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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A serving 70 sq m	
Date JAN 2018 File S A serving 70 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 : 2164 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	100.3018	0.3017	1.7	O K
30 Summer	0.0	0.0	100.4037	0.4037	2.3	O K
60 Summer	0.0	0.0	100.5137	0.5137	2.9	O K
120 Summer	0.0	0.0	100.6263	0.6263	3.6	O K
180 Summer	0.0	0.0	100.6893	0.6893	3.9	O K
240 Summer	0.0	0.0	100.7303	0.7303	4.2	O K
360 Summer	0.0	0.0	100.7888	0.7888	4.5	O K
480 Summer	0.0	0.0	100.8273	0.8273	4.7	O K
600 Summer	0.0	0.0	100.8538	0.8538	4.9	O K
720 Summer	0.0	0.0	100.8723	0.8723	5.0	O K
960 Summer	0.0	0.0	100.8948	0.8948	5.1	O K
1440 Summer	0.0	0.0	100.9053	0.9053	5.2	O K
2160 Summer	0.0	0.0	100.8978	0.8978	5.1	O K
2880 Summer	0.0	0.0	100.8838	0.8838	5.0	O K
4320 Summer	0.0	0.0	100.8468	0.8468	4.8	O K
5760 Summer	0.0	0.0	100.8053	0.8053	4.6	O K
7200 Summer	0.0	0.0	100.7668	0.7668	4.4	O K
8640 Summer	0.0	0.0	100.7318	0.7318	4.2	O K
10080 Summer	0.0	0.0	100.6988	0.6988	4.0	O K
15 Winter	0.0	0.0	100.3377	0.3377	1.9	O K
30 Winter	0.0	0.0	100.4527	0.4527	2.6	O K
60 Winter	0.0	0.0	100.5762	0.5762	3.3	O K
120 Winter	0.0	0.0	100.7033	0.7033	4.0	O K
180 Winter	0.0	0.0	100.7743	0.7743	4.4	O K
240 Winter	0.0	0.0	100.8213	0.8213	4.7	O K
360 Winter	0.0	0.0	100.8888	0.8888	5.1	O K
480 Winter	0.0	0.0	100.9333	0.9333	5.3	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	1432
2160 Summer	3.85	1756
2880 Summer	3.07	2136
4320 Summer	2.23	2944
5760 Summer	1.77	3800
7200 Summer	1.48	4608
8640 Summer	1.28	5448
10080 Summer	1.14	6256
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	478

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Date JAN 2018 File S A serving 70 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	0.0	0.0	100.9648	0.9648	5.5	O K
720 Winter	0.0	0.0	100.9878	0.9878	5.6	O K
960 Winter	0.0	0.0	101.0168	1.0168	5.8	O K
1440 Winter	0.0	0.0	101.0378	1.0378	5.9	O K
2160 Winter	0.0	0.0	101.0268	1.0268	5.9	O K
2880 Winter	0.0	0.0	101.0103	1.0103	5.8	O K
4320 Winter	0.0	0.0	100.9618	0.9618	5.5	O K
5760 Winter	0.0	0.0	100.9043	0.9043	5.2	O K
7200 Winter	0.0	0.0	100.8483	0.8483	4.8	O K
8640 Winter	0.0	0.0	100.7968	0.7968	4.5	O K
10080 Winter	0.0	0.0	100.7488	0.7488	4.3	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	594
720 Winter	9.04	712
960 Winter	7.24	938
1440 Winter	5.28	1386
2160 Winter	3.85	1972
2880 Winter	3.07	2244
4320 Winter	2.23	3160
5760 Winter	1.77	4088
7200 Winter	1.48	4968
8640 Winter	1.28	5872
10080 Winter	1.14	6664

KINGS CLOSE
YAPTON
S A serving 70 sq m

Designed By PF
Checked By



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) = 0.007

Time (mins)	Area	Time (mins)	Area
from: to:	(ha)	from: to:	(ha)
0 4	0.000	4 8	0.007

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Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	3.0
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		

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON CATCHMENT A	
Date JAN 2018 File catchment A.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 : 769 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	0.6	0.6	100.1277	0.1278	18.5	O K
30 Summer	0.6	0.6	100.1748	0.1747	25.2	O K
60 Summer	0.6	0.6	100.2233	0.2232	32.3	O K
120 Summer	0.6	0.6	100.2702	0.2702	39.0	O K
180 Summer	0.6	0.6	100.2927	0.2927	42.3	O K
240 Summer	0.6	0.6	100.3057	0.3057	44.1	O K
360 Summer	0.6	0.6	100.3197	0.3197	46.2	O K
480 Summer	0.6	0.6	100.3247	0.3247	46.9	O K
600 Summer	0.6	0.6	100.3242	0.3242	46.8	O K
720 Summer	0.6	0.6	100.3217	0.3217	46.5	O K
960 Summer	0.6	0.6	100.3162	0.3162	45.7	O K
1440 Summer	0.6	0.6	100.3007	0.3007	43.4	O K
2160 Summer	0.6	0.6	100.2742	0.2742	39.6	O K
2880 Summer	0.6	0.6	100.2472	0.2472	35.7	O K
4320 Summer	0.6	0.6	100.1973	0.1972	28.5	O K
5760 Summer	0.6	0.6	100.1543	0.1543	22.3	O K
7200 Summer	0.6	0.6	100.1188	0.1188	17.2	O K
8640 Summer	0.6	0.6	100.0912	0.0913	13.2	O K
10080 Summer	0.6	0.6	100.0713	0.0713	10.3	O K
15 Winter	0.6	0.6	100.1452	0.1452	20.9	O K
30 Winter	0.6	0.6	100.1977	0.1977	28.5	O K
60 Winter	0.6	0.6	100.2527	0.2527	36.5	O K
120 Winter	0.6	0.6	100.3062	0.3062	44.2	O K
180 Winter	0.6	0.6	100.3332	0.3332	48.1	O K
240 Winter	0.6	0.6	100.3487	0.3487	50.3	O K
360 Winter	0.6	0.6	100.3672	0.3672	53.0	O K
480 Winter	0.6	0.6	100.3752	0.3752	54.2	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	131.85	22
30 Summer	88.57	37
60 Summer	56.71	66
120 Summer	35.00	126
180 Summer	25.97	186
240 Summer	20.88	244
360 Summer	15.37	362
480 Summer	12.34	482
600 Summer	10.40	584
720 Summer	9.04	628
960 Summer	7.24	754
1440 Summer	5.28	1012
2160 Summer	3.85	1412
2880 Summer	3.07	1820
4320 Summer	2.23	2596
5760 Summer	1.77	3344
7200 Summer	1.48	4040
8640 Summer	1.28	4752
10080 Summer	1.14	5352
15 Winter	131.85	22
30 Winter	88.57	37
60 Winter	56.71	66
120 Winter	35.00	124
180 Winter	25.97	182
240 Winter	20.88	240
360 Winter	15.37	356
480 Winter	12.34	468

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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 (m ³)	Status
600 Winter	0.6	0.6	100.3772	0.3772	54.5	O K
720 Winter	0.6	0.6	100.3757	0.3757	54.3	O K
960 Winter	0.6	0.6	100.3667	0.3667	52.9	O K
1440 Winter	0.6	0.6	100.3457	0.3457	49.9	O K
2160 Winter	0.6	0.6	100.3062	0.3062	44.3	O K
2880 Winter	0.6	0.6	100.2657	0.2657	38.3	O K
4320 Winter	0.6	0.6	100.1892	0.1892	27.3	O K
5760 Winter	0.6	0.6	100.1253	0.1253	18.1	O K
7200 Winter	0.6	0.6	100.0778	0.0778	11.3	O K
8640 Winter	0.6	0.6	100.0512	0.0513	7.4	O K
10080 Winter	0.5	0.5	100.0452	0.0452	6.5	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	580
720 Winter	9.04	688
960 Winter	7.24	878
1440 Winter	5.28	1098
2160 Winter	3.85	1544
2880 Winter	3.07	1988
4320 Winter	2.23	2772
5760 Winter	1.77	3512
7200 Winter	1.48	4112
8640 Winter	1.28	4576
10080 Winter	1.14	5232

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON CATCHMENT A	
Date JAN 2018 File catchment A.SRC	Designed By PF Checked By	
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) = 0.084

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.036	4	8	0.048

One Little London
Chichester
Sussex PO19 1PP

KINGS CLOSE
YAPTON
CATCHMENT A

Date JAN 2018
File catchment A.SRC

Designed By PF
Checked By



Micro Drainage

Source Control W.11.2

Porous Car Park Details

Infil Coef - Base (m/hr)	0.009000	Invert Level (m)	100.000
Membrane Percolation (mm/hr)	1000	Cover Level (m)	100.600
Safety Factor	1.5	Slope (1:x)	0.0
Porosity	0.40	Max Percolation (l/s)	100.3
Length (m)	19.0	Depression Storage (mm)	5
Width (m)	19.0	Evaporation (mm/day)	3

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One Little London	KINGS CLOSE	
Chichester	YAPTON	
Sussex PO19 1PP	CATCHMENT B	
Date JAN 2018	Designed By PF	
File catchment B.SRC	Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 629 minutes

Storm Duration (mins)	Maximum Filtration (l/s)	Maximum Outflow (l/s)	Maximum Water Level (m OD)	Maximum Depth (m)	Maximum Volume (m ³)	Status
15 Summer	0.9	0.9	100.1083	0.1083	24.4	O K
30 Summer	0.9	0.9	100.1488	0.1487	33.4	O K
60 Summer	0.9	0.9	100.1902	0.1902	42.8	O K
120 Summer	0.9	0.9	100.2292	0.2292	51.5	O K
180 Summer	0.9	0.9	100.2482	0.2482	55.7	O K
240 Summer	0.9	0.9	100.2578	0.2577	57.9	O K
360 Summer	0.9	0.9	100.2677	0.2677	60.1	O K
480 Summer	0.9	0.9	100.2692	0.2692	60.5	O K
600 Summer	0.9	0.9	100.2682	0.2682	60.3	O K
720 Summer	0.9	0.9	100.2663	0.2662	59.8	O K
960 Summer	0.9	0.9	100.2602	0.2602	58.5	O K
1440 Summer	0.9	0.9	100.2452	0.2452	55.1	O K
2160 Summer	0.9	0.9	100.2192	0.2192	49.3	O K
2880 Summer	0.9	0.9	100.1937	0.1937	43.5	O K
4320 Summer	0.9	0.9	100.1478	0.1478	33.2	O K
5760 Summer	0.9	0.9	100.1103	0.1103	24.8	O K
7200 Summer	0.9	0.9	100.0823	0.0823	18.5	O K
8640 Summer	0.9	0.9	100.0632	0.0633	14.2	O K
10080 Summer	0.9	0.9	100.0512	0.0512	11.5	O K
15 Winter	0.9	0.9	100.1233	0.1233	27.7	O K
30 Winter	0.9	0.9	100.1687	0.1687	37.9	O K
60 Winter	0.9	0.9	100.2158	0.2157	48.4	O K
120 Winter	0.9	0.9	100.2607	0.2607	58.5	O K
180 Winter	0.9	0.9	100.2827	0.2827	63.5	O K
240 Winter	0.9	0.9	100.2947	0.2947	66.2	O K
360 Winter	0.9	0.9	100.3082	0.3082	69.2	O K
480 Winter	0.9	0.9	100.3127	0.3127	70.3	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	131.85	22
30 Summer	88.57	37
60 Summer	56.71	66
120 Summer	35.00	126
180 Summer	25.97	184
240 Summer	20.88	244
360 Summer	15.37	362
480 Summer	12.34	476
600 Summer	10.40	522
720 Summer	9.04	584
960 Summer	7.24	710
1440 Summer	5.28	980
2160 Summer	3.85	1384
2880 Summer	3.07	1788
4320 Summer	2.23	2552
5760 Summer	1.77	3240
7200 Summer	1.48	3960
8640 Summer	1.28	4584
10080 Summer	1.14	5240
15 Winter	131.85	22
30 Winter	88.57	36
60 Winter	56.71	66
120 Winter	35.00	124
180 Winter	25.97	182
240 Winter	20.88	238
360 Winter	15.37	354
480 Winter	12.34	466

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON CATCHMENT B	
Date JAN 2018 File catchment B.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 (m ³)	Status
600 Winter	0.9	0.9	100.3122	0.3122	70.2	O K
720 Winter	0.9	0.9	100.3087	0.3087	69.4	O K
960 Winter	0.9	0.9	100.2997	0.2997	67.4	O K
1440 Winter	0.9	0.9	100.2782	0.2782	62.5	O K
2160 Winter	0.9	0.9	100.2393	0.2392	53.7	O K
2880 Winter	0.9	0.9	100.1998	0.1997	44.9	O K
4320 Winter	0.9	0.9	100.1302	0.1303	29.3	O K
5760 Winter	0.9	0.9	100.0788	0.0788	17.6	O K
7200 Winter	0.9	0.9	100.0502	0.0502	11.3	O K
8640 Winter	0.8	0.8	100.0437	0.0437	9.8	O K
10080 Winter	0.7	0.7	100.0387	0.0387	8.7	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	572
720 Winter	9.04	674
960 Winter	7.24	762
1440 Winter	5.28	1068
2160 Winter	3.85	1512
2880 Winter	3.07	1932
4320 Winter	2.23	2684
5760 Winter	1.77	3344
7200 Winter	1.48	3816
8640 Winter	1.28	4496
10080 Winter	1.14	5240

KINGS CLOSE
YAPTON
CATCHMENT B



Designed By PF
Checked By

Source Control W.11.2

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.056	4	8	0.057

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Micro Drainage	Source Control W.11.2	

Porous Car Park Details

Infil Coef - Base (m/hr)	0.009000	Invert Level (m)	100.000
Membrane Percolation (mm/hr)	1000	Cover Level (m)	100.600
Safety Factor	1.5	Slope (1:x)	0.0
Porosity	0.40	Max Percolation (l/s)	156.0
Length (m)	23.7	Depression Storage (mm)	5
Width (m)	23.7	Evaporation (mm/day)	3