

HILL ROAD									
EARTHWORK COMPUTATION									
LOCATION		20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	FURNISHED EXCAVATION	TOPSOIL EXCAVATION	21101625	UNDERCUT	20201200
STATION	STATION	CU YD	CU YD	CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	CU YD	SG YD	CU YD	CU YD
103+00	103+50	35.59	26.69	6.65	20.04	12.67	69.81	51.57	64.25
103+50	104+00	35.77	26.83	19.88	6.95	15.93	100.06	51.85	67.79
104+00	104+50	55.23	41.42	24.20	17.22	18.10	171.01	44.44	62.55
104+50	105+00	73.67	55.25	31.44	23.81	20.17	188.80	44.44	64.61
105+00	105+50	80.13	60.10	37.76	22.34	21.22	204.86	44.44	65.66
105+50	106+00	72.38	54.28	43.60	10.69	22.14	215.21	44.44	66.59
106+00	106+50	76.50	57.38	67.28	-9.90	25.54	245.33	44.44	69.98
106+50	107+00	85.79	64.34	117.04	-52.70	29.46	279.93	44.44	73.90
107+00	107+50	145.95	109.46	138.79	-29.33	32.85	318.68	44.44	77.30
107+50	108+00	234.67	176.00	143.93	32.07	36.74	361.75	44.44	81.19
108+00	108+50	354.13	265.60	125.27	140.33	39.53	391.42	44.42	83.95
108+50	109+00	466.31	349.73	68.92	280.81	53.66	417.05	44.42	98.08
109+00	109+50	422.36	316.77	26.60	290.17	41.86	341.25	14.22	56.08
BRIDGE									
110+00	110+50	155.06	116.30	67.13	49.17	33.92	218.43	0.00	33.92
110+50	111+00	278.67	209.00	119.38	89.62	51.93	412.62	22.22	74.16
111+00	111+50	185.85	139.39	103.95	35.44	42.26	346.88	44.44	86.70
111+50	112+00	76.74	57.55	83.78	-26.23	34.15	240.90	44.44	78.59
112+00	112+50	55.91	41.94	34.18	7.75	18.49	167.15	44.44	62.93
112+50	113+00	55.77	41.82	3.46	38.36	13.72	113.28	44.44	58.17
113+00	113+50	14.35	10.76	1.37	9.39	5.14	34.34	22.22	27.37
Totals		2965	2225	1265	960	570	4840	785	1355

NOTES:
1. 25% SHRINKAGE FACTOR USED
2. ASSUMED 6' TOPSOIL REMOVAL
3. ASSUMED 12" DEPTH FOR UNDERCUT AREA
4. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS = TOPSOIL REMOVAL + UNDERCUT

20100110	TREE REMOVAL (6 TO 15 UNITS)		
STATION	OFFSET	LT/RT	UNITS
111+89.66	25.84	LT	10
111+79.83	28.13	LT	12
111+64.28	28.39	LT	10
111+32.42	28.08	LT	8
110+85.22	20.88	LT	10
109+31.00	25.96	LT	12
108+75.92	27.78	LT	11
108+65.82	29.82	LT	8
108+46.34	30.02	LT	12
106+52.43	31.05	LT	12
107+42.07	49.24	LT	8
108+45.12	35.91	LT	14
108+50.83	32.46	LT	8
108+54.57	41.96	LT	6
108+54.90	45.82	LT	10
108+99.42	46.03	LT	12
109+21.56	39.49	LT	7
109+36.20	43.81	LT	7
109+42.67	45.03	LT	7
109+88.17	47.46	LT	10
109+91.22	50.25	LT	12
110+46.70	37.13	LT	6
111+25.33	33.71	LT	8
111+21.16	36.31	LT	12
111+23.18	45.86	LT	12
111+22.60	46.45	LT	8
111+17.60	47.54	LT	10
111+50.04	28.00	LT	10
112+43.27	26.67	LT	12
111+64.05	25.42	RT	12
111+31.39	20.34	RT	6
111+18.25	20.48	RT	12
110+94.37	19.6	RT	14
109+59.46	29.06	RT	12
109+11.44	25.64	RT	11
109+06.03	23.86	RT	11
108+80.43	21.45	RT	12
108+80.16	21.53	RT	12
108+80.66	21.58	RT	8
108+44.58	25.9	RT	12
104+46.67	19.21	RT	7
108+59.38	44.07	RT	6
109+02.16	57.23	RT	6
109+05.07	55.48	RT	8
109+04.13	50.8	RT	12
109+08.98	50.62	RT	8
109+14.68	45.03	RT	12
109+20.54	37.07	RT	10
109+34.76	36.01	RT	6
109+67.52	39.83	RT	10
110+28.92	16.34	RT	6
110+52.43	32.77	RT	12
TOTAL AMOUNT OF TREES			52
TOTAL UNITS			509

20100210	TREE REMOVAL (OVER 15 UNITS)		
STATION	OFFSET	LT/RT	UNITS
104+98.80	32.65	LT	52
106+00.67	35.43	LT	28
106+15.15	31.98	LT	19
107+28.84	30	LT	24
107+54.55	34.41	LT	30
107+65.95	25.97	LT	18
108+04.44	33.06	LT	20
108+82.76	31.57	LT	20
109+17.31	33.44	LT	24
109+42.09	45.52	LT	18
110+08.25	51.61	LT	30
110+13.22	29	LT	20
110+16.42	40.59	LT	30
110+34.73	29.11	LT	24
110+56.44	30.07	LT	20
111+41.09	25.56	LT	16
111+68.61	29.32	LT	20
108+42.66	43.91	RT	20
108+48.36	29	RT	18
109+29.19	25.94	RT	18
109+53.91	43.92	RT	24
110+32.00	48.8	RT	40
110+80.08	50.32	RT	18
TOTAL AMOUNT OF TREES			23
TOTAL UNITS			551

TREE PRUNING (1 TO 10 INCH DIAMETER) 20101300			
STATION	OFFSET	LT/RT	EACH
108+62	56	LT	1
108+69	56	LT	1
109+13	54	LT	1
111+02	48	LT	1
111+28	47	LT	1
111+47	45	LT	1
112+60	31	LT	1
113+14	21	LT	1
113+17	29	LT	1
113+20	30	LT	1
113+23	30	LT	1
TOTAL			11

TREE ROOT PRUNING 20101200			
STATION	OFFSET	LT/RT	EACH
108+62	56	LT	1
108+69	56	LT	1
109+13	54	LT	1
111+02	48	LT	1
111+13	48	LT	1
111+28	47	LT	1
111+47	45	LT	1
112+60	31	LT	1
112+71	30	LT	1
112+78	32	LT	1
112+89	29	LT	1
112+95	29	LT	1
113+14	21	LT	1
113+17	29	LT	1
113+20	30	LT	1
113+23	30	LT	1
113+27	30	LT	1
113+04	32	RT	1
113+17	31	RT	1
TOTAL			19

TREE PRUNING (OVER 10 INCH DIAMETER) 20101350			
STATION	OFFSET	LT/RT	EACH
111+13	48	LT	1
112+71	30	LT	1
112+78	32	LT	1
112+89	29	LT	1
112+95	29	LT	1
113+27	30	LT	1
113+04	32	RT	1
113+17	31	RT	1
TOTAL			8

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