

Odyssey				Page 1																																																																																																																																																																																																																			
Tuscany House White Hart Lane Basingstoke RG21 4AF		Stakers Farm, Yapton 19-156 Blanket 7																																																																																																																																																																																																																					
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<u>Summary of Results for 10 year Return Period (+40%)</u> Half Drain Time : 1117 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>0.036</td><td>0.036</td><td>0.0</td><td>1.0</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.047</td><td>0.047</td><td>0.0</td><td>1.3</td><td>O K</td></tr><tr><td>60 min Summer</td><td>0.059</td><td>0.059</td><td>0.0</td><td>1.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>0.072</td><td>0.072</td><td>0.0</td><td>1.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>0.079</td><td>0.079</td><td>0.0</td><td>2.1</td><td>O K</td></tr><tr><td>240 min Summer</td><td>0.083</td><td>0.083</td><td>0.0</td><td>2.3</td><td>O K</td></tr><tr><td>360 min Summer</td><td>0.089</td><td>0.089</td><td>0.0</td><td>2.4</td><td>O K</td></tr><tr><td>480 min Summer</td><td>0.091</td><td>0.091</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>600 min Summer</td><td>0.092</td><td>0.092</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>720 min Summer</td><td>0.092</td><td>0.092</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>960 min Summer</td><td>0.091</td><td>0.091</td><td>0.0</td><td>2.5</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>0.090</td><td>0.090</td><td>0.0</td><td>2.4</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>0.087</td><td>0.087</td><td>0.0</td><td>2.4</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>0.085</td><td>0.085</td><td>0.0</td><td>2.3</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>0.081</td><td>0.081</td><td>0.0</td><td>2.2</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>0.078</td><td>0.078</td><td>0.0</td><td>2.1</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>0.075</td><td>0.075</td><td>0.0</td><td>2.0</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>0.073</td><td>0.073</td><td>0.0</td><td>2.0</td><td>O K</td></tr><tr><td>10080 min 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Summer	0.072	0.072	0.0	1.9	O K	180 min Summer	0.079	0.079	0.0	2.1	O K	240 min Summer	0.083	0.083	0.0	2.3	O K	360 min Summer	0.089	0.089	0.0	2.4	O K	480 min Summer	0.091	0.091	0.0	2.5	O K	600 min Summer	0.092	0.092	0.0	2.5	O K	720 min Summer	0.092	0.092	0.0	2.5	O K	960 min Summer	0.091	0.091	0.0	2.5	O K	1440 min Summer	0.090	0.090	0.0	2.4	O K	2160 min Summer	0.087	0.087	0.0	2.4	O K	2880 min Summer	0.085	0.085	0.0	2.3	O K	4320 min Summer	0.081	0.081	0.0	2.2	O K	5760 min Summer	0.078	0.078	0.0	2.1	O K	7200 min Summer	0.075	0.075	0.0	2.0	O K	8640 min Summer	0.073	0.073	0.0	2.0	O K	10080 min Summer	0.071	0.071	0.0	1.9	O K	15 min Winter	0.040	0.040	0.0	1.1	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	87.620	0.0	19	30 min Summer	57.683	0.0	34	60 min Summer	36.448	0.0	64	120 min Summer	22.639	0.0	124	180 min Summer	16.928	0.0	182	240 min Summer	13.676	0.0	242	360 min Summer	10.003	0.0	362	480 min Summer	7.960	0.0	482	600 min Summer	6.652	0.0	600	720 min 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Date 30/04/2021 14:08 File 19-156_Blanket 7.SRCX	Designed by AK Checked by				
Micro Drainage Source Control 2020.1.3					
<u>Summary of Results for 10 year Return Period (+40%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	0.053	0.053	0.0	1.4	O K
60 min Winter	0.066	0.066	0.0	1.8	O K
120 min Winter	0.080	0.080	0.0	2.2	O K
180 min Winter	0.089	0.089	0.0	2.4	O K
240 min Winter	0.094	0.094	0.0	2.6	O K
360 min Winter	0.100	0.100	0.0	2.7	Flood Risk
480 min Winter	0.103	0.103	0.0	2.8	Flood Risk
600 min Winter	0.105	0.105	0.0	2.8	Flood Risk
720 min Winter	0.105	0.105	0.0	2.9	Flood Risk
960 min Winter	0.105	0.105	0.0	2.8	Flood Risk
1440 min Winter	0.102	0.102	0.0	2.8	Flood Risk
2160 min Winter	0.098	0.098	0.0	2.7	O K
2880 min Winter	0.094	0.094	0.0	2.5	O K
4320 min Winter	0.086	0.086	0.0	2.3	O K
5760 min Winter	0.079	0.079	0.0	2.2	O K
7200 min Winter	0.074	0.074	0.0	2.0	O K
8640 min Winter	0.069	0.069	0.0	1.9	O K
10080 min Winter	0.064	0.064	0.0	1.7	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	57.683	0.0	33		
60 min Winter	36.448	0.0	62		
120 min Winter	22.639	0.0	122		
180 min Winter	16.928	0.0	180		
240 min Winter	13.676	0.0	238		
360 min Winter	10.003	0.0	356		
480 min Winter	7.960	0.0	470		
600 min Winter	6.652	0.0	584		
720 min Winter	5.738	0.0	698		
960 min Winter	4.539	0.0	914		
1440 min Winter	3.269	0.0	1168		
2160 min Winter	2.374	0.0	1620		
2880 min Winter	1.907	0.0	2072		
4320 min Winter	1.430	0.0	2940		
5760 min Winter	1.183	0.0	3752		
7200 min Winter	1.034	0.0	4608		
8640 min Winter	0.933	0.0	5360		
10080 min Winter	0.861	0.0	6144		
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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>0.00540</td> <td>Diameter/Width (m)</td> <td>5.5</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Length (m)</td> <td>5.2</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)	0.00540	Diameter/Width (m)	5.5	Safety Factor	2.0	Length (m)	5.2	Porosity	0.95	Cap Volume Depth (m)	0.000	Invert Level (m)	0.000		
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