

Paul Basham Associates				Page 1																																																																																																																																																																																																																			
Lancaster Court Fareham Hampshire, PO15 5TU		06																																																																																																																																																																																																																					
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<p style="text-align: center;"><u>Summary of Results for 30 year Return Period (+30%)</u></p> <p style="text-align: center;">Half Drain Time : 419 minutes.</p> <table><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><tr><td>15 min Summer</td><td>-1.137</td><td>0.363</td><td>0.1</td><td>2.0</td><td>O K</td></tr><tr><td>30 min Summer</td><td>-1.024</td><td>0.476</td><td>0.1</td><td>2.6</td><td>O K</td></tr><tr><td>60 min Summer</td><td>-0.910</td><td>0.590</td><td>0.1</td><td>3.2</td><td>O K</td></tr><tr><td>120 min Summer</td><td>-0.806</td><td>0.694</td><td>0.1</td><td>3.7</td><td>O K</td></tr><tr><td>180 min Summer</td><td>-0.761</td><td>0.739</td><td>0.1</td><td>4.0</td><td>O K</td></tr><tr><td>240 min Summer</td><td>-0.742</td><td>0.758</td><td>0.1</td><td>4.1</td><td>O K</td></tr><tr><td>360 min Summer</td><td>-0.732</td><td>0.768</td><td>0.1</td><td>4.1</td><td>O K</td></tr><tr><td>480 min Summer</td><td>-0.730</td><td>0.770</td><td>0.1</td><td>4.2</td><td>O K</td></tr><tr><td>600 min Summer</td><td>-0.733</td><td>0.767</td><td>0.1</td><td>4.1</td><td>O K</td></tr><tr><td>720 min Summer</td><td>-0.739</td><td>0.761</td><td>0.1</td><td>4.1</td><td>O K</td></tr><tr><td>960 min Summer</td><td>-0.758</td><td>0.742</td><td>0.1</td><td>4.0</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>-0.804</td><td>0.696</td><td>0.1</td><td>3.8</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>-0.870</td><td>0.630</td><td>0.1</td><td>3.4</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>-0.929</td><td>0.571</td><td>0.1</td><td>3.1</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>-1.031</td><td>0.469</td><td>0.1</td><td>2.5</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>-1.114</td><td>0.386</td><td>0.1</td><td>2.1</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>-1.182</td><td>0.318</td><td>0.1</td><td>1.7</td><td>O K</td></tr><tr><td>8640 min 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Summer	-1.024	0.476	0.1	2.6	O K	60 min Summer	-0.910	0.590	0.1	3.2	O K	120 min Summer	-0.806	0.694	0.1	3.7	O K	180 min Summer	-0.761	0.739	0.1	4.0	O K	240 min Summer	-0.742	0.758	0.1	4.1	O K	360 min Summer	-0.732	0.768	0.1	4.1	O K	480 min Summer	-0.730	0.770	0.1	4.2	O K	600 min Summer	-0.733	0.767	0.1	4.1	O K	720 min Summer	-0.739	0.761	0.1	4.1	O K	960 min Summer	-0.758	0.742	0.1	4.0	O K	1440 min Summer	-0.804	0.696	0.1	3.8	O K	2160 min Summer	-0.870	0.630	0.1	3.4	O K	2880 min Summer	-0.929	0.571	0.1	3.1	O K	4320 min Summer	-1.031	0.469	0.1	2.5	O K	5760 min Summer	-1.114	0.386	0.1	2.1	O K	7200 min Summer	-1.182	0.318	0.1	1.7	O K	8640 min Summer	-1.238	0.262	0.1	1.4	O K	10080 min Summer	-1.284	0.216	0.1	1.2	O K	15 min Winter	-1.093	0.407	0.1	2.2	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	89.487	0.0	19	30 min Summer	59.577	0.0	33	60 min Summer	38.009	0.0	62	120 min Summer	23.546	0.0	122	180 min Summer	17.594	0.0	182	240 min Summer	14.237	0.0	240	360 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Date 24/04/2019		Designed by JB			
File 06 Plots 22-23. lin30 p...		Checked by AS			
Innovyze		Source Control 2018.1.1			
<u>Summary of Results for 30 year Return Period (+30%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	-0.965	0.535	0.1	2.9	O K
60 min Winter	-0.835	0.665	0.1	3.6	O K
120 min Winter	-0.715	0.785	0.1	4.2	O K
180 min Winter	-0.660	0.840	0.1	4.5	O K
240 min Winter	-0.634	0.866	0.1	4.7	O K
360 min Winter	-0.617	0.883	0.1	4.8	O K
480 min Winter	-0.619	0.881	0.1	4.8	O K
600 min Winter	-0.623	0.877	0.1	4.7	O K
720 min Winter	-0.633	0.867	0.1	4.7	O K
960 min Winter	-0.661	0.839	0.1	4.5	O K
1440 min Winter	-0.730	0.770	0.1	4.2	O K
2160 min Winter	-0.830	0.670	0.1	3.6	O K
2880 min Winter	-0.917	0.583	0.1	3.1	O K
4320 min Winter	-1.059	0.441	0.1	2.4	O K
5760 min Winter	-1.168	0.332	0.1	1.8	O K
7200 min Winter	-1.254	0.246	0.1	1.3	O K
8640 min Winter	-1.320	0.180	0.1	1.0	O K
10080 min Winter	-1.374	0.126	0.1	0.7	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	59.577	0.0	33		
60 min Winter	38.009	0.0	62		
120 min Winter	23.546	0.0	120		
180 min Winter	17.594	0.0	176		
240 min Winter	14.237	0.0	232		
360 min Winter	10.537	0.0	340		
480 min Winter	8.507	0.0	388		
600 min Winter	7.201	0.0	464		
720 min Winter	6.281	0.0	542		
960 min Winter	5.060	0.0	694		
1440 min Winter	3.726	0.0	996		
2160 min Winter	2.740	0.0	1428		
2880 min Winter	2.201	0.0	1844		
4320 min Winter	1.614	0.0	2636		
5760 min Winter	1.295	0.0	3400		
7200 min Winter	1.091	0.0	4176		
8640 min Winter	0.948	0.0	4848		
10080 min Winter	0.843	0.0	5552		
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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> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.03499</td> <td>Trench Width (m)</td> <td>1.2</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr)</td> <td>0.03499</td> <td>Trench Length (m)</td> <td>15.0</td> </tr> <tr> <td>Safety Factor</td> <td>4.0</td> <td>Slope (1:X)</td> <td>0.0</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Cap Volume Depth (m)</td> <td>1.300</td> </tr> <tr> <td>Invert Level (m)</td> <td>-1.500</td> <td>Cap Infiltration Depth (m)</td> <td>1.300</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.03499	Trench Width (m)	1.2	Infiltration Coefficient Side (m/hr)	0.03499	Trench Length (m)	15.0	Safety Factor	4.0	Slope (1:X)	0.0	Porosity	0.30	Cap Volume Depth (m)	1.300	Invert Level (m)	-1.500	Cap Infiltration Depth (m)	1.300
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