

Paul Basham Associates				Page 1																																																																																																																																																																																																																			
Lancaster Court Fareham Hampshire, PO15 5TU		9NO																																																																																																																																																																																																																					
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<p>Summary of Results for 30 year Return Period (+30%)</p> <p>Half Drain Time : 53 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>-1.448</td><td>1.302</td><td>30.4</td><td>129.1</td><td>O K</td></tr><tr><td>30 min Summer</td><td>-1.168</td><td>1.582</td><td>33.9</td><td>157.0</td><td>O K</td></tr><tr><td>60 min Summer</td><td>-1.020</td><td>1.730</td><td>35.8</td><td>171.7</td><td>O K</td></tr><tr><td>120 min Summer</td><td>-1.010</td><td>1.740</td><td>35.9</td><td>172.7</td><td>O K</td></tr><tr><td>180 min Summer</td><td>-1.089</td><td>1.661</td><td>34.9</td><td>164.8</td><td>O K</td></tr><tr><td>240 min Summer</td><td>-1.180</td><td>1.570</td><td>33.8</td><td>155.8</td><td>O K</td></tr><tr><td>360 min Summer</td><td>-1.352</td><td>1.398</td><td>31.6</td><td>138.7</td><td>O K</td></tr><tr><td>480 min Summer</td><td>-1.505</td><td>1.245</td><td>29.7</td><td>123.5</td><td>O K</td></tr><tr><td>600 min Summer</td><td>-1.640</td><td>1.110</td><td>28.0</td><td>110.1</td><td>O K</td></tr><tr><td>720 min Summer</td><td>-1.759</td><td>0.991</td><td>26.5</td><td>98.3</td><td>O K</td></tr><tr><td>960 min Summer</td><td>-1.957</td><td>0.793</td><td>24.0</td><td>78.6</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>-2.244</td><td>0.506</td><td>20.4</td><td>50.2</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>-2.512</td><td>0.238</td><td>17.1</td><td>23.6</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>-2.660</td><td>0.090</td><td>15.2</td><td>8.9</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>-2.710</td><td>0.040</td><td>11.9</td><td>4.0</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>-2.717</td><td>0.033</td><td>9.6</td><td>3.2</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>-2.723</td><td>0.027</td><td>8.0</td><td>2.7</td><td>O K</td></tr><tr><td>8640 min 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Summer	-1.168	1.582	33.9	157.0	O K	60 min Summer	-1.020	1.730	35.8	171.7	O K	120 min Summer	-1.010	1.740	35.9	172.7	O K	180 min Summer	-1.089	1.661	34.9	164.8	O K	240 min Summer	-1.180	1.570	33.8	155.8	O K	360 min Summer	-1.352	1.398	31.6	138.7	O K	480 min Summer	-1.505	1.245	29.7	123.5	O K	600 min Summer	-1.640	1.110	28.0	110.1	O K	720 min Summer	-1.759	0.991	26.5	98.3	O K	960 min Summer	-1.957	0.793	24.0	78.6	O K	1440 min Summer	-2.244	0.506	20.4	50.2	O K	2160 min Summer	-2.512	0.238	17.1	23.6	O K	2880 min Summer	-2.660	0.090	15.2	8.9	O K	4320 min Summer	-2.710	0.040	11.9	4.0	O K	5760 min Summer	-2.717	0.033	9.6	3.2	O K	7200 min Summer	-2.723	0.027	8.0	2.7	O K	8640 min Summer	-2.726	0.024	7.0	2.4	O K	10080 min Summer	-2.729	0.021	6.3	2.1	O K	15 min Winter	-1.275	1.475	32.6	146.4	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	89.487	0.0	17	30 min Summer	59.577	0.0	31	60 min Summer	38.009	0.0	48	120 min Summer	23.546	0.0	82	180 min 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Date 29/04/2019		Designed by JB			
File 9NO RING SOAKAWAY. 1IN3...		Checked by AS			
Innovyze		Source Control 2018.1.1			
Summary of Results for 30 year Return Period (+30%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	-0.941	1.809	36.8	179.5	O K
60 min Winter	-0.769	1.981	38.9	196.5	O K
120 min Winter	-0.775	1.975	38.9	195.9	O K
180 min Winter	-0.906	1.844	37.2	182.9	O K
240 min Winter	-1.053	1.697	35.4	168.3	O K
360 min Winter	-1.312	1.438	32.1	142.7	O K
480 min Winter	-1.530	1.220	29.4	121.0	O K
600 min Winter	-1.715	1.035	27.1	102.7	O K
720 min Winter	-1.871	0.879	25.1	87.2	O K
960 min Winter	-2.121	0.629	22.0	62.4	O K
1440 min Winter	-2.456	0.294	17.8	29.2	O K
2160 min Winter	-2.701	0.049	14.5	4.9	O K
2880 min Winter	-2.710	0.040	11.7	3.9	O K
4320 min Winter	-2.721	0.029	8.6	2.9	O K
5760 min Winter	-2.726	0.024	7.0	2.3	O K
7200 min Winter	-2.730	0.020	5.8	2.0	O K
8640 min Winter	-2.733	0.017	5.1	1.7	O K
10080 min Winter	-2.735	0.015	4.5	1.5	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	59.577	0.0	30		
60 min Winter	38.009	0.0	50		
120 min Winter	23.546	0.0	88		
180 min Winter	17.594	0.0	126		
240 min Winter	14.237	0.0	162		
360 min Winter	10.537	0.0	232		
480 min Winter	8.507	0.0	298		
600 min Winter	7.201	0.0	364		
720 min Winter	6.281	0.0	428		
960 min Winter	5.060	0.0	552		
1440 min Winter	3.726	0.0	794		
2160 min Winter	2.740	0.0	1100		
2880 min Winter	2.201	0.0	1456		
4320 min Winter	1.614	0.0	2168		
5760 min Winter	1.295	0.0	2888		
7200 min Winter	1.091	0.0	3616		
8640 min Winter	0.948	0.0	4256		
10080 min Winter	0.843	0.0	5104		
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