

Robert Clark Associates					Page 1																																																																																																																																																																																																																			
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Summary of Results for 100 year Return Period (+40%) Half Drain Time : 173 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>8.125</td><td>1.025</td><td>0.6</td><td>9.0</td><td>0 K</td></tr><tr><td>30 min Summer</td><td>8.437</td><td>1.337</td><td>0.8</td><td>11.7</td><td>0 K</td></tr><tr><td>60 min Summer</td><td>8.716</td><td>1.616</td><td>1.0</td><td>14.2</td><td>0 K</td></tr><tr><td>120 min Summer</td><td>8.888</td><td>1.788</td><td>1.1</td><td>15.7</td><td>0 K</td></tr><tr><td>180 min Summer</td><td>8.948</td><td>1.848</td><td>1.2</td><td>16.2</td><td>0 K</td></tr><tr><td>240 min Summer</td><td>8.967</td><td>1.867</td><td>1.2</td><td>16.4</td><td>0 K</td></tr><tr><td>360 min Summer</td><td>8.958</td><td>1.858</td><td>1.2</td><td>16.3</td><td>0 K</td></tr><tr><td>480 min Summer</td><td>8.923</td><td>1.823</td><td>1.1</td><td>16.0</td><td>0 K</td></tr><tr><td>600 min Summer</td><td>8.876</td><td>1.776</td><td>1.1</td><td>15.6</td><td>0 K</td></tr><tr><td>720 min Summer</td><td>8.825</td><td>1.725</td><td>1.1</td><td>15.1</td><td>0 K</td></tr><tr><td>960 min Summer</td><td>8.722</td><td>1.622</td><td>1.0</td><td>14.2</td><td>0 K</td></tr><tr><td>1440 min Summer</td><td>8.541</td><td>1.441</td><td>0.9</td><td>12.6</td><td>0 K</td></tr><tr><td>2160 min Summer</td><td>8.335</td><td>1.235</td><td>0.8</td><td>10.8</td><td>0 K</td></tr><tr><td>2880 min Summer</td><td>8.185</td><td>1.085</td><td>0.7</td><td>9.5</td><td>0 K</td></tr><tr><td>4320 min Summer</td><td>7.981</td><td>0.881</td><td>0.6</td><td>7.7</td><td>0 K</td></tr><tr><td>5760 min Summer</td><td>7.845</td><td>0.745</td><td>0.5</td><td>6.5</td><td>0 K</td></tr><tr><td>7200 min Summer</td><td>7.750</td><td>0.650</td><td>0.4</td><td>5.7</td><td>0 K</td></tr><tr><td>8640 min Summer</td><td>7.678</td><td>0.578</td><td>0.4</td><td>5.1</td><td>0 K</td></tr><tr><td>10080 min Summer</td><td>7.621</td><td>0.521</td><td>0.3</td><td>4.6</td><td>0 K</td></tr><tr><td>15 min Winter</td><td>8.249</td><td>1.149</td><td>0.7</td><td>10.1</td><td>0 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>124.633</td><td>0.0</td><td>18</td></tr><tr><td>30 min Summer</td><td>83.789</td><td>0.0</td><td>33</td></tr><tr><td>60 min Summer</td><td>53.779</td><td>0.0</td><td>62</td></tr><tr><td>120 min Summer</td><td>33.337</td><td>0.0</td><td>104</td></tr><tr><td>180 min Summer</td><td>24.832</td><td>0.0</td><td>134</td></tr><tr><td>240 min Summer</td><td>20.006</td><td>0.0</td><td>168</td></tr><tr><td>360 min Summer</td><td>14.706</td><td>0.0</td><td>236</td></tr><tr><td>480 min Summer</td><td>11.818</td><td>0.0</td><td>304</td></tr><tr><td>600 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Summer	8.437	1.337	0.8	11.7	0 K	60 min Summer	8.716	1.616	1.0	14.2	0 K	120 min Summer	8.888	1.788	1.1	15.7	0 K	180 min Summer	8.948	1.848	1.2	16.2	0 K	240 min Summer	8.967	1.867	1.2	16.4	0 K	360 min Summer	8.958	1.858	1.2	16.3	0 K	480 min Summer	8.923	1.823	1.1	16.0	0 K	600 min Summer	8.876	1.776	1.1	15.6	0 K	720 min Summer	8.825	1.725	1.1	15.1	0 K	960 min Summer	8.722	1.622	1.0	14.2	0 K	1440 min Summer	8.541	1.441	0.9	12.6	0 K	2160 min Summer	8.335	1.235	0.8	10.8	0 K	2880 min Summer	8.185	1.085	0.7	9.5	0 K	4320 min Summer	7.981	0.881	0.6	7.7	0 K	5760 min Summer	7.845	0.745	0.5	6.5	0 K	7200 min Summer	7.750	0.650	0.4	5.7	0 K	8640 min Summer	7.678	0.578	0.4	5.1	0 K	10080 min Summer	7.621	0.521	0.3	4.6	0 K	15 min Winter	8.249	1.149	0.7	10.1	0 K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	124.633	0.0	18	30 min Summer	83.789	0.0	33	60 min Summer	53.779	0.0	62	120 min Summer	33.337	0.0	104	180 min Summer	24.832	0.0	134	240 min Summer	20.006	0.0	168	360 min 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Date 18 May 2018 File 4 conc rings in rear.SRCX		Designed by RTFC Checked by			
Micro Drainage		Source Control 2016.1			
Summary of Results for 100 year Return Period (+40%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	8.602	1.502	0.9	13.2	0 K
60 min Winter	8.918	1.818	1.1	15.9	0 K
120 min Winter	9.245	2.145	1.2	17.8	0 K
180 min Winter	9.349	2.249	1.2	18.2	Flood Risk
240 min Winter	9.364	2.264	1.2	18.3	Flood Risk
360 min Winter	9.266	2.166	1.2	17.9	0 K
480 min Winter	9.109	2.009	1.2	17.1	0 K
600 min Winter	8.971	1.871	1.2	16.4	0 K
720 min Winter	8.891	1.791	1.1	15.7	0 K
960 min Winter	8.741	1.641	1.0	14.4	0 K
1440 min Winter	8.498	1.398	0.9	12.3	0 K
2160 min Winter	8.241	1.141	0.7	10.0	0 K
2880 min Winter	8.067	0.967	0.6	8.5	0 K
4320 min Winter	7.845	0.745	0.5	6.5	0 K
5760 min Winter	7.710	0.610	0.4	5.3	0 K
7200 min Winter	7.619	0.519	0.3	4.5	0 K
8640 min Winter	7.553	0.453	0.3	4.0	0 K
10080 min Winter	7.504	0.404	0.3	3.5	0 K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	83.789	0.0	32		
60 min Winter	53.779	0.0	60		
120 min Winter	33.337	0.0	114		
180 min Winter	24.832	0.0	144		
240 min Winter	20.006	0.0	182		
360 min Winter	14.706	0.0	256		
480 min Winter	11.818	0.0	328		
600 min Winter	9.966	0.0	398		
720 min Winter	8.665	0.0	468		
960 min Winter	6.943	0.0	600		
1440 min Winter	5.071	0.0	866		
2160 min Winter	3.696	0.0	1252		
2880 min Winter	2.949	0.0	1616		
4320 min Winter	2.142	0.0	2336		
5760 min Winter	1.705	0.0	3064		
7200 min Winter	1.427	0.0	3816		
8640 min Winter	1.235	0.0	4504		
10080 min Winter	1.093	0.0	5248		
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