

Robert Clark Associates				Page 1																																																																																																																																																																																																																				
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<u>Summary of Results for 1 year Return Period (+45%)</u> Half Drain Time : 79 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>12.204</td><td>0.229</td><td>0.4</td><td>2.6</td><td>O K</td></tr><tr><td>30 min Summer</td><td>12.262</td><td>0.287</td><td>0.5</td><td>3.2</td><td>O K</td></tr><tr><td>60 min Summer</td><td>12.315</td><td>0.340</td><td>0.5</td><td>3.9</td><td>O K</td></tr><tr><td>120 min Summer</td><td>12.366</td><td>0.391</td><td>0.6</td><td>4.4</td><td>O K</td></tr><tr><td>180 min Summer</td><td>12.391</td><td>0.416</td><td>0.7</td><td>4.7</td><td>O K</td></tr><tr><td>240 min Summer</td><td>12.403</td><td>0.428</td><td>0.7</td><td>4.9</td><td>O K</td></tr><tr><td>360 min Summer</td><td>12.409</td><td>0.434</td><td>0.7</td><td>4.9</td><td>O K</td></tr><tr><td>480 min Summer</td><td>12.405</td><td>0.430</td><td>0.7</td><td>4.9</td><td>O K</td></tr><tr><td>600 min Summer</td><td>12.396</td><td>0.421</td><td>0.7</td><td>4.8</td><td>O K</td></tr><tr><td>720 min Summer</td><td>12.386</td><td>0.411</td><td>0.7</td><td>4.7</td><td>O K</td></tr><tr><td>960 min Summer</td><td>12.349</td><td>0.374</td><td>0.6</td><td>4.2</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>12.294</td><td>0.319</td><td>0.5</td><td>3.6</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>12.240</td><td>0.265</td><td>0.4</td><td>3.0</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>12.202</td><td>0.227</td><td>0.4</td><td>2.6</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>12.166</td><td>0.191</td><td>0.3</td><td>2.2</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>12.141</td><td>0.166</td><td>0.3</td><td>1.9</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>12.123</td><td>0.148</td><td>0.2</td><td>1.7</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>12.110</td><td>0.135</td><td>0.2</td><td>1.5</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>12.099</td><td>0.124</td><td>0.2</td><td>1.4</td><td>O K</td></tr><tr><td>15 min Winter</td><td>12.205</td><td>0.230</td><td>0.4</td><td>2.6</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>33.968</td><td>0.0</td><td>18</td></tr><tr><td>30 min Summer</td><td>22.488</td><td>0.0</td><td>31</td></tr><tr><td>60 min Summer</td><td>14.888</td><td>0.0</td><td>54</td></tr><tr><td>120 min Summer</td><td>9.857</td><td>0.0</td><td>86</td></tr><tr><td>180 min Summer</td><td>7.744</td><td>0.0</td><td>120</td></tr><tr><td>240 min Summer</td><td>6.526</td><td>0.0</td><td>154</td></tr><tr><td>360 min Summer</td><td>5.127</td><td>0.0</td><td>220</td></tr><tr><td>480 min Summer</td><td>4.320</td><td>0.0</td><td>286</td></tr><tr><td>600 min Summer</td><td>3.783</td><td>0.0</td><td>350</td></tr><tr><td>720 min Summer</td><td>3.394</td><td>0.0</td><td>414</td></tr><tr><td>960 min Summer</td><td>2.746</td><td>0.0</td><td>540</td></tr><tr><td>1440 min Summer</td><td>2.036</td><td>0.0</td><td>782</td></tr><tr><td>2160 min Summer</td><td>1.510</td><td>0.0</td><td>1148</td></tr><tr><td>2880 min Summer</td><td>1.222</td><td>0.0</td><td>1524</td></tr><tr><td>4320 min Summer</td><td>0.956</td><td>0.0</td><td>2248</td></tr><tr><td>5760 min Summer</td><td>0.803</td><td>0.0</td><td>2944</td></tr><tr><td>7200 min Summer</td><td>0.702</td><td>0.0</td><td>3680</td></tr><tr><td>8640 min Summer</td><td>0.629</td><td>0.0</td><td>4408</td></tr><tr><td>10080 min Summer</td><td>0.573</td><td>0.0</td><td>5144</td></tr><tr><td>15 min Winter</td><td>33.968</td><td>0.0</td><td>17</td></tr></tbody></table>							Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	12.204	0.229	0.4	2.6	O K	30 min Summer	12.262	0.287	0.5	3.2	O K	60 min Summer	12.315	0.340	0.5	3.9	O K	120 min Summer	12.366	0.391	0.6	4.4	O K	180 min Summer	12.391	0.416	0.7	4.7	O K	240 min Summer	12.403	0.428	0.7	4.9	O K	360 min Summer	12.409	0.434	0.7	4.9	O K	480 min Summer	12.405	0.430	0.7	4.9	O K	600 min Summer	12.396	0.421	0.7	4.8	O K	720 min Summer	12.386	0.411	0.7	4.7	O K	960 min Summer	12.349	0.374	0.6	4.2	O K	1440 min Summer	12.294	0.319	0.5	3.6	O K	2160 min Summer	12.240	0.265	0.4	3.0	O K	2880 min Summer	12.202	0.227	0.4	2.6	O K	4320 min Summer	12.166	0.191	0.3	2.2	O K	5760 min Summer	12.141	0.166	0.3	1.9	O K	7200 min Summer	12.123	0.148	0.2	1.7	O K	8640 min Summer	12.110	0.135	0.2	1.5	O K	10080 min Summer	12.099	0.124	0.2	1.4	O K	15 min Winter	12.205	0.230	0.4	2.6	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	33.968	0.0	18	30 min Summer	22.488	0.0	31	60 min Summer	14.888	0.0	54	120 min Summer	9.857	0.0	86	180 min Summer	7.744	0.0	120	240 min Summer	6.526	0.0	154	360 min 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2160 min Winter	12.175	0.200	0.3	2.3	O K																																																																																																																																																																																														
2880 min Winter	12.141	0.166	0.3	1.9	O K																																																																																																																																																																																														
4320 min Winter	12.108	0.133	0.2	1.5	O K																																																																																																																																																																																														
5760 min Winter	12.088	0.113	0.2	1.3	O K																																																																																																																																																																																														
7200 min Winter	12.075	0.100	0.2	1.1	O K																																																																																																																																																																																														
8640 min Winter	12.065	0.090	0.1	1.0	O K																																																																																																																																																																																														
10080 min Winter	12.057	0.082	0.1	0.9	O K																																																																																																																																																																																														
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																
30 min Winter	22.488	0.0	31																																																																																																																																																																																																
60 min Winter	14.888	0.0	58																																																																																																																																																																																																
120 min Winter	9.857	0.0	90																																																																																																																																																																																																
180 min Winter	7.744	0.0	128																																																																																																																																																																																																
240 min Winter	6.526	0.0	164																																																																																																																																																																																																
360 min Winter	5.127	0.0	234																																																																																																																																																																																																
480 min Winter	4.320	0.0	302																																																																																																																																																																																																
600 min Winter	3.783	0.0	368																																																																																																																																																																																																
720 min Winter	3.394	0.0	434																																																																																																																																																																																																
960 min Winter	2.746	0.0	560																																																																																																																																																																																																
1440 min Winter	2.036	0.0	808																																																																																																																																																																																																
2160 min Winter	1.510	0.0	1172																																																																																																																																																																																																
2880 min Winter	1.222	0.0	1532																																																																																																																																																																																																
4320 min Winter	0.956	0.0	2252																																																																																																																																																																																																
5760 min Winter	0.803	0.0	2992																																																																																																																																																																																																
7200 min Winter	0.702	0.0	3680																																																																																																																																																																																																
8640 min Winter	0.629	0.0	4408																																																																																																																																																																																																
10080 min Winter	0.573	0.0	5144																																																																																																																																																																																																
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