

SURVEY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-3100A	1C-2
Location and Surveys	

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET	BENCHMARKS (NAVD 88)	BY16 POINT	DESC.	NORTH	EAST	ELEVATION	Y16 STATION	OFFSET
BL1	R3100AB-1	698288.3882	1347899.5490	955.15	OUTSIDE PROJECT LIMITS		BM10 ELEVATION = 998.97	BL104	BY16-104	687783.0556	1366643.7791	1023.12	OUTSIDE PROJECT LIMITS	
BL2	R3100AB-2	697483.1588	1348589.3643	922.01	OUTSIDE PROJECT LIMITS		N 686870 E 1366385	E037	BL-37	686793.0382	1366046.9128	1013.05	13+69.38	8.19 RT
BL15	BL-15	696670.7548	1349188.4805	889.37	OUTSIDE PROJECT LIMITS		L STATION 29+99 240 LEFT							
BL16	BL-16	696048.7259	1349992.0328	889.66	OUTSIDE PROJECT LIMITS		8* SPIKE IN A ROOT OF 8* FIELD PINE							
BL17	BL-17	695790.9315	1350731.2046	891.39	OUTSIDE PROJECT LIMITS								
BL18	BL-18	695575.9111	1351474.6560	895.05	OUTSIDE PROJECT LIMITS								
BL19	BL-19	695324.7472	1352287.7525	907.80	OUTSIDE PROJECT LIMITS		BM11 ELEVATION = 968.11							
BL20	BL-20	695154.2665	1352848.8419	924.81	OUTSIDE PROJECT LIMITS		N 685941 E 1367945							
BL21	BL-21	694931.1381	1353709.7919	949.81	OUTSIDE PROJECT LIMITS		L STATION 48+14 207 LEFT							
BL22	BL-22	694661.2709	1354585.4044	971.94	OUTSIDE PROJECT LIMITS		8* SPIKE IN ROOT OF 6* MAPLE TREE							
BL23	BL-23	694421.0524	1355364.0271	986.90	OUTSIDE PROJECT LIMITS								
BL3	R3100AB-3	694183.3110	1356047.9145	1000.67	OUTSIDE PROJECT LIMITS		BM12 ELEVATION = 1043.28							
BL24	BL-24	693866.0543	1356637.2665	1008.03	OUTSIDE PROJECT LIMITS		N 684263 E 1369426							
BL25	BL-25	693515.4199	1357203.3391	1000.53	OUTSIDE PROJECT LIMITS		L STATION 70+38 229 RIGHT							
BL26	BL-26	693094.7185	1357906.9385	999.46	OUTSIDE PROJECT LIMITS		8* SPIKE IN ROOT OF 18* OAK							
BL27	BL-27	692604.1610	1358700.2750	1006.84	OUTSIDE PROJECT LIMITS								
BL28	BL-28	692147.9174	1359319.1615	1006.85	OUTSIDE PROJECT LIMITS		BM13 ELEVATION = 1063.90							
BL29	BL-29	691574.0615	1359898.4996	999.69	OUTSIDE PROJECT LIMITS		N 682133 E 1371028							
BL30	BL-30	691018.2739	1360365.8152	1006.94	OUTSIDE PROJECT LIMITS		L STATION 96+28 412 RIGHT							
BL5	R3100AB-5	690477.8011	1360802.1290	1013.69	OUTSIDE PROJECT LIMITS		8* SPIKE IN ROOT OF 14* WHITE OAK							
BL6	R3100AB-6	689613.6668	1361466.1478	1031.12	OUTSIDE PROJECT LIMITS								
BL31	BL-31	689147.1405	1362024.1241	1026.74	OUTSIDE PROJECT LIMITS		BM14 ELEVATION = 1044.72							
BL32	BL-32	688587.4998	1362893.1274	999.27	OUTSIDE PROJECT LIMITS		N 681621 E 1372949							
BL33	BL-33	688252.1021	1363470.0644	982.18	OUTSIDE PROJECT LIMITS		L STATION 115+09 181 LEFT							
BL34	BL-34	687805.7517	1364270.2097	966.40	OUTSIDE PROJECT LIMITS		8* SPIKE IN ROOT OF 8* POPLAR							
BL35	BL-35	687408.2276	1364968.4287	994.60	OUTSIDE PROJECT LIMITS	15+01.45	5.59 LT							
BL36	BL-36	687059.5370	1365552.1201	1015.50	OUTSIDE PROJECT LIMITS	21+81.23	7.95 RT							
BL37	BL-37	686793.0382	1366046.9128	1013.05	OUTSIDE PROJECT LIMITS	27+43.06	5.84 LT							
BL7	R3100AB-7	686365.8891	1366771.8845	999.75	OUTSIDE PROJECT LIMITS	35+84.43	5.81 RT							
BL38	BL-38	686142.3700	1367293.4165	991.01	OUTSIDE PROJECT LIMITS	41+48.18	58.56 LT							
BL39	BL-39	685817.1050	1367831.5290	981.21	OUTSIDE PROJECT LIMITS	47+76.76	42.78 LT							
BL40	BL-40	685431.0414	1368498.3330	1001.68	OUTSIDE PROJECT LIMITS	55+44.38	49.39 LT							
BL41	BL-41	684954.2959	1369132.1559	1029.63	OUTSIDE PROJECT LIMITS	63+30.92	54.19 LT							
BL42	BL-42	684336.9267	1369720.4272	1045.92	OUTSIDE PROJECT LIMITS	71+77.22	41.79 LT							
BL43	BL-43	683576.8582	1370215.5921	1055.92	OUTSIDE PROJECT LIMITS	80+80.79	11.15 RT							
BL44	BL-44	682847.3549	1370831.5077	1057.72	OUTSIDE PROJECT LIMITS	90+35.94	1.68 RT							
BL9	R3100AB-9	682150.5589	1371616.5557	1068.50	OUTSIDE PROJECT LIMITS	100+81.68	57.34 RT							
BL45	BL-45	681741.2605	1372307.3302	1065.82	OUTSIDE PROJECT LIMITS	108+82.09	13.97 RT							
BL46	BL-46	681358.9141	1373058.1589	1063.07	OUTSIDE PROJECT LIMITS	117+23.99	3.58 RT							
BL47	BL-47	681077.4083	1373751.0054	1042.75	OUTSIDE PROJECT LIMITS	124+69.43	56.40 LT							
BL48	BL-48	680574.9133	1374500.5119	1000.17	OUTSIDE PROJECT LIMITS	133+67.85	7.44 LT							
BL49	BL-49	680016.5106	1374989.6904	971.38	OUTSIDE PROJECT LIMITS	141+11.45	2.92 RT							
BL50	BL-50	679231.5119	1375525.7270	945.69	OUTSIDE PROJECT LIMITS	150+61.02	46.29 RT							
BL51	BL-51	678616.1674	1375988.4602	926.07	OUTSIDE PROJECT LIMITS	158+30.94	46.29 RT							
BL52	BL-52	677936.7885	1376506.7551	909.84	OUTSIDE PROJECT LIMITS	166+85.42	40.36 RT							
BL53	BL-53	677405.4025	1376880.3366	935.03	OUTSIDE PROJECT LIMITS	173+34.66	61.15 RT							
BL11	R3100AB-11	676925.9175	1377279.0883	952.09	OUTSIDE PROJECT LIMITS	179+64.77	40.69 RT							
BL12	R3100AB-12	676235.3369	1378127.3184	960.65	OUTSIDE PROJECT LIMITS	190+38.40	45.61 RT							
BL54	BL-54	675893.7373	1378620.7766	970.85	OUTSIDE PROJECT LIMITS	196+38.55	41.86 RT							
BL55	BL-55	675521.0136	1379141.4863	983.29	OUTSIDE PROJECT LIMITS	202+78.88	47.94 RT							
BL56	BL-56	675028.4460	1379850.9940	997.70	OUTSIDE PROJECT LIMITS	211+42.60	43.70 RT							
BL57	BL-57	674630.9491	1380486.3283	995.63	OUTSIDE PROJECT LIMITS	218+87.93	41.40 RT							
BL58	BL-58	674261.3606	1381233.9052	985.61	OUTSIDE PROJECT LIMITS	227+21.06	5.42 RT							
BL59	BL-59	673995.0071	1381617.9117	989.44	OUTSIDE PROJECT LIMITS	231+89.79	1.22 RT							
BL60	BL-60	673224.6452	1382154.4552	1036.39	OUTSIDE PROJECT LIMITS	241+41.35	43.43 RT							
BL61	BL-61	672684.6608	1382472.1787	1054.11	OUTSIDE PROJECT LIMITS	247+67.18	13.35 RT							
BL62	BL-62	672274.8680	1382824.5887	1046.72	OUTSIDE PROJECT LIMITS	252+93.87	108.00 LT							
BL63	BL-63	671745.8329	1383484.5201	1003.83	OUTSIDE PROJECT LIMITS									
BL64	BL-64	671155.4061	1384087.0122	963.95	OUTSIDE PROJECT LIMITS									
BL13	R3100AB-13	670661.3224	1384475.8690	943.37	OUTSIDE PROJECT LIMITS									
BL14	R3100AB-14	669878.3564	1384958.5833	909.94	OUTSIDE PROJECT LIMITS									
							BM20 ELEVATION = 970.95							
							N 673835 E 1381586							
							L STATION 232+76 141 RIGHT							
							8* SPIKE IN ROOT OF 12* POPLAR							
													
							BM21 ELEVATION = 1072.17							
							N 672374 E 1382994							
							L STATION 252+85 304 LEFT							
							8* SPIKE IN ROOT OF 8* CHESTNUT OAK							
													

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(±) EASTING: 1366771.8845(±)
 ELEVATION: 999.75(±)

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 IS
 N 60°09'29.46"W 2584.44'

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

SEE SHEET 1C-1 FOR NOTES

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