

Robert Clark Associates				Page 1																																																																																																																																																																																																																			
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<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 1432 minutes. <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>6.105</td><td>0.105</td><td>0.0</td><td>1.0</td><td>O K</td></tr><tr><td>30 min Summer</td><td>6.141</td><td>0.141</td><td>0.0</td><td>1.3</td><td>O K</td></tr><tr><td>60 min Summer</td><td>6.179</td><td>0.179</td><td>0.0</td><td>1.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>6.218</td><td>0.218</td><td>0.0</td><td>2.0</td><td>O K</td></tr><tr><td>180 min Summer</td><td>6.239</td><td>0.239</td><td>0.0</td><td>2.2</td><td>O K</td></tr><tr><td>240 min Summer</td><td>6.252</td><td>0.252</td><td>0.0</td><td>2.3</td><td>O K</td></tr><tr><td>360 min Summer</td><td>6.270</td><td>0.270</td><td>0.0</td><td>2.4</td><td>O K</td></tr><tr><td>480 min Summer</td><td>6.281</td><td>0.281</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>600 min Summer</td><td>6.287</td><td>0.287</td><td>0.0</td><td>2.6</td><td>O K</td></tr><tr><td>720 min Summer</td><td>6.291</td><td>0.291</td><td>0.0</td><td>2.6</td><td>O K</td></tr><tr><td>960 min Summer</td><td>6.293</td><td>0.293</td><td>0.0</td><td>2.6</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>6.291</td><td>0.291</td><td>0.0</td><td>2.6</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>6.285</td><td>0.285</td><td>0.0</td><td>2.6</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>6.276</td><td>0.276</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>6.256</td><td>0.256</td><td>0.0</td><td>2.3</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>6.236</td><td>0.236</td><td>0.0</td><td>2.1</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>6.217</td><td>0.217</td><td>0.0</td><td>2.0</td><td>O K</td></tr><tr><td>8640 min 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Summer	6.141	0.141	0.0	1.3	O K	60 min Summer	6.179	0.179	0.0	1.6	O K	120 min Summer	6.218	0.218	0.0	2.0	O K	180 min Summer	6.239	0.239	0.0	2.2	O K	240 min Summer	6.252	0.252	0.0	2.3	O K	360 min Summer	6.270	0.270	0.0	2.4	O K	480 min Summer	6.281	0.281	0.0	2.5	O K	600 min Summer	6.287	0.287	0.0	2.6	O K	720 min Summer	6.291	0.291	0.0	2.6	O K	960 min Summer	6.293	0.293	0.0	2.6	O K	1440 min Summer	6.291	0.291	0.0	2.6	O K	2160 min Summer	6.285	0.285	0.0	2.6	O K	2880 min Summer	6.276	0.276	0.0	2.5	O K	4320 min Summer	6.256	0.256	0.0	2.3	O K	5760 min Summer	6.236	0.236	0.0	2.1	O K	7200 min Summer	6.217	0.217	0.0	2.0	O K	8640 min Summer	6.200	0.200	0.0	1.8	O K	10080 min Summer	6.184	0.184	0.0	1.7	O K	15 min Winter	6.118	0.118	0.0	1.1	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	128.238	0.0	19	30 min Summer	86.178	0.0	34	60 min Summer	55.250	0.0	64	120 min Summer	34.177	0.0	124	180 min Summer	25.410	0.0	182	240 min Summer	20.436	0.0	242	360 min 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2160 min Winter	6.325	0.325	0.0	2.9	O K																																																																																																																																																																																														
2880 min Winter	6.312	0.312	0.0	2.8	O K																																																																																																																																																																																														
4320 min Winter	6.283	0.283	0.0	2.6	O K																																																																																																																																																																																														
5760 min Winter	6.254	0.254	0.0	2.3	O K																																																																																																																																																																																														
7200 min Winter	6.226	0.226	0.0	2.0	O K																																																																																																																																																																																														
8640 min Winter	6.201	0.201	0.0	1.8	O K																																																																																																																																																																																														
10080 min Winter	6.179	0.179	0.0	1.6	O K																																																																																																																																																																																														
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																
30 min Winter	86.178	0.0	33																																																																																																																																																																																																
60 min Winter	55.250	0.0	64																																																																																																																																																																																																
120 min Winter	34.177	0.0	122																																																																																																																																																																																																
180 min Winter	25.410	0.0	180																																																																																																																																																																																																
240 min Winter	20.436	0.0	240																																																																																																																																																																																																
360 min Winter	15.037	0.0	356																																																																																																																																																																																																
480 min Winter	12.081	0.0	472																																																																																																																																																																																																
600 min Winter	10.185	0.0	588																																																																																																																																																																																																
720 min Winter	8.854	0.0	700																																																																																																																																																																																																
960 min Winter	7.093	0.0	924																																																																																																																																																																																																
1440 min Winter	5.178	0.0	1340																																																																																																																																																																																																
2160 min Winter	3.772	0.0	1664																																																																																																																																																																																																
2880 min Winter	3.009	0.0	2132																																																																																																																																																																																																
4320 min Winter	2.184	0.0	3028																																																																																																																																																																																																
5760 min Winter	1.738	0.0	3920																																																																																																																																																																																																
7200 min Winter	1.455	0.0	4752																																																																																																																																																																																																
8640 min Winter	1.260	0.0	5536																																																																																																																																																																																																
10080 min Winter	1.115	0.0	6352																																																																																																																																																																																																
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Robert Clark Associates		Page 3																														
Willow Cottage Herne Lane Rustington BN16 3EE	The Maypole Inn Maypole Lane Yapton																															
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<u>Model Details</u> Storage is Online Cover Level (m) 7.500 <u>Cellular Storage Structure</u> Invert Level (m) 6.000 Safety Factor 3.0 Infiltration Coefficient Base (m/hr) 0.01296 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.01296 <table border="1"> <thead> <tr> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> <th>Depth (m)</th> <th>Area (m²)</th> <th>Inf. Area (m²)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>9.5</td> <td>9.5</td> <td>0.500</td> <td>0.0</td> <td>17.9</td> </tr> <tr> <td>0.400</td> <td>9.5</td> <td>17.9</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	0.000	9.5	9.5	0.500	0.0	17.9	0.400	9.5	17.9			
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