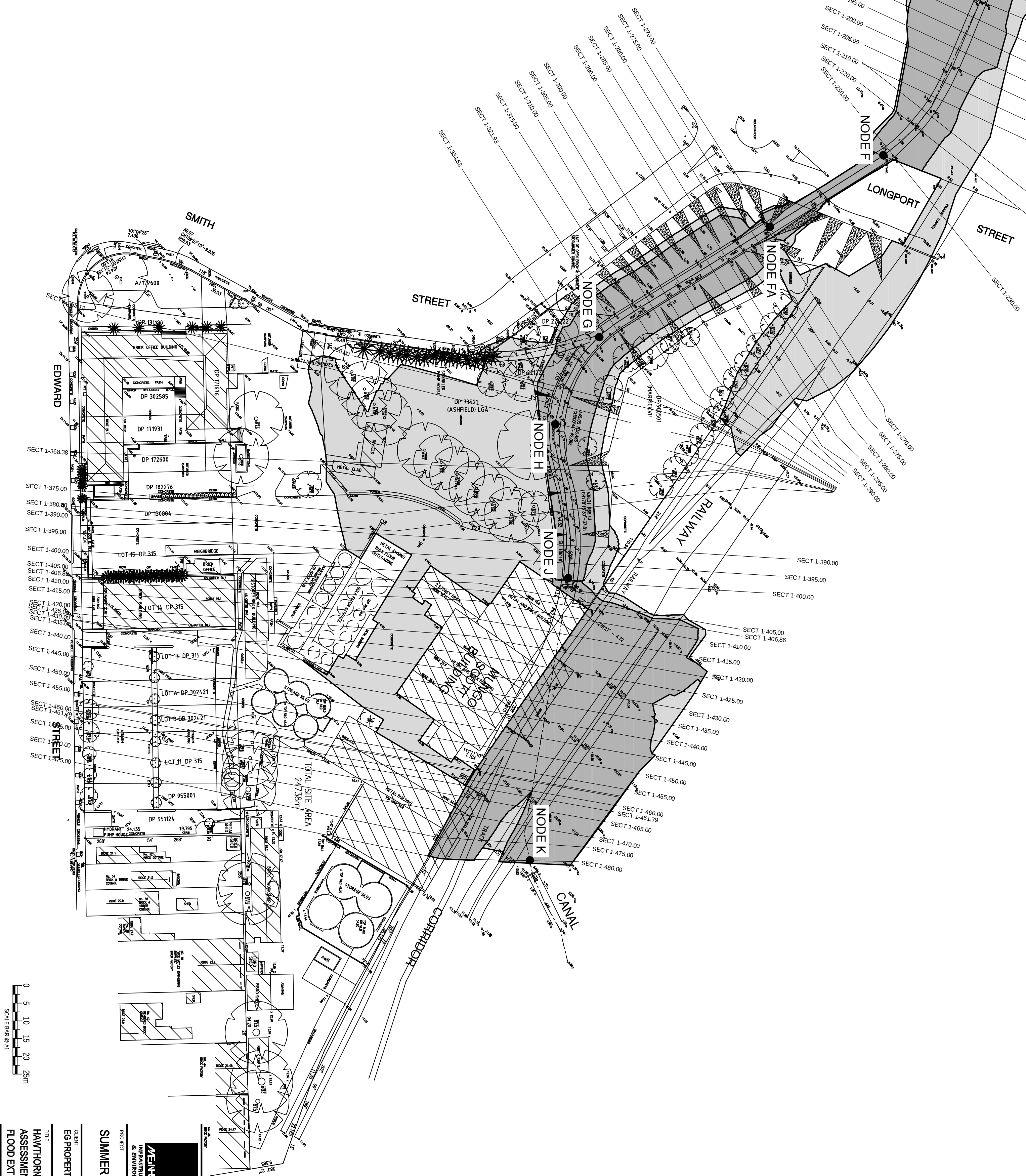
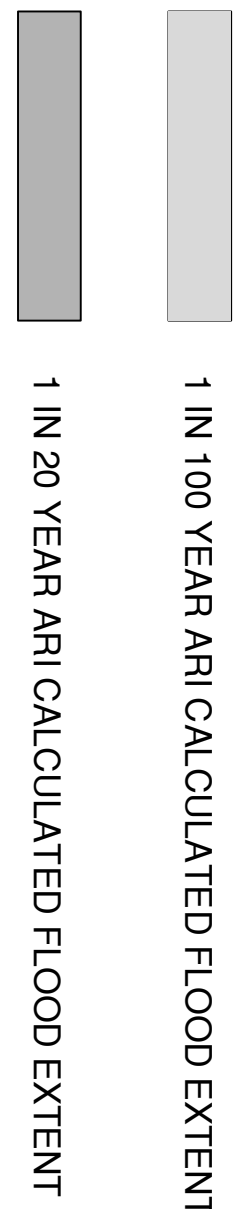
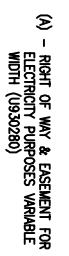
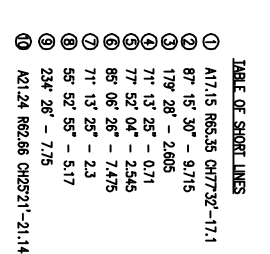
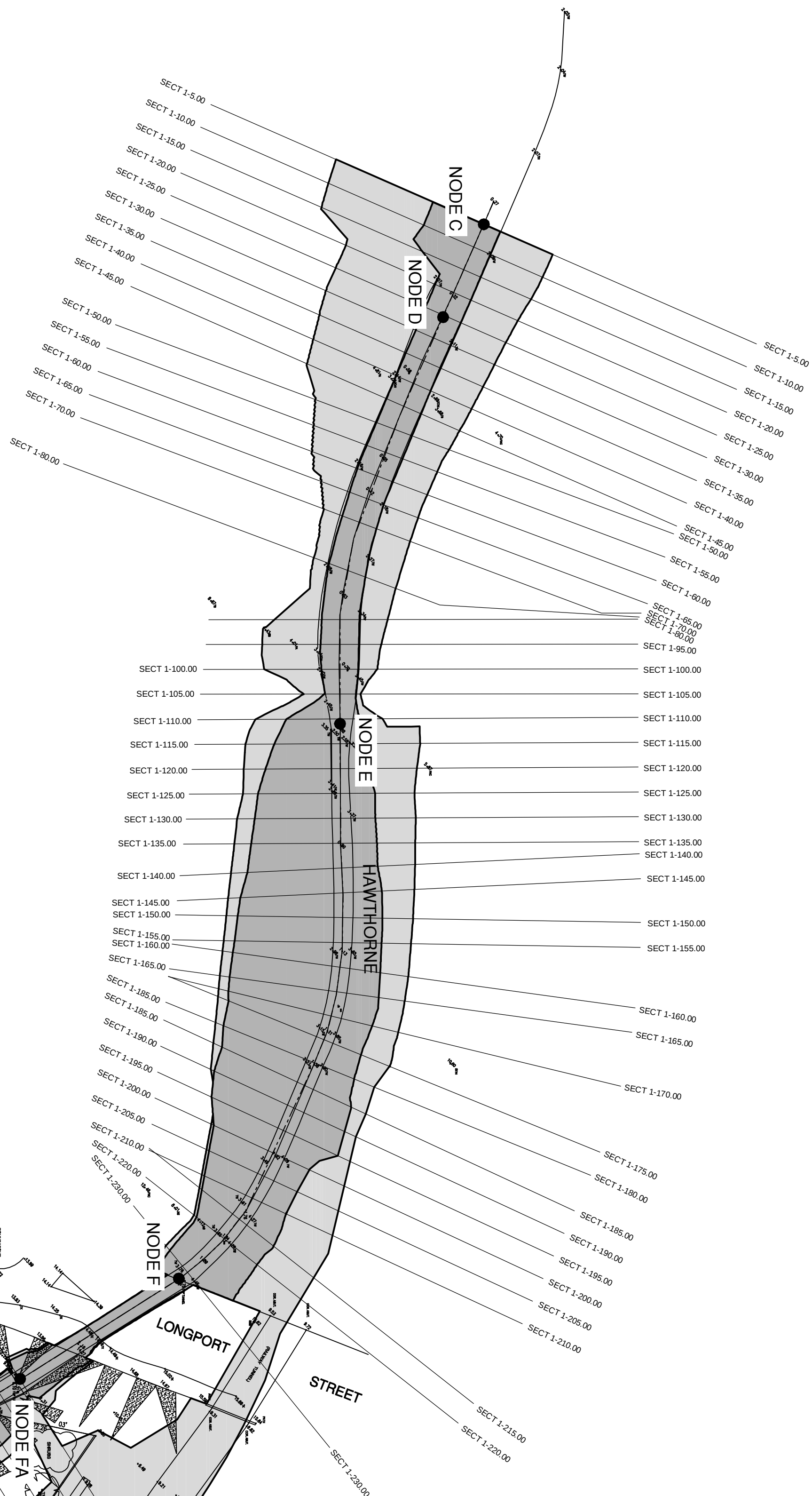


[illegible]

HEC-RAS Plan: Plan 01 River: HAWTHORNE CANAL Reach: NODE K to C Profile: 1 in 100 Year

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Vel Chnl	Flow Area	Top Width	Froude # Chl
		(m3/s)	(m)	(m)	(m/s)	(m2)	(m)	
NODE K to C	480.00	27.90	10.25	11.72	1.02	32.65	41.12	0.29
NODE K to C	475.00	27.90	10.83	11.69	1.01	26.24	42.71	0.40
NODE K to C	470.00	27.90	11.06	11.60	1.30	18.55	41.33	0.67
NODE K to C	465.00	27.90	11.06	11.57	0.87	19.01	42.06	0.60
NODE K to C	461.79	27.90	11.30	11.57	0.62	21.51	42.31	0.48
NODE K to C	460.00	27.90	11.33	11.57	0.57	23.34	42.81	0.43
NODE K to C	457.48	27.90	11.27	11.56	0.61	23.55	41.85	0.43
NODE K to C	457.11	27.90	11.26	11.51	0.72	18.47	38.69	0.58
NODE K to C	455.00	27.90	11.19	11.53	0.72	22.78	43.00	0.47
NODE K to C	450.00	27.90	11.06	11.49	1.00	21.75	43.08	0.54
NODE K to C	445.00	27.90	10.92	11.45	1.33	20.19	43.17	0.63
NODE K to C	440.00	27.90	10.76	11.36	1.80	17.37	41.67	0.79
NODE K to C	435.00	27.90	10.60	11.27	2.26	15.47	38.89	0.94
NODE K to C	430.00	27.90	10.44	11.10	3.00	13.00	37.84	1.24
NODE K to C	425.00	27.90	10.26	11.15	2.22	17.59	42.90	0.75
NODE K to C	420.00	27.90	10.12	11.13	1.06	18.77	41.75	0.34
NODE K to C	415.00	27.90	9.99	11.01	2.84	15.93	35.73	0.94
NODE K to C	410.00	27.90	9.85	10.99	0.02	16.93	35.66	0.01
NODE K to C	406.86	27.90	10.06	10.87	3.06	14.03	33.67	1.10
NODE K to C	405.00	27.90	9.42	10.57	5.00	10.29	28.76	1.51
NODE K to C	400.00	27.90	3.97	9.71	1.41	69.46	61.09	0.19
NODE K to C	395.00	51.80	3.87	9.59	2.39	87.11	74.57	0.32
NODE K to C	390.00	51.80	3.81	9.60	2.25	93.81	78.11	0.30
NODE K to C	380.00	51.80	3.67	9.61	2.27	95.43	76.12	0.30
NODE K to C	375.00	51.80	3.58	9.61	2.17	93.38	76.58	0.28
NODE K to C	368.38	51.80	3.47	9.56	2.42	83.23	78.16	0.31
NODE K to C	355.18	51.80	3.24	9.57	2.27	73.85	73.75	0.29
NODE K to C	350.00	51.80	3.18	9.57	2.24	72.37	60.75	0.28
NODE K to C	345.00	51.80	3.12	9.58	2.06	76.49	41.59	0.26
NODE K to C	334.53	86.50	2.99	9.45	2.93	84.48	24.87	0.37
NODE K to C	321.93	86.50	2.86	9.39	3.19	75.15	23.61	0.40
NODE K to C	315.00	86.50	2.77	9.33	3.34	70.86	23.25	0.42
NODE K to C	310.00	86.50	2.71	9.36	3.20	74.16	22.86	0.40
NODE K to C	305.00	86.50	2.65	9.35	3.22	73.55	22.93	0.40
NODE K to C	300.00	86.50	2.59	9.36	3.16	75.12	23.13	0.39
NODE K to C	290.00	86.50	2.49	9.39	2.99	81.81	33.39	0.36
NODE K to C	285.00	86.50	2.44	9.39	2.99	82.65	37.31	0.36
NODE K to C	280.00	86.50	2.39	9.36	3.07	69.11	39.40	0.37
NODE K to C	275.00	86.50	2.35	8.87	4.27	40.82	19.08	0.53
NODE K to C	270.00	86.50	2.30	8.76	4.21	30.35	13.33	0.53
NODE K to C	250	Culvert						
NODE K to C	230.00	95.40	1.91	6.36	6.14	28.39	10.82	0.93
NODE K to C	220.00	95.40	1.80	5.11	8.05	23.73	17.20	1.41
NODE K to C	215.00	95.40	1.77	4.94	8.30	23.83	19.28	1.49
NODE K to C	210.00	95.40	1.73	4.88	8.34	23.64	18.99	1.50
NODE K to C	205.00	95.40	1.67	4.76	8.50	23.74	20.70	1.54
NODE K to C	200.00	95.40	1.62	4.64	8.66	23.75	22.39	1.59
NODE K to C	195.00	95.40	1.56	4.55	8.75	23.89	24.13	1.62
NODE K to C	190.00	95.40	1.50	5.57	4.80	55.85	32.55	0.76
NODE K to C	185.00	95.40	1.44	5.65	4.45	61.47	33.81	0.69
NODE K to C	180.00	95.40	1.38	5.69	4.28	64.28	34.55	0.66
NODE K to C	175.00	95.40	1.33	5.74	4.04	69.57	36.57	0.61
NODE K to C	170.00	95.40	1.26	5.77	3.86	73.49	37.20	0.58
NODE K to C	165.00	95.40	1.19	5.79	3.75	75.68	37.58	0.56
NODE K to C	160.00	95.40	1.15	5.79	3.75	75.73	37.76	0.56
NODE K to C	155.00	95.40	1.11	5.77	3.78	74.90	37.72	0.56
NODE K to C	150.00	95.40	1.05	5.76	3.80	74.29	37.62	0.56
NODE K to C	145.00	95.40	1.00	5.74	3.83	73.22	37.57	0.56
NODE K to C	140.00	95.40	0.95	5.69	3.98	69.92	37.13	0.58
NODE K to C	135.00	95.40	0.90	5.60	4.19	65.33	36.42	0.62

HEC-RAS Plan: Plan 01 River: HAWTHORNE CANAL Reach: NODE K to C Profile: 1 in 100 Year (Continued)

Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Vel Chnl	Flow Area	Top Width	Froude # Chl
		(m3/s)	(m)	(m)	(m/s)	(m2)	(m)	
NODE K to C	130.00	95.40	0.85	5.53	4.37	61.55	35.97	0.65
NODE K to C	125.00	95.40	0.80	5.28	4.91	52.20	34.51	0.74
NODE K to C	120.00	95.40	0.76	5.29	4.85	52.95	34.90	0.73
NODE K to C	115.00	95.40	0.71	5.32	4.73	54.31	35.20	0.70
NODE K to C	110.00	95.40	0.66	4.85	5.64	40.81	25.62	0.88
NODE K to C	105.00	95.40	0.63	3.27	7.36	17.04	11.42	1.45
NODE K to C	100.00	95.40	0.60	4.57	3.37	43.38	22.80	0.54
NODE K to C	95.00	95.40	0.58	4.61	3.14	45.03	23.99	0.50
NODE K to C	90.00	95.40	0.55	4.64	3.01	49.07	22.79	0.48
NODE K to C	80.00	95.40	0.49	4.63	3.01	44.85	17.60	0.47
NODE K to C	70.00	95.40	0.44	4.63	3.01	45.21	18.56	0.47
NODE K to C	65.00	95.40	0.43	4.64	2.97	47.74	20.83	0.46
NODE K to C	60.00	95.40	0.39	4.67	2.82	54.50	24.79	0.44
NODE K to C	55.00	95.40	0.33	4.69	2.74	58.12	26.58	0.42
NODE K to C	50.00	95.40	0.24	4.71	2.64	62.01	28.78	0.40
NODE K to C	45.00	95.40	0.16	4.72	2.55	67.77	33.55	0.38
NODE K to C	40.00	95.40	0.07	4.74	2.46	72.31	34.83	0.36
NODE K to C	35.00	95.40	0.01	4.75	2.41	74.98	35.97	0.35
NODE K to C	30.00	95.40	0.12	4.75	2.42	76.15	37.09	0.36
NODE K to C	25.00	103.00	0.23	4.68	2.70	74.34	37.41	0.41
NODE K to C	20.00	103.00	0.32	4.67	2.74	73.85	37.77	0.42
NODE K to C	15.00	103.00	0.31	4.76	2.27	102.47	46.05	0.34
NODE K to C	10.00	103.00	0.30	4.79	2.10	112.65	47.10	0.32
NODE K to C	5.00	103.00	0.29	4.79	2.08	114.22	47.67	0.31

HEC-RAS Plan: Plan 01 River: HAWTHORNE CANAL Reach: NODE K to C Profile: 1 in 100 Year

Reach	River Sta		E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m3/s)	(m3/s)	(m)	(m/s)	(m/s)
NODE K to C	250	Culvert #1	9.61	8.76	9.78	9.61	13.49	85.64		2.41	6.20	6.20
NODE K to C	250	Culvert #2	9.61	8.76	9.61	9.63	13.49	0.86		2.41	0.77	1.02

