

Tribrach Associates		Page 1																																																																																																																																																																																													
14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX																																																																																																																																																																																														
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Summer	4.963	0.363	0.2	1.3	O K	480 min Summer	4.938	0.338	0.2	1.2	O K	600 min Summer	4.914	0.314	0.1	1.1	O K	720 min Summer	4.890	0.290	0.1	1.1	O K	960 min Summer	4.849	0.249	0.1	0.9	O K	1440 min Summer	4.781	0.181	0.1	0.7	O K	2160 min Summer	4.711	0.111	0.1	0.4	O K	2880 min Summer	4.669	0.069	0.1	0.3	O K	4320 min Summer	4.643	0.043	0.1	0.2	O K	5760 min Summer	4.635	0.035	0.1	0.1	O K	7200 min Summer	4.630	0.030	0.1	0.1	O K	8640 min Summer	4.626	0.026	0.1	0.1	O K	10080 min Summer	4.623	0.023	0.0	0.1	O K	15 min Winter	4.902	0.302	0.1	1.1	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	92	180 min Summer	11.113	126	240 min Summer	9.023	160	360 min Summer	6.722	230	480 min Summer	5.449	298	600 min Summer	4.628	364	720 min Summer	4.048	428	960 min Summer	3.277	558	1440 min Summer	2.430	806	2160 min Summer	1.801	1164	2880 min Summer	1.455	1500	4320 min Summer	1.077	2204	5760 min Summer	0.870	2936	7200 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Date 31st May 2011 File SA1-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
30 min Winter	4.979	0.379	0.2	1.4	O K
60 min Winter	5.036	0.436	0.2	1.6	O K
120 min Winter	5.056	0.456	0.2	1.7	O K
180 min Winter	5.050	0.450	0.2	1.6	O K
240 min Winter	5.035	0.435	0.2	1.6	O K
360 min Winter	4.996	0.396	0.2	1.4	O K
480 min Winter	4.957	0.357	0.2	1.3	O K
600 min Winter	4.920	0.320	0.2	1.2	O K
720 min Winter	4.885	0.285	0.1	1.0	O K
960 min Winter	4.826	0.226	0.1	0.8	O K
1440 min Winter	4.736	0.136	0.1	0.5	O K
2160 min Winter	4.656	0.056	0.1	0.2	O K
2880 min Winter	4.642	0.042	0.1	0.2	O K
4320 min Winter	4.632	0.032	0.1	0.1	O K
5760 min Winter	4.626	0.026	0.1	0.1	O K
7200 min Winter	4.622	0.022	0.0	0.1	O K
8640 min Winter	4.619	0.019	0.0	0.1	O K
10080 min Winter	4.617	0.017	0.0	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	31
60 min Winter	24.003	60
120 min Winter	14.844	96
180 min Winter	11.113	136
240 min Winter	9.023	174
360 min Winter	6.722	248
480 min Winter	5.449	318
600 min Winter	4.628	388
720 min Winter	4.048	456
960 min Winter	3.277	586
1440 min Winter	2.430	836
2160 min Winter	1.801	1144
2880 min Winter	1.455	1472
4320 min Winter	1.077	2200
5760 min Winter	0.870	2912
7200 min Winter	0.737	3632
8640 min Winter	0.644	4392
10080 min Winter	0.574	5144

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Model Details

Storage is Online Cover Level (m) 6.800

Cellular Storage Structure

Invert Level (m) 4.600 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	3.8	3.8	1.321	0.0	14.2
1.320	3.8	14.2			

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Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Half Drain Time : 94 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
15 min Summer	4.817	0.267	0.1	1.0	O K
30 min Summer	4.884	0.334	0.2	1.2	O K
60 min Summer	4.930	0.380	0.2	1.4	O K
120 min Summer	4.948	0.398	0.2	1.5	O K
180 min Summer	4.946	0.396	0.2	1.4	O K
240 min Summer	4.937	0.387	0.2	1.4	O K
360 min Summer	4.913	0.363	0.2	1.3	O K
480 min Summer	4.888	0.338	0.2	1.2	O K
600 min Summer	4.864	0.314	0.1	1.1	O K
720 min Summer	4.840	0.290	0.1	1.1	O K
960 min Summer	4.799	0.249	0.1	0.9	O K
1440 min Summer	4.731	0.181	0.1	0.7	O K
2160 min Summer	4.661	0.111	0.1	0.4	O K
2880 min Summer	4.619	0.069	0.1	0.3	O K
4320 min Summer	4.593	0.043	0.1	0.2	O K
5760 min Summer	4.585	0.035	0.1	0.1	O K
7200 min Summer	4.580	0.030	0.1	0.1	O K
8640 min Summer	4.576	0.026	0.1	0.1	O K
10080 min Summer	4.573	0.023	0.0	0.1	O K
15 min Winter	4.852	0.302	0.1	1.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
15 min Summer	57.378	18
30 min Summer	37.853	32
60 min Summer	24.003	60
120 min Summer	14.844	92
180 min Summer	11.113	126
240 min Summer	9.023	160
360 min Summer	6.722	230
480 min Summer	5.449	298
600 min Summer	4.628	364
720 min Summer	4.048	428
960 min Summer	3.277	558
1440 min Summer	2.430	806
2160 min Summer	1.801	1164
2880 min Summer	1.455	1500
4320 min Summer	1.077	2204
5760 min Summer	0.870	2936
7200 min Summer	0.737	3672
8640 min Summer	0.644	4384
10080 min Summer	0.574	5136
15 min Winter	57.378	18

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Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.929	0.379	0.2	1.4	O K
60 min Winter	4.986	0.436	0.2	1.6	O K
120 min Winter	5.006	0.456	0.2	1.7	O K
180 min Winter	5.000	0.450	0.2	1.6	O K
240 min Winter	4.985	0.435	0.2	1.6	O K
360 min Winter	4.946	0.396	0.2	1.4	O K
480 min Winter	4.907	0.357	0.2	1.3	O K
600 min Winter	4.870	0.320	0.2	1.2	O K
720 min Winter	4.835	0.285	0.1	1.0	O K
960 min Winter	4.776	0.226	0.1	0.8	O K
1440 min Winter	4.686	0.136	0.1	0.5	O K
2160 min Winter	4.606	0.056	0.1	0.2	O K
2880 min Winter	4.592	0.042	0.1	0.2	O K
4320 min Winter	4.582	0.032	0.1	0.1	O K
5760 min Winter	4.576	0.026	0.1	0.1	O K
7200 min Winter	4.572	0.022	0.0	0.1	O K
8640 min Winter	4.569	0.019	0.0	0.1	O K
10080 min Winter	4.567	0.017	0.0	0.1	O K

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30 min Winter	37.853	31
60 min Winter	24.003	60
120 min Winter	14.844	96
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Summer	4.431	0.431	0.2	2.1	O K	480 min Summer	4.406	0.406	0.2	2.0	O K	600 min Summer	4.381	0.381	0.2	1.9	O K	720 min Summer	4.356	0.356	0.2	1.7	O K	960 min Summer	4.311	0.311	0.2	1.5	O K	1440 min Summer	4.237	0.237	0.2	1.2	O K	2160 min Summer	4.155	0.155	0.2	0.8	O K	2880 min Summer	4.100	0.100	0.1	0.5	O K	4320 min Summer	4.049	0.049	0.1	0.2	O K	5760 min Summer	4.040	0.040	0.1	0.2	O K	7200 min Summer	4.034	0.034	0.1	0.2	O K	8640 min Summer	4.030	0.030	0.1	0.1	O K	10080 min Summer	4.027	0.027	0.1	0.1	O K	15 min Winter	4.342	0.342	0.2	1.7	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	96	180 min Summer	11.113	128	240 min Summer	9.023	164	360 min Summer	6.722	232	480 min Summer	5.449	302	600 min Summer	4.628	368	720 min Summer	4.048	434	960 min Summer	3.277	566	1440 min Summer	2.430	810	2160 min Summer	1.801	1172	2880 min Summer	1.455	1528	4320 min Summer	1.077	2200	5760 min Summer	0.870	2936	7200 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Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.432	0.432	0.2	2.1	O K
60 min Winter	4.502	0.502	0.2	2.4	O K
120 min Winter	4.529	0.529	0.2	2.6	O K
180 min Winter	4.528	0.528	0.2	2.6	O K
240 min Winter	4.514	0.514	0.2	2.5	O K
360 min Winter	4.477	0.477	0.2	2.3	O K
480 min Winter	4.436	0.436	0.2	2.1	O K
600 min Winter	4.397	0.397	0.2	1.9	O K
720 min Winter	4.361	0.361	0.2	1.8	O K
960 min Winter	4.296	0.296	0.2	1.4	O K
1440 min Winter	4.193	0.193	0.2	0.9	O K
2160 min Winter	4.092	0.092	0.1	0.4	O K
2880 min Winter	4.048	0.048	0.1	0.2	O K
4320 min Winter	4.036	0.036	0.1	0.2	O K
5760 min Winter	4.029	0.029	0.1	0.1	O K
7200 min Winter	4.025	0.025	0.1	0.1	O K
8640 min Winter	4.022	0.022	0.1	0.1	O K
10080 min Winter	4.019	0.019	0.1	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	32
60 min Winter	24.003	60
120 min Winter	14.844	100
180 min Winter	11.113	138
240 min Winter	9.023	176
360 min Winter	6.722	252
480 min Winter	5.449	324
600 min Winter	4.628	394
720 min Winter	4.048	462
960 min Winter	3.277	596
1440 min Winter	2.430	850
2160 min Winter	1.801	1192
2880 min Winter	1.455	1468
4320 min Winter	1.077	2204
5760 min Winter	0.870	2920
7200 min Winter	0.737	3680
8640 min Winter	0.644	4344
10080 min Winter	0.574	5112

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Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	10	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+0

Time / Area Diagram

Total Area (ha) 0.015

Time (mins)	Area (ha)
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0-4	0.015
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Summer	4.475	0.375	0.3	2.7	O K	480 min Summer	4.451	0.351	0.3	2.6	O K	600 min Summer	4.427	0.327	0.3	2.4	O K	720 min Summer	4.404	0.304	0.3	2.2	O K	960 min Summer	4.362	0.262	0.3	1.9	O K	1440 min Summer	4.292	0.192	0.2	1.4	O K	2160 min Summer	4.219	0.119	0.2	0.9	O K	2880 min Summer	4.173	0.073	0.2	0.5	O K	4320 min Summer	4.144	0.044	0.2	0.3	O K	5760 min Summer	4.136	0.036	0.1	0.3	O K	7200 min Summer	4.131	0.031	0.1	0.2	O K	8640 min Summer	4.127	0.027	0.1	0.2	O K	10080 min Summer	4.124	0.024	0.1	0.2	O K	15 min Winter	4.403	0.303	0.3	2.2	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	94	180 min Summer	11.113	128	240 min Summer	9.023	164	360 min Summer	6.722	232	480 min Summer	5.449	300	600 min Summer	4.628	368	720 min Summer	4.048	434	960 min Summer	3.277	560	1440 min Summer	2.430	808	2160 min Summer	1.801	1168	2880 min Summer	1.455	1500	4320 min Summer	1.077	2200	5760 min Summer	0.870	2936	7200 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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX	
Date 31st May 2011 File SA4-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.482	0.382	0.3	2.8	O K
60 min Winter	4.543	0.443	0.3	3.2	O K
120 min Winter	4.565	0.465	0.3	3.4	O K
180 min Winter	4.562	0.462	0.3	3.4	O K
240 min Winter	4.549	0.449	0.3	3.3	O K
360 min Winter	4.513	0.413	0.3	3.0	O K
480 min Winter	4.475	0.375	0.3	2.7	O K
600 min Winter	4.438	0.338	0.3	2.5	O K
720 min Winter	4.404	0.304	0.3	2.2	O K
960 min Winter	4.343	0.243	0.3	1.8	O K
1440 min Winter	4.247	0.147	0.2	1.1	O K
2160 min Winter	4.160	0.060	0.2	0.4	O K
2880 min Winter	4.143	0.043	0.2	0.3	O K
4320 min Winter	4.132	0.032	0.1	0.2	O K
5760 min Winter	4.126	0.026	0.1	0.2	O K
7200 min Winter	4.122	0.022	0.1	0.2	O K
8640 min Winter	4.119	0.019	0.1	0.1	O K
10080 min Winter	4.117	0.017	0.1	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	32
60 min Winter	24.003	60
120 min Winter	14.844	100
180 min Winter	11.113	138
240 min Winter	9.023	176
360 min Winter	6.722	252
480 min Winter	5.449	324
600 min Winter	4.628	392
720 min Winter	4.048	462
960 min Winter	3.277	594
1440 min Winter	2.430	838
2160 min Winter	1.801	1164
2880 min Winter	1.455	1468
4320 min Winter	1.077	2176
5760 min Winter	0.870	2912
7200 min Winter	0.737	3584
8640 min Winter	0.644	4264
10080 min Winter	0.574	4984

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Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	10	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+0

Time / Area Diagram

Total Area (ha) 0.020

Time (mins)	Area (ha)
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0-4	0.020
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Model Details

Storage is Online Cover Level (m) 6.400

Cellular Storage Structure

Invert Level (m) 4.100 Safety Factor 2.0
 Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
 Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	7.7	7.7	1.321	0.0	24.3
1.320	7.7	24.3			

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<u>Summary of Results for 10 year Return Period</u> Half Drain Time : 110 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>4.033</td><td>0.283</td><td>0.3</td><td>2.1</td><td>O K</td></tr><tr><td>30 min Summer</td><td>4.105</td><td>0.355</td><td>0.3</td><td>2.6</td><td>O K</td></tr><tr><td>60 min Summer</td><td>4.159</td><td>0.409</td><td>0.3</td><td>3.0</td><td>O K</td></tr><tr><td>120 min Summer</td><td>4.180</td><td>0.430</td><td>0.3</td><td>3.1</td><td>O K</td></tr><tr><td>180 min Summer</td><td>4.180</td><td>0.430</td><td>0.3</td><td>3.1</td><td>O K</td></tr><tr><td>240 min Summer</td><td>4.172</td><td>0.422</td><td>0.3</td><td>3.1</td><td>O K</td></tr><tr><td>360 min Summer</td><td>4.150</td><td>0.400</td><td>0.3</td><td>2.9</td><td>O K</td></tr><tr><td>480 min Summer</td><td>4.126</td><td>0.376</td><td>0.3</td><td>2.7</td><td>O K</td></tr><tr><td>600 min Summer</td><td>4.102</td><td>0.352</td><td>0.3</td><td>2.6</td><td>O K</td></tr><tr><td>720 min Summer</td><td>4.078</td><td>0.328</td><td>0.3</td><td>2.4</td><td>O K</td></tr><tr><td>960 min Summer</td><td>4.035</td><td>0.285</td><td>0.3</td><td>2.1</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>3.963</td><td>0.213</td><td>0.2</td><td>1.6</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>3.885</td><td>0.135</td><td>0.2</td><td>1.0</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>3.834</td><td>0.084</td><td>0.2</td><td>0.6</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>3.796</td><td>0.046</td><td>0.2</td><td>0.3</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>3.788</td><td>0.038</td><td>0.1</td><td>0.3</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>3.782</td><td>0.032</td><td>0.1</td><td>0.2</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>3.778</td><td>0.028</td><td>0.1</td><td>0.2</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>3.775</td><td>0.025</td><td>0.1</td><td>0.2</td><td>O K</td></tr><tr><td>15 min Winter</td><td>4.069</td><td>0.319</td><td>0.3</td><td>2.3</td><td>O K</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>57.378</td><td>18</td></tr><tr><td>30 min Summer</td><td>37.853</td><td>32</td></tr><tr><td>60 min Summer</td><td>24.003</td><td>60</td></tr><tr><td>120 min Summer</td><td>14.844</td><td>96</td></tr><tr><td>180 min Summer</td><td>11.113</td><td>128</td></tr><tr><td>240 min Summer</td><td>9.023</td><td>164</td></tr><tr><td>360 min Summer</td><td>6.722</td><td>232</td></tr><tr><td>480 min Summer</td><td>5.449</td><td>302</td></tr><tr><td>600 min Summer</td><td>4.628</td><td>368</td></tr><tr><td>720 min Summer</td><td>4.048</td><td>434</td></tr><tr><td>960 min Summer</td><td>3.277</td><td>566</td></tr><tr><td>1440 min Summer</td><td>2.430</td><td>810</td></tr><tr><td>2160 min Summer</td><td>1.801</td><td>1168</td></tr><tr><td>2880 min Summer</td><td>1.455</td><td>1524</td></tr><tr><td>4320 min Summer</td><td>1.077</td><td>2204</td></tr><tr><td>5760 min Summer</td><td>0.870</td><td>2920</td></tr><tr><td>7200 min Summer</td><td>0.737</td><td>3656</td></tr><tr><td>8640 min Summer</td><td>0.644</td><td>4392</td></tr><tr><td>10080 min Summer</td><td>0.574</td><td>5128</td></tr><tr><td>15 min Winter</td><td>57.378</td><td>18</td></tr></table>					Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status	15 min Summer	4.033	0.283	0.3	2.1	O K	30 min Summer	4.105	0.355	0.3	2.6	O K	60 min Summer	4.159	0.409	0.3	3.0	O K	120 min Summer	4.180	0.430	0.3	3.1	O K	180 min Summer	4.180	0.430	0.3	3.1	O K	240 min Summer	4.172	0.422	0.3	3.1	O K	360 min Summer	4.150	0.400	0.3	2.9	O K	480 min Summer	4.126	0.376	0.3	2.7	O K	600 min Summer	4.102	0.352	0.3	2.6	O K	720 min Summer	4.078	0.328	0.3	2.4	O K	960 min Summer	4.035	0.285	0.3	2.1	O K	1440 min Summer	3.963	0.213	0.2	1.6	O K	2160 min Summer	3.885	0.135	0.2	1.0	O K	2880 min Summer	3.834	0.084	0.2	0.6	O K	4320 min Summer	3.796	0.046	0.2	0.3	O K	5760 min Summer	3.788	0.038	0.1	0.3	O K	7200 min Summer	3.782	0.032	0.1	0.2	O K	8640 min Summer	3.778	0.028	0.1	0.2	O K	10080 min Summer	3.775	0.025	0.1	0.2	O K	15 min Winter	4.069	0.319	0.3	2.3	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	96	180 min Summer	11.113	128	240 min Summer	9.023	164	360 min Summer	6.722	232	480 min Summer	5.449	302	600 min Summer	4.628	368	720 min Summer	4.048	434	960 min Summer	3.277	566	1440 min Summer	2.430	810	2160 min Summer	1.801	1168	2880 min Summer	1.455	1524	4320 min Summer	1.077	2204	5760 min Summer	0.870	2920	7200 min Summer	0.737	3656	8640 min Summer	0.644	4392	10080 min Summer	0.574	5128	15 min Winter	57.378	18
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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX	
Date 31st May 2011 File SA5-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.153	0.403	0.3	2.9	O K
60 min Winter	4.218	0.468	0.3	3.4	O K
120 min Winter	4.243	0.493	0.3	3.6	O K
180 min Winter	4.242	0.492	0.3	3.6	O K
240 min Winter	4.229	0.479	0.3	3.5	O K
360 min Winter	4.193	0.443	0.3	3.2	O K
480 min Winter	4.154	0.404	0.3	2.9	O K
600 min Winter	4.117	0.367	0.3	2.7	O K
720 min Winter	4.081	0.331	0.3	2.4	O K
960 min Winter	4.018	0.268	0.3	2.0	O K
1440 min Winter	3.919	0.169	0.2	1.2	O K
2160 min Winter	3.823	0.073	0.2	0.5	O K
2880 min Winter	3.795	0.045	0.2	0.3	O K
4320 min Winter	3.784	0.034	0.1	0.2	O K
5760 min Winter	3.777	0.027	0.1	0.2	O K
7200 min Winter	3.773	0.023	0.1	0.2	O K
8640 min Winter	3.770	0.020	0.1	0.1	O K
10080 min Winter	3.768	0.018	0.1	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	32
60 min Winter	24.003	60
120 min Winter	14.844	100
180 min Winter	11.113	138
240 min Winter	9.023	176
360 min Winter	6.722	252
480 min Winter	5.449	324
600 min Winter	4.628	396
720 min Winter	4.048	464
960 min Winter	3.277	596
1440 min Winter	2.430	850
2160 min Winter	1.801	1188
2880 min Winter	1.455	1472
4320 min Winter	1.077	2200
5760 min Winter	0.870	2936
7200 min Winter	0.737	3640
8640 min Winter	0.644	4272
10080 min Winter	0.574	5088

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<u>Rainfall Details</u> <table> <tr> <td>Rainfall Model</td> <td>FSR</td> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Return Period (years)</td> <td>10</td> <td>Cv (Summer)</td> <td>0.750</td> </tr> <tr> <td>Region</td> <td>England and Wales</td> <td>Cv (Winter)</td> <td>0.840</td> </tr> <tr> <td>M5-60 (mm)</td> <td>20.000</td> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Ratio R</td> <td>0.350</td> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> <td>Climate Change %</td> <td>+0</td> </tr> </table> <u>Time / Area Diagram</u> Total Area (ha) 0.021 <table> <tr> <td>Time</td> <td>Area</td> </tr> <tr> <td>(mins)</td> <td>(ha)</td> </tr> <tr> <td>0-4</td> <td>0.021</td> </tr> </table>			Rainfall Model	FSR	Winter Storms	Yes	Return Period (years)	10	Cv (Summer)	0.750	Region	England and Wales	Cv (Winter)	0.840	M5-60 (mm)	20.000	Shortest Storm (mins)	15	Ratio R	0.350	Longest Storm (mins)	10080	Summer Storms	Yes	Climate Change %	+0	Time	Area	(mins)	(ha)	0-4	0.021
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Micro Drainage		Source Control W.12.6

Model Details

Storage is Online Cover Level (m) 6.050

Cellular Storage Structure

Invert Level (m) 3.750 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	7.7	7.7	1.321	0.0	24.3
1.320	7.7	24.3			

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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX	
Date 31st May 2011 File SA6-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Half Drain Time : 92 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
15 min Summer	4.472	0.322	0.4	3.1	O K
30 min Summer	4.552	0.402	0.5	3.9	O K
60 min Summer	4.606	0.456	0.5	4.4	O K
120 min Summer	4.629	0.479	0.5	4.7	O K
180 min Summer	4.628	0.478	0.5	4.6	O K
240 min Summer	4.617	0.467	0.5	4.5	O K
360 min Summer	4.590	0.440	0.5	4.3	O K
480 min Summer	4.562	0.412	0.5	4.0	O K
600 min Summer	4.535	0.385	0.5	3.7	O K
720 min Summer	4.509	0.359	0.5	3.5	O K
960 min Summer	4.463	0.313	0.4	3.0	O K
1440 min Summer	4.389	0.239	0.4	2.3	O K
2160 min Summer	4.310	0.160	0.3	1.6	O K
2880 min Summer	4.256	0.106	0.3	1.0	O K
4320 min Summer	4.201	0.051	0.3	0.5	O K
5760 min Summer	4.191	0.041	0.2	0.4	O K
7200 min Summer	4.185	0.035	0.2	0.3	O K
8640 min Summer	4.181	0.031	0.2	0.3	O K
10080 min Summer	4.177	0.027	0.2	0.3	O K
15 min Winter	4.513	0.363	0.5	3.5	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
15 min Summer	57.378	18
30 min Summer	37.853	32
60 min Summer	24.003	60
120 min Summer	14.844	90
180 min Summer	11.113	124
240 min Summer	9.023	160
360 min Summer	6.722	228
480 min Summer	5.449	296
600 min Summer	4.628	362
720 min Summer	4.048	428
960 min Summer	3.277	558
1440 min Summer	2.430	808
2160 min Summer	1.801	1168
2880 min Summer	1.455	1528
4320 min Summer	1.077	2204
5760 min Summer	0.870	2912
7200 min Summer	0.737	3672
8640 min Summer	0.644	4376
10080 min Summer	0.574	5096
15 min Winter	57.378	18

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Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.605	0.455	0.5	4.4	O K
60 min Winter	4.672	0.522	0.6	5.1	O K
120 min Winter	4.697	0.547	0.6	5.3	O K
180 min Winter	4.691	0.541	0.6	5.3	O K
240 min Winter	4.673	0.523	0.6	5.1	O K
360 min Winter	4.629	0.479	0.5	4.7	O K
480 min Winter	4.585	0.435	0.5	4.2	O K
600 min Winter	4.544	0.394	0.5	3.8	O K
720 min Winter	4.507	0.357	0.5	3.5	O K
960 min Winter	4.442	0.292	0.4	2.8	O K
1440 min Winter	4.344	0.194	0.4	1.9	O K
2160 min Winter	4.248	0.098	0.3	1.0	O K
2880 min Winter	4.200	0.050	0.3	0.5	O K
4320 min Winter	4.187	0.037	0.2	0.4	O K
5760 min Winter	4.180	0.030	0.2	0.3	O K
7200 min Winter	4.175	0.025	0.1	0.2	O K
8640 min Winter	4.172	0.022	0.1	0.2	O K
10080 min Winter	4.170	0.020	0.1	0.2	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	31
60 min Winter	24.003	58
120 min Winter	14.844	96
180 min Winter	11.113	134
240 min Winter	9.023	172
360 min Winter	6.722	246
480 min Winter	5.449	316
600 min Winter	4.628	386
720 min Winter	4.048	454
960 min Winter	3.277	586
1440 min Winter	2.430	838
2160 min Winter	1.801	1192
2880 min Winter	1.455	1468
4320 min Winter	1.077	2204
5760 min Winter	0.870	2936
7200 min Winter	0.737	3672
8640 min Winter	0.644	4376
10080 min Winter	0.574	4976

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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX	
Date 31st May 2011 File SA6-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Model Details

Storage is Online Cover Level (m) 6.350

Cellular Storage Structure

Invert Level (m) 4.150 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	10.2	10.2	1.321	0.0	45.6
1.320	10.2	45.6			

Tribrach Associates		Page 1																																																																																																																																																																																													
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Summer	4.451	0.401	0.3	1.9	O K	480 min Summer	4.423	0.373	0.2	1.8	O K	600 min Summer	4.396	0.346	0.2	1.7	O K	720 min Summer	4.371	0.321	0.2	1.6	O K	960 min Summer	4.327	0.277	0.2	1.3	O K	1440 min Summer	4.257	0.207	0.2	1.0	O K	2160 min Summer	4.184	0.134	0.2	0.7	O K	2880 min Summer	4.137	0.087	0.2	0.4	O K	4320 min Summer	4.097	0.047	0.1	0.2	O K	5760 min Summer	4.088	0.038	0.1	0.2	O K	7200 min Summer	4.083	0.033	0.1	0.2	O K	8640 min Summer	4.079	0.029	0.1	0.1	O K	10080 min Summer	4.076	0.026	0.1	0.1	O K	15 min Winter	4.388	0.338	0.2	1.6	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	58	120 min Summer	14.844	90	180 min Summer	11.113	124	240 min Summer	9.023	158	360 min Summer	6.722	228	480 min Summer	5.449	294	600 min Summer	4.628	362	720 min Summer	4.048	426	960 min Summer	3.277	552	1440 min Summer	2.430	796	2160 min Summer	1.801	1164	2880 min Summer	1.455	1504	4320 min Summer	1.077	2200	5760 min Summer	0.870	2936	7200 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Date 31st May 2011 File SA7-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.473	0.423	0.3	2.1	O K
60 min Winter	4.533	0.483	0.3	2.3	O K
120 min Winter	4.553	0.503	0.3	2.4	O K
180 min Winter	4.545	0.495	0.3	2.4	O K
240 min Winter	4.526	0.476	0.3	2.3	O K
360 min Winter	4.483	0.433	0.3	2.1	O K
480 min Winter	4.440	0.390	0.3	1.9	O K
600 min Winter	4.400	0.350	0.2	1.7	O K
720 min Winter	4.364	0.314	0.2	1.5	O K
960 min Winter	4.303	0.253	0.2	1.2	O K
1440 min Winter	4.211	0.161	0.2	0.8	O K
2160 min Winter	4.126	0.076	0.1	0.4	O K
2880 min Winter	4.096	0.046	0.1	0.2	O K
4320 min Winter	4.084	0.034	0.1	0.2	O K
5760 min Winter	4.078	0.028	0.1	0.1	O K
7200 min Winter	4.074	0.024	0.1	0.1	O K
8640 min Winter	4.071	0.021	0.1	0.1	O K
10080 min Winter	4.068	0.018	0.1	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	31
60 min Winter	24.003	58
120 min Winter	14.844	94
180 min Winter	11.113	132
240 min Winter	9.023	170
360 min Winter	6.722	244
480 min Winter	5.449	314
600 min Winter	4.628	384
720 min Winter	4.048	450
960 min Winter	3.277	578
1440 min Winter	2.430	826
2160 min Winter	1.801	1172
2880 min Winter	1.455	1468
4320 min Winter	1.077	2204
5760 min Winter	0.870	2936
7200 min Winter	0.737	3616
8640 min Winter	0.644	4392
10080 min Winter	0.574	5144

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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX	
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Micro Drainage		Source Control W.12.6

Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	10	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.000	Shortest Storm (mins)	15
Ratio R	0.350	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+0

Time / Area Diagram

Total Area (ha) 0.015

Time (mins)	Area (ha)
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0-4	0.015
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14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX																			
Date 31st May 2011 File SA7-10yr.srcx	Designed by BRC Checked by																			
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<u>Model Details</u> Storage is Online Cover Level (m) 6.550 <u>Cellular Storage Structure</u> Invert Level (m) 4.050 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.17136 <table border="1" style="width: 100%; border-collapse: collapse;"> <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>5.1</td> <td>5.1</td> <td>1.321</td> <td>0.0</td> <td>23.8</td> </tr> <tr> <td>1.320</td> <td>5.1</td> <td>23.8</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	0.000	5.1	5.1	1.321	0.0	23.8	1.320	5.1	23.8			
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Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Half Drain Time : 78 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
15 min Summer	4.895	0.295	0.2	1.3	O K
30 min Summer	4.966	0.366	0.2	1.6	O K
60 min Summer	5.012	0.412	0.2	1.8	O K
120 min Summer	5.030	0.430	0.2	1.8	O K
180 min Summer	5.026	0.426	0.2	1.8	O K
240 min Summer	5.014	0.414	0.2	1.8	O K
360 min Summer	4.986	0.386	0.2	1.6	O K
480 min Summer	4.957	0.357	0.2	1.5	O K
600 min Summer	4.931	0.331	0.2	1.4	O K
720 min Summer	4.906	0.306	0.2	1.3	O K
960 min Summer	4.863	0.263	0.2	1.1	O K
1440 min Summer	4.795	0.195	0.2	0.8	O K
2160 min Summer	4.725	0.125	0.1	0.5	O K
2880 min Summer	4.681	0.081	0.1	0.3	O K
4320 min Summer	4.646	0.046	0.1	0.2	O K
5760 min Summer	4.637	0.037	0.1	0.2	O K
7200 min Summer	4.632	0.032	0.1	0.1	O K
8640 min Summer	4.628	0.028	0.1	0.1	O K
10080 min Summer	4.625	0.025	0.1	0.1	O K
15 min Winter	4.933	0.333	0.2	1.4	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
15 min Summer	57.378	17
30 min Summer	37.853	31
60 min Summer	24.003	56
120 min Summer	14.844	88
180 min Summer	11.113	122
240 min Summer	9.023	156
360 min Summer	6.722	226
480 min Summer	5.449	292
600 min Summer	4.628	358
720 min Summer	4.048	422
960 min Summer	3.277	550
1440 min Summer	2.430	794
2160 min Summer	1.801	1148
2880 min Summer	1.455	1500
4320 min Summer	1.077	2200
5760 min Summer	0.870	2936
7200 min Summer	0.737	3672
8640 min Summer	0.644	4408
10080 min Summer	0.574	5136
15 min Winter	57.378	17

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Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (1/s)	Max Volume (m ³)	Status
30 min Winter	5.016	0.416	0.2	1.8	O K
60 min Winter	5.071	0.471	0.3	2.0	O K
120 min Winter	5.088	0.488	0.3	2.1	O K
180 min Winter	5.078	0.478	0.3	2.0	O K
240 min Winter	5.058	0.458	0.3	2.0	O K
360 min Winter	5.013	0.413	0.2	1.8	O K
480 min Winter	4.970	0.370	0.2	1.6	O K
600 min Winter	4.931	0.331	0.2	1.4	O K
720 min Winter	4.896	0.296	0.2	1.3	O K
960 min Winter	4.836	0.236	0.2	1.0	O K
1440 min Winter	4.749	0.149	0.2	0.6	O K
2160 min Winter	4.669	0.069	0.1	0.3	O K
2880 min Winter	4.645	0.045	0.1	0.2	O K
4320 min Winter	4.634	0.034	0.1	0.1	O K
5760 min Winter	4.627	0.027	0.1	0.1	O K
7200 min Winter	4.623	0.023	0.1	0.1	O K
8640 min Winter	4.620	0.020	0.0	0.1	O K
10080 min Winter	4.618	0.018	0.0	0.1	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	31
60 min Winter	24.003	58
120 min Winter	14.844	94
180 min Winter	11.113	132
240 min Winter	9.023	170
360 min Winter	6.722	242
480 min Winter	5.449	312
600 min Winter	4.628	380
720 min Winter	4.048	446
960 min Winter	3.277	576
1440 min Winter	2.430	822
2160 min Winter	1.801	1168
2880 min Winter	1.455	1468
4320 min Winter	1.077	2196
5760 min Winter	0.870	2896
7200 min Winter	0.737	3632
8640 min Winter	0.644	4312
10080 min Winter	0.574	5080

Tribrach Associates		Page 3																												
14 Eversley Road Bexhill-on-Sea East Sussex TN40 1EU	HEARNFIELD ROAD LITTLEHAMPTON WEST SUSSEX																													
Date 31st May 2011 File SA8-10yr.srcx	Designed by BRC Checked by																													
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Date 31st May 2011 File SA8-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Model Details

Storage is Online Cover Level (m) 6.700

Cellular Storage Structure

Invert Level (m) 4.600 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	4.5	4.5	1.321	0.0	21.1
1.200	4.5	21.1			

Tribrach Associates		Page 1																																																																																																																																																																																													
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Summer	4.749	0.449	0.4	4.1	O K	480 min Summer	4.726	0.426	0.4	3.9	O K	600 min Summer	4.702	0.402	0.3	3.7	O K	720 min Summer	4.678	0.378	0.3	3.4	O K	960 min Summer	4.634	0.334	0.3	3.0	O K	1440 min Summer	4.557	0.257	0.3	2.3	O K	2160 min Summer	4.469	0.169	0.3	1.5	O K	2880 min Summer	4.409	0.109	0.3	1.0	O K	4320 min Summer	4.350	0.050	0.2	0.5	O K	5760 min Summer	4.341	0.041	0.2	0.4	O K	7200 min Summer	4.335	0.035	0.2	0.3	O K	8640 min Summer	4.330	0.030	0.1	0.3	O K	10080 min Summer	4.327	0.027	0.1	0.2	O K	15 min Winter	4.643	0.343	0.3	3.1	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	102	180 min Summer	11.113	134	240 min Summer	9.023	168	360 min Summer	6.722	238	480 min Summer	5.449	306	600 min Summer	4.628	374	720 min Summer	4.048	442	960 min Summer	3.277	570	1440 min Summer	2.430	824	2160 min Summer	1.801	1188	2880 min Summer	1.455	1532	4320 min Summer	1.077	2204	5760 min Summer	0.870	2936	7200 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Date 31st May 2011 File SA9-10yr.srcx	Designed by BRC Checked by	
Micro Drainage		Source Control W.12.6

Summary of Results for 10 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m ³)	Status
30 min Winter	4.735	0.435	0.4	4.0	O K
60 min Winter	4.810	0.510	0.4	4.7	O K
120 min Winter	4.847	0.547	0.4	5.0	O K
180 min Winter	4.846	0.546	0.4	5.0	O K
240 min Winter	4.836	0.536	0.4	4.9	O K
360 min Winter	4.804	0.504	0.4	4.6	O K
480 min Winter	4.766	0.466	0.4	4.2	O K
600 min Winter	4.728	0.428	0.4	3.9	O K
720 min Winter	4.692	0.392	0.3	3.6	O K
960 min Winter	4.625	0.325	0.3	3.0	O K
1440 min Winter	4.516	0.216	0.3	2.0	O K
2160 min Winter	4.402	0.102	0.3	0.9	O K
2880 min Winter	4.349	0.049	0.2	0.4	O K
4320 min Winter	4.337	0.037	0.2	0.3	O K
5760 min Winter	4.330	0.030	0.1	0.3	O K
7200 min Winter	4.325	0.025	0.1	0.2	O K
8640 min Winter	4.322	0.022	0.1	0.2	O K
10080 min Winter	4.320	0.020	0.1	0.2	O K

Storm Event	Rain (mm/hr)	Time-Peak (mins)
30 min Winter	37.853	32
60 min Winter	24.003	60
120 min Winter	14.844	114
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240 min Winter	9.023	180
360 min Winter	6.722	256
480 min Winter	5.449	330
600 min Winter	4.628	402
720 min Winter	4.048	472
960 min Winter	3.277	608
1440 min Winter	2.430	866
2160 min Winter	1.801	1212
2880 min Winter	1.455	1468
4320 min Winter	1.077	2204
5760 min Winter	0.870	2936
7200 min Winter	0.737	3648
8640 min Winter	0.644	4376
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Micro Drainage		Source Control W.12.6

Model Details

Storage is Online Cover Level (m) 6.600

Cellular Storage Structure

Invert Level (m) 4.300 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	9.6	9.6	1.321	0.0	26.2
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Summer	4.506	0.356	0.3	2.6	O K	480 min Summer	4.482	0.332	0.3	2.4	O K	600 min Summer	4.459	0.309	0.3	2.3	O K	720 min Summer	4.437	0.287	0.3	2.1	O K	960 min Summer	4.396	0.246	0.2	1.8	O K	1440 min Summer	4.328	0.178	0.2	1.3	O K	2160 min Summer	4.257	0.107	0.2	0.8	O K	2880 min Summer	4.215	0.065	0.2	0.5	O K	4320 min Summer	4.192	0.042	0.2	0.3	O K	5760 min Summer	4.184	0.034	0.1	0.3	O K	7200 min Summer	4.179	0.029	0.1	0.2	O K	8640 min Summer	4.176	0.026	0.1	0.2	O K	10080 min Summer	4.173	0.023	0.1	0.2	O K	15 min Winter	4.438	0.288	0.3	2.1	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	96	180 min Summer	11.113	128	240 min Summer	9.023	164	360 min Summer	6.722	232	480 min Summer	5.449	302	600 min Summer	4.628	368	720 min Summer	4.048	434	960 min Summer	3.277	560	1440 min Summer	2.430	808	2160 min Summer	1.801	1164	2880 min Summer	1.455	1500	4320 min Summer	1.077	2204	5760 min Summer	0.870	2936	7200 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Model Details

Storage is Online Cover Level (m) 6.450

Cellular Storage Structure

Invert Level (m) 4.150 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.17136

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	7.7	7.7	1.321	0.0	22.2
1.320	7.7	22.2			

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Summer	4.650	0.400	0.3	2.9	O K	480 min Summer	4.626	0.376	0.3	2.7	O K	600 min Summer	4.602	0.352	0.3	2.6	O K	720 min Summer	4.578	0.328	0.3	2.4	O K	960 min Summer	4.535	0.285	0.3	2.1	O K	1440 min Summer	4.463	0.213	0.2	1.6	O K	2160 min Summer	4.385	0.135	0.2	1.0	O K	2880 min Summer	4.334	0.084	0.2	0.6	O K	4320 min Summer	4.296	0.046	0.2	0.3	O K	5760 min Summer	4.288	0.038	0.1	0.3	O K	7200 min Summer	4.282	0.032	0.1	0.2	O K	8640 min Summer	4.278	0.028	0.1	0.2	O K	10080 min Summer	4.275	0.025	0.1	0.2	O K	15 min Winter	4.569	0.319	0.3	2.3	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	57.378	18	30 min Summer	37.853	32	60 min Summer	24.003	60	120 min Summer	14.844	96	180 min Summer	11.113	128	240 min Summer	9.023	164	360 min Summer	6.722	232	480 min Summer	5.449	302	600 min Summer	4.628	368	720 min Summer	4.048	434	960 min Summer	3.277	566	1440 min Summer	2.430	810	2160 min Summer	1.801	1168	2880 min Summer	1.455	1524	4320 min Summer	1.077	2204	5760 min Summer	0.870	2920	7200 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<u>Model Details</u> Storage is Online Cover Level (m) 6.350 <u>Cellular Storage Structure</u> Invert Level (m) 4.250 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.17136 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.17136 <table border="1" style="width: 100%; border-collapse: collapse;"> <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>7.7</td> <td>7.7</td> <td>1.321</td> <td>0.0</td> <td>24.3</td> </tr> <tr> <td>1.320</td> <td>7.7</td> <td>24.3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	0.000	7.7	7.7	1.321	0.0	24.3	1.320	7.7	24.3			
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