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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 170 sq m	
Date JAN 2018 File S A serving 170 sq m.SRC	Designed By PF Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 100 year Return Period (+40%)

Half Drain Time : 2563 minutes

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
15 Summer	0.0	0.0	100.3142	0.3142	4.2	O K
30 Summer	0.0	0.0	100.4207	0.4207	5.6	O K
60 Summer	0.0	0.0	100.5357	0.5357	7.1	O K
120 Summer	0.0	0.0	100.6543	0.6543	8.7	O K
180 Summer	0.0	0.0	100.7208	0.7208	9.6	O K
240 Summer	0.0	0.0	100.7648	0.7648	10.2	O K
360 Summer	0.0	0.0	100.8283	0.8283	11.0	O K
480 Summer	0.0	0.0	100.8708	0.8708	11.6	O K
600 Summer	0.1	0.1	100.9013	0.9013	12.0	O K
720 Summer	0.1	0.1	100.9238	0.9238	12.3	O K
960 Summer	0.1	0.1	100.9528	0.9528	12.7	O K
1440 Summer	0.1	0.1	100.9743	0.9743	13.0	O K
2160 Summer	0.1	0.1	100.9693	0.9693	12.9	O K
2880 Summer	0.1	0.1	100.9568	0.9568	12.7	O K
4320 Summer	0.1	0.1	100.9223	0.9223	12.3	O K
5760 Summer	0.0	0.0	100.8828	0.8828	11.7	O K
7200 Summer	0.0	0.0	100.8453	0.8453	11.2	O K
8640 Summer	0.0	0.0	100.8108	0.8108	10.8	O K
10080 Summer	0.0	0.0	100.7783	0.7783	10.3	O K
15 Winter	0.0	0.0	100.3517	0.3517	4.7	O K
30 Winter	0.0	0.0	100.4712	0.4712	6.3	O K
60 Winter	0.0	0.0	100.6008	0.6008	8.0	O K
120 Winter	0.0	0.0	100.7343	0.7343	9.8	O K
180 Winter	0.0	0.0	100.8093	0.8093	10.8	O K
240 Winter	0.0	0.0	100.8598	0.8598	11.4	O K
360 Winter	0.1	0.1	100.9328	0.9328	12.4	O K
480 Winter	0.1	0.1	100.9823	0.9823	13.1	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	131.85	23
30 Summer	88.57	38
60 Summer	56.71	68
120 Summer	35.00	128
180 Summer	25.97	188
240 Summer	20.88	248
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	606
720 Summer	9.04	726
960 Summer	7.24	966
1440 Summer	5.28	1444
2160 Summer	3.85	1884
2880 Summer	3.07	2276
4320 Summer	2.23	3032
5760 Summer	1.77	3864
7200 Summer	1.48	4688
8640 Summer	1.28	5536
10080 Summer	1.14	6352
15 Winter	131.85	23
30 Winter	88.57	38
60 Winter	56.71	68
120 Winter	35.00	126
180 Winter	25.97	186
240 Winter	20.88	244
360 Winter	15.37	362
480 Winter	12.34	480

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 170 sq m	
Date JAN 2018 File S A serving 170 sq m.SRC	Designed By PF Checked By	
Micro Drainage		Source Control W.11.2

Summary of Results for 100 year Return Period (+40%)

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
600 Winter	0.1	0.1	101.0178	1.0178	13.5	O K
720 Winter	0.1	0.1	101.0448	1.0448	13.9	O K
960 Winter	0.1	0.1	101.0813	1.0813	14.4	O K
1440 Winter	0.1	0.1	101.1138	1.1138	14.8	O K
2160 Winter	0.1	0.1	101.1158	1.1158	14.8	O K
2880 Winter	0.1	0.1	101.0963	1.0963	14.6	O K
4320 Winter	0.1	0.1	101.0558	1.0558	14.0	O K
5760 Winter	0.1	0.1	101.0028	1.0028	13.3	O K
7200 Winter	0.1	0.1	100.9488	0.9488	12.6	O K
8640 Winter	0.1	0.1	100.8983	0.8983	11.9	O K
10080 Winter	0.0	0.0	100.8508	0.8508	11.3	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	596
720 Winter	9.04	712
960 Winter	7.24	946
1440 Winter	5.28	1400
2160 Winter	3.85	2036
2880 Winter	3.07	2340
4320 Winter	2.23	3248
5760 Winter	1.77	4160
7200 Winter	1.48	5112
8640 Winter	1.28	5968
10080 Winter	1.14	6856

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 170 sq m	
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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Cv (Summer)	0.750	Summer Storms	Yes
Return Period (years)	100	Cv (Winter)	0.840	Winter Storms	Yes
M5-60 (mm)	20.000	Shortest Storm (mins)	15	Climate Change %	+40
Ratio-R	0.350	Longest Storm (mins)	10080		

Time / Area Diagram

Total Area (ha) = 0.017

Time (mins)	Area (ha)	Time (mins)	Area (ha)
from: to:		from: to:	
0 4	0.000	4 8	0.017

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 170 sq m																					
Date JAN 2018 File S A serving 170 sq m.SRC	Designed By PF Checked By																					
Micro Drainage		Source Control W.11.2																				
<u>Trench Soakaway Details</u> <table> <tr> <td>Infil Coef - Base (m/hr)</td> <td>0.009000</td> <td>Length (m)</td> <td>7.0</td> </tr> <tr> <td>Infil Coef - Sides (m/hr)</td> <td>0.009000</td> <td>Invert Level (m)</td> <td>100.000</td> </tr> <tr> <td>Safety Factor</td> <td>1.5</td> <td>Cover Level (m)</td> <td>101.700</td> </tr> <tr> <td>Porosity</td> <td>0.95</td> <td>Slope (1:x)</td> <td>0.0</td> </tr> <tr> <td>Width (m)</td> <td>2.0</td> <td></td> <td></td> </tr> </table>			Infil Coef - Base (m/hr)	0.009000	Length (m)	7.0	Infil Coef - Sides (m/hr)	0.009000	Invert Level (m)	100.000	Safety Factor	1.5	Cover Level (m)	101.700	Porosity	0.95	Slope (1:x)	0.0	Width (m)	2.0		
Infil Coef - Base (m/hr)	0.009000	Length (m)	7.0																			
Infil Coef - Sides (m/hr)	0.009000	Invert Level (m)	100.000																			
Safety Factor	1.5	Cover Level (m)	101.700																			
Porosity	0.95	Slope (1:x)	0.0																			
Width (m)	2.0																					
©1982-2008 Micro Drainage																						

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 100 sq m	
Date JAN 2018 File S A serving 100 sq m.SRC	Designed By PF Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 100 year Return Period (+40%)

Half Drain Time : 2388 minutes

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
15 Summer	0.0	0.0	100.3232	0.3232	2.5	O K
30 Summer	0.0	0.0	100.4327	0.4327	3.3	O K
60 Summer	0.0	0.0	100.5512	0.5512	4.2	O K
120 Summer	0.0	0.0	100.6728	0.6728	5.1	O K
180 Summer	0.0	0.0	100.7408	0.7408	5.6	O K
240 Summer	0.0	0.0	100.7858	0.7858	6.0	O K
360 Summer	0.0	0.0	100.8503	0.8503	6.5	O K
480 Summer	0.0	0.0	100.8928	0.8928	6.8	O K
600 Summer	0.0	0.0	100.9233	0.9233	7.0	O K
720 Summer	0.0	0.0	100.9448	0.9448	7.2	O K
960 Summer	0.0	0.0	100.9723	0.9723	7.4	O K
1440 Summer	0.0	0.0	100.9908	0.9908	7.5	O K
2160 Summer	0.0	0.0	100.9843	0.9843	7.5	O K
2880 Summer	0.0	0.0	100.9713	0.9713	7.4	O K
4320 Summer	0.0	0.0	100.9353	0.9353	7.1	O K
5760 Summer	0.0	0.0	100.8938	0.8938	6.8	O K
7200 Summer	0.0	0.0	100.8543	0.8543	6.5	O K
8640 Summer	0.0	0.0	100.8178	0.8178	6.2	O K
10080 Summer	0.0	0.0	100.7838	0.7838	6.0	O K
15 Winter	0.0	0.0	100.3622	0.3622	2.8	O K
30 Winter	0.0	0.0	100.4852	0.4852	3.7	O K
60 Winter	0.0	0.0	100.6178	0.6178	4.7	O K
120 Winter	0.0	0.0	100.7553	0.7553	5.7	O K
180 Winter	0.0	0.0	100.8323	0.8323	6.3	O K
240 Winter	0.0	0.0	100.8833	0.8833	6.7	O K
360 Winter	0.0	0.0	100.9573	0.9573	7.3	O K
480 Winter	0.0	0.0	101.0068	1.0068	7.7	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	131.85	23
30 Summer	88.57	38
60 Summer	56.71	68
120 Summer	35.00	128
180 Summer	25.97	188
240 Summer	20.88	248
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	606
720 Summer	9.04	726
960 Summer	7.24	966
1440 Summer	5.28	1444
2160 Summer	3.85	1824
2880 Summer	3.07	2196
4320 Summer	2.23	2988
5760 Summer	1.77	3816
7200 Summer	1.48	4680
8640 Summer	1.28	5456
10080 Summer	1.14	6344
15 Winter	131.85	23
30 Winter	88.57	38
60 Winter	56.71	68
120 Winter	35.00	126
180 Winter	25.97	186
240 Winter	20.88	244
360 Winter	15.37	362
480 Winter	12.34	480

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 100 sq m	
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Micro Drainage	Source Control W.11.2	

Summary of Results for 100 year Return Period (+40%)

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m³)	Status
600 Winter	0.0	0.0	101.0423	1.0423	7.9	O K
720 Winter	0.0	0.0	101.0688	1.0688	8.1	O K
960 Winter	0.0	0.0	101.1038	1.1038	8.4	O K
1440 Winter	0.0	0.0	101.1333	1.1333	8.6	O K
2160 Winter	0.0	0.0	101.1293	1.1293	8.6	O K
2880 Winter	0.0	0.0	101.1108	1.1108	8.4	O K
4320 Winter	0.0	0.0	101.0663	1.0663	8.1	O K
5760 Winter	0.0	0.0	101.0093	1.0093	7.7	O K
7200 Winter	0.0	0.0	100.9528	0.9528	7.2	O K
8640 Winter	0.0	0.0	100.8998	0.8998	6.8	O K
10080 Winter	0.0	0.0	100.8503	0.8503	6.5	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	596
720 Winter	9.04	712
960 Winter	7.24	940
1440 Winter	5.28	1388
2160 Winter	3.85	2016
2880 Winter	3.07	2280
4320 Winter	2.23	3204
5760 Winter	1.77	4144
7200 Winter	1.48	5040
8640 Winter	1.28	5888
10080 Winter	1.14	6760

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 100 sq m	
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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Cv (Summer)	0.750	Summer Storms	Yes
Return Period (years)	100	Cv (Winter)	0.840	Winter Storms	Yes
M5-60 (mm)	20.000	Shortest Storm (mins)	15	Climate Change %	+40
Ratio-R	0.350	Longest Storm (mins)	10080		

Time / Area Diagram

Total Area (ha) = 0.010

Time (mins)	Area (ha)	Time (mins)	Area (ha)
from:	to:	from:	to:
0	4	0.000	
		4	8
		0.010	

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 100 sq m	
Date JAN 2018 File S A serving 100 sq m.SRC	Designed By PF Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	4.0
Infil Coef - Sides (m/hr)	0.009000	Invert Level (m)	100.000
Safety Factor	1.5	Cover Level (m)	101.700
Porosity	0.95	Slope (1:x)	0.0
Width (m)	2.0		