

SURVEY CONTROL SHEET R-2514D

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
24	BL-24	456734.0858	2528219.3289	27.78	292-52.45	260.22 LT
25	BL-25	457364.3197	2528432.8525	25.67	299-12.83	178.45 LT
26	BL-26	457990.9292	2528669.3946	28.01	305-73.25	74.32 LT
27	BL-27	458558.2741	2528880.5437	28.45	311-72.32	14.24 LT
28	BL-28	459397.2205	2529200.2269	28.53	320-69.52	5.05 RT
34	BL-34	460199.0498	2529499.7448	29.52	329-25.46	2.73 RT
35	BL-35	461000.7970	2529799.9689	26.79	337-81.58	1.09 RT
36	BL-36	461686.6938	2530045.7928	17.02	345-09.50	15.44 RT
37	BL-37	462465.4122	2530197.8723	23.30	353-02.29	0.91 RT
38	BL-38	463467.6213	2530321.9030	18.90	363-12.14	1.53 RT
39	BL-39	464004.2949	2530385.3720	9.09	368-52.55	0.84 RT
40	BL-40	464342.0483	2530426.3294	16.74	371-92.78	1.41 RT
41	BL-41	464723.0681	2530465.1850	6.25	375-75.72	5.24 LT
42	BL-42	465711.3384	2530595.4672	12.31	385-72.47	6.80 RT
43	BL-43	465898.5797	2530616.5854	12.17	387-68.89	5.54 RT
44	BL-44	466049.8275	2530634.0304	3.39	389-13.14	4.91 RT
45	BL-45	466356.0045	2530668.1616	5.29	392-21.20	2.45 RT
46	BL-46	466683.1157	2530707.5720	4.02	395-00.68	2.75 RT
47	BL-47	466798.2623	2530720.2327	12.41	396-66.52	1.65 RT
48	BL-48	466984.4960	2530742.4700	13.11	398-54.07	1.62 RT
49	BL-49	467166.4284	2530763.8779	29.54	400-37.26	1.28 RT
50	BL-50	467730.3078	2530831.9916	30.32	406-05.24	1.97 RT
51	BL-51	468375.9900	2530909.6474	31.75	412-55.57	2.42 RT
52	BL-52	468739.6651	2530953.2915	32.26	416-21.86	2.59 RT
53	BL-53	469455.2227	2531038.1598	38.59	423-42.43	1.91 RT
54	BL-54	469981.6428	2531099.7259	39.96	428-72.44	0.54 RT
55	BL-55	471051.4325	2531227.5295	32.34	439-49.83	0.44 RT
56	BL-56	471986.3363	2531338.2466	34.07	448-89.93	23.70 LT
57	BL-57	473021.3874	2531460.3607	30.50	459-02.84	192.38 LT
58	BL-58	473971.1685	2531958.9328	35.24	469-53.22	138.37 LT
59	BL-59	474964.1029	2532485.5770	34.96	480-77.17	135.40 LT
60	BL-60	475925.1557	2532990.7391	35.41	491-62.90	136.57 LT
61	BL-61	476899.8145	2533513.8653	36.88	502-69.04	128.19 LT
62	BL-62	477809.2303	2533989.2284	36.17	512-95.20	131.64 LT
63	BL-63	478839.5818	2534522.8024	33.96	524-55.48	139.99 LT
64	BL-64	479776.4582	2535024.2397	35.86	535-18.08	133.18 LT
65	BL-65	480744.8315	2535533.3420	37.98	546-10.23	135.31 LT
66	BL-66	481406.6386	2535892.8726	38.36	553-52.29	163.48 LT
67	BL-67	482106.6238	2536261.3209	36.17	561-21.65	261.13 LT
68	BL-68	481961.1473	2536468.1915	36.12	561-29.87	8.37 LT
69	BL-69	482356.4470	2536837.9212	33.90	566-70.17	34.68 RT
70	BL-70	483121.5434	2537491.1075	35.41	576-77.12	6.25 LT
71	BL-71	483782.3449	2538242.6612	34.66	586-77.88	1.17 LT
72	BL-72	484097.1847	2538672.7007	34.75	592-11.02	9.53 RT
73	BL-73	484260.6402	2539443.3488	35.96	595-27.11	30.90 RT
74	BL-74	484630.9227	2539418.6785	34.30	601-28.19	15.29 LT
75	BL-75	484970.0670	2539894.9640	31.58	607-12.51	35.69 LT
76	BL-76	485434.3674	2540550.1917	36.05	615-15.14	61.86 LT
77	BL-77	485977.0195	2541313.9851	33.16	624-51.55	93.55 LT
78	BL-78	486006.4270	2541527.3990	33.15	626-45.81	0.44 LT
79	BL-79	486485.9671	2542147.0193	34.57	634-27.14	58.96 LT
80	BL-80	486951.6267	2543098.9245	35.71	644-02.54	3.16 RT
81	BL-81	487207.9316	2543601.5307	36.21	650-46.65	5.99 LT

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	Y3 STATION	OFFSET
GPS11	GPS R2514-11	459319.0010	2526949.8230	25.77	OUTSIDE PROJECT LIMITS	
GPS12	GPS R2514-12	459392.7090	2528733.6740	30.75	21-42.77	27.47 LT
999		459397.2205	2529200.2269	28.53	26-09.16	26.13 LT
33	BY3-33	459209.4767	2530244.4977	29.80	36-68.23	26.45 RT

BY4 POINT	DESC.	NORTH	EAST	ELEVATION	Y4 STATION	OFFSET
83	BY4-83	464076.1413	2528530.3903	13.75	OUTSIDE PROJECT LIMITS	
84	BY4-84	463751.8958	2529689.3934	18.12	21-11.89	17.74 LT
1000	BL-38	463467.6213	2530321.9030	18.90	28-04.40	25.31 RT
85	BY4-85	463000.8960	2531461.4701	18.12	40-35.79	14.39 RT

BY5 POINT	DESC.	NORTH	EAST	ELEVATION	Y5 STATION	OFFSET
86	BY5-86	470337.3376	2530486.5851	43.14	OUTSIDE PROJECT LIMITS	
1001	BL-54	469981.6428	2531099.7259	39.96	12-99.45	18.29 LT
GPS13	GPS R2514-13	469303.1320	2532710.9500	37.36	OUTSIDE PROJECT LIMITS	
GPS14	GPS R2514-14	468754.2690	2534234.8520	27.78	OUTSIDE PROJECT LIMITS	

BY6 POINT	DESC.	NORTH	EAST	ELEVATION	Y6 STATION	OFFSET
GPS15	GPS R2514-15	477274.3920	2532367.1760	37.07	OUTSIDE PROJECT LIMITS	
87	BY6-87	478422.1714	2533974.0264	36.29	OUTSIDE PROJECT LIMITS	
1002	BL-63	478839.5818	2534522.8024	33.96	13-52.79	30.47 LT
GPS16	GPS R2514-16	478923.2840	2534716.0380	34.23	15-58.30	15.49 RT
88	BY6-88	479398.1058	2535313.3382	33.26	OUTSIDE PROJECT LIMITS	
89	NCGS MON TEN MI	480129.8981	2536759.5414	33.97	OUTSIDE PROJECT LIMITS	

BY7 POINT	DESC.	NORTH	EAST	ELEVATION	Y7 STATION	OFFSET
90	BY7-90	482363.7073	2535895.8097	37.11	OUTSIDE PROJECT LIMITS	
1003	BL-67	482106.6238	2536261.3209	36.17	14-43.96	14.06 LT
1004	BL-68	481961.1473	2536468.1915	36.12	16-96.86	14.91 LT
91	BY7-91	481711.4066	2536829.8079	36.11	21-36.30	20.13 LT

BY8 POINT	DESC.	NORTH	EAST	ELEVATION	Y8 STATION	OFFSET
92	BY8-92	486319.2914	2539314.7239	35.76	12-46.23	14.34 RT
1005	BY10-98	485617.9828	2539589.1691	35.23	19-98.68	14.96 RT
1006	BL-75	484970.0670	2539894.9640	31.58	27-14.35	14.42 RT
93	BY8-93	484335.4191	2540393.7831	35.19	35-19.15	14.82 LT
94	BY8-94	483446.0078	2540979.6704	30.56	OUTSIDE PROJECT LIMITS	

BY9 POINT	DESC.	NORTH	EAST	ELEVATION	Y9 STATION	OFFSET
95	BY9-95	484538.6994	2542761.6149	31.83	OUTSIDE PROJECT LIMITS	
96	BY9-96	483926.7594	2541931.5423	27.81	25-77.70	7.64 LT
1007	BY8-94	483446.0078	2540979.6704	30.62	15-14.73	73.71 RT
97	BY9-97	483183.4302	2540293.7826	33.19	OUTSIDE PROJECT LIMITS	

BY10 POINT	DESC.	NORTH	EAST	ELEVATION	Y10 STATION	OFFSET
98	BY10-98	485617.9828	2539589.1691	35.23	OUTSIDE PROJECT LIMITS	
99	BY10-99	484970.0670	2539894.9640	33.78	OUTSIDE PROJECT LIMITS	
100	BY10-100	484460.2217	2537768.1934	35.48	OUTSIDE PROJECT LIMITS	
101	BY10-101	484007.1016	2537230.6838	36.30	OUTSIDE PROJECT LIMITS	
102	BY10-102	483043.1098	2536673.9703	36.34	28-83.38	4211.02 LT
1008	BL-67	482106.6238	2536261.3209	36.17	22-99.30	5051.34 LT

BM13	ELEVATION - 26.14	BM16	ELEVATION - 24.59	BM19	ELEVATION - 13.46
N 456740	E 2528046	N 461108	E 2529406	N 465426	E 2530928
L STATION 292-23.00 431 LEFT		L STATION 337-42.00 406 LEFT		L STATION 383-29.00 370 RIGHT	
RR SPIKE IN 8' MAPLE		RR SPIKE IN 8' PINE		RR SPIKE IN 18' OAK	
BM14	ELEVATION - 29.52	BM17	ELEVATION - 19.19	BM20	ELEVATION - 3.92
N 458745	E 2528683	N 463762	E 2529699	N 466517	E 2530930
L STATION 312-89.00 258 LEFT		L STATION 365-30.00 652 LEFT		L STATION 394-12.00 243 RIGHT	
RR SPIKE IN 13' PINE		RR SPIKE IN POWER POLE(RSO 66) OFF		RR SPIKE IN 16' HARDWOOD	
		GOSHEN ROAD(SR 1337)			
BM15	ELEVATION - 28.34	BM18	ELEVATION - 9.42	BM21	ELEVATION - 33.42
N 460015	E 2528423	N 464379	E 2530558	N 467195	E 2530541
L STATION 323-74.00 940 LEFT		L STATION 372-45.00 127 RIGHT		L STATION 400-39.00 224 LEFT	
RR SPIKE IN POWER POLE(GB 08) OFF BELL		RR SPIKE IN GUY POLE(RSO 61)		RR SPIKE IN 8' PINE	
FARM LOOP ROAD(SR 1338)					

BM22	ELEVATION - 39.54
N 469890	E 2531409
L STATION 428-18.00 318 RIGHT	
RR SPIKE IN POWER POLE(A 10) OFF OAK	
GROVE ROAD(SR 1121)	
BM23	ELEVATION - 34.77
N 472107	E 2531171
L STATION 449-72.00 213 LEFT	
RR SPIKE IN 16' GUM	
BM24	ELEVATION - 37.13
N 473971	E 2531906
L STATION 469-28.00 185 LEFT	
RR SPIKE IN H-POLE	
BM25	ELEVATION - 37.48
N 475816	E 2532883
L STATION 490-16.00 181 LEFT	
RR SPIKE IN H-POLE	
BM26	ELEVATION - 38.36
N 477662	E 2533860
L STATION 511-05.00 178 LEFT	
RR SPIKE IN H-POLE	
BM27	ELEVATION - 35.11
N 478879	E 2534591
L STATION 524-80.00 178 LEFT	
RR SPIKE IN H-POLE	
BM28	ELEVATION - 39.62
N 480770	E 2535503
L STATION 546-18.00 174 LEFT	
RR SPIKE IN H-POLE	
BM29	ELEVATION - 37.70
N 482034	E 2536123
L STATION 559-85.00 329 LEFT	
RR SPIKE IN 9' PINE	
BM30	ELEVATION - 37.77
N 482927	E 2537659
L STATION 576-61.00 250 RIGHT	
RR SPIKE IN 6' PINE	
BM31	ELEVATION - 36.89
N 484067	E 2539007
L STATION 594-70.00 227 RIGHT	
RR SPIKE IN BASE OF TWIN GUM	
BM32	ELEVATION - 36.79
N 485740	E 2539585
L STATION 608-78.00 849 LEFT	
RR SPIKE IN 7' PINE	

NOTES:

1. THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING NCDOT PROJECT CONTROL DATA AT:
[HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/PAGES/DEFAULT.ASPX](https://connect.ncdot.gov/resources/location/pages/default.aspx)

THE FILES TO BE FOUND ARE AS FOLLOWS:
 R2514D_LS_CONTROL.TXT
 R2514_LS_GPSCALIB.HTML
 R2514_LS_WGSS4.TXT
 R2514_LS_LOCAL.TXT

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.
 NETWORK ESTABLISHED FROM NGS ONLINE POSITIONING SERVICE (OPUS)
 SEE GPS CALIBRATION SHEET FOR HORIZONTAL AND VERTICAL COORDINATE VALUES.
 IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.

NOTE: DRAWING NOT TO SCALE

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "R2514-9" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 451335.4480 (ft) EASTING: 451335.4480 (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 GRID DISTANCE FROM "R2514-9" TO -L- STATION 300+00 IS N16°36'14.94"E 6342.661'

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

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