

Paul Basham Associates				Page 1																																																																																																																																																																																																																			
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<p style="text-align: center;"><u>Summary of Results for 100 year Return Period (+30%)</u></p> <p style="text-align: center;">Half Drain Time : 8 minutes.</p> <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>-1.338</td><td>0.662</td><td>3.7</td><td>2.4</td><td>O K</td></tr><tr><td>30 min Summer</td><td>-1.300</td><td>0.700</td><td>3.8</td><td>2.5</td><td>O K</td></tr><tr><td>60 min Summer</td><td>-1.364</td><td>0.636</td><td>3.6</td><td>2.3</td><td>O K</td></tr><tr><td>120 min Summer</td><td>-1.525</td><td>0.475</td><td>3.1</td><td>1.7</td><td>O K</td></tr><tr><td>180 min Summer</td><td>-1.651</td><td>0.349</td><td>2.6</td><td>1.3</td><td>O K</td></tr><tr><td>240 min Summer</td><td>-1.746</td><td>0.254</td><td>2.3</td><td>0.9</td><td>O K</td></tr><tr><td>360 min Summer</td><td>-1.871</td><td>0.129</td><td>1.9</td><td>0.5</td><td>O 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Volume (m³)	Status	15 min Summer	-1.338	0.662	3.7	2.4	O K	30 min Summer	-1.300	0.700	3.8	2.5	O K	60 min Summer	-1.364	0.636	3.6	2.3	O K	120 min Summer	-1.525	0.475	3.1	1.7	O K	180 min Summer	-1.651	0.349	2.6	1.3	O K	240 min Summer	-1.746	0.254	2.3	0.9	O K	360 min Summer	-1.871	0.129	1.9	0.5	O K	480 min Summer	-1.938	0.062	1.7	0.2	O K	600 min Summer	-1.955	0.045	1.5	0.2	O K	720 min Summer	-1.961	0.039	1.3	0.1	O K	960 min Summer	-1.968	0.032	1.1	0.1	O K	1440 min Summer	-1.977	0.023	0.8	0.1	O K	2160 min Summer	-1.983	0.017	0.6	0.1	O K	2880 min Summer	-1.986	0.014	0.5	0.0	O K	4320 min Summer	-1.990	0.010	0.3	0.0	O K	5760 min Summer	-1.992	0.008	0.3	0.0	O K	7200 min Summer	-1.993	0.007	0.2	0.0	O K	8640 min Summer	-1.994	0.006	0.2	0.0	O K	10080 min Summer	-1.995	0.005	0.2	0.0	O K	15 min Winter	-1.254	0.746	3.9	2.7	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	115.731	0.0	13	30 min Summer	77.804	0.0	21	60 min Summer	49.937	0.0	38	120 min 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Date 24/04/2019		Designed by JB			
File 07 PLOTS 32-37. 1IN100 ...		Checked by AS			
Innovyze		Source Control 2018.1.1			
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	-1.235	0.765	4.0	2.8	O K
60 min Winter	-1.356	0.644	3.6	2.3	O K
120 min Winter	-1.586	0.414	2.9	1.5	O K
180 min Winter	-1.741	0.259	2.4	0.9	O K
240 min Winter	-1.848	0.152	2.0	0.5	O K
360 min Winter	-1.952	0.048	1.6	0.2	O K
480 min Winter	-1.961	0.039	1.3	0.1	O K
600 min Winter	-1.967	0.033	1.1	0.1	O K
720 min Winter	-1.971	0.029	1.0	0.1	O K
960 min Winter	-1.977	0.023	0.8	0.1	O K
1440 min Winter	-1.983	0.017	0.6	0.1	O K
2160 min Winter	-1.988	0.012	0.4	0.0	O K
2880 min Winter	-1.990	0.010	0.3	0.0	O K
4320 min Winter	-1.993	0.007	0.2	0.0	O K
5760 min Winter	-1.994	0.006	0.2	0.0	O K
7200 min Winter	-1.995	0.005	0.2	0.0	O K
8640 min Winter	-1.996	0.004	0.1	0.0	O K
10080 min Winter	-1.996	0.004	0.1	0.0	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	77.804	0.0	22		
60 min Winter	49.937	0.0	40		
120 min Winter	30.956	0.0	72		
180 min Winter	23.058	0.0	104		
240 min Winter	18.577	0.0	132		
360 min Winter	13.656	0.0	182		
480 min Winter	10.974	0.0	242		
600 min Winter	9.254	0.0	300		
720 min Winter	8.046	0.0	362		
960 min Winter	6.447	0.0	476		
1440 min Winter	4.709	0.0	716		
2160 min Winter	3.432	0.0	1088		
2880 min Winter	2.739	0.0	1456		
4320 min Winter	1.989	0.0	2264		
5760 min Winter	1.583	0.0	2824		
7200 min Winter	1.325	0.0	3624		
8640 min Winter	1.147	0.0	4248		
10080 min Winter	1.015	0.0	4936		
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<p style="text-align: center;"><u>Model Details</u></p> <p style="text-align: center;">Storage is Online Cover Level (m) 0.000</p> <p style="text-align: center;"><u>Trench Soakaway Structure</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Infiltration Coefficient Base (m/hr) 1.81080</td> <td style="width: 50%;">Trench Width (m) 1.0</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr) 1.81080</td> <td>Trench Length (m) 12.0</td> </tr> <tr> <td>Safety Factor 4.0</td> <td>Slope (1:X) 0.0</td> </tr> <tr> <td>Porosity 0.30</td> <td>Cap Volume Depth (m) 1.700</td> </tr> <tr> <td>Invert Level (m) -2.000</td> <td>Cap Infiltration Depth (m) 1.700</td> </tr> </table>			Infiltration Coefficient Base (m/hr) 1.81080	Trench Width (m) 1.0	Infiltration Coefficient Side (m/hr) 1.81080	Trench Length (m) 12.0	Safety Factor 4.0	Slope (1:X) 0.0	Porosity 0.30	Cap Volume Depth (m) 1.700	Invert Level (m) -2.000	Cap Infiltration Depth (m) 1.700
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