

Robert Clark Associates				Page 1																																																																																																																																																																																																																			
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<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 853 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>3.042</td><td>0.242</td><td>0.0</td><td>1.2</td><td>0 K</td></tr><tr><td>30 min Summer</td><td>3.123</td><td>0.323</td><td>0.0</td><td>1.5</td><td>0 K</td></tr><tr><td>60 min Summer</td><td>3.209</td><td>0.409</td><td>0.0</td><td>1.9</td><td>0 K</td></tr><tr><td>120 min Summer</td><td>3.292</td><td>0.492</td><td>0.0</td><td>2.3</td><td>0 K</td></tr><tr><td>180 min Summer</td><td>3.336</td><td>0.536</td><td>0.0</td><td>2.5</td><td>0 K</td></tr><tr><td>240 min Summer</td><td>3.361</td><td>0.561</td><td>0.0</td><td>2.7</td><td>0 K</td></tr><tr><td>360 min Summer</td><td>3.387</td><td>0.587</td><td>0.0</td><td>2.8</td><td>0 K</td></tr><tr><td>480 min 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Date 3 May 2018 File Rear geocell.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	3.163	0.363	0.0	1.7	0 K
60 min Winter	3.259	0.459	0.0	2.2	0 K
120 min Winter	3.355	0.555	0.0	2.6	0 K
180 min Winter	3.405	0.605	0.0	2.9	0 K
240 min Winter	3.434	0.634	0.0	3.0	0 K
360 min Winter	3.468	0.668	0.0	3.2	0 K
480 min Winter	3.484	0.684	0.0	3.3	0 K
600 min Winter	3.491	0.691	0.0	3.3	0 K
720 min Winter	3.491	0.691	0.0	3.3	0 K
960 min Winter	3.483	0.683	0.0	3.2	0 K
1440 min Winter	3.463	0.663	0.0	3.2	0 K
2160 min Winter	3.419	0.619	0.0	2.9	0 K
2880 min Winter	3.372	0.572	0.0	2.7	0 K
4320 min Winter	3.285	0.485	0.0	2.3	0 K
5760 min Winter	3.209	0.409	0.0	1.9	0 K
7200 min Winter	3.144	0.344	0.0	1.6	0 K
8640 min Winter	3.089	0.289	0.0	1.4	0 K
10080 min Winter	3.042	0.242	0.0	1.1	0 K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	83.789	0.0	33		
60 min Winter	53.779	0.0	62		
120 min Winter	33.337	0.0	122		
180 min Winter	24.832	0.0	180		
240 min Winter	20.006	0.0	238		
360 min Winter	14.706	0.0	352		
480 min Winter	11.818	0.0	466		
600 min Winter	9.966	0.0	576		
720 min Winter	8.665	0.0	680		
960 min Winter	6.943	0.0	788		
1440 min Winter	5.071	0.0	1082		
2160 min Winter	3.696	0.0	1540		
2880 min Winter	2.949	0.0	1992		
4320 min Winter	2.142	0.0	2852		
5760 min Winter	1.705	0.0	3688		
7200 min Winter	1.427	0.0	4472		
8640 min Winter	1.235	0.0	5272		
10080 min Winter	1.093	0.0	6048		
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Model Details

Storage is Online Cover Level (m) 4.200

Cellular Storage Structure

Invert Level (m)	2.800
Infiltration Coefficient Base (m/hr)	0.01797
Infiltration Coefficient Side (m/hr)	0.01797
Safety Factor	1.5
Porosity	0.95

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	5.0	5.0	0.900	0.0	12.2
0.800	5.0	12.2			

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