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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON SA 1 and SA 4	
Date MAY 2018 File SA 1.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 : 1202 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	100.3687	0.3687	2.5	O K
30 Summer	0.0	0.0	100.4927	0.4927	3.3	O K
60 Summer	0.0	0.0	100.6253	0.6253	4.2	O K
120 Summer	0.0	0.0	100.7573	0.7573	5.0	O K
180 Summer	0.1	0.1	100.8278	0.8278	5.5	O K
240 Summer	0.1	0.1	100.8713	0.8713	5.8	O K
360 Summer	0.1	0.1	100.9288	0.9288	6.2	O K
480 Summer	0.1	0.1	100.9608	0.9608	6.4	O K
600 Summer	0.1	0.1	100.9783	0.9783	6.5	O K
720 Summer	0.1	0.1	100.9863	0.9863	6.6	O K
960 Summer	0.1	0.1	100.9918	0.9918	6.6	O K
1440 Summer	0.1	0.1	100.9928	0.9928	6.6	O K
2160 Summer	0.1	0.1	100.9773	0.9773	6.5	O K
2880 Summer	0.1	0.1	100.9508	0.9508	6.3	O K
4320 Summer	0.1	0.1	100.8888	0.8888	5.9	O K
5760 Summer	0.1	0.1	100.8273	0.8273	5.5	O K
7200 Summer	0.0	0.0	100.7733	0.7733	5.1	O K
8640 Summer	0.0	0.0	100.7258	0.7258	4.8	O K
10080 Summer	0.0	0.0	100.6833	0.6833	4.5	O K
15 Winter	0.0	0.0	100.4132	0.4132	2.7	O K
30 Winter	0.0	0.0	100.5522	0.5522	3.7	O K
60 Winter	0.0	0.0	100.7008	0.7008	4.7	O K
120 Winter	0.1	0.1	100.8503	0.8503	5.7	O K
180 Winter	0.1	0.1	100.9303	0.9303	6.2	O K
240 Winter	0.1	0.1	100.9798	0.9798	6.5	O K
360 Winter	0.1	0.1	101.0468	1.0468	7.0	O K
480 Winter	0.1	0.1	101.0853	1.0853	7.2	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	186
240 Summer	20.88	246
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	604
720 Summer	9.04	724
960 Summer	7.24	832
1440 Summer	5.28	1074
2160 Summer	3.85	1476
2880 Summer	3.07	1904
4320 Summer	2.23	2728
5760 Summer	1.77	3520
7200 Summer	1.48	4328
8640 Summer	1.28	5104
10080 Summer	1.14	5856
15 Winter	131.85	23
30 Winter	88.57	37
60 Winter	56.71	68
120 Winter	35.00	126
180 Winter	25.97	184
240 Winter	20.88	242
360 Winter	15.37	358
480 Winter	12.34	472

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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	0.1	0.1	101.1093	1.1093	7.4	O K
720 Winter	0.1	0.1	101.1208	1.1208	7.5	O K
960 Winter	0.1	0.1	101.1283	1.1283	7.5	O K
1440 Winter	0.1	0.1	101.1223	1.1223	7.5	O K
2160 Winter	0.1	0.1	101.0953	1.0953	7.3	O K
2880 Winter	0.1	0.1	101.0543	1.0543	7.0	O K
4320 Winter	0.1	0.1	100.9628	0.9628	6.4	O K
5760 Winter	0.1	0.1	100.8763	0.8763	5.8	O K
7200 Winter	0.1	0.1	100.8008	0.8008	5.3	O K
8640 Winter	0.0	0.0	100.7353	0.7353	4.9	O K
10080 Winter	0.0	0.0	100.6783	0.6783	4.5	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	586
720 Winter	9.04	696
960 Winter	7.24	906
1440 Winter	5.28	1126
2160 Winter	3.85	1584
2880 Winter	3.07	2048
4320 Winter	2.23	2904
5760 Winter	1.77	3752
7200 Winter	1.48	4608
8640 Winter	1.28	5440
10080 Winter	1.14	6248

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Chichester	YAPTON	
Sussex PO19 1PP	SA 1 and SA 4	
Date MAY 2018	Designed By PF	
File SA 1.SRC	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) = 0.010

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

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Micro Drainage		Source Control W.11.2

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	14.0
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)	0.5		

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A 2	
Date MAY 2018 File SA 2.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 : 1181 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	100.3612	0.3612	1.7	O K
30 Summer	0.0	0.0	100.4827	0.4827	2.3	O K
60 Summer	0.0	0.0	100.6123	0.6123	2.9	O K
120 Summer	0.0	0.0	100.7413	0.7413	3.5	O K
180 Summer	0.0	0.0	100.8103	0.8103	3.8	O K
240 Summer	0.0	0.0	100.8528	0.8528	4.1	O K
360 Summer	0.0	0.0	100.9083	0.9083	4.3	O K
480 Summer	0.0	0.0	100.9393	0.9393	4.5	O K
600 Summer	0.0	0.0	100.9558	0.9558	4.5	O K
720 Summer	0.0	0.0	100.9633	0.9633	4.6	O K
960 Summer	0.0	0.0	100.9688	0.9688	4.6	O K
1440 Summer	0.0	0.0	100.9693	0.9693	4.6	O K
2160 Summer	0.0	0.0	100.9533	0.9533	4.5	O K
2880 Summer	0.0	0.0	100.9263	0.9263	4.4	O K
4320 Summer	0.0	0.0	100.8648	0.8648	4.1	O K
5760 Summer	0.0	0.0	100.8043	0.8043	3.8	O K
7200 Summer	0.0	0.0	100.7513	0.7513	3.6	O K
8640 Summer	0.0	0.0	100.7043	0.7043	3.3	O K
10080 Summer	0.0	0.0	100.6628	0.6628	3.1	O K
15 Winter	0.0	0.0	100.4047	0.4047	1.9	O K
30 Winter	0.0	0.0	100.5412	0.5412	2.6	O K
60 Winter	0.0	0.0	100.6863	0.6863	3.3	O K
120 Winter	0.0	0.0	100.8328	0.8328	4.0	O K
180 Winter	0.0	0.0	100.9108	0.9108	4.3	O K
240 Winter	0.0	0.0	100.9593	0.9593	4.6	O K
360 Winter	0.0	0.0	101.0243	1.0243	4.9	O K
480 Winter	0.0	0.0	101.0613	1.0613	5.0	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	186
240 Summer	20.88	246
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	604
720 Summer	9.04	724
960 Summer	7.24	824
1440 Summer	5.28	1072
2160 Summer	3.85	1476
2880 Summer	3.07	1880
4320 Summer	2.23	2728
5760 Summer	1.77	3520
7200 Summer	1.48	4328
8640 Summer	1.28	5104
10080 Summer	1.14	5856
15 Winter	131.85	23
30 Winter	88.57	37
60 Winter	56.71	66
120 Winter	35.00	126
180 Winter	25.97	184
240 Winter	20.88	242
360 Winter	15.37	358
480 Winter	12.34	472

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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	101.0833	1.0833	5.1	O K
720 Winter	0.0	0.0	101.0953	1.0953	5.2	O K
960 Winter	0.0	0.0	101.1013	1.1013	5.2	O K
1440 Winter	0.0	0.0	101.0953	1.0953	5.2	O K
2160 Winter	0.0	0.0	101.0678	1.0678	5.1	O K
2880 Winter	0.0	0.0	101.0268	1.0268	4.9	O K
4320 Winter	0.0	0.0	100.9358	0.9358	4.4	O K
5760 Winter	0.0	0.0	100.8503	0.8503	4.0	O K
7200 Winter	0.0	0.0	100.7758	0.7758	3.7	O K
8640 Winter	0.0	0.0	100.7118	0.7118	3.4	O K
10080 Winter	0.0	0.0	100.6563	0.6563	3.1	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	584
720 Winter	9.04	696
960 Winter	7.24	900
1440 Winter	5.28	1116
2160 Winter	3.85	1584
2880 Winter	3.07	2024
4320 Winter	2.23	2904
5760 Winter	1.77	3752
7200 Winter	1.48	4608
8640 Winter	1.28	5368
10080 Winter	1.14	6160

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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) = 0.007

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

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One Little London	KINGS CLOSE	
Chichester	YAPTON	
Sussex PO19 1PP	S A 2	
Date MAY 2018	Designed By PF	
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Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	10.0
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)	0.5		

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON SA 3	
Date MAY 2018 File SA 3.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 : 1228 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	100.3817	0.3817	4.2	O K
30 Summer	0.1	0.1	100.5102	0.5102	5.6	O K
60 Summer	0.1	0.1	100.6473	0.6473	7.1	O K
120 Summer	0.1	0.1	100.7843	0.7843	8.6	O K
180 Summer	0.1	0.1	100.8573	0.8573	9.4	O K
240 Summer	0.1	0.1	100.9028	0.9028	9.9	O K
360 Summer	0.1	0.1	100.9628	0.9628	10.5	O K
480 Summer	0.1	0.1	100.9968	0.9968	10.9	O K
600 Summer	0.1	0.1	101.0158	1.0158	11.1	O K
720 Summer	0.1	0.1	101.0248	1.0248	11.2	O K
960 Summer	0.1	0.1	101.0308	1.0308	11.3	O K
1440 Summer	0.1	0.1	101.0323	1.0323	11.3	O K
2160 Summer	0.1	0.1	101.0173	1.0173	11.1	O K
2880 Summer	0.1	0.1	100.9913	0.9913	10.8	O K
4320 Summer	0.1	0.1	100.9283	0.9283	10.1	O K
5760 Summer	0.1	0.1	100.8653	0.8653	9.5	O K
7200 Summer	0.1	0.1	100.8098	0.8098	8.8	O K
8640 Summer	0.1	0.1	100.7608	0.7608	8.3	O K
10080 Summer	0.1	0.1	100.7168	0.7168	7.8	O K
15 Winter	0.1	0.1	100.4277	0.4277	4.7	O K
30 Winter	0.1	0.1	100.5717	0.5717	6.2	O K
60 Winter	0.1	0.1	100.7253	0.7253	7.9	O K
120 Winter	0.1	0.1	100.8803	0.8803	9.6	O K
180 Winter	0.1	0.1	100.9633	0.9633	10.5	O K
240 Winter	0.1	0.1	101.0153	1.0153	11.1	O K
360 Winter	0.1	0.1	101.0853	1.0853	11.9	O K
480 Winter	0.1	0.1	101.1258	1.1258	12.3	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	186
240 Summer	20.88	246
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	604
720 Summer	9.04	724
960 Summer	7.24	838
1440 Summer	5.28	1086
2160 Summer	3.85	1480
2880 Summer	3.07	1904
4320 Summer	2.23	2728
5760 Summer	1.77	3520
7200 Summer	1.48	4328
8640 Summer	1.28	5104
10080 Summer	1.14	5944
15 Winter	131.85	23
30 Winter	88.57	37
60 Winter	56.71	68
120 Winter	35.00	126
180 Winter	25.97	184
240 Winter	20.88	242
360 Winter	15.37	358
480 Winter	12.34	474

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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	0.1	0.1	101.1503	1.1503	12.6	O K
720 Winter	0.1	0.1	101.1643	1.1643	12.7	O K
960 Winter	0.1	0.1	101.1728	1.1728	12.8	O K
1440 Winter	0.1	0.1	101.1668	1.1668	12.7	O K
2160 Winter	0.1	0.1	101.1408	1.1408	12.5	O K
2880 Winter	0.1	0.1	101.0993	1.0993	12.0	O K
4320 Winter	0.1	0.1	101.0068	1.0068	11.0	O K
5760 Winter	0.1	0.1	100.9178	0.9178	10.0	O K
7200 Winter	0.1	0.1	100.8493	0.8493	9.2	O K
8640 Winter	0.1	0.1	100.7728	0.7728	8.4	O K
10080 Winter	0.1	0.1	100.7138	0.7138	7.8	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	586
720 Winter	9.04	696
960 Winter	7.24	906
1440 Winter	5.28	1129
2160 Winter	3.85	1584
2880 Winter	3.07	2048
4320 Winter	2.23	2940
5760 Winter	1.77	3752
7200 Winter	1.48	4608
8640 Winter	1.28	5440
10080 Winter	1.14	6248

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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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Micro Drainage		Source Control W.11.2

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	23.0
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:s)	0.0
Width (m)	0.5		

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One Little London Chichester Sussex PO19 1PP	KINGS CLOSE YAPTON S A 5	
Date MAY 2018 File SA 5.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 : 1222 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	100.3802	0.3802	3.4	O K
30 Summer	0.0	0.0	100.5082	0.5082	4.6	O K
60 Summer	0.1	0.1	100.6448	0.6448	5.8	O K
120 Summer	0.1	0.1	100.7818	0.7818	7.1	O K
180 Summer	0.1	0.1	100.8543	0.8543	7.7	O K
240 Summer	0.1	0.1	100.8998	0.8998	8.1	O K
360 Summer	0.1	0.1	100.9593	0.9593	8.7	O K
480 Summer	0.1	0.1	100.9933	0.9933	9.0	O K
600 Summer	0.1	0.1	101.0118	1.0118	9.1	O K
720 Summer	0.1	0.1	101.0208	1.0208	9.2	O K
960 Summer	0.1	0.1	101.0268	1.0268	9.3	O K
1440 Summer	0.1	0.1	101.0283	1.0283	9.3	O K
2160 Summer	0.1	0.1	101.0128	1.0128	9.1	O K
2880 Summer	0.1	0.1	100.9868	0.9868	8.9	O K
4320 Summer	0.1	0.1	100.9238	0.9238	8.3	O K
5760 Summer	0.1	0.1	100.8613	0.8613	7.8	O K
7200 Summer	0.1	0.1	100.8058	0.8058	7.3	O K
8640 Summer	0.1	0.1	100.7563	0.7563	6.8	O K
10080 Summer	0.1	0.1	100.7128	0.7128	6.4	O K
15 Winter	0.0	0.0	100.4262	0.4262	3.8	O K
30 Winter	0.1	0.1	100.5697	0.5697	5.1	O K
60 Winter	0.1	0.1	100.7233	0.7233	6.5	O K
120 Winter	0.1	0.1	100.8773	0.8773	7.9	O K
180 Winter	0.1	0.1	100.9603	0.9603	8.7	O K
240 Winter	0.1	0.1	101.0118	1.0118	9.1	O K
360 Winter	0.1	0.1	101.0813	1.0813	9.8	O K
480 Winter	0.1	0.1	101.1218	1.1218	10.1	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	186
240 Summer	20.88	246
360 Summer	15.37	366
480 Summer	12.34	486
600 Summer	10.40	604
720 Summer	9.04	724
960 Summer	7.24	834
1440 Summer	5.28	1084
2160 Summer	3.85	1476
2880 Summer	3.07	1904
4320 Summer	2.23	2728
5760 Summer	1.77	3520
7200 Summer	1.48	4328
8640 Summer	1.28	5104
10080 Summer	1.14	5944
15 Winter	131.85	23
30 Winter	88.57	37
60 Winter	56.71	68
120 Winter	35.00	126
180 Winter	25.97	184
240 Winter	20.88	242
360 Winter	15.37	358
480 Winter	12.34	474

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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	101.1458	1.1458	10.3	O K
720 Winter	0.1	0.1	101.1598	1.1598	10.5	O K
960 Winter	0.1	0.1	101.1678	1.1678	10.5	O K
1440 Winter	0.1	0.1	101.1623	1.1623	10.5	O K
2160 Winter	0.1	0.1	101.1358	1.1358	10.2	O K
2880 Winter	0.1	0.1	101.0943	1.0943	9.9	O K
4320 Winter	0.1	0.1	101.0013	1.0013	9.0	O K
5760 Winter	0.1	0.1	100.9128	0.9128	8.2	O K
7200 Winter	0.1	0.1	100.8353	0.8353	7.5	O K
8640 Winter	0.1	0.1	100.7678	0.7678	6.9	O K
10080 Winter	0.1	0.1	100.7093	0.7093	6.4	O K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
600 Winter	10.40	586
720 Winter	9.04	696
960 Winter	7.24	906
1440 Winter	5.28	1128
2160 Winter	3.85	1584
2880 Winter	3.07	2048
4320 Winter	2.23	2940
5760 Winter	1.77	3752
7200 Winter	1.48	4608
8640 Winter	1.28	5440
10080 Winter	1.14	6248

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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) = 0.014

Time (mins)	Area (ha)	Time (mins)	Area (ha)
from:	to:	from:	to:
0	4	0.000	0.014

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Trench Soakaway Details

Infil Coef - Base (m/hr)	0.009000	Length (m)	19.0
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)	0.5		