

SURVEY CONTROL SHEET R-2552C

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

BASELINE DATA

BL POINT	DESC.	NORTH	EAST	ELEVATION	L2 STATION	OFFSET
826	BL-826	206478.5133	658666.9646	67.402	102+21.425	4.366 RT
827	BL-827	206441.8071	658747.0190	79.077	103+09.463	1.800 RT
828	BL-828	206404.2995	658824.3174	82.575	103+95.379	1.169 RT
829	BL-829	206261.3851	659114.5193	71.564	107+18.862	0.682 RT
830	BL-830	206216.9483	659204.3135	69.661	108+19.050	0.726 RT
831	BL-831	206110.5224	659443.8477	58.275	110+80.943	10.018 LT
832	BL-832	206051.9850	659555.4138	71.386	112+06.979	6.681 LT
833	BL-833	205968.2823	659735.3376	76.730	114+05.701	0.925 LT
834	BL-834	205927.8183	659860.0921	87.301	115+36.969	4.084 LT
835	BL-835	205876.3311	659993.9051	88.893	116+79.703	8.332 RT
836	BL-836	205840.4746	660195.1907	85.480	118+83.684	1.759 RT
B1043	BY16 STA 8+36.176	205790.9323	660523.1083	89.330	122+13.704	19.284 RT
837	BL-837	205802.5232	660851.7740	88.327	125+41.881	1.052 RT
838	BL-838	205793.0592	661266.0724	90.220	129+56.285	2.442 RT
839	BL-839	205785.5799	661563.9818	83.684	132+54.284	4.116 RT
840	BL-840	205742.1353	661878.2185	82.695	135+74.456	24.126 RT
841	BL-841	205635.1418	662196.8831	89.123	139+18.108	18.759 RT
842	BL-842	205492.8028	662413.2746	87.340	141+80.059	18.241 RT
B1013	BY18 STA 8+59.226	205440.1563	662297.4179	85.864	141+17.368	129.054 RT

BY5 POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
1024	BY22-1024	206042.8252	662586.4240	90.351	12+97.335	1.069 RT
2002	BY5-2002	205899.4142	662630.7047	88.895	14+47.846	1.513 RT
2003	BY5-2003	205778.8813	662727.1986	87.506	16+02.513	1.245 RT
2004	BY5-2004	205666.2385	662830.1151	86.038	17+55.516	6.672 RT
2005	BY5-2005	205532.7269	662915.5678	82.840	19+16.380	7.116 RT
2006	BY5-2006	205399.0799	662969.1872	81.316	20+61.110	1.206 LT
2007	BY5-2007	205324.5463	662983.7500	79.766	21+36.819	3.369 RT
2008	BY5-2008	205269.2755	663012.0563	79.184	21+98.521	0.897 RT
2009	BY5-2009	205218.0040	663063.5466	78.975	22+69.866	6.636 RT
2010	BY5-2010	205206.2738	663142.3013	79.566	23+48.218	0.757 RT
2011	BY5-2011	205207.3108	663197.8813	80.166	24+03.784	0.122 LT

BY6 POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
3000	BY6-3000	206343.7262	662469.2270	90.346	10+17.717	0.765 RT
3001	BY6-3001	206342.2910	662568.7007	87.663	11+17.178	1.370 LT
3002	BY6-3002	206340.0422	662664.0189	86.512	12+12.515	2.544 LT
3003	BY6-3003	206335.5118	662729.7169	86.296	12+78.334	0.374 LT
3004	BY6-3004	206334.7539	662813.7979	85.285	13+62.456	1.165 LT
3005	BY6-3005	206339.1963	662923.7282	85.994	14+72.580	1.586 LT
3006	BY6-3006	206347.0129	663046.8715	86.390	15+95.973	0.461 RT
3007	BY6-3007	206351.2640	663196.8382	85.980	OUTSIDE PROJECT LIMITS	

BY8 POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
46	GPS R2552-46	204857.9540	662102.9680	80.896	OUTSIDE PROJECT LIMITS	
2012	BY8-2012	204900.5966	662317.5731	81.387	12+04.907	6.802 LT
2013	BY8-2013	204825.8345	662463.5713	79.535	13+68.662	0.622 RT
2014	BY8-2014	204772.0498	662531.7965	78.006	14+55.575	0.539 RT
2015	BY8-2015	204690.4921	662634.6463	76.709	15+86.833	0.445 LT
2016	BY8-2016	204628.8252	662709.2376	76.167	16+83.599	0.867 RT
2017	BY8-2017	204571.8104	662791.6527	77.077	17+83.469	3.650 RT
2018	BY8-2018	204556.0358	662846.4419	78.674	18+40.123	2.388 LT
2019	BY8-2019	204534.1051	662963.7490	80.280	19+60.222	0.322 LT
A1018	BY18-1018	204544.1151	663116.8411	80.578	21+12.772	16.729 LT

BY15 POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
19753	BY15-19753	206072.3857	660171.7945	88.239	OUTSIDE PROJECT LIMITS	
Y835	BL-835	205876.3311	659993.9051	88.893	11+67.486	51.372 RT
19754	BY15-19754	205602.8136	660018.8814	86.148	OUTSIDE PROJECT LIMITS	

BY15A POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
19755	BY15A-19755	206110.1701	661274.0685	89.931	OUTSIDE PROJECT LIMITS	
Y838	BL-838	205793.0592	661266.0724	90.220	11+36.315	4.621 RT
19756	BY15A-19756	205490.1809	661257.8298	92.695	OUTSIDE PROJECT LIMITS	

BY16 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
40	R2552-40	206121.8000	660463.6020	90.273	OUTSIDE PROJECT LIMITS	
1043	BL 8+36.176	205790.9323	660523.1083	89.330	12+32.961	4.549 RT

BY17 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
42	R2552-42	206477.4510	662451.9560	90.250	9+30.342	24.605 LT
1001	BY17-1001	206194.4257	662498.2356	90.564	12+17.058	18.333 LT
1002	BY17-1002	205937.1881	662547.7182	90.713	14+79.007	19.928 LT
1003	BY17-1003	205688.0716	662598.0930	88.272	17+36.284	18.093 LT
1004	BY17-1004	205463.8400	662766.6035	86.087	20+27.415	16.198 LT
1005	BY17-1005	205214.0614	662929.2675	86.707	23+21.646	16.606 LT
1006	BY17-1006	205104.0487	663006.7199	78.703	24+46.663	64.880 LT
1007	BY17-1007	204917.0008	663262.7376	78.739	26+90.516	268.264 LT
1008	BY17-1008	204757.7790	663479.9845	78.013	29+89.885	402.802 LT
1009	BY17-1009	204586.4317	663716.5506	79.851	31+96.154	553.121 LT
1010	BY17-1010	204487.8656	663917.2323	80.000	OUTSIDE PROJECT LIMITS	
1011	BY17-1011	204441.5887	664141.6922	78.194	OUTSIDE PROJECT LIMITS	
49	R2552-49	204376.6600	664493.2540	78.112	OUTSIDE PROJECT LIMITS	

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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