

Robert Clark Associates				Page 1																																																																																																																																																																																																																			
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Summary of Results for 100 year Return Period (+30%) Half Drain Time : 259 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>3.882</td><td>0.182</td><td>0.1</td><td>1.0</td><td>0 K</td></tr><tr><td>30 min Summer</td><td>3.939</td><td>0.239</td><td>0.1</td><td>1.4</td><td>0 K</td></tr><tr><td>60 min Summer</td><td>3.994</td><td>0.294</td><td>0.1</td><td>1.7</td><td>0 K</td></tr><tr><td>120 min Summer</td><td>4.036</td><td>0.336</td><td>0.1</td><td>1.9</td><td>0 K</td></tr><tr><td>180 min Summer</td><td>4.047</td><td>0.347</td><td>0.1</td><td>2.0</td><td>0 K</td></tr><tr><td>240 min Summer</td><td>4.048</td><td>0.348</td><td>0.1</td><td>2.0</td><td>0 K</td></tr><tr><td>360 min Summer</td><td>4.043</td><td>0.343</td><td>0.1</td><td>2.0</td><td>0 K</td></tr><tr><td>480 min 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Summer	3.939	0.239	0.1	1.4	0 K	60 min Summer	3.994	0.294	0.1	1.7	0 K	120 min Summer	4.036	0.336	0.1	1.9	0 K	180 min Summer	4.047	0.347	0.1	2.0	0 K	240 min Summer	4.048	0.348	0.1	2.0	0 K	360 min Summer	4.043	0.343	0.1	2.0	0 K	480 min Summer	4.036	0.336	0.1	1.9	0 K	600 min Summer	4.027	0.327	0.1	1.9	0 K	720 min Summer	4.017	0.317	0.1	1.8	0 K	960 min Summer	3.996	0.296	0.1	1.7	0 K	1440 min Summer	3.957	0.257	0.1	1.5	0 K	2160 min Summer	3.906	0.206	0.1	1.2	0 K	2880 min Summer	3.864	0.164	0.1	0.9	0 K	4320 min Summer	3.804	0.104	0.1	0.6	0 K	5760 min Summer	3.766	0.066	0.1	0.4	0 K	7200 min Summer	3.749	0.049	0.1	0.3	0 K	8640 min Summer	3.743	0.043	0.0	0.2	0 K	10080 min Summer	3.738	0.038	0.0	0.2	0 K	15 min Winter	3.905	0.205	0.1	1.2	0 K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	115.731	0.0	18	30 min Summer	77.804	0.0	33	60 min Summer	49.937	0.0	62	120 min Summer	30.956	0.0	122	180 min Summer	23.058	0.0	178	240 min Summer	18.577	0.0	204	360 min 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Date 12.2.18 File Geocell front.SRCX	Designed by RTFC Checked by	
Micro Drainage	Source Control 2016.1	

Summary of Results for 100 year Return Period (+30%)

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	3.970	0.270	0.1	1.5	0 K
60 min Winter	4.033	0.333	0.1	1.9	0 K
120 min Winter	4.083	0.383	0.1	2.2	0 K
180 min Winter	4.099	0.399	0.1	2.3	0 K
240 min Winter	4.100	0.400	0.1	2.3	0 K
360 min Winter	4.093	0.393	0.1	2.2	0 K
480 min Winter	4.082	0.382	0.1	2.2	0 K
600 min Winter	4.069	0.369	0.1	2.1	0 K
720 min Winter	4.054	0.354	0.1	2.0	0 K
960 min Winter	4.023	0.323	0.1	1.8	0 K
1440 min Winter	3.965	0.265	0.1	1.5	0 K
2160 min Winter	3.892	0.192	0.1	1.1	0 K
2880 min Winter	3.835	0.135	0.1	0.8	0 K
4320 min Winter	3.761	0.061	0.1	0.3	0 K
5760 min Winter	3.743	0.043	0.0	0.2	0 K
7200 min Winter	3.736	0.036	0.0	0.2	0 K
8640 min Winter	3.732	0.032	0.0	0.2	0 K
10080 min Winter	3.728	0.028	0.0	0.2	0 K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
30 min Winter	77.804	0.0	32
60 min Winter	49.937	0.0	62
120 min Winter	30.956	0.0	118
180 min Winter	23.058	0.0	174
240 min Winter	18.577	0.0	226
360 min Winter	13.656	0.0	282
480 min Winter	10.974	0.0	360
600 min Winter	9.254	0.0	436
720 min Winter	8.046	0.0	512
960 min Winter	6.447	0.0	658
1440 min Winter	4.709	0.0	938
2160 min Winter	3.432	0.0	1340
2880 min Winter	2.739	0.0	1704
4320 min Winter	1.989	0.0	2336
5760 min Winter	1.583	0.0	2944
7200 min Winter	1.325	0.0	3680
8640 min Winter	1.147	0.0	4408
10080 min Winter	1.015	0.0	5136

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<u>Model Details</u> Storage is Online Cover Level (m) 4.550 <u>Cellular Storage Structure</u> Invert Level (m) 3.700 Infiltration Coefficient Base (m/hr) 0.04400 Infiltration Coefficient Side (m/hr) 0.04400 Safety Factor 1.5 Porosity 0.95 <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Depth (m)</th> <th style="text-align: left;">Area (m²)</th> <th style="text-align: left;">Inf. Area (m²)</th> <th style="text-align: left;">Depth (m)</th> <th style="text-align: left;">Area (m²)</th> <th style="text-align: left;">Inf. Area (m²)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>6.0</td> <td>6.0</td> <td>0.500</td> <td>0.0</td> <td>10.4</td> </tr> <tr> <td>0.400</td> <td>6.0</td> <td>10.4</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	6.0	6.0	0.500	0.0	10.4	0.400	6.0	10.4			
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