

# SURVEY CONTROL SHEET B-4945

## VANCE COUNTY

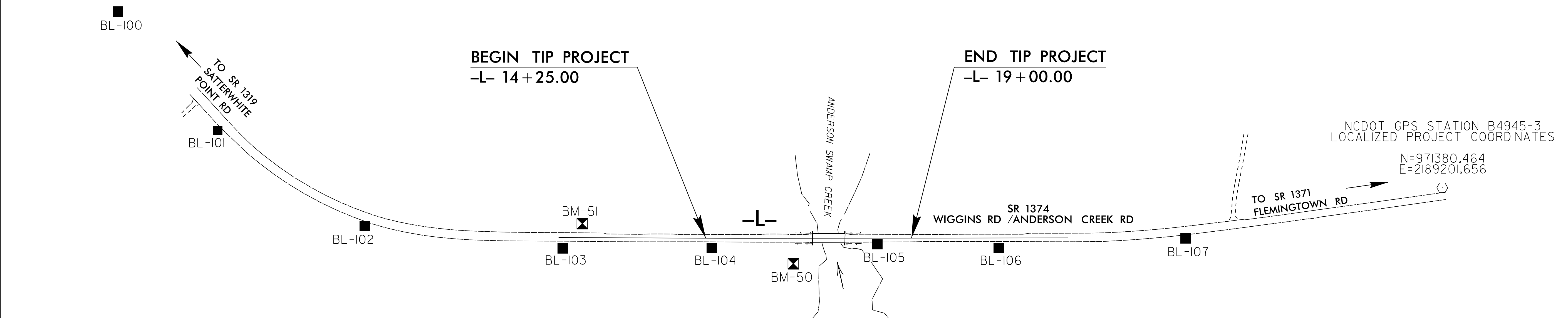
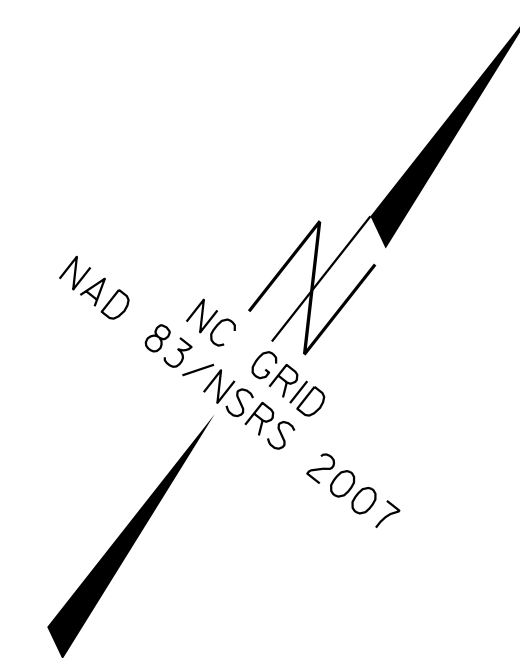
**LOCATION: BRIDGE NO. 36 OVER  
ANDERSON SWAMP CREEK/JOHN H. KERR RESERVOIR  
ON SR 1374 (WIGGINS RD/ANDERSON CREEK RD)**

NCDOT GPS STATION B4945-1  
LOCALIZED PROJECT COORDINATES

N=970556.458  
E=2185588.245

NCDOT GPS STATION B4945-2  
LOCALIZED PROJECT COORDINATES

N=969432.334  
E=2185836.450



NCDOT GPS STATION B4945-3  
LOCALIZED PROJECT COORDINATES

N=971380.464  
E=2189201.656

**CONTROL DATA**

BASELINE						
POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
100	BL-100	969645.846	2186269.488	402.58		OUTSIDE PROJECT LIMITS
101	BL-101	969563.881	2186657.303	379.60		OUTSIDE PROJECT LIMITS
102	BL-102	969603.844	2187101.965	357.72		OUTSIDE PROJECT LIMITS
103	BL-103	969871.175	2187534.548	333.59	10+10.62	27.93 RT
104	BL-104	970107.182	2187832.244	315.32	13+90.38	24.86 RT
105	BL-105	970376.175	2188158.526	306.63	18+13.08	15.43 RT
106	BL-106	970559.865	2188408.087	325.56	21+22.78	25.74 RT
107	BL-107	970873.987	2188766.779	336.31		OUTSIDE PROJECT LIMITS
3	B4945-3	971380.464	2189201.656	349.19		OUTSIDE PROJECT LIMITS

**BENCHMARK DATA**

\*\*\*\*\*  
 50 ELEVATION = 308.11'  
 N 970204 E 2188021  
 L STATION 15+99.00 65' RIGHT  
 RR SPIKE IN 20" OAK  
 \*\*\*\*\*  
 51 ELEVATION = 332.63'  
 N 969952 E 2187535  
 L STATION 10+60.00 36' LEFT  
 RR SPIKE IN 12" OAK  
 \*\*\*\*\*

ALIGN	STATION	OFFSET	NORTH	EAST
L	17+50.00	-54.00	970391.6285	2188066.0024
L	17+50.00	-30.01	970372.7891	2188080.8607
L	17+70.00	-54.00	970404.0137	2188081.7061
L	17+70.00	-30.01	970385.1741	2188096.5646

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "B4945-2" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 969432.334(ft) EASTING: 2185836.450(ft) ELEVATION: 405.838(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 1.00006549

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "B4945-2" TO -L- STATION 13+75.00 IS N 70°48'49" E 2084.11'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88

L			
TYPE	STATION	NORTH	EAST
POT	10+00.00	969886.7290	2187509.0274
PC	10+51.15	969918.0921	2187549.4369
PT	15+83.21	970245.9432	2187968.4827
POT	22+98.81	970689.0835	2188530.3591

**NOTES:**

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.

**GEOID G09NC**  
**NOTE: DRAWING NOT TO SCALE**

04/08/2016  
 23-AUG-2016 10:01 B4945-1s-1C-1.dgn  
 1:58:50  
 1:58:50