



**Mayflower Way
Angmering**

***Micro Drainage Calculations
For
Soakaways and Permeable Paved Areas***

Prepared by:
Kazys Narbutas Consulting Limited

Unit 5B Tanners Court,
Tanners Lane, East Wellow,
Romsey. SO51 6DP

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Appendix A
Domestic Soakaway Calculations

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway Sol	
Date March 2021 File Sol 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 935 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	8.1777	0.3777	0.8	0 K
30 Summer	0.0	0.0	8.2962	0.4962	1.0	0 K
60 Summer	0.0	0.0	8.4238	0.6238	1.2	0 K
120 Summer	0.0	0.0	8.5568	0.7568	1.5	0 K
180 Summer	0.0	0.0	8.6333	0.8333	1.7	0 K
240 Summer	0.0	0.0	8.6843	0.8843	1.8	0 K
360 Summer	0.0	0.0	8.7478	0.9478	1.9	0 K
480 Summer	0.0	0.0	8.7828	0.9828	2.0	0 K
600 Summer	0.0	0.0	8.8023	1.0023	2.0	0 K
720 Summer	0.0	0.0	8.8173	1.0173	2.0	0 K
960 Summer	0.0	0.0	8.8398	1.0398	2.1	0 K
1440 Summer	0.0	0.0	8.8633	1.0633	2.1	0 K
2160 Summer	0.0	0.0	8.8673	1.0673	2.1	0 K
2880 Summer	0.0	0.0	8.8538	1.0538	2.1	0 K
4320 Summer	0.0	0.0	8.8068	1.0068	2.0	0 K
5760 Summer	0.0	0.0	8.7543	0.9543	1.9	0 K
7200 Summer	0.0	0.0	8.7043	0.9043	1.8	0 K
15 Winter	0.0	0.0	8.1777	0.3777	0.8	0 K
30 Winter	0.0	0.0	8.2962	0.4962	1.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	126
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	484
600 Summer	6.19	574
720 Summer	5.42	618
960 Summer	4.39	738
1440 Summer	3.26	1000
2160 Summer	2.41	1408
2880 Summer	1.95	1820
4320 Summer	1.45	2640
5760 Summer	1.17	3408
7200 Summer	0.99	4184
15 Winter	76.07	23
30 Winter	50.24	37

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway Sol	
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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.4238	0.6238	1.2	0 K
120 Winter	0.0	0.0	8.5573	0.7573	1.5	0 K
180 Winter	0.0	0.0	8.6348	0.8348	1.7	0 K
240 Winter	0.0	0.0	8.6863	0.8863	1.8	0 K
360 Winter	0.0	0.0	8.7513	0.9513	1.9	0 K
480 Winter	0.0	0.0	8.7893	0.9893	2.0	0 K
600 Winter	0.0	0.0	8.8108	1.0108	2.0	0 K
720 Winter	0.0	0.0	8.8233	1.0233	2.0	0 K
960 Winter	0.0	0.0	8.8403	1.0403	2.1	0 K
1440 Winter	0.0	0.0	8.8538	1.0538	2.1	0 K
2160 Winter	0.0	0.0	8.8383	1.0383	2.1	0 K
2880 Winter	0.0	0.0	8.8068	1.0068	2.0	0 K
4320 Winter	0.0	0.0	8.7323	0.9323	1.9	0 K
5760 Winter	0.0	0.0	8.6608	0.8608	1.7	0 K
7200 Winter	0.0	0.0	8.5978	0.7978	1.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	66
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	356
480 Winter	7.28	468
600 Winter	6.19	576
720 Winter	5.42	674
960 Winter	4.39	758
1440 Winter	3.26	1068
2160 Winter	2.41	1516
2880 Winter	1.95	1960
4320 Winter	1.45	2776
5760 Winter	1.17	3584
7200 Winter	0.99	4392

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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.004

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.004

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Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	5.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.800
Safety Factor	2.0	Cover Level (m)	9.270
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0	Cap Volume (m)	9.270

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Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 928 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	8.4178	0.6178	1.2	0 K
30 Summer	0.0	0.0	8.6268	0.8268	1.7	0 K
60 Summer	0.0	0.0	8.8513	1.0513	2.1	0 K
120 Summer	0.0	0.0	9.0767	1.2767	2.6	0 K
180 Summer	0.0	0.0	9.1977	1.3977	2.8	0 K
240 Summer	0.0	0.0	9.2707	1.4707	2.9	0 K
360 Summer	0.0	0.0	9.3552	1.5552	3.1	0 K
480 Summer	0.0	0.0	9.3987	1.5987	3.2	0 K
600 Summer	0.0	0.0	9.4187	1.6187	3.2	0 K
720 Summer	0.0	0.0	9.4327	1.6327	3.3	0 K
960 Summer	0.0	0.0	9.4517	1.6517	3.3	0 K
1440 Summer	0.0	0.0	9.4632	1.6632	3.3	0 K
2160 Summer	0.0	0.0	9.4407	1.6407	3.3	0 K
2880 Summer	0.0	0.0	9.3987	1.5987	3.2	0 K
4320 Summer	0.0	0.0	9.2977	1.4977	3.0	0 K
5760 Summer	0.0	0.0	9.1992	1.3992	2.8	0 K
7200 Summer	0.0	0.0	9.1102	1.3102	2.6	0 K
15 Winter	0.0	0.0	8.4178	0.6178	1.2	0 K
30 Winter	0.0	0.0	8.6268	0.8268	1.7	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	126
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	484
600 Summer	9.99	574
720 Summer	8.69	618
960 Summer	6.97	738
1440 Summer	5.09	1000
2160 Summer	3.71	1408
2880 Summer	2.96	1820
4320 Summer	2.15	2640
5760 Summer	1.71	3408
7200 Summer	1.43	4184
15 Winter	124.38	23
30 Winter	83.70	37

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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
60 Winter	0.0	0.0	8.8513	1.0513	2.1	0 K
120 Winter	0.0	0.0	9.0782	1.2782	2.6	0 K
180 Winter	0.0	0.0	9.1997	1.3997	2.8	0 K
240 Winter	0.0	0.0	9.2737	1.4737	2.9	0 K
360 Winter	0.0	0.0	9.3617	1.5617	3.1	0 K
480 Winter	0.0	0.0	9.4092	1.6092	3.2	0 K
600 Winter	0.0	0.0	9.4327	1.6327	3.3	0 K
720 Winter	0.0	0.0	9.4422	1.6422	3.3	0 K
960 Winter	0.0	0.0	9.4522	1.6522	3.3	0 K
1440 Winter	0.0	0.0	9.4477	1.6477	3.3	0 K
2160 Winter	0.0	0.0	9.3962	1.5962	3.2	0 K
2880 Winter	0.0	0.0	9.3277	1.5277	3.1	0 K
4320 Winter	0.0	0.0	9.1872	1.3872	2.8	0 K
5760 Winter	0.0	0.0	9.0628	1.2628	2.5	0 K
7200 Winter	0.0	0.0	8.9558	1.1558	2.3	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	66
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	356
480 Winter	11.85	468
600 Winter	9.99	576
720 Winter	8.69	674
960 Winter	6.97	758
1440 Winter	5.09	1068
2160 Winter	3.71	1516
2880 Winter	2.96	1960
4320 Winter	2.15	2776
5760 Winter	1.71	3584
7200 Winter	1.43	4392

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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.004

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.004

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Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	5.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.800
Safety Factor	2.0	Cover Level (m)	9.500
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0	Cap Volume (m)	9.500

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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 1349 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	0.0	0.0	8.0682	0.3682	1.3	0 K
30 Summer	0.0	0.0	8.1842	0.4842	1.7	0 K
60 Summer	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Summer	0.0	0.0	8.4458	0.7458	2.7	0 K
180 Summer	0.0	0.0	8.5263	0.8263	3.0	0 K
240 Summer	0.0	0.0	8.5823	0.8823	3.2	0 K
360 Summer	0.0	0.0	8.6578	0.9578	3.4	0 K
480 Summer	0.0	0.0	8.7058	1.0058	3.6	0 K
600 Summer	0.0	0.0	8.7373	1.0373	3.7	0 K
720 Summer	0.0	0.0	8.7583	1.0583	3.8	0 K
960 Summer	0.0	0.0	8.7833	1.0833	3.9	0 K
1440 Summer	0.0	0.0	8.8168	1.1168	4.0	0 K
2160 Summer	0.0	0.0	8.8393	1.1393	4.1	0 K
2880 Summer	0.0	0.0	8.8428	1.1428	4.1	0 K
4320 Summer	0.0	0.0	8.8228	1.1228	4.0	0 K
5760 Summer	0.0	0.0	8.7878	1.0878	3.9	0 K
7200 Summer	0.0	0.0	8.7488	1.0488	3.8	0 K
15 Winter	0.0	0.0	8.0682	0.3682	1.3	0 K
30 Winter	0.0	0.0	8.1842	0.4842	1.7	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	128
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	486
600 Summer	6.19	604
720 Summer	5.42	724
960 Summer	4.39	844
1440 Summer	3.26	1086
2160 Summer	2.41	1476
2880 Summer	1.95	1904
4320 Summer	1.45	2724
5760 Summer	1.17	3520
7200 Summer	0.99	4320
15 Winter	76.07	23
30 Winter	50.24	38

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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Winter	0.0	0.0	8.4463	0.7463	2.7	0 K
180 Winter	0.0	0.0	8.5273	0.8273	3.0	0 K
240 Winter	0.0	0.0	8.5838	0.8838	3.2	0 K
360 Winter	0.0	0.0	8.6598	0.9598	3.5	0 K
480 Winter	0.0	0.0	8.7093	1.0093	3.6	0 K
600 Winter	0.0	0.0	8.7428	1.0428	3.8	0 K
720 Winter	0.0	0.0	8.7658	1.0658	3.8	0 K
960 Winter	0.0	0.0	8.7918	1.0918	3.9	0 K
1440 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
2160 Winter	0.0	0.0	8.8273	1.1273	4.1	0 K
2880 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
4320 Winter	0.0	0.0	8.7698	1.0698	3.9	0 K
5760 Winter	0.0	0.0	8.7143	1.0143	3.7	0 K
7200 Winter	0.0	0.0	8.6588	0.9588	3.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	68
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	358
480 Winter	7.28	474
600 Winter	6.19	586
720 Winter	5.42	696
960 Winter	4.39	908
1440 Winter	3.26	1128
2160 Winter	2.41	1584
2880 Winter	1.95	2048
4320 Winter	1.45	2904
5760 Winter	1.17	3752
7200 Winter	0.99	4544

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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (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)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.240
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 1356 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	8.3018	0.6018	2.2	0 K
30 Summer	0.0	0.0	8.5068	0.8068	2.9	0 K
60 Summer	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Summer	0.0	0.0	8.9583	1.2583	4.5	0 K
180 Summer	0.0	0.0	9.0857	1.3857	5.0	0 K
240 Summer	0.0	0.0	9.1672	1.4672	5.3	0 K
360 Summer	0.0	0.0	9.2722	1.5722	5.7	0 K
480 Summer	0.0	0.0	9.3362	1.6362	5.9	0 K
600 Summer	0.1	0.1	9.3757	1.6757	6.0	0 K
720 Summer	0.1	0.1	9.3987	1.6987	6.1	0 K
960 Summer	0.1	0.1	9.4207	1.7207	6.2	0 K
1440 Summer	0.1	0.1	9.4462	1.7462	6.3	0 K
2160 Summer	0.1	0.1	9.4517	1.7517	6.3	0 K
2880 Summer	0.1	0.1	9.4342	1.7342	6.2	0 K
4320 Summer	0.0	0.0	9.3707	1.6707	6.0	0 K
5760 Summer	0.0	0.0	9.2952	1.5952	5.7	0 K
7200 Summer	0.0	0.0	9.2197	1.5197	5.5	0 K
15 Winter	0.0	0.0	8.3018	0.6018	2.2	0 K
30 Winter	0.0	0.0	8.5068	0.8068	2.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	128
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	486
600 Summer	9.99	604
720 Summer	8.69	724
960 Summer	6.97	844
1440 Summer	5.09	1086
2160 Summer	3.71	1476
2880 Summer	2.96	1904
4320 Summer	2.15	2724
5760 Summer	1.71	3520
7200 Summer	1.43	4320
15 Winter	124.38	23
30 Winter	83.70	38

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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
60 Winter	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Winter	0.0	0.0	8.9593	1.2593	4.5	0 K
180 Winter	0.0	0.0	9.0872	1.3872	5.0	0 K
240 Winter	0.0	0.0	9.1692	1.4692	5.3	0 K
360 Winter	0.0	0.0	9.2757	1.5757	5.7	0 K
480 Winter	0.0	0.0	9.3417	1.6417	5.9	0 K
600 Winter	0.1	0.1	9.3837	1.6837	6.1	0 K
720 Winter	0.1	0.1	9.4102	1.7102	6.2	0 K
960 Winter	0.1	0.1	9.4342	1.7342	6.2	0 K
1440 Winter	0.1	0.1	9.4457	1.7457	6.3	0 K
2160 Winter	0.1	0.1	9.4332	1.7332	6.2	0 K
2880 Winter	0.1	0.1	9.3937	1.6937	6.1	0 K
4320 Winter	0.0	0.0	9.2917	1.5917	5.7	0 K
5760 Winter	0.0	0.0	9.1867	1.4867	5.4	0 K
7200 Winter	0.0	0.0	9.0892	1.3892	5.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	68
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	358
480 Winter	11.85	474
600 Winter	9.99	586
720 Winter	8.69	696
960 Winter	6.97	908
1440 Winter	5.09	1128
2160 Winter	3.71	1584
2880 Winter	2.96	2048
4320 Winter	2.15	2904
5760 Winter	1.71	3752
7200 Winter	1.43	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So2	
Date March 2021 File So2 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

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

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So2	
Date March 2021 File So2 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.500
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5	Cap Volume (m)	9.500

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 1349 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	0.0	0.0	8.0682	0.3682	1.3	0 K
30 Summer	0.0	0.0	8.1842	0.4842	1.7	0 K
60 Summer	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Summer	0.0	0.0	8.4458	0.7458	2.7	0 K
180 Summer	0.0	0.0	8.5263	0.8263	3.0	0 K
240 Summer	0.0	0.0	8.5823	0.8823	3.2	0 K
360 Summer	0.0	0.0	8.6578	0.9578	3.4	0 K
480 Summer	0.0	0.0	8.7058	1.0058	3.6	0 K
600 Summer	0.0	0.0	8.7373	1.0373	3.7	0 K
720 Summer	0.0	0.0	8.7583	1.0583	3.8	0 K
960 Summer	0.0	0.0	8.7833	1.0833	3.9	0 K
1440 Summer	0.0	0.0	8.8168	1.1168	4.0	0 K
2160 Summer	0.0	0.0	8.8393	1.1393	4.1	0 K
2880 Summer	0.0	0.0	8.8428	1.1428	4.1	0 K
4320 Summer	0.0	0.0	8.8228	1.1228	4.0	0 K
5760 Summer	0.0	0.0	8.7878	1.0878	3.9	0 K
7200 Summer	0.0	0.0	8.7488	1.0488	3.8	0 K
15 Winter	0.0	0.0	8.0682	0.3682	1.3	0 K
30 Winter	0.0	0.0	8.1842	0.4842	1.7	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	128
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	486
600 Summer	6.19	604
720 Summer	5.42	724
960 Summer	4.39	844
1440 Summer	3.26	1086
2160 Summer	2.41	1476
2880 Summer	1.95	1904
4320 Summer	1.45	2724
5760 Summer	1.17	3520
7200 Summer	0.99	4320
15 Winter	76.07	23
30 Winter	50.24	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Winter	0.0	0.0	8.4463	0.7463	2.7	0 K
180 Winter	0.0	0.0	8.5273	0.8273	3.0	0 K
240 Winter	0.0	0.0	8.5838	0.8838	3.2	0 K
360 Winter	0.0	0.0	8.6598	0.9598	3.5	0 K
480 Winter	0.0	0.0	8.7093	1.0093	3.6	0 K
600 Winter	0.0	0.0	8.7428	1.0428	3.8	0 K
720 Winter	0.0	0.0	8.7658	1.0658	3.8	0 K
960 Winter	0.0	0.0	8.7918	1.0918	3.9	0 K
1440 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
2160 Winter	0.0	0.0	8.8273	1.1273	4.1	0 K
2880 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
4320 Winter	0.0	0.0	8.7698	1.0698	3.9	0 K
5760 Winter	0.0	0.0	8.7143	1.0143	3.7	0 K
7200 Winter	0.0	0.0	8.6588	0.9588	3.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	68
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	358
480 Winter	7.28	474
600 Winter	6.19	586
720 Winter	5.42	696
960 Winter	4.39	908
1440 Winter	3.26	1128
2160 Winter	2.41	1584
2880 Winter	1.95	2048
4320 Winter	1.45	2904
5760 Winter	1.17	3752
7200 Winter	0.99	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

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

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.270
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 1356 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	0.0	0.0	8.3018	0.6018	2.2	0 K
30 Summer	0.0	0.0	8.5068	0.8068	2.9	0 K
60 Summer	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Summer	0.0	0.0	8.9583	1.2583	4.5	0 K
180 Summer	0.0	0.0	9.0857	1.3857	5.0	0 K
240 Summer	0.0	0.0	9.1672	1.4672	5.3	0 K
360 Summer	0.0	0.0	9.2722	1.5722	5.7	0 K
480 Summer	0.0	0.0	9.3362	1.6362	5.9	0 K
600 Summer	0.1	0.1	9.3757	1.6757	6.0	0 K
720 Summer	0.1	0.1	9.3987	1.6987	6.1	0 K
960 Summer	0.1	0.1	9.4207	1.7207	6.2	0 K
1440 Summer	0.1	0.1	9.4462	1.7462	6.3	0 K
2160 Summer	0.1	0.1	9.4517	1.7517	6.3	0 K
2880 Summer	0.1	0.1	9.4342	1.7342	6.2	0 K
4320 Summer	0.0	0.0	9.3707	1.6707	6.0	0 K
5760 Summer	0.0	0.0	9.2952	1.5952	5.7	0 K
7200 Summer	0.0	0.0	9.2197	1.5197	5.5	0 K
15 Winter	0.0	0.0	8.3018	0.6018	2.2	0 K
30 Winter	0.0	0.0	8.5068	0.8068	2.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	128
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	486
600 Summer	9.99	604
720 Summer	8.69	724
960 Summer	6.97	844
1440 Summer	5.09	1086
2160 Summer	3.71	1476
2880 Summer	2.96	1904
4320 Summer	2.15	2724
5760 Summer	1.71	3520
7200 Summer	1.43	4320
15 Winter	124.38	23
30 Winter	83.70	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Winter	0.0	0.0	8.9592	1.2593	4.5	0 K
180 Winter	0.0	0.0	9.0872	1.3872	5.0	0 K
240 Winter	0.0	0.0	9.1692	1.4692	5.3	0 K
360 Winter	0.0	0.0	9.2757	1.5757	5.7	0 K
480 Winter	0.0	0.0	9.3417	1.6417	5.9	0 K
600 Winter	0.1	0.1	9.3837	1.6837	6.1	0 K
720 Winter	0.1	0.1	9.4102	1.7102	6.2	0 K
960 Winter	0.1	0.1	9.4342	1.7342	6.2	0 K
1440 Winter	0.1	0.1	9.4457	1.7457	6.3	0 K
2160 Winter	0.1	0.1	9.4332	1.7332	6.2	0 K
2880 Winter	0.1	0.1	9.3937	1.6937	6.1	0 K
4320 Winter	0.0	0.0	9.2917	1.5917	5.7	0 K
5760 Winter	0.0	0.0	9.1867	1.4867	5.4	0 K
7200 Winter	0.0	0.0	9.0892	1.3892	5.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	68
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	358
480 Winter	11.85	474
600 Winter	9.99	586
720 Winter	8.69	696
960 Winter	6.97	908
1440 Winter	5.09	1128
2160 Winter	3.71	1584
2880 Winter	2.96	2048
4320 Winter	2.15	2904
5760 Winter	1.71	3752
7200 Winter	1.43	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

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

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So3	
Date March 2021 File So3 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.500
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5	Cap Volume (m)	9.500

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 1349 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	8.0682	0.3682	1.3	0 K
30 Summer	0.0	0.0	8.1842	0.4842	1.7	0 K
60 Summer	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Summer	0.0	0.0	8.4458	0.7458	2.7	0 K
180 Summer	0.0	0.0	8.5263	0.8263	3.0	0 K
240 Summer	0.0	0.0	8.5823	0.8823	3.2	0 K
360 Summer	0.0	0.0	8.6578	0.9578	3.4	0 K
480 Summer	0.0	0.0	8.7058	1.0058	3.6	0 K
600 Summer	0.0	0.0	8.7373	1.0373	3.7	0 K
720 Summer	0.0	0.0	8.7583	1.0583	3.8	0 K
960 Summer	0.0	0.0	8.7833	1.0833	3.9	0 K
1440 Summer	0.0	0.0	8.8168	1.1168	4.0	0 K
2160 Summer	0.0	0.0	8.8393	1.1393	4.1	0 K
2880 Summer	0.0	0.0	8.8428	1.1428	4.1	0 K
4320 Summer	0.0	0.0	8.8228	1.1228	4.0	0 K
5760 Summer	0.0	0.0	8.7878	1.0878	3.9	0 K
7200 Summer	0.0	0.0	8.7488	1.0488	3.8	0 K
15 Winter	0.0	0.0	8.0682	0.3682	1.3	0 K
30 Winter	0.0	0.0	8.1842	0.4842	1.7	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	128
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	486
600 Summer	6.19	604
720 Summer	5.42	724
960 Summer	4.39	844
1440 Summer	3.26	1086
2160 Summer	2.41	1476
2880 Summer	1.95	1904
4320 Summer	1.45	2724
5760 Summer	1.17	3520
7200 Summer	0.99	4320
15 Winter	76.07	23
30 Winter	50.24	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.3108	0.6108	2.2	0 K
120 Winter	0.0	0.0	8.4463	0.7463	2.7	0 K
180 Winter	0.0	0.0	8.5273	0.8273	3.0	0 K
240 Winter	0.0	0.0	8.5838	0.8838	3.2	0 K
360 Winter	0.0	0.0	8.6598	0.9598	3.5	0 K
480 Winter	0.0	0.0	8.7093	1.0093	3.6	0 K
600 Winter	0.0	0.0	8.7428	1.0428	3.8	0 K
720 Winter	0.0	0.0	8.7658	1.0658	3.8	0 K
960 Winter	0.0	0.0	8.7918	1.0918	3.9	0 K
1440 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
2160 Winter	0.0	0.0	8.8273	1.1273	4.1	0 K
2880 Winter	0.0	0.0	8.8163	1.1163	4.0	0 K
4320 Winter	0.0	0.0	8.7698	1.0698	3.9	0 K
5760 Winter	0.0	0.0	8.7143	1.0143	3.7	0 K
7200 Winter	0.0	0.0	8.6588	0.9588	3.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	68
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	358
480 Winter	7.28	474
600 Winter	6.19	586
720 Winter	5.42	696
960 Winter	4.39	908
1440 Winter	3.26	1128
2160 Winter	2.41	1584
2880 Winter	1.95	2048
4320 Winter	1.45	2904
5760 Winter	1.17	3752
7200 Winter	0.99	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

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

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.250
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 1356 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	8.3018	0.6018	2.2	0 K
30 Summer	0.0	0.0	8.5068	0.8068	2.9	0 K
60 Summer	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Summer	0.0	0.0	8.9583	1.2583	4.5	0 K
180 Summer	0.0	0.0	9.0857	1.3857	5.0	0 K
240 Summer	0.0	0.0	9.1672	1.4672	5.3	0 K
360 Summer	0.0	0.0	9.2722	1.5722	5.7	0 K
480 Summer	0.0	0.0	9.3362	1.6362	5.9	0 K
600 Summer	0.1	0.1	9.3757	1.6757	6.0	0 K
720 Summer	0.1	0.1	9.3987	1.6987	6.1	0 K
960 Summer	0.1	0.1	9.4207	1.7207	6.2	0 K
1440 Summer	0.1	0.1	9.4462	1.7462	6.3	0 K
2160 Summer	0.1	0.1	9.4517	1.7517	6.3	0 K
2880 Summer	0.1	0.1	9.4342	1.7342	6.2	0 K
4320 Summer	0.0	0.0	9.3707	1.6707	6.0	0 K
5760 Summer	0.0	0.0	9.2952	1.5952	5.7	0 K
7200 Summer	0.0	0.0	9.2197	1.5197	5.5	0 K
15 Winter	0.0	0.0	8.3018	0.6018	2.2	0 K
30 Winter	0.0	0.0	8.5068	0.8068	2.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	128
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	486
600 Summer	9.99	604
720 Summer	8.69	724
960 Summer	6.97	844
1440 Summer	5.09	1086
2160 Summer	3.71	1476
2880 Summer	2.96	1904
4320 Summer	2.15	2724
5760 Summer	1.71	3520
7200 Summer	1.43	4320
15 Winter	124.38	23
30 Winter	83.70	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.0	0.0	8.7293	1.0293	3.7	0 K
120 Winter	0.0	0.0	8.9593	1.2593	4.5	0 K
180 Winter	0.0	0.0	9.0872	1.3872	5.0	0 K
240 Winter	0.0	0.0	9.1692	1.4692	5.3	0 K
360 Winter	0.0	0.0	9.2757	1.5757	5.7	0 K
480 Winter	0.0	0.0	9.3417	1.6417	5.9	0 K
600 Winter	0.1	0.1	9.3837	1.6837	6.1	0 K
720 Winter	0.1	0.1	9.4102	1.7102	6.2	0 K
960 Winter	0.1	0.1	9.4342	1.7342	6.2	0 K
1440 Winter	0.1	0.1	9.4457	1.7457	6.3	0 K
2160 Winter	0.1	0.1	9.4332	1.7332	6.2	0 K
2880 Winter	0.1	0.1	9.3937	1.6937	6.1	0 K
4320 Winter	0.0	0.0	9.2917	1.5917	5.7	0 K
5760 Winter	0.0	0.0	9.1867	1.4867	5.4	0 K
7200 Winter	0.0	0.0	9.0892	1.3892	5.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	68
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	358
480 Winter	11.85	474
600 Winter	9.99	586
720 Winter	8.69	696
960 Winter	6.97	908
1440 Winter	5.09	1128
2160 Winter	3.71	1584
2880 Winter	2.96	2048
4320 Winter	2.15	2904
5760 Winter	1.71	3752
7200 Winter	1.43	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.007

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

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So4	
Date March 2021 File So4 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.700
Safety Factor	2.0	Cover Level (m)	9.500
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5	Cap Volume (m)	9.500

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 935 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	0.0	0.0	8.2777	0.3777	0.8	0 K
30 Summer	0.0	0.0	8.3962	0.4962	1.0	0 K
60 Summer	0.0	0.0	8.5238	0.6238	1.2	0 K
120 Summer	0.0	0.0	8.6568	0.7568	1.5	0 K
180 Summer	0.0	0.0	8.7333	0.8333	1.7	0 K
240 Summer	0.0	0.0	8.7843	0.8843	1.8	0 K
360 Summer	0.0	0.0	8.8478	0.9478	1.9	0 K
480 Summer	0.0	0.0	8.8828	0.9828	2.0	0 K
600 Summer	0.0	0.0	8.9023	1.0023	2.0	0 K
720 Summer	0.0	0.0	8.9173	1.0173	2.0	0 K
960 Summer	0.0	0.0	8.9398	1.0398	2.1	0 K
1440 Summer	0.0	0.0	8.9633	1.0633	2.1	0 K
2160 Summer	0.0	0.0	8.9673	1.0673	2.1	0 K
2880 Summer	0.0	0.0	8.9538	1.0538	2.1	0 K
4320 Summer	0.0	0.0	8.9068	1.0068	2.0	0 K
5760 Summer	0.0	0.0	8.8543	0.9543	1.9	0 K
7200 Summer	0.0	0.0	8.8043	0.9043	1.8	0 K
15 Winter	0.0	0.0	8.2777	0.3777	0.8	0 K
30 Winter	0.0	0.0	8.3962	0.4962	1.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	126
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	484
600 Summer	6.19	574
720 Summer	5.42	618
960 Summer	4.39	738
1440 Summer	3.26	1000
2160 Summer	2.41	1408
2880 Summer	1.95	1820
4320 Summer	1.45	2640
5760 Summer	1.17	3408
7200 Summer	0.99	4184
15 Winter	76.07	23
30 Winter	50.24	37

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.5238	0.6238	1.2	0 K
120 Winter	0.0	0.0	8.6573	0.7573	1.5	0 K
180 Winter	0.0	0.0	8.7348	0.8348	1.7	0 K
240 Winter	0.0	0.0	8.7863	0.8863	1.8	0 K
360 Winter	0.0	0.0	8.8513	0.9513	1.9	0 K
480 Winter	0.0	0.0	8.8893	0.9893	2.0	0 K
600 Winter	0.0	0.0	8.9108	1.0108	2.0	0 K
720 Winter	0.0	0.0	8.9233	1.0233	2.0	0 K
960 Winter	0.0	0.0	8.9403	1.0403	2.1	0 K
1440 Winter	0.0	0.0	8.9538	1.0538	2.1	0 K
2160 Winter	0.0	0.0	8.9383	1.0383	2.1	0 K
2880 Winter	0.0	0.0	8.9068	1.0068	2.0	0 K
4320 Winter	0.0	0.0	8.8323	0.9323	1.9	0 K
5760 Winter	0.0	0.0	8.7608	0.8608	1.7	0 K
7200 Winter	0.0	0.0	8.6978	0.7978	1.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	66
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	356
480 Winter	7.28	468
600 Winter	6.19	576
720 Winter	5.42	674
960 Winter	4.39	758
1440 Winter	3.26	1068
2160 Winter	2.41	1516
2880 Winter	1.95	1960
4320 Winter	1.45	2776
5760 Winter	1.17	3584
7200 Winter	0.99	4392

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.004

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.004

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	5.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.900
Safety Factor	2.0	Cover Level (m)	9.570
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
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Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 957 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	0.0	0.0	8.5178	0.6178	1.2	0 K
30 Summer	0.0	0.0	8.7268	0.8268	1.7	0 K
60 Summer	0.0	0.0	8.9513	1.0513	2.1	0 K
120 Summer	0.0	0.0	9.1767	1.2767	2.6	0 K
180 Summer	0.0	0.0	9.2977	1.3977	2.8	0 K
240 Summer	0.0	0.0	9.3707	1.4707	2.9	0 K
360 Summer	0.0	0.0	9.4552	1.5552	3.1	0 K
480 Summer	0.0	0.0	9.4987	1.5987	3.2	0 K
600 Summer	0.0	0.0	9.5387	1.6387	3.2	0 K
720 Summer	0.0	0.0	9.5692	1.6692	3.3	0 K
960 Summer	0.0	0.0	9.6102	1.7102	3.3	0 K
1440 Summer	0.0	0.0	9.6337	1.7337	3.3	0 K
2160 Summer	0.0	0.0	9.5862	1.6862	3.3	0 K
2880 Summer	0.0	0.0	9.4987	1.5987	3.2	0 K
4320 Summer	0.0	0.0	9.3977	1.4977	3.0	0 K
5760 Summer	0.0	0.0	9.2992	1.3992	2.8	0 K
7200 Summer	0.0	0.0	9.2102	1.3102	2.6	0 K
15 Winter	0.0	0.0	8.5178	0.6178	1.2	0 K
30 Winter	0.0	0.0	8.7268	0.8268	1.7	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	126
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	484
600 Summer	9.99	576
720 Summer	8.69	624
960 Summer	6.97	746
1440 Summer	5.09	1012
2160 Summer	3.71	1412
2880 Summer	2.96	1820
4320 Summer	2.15	2640
5760 Summer	1.71	3408
7200 Summer	1.43	4184
15 Winter	124.38	23
30 Winter	83.70	37

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.0	0.0	8.9513	1.0513	2.1	0 K
120 Winter	0.0	0.0	9.1782	1.2782	2.6	0 K
180 Winter	0.0	0.0	9.2997	1.3997	2.8	0 K
240 Winter	0.0	0.0	9.3737	1.4737	2.9	0 K
360 Winter	0.0	0.0	9.4617	1.5617	3.1	0 K
480 Winter	0.0	0.0	9.5182	1.6182	3.2	0 K
600 Winter	0.0	0.0	9.5687	1.6687	3.3	0 K
720 Winter	0.0	0.0	9.5912	1.6912	3.3	0 K
960 Winter	0.0	0.0	9.6097	1.7097	3.3	0 K
1440 Winter	0.0	0.0	9.6007	1.7007	3.3	0 K
2160 Winter	0.0	0.0	9.4962	1.5962	3.2	0 K
2880 Winter	0.0	0.0	9.4277	1.5277	3.1	0 K
4320 Winter	0.0	0.0	9.2872	1.3872	2.8	0 K
5760 Winter	0.0	0.0	9.1628	1.2628	2.5	0 K
7200 Winter	0.0	0.0	9.0558	1.1558	2.3	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	66
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	356
480 Winter	11.85	468
600 Winter	9.99	576
720 Winter	8.69	678
960 Winter	6.97	766
1440 Winter	5.09	1072
2160 Winter	3.71	1516
2880 Winter	2.96	1960
4320 Winter	2.15	2776
5760 Winter	1.71	3584
7200 Winter	1.43	4392

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
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Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.004

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.004

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So5	
Date March 2021 File So5 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	5.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.900
Safety Factor	2.0	Cover Level (m)	9.700
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0	Cap Volume (m)	9.500

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 965 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	8.1937	0.3937	0.9	0 K
30 Summer	0.0	0.0	8.3172	0.5172	1.2	0 K
60 Summer	0.0	0.0	8.4503	0.6503	1.6	0 K
120 Summer	0.0	0.0	8.5893	0.7893	1.9	0 K
180 Summer	0.0	0.0	8.6698	0.8698	2.1	0 K
240 Summer	0.0	0.0	8.7233	0.9233	2.2	0 K
360 Summer	0.0	0.0	8.7908	0.9908	2.4	0 K
480 Summer	0.0	0.0	8.8283	1.0283	2.5	0 K
600 Summer	0.0	0.0	8.8493	1.0493	2.5	0 K
720 Summer	0.0	0.0	8.8653	1.0653	2.6	0 K
960 Summer	0.0	0.0	8.8893	1.0893	2.6	0 K
1440 Summer	0.0	0.0	8.9148	1.1148	2.7	0 K
2160 Summer	0.0	0.0	8.9208	1.1208	2.7	0 K
2880 Summer	0.0	0.0	8.9078	1.1078	2.7	0 K
4320 Summer	0.0	0.0	8.8608	1.0608	2.5	0 K
5760 Summer	0.0	0.0	8.8073	1.0073	2.4	0 K
7200 Summer	0.0	0.0	8.7558	0.9558	2.3	0 K
15 Winter	0.0	0.0	8.1937	0.3937	0.9	0 K
30 Winter	0.0	0.0	8.3172	0.5172	1.2	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	128
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	484
600 Summer	6.19	578
720 Summer	5.42	624
960 Summer	4.39	746
1440 Summer	3.26	1000
2160 Summer	2.41	1412
2880 Summer	1.95	1820
4320 Summer	1.45	2640
5760 Summer	1.17	3408
7200 Summer	0.99	4184
15 Winter	76.07	23
30 Winter	50.24	37

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.4503	0.6503	1.6	0 K
120 Winter	0.0	0.0	8.5898	0.7898	1.9	0 K
180 Winter	0.0	0.0	8.6713	0.8713	2.1	0 K
240 Winter	0.0	0.0	8.7253	0.9253	2.2	0 K
360 Winter	0.0	0.0	8.7943	0.9943	2.4	0 K
480 Winter	0.0	0.0	8.8348	1.0348	2.5	0 K
600 Winter	0.0	0.0	8.8588	1.0588	2.5	0 K
720 Winter	0.0	0.0	8.8723	1.0723	2.6	0 K
960 Winter	0.0	0.0	8.8898	1.0898	2.6	0 K
1440 Winter	0.0	0.0	8.9058	1.1058	2.7	0 K
2160 Winter	0.0	0.0	8.8918	1.0918	2.6	0 K
2880 Winter	0.0	0.0	8.8603	1.0603	2.5	0 K
4320 Winter	0.0	0.0	8.7848	0.9848	2.4	0 K
5760 Winter	0.0	0.0	8.7113	0.9113	2.2	0 K
7200 Winter	0.0	0.0	8.6458	0.8458	2.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	66
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	356
480 Winter	7.28	468
600 Winter	6.19	576
720 Winter	5.42	676
960 Winter	4.39	764
1440 Winter	3.26	1070
2160 Winter	2.41	1520
2880 Winter	1.95	1964
4320 Winter	1.45	2812
5760 Winter	1.17	3624
7200 Winter	0.99	4400

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.005

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.005

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.800
Safety Factor	2.0	Cover Level (m)	9.570
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 977 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	8.4438	0.6438	1.5	0 K
30 Summer	0.0	0.0	8.6618	0.8618	2.1	0 K
60 Summer	0.0	0.0	8.8958	1.0958	2.6	0 K
120 Summer	0.0	0.0	9.1317	1.3317	3.2	0 K
180 Summer	0.0	0.0	9.2587	1.4587	3.5	0 K
240 Summer	0.0	0.0	9.3352	1.5352	3.7	0 K
360 Summer	0.0	0.0	9.4257	1.6257	3.9	0 K
480 Summer	0.0	0.0	9.4732	1.6732	4.0	0 K
600 Summer	0.0	0.0	9.4947	1.6947	4.1	0 K
720 Summer	0.0	0.0	9.5242	1.7242	4.1	0 K
960 Summer	0.0	0.0	9.5757	1.7757	4.2	0 K
1440 Summer	0.0	0.0	9.6097	1.8097	4.2	0 K
2160 Summer	0.0	0.0	9.5567	1.7567	4.1	0 K
2880 Summer	0.0	0.0	9.4812	1.6812	4.0	0 K
4320 Summer	0.0	0.0	9.3787	1.5787	3.8	0 K
5760 Summer	0.0	0.0	9.2767	1.4767	3.5	0 K
7200 Summer	0.0	0.0	9.1847	1.3847	3.3	0 K
15 Winter	0.0	0.0	8.4438	0.6438	1.5	0 K
30 Winter	0.0	0.0	8.6618	0.8618	2.1	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	128
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	484
600 Summer	9.99	578
720 Summer	8.69	626
960 Summer	6.97	748
1440 Summer	5.09	1012
2160 Summer	3.71	1412
2880 Summer	2.96	1820
4320 Summer	2.15	2640
5760 Summer	1.71	3408
7200 Summer	1.43	4184
15 Winter	124.38	23
30 Winter	83.70	37

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.0	0.0	8.8958	1.0958	2.6	0 K
120 Winter	0.0	0.0	9.1332	1.3332	3.2	0 K
180 Winter	0.0	0.0	9.2607	1.4607	3.5	0 K
240 Winter	0.0	0.0	9.3387	1.5387	3.7	0 K
360 Winter	0.0	0.0	9.4322	1.6322	3.9	0 K
480 Winter	0.0	0.0	9.4832	1.6832	4.0	0 K
600 Winter	0.0	0.0	9.5237	1.7237	4.1	0 K
720 Winter	0.0	0.0	9.5532	1.7532	4.1	0 K
960 Winter	0.0	0.0	9.5777	1.7777	4.2	0 K
1440 Winter	0.0	0.0	9.5727	1.7727	4.2	0 K
2160 Winter	0.0	0.0	9.4787	1.6787	4.0	0 K
2880 Winter	0.0	0.0	9.4092	1.6092	3.9	0 K
4320 Winter	0.0	0.0	9.2657	1.4657	3.5	0 K
5760 Winter	0.0	0.0	9.1362	1.3362	3.2	0 K
7200 Winter	0.0	0.0	9.0253	1.2253	2.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	66
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	356
480 Winter	11.85	468
600 Winter	9.99	576
720 Winter	8.69	678
960 Winter	6.97	766
1440 Winter	5.09	1072
2160 Winter	3.71	1520
2880 Winter	2.96	1964
4320 Winter	2.15	2812
5760 Winter	1.71	3624
7200 Winter	1.43	4400

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.005

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.005

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So6	
Date March 2021 File So6 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	7.800
Safety Factor	2.0	Cover Level (m)	9.700
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0	Cap Volume (m)	9.500

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 1349 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	0.0	0.0	8.4152	0.3152	1.1	0 K
30 Summer	0.0	0.0	8.5152	0.4152	1.5	0 K
60 Summer	0.0	0.0	8.6232	0.5232	1.9	0 K
120 Summer	0.0	0.0	8.7393	0.6393	2.3	0 K
180 Summer	0.0	0.0	8.8083	0.7083	2.5	0 K
240 Summer	0.0	0.0	8.8563	0.7563	2.7	0 K
360 Summer	0.0	0.0	8.9208	0.8208	3.0	0 K
480 Summer	0.0	0.0	8.9623	0.8623	3.1	0 K
600 Summer	0.0	0.0	8.9893	0.8893	3.2	0 K
720 Summer	0.0	0.0	9.0073	0.9073	3.3	0 K
960 Summer	0.0	0.0	9.0283	0.9283	3.3	0 K
1440 Summer	0.0	0.0	9.0568	0.9568	3.4	0 K
2160 Summer	0.0	0.0	9.0768	0.9768	3.5	0 K
2880 Summer	0.0	0.0	9.0793	0.9793	3.5	0 K
4320 Summer	0.0	0.0	9.0623	0.9623	3.5	0 K
5760 Summer	0.0	0.0	9.0323	0.9323	3.4	0 K
7200 Summer	0.0	0.0	8.9993	0.8993	3.2	0 K
15 Winter	0.0	0.0	8.4152	0.3152	1.1	0 K
30 Winter	0.0	0.0	8.5152	0.4152	1.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	23
30 Summer	50.24	38
60 Summer	31.91	68
120 Summer	19.77	128
180 Summer	14.83	186
240 Summer	12.05	246
360 Summer	8.98	366
480 Summer	7.28	486
600 Summer	6.19	604
720 Summer	5.42	724
960 Summer	4.39	844
1440 Summer	3.26	1086
2160 Summer	2.41	1476
2880 Summer	1.95	1904
4320 Summer	1.45	2724
5760 Summer	1.17	3520
7200 Summer	0.99	4320
15 Winter	76.07	23
30 Winter	50.24	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	8.6232	0.5232	1.9	0 K
120 Winter	0.0	0.0	8.7398	0.6398	2.3	0 K
180 Winter	0.0	0.0	8.8093	0.7093	2.6	0 K
240 Winter	0.0	0.0	8.8573	0.7573	2.7	0 K
360 Winter	0.0	0.0	8.9228	0.8228	3.0	0 K
480 Winter	0.0	0.0	8.9653	0.8653	3.1	0 K
600 Winter	0.0	0.0	8.9938	0.8938	3.2	0 K
720 Winter	0.0	0.0	9.0133	0.9133	3.3	0 K
960 Winter	0.0	0.0	9.0358	0.9358	3.4	0 K
1440 Winter	0.0	0.0	9.0568	0.9568	3.4	0 K
2160 Winter	0.0	0.0	9.0663	0.9663	3.5	0 K
2880 Winter	0.0	0.0	9.0568	0.9568	3.4	0 K
4320 Winter	0.0	0.0	9.0168	0.9168	3.3	0 K
5760 Winter	0.0	0.0	8.9693	0.8693	3.1	0 K
7200 Winter	0.0	0.0	8.9218	0.8218	3.0	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	68
120 Winter	19.77	126
180 Winter	14.83	184
240 Winter	12.05	242
360 Winter	8.98	358
480 Winter	7.28	474
600 Winter	6.19	586
720 Winter	5.42	696
960 Winter	4.39	908
1440 Winter	3.26	1128
2160 Winter	2.41	1584
2880 Winter	1.95	2048
4320 Winter	1.45	2904
5760 Winter	1.17	3752
7200 Winter	0.99	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.006

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.006

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	8.100
Safety Factor	2.0	Cover Level (m)	9.570
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 1356 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	8.6157	0.5157	1.9	0 K
30 Summer	0.0	0.0	8.7918	0.6918	2.5	0 K
60 Summer	0.0	0.0	8.9823	0.8823	3.2	0 K
120 Summer	0.0	0.0	9.1783	1.0783	3.9	0 K
180 Summer	0.0	0.0	9.2878	1.1878	4.3	0 K
240 Summer	0.0	0.0	9.3578	1.2578	4.5	0 K
360 Summer	0.0	0.0	9.4477	1.3477	4.9	0 K
480 Summer	0.0	0.0	9.5027	1.4027	5.0	0 K
600 Summer	0.0	0.0	9.5362	1.4362	5.2	0 K
720 Summer	0.0	0.0	9.5557	1.4557	5.2	0 K
960 Summer	0.0	0.0	9.5747	1.4747	5.3	0 K
1440 Summer	0.0	0.0	9.5967	1.4967	5.4	0 K
2160 Summer	0.0	0.0	9.6012	1.5012	5.4	0 K
2880 Summer	0.0	0.0	9.5862	1.4862	5.4	0 K
4320 Summer	0.0	0.0	9.5322	1.4322	5.2	0 K
5760 Summer	0.0	0.0	9.4672	1.3672	4.9	0 K
7200 Summer	0.0	0.0	9.4027	1.3027	4.7	0 K
15 Winter	0.0	0.0	8.6157	0.5157	1.9	0 K
30 Winter	0.0	0.0	8.7918	0.6918	2.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	38
60 Summer	53.78	68
120 Summer	33.37	128
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	366
480 Summer	11.85	486
600 Summer	9.99	604
720 Summer	8.69	724
960 Summer	6.97	844
1440 Summer	5.09	1086
2160 Summer	3.71	1476
2880 Summer	2.96	1904
4320 Summer	2.15	2724
5760 Summer	1.71	3520
7200 Summer	1.43	4320
15 Winter	124.38	23
30 Winter	83.70	38

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.0	0.0	8.9823	0.8823	3.2	0 K
120 Winter	0.0	0.0	9.1793	1.0793	3.9	0 K
180 Winter	0.0	0.0	9.2893	1.1893	4.3	0 K
240 Winter	0.0	0.0	9.3593	1.2593	4.5	0 K
360 Winter	0.0	0.0	9.4502	1.3502	4.9	0 K
480 Winter	0.0	0.0	9.5072	1.4072	5.1	0 K
600 Winter	0.0	0.0	9.5432	1.4432	5.2	0 K
720 Winter	0.0	0.0	9.5657	1.4657	5.3	0 K
960 Winter	0.0	0.0	9.5862	1.4862	5.4	0 K
1440 Winter	0.0	0.0	9.5962	1.4962	5.4	0 K
2160 Winter	0.0	0.0	9.5857	1.4857	5.3	0 K
2880 Winter	0.0	0.0	9.5517	1.4517	5.2	0 K
4320 Winter	0.0	0.0	9.4642	1.3642	4.9	0 K
5760 Winter	0.0	0.0	9.3748	1.2748	4.6	0 K
7200 Winter	0.0	0.0	9.2908	1.1908	4.3	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	68
120 Winter	33.37	126
180 Winter	24.87	184
240 Winter	20.04	242
360 Winter	14.74	358
480 Winter	11.85	474
600 Winter	9.99	586
720 Winter	8.69	696
960 Winter	6.97	908
1440 Winter	5.09	1128
2160 Winter	3.71	1584
2880 Winter	2.96	2048
4320 Winter	2.15	2904
5760 Winter	1.71	3752
7200 Winter	1.43	4544

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.006

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.006

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So7	
Date March 2021 File So7 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.014364	Invert Level (m)	8.100
Safety Factor	2.0	Cover Level (m)	9.700
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5	Cap Volume (m)	9.700

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 127 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	0.0	0.0	8.8032	0.4532	0.4	0 K
30 Summer	0.0	0.0	8.9273	0.5772	0.5	0 K
60 Summer	0.0	0.0	9.0313	0.6813	0.5	0 K
120 Summer	0.1	0.1	9.0958	0.7458	0.6	0 K
180 Summer	0.1	0.1	9.1223	0.7723	0.6	0 K
240 Summer	0.1	0.1	9.1323	0.7823	0.6	0 K
360 Summer	0.1	0.1	9.1298	0.7798	0.6	0 K
480 Summer	0.1	0.1	9.1143	0.7643	0.6	0 K
600 Summer	0.1	0.1	9.0933	0.7433	0.6	0 K
720 Summer	0.1	0.1	9.0713	0.7213	0.6	0 K
960 Summer	0.0	0.0	9.0268	0.6768	0.5	0 K
1440 Summer	0.0	0.0	8.9508	0.6008	0.5	0 K
2160 Summer	0.0	0.0	8.8657	0.5157	0.4	0 K
2880 Summer	0.0	0.0	8.8047	0.4547	0.4	0 K
4320 Summer	0.0	0.0	8.7207	0.3707	0.3	0 K
5760 Summer	0.0	0.0	8.6662	0.3162	0.3	0 K
7200 Summer	0.0	0.0	8.6267	0.2767	0.2	0 K
15 Winter	0.0	0.0	8.8037	0.4537	0.4	0 K
30 Winter	0.0	0.0	8.9288	0.5787	0.5	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	22
30 Summer	50.24	36
60 Summer	31.91	64
120 Summer	19.77	100
180 Summer	14.83	132
240 Summer	12.05	166
360 Summer	8.98	234
480 Summer	7.28	302
600 Summer	6.19	370
720 Summer	5.42	436
960 Summer	4.39	564
1440 Summer	3.26	814
2160 Summer	2.41	1192
2880 Summer	1.95	1560
4320 Summer	1.45	2292
5760 Summer	1.17	3000
7200 Summer	0.99	3744
15 Winter	76.07	22
30 Winter	50.24	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.0	0.0	9.0353	0.6853	0.5	0 K
120 Winter	0.1	0.1	9.0963	0.7463	0.6	0 K
180 Winter	0.1	0.1	9.1173	0.7673	0.6	0 K
240 Winter	0.1	0.1	9.1193	0.7693	0.6	0 K
360 Winter	0.1	0.1	9.0998	0.7498	0.6	0 K
480 Winter	0.1	0.1	9.0703	0.7203	0.6	0 K
600 Winter	0.0	0.0	9.0378	0.6878	0.6	0 K
720 Winter	0.0	0.0	9.0063	0.6563	0.5	0 K
960 Winter	0.0	0.0	8.9493	0.5993	0.5	0 K
1440 Winter	0.0	0.0	8.8582	0.5082	0.4	0 K
2160 Winter	0.0	0.0	8.7647	0.4147	0.3	0 K
2880 Winter	0.0	0.0	8.7022	0.3522	0.3	0 K
4320 Winter	0.0	0.0	8.6232	0.2732	0.2	0 K
5760 Winter	0.0	0.0	8.5757	0.2257	0.2	0 K
7200 Winter	0.0	0.0	8.5438	0.1937	0.2	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	64
120 Winter	19.77	102
180 Winter	14.83	140
240 Winter	12.05	178
360 Winter	8.98	252
480 Winter	7.28	322
600 Winter	6.19	392
720 Winter	5.42	460
960 Winter	4.39	592
1440 Winter	3.26	854
2160 Winter	2.41	1220
2880 Winter	1.95	1592
4320 Winter	1.45	2336
5760 Winter	1.17	3056
7200 Winter	0.99	3752

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.002

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.002

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
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Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	2.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.350
Safety Factor	2.0	Cover Level (m)	9.750
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
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Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 127 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	0.1	0.1	9.0913	0.7413	0.6	0 K
30 Summer	0.1	0.1	9.3118	0.9618	0.8	0 K
60 Summer	0.1	0.1	9.4983	1.1483	0.9	0 K
120 Summer	0.1	0.1	9.6083	1.2583	1.0	0 K
180 Summer	0.1	0.1	9.6452	1.2952	1.0	0 K
240 Summer	0.1	0.1	9.6507	1.3007	1.0	0 K
360 Summer	0.1	0.1	9.6302	1.2802	1.0	0 K
480 Summer	0.1	0.1	9.5933	1.2433	1.0	0 K
600 Summer	0.1	0.1	9.5508	1.2008	1.0	0 K
720 Summer	0.1	0.1	9.5073	1.1573	0.9	0 K
960 Summer	0.1	0.1	9.4253	1.0753	0.9	0 K
1440 Summer	0.1	0.1	9.2893	0.9393	0.8	0 K
2160 Summer	0.1	0.1	9.1433	0.7933	0.6	0 K
2880 Summer	0.0	0.0	9.0398	0.6898	0.6	0 K
4320 Summer	0.0	0.0	8.9018	0.5517	0.4	0 K
5760 Summer	0.0	0.0	8.8137	0.4637	0.4	0 K
7200 Summer	0.0	0.0	8.7512	0.4012	0.3	0 K
15 Winter	0.1	0.1	9.0923	0.7423	0.6	0 K
30 Winter	0.1	0.1	9.3143	0.9643	0.8	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	22
30 Summer	83.70	36
60 Summer	53.78	64
120 Summer	33.37	100
180 Summer	24.87	132
240 Summer	20.04	166
360 Summer	14.74	234
480 Summer	11.85	302
600 Summer	9.99	370
720 Summer	8.69	436
960 Summer	6.97	564
1440 Summer	5.09	814
2160 Summer	3.71	1192
2880 Summer	2.96	1560
4320 Summer	2.15	2292
5760 Summer	1.71	3000
7200 Summer	1.43	3744
15 Winter	124.38	22
30 Winter	83.70	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.1	0.1	9.5048	1.1548	0.9	0 K
120 Winter	0.1	0.1	9.6098	1.2598	1.0	0 K
180 Winter	0.1	0.1	9.6372	1.2872	1.0	0 K
240 Winter	0.1	0.1	9.6288	1.2787	1.0	0 K
360 Winter	0.1	0.1	9.5808	1.2308	1.0	0 K
480 Winter	0.1	0.1	9.5213	1.1713	0.9	0 K
600 Winter	0.1	0.1	9.4608	1.1108	0.9	0 K
720 Winter	0.1	0.1	9.4038	1.0538	0.8	0 K
960 Winter	0.1	0.1	9.3018	0.9518	0.8	0 K
1440 Winter	0.1	0.1	9.1443	0.7943	0.6	0 K
2160 Winter	0.0	0.0	8.9878	0.6378	0.5	0 K
2880 Winter	0.0	0.0	8.8847	0.5347	0.4	0 K
4320 Winter	0.0	0.0	8.7567	0.4067	0.3	0 K
5760 Winter	0.0	0.0	8.6812	0.3312	0.3	0 K
7200 Winter	0.0	0.0	8.6307	0.2807	0.2	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	64
120 Winter	33.37	102
180 Winter	24.87	140
240 Winter	20.04	178
360 Winter	14.74	252
480 Winter	11.85	322
600 Winter	9.99	392
720 Winter	8.69	460
960 Winter	6.97	592
1440 Winter	5.09	854
2160 Winter	3.71	1220
2880 Winter	2.96	1592
4320 Winter	2.15	2336
5760 Winter	1.71	3056
7200 Winter	1.43	3752

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.002

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.002

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So8	
Date March 2021 File So8 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	2.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.350
Safety Factor	2.0	Cover Level (m)	10.000
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 237 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	0.1	0.1	9.0112	0.4112	1.5	0 K
30 Summer	0.1	0.1	9.1322	0.5322	1.9	0 K
60 Summer	0.1	0.1	9.2483	0.6483	2.3	0 K
120 Summer	0.1	0.1	9.3393	0.7393	2.7	0 K
180 Summer	0.1	0.1	9.3718	0.7718	2.8	0 K
240 Summer	0.1	0.1	9.3913	0.7913	2.8	0 K
360 Summer	0.1	0.1	9.4123	0.8123	2.9	0 K
480 Summer	0.1	0.1	9.4178	0.8178	2.9	0 K
600 Summer	0.1	0.1	9.4153	0.8153	2.9	0 K
720 Summer	0.1	0.1	9.4083	0.8083	2.9	0 K
960 Summer	0.1	0.1	9.3863	0.7863	2.8	0 K
1440 Summer	0.1	0.1	9.3338	0.7338	2.6	0 K
2160 Summer	0.1	0.1	9.2608	0.6608	2.4	0 K
2880 Summer	0.1	0.1	9.2008	0.6008	2.2	0 K
4320 Summer	0.1	0.1	9.1112	0.5112	1.8	0 K
5760 Summer	0.1	0.1	9.0472	0.4472	1.6	0 K
7200 Summer	0.1	0.1	8.9997	0.3997	1.4	0 K
15 Winter	0.1	0.1	9.0112	0.4112	1.5	0 K
30 Winter	0.1	0.1	9.1327	0.5327	1.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	22
30 Summer	50.24	37
60 Summer	31.91	66
120 Summer	19.77	124
180 Summer	14.83	158
240 Summer	12.05	188
360 Summer	8.98	254
480 Summer	7.28	322
600 Summer	6.19	390
720 Summer	5.42	460
960 Summer	4.39	592
1440 Summer	3.26	856
2160 Summer	2.41	1240
2880 Summer	1.95	1616
4320 Summer	1.45	2340
5760 Summer	1.17	3064
7200 Summer	0.99	3816
15 Winter	76.07	22
30 Winter	50.24	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.1	0.1	9.2493	0.6493	2.3	0 K
120 Winter	0.1	0.1	9.3438	0.7438	2.7	0 K
180 Winter	0.1	0.1	9.3758	0.7758	2.8	0 K
240 Winter	0.1	0.1	9.3918	0.7918	2.8	0 K
360 Winter	0.1	0.1	9.4043	0.8043	2.9	0 K
480 Winter	0.1	0.1	9.4003	0.8003	2.9	0 K
600 Winter	0.1	0.1	9.3878	0.7878	2.8	0 K
720 Winter	0.1	0.1	9.3713	0.7713	2.8	0 K
960 Winter	0.1	0.1	9.3343	0.7343	2.6	0 K
1440 Winter	0.1	0.1	9.2613	0.6613	2.4	0 K
2160 Winter	0.1	0.1	9.1708	0.5707	2.1	0 K
2880 Winter	0.1	0.1	9.1017	0.5017	1.8	0 K
4320 Winter	0.1	0.1	9.0052	0.4052	1.5	0 K
5760 Winter	0.1	0.1	8.9422	0.3422	1.2	0 K
7200 Winter	0.1	0.1	8.8972	0.2972	1.1	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	64
120 Winter	19.77	122
180 Winter	14.83	172
240 Winter	12.05	194
360 Winter	8.98	270
480 Winter	7.28	346
600 Winter	6.19	420
720 Winter	5.42	490
960 Winter	4.39	630
1440 Winter	3.26	900
2160 Winter	2.41	1300
2880 Winter	1.95	1676
4320 Winter	1.45	2424
5760 Winter	1.17	3168
7200 Winter	0.99	3888

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
Date March 2021 File So9 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.008

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.008

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
Date March 2021 File So9 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	9.570
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
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Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 235 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	0.1	0.1	9.2723	0.6723	2.4	0 K
30 Summer	0.2	0.2	9.4868	0.8868	3.2	0 K
60 Summer	0.2	0.2	9.6923	1.0923	3.9	0 K
120 Summer	0.2	0.2	9.8473	1.2473	4.5	0 K
180 Summer	0.2	0.2	9.8942	1.2942	4.7	0 K
240 Summer	0.2	0.2	9.9162	1.3162	4.7	0 K
360 Summer	0.2	0.2	9.9332	1.3332	4.8	0 K
480 Summer	0.2	0.2	9.9307	1.3307	4.8	0 K
600 Summer	0.2	0.2	9.9172	1.3172	4.7	0 K
720 Summer	0.2	0.2	9.8967	1.2967	4.7	0 K
960 Summer	0.2	0.2	9.8488	1.2488	4.5	0 K
1440 Summer	0.2	0.2	9.7473	1.1473	4.1	0 K
2160 Summer	0.2	0.2	9.6158	1.0158	3.7	0 K
2880 Summer	0.2	0.2	9.5118	0.9118	3.3	0 K
4320 Summer	0.1	0.1	9.3608	0.7608	2.7	0 K
5760 Summer	0.1	0.1	9.2558	0.6558	2.4	0 K
7200 Summer	0.1	0.1	9.1798	0.5798	2.1	0 K
15 Winter	0.1	0.1	9.2728	0.6728	2.4	0 K
30 Winter	0.2	0.2	9.4873	0.8873	3.2	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	22
30 Summer	83.70	37
60 Summer	53.78	66
120 Summer	33.37	124
180 Summer	24.87	158
240 Summer	20.04	188
360 Summer	14.74	254
480 Summer	11.85	322
600 Summer	9.99	390
720 Summer	8.69	460
960 Summer	6.97	592
1440 Summer	5.09	856
2160 Summer	3.71	1240
2880 Summer	2.96	1616
4320 Summer	2.15	2340
5760 Summer	1.71	3064
7200 Summer	1.43	3816
15 Winter	124.38	22
30 Winter	83.70	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
Date March 2021 File So9 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.2	0.2	9.6948	1.0948	3.9	0 K
120 Winter	0.2	0.2	9.8553	1.2553	4.5	0 K
180 Winter	0.2	0.2	9.9012	1.3012	4.7	0 K
240 Winter	0.2	0.2	9.9162	1.3162	4.7	0 K
360 Winter	0.2	0.2	9.9202	1.3202	4.8	0 K
480 Winter	0.2	0.2	9.9017	1.3017	4.7	0 K
600 Winter	0.2	0.2	9.8723	1.2723	4.6	0 K
720 Winter	0.2	0.2	9.8383	1.2383	4.5	0 K
960 Winter	0.2	0.2	9.7668	1.1668	4.2	0 K
1440 Winter	0.2	0.2	9.6338	1.0338	3.7	0 K
2160 Winter	0.2	0.2	9.4773	0.8773	3.2	0 K
2880 Winter	0.1	0.1	9.3613	0.7613	2.7	0 K
4320 Winter	0.1	0.1	9.2033	0.6033	2.2	0 K
5760 Winter	0.1	0.1	9.1017	0.5017	1.8	0 K
7200 Winter	0.1	0.1	9.0312	0.4312	1.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	64
120 Winter	33.37	122
180 Winter	24.87	172
240 Winter	20.04	194
360 Winter	14.74	270
480 Winter	11.85	346
600 Winter	9.99	420
720 Winter	8.69	490
960 Winter	6.97	630
1440 Winter	5.09	900
2160 Winter	3.71	1300
2880 Winter	2.96	1676
4320 Winter	2.15	2424
5760 Winter	1.71	3168
7200 Winter	1.43	3888

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
Date March 2021 File So9 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.008

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.008

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So9	
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Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	10.000
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 237 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	0.1	0.1	9.0112	0.4112	1.5	0 K
30 Summer	0.1	0.1	9.1322	0.5322	1.9	0 K
60 Summer	0.1	0.1	9.2483	0.6483	2.3	0 K
120 Summer	0.1	0.1	9.3393	0.7393	2.7	0 K
180 Summer	0.1	0.1	9.3718	0.7718	2.8	0 K
240 Summer	0.1	0.1	9.3913	0.7913	2.8	0 K
360 Summer	0.1	0.1	9.4123	0.8123	2.9	0 K
480 Summer	0.1	0.1	9.4178	0.8178	2.9	0 K
600 Summer	0.1	0.1	9.4153	0.8153	2.9	0 K
720 Summer	0.1	0.1	9.4083	0.8083	2.9	0 K
960 Summer	0.1	0.1	9.3863	0.7863	2.8	0 K
1440 Summer	0.1	0.1	9.3338	0.7338	2.6	0 K
2160 Summer	0.1	0.1	9.2608	0.6608	2.4	0 K
2880 Summer	0.1	0.1	9.2008	0.6008	2.2	0 K
4320 Summer	0.1	0.1	9.1112	0.5112	1.8	0 K
5760 Summer	0.1	0.1	9.0472	0.4472	1.6	0 K
7200 Summer	0.1	0.1	8.9997	0.3997	1.4	0 K
15 Winter	0.1	0.1	9.0112	0.4112	1.5	0 K
30 Winter	0.1	0.1	9.1327	0.5327	1.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	22
30 Summer	50.24	37
60 Summer	31.91	66
120 Summer	19.77	124
180 Summer	14.83	158
240 Summer	12.05	188
360 Summer	8.98	254
480 Summer	7.28	322
600 Summer	6.19	390
720 Summer	5.42	460
960 Summer	4.39	592
1440 Summer	3.26	856
2160 Summer	2.41	1240
2880 Summer	1.95	1616
4320 Summer	1.45	2340
5760 Summer	1.17	3064
7200 Summer	0.99	3816
15 Winter	76.07	22
30 Winter	50.24	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.1	0.1	9.2493	0.6493	2.3	0 K
120 Winter	0.1	0.1	9.3438	0.7438	2.7	0 K
180 Winter	0.1	0.1	9.3758	0.7758	2.8	0 K
240 Winter	0.1	0.1	9.3918	0.7918	2.8	0 K
360 Winter	0.1	0.1	9.4043	0.8043	2.9	0 K
480 Winter	0.1	0.1	9.4003	0.8003	2.9	0 K
600 Winter	0.1	0.1	9.3878	0.7878	2.8	0 K
720 Winter	0.1	0.1	9.3713	0.7713	2.8	0 K
960 Winter	0.1	0.1	9.3343	0.7343	2.6	0 K
1440 Winter	0.1	0.1	9.2613	0.6613	2.4	0 K
2160 Winter	0.1	0.1	9.1708	0.5707	2.1	0 K
2880 Winter	0.1	0.1	9.1017	0.5017	1.8	0 K
4320 Winter	0.1	0.1	9.0052	0.4052	1.5	0 K
5760 Winter	0.1	0.1	8.9422	0.3422	1.2	0 K
7200 Winter	0.1	0.1	8.8972	0.2972	1.1	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	64
120 Winter	19.77	122
180 Winter	14.83	172
240 Winter	12.05	194
360 Winter	8.98	270
480 Winter	7.28	346
600 Winter	6.19	420
720 Winter	5.42	490
960 Winter	4.39	630
1440 Winter	3.26	900
2160 Winter	2.41	1300
2880 Winter	1.95	1676
4320 Winter	1.45	2424
5760 Winter	1.17	3168
7200 Winter	0.99	3888

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.008

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.008

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	9.600
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 235 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	0.1	0.1	9.2723	0.6723	2.4	0 K
30 Summer	0.2	0.2	9.4868	0.8868	3.2	0 K
60 Summer	0.2	0.2	9.6923	1.0923	3.9	0 K
120 Summer	0.2	0.2	9.8473	1.2473	4.5	0 K
180 Summer	0.2	0.2	9.8942	1.2942	4.7	0 K
240 Summer	0.2	0.2	9.9162	1.3162	4.7	0 K
360 Summer	0.2	0.2	9.9332	1.3332	4.8	0 K
480 Summer	0.2	0.2	9.9307	1.3307	4.8	0 K
600 Summer	0.2	0.2	9.9172	1.3172	4.7	0 K
720 Summer	0.2	0.2	9.8967	1.2967	4.7	0 K
960 Summer	0.2	0.2	9.8488	1.2488	4.5	0 K
1440 Summer	0.2	0.2	9.7473	1.1473	4.1	0 K
2160 Summer	0.2	0.2	9.6158	1.0158	3.7	0 K
2880 Summer	0.2	0.2	9.5118	0.9118	3.3	0 K
4320 Summer	0.1	0.1	9.3608	0.7608	2.7	0 K
5760 Summer	0.1	0.1	9.2558	0.6558	2.4	0 K
7200 Summer	0.1	0.1	9.1798	0.5798	2.1	0 K
15 Winter	0.1	0.1	9.2728	0.6728	2.4	0 K
30 Winter	0.2	0.2	9.4873	0.8873	3.2	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	22
30 Summer	83.70	37
60 Summer	53.78	66
120 Summer	33.37	124
180 Summer	24.87	158
240 Summer	20.04	188
360 Summer	14.74	254
480 Summer	11.85	322
600 Summer	9.99	390
720 Summer	8.69	460
960 Summer	6.97	592
1440 Summer	5.09	856
2160 Summer	3.71	1240
2880 Summer	2.96	1616
4320 Summer	2.15	2340
5760 Summer	1.71	3064
7200 Summer	1.43	3816
15 Winter	124.38	22
30 Winter	83.70	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.2	0.2	9.6948	1.0948	3.9	0 K
120 Winter	0.2	0.2	9.8553	1.2553	4.5	0 K
180 Winter	0.2	0.2	9.9012	1.3012	4.7	0 K
240 Winter	0.2	0.2	9.9162	1.3162	4.7	0 K
360 Winter	0.2	0.2	9.9202	1.3202	4.8	0 K
480 Winter	0.2	0.2	9.9017	1.3017	4.7	0 K
600 Winter	0.2	0.2	9.8723	1.2723	4.6	0 K
720 Winter	0.2	0.2	9.8383	1.2383	4.5	0 K
960 Winter	0.2	0.2	9.7668	1.1668	4.2	0 K
1440 Winter	0.2	0.2	9.6338	1.0338	3.7	0 K
2160 Winter	0.2	0.2	9.4773	0.8773	3.2	0 K
2880 Winter	0.1	0.1	9.3613	0.7613	2.7	0 K
4320 Winter	0.1	0.1	9.2033	0.6033	2.2	0 K
5760 Winter	0.1	0.1	9.1017	0.5017	1.8	0 K
7200 Winter	0.1	0.1	9.0312	0.4312	1.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	64
120 Winter	33.37	122
180 Winter	24.87	172
240 Winter	20.04	194
360 Winter	14.74	270
480 Winter	11.85	346
600 Winter	9.99	420
720 Winter	8.69	490
960 Winter	6.97	630
1440 Winter	5.09	900
2160 Winter	3.71	1300
2880 Winter	2.96	1676
4320 Winter	2.15	2424
5760 Winter	1.71	3168
7200 Winter	1.43	3888

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Date March 2021 File So10 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.008

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.008

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So10	
Date March 2021 File So10 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	10.100
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.5		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
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Micro Drainage	Source Control W.11.2	

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 171 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	0.1	0.1	9.0577	0.4577	1.1	0 K
30 Summer	0.1	0.1	9.1878	0.5878	1.4	0 K
60 Summer	0.1	0.1	9.3043	0.7043	1.7	0 K
120 Summer	0.1	0.1	9.3818	0.7818	1.9	0 K
180 Summer	0.1	0.1	9.4138	0.8138	2.0	0 K
240 Summer	0.1	0.1	9.4303	0.8303	2.0	0 K
360 Summer	0.1	0.1	9.4398	0.8398	2.0	0 K
480 Summer	0.1	0.1	9.4338	0.8338	2.0	0 K
600 Summer	0.1	0.1	9.4203	0.8203	2.0	0 K
720 Summer	0.1	0.1	9.4033	0.8033	1.9	0 K
960 Summer	0.1	0.1	9.3658	0.7658	1.8	0 K
1440 Summer	0.1	0.1	9.2938	0.6938	1.7	0 K
2160 Summer	0.1	0.1	9.2078	0.6078	1.5	0 K
2880 Summer	0.1	0.1	9.1427	0.5427	1.3	0 K
4320 Summer	0.1	0.1	9.0507	0.4507	1.1	0 K
5760 Summer	0.1	0.1	8.9877	0.3877	0.9	0 K
7200 Summer	0.1	0.1	8.9427	0.3427	0.8	0 K
15 Winter	0.1	0.1	9.0582	0.4582	1.1	0 K
30 Winter	0.1	0.1	9.1888	0.5887	1.4	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	76.07	22
30 Summer	50.24	37
60 Summer	31.91	66
120 Summer	19.77	110
180 Summer	14.83	140
240 Summer	12.05	174
360 Summer	8.98	242
480 Summer	7.28	310
600 Summer	6.19	378
720 Summer	5.42	444
960 Summer	4.39	576
1440 Summer	3.26	830
2160 Summer	2.41	1212
2880 Summer	1.95	1588
4320 Summer	1.45	2300
5760 Summer	1.17	3048
7200 Summer	0.99	3752
15 Winter	76.07	22
30 Winter	50.24	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Summary of Results for 10 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
60 Winter	0.1	0.1	9.3073	0.7073	1.7	0 K
120 Winter	0.1	0.1	9.3873	0.7873	1.9	0 K
180 Winter	0.1	0.1	9.4133	0.8133	2.0	0 K
240 Winter	0.1	0.1	9.4243	0.8243	2.0	0 K
360 Winter	0.1	0.1	9.4193	0.8193	2.0	0 K
480 Winter	0.1	0.1	9.3998	0.7998	1.9	0 K
600 Winter	0.1	0.1	9.3743	0.7743	1.9	0 K
720 Winter	0.1	0.1	9.3473	0.7473	1.8	0 K
960 Winter	0.1	0.1	9.2948	0.6948	1.7	0 K
1440 Winter	0.1	0.1	9.2043	0.6043	1.5	0 K
2160 Winter	0.1	0.1	9.1047	0.5047	1.2	0 K
2880 Winter	0.1	0.1	9.0342	0.4342	1.0	0 K
4320 Winter	0.1	0.1	8.9422	0.3422	0.8	0 K
5760 Winter	0.0	0.0	8.8847	0.2847	0.7	0 K
7200 Winter	0.0	0.0	8.8458	0.2457	0.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	31.91	64
120 Winter	19.77	118
180 Winter	14.83	146
240 Winter	12.05	184
360 Winter	8.98	260
480 Winter	7.28	332
600 Winter	6.19	402
720 Winter	5.42	474
960 Winter	4.39	610
1440 Winter	3.26	870
2160 Winter	2.41	1256
2880 Winter	1.95	1620
4320 Winter	1.45	2380
5760 Winter	1.17	3104
7200 Winter	0.99	3816

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 10 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	10	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.006

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.006

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
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Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	9.550
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 169 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	0.1	0.1	9.3488	0.7488	1.8	0 K
30 Summer	0.2	0.2	9.5793	0.9793	2.3	0 K
60 Summer	0.2	0.2	9.7873	1.1873	2.8	0 K
120 Summer	0.2	0.2	9.9192	1.3192	3.2	0 K
180 Summer	0.2	0.2	9.9647	1.3647	3.3	0 K
240 Summer	0.2	0.2	9.9807	1.3807	3.3	0 K
360 Summer	0.2	0.2	9.9782	1.3782	3.3	0 K
480 Summer	0.2	0.2	9.9562	1.3562	3.3	0 K
600 Summer	0.2	0.2	9.9247	1.3247	3.2	0 K
720 Summer	0.2	0.2	9.8892	1.2892	3.1	0 K
960 Summer	0.2	0.2	9.8163	1.2163	2.9	0 K
1440 Summer	0.2	0.2	9.6853	1.0853	2.6	0 K
2160 Summer	0.2	0.2	9.5343	0.9343	2.2	0 K
2880 Summer	0.1	0.1	9.4233	0.8233	2.0	0 K
4320 Summer	0.1	0.1	9.2703	0.6703	1.6	0 K
5760 Summer	0.1	0.1	9.1688	0.5687	1.4	0 K
7200 Summer	0.1	0.1	9.0967	0.4967	1.2	0 K
15 Winter	0.1	0.1	9.3493	0.7493	1.8	0 K
30 Winter	0.2	0.2	9.5813	0.9813	2.4	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	22
30 Summer	83.70	37
60 Summer	53.78	66
120 Summer	33.37	110
180 Summer	24.87	140
240 Summer	20.04	174
360 Summer	14.74	242
480 Summer	11.85	310
600 Summer	9.99	378
720 Summer	8.69	444
960 Summer	6.97	576
1440 Summer	5.09	830
2160 Summer	3.71	1212
2880 Summer	2.96	1588
4320 Summer	2.15	2300
5760 Summer	1.71	3048
7200 Summer	1.43	3752
15 Winter	124.38	22
30 Winter	83.70	36

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 100 yrs+CC.SRC	Designed By KN 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
60 Winter	0.2	0.2	9.7923	1.1923	2.9	0 K
120 Winter	0.2	0.2	9.9287	1.3287	3.2	0 K
180 Winter	0.2	0.2	9.9642	1.3642	3.3	0 K
240 Winter	0.2	0.2	9.9707	1.3707	3.3	0 K
360 Winter	0.2	0.2	9.9447	1.3447	3.2	0 K
480 Winter	0.2	0.2	9.9007	1.3007	3.1	0 K
600 Winter	0.2	0.2	9.8508	1.2508	3.0	0 K
720 Winter	0.2	0.2	9.7998	1.1998	2.9	0 K
960 Winter	0.2	0.2	9.7038	1.1038	2.6	0 K
1440 Winter	0.2	0.2	9.5448	0.9448	2.3	0 K
2160 Winter	0.1	0.1	9.3758	0.7758	1.9	0 K
2880 Winter	0.1	0.1	9.2588	0.6588	1.6	0 K
4320 Winter	0.1	0.1	9.1097	0.5097	1.2	0 K
5760 Winter	0.1	0.1	9.0177	0.4177	1.0	0 K
7200 Winter	0.1	0.1	8.9557	0.3557	0.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
60 Winter	53.78	64
120 Winter	33.37	118
180 Winter	24.87	146
240 Winter	20.04	184
360 Winter	14.74	260
480 Winter	11.85	332
600 Winter	9.99	402
720 Winter	8.69	474
960 Winter	6.97	610
1440 Winter	5.09	870
2160 Winter	3.71	1256
2880 Winter	2.96	1620
4320 Winter	2.15	2380
5760 Winter	1.71	3104
7200 Winter	1.43	3816

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	7200
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.006

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.006

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Soakaway So11	
Date March 2021 File So11 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Trench Soakaway Details

Infil Coef - Base (m/hr)	0.000000	Length (m)	6.0
Infil Coef - Sides (m/hr)	0.083880	Invert Level (m)	8.600
Safety Factor	2.0	Cover Level (m)	10.100
Porosity	0.40	Slope (1:x)	0.0
Width (m)	1.0		

Appendix B

Access Court Calculations

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1	
Date March 2021 File Access Court 1 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 58 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	1.2	1.2	9.9553	0.0753	4.3	0 K
30 Summer	1.2	1.2	9.9803	0.1003	5.7	0 K
60 Summer	1.2	1.2	9.9978	0.1178	6.7	0 K
120 Summer	1.2	1.2	10.0063	0.1263	7.2	0 K
180 Summer	1.2	1.2	10.0038	0.1238	7.1	0 K
240 Summer	1.2	1.2	9.9973	0.1173	6.7	0 K
360 Summer	1.2	1.2	9.9818	0.1018	5.8	0 K
480 Summer	1.2	1.2	9.9673	0.0873	5.0	0 K
600 Summer	1.2	1.2	9.9543	0.0743	4.2	0 K
720 Summer	1.2	1.2	9.9438	0.0638	3.6	0 K
960 Summer	1.2	1.2	9.9298	0.0498	2.8	0 K
1440 Summer	0.9	0.9	9.9193	0.0392	2.2	0 K
15 Winter	1.2	1.2	9.9558	0.0758	4.3	0 K
30 Winter	1.2	1.2	9.9803	0.1003	5.7	0 K
60 Winter	1.2	1.2	9.9968	0.1168	6.7	0 K
120 Winter	1.2	1.2	10.0018	0.1218	6.9	0 K
180 Winter	1.2	1.2	9.9953	0.1153	6.5	0 K
240 Winter	1.2	1.2	9.9838	0.1038	5.9	0 K
360 Winter	1.2	1.2	9.9608	0.0808	4.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	21
30 Summer	83.70	35
60 Summer	53.78	56
120 Summer	33.37	90
180 Summer	24.87	124
240 Summer	20.04	158
360 Summer	14.74	224
480 Summer	11.85	286
600 Summer	9.99	344
720 Summer	8.69	402
960 Summer	6.97	512
1440 Summer	5.09	754
15 Winter	124.38	21
30 Winter	83.70	35
60 Winter	53.78	60
120 Winter	33.37	94
180 Winter	24.87	132
240 Winter	20.04	168
360 Winter	14.74	232

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1	
Date March 2021 File Access Court 1 100 yrs+CC.SRC	Designed By KN 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
480 Winter	1.2	1.2	9.9418	0.0618	3.5	0 K
600 Winter	1.2	1.2	9.9298	0.0497	2.8	0 K
720 Winter	1.1	1.1	9.9243	0.0442	2.5	0 K
960 Winter	0.9	0.9	9.9163	0.0362	2.1	0 K
1440 Winter	0.7	0.7	9.9073	0.0272	1.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
480 Winter	11.85	290
600 Winter	9.99	336
720 Winter	8.69	398
960 Winter	6.97	522
1440 Winter	5.09	756

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1	
Date March 2021 File Access Court 1 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	1440
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.019

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.019

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1	
Date March 2021 File Access Court 1 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Porous Car Park Details

Infil Coef - Base (m/hr)	0.227160	Invert Level (m)	9.880
Membrane Percolation (mm/hr)	1000	Cover Level (m)	10.350
Safety Factor	10.0	Slope (1:x)	0.0
Porosity	0.30	Max Percolation (l/s)	52.7
Length (m)	26.0	Depression Storage (mm)	5
Width (m)	7.3	Evaporation (mm/day)	3

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1 Entrance	
Date March 2021 File Access Court 1 Entrance 100 yrs...	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 77 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	0.5	0.5	9.8327	0.2227	2.7	0 K
30 Summer	0.6	0.6	9.8657	0.2557	3.5	0 K
60 Summer	0.6	0.6	9.8907	0.2807	4.2	0 K
120 Summer	0.6	0.6	9.9037	0.2937	4.6	0 K
180 Summer	0.6	0.6	9.9042	0.2942	4.6	0 K
240 Summer	0.6	0.6	9.8992	0.2892	4.4	0 K
360 Summer	0.6	0.6	9.8857	0.2757	4.1	0 K
480 Summer	0.6	0.6	9.8717	0.2617	3.7	0 K
600 Summer	0.6	0.6	9.8592	0.2492	3.4	0 K
720 Summer	0.5	0.5	9.8487	0.2387	3.1	0 K
960 Summer	0.5	0.5	9.8302	0.2202	2.6	0 K
1440 Summer	0.4	0.4	9.8002	0.1902	2.0	0 K
15 Winter	0.5	0.5	9.8327	0.2227	2.7	0 K
30 Winter	0.6	0.6	9.8662	0.2562	3.5	0 K
60 Winter	0.6	0.6	9.8912	0.2812	4.2	0 K
120 Winter	0.6	0.6	9.9017	0.2917	4.5	0 K
180 Winter	0.6	0.6	9.8987	0.2887	4.4	0 K
240 Winter	0.6	0.6	9.8902	0.2802	4.2	0 K
360 Winter	0.6	0.6	9.8697	0.2597	3.6	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	21
30 Summer	83.70	35
60 Summer	53.78	62
120 Summer	33.37	94
180 Summer	24.87	128
240 Summer	20.04	162
360 Summer	14.74	230
480 Summer	11.85	294
600 Summer	9.99	358
720 Summer	8.69	422
960 Summer	6.97	544
1440 Summer	5.09	784
15 Winter	124.38	21
30 Winter	83.70	35
60 Winter	53.78	62
120 Winter	33.37	98
180 Winter	24.87	136
240 Winter	20.04	174
360 Winter	14.74	242

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1 Entrance	
Date March 2021 File Access Court 1 Entrance 100 yrs...	Designed By KN 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
480 Winter	0.6	0.6	9.8522	0.2422	3.2	0 K
600 Winter	0.5	0.5	9.8367	0.2267	2.8	0 K
720 Winter	0.5	0.5	9.8227	0.2127	2.4	0 K
960 Winter	0.4	0.4	9.7987	0.1887	1.9	0 K
1440 Winter	0.3	0.3	9.7633	0.1533	1.3	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
480 Winter	11.85	308
600 Winter	9.99	374
720 Winter	8.69	438
960 Winter	6.97	562
1440 Winter	5.09	800

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1 Entrance	
Date March 2021 File Access Court 1 Entrance 100 yrs...	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	1440
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.011

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.011

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 1 Entrance	
Date March 2021 File Access Court 1 Entrance 100 yrs...	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Porous Car Park Details

Infil Coef - Base (m/hr)	0.227160	Invert Level (m)	9.610
Membrane Percolation (mm/hr)	1000	Cover Level (m)	9.910
Safety Factor	10.0	Slope (1:x)	60.0
Porosity	0.30	Max Percolation (l/s)	25.0
Length (m)	15.0	Depression Storage (mm)	5
Width (m)	6.0	Evaporation (mm/day)	3

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 2	
Date March 2021 File Access Court 2 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

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

Half Drain Time : 488 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	0.3	0.3	9.5218	0.1348	7.3	0 K
30 Summer	0.3	0.3	9.5553	0.1682	10.3	0 K
60 Summer	0.3	0.3	9.5902	0.2032	13.3	0 K
120 Summer	0.3	0.3	9.6232	0.2362	16.2	0 K
180 Summer	0.3	0.3	9.6392	0.2522	17.6	0 K
240 Summer	0.3	0.3	9.6477	0.2607	18.3	0 K
360 Summer	0.3	0.3	9.6542	0.2672	18.9	0 K
480 Summer	0.3	0.3	9.6552	0.2682	19.0	0 K
600 Summer	0.3	0.3	9.6542	0.2672	18.9	0 K
720 Summer	0.3	0.3	9.6522	0.2652	18.7	0 K
960 Summer	0.3	0.3	9.6472	0.2602	18.3	0 K
1440 Summer	0.3	0.3	9.6332	0.2462	17.0	0 K
15 Winter	0.3	0.3	9.5218	0.1348	7.3	0 K
30 Winter	0.3	0.3	9.5553	0.1682	10.3	0 K
60 Winter	0.3	0.3	9.5902	0.2032	13.3	0 K
120 Winter	0.3	0.3	9.6232	0.2362	16.2	0 K
180 Winter	0.3	0.3	9.6392	0.2522	17.6	0 K
240 Winter	0.3	0.3	9.6477	0.2607	18.3	0 K
360 Winter	0.3	0.3	9.6547	0.2677	18.9	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
15 Summer	124.38	23
30 Summer	83.70	37
60 Summer	53.78	68
120 Summer	33.37	126
180 Summer	24.87	186
240 Summer	20.04	246
360 Summer	14.74	364
480 Summer	11.85	452
600 Summer	9.99	508
720 Summer	8.69	568
960 Summer	6.97	696
1440 Summer	5.09	970
15 Winter	124.38	22
30 Winter	83.70	37
60 Winter	53.78	66
120 Winter	33.37	124
180 Winter	24.87	182
240 Winter	20.04	240
360 Winter	14.74	352

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 2	
Date March 2021 File Access Court 2 100 yrs+CC.SRC	Designed By KN 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
480 Winter	0.3	0.3	9.6557	0.2687	19.0	0 K
600 Winter	0.3	0.3	9.6532	0.2662	18.8	0 K
720 Winter	0.3	0.3	9.6502	0.2632	18.5	0 K
960 Winter	0.3	0.3	9.6427	0.2557	17.9	0 K
1440 Winter	0.3	0.3	9.6218	0.2347	16.1	0 K

Storm Duration (mins)	Rain (mm/hr)	Time-Peak (mins)
480 Winter	11.85	460
600 Winter	9.99	558
720 Winter	8.69	582
960 Winter	6.97	734
1440 Winter	5.09	1030

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Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 2	
Date March 2021 File Access Court 2 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Rainfall Details

Region	ENG+WAL	Shortest Storm (mins)	15
Return Period (years)	100	Longest Storm (mins)	1440
M5-60 (mm)	19.000	Summer Storms	Yes
Ratio-R	0.348	Winter Storms	Yes
Cv (Summer)	1.000	Climate Change %	+40
Cv (Winter)	1.000		

Time / Area Diagram

Total Area (ha) = 0.029

Time from:	(mins) to:	Area (ha)	Time from:	(mins) to:	Area (ha)
0	4	0.000	4	8	0.029

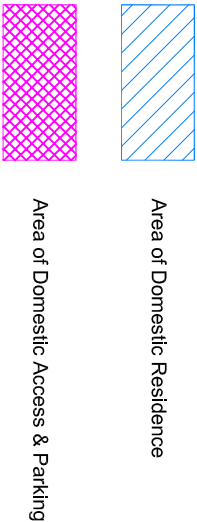
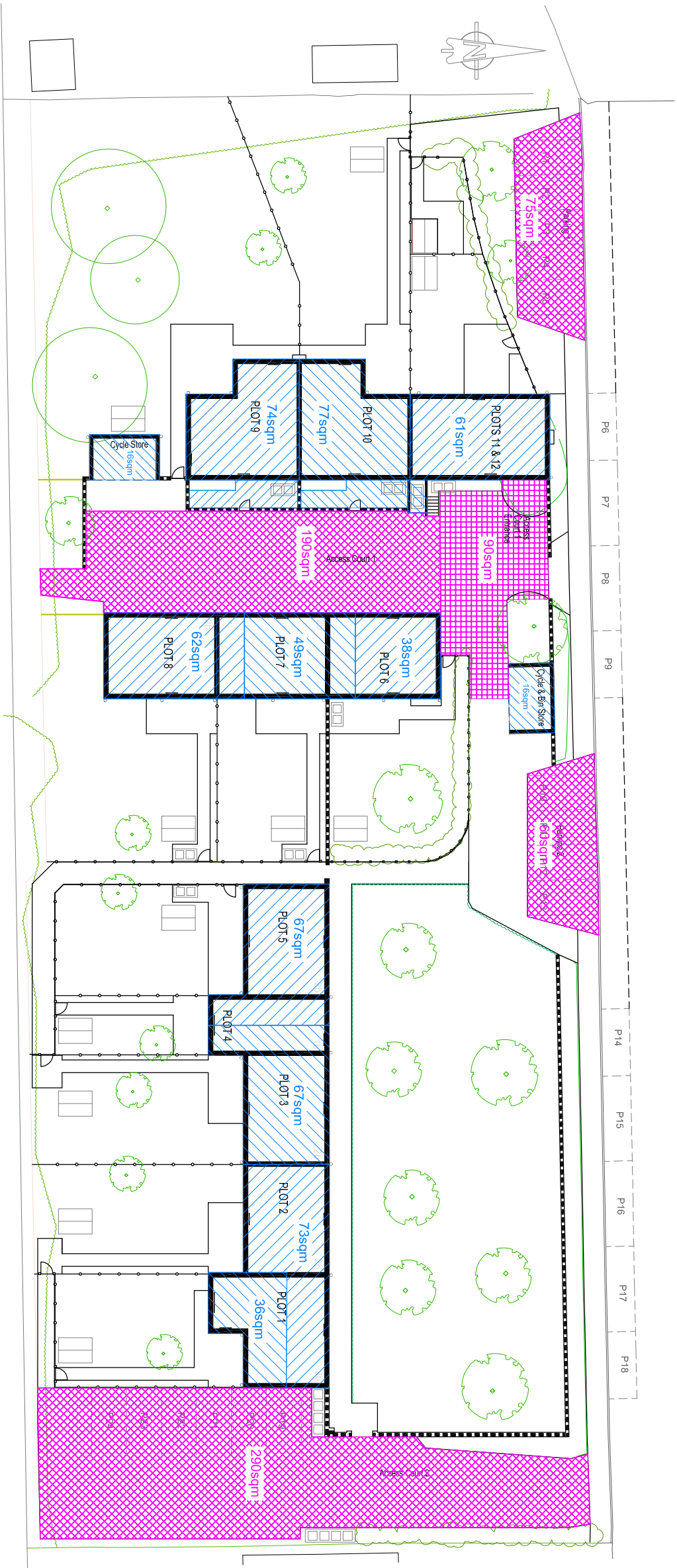
Kazys Narbutas Consulting Ltd		Page 4
Unit 5B Tanners Court Tanners Lane, East Wellow Romsey SO51 6DP	Mayflower Way Angmering Access Court 2	
Date March 2021 File Access Court 2 100 yrs+CC.SRC	Designed By KN Checked By	
Micro Drainage	Source Control W.11.2	

Porous Car Park Details

Infil Coef - Base (m/hr)	0.040680	Invert Level (m)	9.387
Membrane Percolation (mm/hr)	1000	Cover Level (m)	9.687
Safety Factor	10.0	Slope (1:x)	370.0
Porosity	0.30	Max Percolation (l/s)	80.6
Length (m)	37.2	Depression Storage (mm)	5
Width (m)	7.8	Evaporation (mm/day)	3

Appendix C

Infiltration Areas Plan



Rev.	Date	Details	Initials
A	19/03/21	First Issue	KN

INFORMATION FOR PLANNING

Project: MAYFLOWER WAY
Client: ANGMERING

Client: ANGMERING COMMUNITY LAND TRUST



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Drawing Title: Engineering Details			
Drawing No: KNC2101			
Drawn: KN	Checked: KN	Scales: 1:250	Paper Size: A2
Job No.: KNC2101	Drawing No.: 505-01	Date: 03.21	Revision: A