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The Stables High Cogges, Witney Oxfordshire, OX29 6UN																																																																																																																																																																																																																							
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<u>Summary of Results for 100 year Return Period (+45%)</u> Half Drain Time : 139 minutes. <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>26.579</td><td>0.354</td><td>2.3</td><td>21.5</td><td>O K</td></tr><tr><td>30 min Summer</td><td>26.677</td><td>0.452</td><td>2.4</td><td>27.5</td><td>O K</td></tr><tr><td>60 min Summer</td><td>26.749</td><td>0.524</td><td>2.5</td><td>31.9</td><td>O K</td></tr><tr><td>120 min Summer</td><td>26.794</td><td>0.569</td><td>2.6</td><td>34.6</td><td>O K</td></tr><tr><td>180 min Summer</td><td>26.795</td><td>0.570</td><td>2.6</td><td>34.6</td><td>O K</td></tr><tr><td>240 min Summer</td><td>26.782</td><td>0.557</td><td>2.5</td><td>33.9</td><td>O K</td></tr><tr><td>360 min Summer</td><td>26.741</td><td>0.516</td><td>2.5</td><td>31.4</td><td>O K</td></tr><tr><td>480 min 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(m³)	Status	15 min Summer	26.579	0.354	2.3	21.5	O K	30 min Summer	26.677	0.452	2.4	27.5	O K	60 min Summer	26.749	0.524	2.5	31.9	O K	120 min Summer	26.794	0.569	2.6	34.6	O K	180 min Summer	26.795	0.570	2.6	34.6	O K	240 min Summer	26.782	0.557	2.5	33.9	O K	360 min Summer	26.741	0.516	2.5	31.4	O K	480 min Summer	26.697	0.472	2.5	28.7	O K	600 min Summer	26.653	0.428	2.4	26.0	O K	720 min Summer	26.611	0.386	2.4	23.5	O K	960 min Summer	26.534	0.309	2.3	18.8	O K	1440 min Summer	26.414	0.189	2.2	11.5	O K	2160 min Summer	26.308	0.083	2.1	5.0	O K	2880 min Summer	26.273	0.048	1.9	2.9	O K	4320 min Summer	26.259	0.034	1.4	2.1	O K	5760 min Summer	26.252	0.027	1.1	1.6	O K	15 min Winter	26.625	0.400	2.4	24.3	O K	30 min Winter	26.739	0.514	2.5	31.2	O K	60 min Winter	26.826	0.601	2.6	36.5	O K	120 min Winter	26.888	0.663	2.6	40.3	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	150.452	0.0	22	30 min Summer	100.137	0.0	36	60 min Summer	62.988	0.0	66	120 min 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Date 10/04/2025 09:22 File Soakaway 2.SRCX		Designed by Tim.Trotman Checked by			
Innovyze		Source Control 2020.1.3			
<u>Summary of Results for 100 year Return Period (+45%)</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
180 min Winter	26.886	0.661	2.6	40.2	O K
240 min Winter	26.870	0.645	2.6	39.2	O K
360 min Winter	26.813	0.588	2.6	35.7	O K
480 min Winter	26.747	0.522	2.5	31.8	O K
600 min Winter	26.683	0.458	2.4	27.9	O K
720 min Winter	26.622	0.397	2.4	24.1	O K
960 min Winter	26.513	0.288	2.3	17.5	O K
1440 min Winter	26.352	0.127	2.1	7.7	O K
2160 min Winter	26.270	0.045	1.8	2.7	O K
2880 min Winter	26.260	0.035	1.4	2.1	O K
4320 min Winter	26.250	0.025	1.0	1.5	O K
5760 min Winter	26.245	0.020	0.8	1.2	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
180 min Winter	29.619	0.0	152		
240 min Winter	23.900	0.0	190		
360 min Winter	17.393	0.0	266		
480 min Winter	13.762	0.0	340		
600 min Winter	11.427	0.0	412		
720 min Winter	9.794	0.0	480		
960 min Winter	7.641	0.0	610		
1440 min Winter	5.366	0.0	840		
2160 min Winter	3.752	0.0	1108		
2880 min Winter	2.914	0.0	1472		
4320 min Winter	2.055	0.0	2188		
5760 min Winter	1.615	0.0	2912		
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Innovyze	Source Control 2020.1.3																			
Model Details Storage is Online Cover Level (m) 28.600 Cellular Storage Structure Invert Level (m) 26.225 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.22356 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.22356 <table><thead><tr><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th></tr></thead><tbody><tr><td>0.000</td><td>64.0</td><td>64.0</td><td>0.900</td><td>0.0</td><td>89.6</td></tr><tr><td>0.800</td><td>64.0</td><td>89.6</td><td></td><td></td><td></td></tr></tbody></table>			Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	0.000	64.0	64.0	0.900	0.0	89.6	0.800	64.0	89.6			
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