PROJECT REFERENCE NO.	SHEET NO.
B-5113	1C-1
Location and Surveys	

FINAL

SURVEY CONTROL SHEET B-5113

WAKE COUNTY

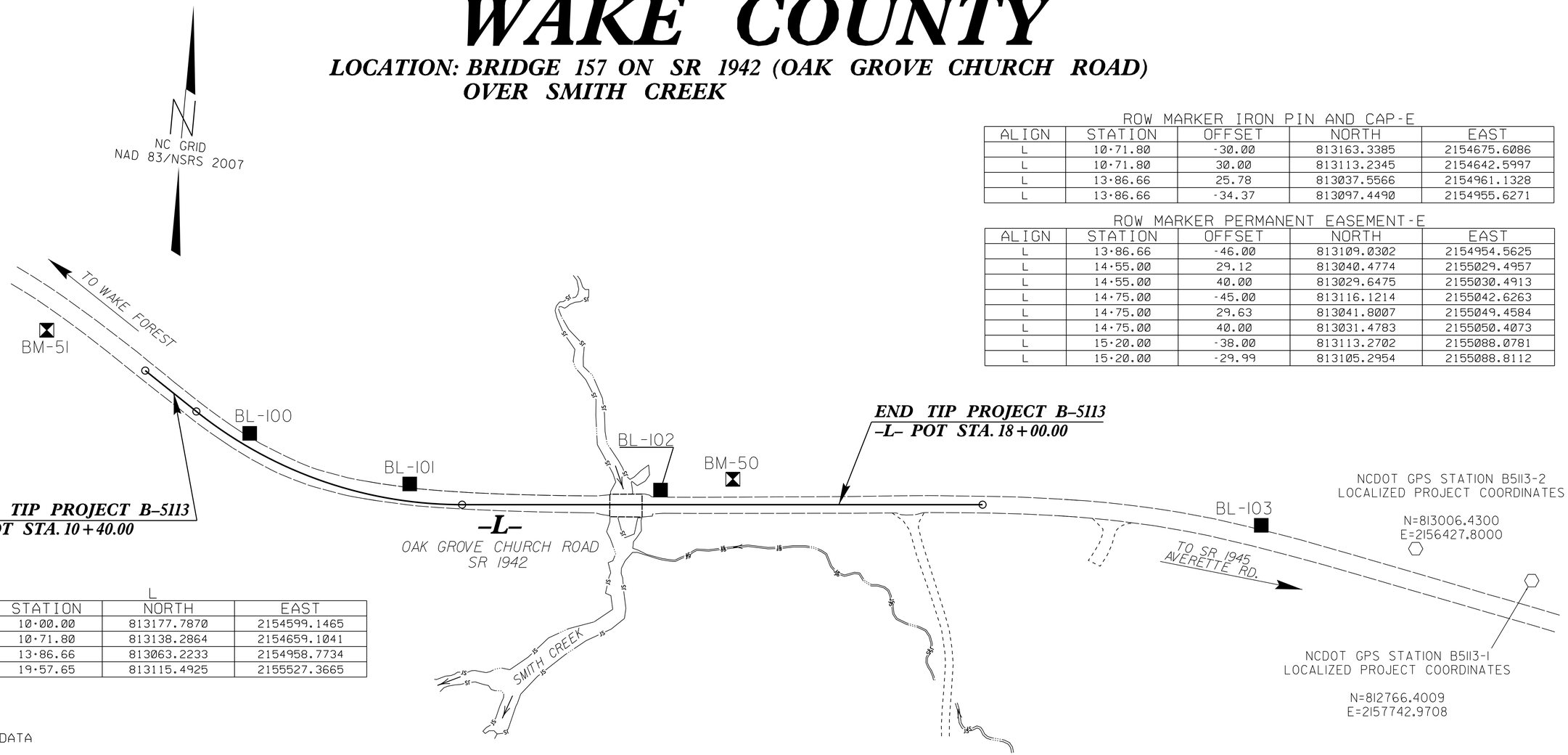
LOCATION: BRIDGE 157 ON SR 1942 (OAK GROVE CHURCH ROAD) OVER SMITH CREEK

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	10+71.80	-30.00	813163.3385	2154675.6086
L	10+71.80	30.00	813113.2345	2154642.5997
L	13+86.66	25.78	813037.5566	2154961.1328
L	13+86.66	-34.37	813097.4490	2154955.6271

ROW MARKER PERMANENT EASEMENT-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	13+86.66	-46.00	813109.0302	2154954.5625
L	14+55.00	29.12	813040.4774	2155029.4957
L	14+55.00	40.00	813029.6475	2155030.4913
L	14+75.00	-45.00	813116.1214	2155042.6263
L	14+75.00	29.63	813041.8007	2155049.4584
L	14+75.00	40.00	813031.4783	2155050.4073
L	15+20.00	-38.00	813113.2702	2155088.0781
L	15+20.00	-29.99	813105.2954	2155088.8112



L

TYPE	STATION	NORTH	EAST
POT	10+00.00	813177.7870	2154599.1465
PC	10+71.80	813138.2864	2154659.1041
PT	13+86.66	813063.2233	2154958.7734
POT	19+57.65	813115.4925	2155527.3665

CONTROL DATA

BASELINE

POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
100	BL-100	813119.8081	2154719.5869	315.59	11+34.50	13.76 LT
101	BL-101	813080.6505	2154899.4704	308.18	13+26.58	19.08 LT
102	BL-102	813099.1683	2155174.0996	302.12	16+04.37	16.08 LT
103	BL-103	813121.0064	2155833.9271	339.31	OUTSIDE PROJECT LIMITS	

BENCHMARK DATA

```
**********************************
50        ELEVATION = 313.05
N 813118       E 2155252
L STATION 16+84.00 28 LEFT
RRS SET IN 18 INCH TULIP
**********************************
**********************************
51        ELEVATION = 312.28
N 813212       E 2154488
FROM BL-100
N 68°20'29" W  DIST    249.71
RRS SET IN 18 INCH TULIP
**********************************
```

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B5113-2"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 813006.4300(ft) EASTING: 2156427.8000(ft)
ELEVATION: 365.40(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99994103
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B5113-2" TO -L- STATION 10+40.00 IS
N 85°14'39.8" W 1801.45'
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/PAGES/DEFAULT.ASPX

   THE FILES TO BE FOUND ARE AS FOLLOWS:
   B5113_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
04-DEC-2014 14:39
R:\Roadway\Proj\B5113_LS_1C-1.dgn
$$$$USERNAME$$$$