

Kazys Narbutas Consulting Limited				Page 1																																																																																																																																																										
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Summary of Results for 100 year Return Period (+45%) Half Drain Time : 265 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>54.942</td><td>0.364</td><td>0.7</td><td>12.7</td><td>O K</td></tr><tr><td>30 min Summer</td><td>54.981</td><td>0.403</td><td>0.7</td><td>15.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>55.020</td><td>0.442</td><td>0.7</td><td>17.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>55.053</td><td>0.475</td><td>0.7</td><td>19.8</td><td>O K</td></tr><tr><td>180 min Summer</td><td>55.065</td><td>0.487</td><td>0.7</td><td>20.5</td><td>O K</td></tr><tr><td>240 min Summer</td><td>55.067</td><td>0.489</td><td>0.7</td><td>20.6</td><td>O K</td></tr><tr><td>360 min Summer</td><td>55.060</td><td>0.482</td><td>0.7</td><td>20.2</td><td>O K</td></tr><tr><td>480 min Summer</td><td>55.053</td><td>0.475</td><td>0.7</td><td>19.8</td><td>O K</td></tr><tr><td>600 min Summer</td><td>55.046</td><td>0.468</td><td>0.7</td><td>19.3</td><td>O K</td></tr><tr><td>720 min Summer</td><td>55.039</td><td>0.461</td><td>0.7</td><td>18.9</td><td>O K</td></tr><tr><td>960 min Summer</td><td>55.015</td><td>0.437</td><td>0.7</td><td>17.3</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>54.969</td><td>0.391</td><td>0.7</td><td>14.4</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>54.908</td><td>0.330</td><td>0.7</td><td>10.5</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>54.851</td><td>0.273</td><td>0.7</td><td>7.2</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>54.750</td><td>0.172</td><td>0.7</td><td>2.9</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>54.660</td><td>0.082</td><td>0.7</td><td>0.6</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>195.491</td><td>23</td></tr><tr><td>30 min Summer</td><td>118.009</td><td>37</td></tr><tr><td>60 min Summer</td><td>71.237</td><td>66</td></tr><tr><td>120 min Summer</td><td>43.002</td><td>126</td></tr><tr><td>180 min Summer</td><td>32.008</td><td>184</td></tr><tr><td>240 min Summer</td><td>25.959</td><td>244</td></tr><tr><td>360 min Summer</td><td>19.322</td><td>304</td></tr><tr><td>480 min Summer</td><td>15.670</td><td>366</td></tr><tr><td>600 min Summer</td><td>13.320</td><td>432</td></tr><tr><td>720 min Summer</td><td>11.664</td><td>502</td></tr><tr><td>960 min Summer</td><td>9.281</td><td>638</td></tr><tr><td>1440 min Summer</td><td>6.726</td><td>910</td></tr><tr><td>2160 min Summer</td><td>4.874</td><td>1300</td></tr><tr><td>2880 min Summer</td><td>3.879</td><td>1648</td></tr><tr><td>4320 min Summer</td><td>2.848</td><td>2340</td></tr><tr><td>5760 min Summer</td><td>2.287</td><td>2952</td></tr></tbody></table>						Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	54.942	0.364	0.7	12.7	O K	30 min Summer	54.981	0.403	0.7	15.1	O K	60 min Summer	55.020	0.442	0.7	17.6	O K	120 min Summer	55.053	0.475	0.7	19.8	O K	180 min Summer	55.065	0.487	0.7	20.5	O K	240 min Summer	55.067	0.489	0.7	20.6	O K	360 min Summer	55.060	0.482	0.7	20.2	O K	480 min Summer	55.053	0.475	0.7	19.8	O K	600 min Summer	55.046	0.468	0.7	19.3	O K	720 min Summer	55.039	0.461	0.7	18.9	O K	960 min Summer	55.015	0.437	0.7	17.3	O K	1440 min Summer	54.969	0.391	0.7	14.4	O K	2160 min Summer	54.908	0.330	0.7	10.5	O K	2880 min Summer	54.851	0.273	0.7	7.2	O K	4320 min Summer	54.750	0.172	0.7	2.9	O K	5760 min Summer	54.660	0.082	0.7	0.6	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	195.491	23	30 min Summer	118.009	37	60 min Summer	71.237	66	120 min Summer	43.002	126	180 min Summer	32.008	184	240 min Summer	25.959	244	360 min Summer	19.322	304	480 min Summer	15.670	366	600 min Summer	13.320	432	720 min Summer	11.664	502	960 min Summer	9.281	638	1440 min Summer	6.726	910	2160 min Summer	4.874	1300	2880 min Summer	3.879	1648	4320 min Summer	2.848	2340	5760 min Summer	2.287	2952
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Date April 2026 File Infiltration Area...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.624	0.046	0.6	0.2	O K
8640 min Summer	54.621	0.043	0.5	0.2	O K
10080 min Summer	54.618	0.040	0.5	0.2	O K
15 min Winter	54.943	0.365	0.7	12.7	O K
30 min Winter	54.981	0.403	0.7	15.1	O K
60 min Winter	55.020	0.442	0.7	17.7	O K
120 min Winter	55.055	0.477	0.7	19.9	O K
180 min Winter	55.068	0.490	0.7	20.7	O K
240 min Winter	55.071	0.493	0.7	20.9	O K
360 min Winter	55.062	0.484	0.7	20.3	O K
480 min Winter	55.052	0.474	0.7	19.7	O K
600 min Winter	55.041	0.463	0.7	19.0	O K
720 min Winter	55.029	0.451	0.7	18.3	O K
960 min Winter	54.993	0.415	0.7	15.9	O K
1440 min Winter	54.925	0.347	0.7	11.6	O K
2160 min Winter	54.828	0.250	0.7	6.0	O K
2880 min Winter	54.725	0.147	0.7	2.1	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		3648		
8640 min Summer	1.679		4312		
10080 min Summer	1.493		5000		
15 min Winter	195.491		22		
30 min Winter	118.009		37		
60 min Winter	71.237		66		
120 min Winter	43.002		124		
180 min Winter	32.008		180		
240 min Winter	25.959		236		
360 min Winter	19.322		336		
480 min Winter	15.670		380		
600 min Winter	13.320		456		
720 min Winter	11.664		534		
960 min Winter	9.281		680		
1440 min Winter	6.726		958		
2160 min Winter	4.874		1328		
2880 min Winter	3.879		1648		
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Micro Drainage	Source Control W.12.4	

Rainfall Details

Rainfall Model	FEH	F (1km)	2.450
Return Period (years)	100	Summer Storms	Yes
Site Location	GB 511010 113687 FEH22	Winter Storms	Yes
C (1km)	-0.027	Cv (Summer)	1.000
D1 (1km)	0.396	Cv (Winter)	1.000
D2 (1km)	0.330	Shortest Storm (mins)	15
D3 (1km)	0.362	Longest Storm (mins)	10080
E (1km)	0.314	Climate Change %	+45

Time / Area Diagram

Total Area (ha) 0.029

Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.000	4-8	0.029

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<u>Model Details</u> Storage is Online Cover Level (m) 55.178 <u>Porous Car Park Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.02585</td> <td>Width (m)</td> <td>5.0</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>36.6</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>50.8</td> <td>Slope (1:X)</td> <td>110.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.35</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>54.578</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.02585	Width (m)	5.0	Membrane Percolation (mm/hr)	1000	Length (m)	36.6	Max Percolation (l/s)	50.8	Slope (1:X)	110.0	Safety Factor	2.0	Depression Storage (mm)	5	Porosity	0.35	Evaporation (mm/day)	3	Invert Level (m)	54.578	Cap Volume Depth (m)	0.000
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Summary of Results for 100 year Return Period (+45%) Half Drain Time : 235 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>54.727</td><td>0.308</td><td>1.0</td><td>16.8</td><td>O K</td></tr><tr><td>30 min Summer</td><td>54.760</td><td>0.341</td><td>1.0</td><td>20.0</td><td>O K</td></tr><tr><td>60 min Summer</td><td>54.792</td><td>0.373</td><td>1.0</td><td>23.2</td><td>O K</td></tr><tr><td>120 min Summer</td><td>54.818</td><td>0.399</td><td>1.0</td><td>25.8</td><td>O K</td></tr><tr><td>180 min Summer</td><td>54.826</td><td>0.407</td><td>1.0</td><td>26.5</td><td>O K</td></tr><tr><td>240 min Summer</td><td>54.825</td><td>0.406</td><td>1.0</td><td>26.5</td><td>O K</td></tr><tr><td>360 min Summer</td><td>54.819</td><td>0.400</td><td>1.0</td><td>25.9</td><td>O K</td></tr><tr><td>480 min Summer</td><td>54.812</td><td>0.393</td><td>1.0</td><td>25.2</td><td>O K</td></tr><tr><td>600 min Summer</td><td>54.805</td><td>0.386</td><td>1.0</td><td>24.5</td><td>O K</td></tr><tr><td>720 min Summer</td><td>54.798</td><td>0.379</td><td>1.0</td><td>23.8</td><td>O K</td></tr><tr><td>960 min Summer</td><td>54.774</td><td>0.355</td><td>1.0</td><td>21.4</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>54.730</td><td>0.311</td><td>1.0</td><td>17.1</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>54.673</td><td>0.254</td><td>1.0</td><td>11.5</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>54.619</td><td>0.200</td><td>1.0</td><td>7.2</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>54.530</td><td>0.111</td><td>1.0</td><td>2.2</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>54.486</td><td>0.067</td><td>1.0</td><td>0.8</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>195.491</td><td>22</td></tr><tr><td>30 min Summer</td><td>118.009</td><td>37</td></tr><tr><td>60 min Summer</td><td>71.237</td><td>66</td></tr><tr><td>120 min Summer</td><td>43.002</td><td>126</td></tr><tr><td>180 min Summer</td><td>32.008</td><td>184</td></tr><tr><td>240 min Summer</td><td>25.959</td><td>224</td></tr><tr><td>360 min Summer</td><td>19.322</td><td>286</td></tr><tr><td>480 min Summer</td><td>15.670</td><td>350</td></tr><tr><td>600 min Summer</td><td>13.320</td><td>418</td></tr><tr><td>720 min Summer</td><td>11.664</td><td>488</td></tr><tr><td>960 min Summer</td><td>9.281</td><td>622</td></tr><tr><td>1440 min Summer</td><td>6.726</td><td>886</td></tr><tr><td>2160 min Summer</td><td>4.874</td><td>1260</td></tr><tr><td>2880 min Summer</td><td>3.879</td><td>1616</td></tr><tr><td>4320 min Summer</td><td>2.848</td><td>2256</td></tr><tr><td>5760 min Summer</td><td>2.287</td><td>2936</td></tr></tbody></table>						Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status	15 min Summer	54.727	0.308	1.0	16.8	O K	30 min Summer	54.760	0.341	1.0	20.0	O K	60 min Summer	54.792	0.373	1.0	23.2	O K	120 min Summer	54.818	0.399	1.0	25.8	O K	180 min Summer	54.826	0.407	1.0	26.5	O K	240 min Summer	54.825	0.406	1.0	26.5	O K	360 min Summer	54.819	0.400	1.0	25.9	O K	480 min Summer	54.812	0.393	1.0	25.2	O K	600 min Summer	54.805	0.386	1.0	24.5	O K	720 min Summer	54.798	0.379	1.0	23.8	O K	960 min Summer	54.774	0.355	1.0	21.4	O K	1440 min Summer	54.730	0.311	1.0	17.1	O K	2160 min Summer	54.673	0.254	1.0	11.5	O K	2880 min Summer	54.619	0.200	1.0	7.2	O K	4320 min Summer	54.530	0.111	1.0	2.2	O K	5760 min Summer	54.486	0.067	1.0	0.8	O K	Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	195.491	22	30 min Summer	118.009	37	60 min Summer	71.237	66	120 min Summer	43.002	126	180 min Summer	32.008	184	240 min Summer	25.959	224	360 min Summer	19.322	286	480 min Summer	15.670	350	600 min Summer	13.320	418	720 min Summer	11.664	488	960 min Summer	9.281	622	1440 min Summer	6.726	886	2160 min Summer	4.874	1260	2880 min Summer	3.879	1616	4320 min Summer	2.848	2256	5760 min Summer	2.287	2936
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Infiltration Area 2			
Date April 2026 File Infiltration Area...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.476	0.057	0.8	0.6	O K
8640 min Summer	54.469	0.050	0.7	0.4	O K
10080 min Summer	54.466	0.047	0.6	0.4	O K
15 min Winter	54.727	0.308	1.0	16.8	O K
30 min Winter	54.760	0.341	1.0	20.0	O K
60 min Winter	54.793	0.374	1.0	23.3	O K
120 min Winter	54.820	0.401	1.0	26.0	O K
180 min Winter	54.828	0.409	1.0	26.8	O K
240 min Winter	54.828	0.409	1.0	26.8	O K
360 min Winter	54.819	0.400	1.0	25.9	O K
480 min Winter	54.809	0.390	1.0	24.9	O K
600 min Winter	54.797	0.378	1.0	23.7	O K
720 min Winter	54.784	0.365	1.0	22.4	O K
960 min Winter	54.748	0.329	1.0	18.9	O K
1440 min Winter	54.684	0.265	1.0	12.5	O K
2160 min Winter	54.588	0.169	1.0	5.1	O K
2880 min Winter	54.497	0.078	1.0	1.1	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		3664		
8640 min Summer	1.679		4400		
10080 min Summer	1.493		5056		
15 min Winter	195.491		22		
30 min Winter	118.009		36		
60 min Winter	71.237		66		
120 min Winter	43.002		122		
180 min Winter	32.008		178		
240 min Winter	25.959		232		
360 min Winter	19.322		292		
480 min Winter	15.670		368		
600 min Winter	13.320		446		
720 min Winter	11.664		522		
960 min Winter	9.281		666		
1440 min Winter	6.726		928		
2160 min Winter	4.874		1280		
2880 min Winter	3.879		1528		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Infiltration Area 2			
Date April 2026 File Infiltration Area...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.473	0.054	0.8	0.5	O K
5760 min Winter	54.466	0.047	0.6	0.4	O K
7200 min Winter	54.462	0.043	0.5	0.3	O K
8640 min Winter	54.459	0.040	0.5	0.3	O K
10080 min Winter	54.457	0.038	0.4	0.3	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	2.848		2196		
5760 min Winter	2.287		2904		
7200 min Winter	1.929		3560		
8640 min Winter	1.679		4296		
10080 min Winter	1.493		5048		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Infiltration Area 2	
Date April 2026 File Infiltration Area...	Designed By KHN Checked By	
Micro Drainage		Source Control W.12.4

Rainfall Details

Rainfall Model	FEH	F (1km)	2.450
Return Period (years)	100	Summer Storms	Yes
Site Location	GB 511010 113687 FEH22	Winter Storms	Yes
C (1km)	-0.027	Cv (Summer)	1.000
D1 (1km)	0.396	Cv (Winter)	1.000
D2 (1km)	0.330	Shortest Storm (mins)	15
D3 (1km)	0.362	Longest Storm (mins)	10080
E (1km)	0.314	Climate Change %	+45

Time / Area Diagram

Total Area (ha) 0.039

Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.000	4-8	0.039

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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Infiltration Area 2																									
Date April 2026 File Infiltration Area...	Designed By KHN Checked By																									
Micro Drainage Source Control W.12.4																										
<u>Model Details</u> Storage is Online Cover Level (m) 55.019 <u>Porous Car Park Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.02585</td> <td>Width (m)</td> <td>8.5</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>33.3</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>78.6</td> <td>Slope (1:X)</td> <td>120.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.35</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>54.419</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.02585	Width (m)	8.5	Membrane Percolation (mm/hr)	1000	Length (m)	33.3	Max Percolation (l/s)	78.6	Slope (1:X)	120.0	Safety Factor	2.0	Depression Storage (mm)	5	Porosity	0.35	Evaporation (mm/day)	3	Invert Level (m)	54.419	Cap Volume Depth (m)	0.000
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So3 1 in 10yrs			
Date April 2026 File Soakaway So3 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Half Drain Time : 1114 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	53.488	0.288	0.0	2.8	O K
30 min Summer	53.562	0.362	0.0	3.5	O K
60 min Summer	53.652	0.452	0.0	4.3	O K
120 min Summer	53.761	0.561	0.1	5.4	O K
180 min Summer	53.831	0.631	0.1	6.1	O K
240 min Summer	53.883	0.683	0.1	6.6	O K
360 min Summer	53.955	0.755	0.1	7.2	O K
480 min Summer	54.002	0.802	0.1	7.7	O K
600 min Summer	54.035	0.835	0.1	8.0	O K
720 min Summer	54.058	0.858	0.1	8.2	O K
960 min Summer	54.078	0.878	0.1	8.4	O K
1440 min Summer	54.104	0.904	0.1	8.7	O K
2160 min Summer	54.118	0.918	0.1	8.8	O K
2880 min Summer	54.115	0.915	0.1	8.8	O K
4320 min Summer	54.101	0.901	0.1	8.7	O K
5760 min Summer	54.075	0.875	0.1	8.4	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	85.604		23		
30 min Summer	53.998		38		
60 min Summer	34.062		68		
120 min Summer	21.486		128		
180 min Summer	16.410		186		
240 min Summer	13.553		246		
360 min Summer	10.351		366		
480 min Summer	8.549		484		
600 min Summer	7.371		604		
720 min Summer	6.529		678		
960 min Summer	5.291		784		
1440 min Summer	3.935		1030		
2160 min Summer	2.926		1448		
2880 min Summer	2.371		1852		
4320 min Summer	1.786		2680		
5760 min Summer	1.461		3464		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So3 1 in 10yrs			
Date April 2026 File Soakaway So3 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.044	0.844	0.1	8.1	O K
8640 min Summer	54.013	0.813	0.1	7.8	O K
10080 min Summer	53.983	0.783	0.1	7.5	O K
15 min Winter	53.488	0.288	0.0	2.8	O K
30 min Winter	53.562	0.362	0.0	3.5	O K
60 min Winter	53.652	0.452	0.0	4.3	O K
120 min Winter	53.761	0.561	0.1	5.4	O K
180 min Winter	53.832	0.632	0.1	6.1	O K
240 min Winter	53.884	0.684	0.1	6.6	O K
360 min Winter	53.957	0.757	0.1	7.3	O K
480 min Winter	54.006	0.806	0.1	7.7	O K
600 min Winter	54.041	0.841	0.1	8.1	O K
720 min Winter	54.065	0.865	0.1	8.3	O K
960 min Winter	54.080	0.880	0.1	8.4	O K
1440 min Winter	54.100	0.900	0.1	8.6	O K
2160 min Winter	54.101	0.901	0.1	8.6	O K
2880 min Winter	54.085	0.885	0.1	8.5	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.250		4248		
8640 min Summer	1.100		5016		
10080 min Summer	0.988		5752		
15 min Winter	85.604		23		
30 min Winter	53.998		37		
60 min Winter	34.062		66		
120 min Winter	21.486		126		
180 min Winter	16.410		184		
240 min Winter	13.553		242		
360 min Winter	10.351		358		
480 min Winter	8.549		470		
600 min Winter	7.371		582		
720 min Winter	6.529		688		
960 min Winter	5.291		860		
1440 min Winter	3.935		1088		
2160 min Winter	2.926		1544		
2880 min Winter	2.371		1992		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So3 1 in 10yrs			
Date April 2026		Designed By KHN			
File Soakaway So3 1 in...		Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.047	0.847	0.1	8.1	O K
5760 min Winter	54.002	0.802	0.1	7.7	O K
7200 min Winter	53.958	0.758	0.1	7.3	O K
8640 min Winter	53.917	0.717	0.1	6.9	O K
10080 min Winter	53.879	0.679	0.1	6.5	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	1.786		2856		
5760 min Winter	1.461		3688		
7200 min Winter	1.250		4472		
8640 min Winter	1.100		5272		
10080 min Winter	0.988		6048		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So3 1 in 100yrs			
Date April 2026 File Soakaway So3 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.502	1.302	0.1	12.5	O K
8640 min Summer	54.440	1.240	0.1	11.9	O K
10080 min Summer	54.383	1.183	0.1	11.4	O K
15 min Winter	53.858	0.658	0.1	6.3	O K
30 min Winter	53.991	0.791	0.1	7.6	O K
60 min Winter	54.146	0.946	0.1	9.1	O K
120 min Winter	54.323	1.123	0.1	10.8	O K
180 min Winter	54.432	1.232	0.1	11.8	O K
240 min Winter	54.510	1.310	0.1	12.6	O K
360 min Winter	54.613	1.413	0.1	13.6	O K
480 min Winter	54.677	1.477	0.1	14.2	O K
600 min Winter	54.719	1.519	0.1	14.6	O K
720 min Winter	54.746	1.546	0.1	14.8	O K
960 min Winter	54.743	1.543	0.1	14.8	O K
1440 min Winter	54.739	1.539	0.1	14.8	O K
2160 min Winter	54.701	1.501	0.1	14.4	O K
2880 min Winter	54.647	1.447	0.1	13.9	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		4248		
8640 min Summer	1.679		5016		
10080 min Summer	1.493		5752		
15 min Winter	195.491		23		
30 min Winter	118.009		37		
60 min Winter	71.237		66		
120 min Winter	43.002		126		
180 min Winter	32.008		184		
240 min Winter	25.959		242		
360 min Winter	19.322		358		
480 min Winter	15.670		470		
600 min Winter	13.320		582		
720 min Winter	11.664		688		
960 min Winter	9.281		860		
1440 min Winter	6.726		1088		
2160 min Winter	4.874		1544		
2880 min Winter	3.879		1992		
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Date April 2026		Designed By KHN			
File Soakaway So3 1 in...		Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.551	1.351	0.1	13.0	O K
5760 min Winter	54.455	1.255	0.1	12.1	O K
7200 min Winter	54.370	1.170	0.1	11.2	O K
8640 min Winter	54.293	1.093	0.1	10.5	O K
10080 min Winter	54.226	1.026	0.1	9.8	O K
Storm Event		Rain (mm/hr)	Time-Peak (mins)		
4320 min Winter		2.848	2856		
5760 min Winter		2.287	3688		
7200 min Winter		1.929	4472		
8640 min Winter		1.679	5272		
10080 min Winter		1.493	6048		
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Date April 2026 File Soakaway So3 1 in...	Designed By KHN Checked By	
Micro Drainage Source Control W.12.4		

Model Details

Storage is Online Cover Level (m) 54.900

Trench Soakaway Structure

Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	2.0
Infiltration Coefficient Side (m/hr)	0.02484	Trench Length (m)	12.0
Safety Factor	2.0	Slope (1:X)	0.0
Porosity	0.40	Cap Volume Depth (m)	0.000
Invert Level (m)	53.200	Cap Infiltration Depth (m)	0.000

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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 10yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Half Drain Time : 1170 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	53.513	0.313	0.0	4.3	O K
30 min Summer	53.593	0.393	0.1	5.3	O K
60 min Summer	53.692	0.492	0.1	6.7	O K
120 min Summer	53.810	0.610	0.1	8.3	O K
180 min Summer	53.887	0.687	0.1	9.3	O K
240 min Summer	53.944	0.744	0.1	10.1	O K
360 min Summer	54.023	0.823	0.1	11.2	O K
480 min Summer	54.076	0.876	0.1	11.9	O K
600 min Summer	54.113	0.913	0.1	12.4	O K
720 min Summer	54.139	0.939	0.1	12.8	O K
960 min Summer	54.162	0.962	0.1	13.1	O K
1440 min Summer	54.191	0.991	0.1	13.5	O K
2160 min Summer	54.208	1.008	0.1	13.7	O K
2880 min Summer	54.207	1.007	0.1	13.7	O K
4320 min Summer	54.195	0.995	0.1	13.5	O K
5760 min Summer	54.167	0.967	0.1	13.2	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	85.604		23		
30 min Summer	53.998		38		
60 min Summer	34.062		68		
120 min Summer	21.486		128		
180 min Summer	16.410		186		
240 min Summer	13.553		246		
360 min Summer	10.351		366		
480 min Summer	8.549		484		
600 min Summer	7.371		604		
720 min Summer	6.529		702		
960 min Summer	5.291		800		
1440 min Summer	3.935		1042		
2160 min Summer	2.926		1452		
2880 min Summer	2.371		1852		
4320 min Summer	1.786		2684		
5760 min Summer	1.461		3464		
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Kazys Narbutas Consulting Limited				Page 2	
24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 10yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.135	0.935	0.1	12.7	O K
8640 min Summer	54.103	0.903	0.1	12.3	O K
10080 min Summer	54.071	0.871	0.1	11.8	O K
15 min Winter	53.513	0.313	0.0	4.3	O K
30 min Winter	53.593	0.393	0.1	5.3	O K
60 min Winter	53.692	0.492	0.1	6.7	O K
120 min Winter	53.810	0.610	0.1	8.3	O K
180 min Winter	53.888	0.688	0.1	9.4	O K
240 min Winter	53.945	0.745	0.1	10.1	O K
360 min Winter	54.026	0.826	0.1	11.2	O K
480 min Winter	54.080	0.880	0.1	12.0	O K
600 min Winter	54.119	0.919	0.1	12.5	O K
720 min Winter	54.147	0.947	0.1	12.9	O K
960 min Winter	54.165	0.965	0.1	13.1	O K
1440 min Winter	54.188	0.988	0.1	13.4	O K
2160 min Winter	54.191	0.991	0.1	13.5	O K
2880 min Winter	54.175	0.975	0.1	13.3	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.250		4256		
8640 min Summer	1.100		5016		
10080 min Summer	0.988		5840		
15 min Winter	85.604		23		
30 min Winter	53.998		38		
60 min Winter	34.062		68		
120 min Winter	21.486		126		
180 min Winter	16.410		184		
240 min Winter	13.553		242		
360 min Winter	10.351		358		
480 min Winter	8.549		472		
600 min Winter	7.371		582		
720 min Winter	6.529		690		
960 min Winter	5.291		882		
1440 min Winter	3.935		1100		
2160 min Winter	2.926		1560		
2880 min Winter	2.371		1996		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 10yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.138	0.938	0.1	12.8	O K
5760 min Winter	54.091	0.891	0.1	12.1	O K
7200 min Winter	54.043	0.843	0.1	11.5	O K
8640 min Winter	53.999	0.799	0.1	10.9	O K
10080 min Winter	53.959	0.759	0.1	10.3	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	1.786		2856		
5760 min Winter	1.461		3688		
7200 min Winter	1.250		4472		
8640 min Winter	1.100		5280		
10080 min Winter	0.988		6056		
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Date April 2026	Designed By KHN																																									
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Rainfall Details <table><tr><td>Rainfall Model</td><td>FEH</td><td>F (1km)</td><td>2.450</td></tr><tr><td>Return Period (years)</td><td>10</td><td>Summer Storms</td><td>Yes</td></tr><tr><td>Site Location</td><td>GB 511010 113687 FEH22</td><td>Winter Storms</td><td>Yes</td></tr><tr><td>C (1km)</td><td>-0.027</td><td>Cv (Summer)</td><td>1.000</td></tr><tr><td>D1 (1km)</td><td>0.396</td><td>Cv (Winter)</td><td>1.000</td></tr><tr><td>D2 (1km)</td><td>0.330</td><td>Shortest Storm (mins)</td><td>15</td></tr><tr><td>D3 (1km)</td><td>0.362</td><td>Longest Storm (mins)</td><td>10080</td></tr><tr><td>E (1km)</td><td>0.314</td><td>Climate Change %</td><td>+45</td></tr></table> Time / Area Diagram Total Area (ha) 0.020 <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.000</td><td>4-8</td><td>0.020</td></tr></tbody></table>			Rainfall Model	FEH	F (1km)	2.450	Return Period (years)	10	Summer Storms	Yes	Site Location	GB 511010 113687 FEH22	Winter Storms	Yes	C (1km)	-0.027	Cv (Summer)	1.000	D1 (1km)	0.396	Cv (Winter)	1.000	D2 (1km)	0.330	Shortest Storm (mins)	15	D3 (1km)	0.362	Longest Storm (mins)	10080	E (1km)	0.314	Climate Change %	+45	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.000	4-8	0.020
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So4 1 in 10yrs	
Date April 2026 File Soakaway So4 1 in...	Designed By KHN Checked By	
Micro Drainage Source Control W.12.4		

Model Details

Storage is Online Cover Level (m) 54.300

Trench Soakaway Structure

Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	2.0
Infiltration Coefficient Side (m/hr)	0.02484	Trench Length (m)	17.0
Safety Factor	2.0	Slope (1:X)	0.0
Porosity	0.40	Cap Volume Depth (m)	0.000
Invert Level (m)	53.200	Cap Infiltration Depth (m)	0.000

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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 100yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Half Drain Time : 1168 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	53.915	0.715	0.1	9.7	O K
30 min Summer	54.059	0.859	0.1	11.7	O K
60 min Summer	54.228	1.028	0.1	14.0	O K
120 min Summer	54.420	1.220	0.2	16.6	O K
180 min Summer	54.540	1.340	0.2	18.2	O K
240 min Summer	54.624	1.424	0.2	19.4	O K
360 min Summer	54.737	1.537	0.2	20.9	O K
480 min Summer	54.806	1.606	0.2	21.8	O K
600 min Summer	54.850	1.650	0.2	22.4	O K
720 min Summer	54.877	1.677	0.2	22.8	O K
960 min Summer	54.887	1.687	0.2	22.9	O K
1440 min Summer	54.893	1.693	0.2	23.0	O K
2160 min Summer	54.879	1.679	0.2	22.8	O K
2880 min Summer	54.847	1.647	0.2	22.4	O K
4320 min Summer	54.786	1.586	0.2	21.6	O K
5760 min Summer	54.715	1.515	0.2	20.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	195.491		23		
30 min Summer	118.009		38		
60 min Summer	71.237		68		
120 min Summer	43.002		128		
180 min Summer	32.008		186		
240 min Summer	25.959		246		
360 min Summer	19.322		366		
480 min Summer	15.670		484		
600 min Summer	13.320		604		
720 min Summer	11.664		702		
960 min Summer	9.281		800		
1440 min Summer	6.726		1042		
2160 min Summer	4.874		1452		
2880 min Summer	3.879		1852		
4320 min Summer	2.848		2684		
5760 min Summer	2.287		3464		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 100yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.644	1.444	0.2	19.6	O K
8640 min Summer	54.577	1.377	0.2	18.7	O K
10080 min Summer	54.515	1.315	0.2	17.9	O K
15 min Winter	53.915	0.715	0.1	9.7	O K
30 min Winter	54.059	0.859	0.1	11.7	O K
60 min Winter	54.228	1.028	0.1	14.0	O K
120 min Winter	54.421	1.221	0.2	16.6	O K
180 min Winter	54.541	1.341	0.2	18.2	O K
240 min Winter	54.626	1.426	0.2	19.4	O K
360 min Winter	54.741	1.541	0.2	21.0	O K
480 min Winter	54.813	1.613	0.2	21.9	O K
600 min Winter	54.861	1.661	0.2	22.6	O K
720 min Winter	54.892	1.692	0.2	23.0	O K
960 min Winter	54.892	1.692	0.2	23.0	O K
1440 min Winter	54.888	1.688	0.2	23.0	O K
2160 min Winter	54.851	1.651	0.2	22.4	O K
2880 min Winter	54.796	1.596	0.2	21.7	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		4256		
8640 min Summer	1.679		5016		
10080 min Summer	1.493		5840		
15 min Winter	195.491		23		
30 min Winter	118.009		38		
60 min Winter	71.237		68		
120 min Winter	43.002		126		
180 min Winter	32.008		184		
240 min Winter	25.959		242		
360 min Winter	19.322		358		
480 min Winter	15.670		472		
600 min Winter	13.320		582		
720 min Winter	11.664		690		
960 min Winter	9.281		882		
1440 min Winter	6.726		1100		
2160 min Winter	4.874		1560		
2880 min Winter	3.879		1996		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So4 1 in 100yrs			
Date April 2026 File Soakaway So4 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.695	1.495	0.2	20.3	O K
5760 min Winter	54.594	1.394	0.2	19.0	O K
7200 min Winter	54.502	1.302	0.2	17.7	O K
8640 min Winter	54.420	1.220	0.2	16.6	O K
10080 min Winter	54.346	1.146	0.2	15.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	2.848		2856		
5760 min Winter	2.287		3688		
7200 min Winter	1.929		4472		
8640 min Winter	1.679		5280		
10080 min Winter	1.493		6056		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So4 1 in 100yrs																																									
Date April 2026 File Soakaway So4 1 in...	Designed By KHN Checked By																																									
Micro Drainage Source Control W.12.4																																										
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So4 1 in 100yrs																					
Date April 2026 File Soakaway So4 1 in...	Designed By KHN Checked By																					
Micro Drainage	Source Control W.12.4																					
Model Details Storage is Online Cover Level (m) 54.900 Trench Soakaway Structure <table><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.00000</td><td>Trench Width (m)</td><td>2.0</td></tr><tr><td>Infiltration Coefficient Side (m/hr)</td><td>0.02484</td><td>Trench Length (m)</td><td>17.0</td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Slope (1:X)</td><td>0.0</td></tr><tr><td>Porosity</td><td>0.40</td><td>Cap Volume Depth (m)</td><td>0.000</td></tr><tr><td>Invert Level (m)</td><td>53.200</td><td>Cap Infiltration Depth (m)</td><td>0.000</td></tr></table>			Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	2.0	Infiltration Coefficient Side (m/hr)	0.02484	Trench Length (m)	17.0	Safety Factor	2.0	Slope (1:X)	0.0	Porosity	0.40	Cap Volume Depth (m)	0.000	Invert Level (m)	53.200	Cap Infiltration Depth (m)	0.000
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 10yrs																																																																																																									
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960 min Summer	54.212	1.012	0.3	5.8	O K																																																																																																						
1440 min Summer	54.155	0.955	0.2	5.5	O K																																																																																																						
2160 min Summer	54.070	0.870	0.2	5.0	O K																																																																																																						
2880 min Summer	53.998	0.798	0.2	4.6	O K																																																																																																						
4320 min Summer	53.897	0.697	0.2	4.0	O K																																																																																																						
5760 min Summer	53.821	0.621	0.2	3.6	O K																																																																																																						
<table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>85.604</td><td>23</td></tr><tr><td>30 min Summer</td><td>53.998</td><td>37</td></tr><tr><td>60 min Summer</td><td>34.062</td><td>66</td></tr><tr><td>120 min Summer</td><td>21.486</td><td>124</td></tr><tr><td>180 min Summer</td><td>16.410</td><td>166</td></tr><tr><td>240 min Summer</td><td>13.553</td><td>196</td></tr><tr><td>360 min Summer</td><td>10.351</td><td>258</td></tr><tr><td>480 min Summer</td><td>8.549</td><td>328</td></tr><tr><td>600 min Summer</td><td>7.371</td><td>396</td></tr><tr><td>720 min Summer</td><td>6.529</td><td>464</td></tr><tr><td>960 min Summer</td><td>5.291</td><td>600</td></tr><tr><td>1440 min Summer</td><td>3.935</td><td>868</td></tr><tr><td>2160 min Summer</td><td>2.926</td><td>1256</td></tr><tr><td>2880 min Summer</td><td>2.371</td><td>1620</td></tr><tr><td>4320 min Summer</td><td>1.786</td><td>2380</td></tr><tr><td>5760 min Summer</td><td>1.461</td><td>3112</td></tr></table>						Storm Event	Rain (mm/hr)	Time-Peak (mins)	15 min Summer	85.604	23	30 min Summer	53.998	37	60 min Summer	34.062	66	120 min Summer	21.486	124	180 min Summer	16.410	166	240 min Summer	13.553	196	360 min Summer	10.351	258	480 min Summer	8.549	328	600 min Summer	7.371	396	720 min Summer	6.529	464	960 min Summer	5.291	600	1440 min Summer	3.935	868	2160 min Summer	2.926	1256	2880 min Summer	2.371	1620	4320 min Summer	1.786	2380	5760 min Summer	1.461	3112																																																			
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 10yrs			
Date April 2026 File Soakaway So5 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	53.763	0.563	0.1	3.2	O K
8640 min Summer	53.716	0.516	0.1	2.9	O K
10080 min Summer	53.677	0.477	0.1	2.7	O K
15 min Winter	53.675	0.475	0.1	2.7	O K
30 min Winter	53.788	0.588	0.1	3.4	O K
60 min Winter	53.915	0.715	0.2	4.1	O K
120 min Winter	54.041	0.841	0.2	4.8	O K
180 min Winter	54.099	0.899	0.2	5.1	O K
240 min Winter	54.131	0.931	0.2	5.3	O K
360 min Winter	54.176	0.976	0.2	5.6	O K
480 min Winter	54.194	0.994	0.2	5.7	O K
600 min Winter	54.198	0.998	0.2	5.7	O K
720 min Winter	54.194	0.994	0.2	5.7	O K
960 min Winter	54.154	0.954	0.2	5.5	O K
1440 min Winter	54.070	0.870	0.2	5.0	O K
2160 min Winter	53.961	0.761	0.2	4.4	O K
2880 min Winter	53.875	0.675	0.2	3.9	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.250		3824		
8640 min Summer	1.100		4576		
10080 min Summer	0.988		5248		
15 min Winter	85.604		22		
30 min Winter	53.998		37		
60 min Winter	34.062		66		
120 min Winter	21.486		122		
180 min Winter	16.410		176		
240 min Winter	13.553		200		
360 min Winter	10.351		274		
480 min Winter	8.549		350		
600 min Winter	7.371		426		
720 min Winter	6.529		498		
960 min Winter	5.291		640		
1440 min Winter	3.935		914		
2160 min Winter	2.926		1304		
2880 min Winter	2.371		1704		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 10yrs			
Date April 2026		Designed By KHN			
File Soakaway So5 1 in...		Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	53.760	0.560	0.1	3.2	O K
5760 min Winter	53.682	0.482	0.1	2.8	O K
7200 min Winter	53.624	0.424	0.1	2.4	O K
8640 min Winter	53.580	0.380	0.1	2.2	O K
10080 min Winter	53.546	0.346	0.1	2.0	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	1.786		2428		
5760 min Winter	1.461		3176		
7200 min Winter	1.250		3896		
8640 min Winter	1.100		4664		
10080 min Winter	0.988		5352		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So5 1 in 10yrs	
Date April 2026	Designed By KHN	
File Soakaway So5 1 in...	Checked By	
Micro Drainage		Source Control W.12.4

Rainfall Details

Rainfall Model	FEH	F (1km)	2.450
Return Period (years)	10	Summer Storms	Yes
Site Location	GB 511010 113687 FEH22	Winter Storms	Yes
C (1km)	-0.027	Cv (Summer)	1.000
D1 (1km)	0.396	Cv (Winter)	1.000
D2 (1km)	0.330	Shortest Storm (mins)	15
D3 (1km)	0.362	Longest Storm (mins)	10080
E (1km)	0.314	Climate Change %	+45

Time / Area Diagram

Total Area (ha) 0.013

Time (mins)	Area (ha)	Time (mins)	Area (ha)
0-4	0.000	4-8	0.013

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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So5 1 in 10yrs																					
Date April 2026 File Soakaway So5 1 in...	Designed By KHN Checked By																					
Micro Drainage Source Control W.12.4																						
<u>Model Details</u> Storage is Online Cover Level (m) 54.650 <u>Trench Soakaway Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00000</td> <td>Trench Width (m)</td> <td>1.3</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr)</td> <td>0.07272</td> <td>Trench Length (m)</td> <td>11.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Slope (1:X)</td> <td>0.0</td> </tr> <tr> <td>Porosity</td> <td>0.40</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> <tr> <td>Invert Level (m)</td> <td>53.200</td> <td>Cap Infiltration Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	1.3	Infiltration Coefficient Side (m/hr)	0.07272	Trench Length (m)	11.0	Safety Factor	2.0	Slope (1:X)	0.0	Porosity	0.40	Cap Volume Depth (m)	0.000	Invert Level (m)	53.200	Cap Infiltration Depth (m)	0.000
Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	1.3																			
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 100yrs			
Date April 2026 File Soakaway So5 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
<u>Summary of Results for 100 year Return Period (+45%)</u>					
Half Drain Time : 259 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	54.284	1.084	0.3	6.2	O K
30 min Summer	54.485	1.285	0.3	7.3	O K
60 min Summer	54.693	1.493	0.4	8.5	O K
120 min Summer	54.873	1.673	0.4	9.6	O K
180 min Summer	54.939	1.739	0.4	9.9	O K
240 min Summer	54.982	1.782	0.4	10.2	O K
360 min Summer	55.032	1.832	0.5	10.5	O K
480 min Summer	55.053	1.853	0.5	10.6	O K
600 min Summer	55.055	1.855	0.5	10.6	O K
720 min Summer	55.045	1.845	0.5	10.6	O K
960 min Summer	54.975	1.775	0.4	10.2	O K
1440 min Summer	54.833	1.633	0.4	9.3	O K
2160 min Summer	54.650	1.450	0.4	8.3	O K
2880 min Summer	54.506	1.306	0.3	7.5	O K
4320 min Summer	54.311	1.111	0.3	6.4	O K
5760 min Summer	54.172	0.972	0.2	5.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	195.491		23		
30 min Summer	118.009		37		
60 min Summer	71.237		66		
120 min Summer	43.002		124		
180 min Summer	32.008		166		
240 min Summer	25.959		196		
360 min Summer	19.322		258		
480 min Summer	15.670		328		
600 min Summer	13.320		396		
720 min Summer	11.664		464		
960 min Summer	9.281		600		
1440 min Summer	6.726		868		
2160 min Summer	4.874		1256		
2880 min Summer	3.879		1620		
4320 min Summer	2.848		2380		
5760 min Summer	2.287		3112		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 100yrs			
Date April 2026 File Soakaway So5 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.069	0.869	0.2	5.0	O K
8640 min Summer	53.987	0.787	0.2	4.5	O K
10080 min Summer	53.920	0.720	0.2	4.1	O K
15 min Winter	54.284	1.084	0.3	6.2	O K
30 min Winter	54.486	1.286	0.3	7.4	O K
60 min Winter	54.696	1.496	0.4	8.6	O K
120 min Winter	54.883	1.683	0.4	9.6	O K
180 min Winter	54.953	1.753	0.4	10.0	O K
240 min Winter	54.984	1.784	0.4	10.2	O K
360 min Winter	55.021	1.821	0.5	10.4	O K
480 min Winter	55.022	1.822	0.5	10.4	O K
600 min Winter	55.003	1.803	0.4	10.3	O K
720 min Winter	54.975	1.775	0.4	10.2	O K
960 min Winter	54.873	1.673	0.4	9.6	O K
1440 min Winter	54.687	1.487	0.4	8.5	O K
2160 min Winter	54.468	1.268	0.3	7.3	O K
2880 min Winter	54.305	1.105	0.3	6.3	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		3824		
8640 min Summer	1.679		4576		
10080 min Summer	1.493		5248		
15 min Winter	195.491		22		
30 min Winter	118.009		37		
60 min Winter	71.237		66		
120 min Winter	43.002		122		
180 min Winter	32.008		176		
240 min Winter	25.959		200		
360 min Winter	19.322		274		
480 min Winter	15.670		350		
600 min Winter	13.320		426		
720 min Winter	11.664		498		
960 min Winter	9.281		640		
1440 min Winter	6.726		914		
2160 min Winter	4.874		1304		
2880 min Winter	3.879		1704		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So5 1 in 100yrs			
Date April 2026 File Soakaway So5 1 in...		Designed By KHN Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.093	0.893	0.2	5.1	O K
5760 min Winter	53.954	0.754	0.2	4.3	O K
7200 min Winter	53.855	0.655	0.2	3.7	O K
8640 min Winter	53.780	0.580	0.1	3.3	O K
10080 min Winter	53.723	0.523	0.1	3.0	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	2.848		2428		
5760 min Winter	2.287		3176		
7200 min Winter	1.929		3896		
8640 min Winter	1.679		4664		
10080 min Winter	1.493		5352		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So5 1 in 100yrs																																									
Date April 2026	Designed By KHN																																									
File Soakaway So5 1 in...	Checked By																																									
Micro Drainage		Source Control W.12.4																																								
Rainfall Details <table><tr><td>Rainfall Model</td><td>FEH</td><td>F (1km)</td><td>2.450</td></tr><tr><td>Return Period (years)</td><td>100</td><td>Summer Storms</td><td>Yes</td></tr><tr><td>Site Location</td><td>GB 511010 113687 FEH22</td><td>Winter Storms</td><td>Yes</td></tr><tr><td>C (1km)</td><td>-0.027</td><td>Cv (Summer)</td><td>1.000</td></tr><tr><td>D1 (1km)</td><td>0.396</td><td>Cv (Winter)</td><td>1.000</td></tr><tr><td>D2 (1km)</td><td>0.330</td><td>Shortest Storm (mins)</td><td>15</td></tr><tr><td>D3 (1km)</td><td>0.362</td><td>Longest Storm (mins)</td><td>10080</td></tr><tr><td>E (1km)</td><td>0.314</td><td>Climate Change %</td><td>+45</td></tr></table> Time / Area Diagram Total Area (ha) 0.013 <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.000</td><td>4-8</td><td>0.013</td></tr></tbody></table>			Rainfall Model	FEH	F (1km)	2.450	Return Period (years)	100	Summer Storms	Yes	Site Location	GB 511010 113687 FEH22	Winter Storms	Yes	C (1km)	-0.027	Cv (Summer)	1.000	D1 (1km)	0.396	Cv (Winter)	1.000	D2 (1km)	0.330	Shortest Storm (mins)	15	D3 (1km)	0.362	Longest Storm (mins)	10080	E (1km)	0.314	Climate Change %	+45	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.000	4-8	0.013
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0-4	0.000	4-8	0.013																																							
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR	Old Clayton Kennels Storrington Soakaway So5 1 in 100yrs	
Date April 2026 File Soakaway So5 1 in...	Designed By KHN Checked By	
Micro Drainage Source Control W.12.4		

Model Details

Storage is Online Cover Level (m) 55.300

Trench Soakaway Structure

Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	1.3
Infiltration Coefficient Side (m/hr)	0.07272	Trench Length (m)	11.0
Safety Factor	2.0	Slope (1:X)	0.0
Porosity	0.40	Cap Volume Depth (m)	0.000
Invert Level (m)	53.200	Cap Infiltration Depth (m)	0.000

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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So6 1 in 10yrs			
Date April 2026 File Soakaway So6 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Half Drain Time : 236 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	53.977	0.477	0.1	2.3	O K
30 min Summer	54.091	0.591	0.1	2.8	O K
60 min Summer	54.215	0.715	0.2	3.4	O K
120 min Summer	54.332	0.832	0.2	4.0	O K
180 min Summer	54.386	0.886	0.2	4.3	O K
240 min Summer	54.423	0.923	0.2	4.4	O K
360 min Summer	54.472	0.972	0.2	4.7	O K
480 min Summer	54.498	0.998	0.2	4.8	O K
600 min Summer	54.511	1.011	0.2	4.9	O K
720 min Summer	54.515	1.015	0.2	4.9	O K
960 min Summer	54.489	0.989	0.2	4.7	O K
1440 min Summer	54.427	0.927	0.2	4.5	O K
2160 min Summer	54.339	0.839	0.2	4.0	O K
2880 min Summer	54.266	0.766	0.2	3.7	O K
4320 min Summer	54.164	0.664	0.2	3.2	O K
5760 min Summer	54.089	0.589	0.1	2.8	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	85.604		23		
30 min Summer	53.998		37		
60 min Summer	34.062		66		
120 min Summer	21.486		124		
180 min Summer	16.410		160		
240 min Summer	13.553		190		
360 min Summer	10.351		254		
480 min Summer	8.549		324		
600 min Summer	7.371		392		
720 min Summer	6.529		460		
960 min Summer	5.291		594		
1440 min Summer	3.935		856		
2160 min Summer	2.926		1240		
2880 min Summer	2.371		1620		
4320 min Summer	1.786		2344		
5760 min Summer	1.461		3104		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So6 1 in 10yrs			
Date April 2026 File Soakaway So6 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.033	0.533	0.1	2.6	O K
8640 min Summer	53.986	0.486	0.1	2.3	O K
10080 min Summer	53.950	0.450	0.1	2.2	O K
15 min Winter	53.978	0.478	0.1	2.3	O K
30 min Winter	54.091	0.591	0.1	2.8	O K
60 min Winter	54.217	0.717	0.2	3.4	O K
120 min Winter	54.337	0.837	0.2	4.0	O K
180 min Winter	54.391	0.891	0.2	4.3	O K
240 min Winter	54.424	0.924	0.2	4.4	O K
360 min Winter	54.464	0.964	0.2	4.6	O K
480 min Winter	54.478	0.978	0.2	4.7	O K
600 min Winter	54.478	0.978	0.2	4.7	O K
720 min Winter	54.471	0.971	0.2	4.7	O K
960 min Winter	54.426	0.926	0.2	4.4	O K
1440 min Winter	54.338	0.838	0.2	4.0	O K
2160 min Winter	54.227	0.727	0.2	3.5	O K
2880 min Winter	54.142	0.642	0.1	3.1	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.250		3816		
8640 min Summer	1.100		4576		
10080 min Summer	0.988		5248		
15 min Winter	85.604		22		
30 min Winter	53.998		36		
60 min Winter	34.062		64		
120 min Winter	21.486		122		
180 min Winter	16.410		174		
240 min Winter	13.553		196		
360 min Winter	10.351		272		
480 min Winter	8.549		346		
600 min Winter	7.371		420		
720 min Winter	6.529		494		
960 min Winter	5.291		632		
1440 min Winter	3.935		910		
2160 min Winter	2.926		1300		
2880 min Winter	2.371		1676		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So6 1 in 10yrs			
Date April 2026		Designed By KHN			
File Soakaway So6 1 in...		Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.029	0.529	0.1	2.5	O K
5760 min Winter	53.953	0.453	0.1	2.2	O K
7200 min Winter	53.898	0.398	0.1	1.9	O K
8640 min Winter	53.856	0.356	0.1	1.7	O K
10080 min Winter	53.823	0.323	0.1	1.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	1.786		2424		
5760 min Winter	1.461		3168		
7200 min Winter	1.250		3888		
8640 min Winter	1.100		4592		
10080 min Winter	0.988		5344		
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Kazys Narbutas Consulting Limited		Page 5																				
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Date April 2026 File Soakaway So6 1 in...		Designed By KHN Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.322	0.822	0.2	3.9	O K
8640 min Summer	54.242	0.742	0.2	3.6	O K
10080 min Summer	54.180	0.680	0.2	3.3	O K
15 min Winter	54.591	1.091	0.2	5.2	O K
30 min Winter	54.792	1.292	0.3	6.2	O K
60 min Winter	54.999	1.499	0.3	7.2	O K
120 min Winter	55.176	1.676	0.4	8.0	O K
180 min Winter	55.238	1.738	0.4	8.3	O K
240 min Winter	55.269	1.769	0.4	8.5	O K
360 min Winter	55.299	1.799	0.4	8.6	O K
480 min Winter	55.292	1.792	0.4	8.6	O K
600 min Winter	55.267	1.767	0.4	8.5	O K
720 min Winter	55.234	1.734	0.4	8.3	O K
960 min Winter	55.125	1.625	0.4	7.8	O K
1440 min Winter	54.933	1.433	0.3	6.9	O K
2160 min Winter	54.712	1.212	0.3	5.8	O K
2880 min Winter	54.550	1.050	0.2	5.0	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		3816		
8640 min Summer	1.679		4576		
10080 min Summer	1.493		5248		
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60 min Winter	71.237		64		
120 min Winter	43.002		122		
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240 min Winter	25.959		196		
360 min Winter	19.322		272		
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600 min Winter	13.320		420		
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960 min Winter	9.281		632		
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Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.344	0.844	0.2	4.0	O K
5760 min Winter	54.209	0.709	0.2	3.4	O K
7200 min Winter	54.114	0.614	0.1	2.9	O K
8640 min Winter	54.043	0.543	0.1	2.6	O K
10080 min Winter	53.989	0.489	0.1	2.3	O K
	Storm Event		Rain (mm/hr)	Time-Peak (mins)	
	4320 min Winter		2.848	2424	
	5760 min Winter		2.287	3168	
	7200 min Winter		1.929	3888	
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Date April 2026 File Soakaway So6 1 in...	Designed By KHN Checked By																					
Micro Drainage Source Control W.12.4																						
<u>Model Details</u> Storage is Online Cover Level (m) 55.400 <u>Trench Soakaway Structure</u> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00000</td> <td>Trench Width (m)</td> <td>1.2</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr)</td> <td>0.07272</td> <td>Trench Length (m)</td> <td>10.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Slope (1:X)</td> <td>0.0</td> </tr> <tr> <td>Porosity</td> <td>0.40</td> <td>Cap Volume Depth (m)</td> <td>0.000</td> </tr> <tr> <td>Invert Level (m)</td> <td>53.500</td> <td>Cap Infiltration Depth (m)</td> <td>0.000</td> </tr> </table>			Infiltration Coefficient Base (m/hr)	0.00000	Trench Width (m)	1.2	Infiltration Coefficient Side (m/hr)	0.07272	Trench Length (m)	10.0	Safety Factor	2.0	Slope (1:X)	0.0	Porosity	0.40	Cap Volume Depth (m)	0.000	Invert Level (m)	53.500	Cap Infiltration Depth (m)	0.000
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Porosity	0.40	Cap Volume Depth (m)	0.000																			
Invert Level (m)	53.500	Cap Infiltration Depth (m)	0.000																			
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Kazys Narbutas Consulting Limited				Page 1	
24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So7 1 in 10yrs			
Date April 2026 File Soakaway So7 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Half Drain Time : 258 minutes.					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	54.307	0.307	0.2	5.0	O K
30 min Summer	54.380	0.380	0.3	6.2	O K
60 min Summer	54.462	0.462	0.3	7.5	O K
120 min Summer	54.541	0.541	0.4	8.8	O K
180 min Summer	54.577	0.577	0.4	9.4	O K
240 min Summer	54.602	0.602	0.4	9.8	O K
360 min Summer	54.635	0.635	0.5	10.4	O K
480 min Summer	54.654	0.654	0.5	10.7	O K
600 min Summer	54.663	0.663	0.5	10.8	O K
720 min Summer	54.668	0.668	0.5	10.9	O K
960 min Summer	54.654	0.654	0.5	10.7	O K
1440 min Summer	54.617	0.617	0.4	10.1	O K
2160 min Summer	54.562	0.562	0.4	9.2	O K
2880 min Summer	54.516	0.516	0.4	8.4	O K
4320 min Summer	54.450	0.450	0.3	7.3	O K
5760 min Summer	54.401	0.401	0.3	6.5	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
15 min Summer	85.604		23		
30 min Summer	53.998		37		
60 min Summer	34.062		66		
120 min Summer	21.486		124		
180 min Summer	16.410		166		
240 min Summer	13.553		196		
360 min Summer	10.351		258		
480 min Summer	8.549		328		
600 min Summer	7.371		396		
720 min Summer	6.529		464		
960 min Summer	5.291		600		
1440 min Summer	3.935		868		
2160 min Summer	2.926		1256		
2880 min Summer	2.371		1620		
4320 min Summer	1.786		2380		
5760 min Summer	1.461		3112		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So7 1 in 10yrs			
Date April 2026 File Soakaway So7 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.363	0.363	0.3	5.9	O K
8640 min Summer	54.333	0.333	0.2	5.4	O K
10080 min Summer	54.308	0.308	0.2	5.0	O K
15 min Winter	54.307	0.307	0.2	5.0	O K
30 min Winter	54.381	0.381	0.3	6.2	O K
60 min Winter	54.463	0.463	0.3	7.6	O K
120 min Winter	54.544	0.544	0.4	8.9	O K
180 min Winter	54.581	0.581	0.4	9.5	O K
240 min Winter	54.602	0.602	0.4	9.8	O K
360 min Winter	54.631	0.631	0.4	10.3	O K
480 min Winter	54.643	0.643	0.5	10.5	O K
600 min Winter	54.645	0.645	0.5	10.5	O K
720 min Winter	54.642	0.642	0.5	10.5	O K
960 min Winter	54.616	0.616	0.4	10.1	O K
1440 min Winter	54.562	0.562	0.4	9.2	O K
2160 min Winter	54.492	0.492	0.3	8.0	O K
2880 min Winter	54.436	0.436	0.3	7.1	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.250		3824		
8640 min Summer	1.100		4576		
10080 min Summer	0.988		5248		
15 min Winter	85.604		22		
30 min Winter	53.998		37		
60 min Winter	34.062		66		
120 min Winter	21.486		122		
180 min Winter	16.410		176		
240 min Winter	13.553		198		
360 min Winter	10.351		274		
480 min Winter	8.549		350		
600 min Winter	7.371		426		
720 min Winter	6.529		496		
960 min Winter	5.291		640		
1440 min Winter	3.935		914		
2160 min Winter	2.926		1304		
2880 min Winter	2.371		1704		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So7 1 in 10yrs			
Date April 2026		Designed By KHN			
File Soakaway So7 1 in...		Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 10 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.362	0.362	0.3	5.9	O K
5760 min Winter	54.311	0.311	0.2	5.1	O K
7200 min Winter	54.274	0.274	0.2	4.5	O K
8640 min Winter	54.245	0.245	0.2	4.0	O K
10080 min Winter	54.223	0.223	0.2	3.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	1.786		2428		
5760 min Winter	1.461		3176		
7200 min Winter	1.250		3896		
8640 min Winter	1.100		4664		
10080 min Winter	0.988		5352		
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Rainfall Details <table><tr><td>Rainfall Model</td><td>FEH</td><td>F (1km)</td><td>2.450</td></tr><tr><td>Return Period (years)</td><td>10</td><td>Summer Storms</td><td>Yes</td></tr><tr><td>Site Location</td><td>GB 511010 113687 FEH22</td><td>Winter Storms</td><td>Yes</td></tr><tr><td>C (1km)</td><td>-0.027</td><td>Cv (Summer)</td><td>1.000</td></tr><tr><td>D1 (1km)</td><td>0.396</td><td>Cv (Winter)</td><td>1.000</td></tr><tr><td>D2 (1km)</td><td>0.330</td><td>Shortest Storm (mins)</td><td>15</td></tr><tr><td>D3 (1km)</td><td>0.362</td><td>Longest Storm (mins)</td><td>10080</td></tr><tr><td>E (1km)</td><td>0.314</td><td>Climate Change %</td><td>+45</td></tr></table> Time / Area Diagram Total Area (ha) 0.024 <table><thead><tr><th>Time (mins)</th><th>Area (ha)</th><th>Time (mins)</th><th>Area (ha)</th></tr></thead><tbody><tr><td>0-4</td><td>0.000</td><td>4-8</td><td>0.024</td></tr></tbody></table>			Rainfall Model	FEH	F (1km)	2.450	Return Period (years)	10	Summer Storms	Yes	Site Location	GB 511010 113687 FEH22	Winter Storms	Yes	C (1km)	-0.027	Cv (Summer)	1.000	D1 (1km)	0.396	Cv (Winter)	1.000	D2 (1km)	0.330	Shortest Storm (mins)	15	D3 (1km)	0.362	Longest Storm (mins)	10080	E (1km)	0.314	Climate Change %	+45	Time (mins)	Area (ha)	Time (mins)	Area (ha)	0-4	0.000	4-8	0.024
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Date April 2026 File Soakaway So7 1 in...	Designed By KHN Checked By																					
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Date April 2026 File Soakaway So7 1 in...		Designed By KHN Checked By			
Micro Drainage		Source Control W.12.4			
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
7200 min Summer	54.561	0.561	0.4	9.2	O K
8640 min Summer	54.508	0.508	0.4	8.3	O K
10080 min Summer	54.465	0.465	0.3	7.6	O K
15 min Winter	54.702	0.702	0.5	11.4	O K
30 min Winter	54.832	0.832	0.6	13.6	O K
60 min Winter	54.968	0.968	0.7	15.8	O K
120 min Winter	55.088	1.088	0.8	17.8	O K
180 min Winter	55.134	1.134	0.8	18.5	O K
240 min Winter	55.154	1.154	0.8	18.8	O K
360 min Winter	55.178	1.178	0.8	19.2	O K
480 min Winter	55.178	1.178	0.8	19.2	O K
600 min Winter	55.166	1.166	0.8	19.0	O K
720 min Winter	55.147	1.147	0.8	18.7	O K
960 min Winter	55.081	1.081	0.8	17.6	O K
1440 min Winter	54.961	0.961	0.7	15.7	O K
2160 min Winter	54.819	0.819	0.6	13.4	O K
2880 min Winter	54.714	0.714	0.5	11.6	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
7200 min Summer	1.929		3824		
8640 min Summer	1.679		4576		
10080 min Summer	1.493		5248		
15 min Winter	195.491		22		
30 min Winter	118.009		37		
60 min Winter	71.237		66		
120 min Winter	43.002		122		
180 min Winter	32.008		176		
240 min Winter	25.959		198		
360 min Winter	19.322		274		
480 min Winter	15.670		350		
600 min Winter	13.320		426		
720 min Winter	11.664		496		
960 min Winter	9.281		640		
1440 min Winter	6.726		914		
2160 min Winter	4.874		1304		
2880 min Winter	3.879		1704		
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24b Romsey Industrial Estate Greatbridge Road Romsey SO51 0HR		Old Clayton Kennels Storrington Soakaway So7 1 in 100yrs			
Date April 2026		Designed By KHN			
File Soakaway So7 1 in...		Checked By			
Micro Drainage			Source Control W.12.4		
Summary of Results for 100 year Return Period (+45%)					
Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
4320 min Winter	54.577	0.577	0.4	9.4	O K
5760 min Winter	54.487	0.487	0.3	7.9	O K
7200 min Winter	54.422	0.422	0.3	6.9	O K
8640 min Winter	54.375	0.375	0.3	6.1	O K
10080 min Winter	54.337	0.337	0.2	5.5	O K
Storm Event	Rain (mm/hr)		Time-Peak (mins)		
4320 min Winter	2.848		2428		
5760 min Winter	2.287		3176		
7200 min Winter	1.929		3896		
8640 min Winter	1.679		4664		
10080 min Winter	1.493		5352		
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