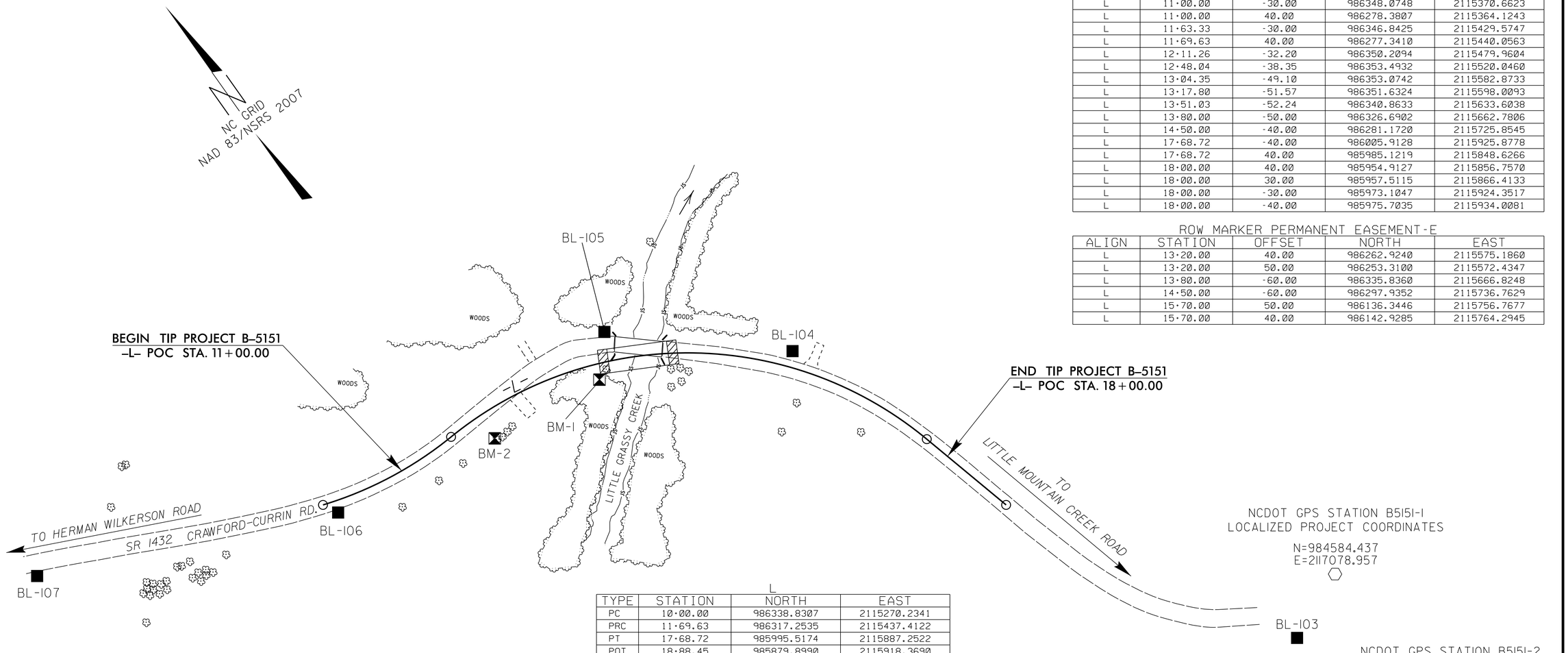
| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B-5151 | 1C-1 |
| Location and Surveys | |

FINAL

# SURVEY CONTROL SHEET B-5151

**LOCATION: BRIDGE NO. 215 OVER LITTLE GRASSY CREEK ON SR 1432 (CRAWFORD CURRIN RD.)**




ROW MARKER CONCRETE OR GRANITE-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| L | 11+00.00 | 30.00 | 986288.3370 | 2115365.0583 |
| L | 11+00.00 | -30.00 | 986348.0748 | 2115370.6623 |
| L | 11+00.00 | 40.00 | 986278.3807 | 2115364.1243 |
| L | 11+63.33 | -30.00 | 986346.8425 | 2115429.5747 |
| L | 11+69.63 | 40.00 | 986277.3410 | 2115440.0563 |
| L | 12+11.26 | -32.20 | 986350.2094 | 2115479.9604 |
| L | 12+48.04 | -38.35 | 986353.4932 | 2115520.0460 |
| L | 13+04.35 | -49.10 | 986353.0742 | 2115582.8733 |
| L | 13+17.80 | -51.57 | 986351.6324 | 2115598.0093 |
| L | 13+51.03 | -52.24 | 986340.8633 | 2115633.6038 |
| L | 13+80.00 | -50.00 | 986326.6902 | 2115662.7806 |
| L | 14+50.00 | -40.00 | 986281.1720 | 2115725.8545 |
| L | 17+68.72 | -40.00 | 986005.9128 | 2115925.8778 |
| L | 17+68.72 | 40.00 | 985985.1219 | 2115848.6266 |
| L | 18+00.00 | 40.00 | 985954.9127 | 2115856.7570 |
| L | 18+00.00 | 30.00 | 985957.5115 | 2115866.4133 |
| L | 18+00.00 | -30.00 | 985973.1047 | 2115924.3517 |
| L | 18+00.00 | -40.00 | 985975.7035 | 2115934.0081 |

ROW MARKER PERMANENT EASEMENT-E

| ALIGN | STATION | OFFSET | NORTH | EAST |
|---|---|---|---|---|
| L | 13+20.00 | 40.00 | 986262.9240 | 2115575.1860 |
| L | 13+20.00 | 50.00 | 986253.3100 | 2115572.4347 |
| L | 13+80.00 | -60.00 | 986335.8360 | 2115666.8248 |
| L | 14+50.00 | -60.00 | 986297.9352 | 2115736.7629 |
| L | 15+70.00 | 50.00 | 986136.3446 | 2115756.7677 |
| L | 15+70.00 | 40.00 | 986142.9285 | 2115764.2945 |

L

| TYPE | STATION | NORTH | EAST |
|---|---|---|---|
| PC | 10+00.00 | 986338.8307 | 2115270.2341 |
| PRC | 11+69.63 | 986317.2535 | 2115437.4122 |
| PT | 17+68.72 | 985995.5174 | 2115887.2522 |
| POT | 18+88.45 | 985879.8990 | 2115918.3690 |

CONTROL DATA

BASELINE

| POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|---|---|---|---|---|---|---|
| 103 | BL-103 | 985558.41 | 2116105.15 | 395.59 | OUTSIDE PROJECT LIMITS | |
| 104 | BL-104 | 986169.23 | 2115818.95 | 355.13 | 15+85.53 | 18.75 LT |
| 105 | BL-105 | 986313.79 | 2115653.31 | 354.50 | 13+76.81 | 34.39 LT |
| 106 | BL-106 | 986321.51 | 2115279.47 | 378.29 | 10+13.82 | 13.72 RT |
| 107 | BL-107 | 986463.53 | 2114951.25 | 403.72 | OUTSIDE PROJECT LIMITS | |

BENCHMARK DATA

**********

BM-1 ELEVATION = 352.53

N 986272 E 2115617

L STATION 13+59.00 18 RIGHT

RRS IN 18" BIRCH

**********

**********

BM-2 ELEVATION = 366.56

N 986287 E 2115478

L STATION 12+11.00 32 RIGHT

RRS IN 16" PINE

**********

## DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5151-1"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 984584.437(ft) EASTING: 2117078.957(ft)
ELEVATION: 419.95(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00007657
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5151-1" TO -L- STATION 11+00.00 IS
N44°37'22.50"W 2435.94'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

***NOTE: DRAWING NOT TO SCALE***

***NOTES:***

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

   *THE FILES TO BE FOUND ARE AS FOLLOWS:*
   *B5151_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

16-DEC-2014 16:58
R:\Roadway\Proj\B5151_LS_IC-1.dgn
$$USERNAME$$