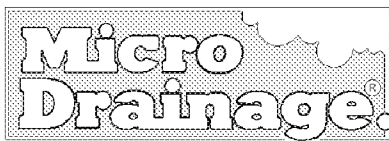


Escher Silverman			Page 1		
Lone Barn Studios Stanbridge Lane Romsey SO51 0HE		Orchard Business Park Yapton Sol & So2			
Date August 2018 File Sol & So2 100yrs...		Designed by KN Checked by			
Micro Drainage		Source Control 2013.1.1			
<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 535 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	6.443	0.243	0.0	1.2	O K
30 min Summer	6.524	0.324	0.0	1.6	O K
60 min Summer	6.608	0.408	0.0	2.0	O K
120 min Summer	6.687	0.487	0.0	2.3	O K
180 min Summer	6.724	0.524	0.1	2.5	O K
240 min Summer	6.743	0.543	0.1	2.6	O K
360 min Summer	6.758	0.558	0.1	2.7	O K
480 min Summer	6.766	0.566	0.1	2.7	O K
600 min Summer	6.772	0.572	0.1	2.7	O K
720 min Summer	6.774	0.574	0.1	2.8	O K
960 min Summer	6.774	0.574	0.1	2.8	O K
1440 min Summer	6.762	0.562	0.1	2.7	O K
2160 min Summer	6.734	0.534	0.1	2.6	O K
2880 min Summer	6.704	0.504	0.1	2.4	O K
4320 min Summer	6.650	0.450	0.0	2.2	O K
5760 min Summer	6.606	0.406	0.0	1.9	O K
15 min Winter	6.473	0.273	0.0	1.3	O K
30 min Winter	6.563	0.363	0.0	1.7	O K
60 min Winter	6.658	0.458	0.0	2.2	O K
120 min Winter	6.747	0.547	0.1	2.6	O K
180 min Winter	6.789	0.589	0.1	2.8	O K
240 min Winter	6.811	0.611	0.1	2.9	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
15 min Summer	126.074	0.0	23		
30 min Summer	84.745	0.0	38		
60 min Summer	54.368	0.0	68		
120 min Summer	33.674	0.0	126		
180 min Summer	25.065	0.0	186		
240 min Summer	20.180	0.0	244		
360 min Summer	14.839	0.0	334		
480 min Summer	11.923	0.0	388		
600 min Summer	10.054	0.0	450		
720 min Summer	8.741	0.0	516		
960 min Summer	7.003	0.0	650		
1440 min Summer	5.114	0.0	926		
2160 min Summer	3.727	0.0	1328		
2880 min Summer	2.973	0.0	1732		
4320 min Summer	2.159	0.0	2512		
5760 min Summer	1.718	0.0	3240		
15 min Winter	126.074	0.0	23		
30 min Winter	84.745	0.0	37		
60 min Winter	54.368	0.0	66		
120 min Winter	33.674	0.0	124		
180 min Winter	25.065	0.0	182		
240 min Winter	20.180	0.0	238		
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Lone Barn Studios Stanbridge Lane Romsey SO51 0HE		Orchard Business Park Yapton Sol & So2			
Date August 2018 File Sol & So2 100yrs...		Designed by KN Checked by			
Micro Drainage		Source Control 2013.1.1			
<u>Summary of Results for 100 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
360 min Winter	6.830	0.630	0.1	3.0	O K
480 min Winter	6.835	0.635	0.1	3.0	O K
600 min Winter	6.840	0.640	0.1	3.1	O K
720 min Winter	6.840	0.640	0.1	3.1	O K
960 min Winter	6.833	0.633	0.1	3.0	O K
1440 min Winter	6.807	0.607	0.1	2.9	O K
2160 min Winter	6.760	0.560	0.1	2.7	O K
2880 min Winter	6.716	0.516	0.1	2.5	O K
4320 min Winter	6.642	0.442	0.0	2.1	O K
5760 min Winter	6.586	0.386	0.0	1.9	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
360 min Winter	14.839	0.0	346		
480 min Winter	11.923	0.0	398		
600 min Winter	10.054	0.0	468		
720 min Winter	8.741	0.0	546		
960 min Winter	7.003	0.0	698		
1440 min Winter	5.114	0.0	998		
2160 min Winter	3.727	0.0	1412		
2880 min Winter	2.973	0.0	1824		
4320 min Winter	2.159	0.0	2640		
5760 min Winter	1.718	0.0	3400		
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