

SURVEY CONTROL SHEET R-5023B

BASELINES

BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
BL1	NCDOT GPS R5023B-2		361194.8260	2442336.9520	33.03	OUTSIDE PROJECT LIMITS	
BL2	BL-2		361467.7100	2443110.4130	50.36	17+76.12	36.01 RT
BL3	BL-3		361813.7600	2443924.0240	49.68	26+57.86	29.80 LT
BL4	BL-4		362084.9410	2444769.5510	46.21	35+45.66	17.03 LT
BL5	BL-5		362370.6710	2445744.6020	57.37	45+60.91	23.55 RT
BL6	BL-6		362828.8530	2446948.3130	51.53	58+47.92	25.92 LT
BL7	BL-7		363014.0810	2447659.5560	55.84	65+81.06	25.90 RT
BL8	BL-8		363191.1700	2448198.4250	60.80	71+48.08	30.77 RT
BL9	BL-9		363540.0534	2449032.2685	50.23	80+50.11	25.11 LT
BL10	BL-10		363728.2424	2449708.8143	40.85	87+50.97	19.01 RT
BL11	BL-11		363952.8500	2450345.7980	46.86	94+25.43	24.46 RT
GPS3	NCDOT GPS R5023B-3		364313.4520	2451093.7470	44.91	102+54.06	24.77 LT

BL2	POINT	DESC.	NORTH	EAST	ELEVATION	L1 STATION	OFFSET
BL21	SF4903F BL-1		361088.5460	2438743.7620	46.08	10+26.96	18.77 LT
HAW1974	NCGS MON HAW1974		360807.8860	2439479.8600	38.10	18+11.22	42.98 RT
BL23	SF4903F BL-3		360757.8490	2440170.4420	29.01	24+98.82	19.07 RT
GPS1	NCDOT GPS R5023B-1		360790.9270	2440822.6460	25.44	OUTSIDE PROJECT LIMITS	

BY	POINT	DESC.	NORTH	EAST	ELEVATION	L1 STATION	OFFSET
EO1	NCGS MON HAW1974		360807.8860	2439479.8600	38.10	18+11.22	42.98 RT
BY5	SF4903F BY-5		360674.2630	2438873.4640	36.41	12+81.61	325.90 RT
BY6	SF4903F BY-6		360607.5270	2438231.4130	30.20	OUTSIDE PROJECT LIMITS	

BENCHMARKS

BM1 ELEVATION = 27.09
 N 360899 E 2440258
 L1 STATION 25+86.00 124 LEFT
 RR SPIKE IN 15" HARDWOOD

BM2 ELEVATION = 38.14
 N 361096 E 2442378
 L STATION 10+00.00
 S 05°07'37.38" E DIST 155.46
 RR SPIKE IN 24" PINE

BM3 ELEVATION = 50.40
 N 361867 E 2444421
 L STATION 31+45.00 78 RIGHT
 RR SPIKE IN 15" HARDWOOD

BM4 ELEVATION = 51.56
 N 362849 E 2446717
 L STATION 56+35.00 119 LEFT
 RR SPIKE IN 12" PINE

BM5 ELEVATION = 44.28
 N 363534 E 2449391
 L STATION 83+87.00 98 RIGHT
 RR SPIKE IN 12" HARDWOOD

BM6 ELEVATION = 45.67
 N 364426 E 2451143
 L STATION 103+42.00 111 LEFT
 RR SPIKE IN 36" HARDWOOD

FINAL DESIGN ALIGNMENTS

TYPE	STATION	L	
		NORTH	EAST
POT	10+00.00	361250.3679	2442364.4763
PC	18+72.91	361533.1347	2443190.3179
PT	19+24.84	361549.8928	2443239.4695
PC	26+41.01	361780.1264	2443917.6244
PT	27+06.19	361801.0003	2443979.3728
PC	39+89.43	362210.3640	2445195.5642
PT	40+53.50	362230.8212	2445256.2799
PC	63+59.94	362967.9283	2447441.7631
PT	64+10.18	362983.9880	2447489.3662
PC	70+26.86	363181.1674	2448073.6747
PT	72+25.23	363245.5019	2448261.3176
PC	77+38.34	363414.2625	2448745.8937
PT	78+36.88	363446.5803	2448838.9708
PC	83+36.28	363609.9129	2449310.9141
PT	83+91.27	363627.9415	2449362.8554
PC	90+53.42	363845.6287	2449988.2046
PT	95+26.51	364013.5082	2450430.4360
POT	107+61.12	364483.6299	2451572.0441

TYPE	STATION	L1	
		NORTH	EAST
PC	10+00.00	361081.2473	2438711.7861
PT	29+31.94	360789.8389	2440603.6053

TYPE	STATION	Y1	
		NORTH	EAST
POT	10+00.00	361790.8934	2443949.4087
POT	12+41.47	362032.3415	2443946.0463

TYPE	STATION	Y2	
		NORTH	EAST
POT	10+00.00	362473.4262	2446787.3033
PC	12+85.07	362711.0123	2446944.8452
PT	13+69.68	362792.0358	2446958.1283
POT	13+81.81	362803.7569	2446955.0035

TYPE	STATION	Y3	
		NORTH	EAST
PC	7+77.65	362829.9527	2448250.1078
PT	11+11.92	363149.4743	2448152.0937
POT	11+67.12	363201.7263	2448134.2850

TYPE	STATION	Y4	
		NORTH	EAST
POT	10+00.00	363201.7263	2448134.2850
POT	13+05.09	363481.2229	2448011.9798

TYPE	STATION	Y5	
		NORTH	EAST
POT	10+00.00	363474.8660	2449506.3949
POT	12+00.17	363637.0811	2449389.1109

TYPE	STATION	Y6	
		NORTH	EAST
POT	10+00.00	363637.0811	2449389.1109
PC	10+32.09	363666.2958	2449375.8283
PT	10+77.97	363708.6487	2449358.2228
POT	11+98.23	363821.1542	2449315.7230

TYPE	STATION	Y7	
		NORTH	EAST
POT	10+00.00	363749.2545	2450596.9224
POT	13+25.68	364074.4065	2450578.3167

TYPE	STATION	Y7A	
		NORTH	EAST
POT	10+00.00	363702.6124	2450123.7393
POT	11+80.21	363874.9195	2450070.9691

TYPE	STATION	Y8	
		NORTH	EAST
POT	10+00.00	364070.2837	2451127.1592
POT	12+31.65	364301.9045	2451130.7558

TYPE	STATION	Y9	
		NORTH	EAST
PC	10+00.00	360706.0382	2439012.9712
PT	14+49.00	360764.9934	2439458.0809
PC	14+81.17	360769.3371	2439489.9589
PT	15+44.03	360810.0178	2439532.4168
POT	15+75.28	360840.7722	2439537.9551

FINAL ROW & EASEMENTS

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	71+47.00	-49.78	363266.99154	2448171.20010

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	10+78.00	31.17	363285.67891	2448131.56920

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	23+32.00	-58.00	361735.70725	2443606.37081
L	23+32.00	-50.46	361728.56718	2443608.79486
L	23+43.07	-58.00	361739.26516	2443616.85064
L	23+43.63	-66.00	361747.02037	2443614.80865
L	23+59.00	-50.40	361737.19113	2443634.38062
L	23+59.00	-66.00	361751.96250	2443629.36574
L	34+06.00	49.98	361976.87462	2444658.56145
L	34+06.00	70.00	361957.90214	2444664.94749
L	34+39.00	70.00	361968.42942	2444696.22330
L	34+39.00	49.97	361987.41499	2444689.83286
L	56+43.00	-75.00	362809.87086	2446738.45301
L	56+43.00	-49.97	362786.14900	2446746.45378
L	56+78.00	-75.00	362821.05639	2446771.61750
L	56+78.00	-49.96	362797.32818	2446779.62042
L	57+27.08	50.05	362718.24951	2446858.09010
L	64+43.00	-49.80	363041.67037	2447504.54066
L	64+43.00	-68.00	363058.91270	2447498.72211
L	64+69.00	-68.00	363067.22601	2447523.35723
L	64+69.00	-49.79	363049.97490	2447529.17874
L	103+13.57	-49.65	364359.11668	2451139.30040
L	103+21.99	-72.00	364382.99274	2451138.58020
L	103+38.00	-64.00	364381.68989	2451156.42581
L	103+38.00	-49.64	364368.41085	2451161.89420

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L1	17+18.00	58.00	360812.09821	2439384.39480
L1	17+18.00	50.00	360819.91694	2439386.08817
L1	27+03.00	-63.00	360840.29053	2440373.34955
L1	27+03.00	-50.00	360827.29521	2440373.69845
L1	27+29.00	-50.00	360828.06585	2440399.36992
L1	27+29.00	-63.00	360841.05870	2440398.93867

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y2	11+86.59	-31.30	362646.23206	2446864.33455

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y3	8+13.00	44.00	362875.8978	2448283.0435
Y3	8+13.00	29.25	362871.9171	2448268.8442
Y3	8+23.00	44.00	362885.6022	2448280.3133
Y3	8+23.00	29.22	362881.5866	2448266.0902

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y4	12+72.00	47.00	363469.7545	2448068.3012
Y4	12+72.00	31.45	363463.5214	2448054.0557
Y4	12+82.00	47.00	363478.9158	2448064.2923
Y4	12+82.00	31.47	363472.6880	2448050.0603

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y9	12+40.00	-30.00	360766.8760	2439247.0008
Y9	12+65.00	-37.00	360777.1073	2439270.8466
Y9	13+21.00	52.00	360696.3086	2439338.1471
Y9	13+21.00	30.00	360718.1134	2439335.2233
Y9	13+50.00	30.00	360721.9764	2439363.9795
Y9	13+50.00	52.00	360700.1729	2439366.9138

NOTE: DRAWING NOT TO SCALE

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