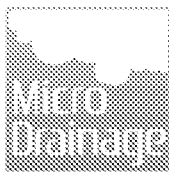
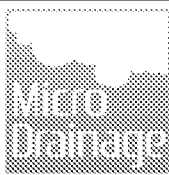


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<u>Summary of Results for 100 year Return Period (+40%)</u> Half Drain Time : 324 minutes. <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>4.826</td><td>0.496</td><td>0.4</td><td>10.4</td><td>○ K</td></tr><tr><td>30 min Summer</td><td>4.989</td><td>0.659</td><td>0.5</td><td>13.8</td><td>○ K</td></tr><tr><td>60 min Summer</td><td>5.153</td><td>0.823</td><td>0.6</td><td>17.2</td><td>○ K</td></tr><tr><td>120 min Summer</td><td>5.294</td><td>0.964</td><td>0.7</td><td>20.1</td><td>○ K</td></tr><tr><td>180 min Summer</td><td>5.345</td><td>1.015</td><td>0.7</td><td>21.2</td><td>○ K</td></tr><tr><td>240 min Summer</td><td>5.364</td><td>1.034</td><td>0.7</td><td>21.6</td><td>○ K</td></tr><tr><td>360 min Summer</td><td>5.388</td><td>1.058</td><td>0.8</td><td>22.1</td><td>○ K</td></tr><tr><td>480 min 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Summer	4.989	0.659	0.5	13.8	○ K	60 min Summer	5.153	0.823	0.6	17.2	○ K	120 min Summer	5.294	0.964	0.7	20.1	○ K	180 min Summer	5.345	1.015	0.7	21.2	○ K	240 min Summer	5.364	1.034	0.7	21.6	○ K	360 min Summer	5.388	1.058	0.8	22.1	○ K	480 min Summer	5.398	1.068	0.8	22.3	○ K	600 min Summer	5.399	1.069	0.8	22.3	○ K	720 min Summer	5.393	1.063	0.8	22.2	○ K	960 min Summer	5.373	1.043	0.8	21.8	○ K	1440 min Summer	5.318	0.988	0.7	20.6	○ K	2160 min Summer	5.231	0.901	0.6	18.8	○ K	2880 min Summer	5.155	0.825	0.6	17.3	○ K	4320 min Summer	5.038	0.708	0.5	14.8	○ K	5760 min Summer	4.952	0.622	0.4	13.0	○ K	7200 min Summer	4.887	0.557	0.4	11.6	○ K	8640 min Summer	4.836	0.506	0.4	10.6	○ K	10080 min Summer	4.795	0.465	0.3	9.7	○ K	15 min Winter	4.885	0.555	0.4	11.6	○ K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	125.186	0.0	19	30 min Summer	84.438	0.0	33	60 min Summer	54.368	0.0	62	120 min Summer	33.788	0.0	122	180 min Summer	25.189	0.0	180	240 min Summer	20.297	0.0	210	360 min Summer	14.957	0.0	270	480 min Summer	12.032	0.0	336	600 min Summer	10.154	0.0	404	720 min Summer	8.835	0.0	472	960 min Summer	7.086	0.0	608	1440 min Summer	5.183	0.0	880	2160 min Summer	3.782	0.0	1276	2880 min Summer	3.020	0.0	1648	4320 min Summer	2.195	0.0	2420	5760 min Summer	1.749	0.0	3168	7200 min Summer	1.466	0.0	3888	8640 min Summer	1.270	0.0	4584	10080 min Summer	1.125	0.0	5344	15 min Winter	125.186	0.0	18
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George Street		Wicks Farm			
Fishersgate BN41 1RA		Ford			
Date 31/07/2020		Designed by S Burgess			
File Crate Soakaway.SRCX		Checked by SRM			
Innovyze		Source Control 2020.1			
Summary of Results for 100 year Return Period (+40%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	5.068	0.738	0.5	15.4	OK
60 min Winter	5.253	0.923	0.7	19.3	OK
120 min Winter	5.414	1.084	0.8	22.6	OK
180 min Winter	5.476	1.146	0.8	23.9	OK
240 min Winter	5.496	1.166	0.8	24.4	OK
360 min Winter	5.514	1.184	0.9	24.7	OK
480 min Winter	5.517	1.187	0.9	24.8	OK
600 min Winter	5.507	1.177	0.8	24.6	OK
720 min Winter	5.491	1.161	0.8	24.3	OK
960 min Winter	5.450	1.120	0.8	23.4	OK
1440 min Winter	5.358	1.028	0.7	21.5	OK
2160 min Winter	5.234	0.904	0.7	18.9	OK
2880 min Winter	5.134	0.804	0.6	16.8	OK
4320 min Winter	4.987	0.657	0.5	13.7	OK
5760 min Winter	4.886	0.556	0.4	11.6	OK
7200 min Winter	4.814	0.484	0.3	10.1	OK
8640 min Winter	4.760	0.430	0.3	9.0	OK
10080 min Winter	4.717	0.387	0.3	8.1	OK
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)		
30 min Winter	84.438	0.0	33		
60 min Winter	54.368	0.0	62		
120 min Winter	33.788	0.0	118		
180 min Winter	25.189	0.0	174		
240 min Winter	20.297	0.0	226		
360 min Winter	14.957	0.0	280		
480 min Winter	12.632	0.0	356		
600 min Winter	10.154	0.0	434		
720 min Winter	8.835	0.0	506		
960 min Winter	7.086	0.0	654		
1440 min Winter	5.183	0.0	938		
2160 min Winter	3.782	0.0	1340		
2880 min Winter	3.020	0.0	1732		
4320 min Winter	2.195	0.0	2504		
5760 min Winter	1.749	0.0	3232		
7200 min Winter	1.466	0.0	3968		
8640 min Winter	1.270	0.0	4680		
10080 min Winter	1.125	0.0	5448		
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Innovyze Source Control 2020.1		

Model Details

Storage is Online Cover Level (m) 6.100

Cellular Storage Structure

Invert Level (m) 4.330 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.19944

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	22.0	22.0	1.201	0.0	53.2
1.200	22.0	53.2			

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