ATTACHMENT 7

Water Surface Pressure Gradient for Windows (WSPGW) Analysis Proposed Option No. 1

Note: This Attachment contains the WSPGW water surface profile results for Proposed Option No. 1, one of two options recommended to reduce the runoff and cliff erosion of Rimforest.

This Attachment shows the results for flow into Little Bear Creek (see Exhibit “F” for stationing).

Program Package Serial Number: 1521
WATER SURFACE PROFILE LISTING Date: 5- 6-2009 Time:10:58:59

Rimforest
Option 1
Drain to Little Bear Creek

Station / L/Elem	Invert Elev / Ch Slope	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head / SF Ave	Energy Grd.El. / HF	Super Elev / SE Dpth	Critical Depth / Froude N	Flow Top Width / Norm Dp	Height/ Dia.-FT / "N"	Base Wt or I.D. / X-Fall	ZL / ZR	No Wth Prs/Pip / Type Ch
1899.000	5580.000	3.363	5583.363	303.00	21.57	7.23	5590.59	.00	4.68	4.69	5.000	.000	.00	1 .0
293.739	.0215					.0215	6.31	3.36	2.20	3.36	.013	.00	.00	PIPE
2192.739	5586.314	3.363	5589.677	303.00	21.57	7.23	5596.90	.00	4.68	4.69	5.000	.000	.00	1 .0
435.305	.0215					.0209	9.12	3.36	2.20	3.36	.013	.00	.00	PIPE
2628.044	5595.672	3.429	5599.101	303.00	21.11	6.92	5606.02	.00	4.68	4.64	5.000	.000	.00	1 .0
215.760	.0215					.0193	4.16	3.43	2.12	3.36	.013	.00	.00	PIPE
2843.804	5600.310	3.582	5603.892	303.00	20.13	6.29	5610.18	.00	4.68	4.51	5.000	.000	.00	1 .0
95.437	.0215					.0172	1.65	3.58	1.94	3.36	.013	.00	.00	PIPE
2939.241	5602.362	3.748	5606.110	303.00	19.19	5.72	5611.83	.00	4.68	4.33	5.000	.000	.00	1 .0
56.111	.0215					.0155	.87	3.75	1.77	3.36	.013	.00	.00	PIPE
2995.352	5603.568	3.931	5607.499	303.00	18.30	5.20	5612.70	.00	4.68	4.10	5.000	.000	.00	1 .0
35.716	.0215					.0140	.50	3.93	1.60	3.36	.013	.00	.00	PIPE
3031.068	5604.335	4.136	5608.471	303.00	17.45	4.73	5613.20	.00	4.68	3.78	5.000	.000	.00	1 .0
21.974	.0215					.0128	.28	4.14	1.43	3.36	.013	.00	.00	PIPE
3053.042	5604.808	4.374	5609.182	303.00	16.63	4.30	5613.48	.00	4.68	3.31	5.000	.000	.00	1 .0
8.958	.0215					.0120	.11	4.37	1.25	3.36	.013	.00	.00	PIPE
3062.000	5605.000	4.680	5609.680	303.00	15.86	3.91	5613.59	.00	4.68	2.45	5.000	.000	.00	1 .0