

SURVEY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-3100B	1C-3
Location and Surveys	

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
BL1	R3100AB-1	698288.3882	1347899.5490	955.15	OUTSIDE PROJECT LIMITS	
BL2	R3100AB-2	697483.1588	1348589.3643	922.01	OUTSIDE PROJECT LIMITS	
BL15	BL-15	696670.7548	1349188.4805	889.37	14+78.87	37.43 RT
BL16	BL-16	696048.7259	1349992.0328	889.66	24+91.38	23.32 RT
BL17	BL-17	695790.9315	1350731.2046	891.39	32+71.38	31.79 RT
BL18	BL-18	695575.9111	1351474.6560	895.05	40+45.20	19.34 RT
BL19	BL-19	695324.7472	1352287.7525	907.80	48+96.20	21.03 RT
BL20	BL-20	695154.2665	1352848.8419	924.81	54+82.62	19.49 RT
BL21	BL-21	694931.1381	1353709.7919	949.81	63+71.15	19.66 LT
BL22	BL-22	694661.2709	1354585.4044	971.94	72+87.40	18.42 LT
BL23	BL-23	694421.0524	1355364.0271	986.90	81+02.15	17.15 LT
BL3	R3100AB-3	694183.3110	1356047.9145	1000.67	88+23.20	36.44 LT
BL24	BL-24	693866.0543	1356637.2665	1008.03	94+89.49	23.12 LT
BL25	BL-25	693515.4199	1357203.3391	1000.53	101+54.88	18.11 LT
BL26	BL-26	693094.7185	1357906.9305	999.46	109+74.61	26.46 LT
BL27	BL-27	692604.1610	1358700.2750	1006.84	119+05.72	33.54 LT
BL28	BL-28	692147.9174	1359319.1615	1006.85	126+70.57	48.97 LT
BL29	BL-29	691574.0615	1359898.4996	999.69	134+81.84	32.42 LT
BL30	BL-30	691018.2739	1360365.8152	1006.94	142+06.03	23.73 LT
BL5	R3100AB-5	690477.8011	1360802.1290	1013.69	149+00.63	20.44 LT
BL6	R3100AB-6	689613.6668	1361466.1478	1031.12	159+86.53	45.07 RT
BL31	BL-31	689147.1405	1362024.1241	1026.74	167+10.13	21.36 RT
BL32	BL-32	688587.4998	1362893.1274	999.27	177+42.98	1.17 LT
BL33	BL-33	688252.1021	1363470.0644	982.18	184+10.31	4.17 RT
BL34	BL-34	687805.7517	1364270.2097	966.40	193+26.48	4.77 LT
BL35	BL-35	687408.2276	1364968.4287	994.60	OUTSIDE PROJECT LIMITS	
BL36	BL-36	687059.5370	1365552.1201	1015.50	OUTSIDE PROJECT LIMITS	
BL37	BL-37	686793.0382	1366046.9128	1013.05	OUTSIDE PROJECT LIMITS	
BL7	R3100AB-7	686365.8891	1366771.8845	999.75	OUTSIDE PROJECT LIMITS	

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
BL65	BY1-65	697432.6672	1349949.5955	927.24	OUTSIDE PROJECT LIMITS	
E015	BL-15	696670.7548	1349188.4805	889.37	OUTSIDE PROJECT LIMITS	

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
BL67	BY2-67	696674.4646	1351601.1969	938.43	OUTSIDE PROJECT LIMITS	
BL68	BY2-68	696223.9040	1351501.1571	930.49	OUTSIDE PROJECT LIMITS	
BL69	BY2-69	695812.5038	1351315.3994	906.59	12+40.69	19.37 RT
E018	BL-18	695575.9111	1351474.6560	895.05	OUTSIDE PROJECT LIMITS	

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
BL72	BY3-72	695700.1955	1352496.7813	904.24	OUTSIDE PROJECT LIMITS	
E0B18	BL-18	695575.9111	1351474.6560	895.05	OUTSIDE PROJECT LIMITS	

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
E020	BL-20	695154.2665	1352848.8419	924.81	10+23.06	37.67 LT
BL74	BY4-74	694622.1007	1352686.9538	934.77	OUTSIDE PROJECT LIMITS	
BL75	BY4-75	694038.2914	1352588.7038	980.61	OUTSIDE PROJECT LIMITS	

BY5 POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
E04	R3100AB-4	695342.2358	1355969.8384	1005.55	OUTSIDE PROJECT LIMITS	
BL76	BY5-76	694702.7286	1356004.6861	984.64	OUTSIDE PROJECT LIMITS	
E0A3	R3100AB-3	694183.3110	1356047.9145	1000.67	14+66.37	91.53 LT

BY6 POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
E076	BY5-76	694702.7286	1356004.6861	984.64	85+90.79	497.89 LT
BL79	BY6-79	694941.8541	1355401.0692	965.99	79+84.93	525.85 LT

BY7 POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
E0B3	R3100AB-3	694183.3110	1356047.9145	1000.67	OUTSIDE PROJECT LIMITS	
BL81	BY7-81	693660.3311	1355592.6714	987.08	OUTSIDE PROJECT LIMITS	
BL82	BY7-82	693593.3948	1355060.2412	992.19	OUTSIDE PROJECT LIMITS	

BY8 POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
E025	BL-25	693515.4199	1357203.3391	1000.53	OUTSIDE PROJECT LIMITS	
BL84	BY8-84	692755.7794	1357019.1252	987.18	OUTSIDE PROJECT LIMITS	

BY9 POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
E027	BL-27	692604.1610	1358700.2750	1006.84	OUTSIDE PROJECT LIMITS	
BL86	BY9-86	692353.9455	1358555.0769	1010.93	12+54.25	12.21 RT
BL87	BY9-87	691950.5288	1358382.4277	990.78	OUTSIDE PROJECT LIMITS	

BY10 POINT	DESC.	NORTH	EAST	ELEVATION	Y9 STATION	OFFSET
BL88	BY10-88	691462.1794	1360786.3121	995.33	OUTSIDE PROJECT LIMITS	
BL89	BY10-89	691142.9335	1360541.6125	1010.62	11+73.82	13.32 LT
E030	BL-30	691018.2739	1360365.8152	1006.94	13+86.54	18.44 RT

BY11 POINT	DESC.	NORTH	EAST	ELEVATION	Y10 STATION	OFFSET
BL91	BY11-91	690960.3879	1361138.9517	981.86	11+76.82	21.95 RT
E05	R3100AB-5	690477.8011	1360802.1290	1013.69	17+63.49	24.52 LT

BY12 POINT	DESC.	NORTH	EAST	ELEVATION	Y11 STATION	OFFSET
E06	R3100AB-6	689613.6668	1361466.1478	1031.12	10+41.40	29.82 LT
BL94	BY12-94	689389.2574	1361268.0067	1038.48	13+49.38	15.60 RT
BL95	BY12-95	689138.2323	1361136.3661	1041.18	OUTSIDE PROJECT LIMITS	
BL96	BY12-96	688825.8685	1360810.1440	1033.60	OUTSIDE PROJECT LIMITS	

BY13 POINT	DESC.	NORTH	EAST	ELEVATION	Y11 STATION	OFFSET
BL98	BY13-98	688450.6946	1361154.1983	1040.59	OUTSIDE PROJECT LIMITS	
E095	BY12-95	689138.2323	1361136.3661	1041.18	OUTSIDE PROJECT LIMITS	

BY14 POINT	DESC.	NORTH	EAST	ELEVATION	Y12 STATION	OFFSET
BL99	BY14-99	689594.8458	1362596.6784	1024.43	OUTSIDE PROJECT LIMITS	
BL100	BY14-100	689612.9367	1362032.3888	1017.87	12+74.22	5.77 RT
E0A6	R3100AB-6	689613.6668	1361466.1478	1031.12	OUTSIDE PROJECT LIMITS	

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 BM1 ELEVATION = 878.35
 N 697138 E 1349218
 L STATION 11+43 289 LEFT
 8' SPIKE IN ROOT OF 36' POPLAR

 BM2 ELEVATION = 892.63
 N 695473 E 1351204
 L STATION 38+17 197 RIGHT
 8' SPIKE IN ROOT OF 30' SYCAMORE

 BM3 ELEVATION = 968.00
 N 695193 E 1353704
 L STATION 62+89 268 LEFT
 8' SPIKE IN ROOT OF 12' FIELD PINE

 BM4 ELEVATION = 975.71
 N 694049 E 1355574
 L STATION 84+28 267 RIGHT
 8' SPIKE IN ROOT OF 30' OAK

 BM5 ELEVATION = 1006.46
 N 693592 E 1357450
 L STATION 103+25 212 LEFT
 8' SPIKE IN ROOT OF 8' PIN OAK

 BM6 ELEVATION = 989.31
 N 692633 E 1359711
 L STATION 126+55 672 LEFT
 8' SPIKE IN ROOT OF 42' RED OAK

 BM7 ELEVATION = 1002.98
 N 690727 E 1360846
 L STATION 147+35 212 LEFT
 8' SPIKE IN ROOT OF 8' ELM

 BM8 ELEVATION = 1012.67
 N 689168 E 1362351
 L STATION 169+60 194 LEFT
 8' SPIKE IN ROOT OF 14' MAPLE

 BM9 ELEVATION = 975.79
 N 688171 E 1364165
 L STATION 190+54 270 LEFT
 8' SPIKE IN ROOT OF 10' HICKORY

DATUM DESCRIPTION
 THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R3100-7" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 686365.8891(ft) EASTING: 1366771.8845(ft) ELEVATION: 999.75(ft)
 THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999851042
 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R3100-7" TO -L- STATION 10+00.00 IS N 59°05'59.5" W 20821.85'
 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

SEE SHEET 1C-1 FOR NOTES