

SURVEY CONTROL SHEET R-2552C

PROJECT REFERENCE NO. R-2552C	SHEET NO. 1 KC
Location and Surveys	

BASELINE DATA

BY18						
POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
45	R2552-45	205129.3450	662125.8490	82.626	13+60.004	5.655 LT
1012	BY18-1012	205314.8965	662197.1551	85.136	15+58.195	4.883 LT
1013	BY18-1013	205440.1563	662297.4179	85.864	17+14.993	14.344 LT
1014	BY18-1014	205457.2949	662512.8088	86.012	18+89.063	77.860 LT
1015	BY18-1015	205371.5455	662666.0357	82.675	OUTSIDE PROJECT LIMITS	
1016	BY18-1016	205095.9342	662815.9044	79.424	OUTSIDE PROJECT LIMITS	
1017	BY18-1017	204819.9155	662969.2031	79.573	11+19.905	861.127 RT
1018	BY18-1018	204544.1151	663116.8411	80.578	18+42.562	1116.378 RT
47	R2552-47	204178.3030	663277.5310	75.914	18+42.562	1506.538 LT

BY20						
POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
Y1018	BY18-1018	204544.1151	663116.8411	80.578	OUTSIDE PROJECT LIMITS	
1019	BY20-1019	204509.6781	663405.2815	76.193	12+61.324	6.645 LT
1020	BY20-1020	204467.9152	663742.2444	80.774	16+00.865	6.186 LT
Y1010	BY17-1010	204487.8656	663917.2323	80.000	16+87.487	132.760 RT

BY21						
POINT	DESC.	NORTH	EAST	ELEVATION	Y9 STATION	OFFSET
Y1001	BY17-1001	206194.4257	662498.2356	90.564	10+19.529	19.566 LT
1023	BY22-1023	206218.9678	662658.2970	90.534	11+80.788	4.820 LT

BY22						
POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
Y1023	BY21-1023	206218.9678	662658.2970	90.534	11+18.658	69.427 LT
Y1024	BY22-1024	206042.8252	662586.4240	90.351	12+97.335	1.069 RT

BENCHMARK DATA

 BM5 ELEVATION = 69.536
 N 206080 E 659156
 BL STATION 115+58 145 RIGHT

 BM6 ELEVATION = 68.758
 N 206160 E 659555
 BL STATION 118+83 95 LEFT
 RR SPIKE SET VERTICALLY
 IN BASE OF 16" HOLLY TREE

 BM7 ELEVATION = 85.921
 N 205682 E 660855
 BL STATION 132+78 120 RIGHT
 RR SPIKE SET VERTICALLY
 IN BASE OF 10" HOLLY TREE

 BM8 ELEVATION = 87.399
 N 205659 E 661498
 BL STATION 139+22 128 RIGHT
 RR SPIKE SET VERTICALLY
 IN BASE OF 14" PINE

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "LAKE DAM" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 222085.5690(m) EASTING: 636096.3610(m) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999893375 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "LAKE DAM" TO -L2- STATION 108+53.275 IS S 55°32'00.08" E @ 28,065.731m ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

NOTES:

THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT:
 HTTP://WWW.DOH.DOT.STATE.NC.US/PRECONSTRUCT/HIGHWAY/LOCATION/PROJECT
 FILE : R2552C_LS_CONTROL_050405.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.
 CONTROL NETWORK ESTABLISHED USING STATIC GPS FROM EXISTING NCGS MONUMENTATION.

NOTE: DRAWING NOT TO SCALE

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