

SURVEY CONTROL SHEET R-2514C

Longitude	77°12'55.46485"W	Elevation	27.784sft	Easting	2534234.852sft
Height	-94.092sft	Horz error	0.010sft	Elevation	27.782sft
		Vert error	0.002sft	Utilized	Horz and Vert
		3D error	0.010sft	Quality	Adjusted quality

Point	R2514-15 GPS	Northing	477274.384sft	Point R2514-15
Latitude	35°02'53.82459"N	Easting	2532367.167sft	Northing
Longitude	77°13'16.08227"W	Elevation	37.069sft	Easting
Height	-84.670sft	Horz error	0.012sft	Elevation
		Vert error	0.002sft	Utilized
		3D error	0.012sft	Quality

Point	R2514-16 GPS	Northing	478923.276sft	Point R2514-16
Latitude	35°03'09.71350"N	Easting	2534716.028sft	Northing
Longitude	77°12'47.47979"W	Elevation	34.233sft	Easting
Height	-87.520sft	Horz error	0.013sft	Elevation
		Vert error	0.001sft	Utilized
		3D error	0.013sft	Quality

Point	R2514-17 GPS	Northing	488782.056sft	Point R2514-17
Latitude	35°04'45.44499"N	Easting	2544527.004sft	Northing
Longitude	77°10'47.32099"W	Elevation	35.852sft	Easting
Height	-85.910sft	Horz error	0.039sft	Elevation
		Vert error	0.017sft	Utilized
		3D error	0.043sft	Quality

Point	R2514-18 GPS	Northing	486820.575sft	Point R2514-18
Latitude	35°04'25.95814"N	Easting	2545021.401sft	Northing
Longitude	77°10'41.80660"W	Elevation	35.889sft	Easting
Height	-85.910sft	Horz error	0.033sft	Elevation
		Vert error	0.000sft	Utilized
		3D error	0.033sft	Quality

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
106	BL-106	428946.4757	2528442.6383	38.07	10+00.44	1.01 LT
104	BL-104	429675.9636	2528885.8601	39.56	18+18.57	135.62 RT
105	BL-105	430616.6090	2528664.6367	40.66	27+45.84	60.78 LT
1	BL-1	431650.2222	2528633.9850	39.74	37+78.72	11.26 LT
2	BL-2	432686.6308	2528553.9907	39.36	48+18.21	10.72 LT
3	BL-3	433770.8507	2528469.9620	39.25	59+05.68	10.50 LT
4	BL-4	434873.2175	2528382.2263	41.20	70+11.53	12.57 LT
5	BL-5	435957.7758	2528296.0025	40.77	80+99.51	14.51 LT
6	BL-6	437137.2573	2528223.9206	41.33	92+00.79	7.29 RT
GPS7	GPS R2514-7	438055.8900	2527863.3190	41.76	102+73.16	75.97 LT
7	BL-7	438962.1073	2527571.5981	40.35	112+23.20	14.60 LT
GPS8	GPS R2514-8	439750.1980	2527193.5980	40.06	120+95.03	76.85 LT
8	BL-8	440701.5606	2526823.1616	41.22	131+15.96	72.12 LT
9	BL-9	441715.8308	2526541.9536	40.51	141+50.43	73.20 LT
10	BL-10	442673.4918	2526668.5495	39.68	151+07.00	11.78 LT
11	BL-11	443798.4366	2526760.3491	38.54	162+35.68	15.08 LT
12	BL-12	444775.1619	2526782.5219	37.16	172+10.80	75.27 LT
13	BL-13	445860.1941	2526951.9915	37.75	183+06.25	2.18 RT
14	BL-14	446823.1649	2526954.1032	37.09	192+65.98	76.84 LT
15	BL-15	447806.2700	2527040.9353	36.85	202+52.90	73.14 LT
16	NCOS GUYED	448796.8281	2527188.1529	37.82	212+52.34	9.90 LT
17	BL-17	449880.8597	2527289.9111	39.95	223+41.09	0.17 RT
18	BL-18	450978.8309	2527380.1037	38.70	234+42.76	2.46 LT
19	BL-19	452467.6158	2527508.6733	38.17	249+30.39	94.13 LT
20	BL-20	453327.0435	2527581.4698	35.34	257+86.80	196.49 LT
21	BL-21	454094.4237	2527659.3541	31.72	265+54.09	275.27 LT
22	BL-22	455171.3972	2527839.5990	29.62	276+45.27	316.36 LT
23	BL-23	455686.6481	2527950.6041	28.04	281+72.32	311.76 LT
24	BL-24	456734.0858	2528219.3289	27.78	292+52.45	260.22 LT

BY POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
500	NCOS GUYED	448796.8281	2527188.1529	37.82	OUTSIDE PROJECT LIMITS	
29	BY-29	449886.1022	2527526.9204	38.83	27+81.44	43.74 LT
GPS10	GPS R2514-10	450596.1170	2527929.7180	37.74	35+88.18	76.10 LT
30	NCOS CURTIS	451498.3622	2528687.6200	37.59	OUTSIDE PROJECT LIMITS	

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
GPS9	GPS R2514-9	451335.4480	2526812.7710	38.95	OUTSIDE PROJECT LIMITS	
502	BL-18	450978.8309	2527380.1037	38.70	16+58.04	12.63 LT
501	GPS R2514-10	450596.1170	2527929.7180	37.74	23+26.94	20.77 RT

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
31	BY2-31	454514.8150	2526894.4916	34.48	OUTSIDE PROJECT LIMITS	
503	BL-21	454094.4237	2527659.3541	31.72	13+81.97	17.37 LT
32	BY2-32	453666.7331	2528252.7321	31.85	OUTSIDE PROJECT LIMITS	

BYA POINT	DESC.	NORTH	EAST	ELEVATION	LBUS STATION	OFFSET
499	BL-104	429675.9636	2528885.8601	39.56	11+28.82	155.24 LT
103	BYA-103	428803.0910	2529464.3769	39.04	21+04.62	38.84 LT
102	BYA-102	428403.0226	2529711.2058	40.40	25+74.52	52.23 LT

BYB POINT	DESC.	NORTH	EAST	ELEVATION	DRV1 STATION	OFFSET
101	BYB-101	429071.1205	2530123.5438	38.46	17+45.59	14.06 RT
E01	BYA-102	428403.0226	2529711.2058	40.40	10+33.39	318.06 RT

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BM1 ELEVATION = 40.95
N 431654 E 2528804
L STATION 37+69.00 158 RIGHT
RR SPIKE IN 16' PINE
.....

BM2 ELEVATION = 41.22
N 433796 E 2528635
L STATION 59+18.00 156 RIGHT
RR SPIKE IN 19' HARDWOOD
.....

BM3 ELEVATION = 40.96
N 435960 E 2528525
L STATION 80+84.00 214 RIGHT
RR SPIKE IN 20' OAK
.....

BM4 ELEVATION = 38.91
N 438178 E 2528242
L STATION 102+48.00 321 RIGHT
RR SPIKE IN 20' LEANING PINE
.....

BM5 ELEVATION = 42.52
N 439869 E 2527405
L STATION 121+28.00 163 RIGHT
RR SPIKE IN 16' PINE
.....

BM6 ELEVATION = 43.13
N 441959 E 2526345
L STATION 143+73.00 275 LEFT
RR SPIKE IN 9' PINE
.....

BM7 ELEVATION = 40.86
N 443809 E 2526516
L STATION 162+25.00 260 LEFT
RR SPIKE IN 12' GUM
.....

BM8 ELEVATION = 33.35
N 445739 E 2527202
L STATION 182+06.00 262 RIGHT
RR SPIKE IN 8' MAPLE
.....

BM9 ELEVATION = 40.50
N 448659 E 2526680
L STATION 210+72.00 505 LEFT
RR SPIKE IN 7' PINE
.....

BM10 ELEVATION = 39.97
N 451220 E 2526911
L STATION 236+44.00 490 LEFT
RR SPIKE IN POWER POLE(RUA 04) OFF OF
LEE CHAPEL ROAD(SR 1114)
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BM11 ELEVATION = 36.69
N 453048 E 2527040
L STATION 254+04.00 671 LEFT
RR SPIKE IN 15' PINE
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BM12 ELEVATION = 34.34
N 454301 E 2527329
L STATION 266+89.00 640 LEFT
RR SPIKE IN POWER POLE(B-316-29) OFF
RIGGS TOWN ROAD(SR 1112)
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BM13 ELEVATION = 26.14
N 456740 E 2528046
L STATION 292+23.00 431 LEFT
RR SPIKE IN 8' MAPLE
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BM33 ELEVATION = 39.84
N 428817 E 2529831
L STATION 14+20.00 1287 RIGHT
RR SPIKE IN GUY POLE(135469)
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DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2514-9"
WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 451335.4480 (ft) EASTING: 2526812.771 (ft)
ELEVATION: 38.950 (ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999887960
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS R2514-9" TO -L- STATION 10+00.00 IS
S04°09'54.41"E 22,449.166'
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE