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Raven House 29 Linkfield Lane Surrey RH1 1SS		11557: Station Road, Barnsley Prelim SW Strategy Plot 4 Soakaway			
Date 12/06/2014 09:41 File Plot 4.srcx		Designed by TF Checked by			
Micro Drainage		Source Control 2014.1.1			
Summary of Results for 100 year Return Period (+30%)					
Half Drain Time : 51 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	66.067	0.817	0.6	2.6	O K
30 min Summer	66.280	1.030	0.7	3.3	O K
60 min Summer	66.417	1.167	0.8	3.7	O K
120 min Summer	66.458	1.208	0.8	3.8	O K
180 min Summer	66.411	1.161	0.8	3.7	O K
240 min Summer	66.354	1.104	0.8	3.5	O K
360 min Summer	66.245	0.995	0.7	3.2	O K
480 min Summer	66.143	0.893	0.7	2.8	O K
600 min Summer	66.053	0.803	0.6	2.6	O K
720 min Summer	65.973	0.723	0.6	2.3	O K
960 min Summer	65.838	0.588	0.5	1.9	O K
1440 min Summer	65.640	0.390	0.5	1.2	O K
2160 min Summer	65.452	0.202	0.4	0.6	O K
2880 min Summer	65.342	0.092	0.3	0.3	O K
4320 min Summer	65.292	0.042	0.3	0.1	O K
5760 min Summer	65.284	0.034	0.2	0.1	O K
7200 min Summer	65.279	0.029	0.2	0.1	O K
8640 min Summer	65.275	0.025	0.2	0.1	O K
10080 min Summer	65.272	0.022	0.1	0.1	O K
15 min Winter	66.176	0.926	0.7	2.9	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
15 min Summer	116.002	0.0	17		
30 min Summer	79.998	0.0	30		
60 min Summer	52.662	0.0	48		
120 min Summer	33.322	0.0	82		
180 min Summer	24.998	0.0	116		
240 min Summer	20.313	0.0	152		
360 min Summer	15.144	0.0	218		
480 min Summer	12.271	0.0	284		
600 min Summer	10.413	0.0	346		
720 min Summer	9.099	0.0	410		
960 min Summer	7.345	0.0	532		
1440 min Summer	5.419	0.0	778		
2160 min Summer	3.986	0.0	1128		
2880 min Summer	3.200	0.0	1472		
4320 min Summer	2.349	0.0	2200		
5760 min Summer	1.888	0.0	2864		
7200 min Summer	1.594	0.0	3632		
8640 min Summer	1.389	0.0	4264		
10080 min Summer	1.237	0.0	5080		
15 min Winter	116.002	0.0	17		
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Summary of Results for 100 year Return Period (+30%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	66.427	1.177	0.8	3.7	O K
60 min Winter	66.584	1.334	0.9	4.2	O K
120 min Winter	66.615	1.365	0.9	4.3	O K
180 min Winter	66.534	1.284	0.8	4.1	O K
240 min Winter	66.440	1.190	0.8	3.8	O K
360 min Winter	66.272	1.022	0.7	3.2	O K
480 min Winter	66.126	0.876	0.7	2.8	O K
600 min Winter	66.002	0.752	0.6	2.4	O K
720 min Winter	65.896	0.646	0.6	2.1	O K
960 min Winter	65.725	0.475	0.5	1.5	O K
1440 min Winter	65.495	0.245	0.4	0.8	O K
2160 min Winter	65.307	0.057	0.3	0.2	O K
2880 min Winter	65.291	0.041	0.3	0.1	O K
4320 min Winter	65.280	0.030	0.2	0.1	O K
5760 min Winter	65.274	0.024	0.2	0.1	O K
7200 min Winter	65.271	0.021	0.1	0.1	O K
8640 min Winter	65.268	0.018	0.1	0.1	O K
10080 min Winter	65.266	0.016	0.1	0.1	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	79.998	0.0	30		
60 min Winter	52.662	0.0	50		
120 min Winter	33.322	0.0	88		
180 min Winter	24.998	0.0	126		
240 min Winter	20.313	0.0	162		
360 min Winter	15.144	0.0	232		
480 min Winter	12.271	0.0	298		
600 min Winter	10.413	0.0	364		
720 min Winter	9.099	0.0	428		
960 min Winter	7.345	0.0	552		
1440 min Winter	5.419	0.0	794		
2160 min Winter	3.986	0.0	1124		
2880 min Winter	3.200	0.0	1460		
4320 min Winter	2.349	0.0	2128		
5760 min Winter	1.888	0.0	2936		
7200 min Winter	1.594	0.0	3632		
8640 min Winter	1.389	0.0	4296		
10080 min Winter	1.237	0.0	5136		
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Event: 120 min Winter

