

HORIZONTAL & VERTICAL CONTROL

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1669956.9940	2251870.2360	731.1830	74ML_N	1422+02.96	158.4625' LT	TOPO SURVEY POINT, NAIL
101	1669932.4810	2251587.2510	729.0480	74ML_N	1422+31.86	124.1084' RT	TOPO SURVEY POINT, NAIL
102	1669685.8610	2251783.2540	748.8200	74ML_N	1424+75.41	75.6945' LT	TOPO SURVEY POINT, NAIL
103	1670241.4410	2251789.8450	739.0630	74ML_N	1419+19.80	73.6712' LT	TOPO SURVEY POINT, NAIL
104	1669932.8350	2251712.8140	730.0470	74ML_N	1422+29.56	1.434' LT	TOPO SURVEY POINT, NAIL
110	1649178.9940	2250728.4960	789.4560	74SBND	1630+35.27	29.6486' RT	TOPO SURVEY POINT, NAIL
111	1649199.7670	2250994.5100	789.7170	74NBND	1630+01.89	83.7005' RT	TOPO SURVEY POINT, NAIL
115	1649010.0130	2251054.4110	809.5470	74NBND	1631+90.42	21.0347' RT	TOPO SURVEY POINT, NAIL
116	1649428.2400	2251104.9300	806.8640	74NBND	1627+71.23	21.3586' LT	TOPO SURVEY POINT, NAIL
117	1649408.1790	2251067.9020	807.2590	74NBND	1627+92.32	15.092' RT	TOPO SURVEY POINT, NAIL
118	1649489.1280	2251070.4390	806.4240	74NBND	1627+11.39	14.9365' RT	TOPO SURVEY POINT, NAIL
119	1649549.7270	2251072.4230	805.7700	74NBND	1626+50.80	14.9288' RT	TOPO SURVEY POINT, NAIL
120	1649711.4180	2251078.3560	803.4160	74NBND	1624+89.11	15.0795' RT	TOPO SURVEY POINT, NAIL
121	1649848.8330	2251120.9770	800.9050	74NBND	1623+49.92	21.4022' LT	TOPO SURVEY POINT, NAIL
122	1649338.6100	2250718.1710	805.7400	74SBND	1628+75.72	26.065' RT	TOPO SURVEY POINT, NAIL
123	1649181.6210	2250785.4115	789.1105	74SBND	1630+37.97	27.2633' LT	NAIL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1670001.7469	2251644.4845	745.9590	74ML_N	1421+61.72	67.9557' RT	PERM. SURVEY MARKER, DISK
402	1669393.5478	2251703.0189	752.2241	74ML_N	1427+68.93	0.0009' LT	POT, DISK
403	1669979.3940	2252648.8510	737.9562	700N	28+61.81	39.6277' LT	CHISELED SQUARE
404	1669978.7614	2251615.3094	730.9231	700N	18+28.30	32.5446' LT	HEADWALL
405	1649256.8310	2250728.3860	807.4249	74SBND	1629+57.91	22.7351' RT	PERM. SURVEY MARKER, DISK
406	1648799.1430	2250723.9330	804.3516	74SBND	1634+11.88	74.1269' RT	SIGN
408	1649118.1950	2251100.7960	810.5829	74NBND	1630+81.61	23.9049' LT	PERM. SURVEY MARKER, DISK
409	1647658.5110	2251108.9870	807.3401	74NBND	1645+41.09	51.2558' LT	SIGN, CHISELED SQUARE
411	1649160.8030	2251067.1620	793.0976	74NBND	1630+39.51	10.3854' RT	PIER, CHISELED SQUARE
412	1649185.8100	2249753.5700	800.8702	300N	50+00.68	19.9617' RT	POWER POLE, RAIL ROAD SPIKE

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1670372.4680	2251646.7230	737.2235	74ML_N	1417+91.00	71.4649' RT	GPS CONTROL POINT, PIN
2	1669479.9110	2251777.9220	752.5020	74ML_N	1426+81.42	73.5561' LT	GPS CONTROL POINT, PIN
3	1669905.3300	2252663.5600	735.5570	700N	28+76.9849	34.343' RT	GPS CONTROL POINT, PIN
4	1669964.7020	2251367.5250	726.2150	700N	15+80.6046	16.939' LT	GPS CONTROL POINT, PIN
5	1649532.1310	2250674.2540	807.1368	74SBND	1626+80.18	55.8414' RT	GPS CONTROL POINT, PIN
6	1648816.4330	2250816.3560	807.2910	74SBND	1634+04.80	19.6323' LT	GPS CONTROL POINT, PIN
7	1649568.4480	2251107.0080	805.3858	74NBND	1626+30.90	18.9916' LT	GPS CONTROL POINT, PK NAIL
8	1649051.9780	2251103.7870	809.5700	74NBND	1631+47.81	27.7868' LT	TRAVERSE STATION, PIN
9	1648045.4740	2251088.1470	811.5490	74NBND	1641+54.44	25.3442' LT	GPS CONTROL POINT, PIN
10	1649193.9830	2251462.2110	800.1676	300N	67+08.9623	16.1658' LT	GPS CONTROL POINT, PIN
11	1649175.3840	2250861.4010	788.8860	300N	61+08.5370	12.2607' RT	GPS CONTROL POINT, PIN
12	1649177.6150	2250396.5940	803.0569	300N	56+43.7557	17.6349' RT	GPS CONTROL POINT, PIN
21	1669393.5478	2251703.0189	752.2102	74ML_N	1427+68.93	0.0009' LT	PIN
23	1668737.1928	2251647.5105	762.6731	74ML_N	1434+27.87	27.7008' RT	PIN
24	1668734.8694	2251703.0036	762.3587	74ML_N	1434+26.36	27.8203' LT	PIN
25	1667878.6478	2251585.5292	761.6695	74ML_N	1442+89.35	0.0001' LT	PIN
26	1665596.7278	2251265.5080	772.1444	74ML_N	1465+93.61	0.0001' RT	PIN
28	1664680.4884	2251143.9562	780.4481	74ML_N	1475+16.64	27.6728' RT	PIN
29	1664673.2140	2251199.8804	780.8187	74ML_N	1475+20.31	28.603' LT	PIN
30	1663775.4356	2251146.6590	781.0975	74ML_N	1484+20.46	0.0001' RT	PIN
32	1663779.8983	2251140.4345	783.2464	74ML_N	1484+15.94	6.184' RT	PIN

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	74ML_N	1426+43.92	25.7889' LT	GUARDRAIL STEEL PLATE BEAM
501	74ML_N	1425+93.65	66.6145' LT	GUARDRAIL
502	74ML_N	1417+83.07	25.1152' RT	GUARDRAIL, END
503	74ML_N	1418+34.56	66.4810' RT	STEEL PLATE BEAM GUARDRAIL, END
504	300N	61+06.10	22.8442' LT	WINNEBAGO INLET
515	700N	14+05.7314	36.9290' LT	POWER POLE
518	74ML_N	1426+85.8305	116.6396' LT	TREE DECIDUOUS
700	74ML_N	1418+93.87	115.0283' RT	RIGHT OF WAY MARKER
2296	700N	16+06.07	37.3534' RT	POWER POLE
2713	700N	17+51.38	39.6393' RT	FIBER OPT WARNING SIGN
11687	300N	61+20.96	32.9812' RT	TREE
11699	300N	62+31.66	36.5892' RT	HEADWALL
12199	74NBND	1631+40.47	35.3945' LT	PIPE CULVERT
12579	74NBND	1630+91.41	27.09582' LT	HEADWALL
12634	74NBND	1630+91.33	19.6503' RT	HEADWALL