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<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 427 minutes. <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>59.774</td><td>0.174</td><td>0.7</td><td>14.8</td><td>O K</td></tr><tr><td>30 min Summer</td><td>59.825</td><td>0.225</td><td>0.7</td><td>19.6</td><td>O K</td></tr><tr><td>60 min Summer</td><td>59.873</td><td>0.273</td><td>0.7</td><td>24.1</td><td>O K</td></tr><tr><td>120 min Summer</td><td>59.913</td><td>0.313</td><td>0.7</td><td>27.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>59.928</td><td>0.328</td><td>0.7</td><td>29.3</td><td>O K</td></tr><tr><td>240 min Summer</td><td>59.932</td><td>0.332</td><td>0.7</td><td>29.7</td><td>O K</td></tr><tr><td>360 min Summer</td><td>59.927</td><td>0.327</td><td>0.7</td><td>29.3</td><td>O K</td></tr><tr><td>480 min Summer</td><td>59.919</td><td>0.319</td><td>0.7</td><td>28.5</td><td>O K</td></tr><tr><td>600 min Summer</td><td>59.911</td><td>0.311</td><td>0.7</td><td>27.7</td><td>O K</td></tr><tr><td>720 min Summer</td><td>59.902</td><td>0.302</td><td>0.7</td><td>26.9</td><td>O K</td></tr><tr><td>960 min Summer</td><td>59.884</td><td>0.284</td><td>0.7</td><td>25.2</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>59.850</td><td>0.250</td><td>0.7</td><td>22.0</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>59.804</td><td>0.204</td><td>0.7</td><td>17.6</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>59.763</td><td>0.163</td><td>0.7</td><td>13.7</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>59.700</td><td>0.100</td><td>0.7</td><td>7.8</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>59.663</td><td>0.063</td><td>0.7</td><td>4.3</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>59.648</td><td>0.048</td><td>0.7</td><td>2.9</td><td>O K</td></tr><tr><td>8640 min 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Summer	59.825	0.225	0.7	19.6	O K	60 min Summer	59.873	0.273	0.7	24.1	O K	120 min Summer	59.913	0.313	0.7	27.9	O K	180 min Summer	59.928	0.328	0.7	29.3	O K	240 min Summer	59.932	0.332	0.7	29.7	O K	360 min Summer	59.927	0.327	0.7	29.3	O K	480 min Summer	59.919	0.319	0.7	28.5	O K	600 min Summer	59.911	0.311	0.7	27.7	O K	720 min Summer	59.902	0.302	0.7	26.9	O K	960 min Summer	59.884	0.284	0.7	25.2	O K	1440 min Summer	59.850	0.250	0.7	22.0	O K	2160 min Summer	59.804	0.204	0.7	17.6	O K	2880 min Summer	59.763	0.163	0.7	13.7	O K	4320 min Summer	59.700	0.100	0.7	7.8	O K	5760 min Summer	59.663	0.063	0.7	4.3	O K	7200 min Summer	59.648	0.048	0.7	2.9	O K	8640 min Summer	59.642	0.042	0.6	2.3	O K	10080 min Summer	59.638	0.038	0.5	1.9	O K	15 min Winter	59.795	0.195	0.7	16.8	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	138.153	0.0	19	30 min Summer	90.705	0.0	33	60 min Summer	56.713	0.0	62	120 min Summer	34.246	0.0	122	180 min Summer	25.149	0.0	182	240 min 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The Stables High Cogges, Witney Oxfordshire					
Date 15/08/2018 13:05 File Permeable Paving.srcx		Designed by tim Checked by			
Micro Drainage		Source Control 2015.1			
<u>Summary of Results for 100 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	59.853	0.253	0.7	22.2	O K
60 min Winter	59.908	0.308	0.7	27.4	O K
120 min Winter	59.955	0.355	0.7	31.9	O K
180 min Winter	59.974	0.374	0.7	33.7	O K
240 min Winter	59.981	0.381	0.7	34.3	O K
360 min Winter	59.981	0.381	0.7	34.3	O K
480 min Winter	59.972	0.372	0.7	33.5	O K
600 min Winter	59.960	0.360	0.7	32.3	O K
720 min Winter	59.948	0.348	0.7	31.3	O K
960 min Winter	59.924	0.324	0.7	29.0	O K
1440 min Winter	59.873	0.273	0.7	24.2	O K
2160 min Winter	59.802	0.202	0.7	17.4	O K
2880 min Winter	59.741	0.141	0.7	11.7	O K
4320 min Winter	59.660	0.060	0.7	4.0	O K
5760 min Winter	59.643	0.043	0.6	2.4	O K
7200 min Winter	59.636	0.036	0.5	1.8	O K
8640 min Winter	59.633	0.033	0.4	1.5	O K
10080 min Winter	59.631	0.031	0.4	1.3	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	90.705	0.0	33		
60 min Winter	56.713	0.0	62		
120 min Winter	34.246	0.0	120		
180 min Winter	25.149	0.0	178		
240 min Winter	20.078	0.0	236		
360 min Winter	14.585	0.0	346		
480 min Winter	11.622	0.0	452		
600 min Winter	9.738	0.0	488		
720 min Winter	8.424	0.0	558		
960 min Winter	6.697	0.0	712		
1440 min Winter	4.839	0.0	1008		
2160 min Winter	3.490	0.0	1408		
2880 min Winter	2.766	0.0	1788		
4320 min Winter	1.989	0.0	2376		
5760 min Winter	1.573	0.0	2992		
7200 min Winter	1.311	0.0	3672		
8640 min Winter	1.129	0.0	4368		
10080 min Winter	0.994	0.0	5152		
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<u>Model Details</u> Storage is Online Cover Level (m) 60.100 <u>Porous Car Park Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.01548</td> <td>Width (m)</td> <td>9.0</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>35.0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>87.5</td> <td>Slope (1:X)</td> <td>1000.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>59.600</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.01548	Width (m)	9.0	Membrane Percolation (mm/hr)	1000	Length (m)	35.0	Max Percolation (l/s)	87.5	Slope (1:X)	1000.0	Safety Factor	2.0	Depression Storage (mm)	5	Porosity	0.30	Evaporation (mm/day)	3	Invert Level (m)	59.600	Cap Volume Depth (m)	0.000
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