

Polypipe Civils				Page 1																																																																																																																																																																																																																			
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<p align="center"><u>Summary of Results for 10 year Return Period (+40%)</u></p> <p align="center">Half Drain Time : 229 minutes.</p> <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>98.753</td><td>0.153</td><td>0.1</td><td>1.1</td><td>O K</td></tr><tr><td>30 min Summer</td><td>98.796</td><td>0.196</td><td>0.1</td><td>1.4</td><td>O K</td></tr><tr><td>60 min Summer</td><td>98.838</td><td>0.238</td><td>0.1</td><td>1.7</td><td>O K</td></tr><tr><td>120 min Summer</td><td>98.868</td><td>0.268</td><td>0.1</td><td>1.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>98.877</td><td>0.277</td><td>0.1</td><td>2.0</td><td>O K</td></tr><tr><td>240 min Summer</td><td>98.880</td><td>0.280</td><td>0.1</td><td>2.0</td><td>O K</td></tr><tr><td>360 min Summer</td><td>98.879</td><td>0.279</td><td>0.1</td><td>2.0</td><td>O K</td></tr><tr><td>480 min 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Date 01/09/20		Designed by TR			
File T-MD-44977_TR_MD1_RevA ...		Checked by			
Micro Drainage		Source Control 2016.1			
<u>Summary of Results for 10 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	98.821	0.221	0.1	1.6	O K
60 min Winter	98.869	0.269	0.1	1.9	O K
120 min Winter	98.907	0.307	0.1	2.2	O K
180 min Winter	98.919	0.319	0.1	2.3	O K
240 min Winter	98.921	0.321	0.1	2.3	O K
360 min Winter	98.919	0.319	0.1	2.3	O K
480 min Winter	98.911	0.311	0.1	2.2	O K
600 min Winter	98.901	0.301	0.1	2.1	O K
720 min Winter	98.889	0.289	0.1	2.1	O K
960 min Winter	98.863	0.263	0.1	1.9	O K
1440 min Winter	98.814	0.214	0.1	1.5	O K
2160 min Winter	98.751	0.151	0.1	1.1	O K
2880 min Winter	98.701	0.101	0.1	0.7	O K
4320 min Winter	98.649	0.049	0.1	0.3	O K
5760 min Winter	98.640	0.040	0.1	0.3	O K
7200 min Winter	98.634	0.034	0.0	0.2	O K
8640 min Winter	98.630	0.030	0.0	0.2	O K
10080 min Winter	98.627	0.027	0.0	0.2	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	50.290	0.0	32		
60 min Winter	31.908	0.0	62		
120 min Winter	19.755	0.0	118		
180 min Winter	14.804	0.0	174		
240 min Winter	12.028	0.0	224		
360 min Winter	8.957	0.0	278		
480 min Winter	7.262	0.0	356		
600 min Winter	6.168	0.0	434		
720 min Winter	5.396	0.0	508		
960 min Winter	4.369	0.0	654		
1440 min Winter	3.241	0.0	936		
2160 min Winter	2.402	0.0	1320		
2880 min Winter	1.942	0.0	1672		
4320 min Winter	1.437	0.0	2220		
5760 min Winter	1.161	0.0	2992		
7200 min Winter	0.983	0.0	3680		
8640 min Winter	0.859	0.0	4408		
10080 min Winter	0.766	0.0	5120		
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Model Details

Storage is Online Cover Level (m) 100.000

Cellular Storage Structure

Invert Level (m) 98.600 Safety Factor 1.5
Infiltration Coefficient Base (m/hr) 0.04561 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.04561

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	7.5	7.5	0.500	0.0	11.9
0.400	7.5	11.9			

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