

R2413CA SURVEY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
R-2413CA	1C-2
Location and Surveys	

BASELINE DATA

BL	POINT	DESC.	NORTH	EAST	ELEVATION	LREV STATION	OFFSET
39		BL+39	280022.0224	525838.9437	275.428	73+92.330	4.738 LT
40		BL-40	280204.8228	525758.8889	266.792	75+91.914	4.650 LT
41		BL-41	280388.1768	525678.5948	267.947	77+92.127	0.818 LT
42		BL-42	280571.1339	525598.5410	274.125	79+91.612	8.443 RT
43		BL-43	280754.3170	525518.3239	274.135	81+91.820	15.234 RT
44		BL-44	280937.5599	525438.4297	268.301	83+92.029	16.904 RT
45		BL-45	281121.1718	525358.4255	269.066	85+92.314	17.285 RT
46		BL-46	281337.6523	525257.6830	272.818	88+31.505	0.387 RT
47		BL-47	281515.9480	525151.4154	269.066	90+26.845	60.091 LT
48		BL-48	281755.9282	525177.1490	264.460	92+57.832	5.725 LT
49		BL-49	282004.1733	525175.8315	269.892	95+05.875	0.876 RT
50		BL-50	282280.9426	525167.9819	273.909	97+82.755	1.196 RT
51		BL-51	282775.3950	525143.6689	271.224	102+77.818	1.881 RT
GPS3		U2413-3	283066.4347	525118.6541	269.400	OUTSIDE PROJECT LIMITS	
GPS4		U2413-4	284198.8820	525029.6551	263.480	OUTSIDE PROJECT LIMITS	

BY14	POINT	DESC.	NORTH	EAST	ELEVATION	LREV STATION	OFFSET
81		BY14-81	281223.6179	525090.3682	273.696	87+77.687	193.984 LT
A47			281515.9480	525151.4154	269.066	90+26.845	60.091 LT

BENCHMARK DATA

BM19	ELEVATION + 277.099	BM25	ELEVATION + 272.312
N 279979	E 525878	N 281484	E 525280
BL STATION 69+94.00 18 RIGHT		BL STATION 86+01.00 94 RIGHT	
RR SPIKE IN BASE OF POWER POLE		RR SPIKE IN BASE OF 610 MM OAK	
BM20	ELEVATION + 268.222	BM26	ELEVATION + 266.451
N 280217	E 525769	N 281683	E 525241
BL STATION 72+56.00 14 RIGHT		BL STATION 88+70.00 71 RIGHT	
RR SPIKE IN 460 MM TWIN MAPLES		RR SPIKE IN BASE OF POWER POLE	
BM21	ELEVATION + 269.874	BM28	ELEVATION + 274.025
N 280479	E 525661	N 282044	E 525225
BL STATION 75+38.00 21 RIGHT		BL STATION 92+23.00 50 RIGHT	
RR SPIKE IN BASE OF 760 MM OAK		RR SPIKE IN BASE OF POWER POLE	
BM22	ELEVATION + 274.122	BM29	ELEVATION + 272.806
N 280594	E 525610	N 282232	E 525220
BL STATION 76+64.00 19 RIGHT		BL STATION 94+10.00 51 RIGHT	
RR SPIKE IN BASE OF POWER POLE		RR SPIKE IN BASE OF POWER POLE	
BM23	ELEVATION + 270.565	BM30	ELEVATION + 272.074
N 280888	E 525491	N 282442	E 525220
BL STATION 79+81.00 29 RIGHT		BL STATION 96+19.00 60 RIGHT	
EXISTING NAIL 700 MM ABOVE GROUND IN POWER POLE (OLD TBM)		RR SPIKE IN BASE OF POWER POLE	
BM24	ELEVATION + 271.001	BM31	ELEVATION + 272.434
N 281287	E 525315	N 282709	E 525174
BL STATION 84+17.00 30 RIGHT		BL STATION 98+89.00 27 RIGHT	
RR SPIKE IN BASE OF POWER POLE		RR SPIKE IN BASE OF POWER POLE	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2413-1" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 273885.6884(m) EASTING: 527983.5894(m) ELEVATION: 266.664(m) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999989076 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2413-1" TO -L- STATION 75+60.00 IS N 19°20'03" W 6,667.861 ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NGVD 29

NOTE: DRAWING NOT TO SCALE