PROJECT REFERENCE NO. SHEET NO. R-3100A SURVEY CONTROL SHEET Location and Surveys END PROJECT R-3100A -L- POT Sta. 10+00.00 -L- POT Sta. 253+80.00 SR 1003 BUFFALO SHOALS RD rWINDFIELD DR -RUGGED HILL RD PINE LEAF RD BEGIN PROJECT R-3100A SR 1816 RANT DRUM RD SR 1891 AIRPORT RD -L- POT Sta. 12+00.00 _SR 2790 SIM CHICK LN GPS R3100AB-10 -SR 1846 MT BEULAH RD rSR 1814 CALDWELL RD N=683062.6982 E=1372270.4334 - ✓ WILDFLOWER LN ELEV.=1062.90' Z-RL CALDWELL DR BEDA RD GPS R3100AB-11 N=676925.9175 E=1377297.0883 GPS R3100AB-7 N=686365.8891 E=1366771.8845 ELEV.=999.75' TO NEWTON SR 2874 TIMBERBROOKE LN ELEV.=952.09' SR 1003 BUFFALO SHOALS RD — SR 2755 COOL BRANCH DR SR 1895 TOWER RD-GPS R3100AB-8 — SR 1876 MT RUHAM RD N=685165.4724 SR 1857 ANDERSON MOUNTAIN RD-E=1366688.0032 ELEV.=965.30' END CONSTRUCTION
-LI- PCC Sta. 20+62.23 STATESVILLE IICKORY **CATAWBA** CONOVER COUNTY PROJECT 150 R-3100A *;* MOORESVILL NOTES: LINCOLN 1. THE SITE CALIBRATION SHOWN IS BASED UPON A NETWORK TIED TO THE HARN COUNTY (HIGH ACCURACY REFERENCE NETWORK) NAD 83/NSRS2007 ADJUSTMENT. THIS CALIBRATION WILL ALLOW THE END USER TO WORK WITHIN THE SAME COORDINATE SYSTEM WHEN USING RTK (REAL TIME KINEMATIC) GPS AND A LOCAL BASE STATION. IF ANOTHER SYSTEM SUCH AS VRS (VIRTUAL REFERENCE STATION) IS USED, ADDITIONAL FIELD TIES DATUM DESCRIPTION MAY BE NEEDED TO REDUCE POSSIBLE ERRORS, OR BIASES. THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT 2. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY PROJECT CONTROL DATA AT: NCDOT FOR MONUMENT "R3100-7" 182 WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/ NORTHING: 686365.8891(ft) EASTING: 1366771.8845(ft) THE FILES TO BE FOUND ARE AS FOLLOWS: GASTON ELEVATION: 999.75(ft) R3100A-R3100_LS_GPSCALIB.HTML THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT R3100A-R3100_LS_WGS84.TXT COUNT) (GROUND TO GRID) IS: 0.999851042 $R3100A_LS_LOCAL.TXT$

||:22:43 AM |R:\Roadway\Proj\r3100a_ls_1C-1.d |:2:66166

 $R3100A_LS_CONTROL.TXT$

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.

THE WGS84 AND LOCAL FILES ARE COMMA DELIMITED AND CAN BE USED TO REPRODUCE

THE SITE CALIBRATION FOR THE END USER'S GPS EQUIPMENT. IF FURTHER INFORMATION

SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.

IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

NETWORK ESTABLISHED FROM EXISTING HARN MONUMENTATION

NOTE: DRAWING NOT TO SCALE

THE N.C. LAMBERT GRID BEARING AND

LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R3100-7" TO -L- STATION 10+00 IS

N 60°09′29.46″W 2584.44′

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

GASTONIA

V/C/M/TY MAP