

Robert Clark Associates				Page 1																																																																																																																																																																																																																			
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<u>Summary of Results for 10 year Return Period (+40%)</u> Half Drain Time : 66 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>10.621</td><td>0.521</td><td>0.2</td><td>1.5</td><td>○ K</td></tr><tr><td>30 min Summer</td><td>10.747</td><td>0.647</td><td>0.3</td><td>1.8</td><td>○ K</td></tr><tr><td>60 min Summer</td><td>10.832</td><td>0.732</td><td>0.3</td><td>2.1</td><td>○ K</td></tr><tr><td>120 min Summer</td><td>10.886</td><td>0.786</td><td>0.4</td><td>2.2</td><td>○ K</td></tr><tr><td>180 min Summer</td><td>10.892</td><td>0.792</td><td>0.4</td><td>2.2</td><td>○ K</td></tr><tr><td>240 min Summer</td><td>10.881</td><td>0.781</td><td>0.4</td><td>2.2</td><td>○ K</td></tr><tr><td>360 min Summer</td><td>10.843</td><td>0.743</td><td>0.4</td><td>2.1</td><td>○ K</td></tr><tr><td>480 min Summer</td><td>10.802</td><td>0.702</td><td>0.3</td><td>2.0</td><td>○ K</td></tr><tr><td>600 min Summer</td><td>10.763</td><td>0.663</td><td>0.3</td><td>1.9</td><td>○ K</td></tr><tr><td>720 min Summer</td><td>10.728</td><td>0.628</td><td>0.3</td><td>1.8</td><td>○ K</td></tr><tr><td>960 min Summer</td><td>10.669</td><td>0.569</td><td>0.3</td><td>1.6</td><td>○ K</td></tr><tr><td>1440 min Summer</td><td>10.581</td><td>0.481</td><td>0.2</td><td>1.4</td><td>○ K</td></tr><tr><td>2160 min Summer</td><td>10.495</td><td>0.395</td><td>0.2</td><td>1.1</td><td>○ K</td></tr><tr><td>2880 min Summer</td><td>10.438</td><td>0.338</td><td>0.2</td><td>1.0</td><td>○ K</td></tr><tr><td>4320 min Summer</td><td>10.366</td><td>0.266</td><td>0.1</td><td>0.8</td><td>○ K</td></tr><tr><td>5760 min Summer</td><td>10.322</td><td>0.222</td><td>0.1</td><td>0.6</td><td>○ K</td></tr><tr><td>7200 min Summer</td><td>10.293</td><td>0.193</td><td>0.1</td><td>0.5</td><td>○ K</td></tr><tr><td>8640 min Summer</td><td>10.271</td><td>0.171</td><td>0.1</td><td>0.5</td><td>○ K</td></tr><tr><td>10080 min Summer</td><td>10.254</td><td>0.154</td><td>0.1</td><td>0.4</td><td>○ K</td></tr><tr><td>15 min Winter</td><td>10.685</td><td>0.585</td><td>0.3</td><td>1.7</td><td>○ 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>78.197</td><td>0.0</td><td>17</td></tr><tr><td>30 min Summer</td><td>51.875</td><td>0.0</td><td>31</td></tr><tr><td>60 min Summer</td><td>33.096</td><td>0.0</td><td>50</td></tr><tr><td>120 min Summer</td><td>20.597</td><td>0.0</td><td>82</td></tr><tr><td>180 min Summer</td><td>15.477</td><td>0.0</td><td>118</td></tr><tr><td>240 min Summer</td><td>12.598</td><td>0.0</td><td>150</td></tr><tr><td>360 min Summer</td><td>9.418</td><td>0.0</td><td>218</td></tr><tr><td>480 min Summer</td><td>7.653</td><td>0.0</td><td>282</td></tr><tr><td>600 min 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Summer	10.747	0.647	0.3	1.8	○ K	60 min Summer	10.832	0.732	0.3	2.1	○ K	120 min Summer	10.886	0.786	0.4	2.2	○ K	180 min Summer	10.892	0.792	0.4	2.2	○ K	240 min Summer	10.881	0.781	0.4	2.2	○ K	360 min Summer	10.843	0.743	0.4	2.1	○ K	480 min Summer	10.802	0.702	0.3	2.0	○ K	600 min Summer	10.763	0.663	0.3	1.9	○ K	720 min Summer	10.728	0.628	0.3	1.8	○ K	960 min Summer	10.669	0.569	0.3	1.6	○ K	1440 min Summer	10.581	0.481	0.2	1.4	○ K	2160 min Summer	10.495	0.395	0.2	1.1	○ K	2880 min Summer	10.438	0.338	0.2	1.0	○ K	4320 min Summer	10.366	0.266	0.1	0.8	○ K	5760 min Summer	10.322	0.222	0.1	0.6	○ K	7200 min Summer	10.293	0.193	0.1	0.5	○ K	8640 min Summer	10.271	0.171	0.1	0.5	○ K	10080 min Summer	10.254	0.154	0.1	0.4	○ K	15 min Winter	10.685	0.585	0.3	1.7	○ K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	78.197	0.0	17	30 min Summer	51.875	0.0	31	60 min Summer	33.096	0.0	50	120 min Summer	20.597	0.0	82	180 min Summer	15.477	0.0	118	240 min Summer	12.598	0.0	150	360 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720 min Winter	10.698	0.598	0.3	1.7	○ K																																																																																																																																																																																														
960 min Winter	10.622	0.522	0.2	1.5	○ K																																																																																																																																																																																														
1440 min Winter	10.520	0.420	0.2	1.2	○ K																																																																																																																																																																																														
2160 min Winter	10.428	0.328	0.2	0.9	○ K																																																																																																																																																																																														
2880 min Winter	10.372	0.272	0.1	0.8	○ K																																																																																																																																																																																														
4320 min Winter	10.306	0.206	0.1	0.6	○ K																																																																																																																																																																																														
5760 min Winter	10.268	0.168	0.1	0.5	○ K																																																																																																																																																																																														
7200 min Winter	10.243	0.143	0.1	0.4	○ K																																																																																																																																																																																														
8640 min Winter	10.226	0.126	0.1	0.4	○ K																																																																																																																																																																																														
10080 min Winter	10.213	0.113	0.1	0.3	○ K																																																																																																																																																																																														
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																
30 min Winter	51.875	0.0	31																																																																																																																																																																																																
60 min Winter	33.096	0.0	52																																																																																																																																																																																																
120 min Winter	20.587	0.0	88																																																																																																																																																																																																
180 min Winter	15.477	0.0	126																																																																																																																																																																																																
240 min Winter	12.598	0.0	162																																																																																																																																																																																																
360 min Winter	9.418	0.0	230																																																																																																																																																																																																
480 min Winter	7.653	0.0	296																																																																																																																																																																																																
600 min Winter	6.513	0.0	362																																																																																																																																																																																																
720 min Winter	5.706	0.0	426																																																																																																																																																																																																
960 min Winter	4.630	0.0	550																																																																																																																																																																																																
1440 min Winter	3.446	0.0	796																																																																																																																																																																																																
2160 min Winter	2.562	0.0	1168																																																																																																																																																																																																
2880 min Winter	2.076	0.0	1528																																																																																																																																																																																																
4320 min Winter	1.542	0.0	2248																																																																																																																																																																																																
5760 min Winter	1.248	0.0	2952																																																																																																																																																																																																
7200 min Winter	1.059	0.0	3680																																																																																																																																																																																																
8640 min Winter	0.927	0.0	4408																																																																																																																																																																																																
10080 min Winter	0.828	0.0	5136																																																																																																																																																																																																
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Micro Drainage		Source Control 2016.1																														
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