

Robert Clark Associates				Page 1																																																																																																																																																																																																																			
Willow Cottage Herne Lane Rustington BN16 3EE		Walberton Farm SA1 FEH 22 rainfall data																																																																																																																																																																																																																					
Date 8.8.26 File SA1 calcs 100yr rain.SRCX		Designed by RTFC Checked by																																																																																																																																																																																																																					
Micro Drainage		Source Control 2016.1																																																																																																																																																																																																																					
<u>Summary of Results for 100 year Return Period (+45%)</u> Half Drain Time : 74 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>12.662</td><td>1.037</td><td>1.4</td><td>8.9</td><td>O K</td></tr><tr><td>30 min Summer</td><td>12.810</td><td>1.185</td><td>1.6</td><td>10.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>12.907</td><td>1.282</td><td>1.8</td><td>10.9</td><td>O K</td></tr><tr><td>120 min Summer</td><td>12.975</td><td>1.350</td><td>1.9</td><td>11.5</td><td>O K</td></tr><tr><td>180 min Summer</td><td>12.983</td><td>1.358</td><td>1.9</td><td>11.6</td><td>O K</td></tr><tr><td>240 min Summer</td><td>12.967</td><td>1.342</td><td>1.9</td><td>11.5</td><td>O K</td></tr><tr><td>360 min Summer</td><td>12.908</td><td>1.283</td><td>1.8</td><td>11.0</td><td>O K</td></tr><tr><td>480 min Summer</td><td>12.841</td><td>1.216</td><td>1.7</td><td>10.4</td><td>O K</td></tr><tr><td>600 min Summer</td><td>12.778</td><td>1.153</td><td>1.6</td><td>9.8</td><td>O K</td></tr><tr><td>720 min Summer</td><td>12.720</td><td>1.095</td><td>1.5</td><td>9.3</td><td>O K</td></tr><tr><td>960 min Summer</td><td>12.581</td><td>0.956</td><td>1.3</td><td>8.2</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>12.396</td><td>0.771</td><td>1.1</td><td>6.6</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>12.228</td><td>0.603</td><td>0.8</td><td>5.1</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>12.123</td><td>0.498</td><td>0.7</td><td>4.3</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>12.019</td><td>0.394</td><td>0.5</td><td>3.4</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>11.956</td><td>0.331</td><td>0.5</td><td>2.8</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>11.912</td><td>0.287</td><td>0.4</td><td>2.5</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>11.880</td><td>0.255</td><td>0.4</td><td>2.2</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>11.855</td><td>0.230</td><td>0.3</td><td>2.0</td><td>O K</td></tr><tr><td>15 min Winter</td><td>12.664</td><td>1.039</td><td>1.4</td><td>8.9</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>167.647</td><td>0.0</td><td>17</td></tr><tr><td>30 min Summer</td><td>102.160</td><td>0.0</td><td>31</td></tr><tr><td>60 min Summer</td><td>62.253</td><td>0.0</td><td>50</td></tr><tr><td>120 min Summer</td><td>37.935</td><td>0.0</td><td>84</td></tr><tr><td>180 min Summer</td><td>28.393</td><td>0.0</td><td>118</td></tr><tr><td>240 min Summer</td><td>23.117</td><td>0.0</td><td>152</td></tr><tr><td>360 min Summer</td><td>17.302</td><td>0.0</td><td>218</td></tr><tr><td>480 min Summer</td><td>14.087</td><td>0.0</td><td>284</td></tr><tr><td>600 min Summer</td><td>12.010</td><td>0.0</td><td>346</td></tr><tr><td>720 min Summer</td><td>10.543</td><td>0.0</td><td>410</td></tr><tr><td>960 min Summer</td><td>8.240</td><td>0.0</td><td>532</td></tr><tr><td>1440 min Summer</td><td>5.823</td><td>0.0</td><td>780</td></tr><tr><td>2160 min Summer</td><td>4.114</td><td>0.0</td><td>1144</td></tr><tr><td>2880 min Summer</td><td>3.215</td><td>0.0</td><td>1500</td></tr><tr><td>4320 min Summer</td><td>2.397</td><td>0.0</td><td>2244</td></tr><tr><td>5760 min Summer</td><td>1.946</td><td>0.0</td><td>2944</td></tr><tr><td>7200 min Summer</td><td>1.655</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>1.451</td><td>0.0</td><td>4408</td></tr><tr><td>10080 min Summer</td><td>1.297</td><td>0.0</td><td>5144</td></tr><tr><td>15 min Winter</td><td>167.647</td><td>0.0</td><td>17</td></tr></tbody></table>						Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	12.662	1.037	1.4	8.9	O K	30 min Summer	12.810	1.185	1.6	10.1	O K	60 min Summer	12.907	1.282	1.8	10.9	O K	120 min Summer	12.975	1.350	1.9	11.5	O K	180 min Summer	12.983	1.358	1.9	11.6	O K	240 min Summer	12.967	1.342	1.9	11.5	O K	360 min Summer	12.908	1.283	1.8	11.0	O K	480 min Summer	12.841	1.216	1.7	10.4	O K	600 min Summer	12.778	1.153	1.6	9.8	O K	720 min Summer	12.720	1.095	1.5	9.3	O K	960 min Summer	12.581	0.956	1.3	8.2	O K	1440 min Summer	12.396	0.771	1.1	6.6	O K	2160 min Summer	12.228	0.603	0.8	5.1	O K	2880 min Summer	12.123	0.498	0.7	4.3	O K	4320 min Summer	12.019	0.394	0.5	3.4	O K	5760 min Summer	11.956	0.331	0.5	2.8	O K	7200 min Summer	11.912	0.287	0.4	2.5	O K	8640 min Summer	11.880	0.255	0.4	2.2	O K	10080 min Summer	11.855	0.230	0.3	2.0	O K	15 min Winter	12.664	1.039	1.4	8.9	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	15 min Summer	167.647	0.0	17	30 min Summer	102.160	0.0	31	60 min Summer	62.253	0.0	50	120 min Summer	37.935	0.0	84	180 min Summer	28.393	0.0	118	240 min Summer	23.117	0.0	152	360 min Summer	17.302	0.0	218	480 min Summer	14.087	0.0	284	600 min Summer	12.010	0.0	346	720 min Summer	10.543	0.0	410	960 min Summer	8.240	0.0	532	1440 min Summer	5.823	0.0	780	2160 min Summer	4.114	0.0	1144	2880 min Summer	3.215	0.0	1500	4320 min Summer	2.397	0.0	2244	5760 min Summer	1.946	0.0	2944	7200 min Summer	1.655	0.0	3672	8640 min Summer	1.451	0.0	4408	10080 min Summer	1.297	0.0	5144	15 min Winter	167.647	0.0	17
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status																																																																																																																																																																																																																		
15 min Summer	12.662	1.037	1.4	8.9	O K																																																																																																																																																																																																																		
30 min Summer	12.810	1.185	1.6	10.1	O K																																																																																																																																																																																																																		
60 min Summer	12.907	1.282	1.8	10.9	O K																																																																																																																																																																																																																		
120 min Summer	12.975	1.350	1.9	11.5	O K																																																																																																																																																																																																																		
180 min Summer	12.983	1.358	1.9	11.6	O K																																																																																																																																																																																																																		
240 min Summer	12.967	1.342	1.9	11.5	O K																																																																																																																																																																																																																		
360 min Summer	12.908	1.283	1.8	11.0	O K																																																																																																																																																																																																																		
480 min Summer	12.841	1.216	1.7	10.4	O K																																																																																																																																																																																																																		
600 min Summer	12.778	1.153	1.6	9.8	O K																																																																																																																																																																																																																		
720 min Summer	12.720	1.095	1.5	9.3	O K																																																																																																																																																																																																																		
960 min Summer	12.581	0.956	1.3	8.2	O K																																																																																																																																																																																																																		
1440 min Summer	12.396	0.771	1.1	6.6	O K																																																																																																																																																																																																																		
2160 min Summer	12.228	0.603	0.8	5.1	O K																																																																																																																																																																																																																		
2880 min Summer	12.123	0.498	0.7	4.3	O K																																																																																																																																																																																																																		
4320 min Summer	12.019	0.394	0.5	3.4	O K																																																																																																																																																																																																																		
5760 min Summer	11.956	0.331	0.5	2.8	O K																																																																																																																																																																																																																		
7200 min Summer	11.912	0.287	0.4	2.5	O K																																																																																																																																																																																																																		
8640 min Summer	11.880	0.255	0.4	2.2	O K																																																																																																																																																																																																																		
10080 min Summer	11.855	0.230	0.3	2.0	O K																																																																																																																																																																																																																		
15 min Winter	12.664	1.039	1.4	8.9	O K																																																																																																																																																																																																																		
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																																				
15 min Summer	167.647	0.0	17																																																																																																																																																																																																																				
30 min Summer	102.160	0.0	31																																																																																																																																																																																																																				
60 min Summer	62.253	0.0	50																																																																																																																																																																																																																				
120 min Summer	37.935	0.0	84																																																																																																																																																																																																																				
180 min Summer	28.393	0.0	118																																																																																																																																																																																																																				
240 min Summer	23.117	0.0	152																																																																																																																																																																																																																				
360 min Summer	17.302	0.0	218																																																																																																																																																																																																																				
480 min Summer	14.087	0.0	284																																																																																																																																																																																																																				
600 min Summer	12.010	0.0	346																																																																																																																																																																																																																				
720 min Summer	10.543	0.0	410																																																																																																																																																																																																																				
960 min Summer	8.240	0.0	532																																																																																																																																																																																																																				
1440 min Summer	5.823	0.0	780																																																																																																																																																																																																																				
2160 min Summer	4.114	0.0	1144																																																																																																																																																																																																																				
2880 min Summer	3.215	0.0	1500																																																																																																																																																																																																																				
4320 min Summer	2.397	0.0	2244																																																																																																																																																																																																																				
5760 min Summer	1.946	0.0	2944																																																																																																																																																																																																																				
7200 min Summer	1.655	0.0	3672																																																																																																																																																																																																																				
8640 min Summer	1.451	0.0	4408																																																																																																																																																																																																																				
10080 min Summer	1.297	0.0	5144																																																																																																																																																																																																																				
15 min Winter	167.647	0.0	17																																																																																																																																																																																																																				
©1982-2016 XP Solutions																																																																																																																																																																																																																							

Robert Clark Associates				Page 2																																																																																																																																																																																															
Willow Cottage Herne Lane Rustington BN16 3EE		Walberton Farm SA1 FEH 22 rainfall data																																																																																																																																																																																																	
Date 8.8.26 File SA1 calcs 100yr rain.SRCX		Designed by RTFC Checked by																																																																																																																																																																																																	
Micro Drainage		Source Control 2016.1																																																																																																																																																																																																	
<u>Summary of Results for 100 year Return Period (+45%)</u> <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>30 min Winter</td><td>12.815</td><td>1.190</td><td>1.6</td><td>10.2</td><td>O K</td></tr><tr><td>60 min Winter</td><td>12.910</td><td>1.285</td><td>1.8</td><td>11.0</td><td>O K</td></tr><tr><td>120 min Winter</td><td>12.957</td><td>1.332</td><td>1.8</td><td>11.4</td><td>O K</td></tr><tr><td>180 min Winter</td><td>12.937</td><td>1.312</td><td>1.8</td><td>11.2</td><td>O K</td></tr><tr><td>240 min Winter</td><td>12.896</td><td>1.271</td><td>1.8</td><td>10.9</td><td>O K</td></tr><tr><td>360 min Winter</td><td>12.801</td><td>1.176</td><td>1.6</td><td>10.0</td><td>O K</td></tr><tr><td>480 min Winter</td><td>12.709</td><td>1.084</td><td>1.5</td><td>9.3</td><td>O K</td></tr><tr><td>600 min Winter</td><td>12.629</td><td>1.004</td><td>1.4</td><td>8.6</td><td>O K</td></tr><tr><td>720 min Winter</td><td>12.559</td><td>0.934</td><td>1.3</td><td>8.0</td><td>O K</td></tr><tr><td>960 min Winter</td><td>12.413</td><td>0.788</td><td>1.1</td><td>6.7</td><td>O K</td></tr><tr><td>1440 min Winter</td><td>12.227</td><td>0.602</td><td>0.8</td><td>5.1</td><td>O K</td></tr><tr><td>2160 min Winter</td><td>12.073</td><td>0.448</td><td>0.6</td><td>3.8</td><td>O K</td></tr><tr><td>2880 min Winter</td><td>11.984</td><td>0.359</td><td>0.5</td><td>3.1</td><td>O K</td></tr><tr><td>4320 min Winter</td><td>11.898</td><td>0.273</td><td>0.4</td><td>2.3</td><td>O K</td></tr><tr><td>5760 min Winter</td><td>11.849</td><td>0.224</td><td>0.3</td><td>1.9</td><td>O K</td></tr><tr><td>7200 min Winter</td><td>11.816</td><td>0.191</td><td>0.3</td><td>1.6</td><td>O K</td></tr><tr><td>8640 min Winter</td><td>11.793</td><td>0.168</td><td>0.2</td><td>1.4</td><td>O K</td></tr><tr><td>10080 min Winter</td><td>11.776</td><td>0.151</td><td>0.2</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>30 min Winter</td><td>102.160</td><td>0.0</td><td>31</td></tr><tr><td>60 min Winter</td><td>62.253</td><td>0.0</td><td>54</td></tr><tr><td>120 min Winter</td><td>37.935</td><td>0.0</td><td>88</td></tr><tr><td>180 min Winter</td><td>28.393</td><td>0.0</td><td>126</td></tr><tr><td>240 min Winter</td><td>23.117</td><td>0.0</td><td>162</td></tr><tr><td>360 min Winter</td><td>17.302</td><td>0.0</td><td>230</td></tr><tr><td>480 min Winter</td><td>14.087</td><td>0.0</td><td>298</td></tr><tr><td>600 min Winter</td><td>12.010</td><td>0.0</td><td>362</td></tr><tr><td>720 min Winter</td><td>10.543</td><td>0.0</td><td>426</td></tr><tr><td>960 min Winter</td><td>8.240</td><td>0.0</td><td>552</td></tr><tr><td>1440 min Winter</td><td>5.823</td><td>0.0</td><td>796</td></tr><tr><td>2160 min Winter</td><td>4.114</td><td>0.0</td><td>1168</td></tr><tr><td>2880 min Winter</td><td>3.215</td><td>0.0</td><td>1528</td></tr><tr><td>4320 min Winter</td><td>2.397</td><td>0.0</td><td>2248</td></tr><tr><td>5760 min Winter</td><td>1.946</td><td>0.0</td><td>2992</td></tr><tr><td>7200 min Winter</td><td>1.655</td><td>0.0</td><td>3680</td></tr><tr><td>8640 min Winter</td><td>1.451</td><td>0.0</td><td>4408</td></tr><tr><td>10080 min Winter</td><td>1.297</td><td>0.0</td><td>5144</td></tr></table>						Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	30 min Winter	12.815	1.190	1.6	10.2	O K	60 min Winter	12.910	1.285	1.8	11.0	O K	120 min Winter	12.957	1.332	1.8	11.4	O K	180 min Winter	12.937	1.312	1.8	11.2	O K	240 min Winter	12.896	1.271	1.8	10.9	O K	360 min Winter	12.801	1.176	1.6	10.0	O K	480 min Winter	12.709	1.084	1.5	9.3	O K	600 min Winter	12.629	1.004	1.4	8.6	O K	720 min Winter	12.559	0.934	1.3	8.0	O K	960 min Winter	12.413	0.788	1.1	6.7	O K	1440 min Winter	12.227	0.602	0.8	5.1	O K	2160 min Winter	12.073	0.448	0.6	3.8	O K	2880 min Winter	11.984	0.359	0.5	3.1	O K	4320 min Winter	11.898	0.273	0.4	2.3	O K	5760 min Winter	11.849	0.224	0.3	1.9	O K	7200 min Winter	11.816	0.191	0.3	1.6	O K	8640 min Winter	11.793	0.168	0.2	1.4	O K	10080 min Winter	11.776	0.151	0.2	1.3	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)	30 min Winter	102.160	0.0	31	60 min Winter	62.253	0.0	54	120 min Winter	37.935	0.0	88	180 min Winter	28.393	0.0	126	240 min Winter	23.117	0.0	162	360 min Winter	17.302	0.0	230	480 min Winter	14.087	0.0	298	600 min Winter	12.010	0.0	362	720 min Winter	10.543	0.0	426	960 min Winter	8.240	0.0	552	1440 min Winter	5.823	0.0	796	2160 min Winter	4.114	0.0	1168	2880 min Winter	3.215	0.0	1528	4320 min Winter	2.397	0.0	2248	5760 min Winter	1.946	0.0	2992	7200 min Winter	1.655	0.0	3680	8640 min Winter	1.451	0.0	4408	10080 min Winter	1.297	0.0	5144
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status																																																																																																																																																																																														
30 min Winter	12.815	1.190	1.6	10.2	O K																																																																																																																																																																																														
60 min Winter	12.910	1.285	1.8	11.0	O K																																																																																																																																																																																														
120 min Winter	12.957	1.332	1.8	11.4	O K																																																																																																																																																																																														
180 min Winter	12.937	1.312	1.8	11.2	O K																																																																																																																																																																																														
240 min Winter	12.896	1.271	1.8	10.9	O K																																																																																																																																																																																														
360 min Winter	12.801	1.176	1.6	10.0	O K																																																																																																																																																																																														
480 min Winter	12.709	1.084	1.5	9.3	O K																																																																																																																																																																																														
600 min Winter	12.629	1.004	1.4	8.6	O K																																																																																																																																																																																														
720 min Winter	12.559	0.934	1.3	8.0	O K																																																																																																																																																																																														
960 min Winter	12.413	0.788	1.1	6.7	O K																																																																																																																																																																																														
1440 min Winter	12.227	0.602	0.8	5.1	O K																																																																																																																																																																																														
2160 min Winter	12.073	0.448	0.6	3.8	O K																																																																																																																																																																																														
2880 min Winter	11.984	0.359	0.5	3.1	O K																																																																																																																																																																																														
4320 min Winter	11.898	0.273	0.4	2.3	O K																																																																																																																																																																																														
5760 min Winter	11.849	0.224	0.3	1.9	O K																																																																																																																																																																																														
7200 min Winter	11.816	0.191	0.3	1.6	O K																																																																																																																																																																																														
8640 min Winter	11.793	0.168	0.2	1.4	O K																																																																																																																																																																																														
10080 min Winter	11.776	0.151	0.2	1.3	O K																																																																																																																																																																																														
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																
30 min Winter	102.160	0.0	31																																																																																																																																																																																																
60 min Winter	62.253	0.0	54																																																																																																																																																																																																
120 min Winter	37.935	0.0	88																																																																																																																																																																																																
180 min Winter	28.393	0.0	126																																																																																																																																																																																																
240 min Winter	23.117	0.0	162																																																																																																																																																																																																
360 min Winter	17.302	0.0	230																																																																																																																																																																																																
480 min Winter	14.087	0.0	298																																																																																																																																																																																																
600 min Winter	12.010	0.0	362																																																																																																																																																																																																
720 min Winter	10.543	0.0	426																																																																																																																																																																																																
960 min Winter	8.240	0.0	552																																																																																																																																																																																																
1440 min Winter	5.823	0.0	796																																																																																																																																																																																																
2160 min Winter	4.114	0.0	1168																																																																																																																																																																																																
2880 min Winter	3.215	0.0	1528																																																																																																																																																																																																
4320 min Winter	2.397	0.0	2248																																																																																																																																																																																																
5760 min Winter	1.946	0.0	2992																																																																																																																																																																																																
7200 min Winter	1.655	0.0	3680																																																																																																																																																																																																
8640 min Winter	1.451	0.0	4408																																																																																																																																																																																																
10080 min Winter	1.297	0.0	5144																																																																																																																																																																																																
©1982-2016 XP Solutions																																																																																																																																																																																																			

Robert Clark Associates		Page 3																																						
Willow Cottage Herne Lane Rustington BN16 3EE	Walberton Farm SA1 FEH 22 rainfall data																																							
Date 8.8.26 File SA1 calcs 100yr rain.SRCX	Designed by RTFC Checked by																																							
Micro Drainage		Source Control 2016.1																																						
<u>Rainfall Details</u> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>100</td> </tr> <tr> <td>Site Location</td> <td>497914 105490 SU 979 054</td> </tr> <tr> <td>C (1km)</td> <td>-0.026</td> </tr> <tr> <td>D1 (1km)</td> <td>0.405</td> </tr> <tr> <td>D2 (1km)</td> <td>0.263</td> </tr> <tr> <td>D3 (1km)</td> <td>0.395</td> </tr> <tr> <td>E (1km)</td> <td>0.311</td> </tr> <tr> <td>F (1km)</td> <td>2.329</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>1.000</td> </tr> <tr> <td>Cv (Winter)</td> <td>1.000</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+45</td> </tr> </table> <u>Time Area Diagram</u> Total Area (ha) 0.023 <table> <tr> <td>Time (mins)</td> <td>Area</td> </tr> <tr> <td>From: To:</td> <td>(ha)</td> </tr> <tr> <td>0</td> <td>4 0.023</td> </tr> </table>			Rainfall Model	FEH	Return Period (years)	100	Site Location	497914 105490 SU 979 054	C (1km)	-0.026	D1 (1km)	0.405	D2 (1km)	0.263	D3 (1km)	0.395	E (1km)	0.311	F (1km)	2.329	Summer Storms	Yes	Winter Storms	Yes	Cv (Summer)	1.000	Cv (Winter)	1.000	Shortest Storm (mins)	15	Longest Storm (mins)	10080	Climate Change %	+45	Time (mins)	Area	From: To:	(ha)	0	4 0.023
Rainfall Model	FEH																																							
Return Period (years)	100																																							
Site Location	497914 105490 SU 979 054																																							
C (1km)	-0.026																																							
D1 (1km)	0.405																																							
D2 (1km)	0.263																																							
D3 (1km)	0.395																																							
E (1km)	0.311																																							
F (1km)	2.329																																							
Summer Storms	Yes																																							
Winter Storms	Yes																																							
Cv (Summer)	1.000																																							
Cv (Winter)	1.000																																							
Shortest Storm (mins)	15																																							
Longest Storm (mins)	10080																																							
Climate Change %	+45																																							
Time (mins)	Area																																							
From: To:	(ha)																																							
0	4 0.023																																							
©1982-2016 XP Solutions																																								

Robert Clark Associates		Page 4																				
Willow Cottage Herne Lane Rustington BN16 3EE	Walberton Farm SA1 FEH 22 rainfall data																					
Date 8.8.26 File SA1 calcs 100yr rain.SRCX	Designed by RTFC Checked by																					
Micro Drainage		Source Control 2016.1																				
<u>Model Details</u> Storage is Online Cover Level (m) 13.500 <u>Lined Soakaway Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00000</td> <td>Ring Diameter (m)</td> <td>1.80</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr)</td> <td>0.32479</td> <td>Pit Multiplier</td> <td>1.6</td> </tr> <tr> <td>Safety Factor</td> <td>1.5</td> <td>Number Required</td> <td>2</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> <tr> <td>Invert Level (m)</td> <td>11.625</td> <td>Cap Infiltration Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.00000	Ring Diameter (m)	1.80	Infiltration Coefficient Side (m/hr)	0.32479	Pit Multiplier	1.6	Safety Factor	1.5	Number Required	2	Porosity	0.30	Cap Volume Depth (m)	0.000	Invert Level (m)	11.625	Cap Infiltration Depth (m)	0.000
Infiltration Coefficient Base (m/hr)	0.00000	Ring Diameter (m)	1.80																			
Infiltration Coefficient Side (m/hr)	0.32479	Pit Multiplier	1.6																			
Safety Factor	1.5	Number Required	2																			
Porosity	0.30	Cap Volume Depth (m)	0.000																			
Invert Level (m)	11.625	Cap Infiltration Depth (m)	0.000																			
©1982-2016 XP Solutions																						