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<u>Summary of Results for 10 year Return Period</u> Half Drain Time : 1343 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>0.051</td><td>0.051</td><td>0.0</td><td>1.2</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.067</td><td>0.067</td><td>0.0</td><td>1.5</td><td>O K</td></tr><tr><td>60 min Summer</td><td>0.083</td><td>0.083</td><td>0.0</td><td>1.9</td><td>O K</td></tr><tr><td>120 min Summer</td><td>0.102</td><td>0.102</td><td>0.0</td><td>2.3</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.112</td><td>0.112</td><td>0.0</td><td>2.6</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.119</td><td>0.119</td><td>0.0</td><td>2.7</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.127</td><td>0.127</td><td>0.0</td><td>2.9</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.131</td><td>0.131</td><td>0.0</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.133</td><td>0.133</td><td>0.0</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.133</td><td>0.133</td><td>0.0</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.133</td><td>0.133</td><td>0.0</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.130</td><td>0.130</td><td>0.0</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.126</td><td>0.126</td><td>0.0</td><td>2.9</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.123</td><td>0.123</td><td>0.0</td><td>2.8</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.118</td><td>0.118</td><td>0.0</td><td>2.7</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>0.114</td><td>0.114</td><td>0.0</td><td>2.6</td><td>Flood Risk</td></tr><tr><td>7200 min Summer</td><td>0.110</td><td>0.110</td><td>0.0</td><td>2.5</td><td>Flood Risk</td></tr><tr><td>8640 min Summer</td><td>0.108</td><td>0.108</td><td>0.0</td><td>2.5</td><td>Flood Risk</td></tr><tr><td>10080 min Summer</td><td>0.105</td><td>0.105</td><td>0.0</td><td>2.4</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>0.057</td><td>0.057</td><td>0.0</td><td>1.3</td><td>O K</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>62.586</td><td>0.0</td><td>19</td></tr><tr><td>30 min Summer</td><td>41.202</td><td>0.0</td><td>34</td></tr><tr><td>60 min Summer</td><td>26.034</td><td>0.0</td><td>64</td></tr><tr><td>120 min Summer</td><td>16.170</td><td>0.0</td><td>124</td></tr><tr><td>180 min Summer</td><td>12.091</td><td>0.0</td><td>182</td></tr><tr><td>240 min Summer</td><td>9.769</td><td>0.0</td><td>242</td></tr><tr><td>360 min Summer</td><td>7.145</td><td>0.0</td><td>362</td></tr><tr><td>480 min Summer</td><td>5.686</td><td>0.0</td><td>482</td></tr><tr><td>600 min Summer</td><td>4.751</td><td>0.0</td><td>602</td></tr><tr><td>720 min Summer</td><td>4.098</td><td>0.0</td><td>720</td></tr><tr><td>960 min Summer</td><td>3.242</td><td>0.0</td><td>960</td></tr><tr><td>1440 min Summer</td><td>2.335</td><td>0.0</td><td>1168</td></tr><tr><td>2160 min Summer</td><td>1.695</td><td>0.0</td><td>1540</td></tr><tr><td>2880 min Summer</td><td>1.362</td><td>0.0</td><td>1960</td></tr><tr><td>4320 min Summer</td><td>1.021</td><td>0.0</td><td>2768</td></tr><tr><td>5760 min Summer</td><td>0.845</td><td>0.0</td><td>3624</td></tr><tr><td>7200 min Summer</td><td>0.738</td><td>0.0</td><td>4400</td></tr><tr><td>8640 min Summer</td><td>0.667</td><td>0.0</td><td>5192</td></tr><tr><td>10080 min Summer</td><td>0.615</td><td>0.0</td><td>6048</td></tr><tr><td>15 min Winter</td><td>62.586</td><td>0.0</td><td>19</td></tr></table>						Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	0.051	0.051	0.0	1.2	O K	30 min Summer	0.067	0.067	0.0	1.5	O K	60 min Summer	0.083	0.083	0.0	1.9	O K	120 min Summer	0.102	0.102	0.0	2.3	Flood Risk	180 min Summer	0.112	0.112	0.0	2.6	Flood Risk	240 min Summer	0.119	0.119	0.0	2.7	Flood Risk	360 min Summer	0.127	0.127	0.0	2.9	Flood Risk	480 min Summer	0.131	0.131	0.0	3.0	Flood Risk	600 min Summer	0.133	0.133	0.0	3.0	Flood Risk	720 min Summer	0.133	0.133	0.0	3.0	Flood Risk	960 min Summer	0.133	0.133	0.0	3.0	Flood Risk	1440 min Summer	0.130	0.130	0.0	3.0	Flood Risk	2160 min Summer	0.126	0.126	0.0	2.9	Flood Risk	2880 min Summer	0.123	0.123	0.0	2.8	Flood Risk	4320 min Summer	0.118	0.118	0.0	2.7	Flood Risk	5760 min Summer	0.114	0.114	0.0	2.6	Flood Risk	7200 min Summer	0.110	0.110	0.0	2.5	Flood Risk	8640 min Summer	0.108	0.108	0.0	2.5	Flood Risk	10080 min Summer	0.105	0.105	0.0	2.4	Flood Risk	15 min Winter	0.057	0.057	0.0	1.3	O K	Storm Event	Rain 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480 min Winter	0.148	0.148	0.0	3.4	Flood Risk																																																																																																																																																																																														
600 min Winter	0.151	0.151	0.0	3.4	Flood Risk																																																																																																																																																																																														
720 min Winter	0.152	0.152	0.0	3.5	Flood Risk																																																																																																																																																																																														
960 min Winter	0.153	0.153	0.0	3.5	Flood Risk																																																																																																																																																																																														
1440 min Winter	0.149	0.149	0.0	3.4	Flood Risk																																																																																																																																																																																														
2160 min Winter	0.143	0.143	0.0	3.3	Flood Risk																																																																																																																																																																																														
2880 min Winter	0.138	0.138	0.0	3.2	Flood Risk																																																																																																																																																																																														
4320 min Winter	0.129	0.129	0.0	2.9	Flood Risk																																																																																																																																																																																														
5760 min Winter	0.120	0.120	0.0	2.7	Flood Risk																																																																																																																																																																																														
7200 min Winter	0.113	0.113	0.0	2.6	Flood Risk																																																																																																																																																																																														
8640 min Winter	0.106	0.106	0.0	2.4	Flood Risk																																																																																																																																																																																														
10080 min Winter	0.100	0.100	0.0	2.3	Flood Risk																																																																																																																																																																																														
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																
30 min Winter	41.202	0.0	33																																																																																																																																																																																																
60 min Winter	26.034	0.0	62																																																																																																																																																																																																
120 min Winter	16.170	0.0	122																																																																																																																																																																																																
180 min Winter	12.091	0.0	180																																																																																																																																																																																																
240 min Winter	9.769	0.0	240																																																																																																																																																																																																
360 min Winter	7.145	0.0	356																																																																																																																																																																																																
480 min Winter	5.686	0.0	472																																																																																																																																																																																																
600 min Winter	4.751	0.0	588																																																																																																																																																																																																
720 min Winter	4.098	0.0	702																																																																																																																																																																																																
960 min Winter	3.242	0.0	924																																																																																																																																																																																																
1440 min Winter	2.335	0.0	1342																																																																																																																																																																																																
2160 min Winter	1.695	0.0	1668																																																																																																																																																																																																
2880 min Winter	1.362	0.0	2132																																																																																																																																																																																																
4320 min Winter	1.021	0.0	3028																																																																																																																																																																																																
5760 min Winter	0.845	0.0	3920																																																																																																																																																																																																
7200 min Winter	0.738	0.0	4752																																																																																																																																																																																																
8640 min Winter	0.667	0.0	5544																																																																																																																																																																																																
10080 min Winter	0.615	0.0	6360																																																																																																																																																																																																
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Odyssey		Page 3																														
Tuscany House White Hart Lane Basingstoke RG21 4AF	Stakers Farm, Yapton 19-156 Plots 3-4																															
Date 15/07/2020 10:31 File Individual Soakaways.SRCX	Designed by AK Checked by																															
Micro Drainage		Source Control 2020.1																														
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<u>Model Details</u> Storage is Online Cover Level (m) 0.400 <u>Infiltration Blanket Structure</u> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00648</td> <td>Diameter/Width (m)</td> <td>3.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Length (m)</td> <td>8.0</td> </tr> <tr> <td>Porosity</td> <td>0.95</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> <tr> <td>Invert Level (m)</td> <td>0.000</td> <td></td> <td></td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.00648	Diameter/Width (m)	3.0	Safety Factor	2.0	Length (m)	8.0	Porosity	0.95	Cap Volume Depth (m)	0.000	Invert Level (m)	0.000		
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