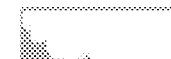


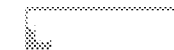
Paul Basham Associates		Page 1
Lancaster Court Fareham Hampshire, PO15 5TU	PLOTS 35-39 SIDE INFILTRATION ONLY INFILTRATION CRATES	
Date 09/07/2021 13:47 File 108.5009 - PLOT 35-39.SRCX	Designed by RD Checked by RW	
Innovyze	Source Control 2020.1.3	

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

Half Drain Time : 1445 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (mE)	Status
15 min Summer	15.598	0.051	0.1	6.5	OK
30 min Summer	15.616	0.069	0.1	8.9	OK
60 min Summer	15.636	0.089	0.1	11.5	OK
120 min Summer	15.657	0.110	0.1	14.2	OK
180 min Summer	15.669	0.122	0.1	15.7	OK
240 min Summer	15.676	0.129	0.1	16.7	OK
360 min Summer	15.687	0.140	0.1	18.1	OK
480 min Summer	15.694	0.147	0.1	18.9	OK
600 min Summer	15.698	0.151	0.2	19.5	OK
720 min Summer	15.701	0.154	0.2	19.8	OK
960 min Summer	15.703	0.156	0.2	20.2	OK
1440 min Summer	15.707	0.160	0.2	20.6	OK
2160 min Summer	15.708	0.161	0.2	20.8	OK
2880 min Summer	15.708	0.161	0.2	20.7	OK
4320 min Summer	15.703	0.156	0.2	20.2	OK
5760 min Summer	15.697	0.150	0.2	19.4	OK
7200 min Summer	15.691	0.144	0.1	18.7	OK
8640 min Summer	15.686	0.139	0.1	17.9	OK
10080 min Summer	15.680	0.133	0.1	17.2	OK
15 min Winter	15.604	0.057	0.1	7.3	OK
30 min Winter	15.624	0.077	0.1	10.0	OK
60 min Winter	15.647	0.100	0.1	12.9	OK
120 min Winter	15.670	0.123	0.1	15.9	OK
180 min Winter	15.683	0.136	0.1	17.6	OK

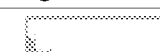
Storm Event	Rain (mm/hr)	Flooded Volume (mE)	Time - Peak (mins)
15 min Summer	125.250	0.0	23
30 min Summer	85.368	0.0	38
60 min Summer	55.544	0.0	68
120 min Summer	34.816	0.0	126
180 min Summer	26.038	0.0	186
240 min Summer	21.042	0.0	246
360 min Summer	15.601	0.0	364
480 min Summer	12.593	0.0	484
600 min Summer	10.656	0.0	602
720 min Summer	9.290	0.0	720
960 min Summer	7.475	0.0	894
1440 min Summer	5.489	0.0	1114
2160 min Summer	4.021	0.0	1496
2880 min Summer	3.220	0.0	1908
4320 min Summer	2.348	0.0	2728
5760 min Summer	1.878	0.0	3528
7200 min Summer	1.581	0.0	4328
8640 min Summer	1.373	0.0	5104
10080 min Summer	1.219	0.0	5944
15 min Winter	125.250	0.0	23
30 min Winter	85.368	0.0	37
60 min Winter	55.544	0.0	66
120 min Winter	34.816	0.0	124
180 min Winter	26.038	0.0	182

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Lancaster Court Fareham Hampshire, PO15 5TU	PLOTS 35-39 SIDE INFILTRATION ONLY INFILTRATION CRATES	
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Innovyze	Source Control 2020.1.3	

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

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (mE)	Status
240 min Winter	15.692	0.145	0.1	18.7	O K
360 min Winter	15.704	0.157	0.2	20.3	O K
480 min Winter	15.712	0.165	0.2	21.3	O K
600 min Winter	15.717	0.170	0.2	21.9	O K
720 min Winter	15.720	0.173	0.2	22.4	O K
960 min Winter	15.724	0.177	0.2	22.8	O K
1440 min Winter	15.726	0.179	0.2	23.1	O K
2160 min Winter	15.726	0.179	0.2	23.1	O K
2880 min Winter	15.723	0.176	0.2	22.8	O K
4320 min Winter	15.714	0.167	0.2	21.6	O K
5760 min Winter	15.705	0.158	0.2	20.4	O K
7200 min Winter	15.696	0.149	0.1	19.2	O K
8640 min Winter	15.688	0.141	0.1	18.2	O K
10080 min Winter	15.680	0.133	0.1	17.2	O K

Storm Event	Rain (mm/hr)	Flooded Volume (mE)	Time-Peak (mins)
240 min Winter	21.042	0.0	242
360 min Winter	15.601	0.0	358
480 min Winter	12.593	0.0	472
600 min Winter	10.656	0.0	586
720 min Winter	9.290	0.0	698
960 min Winter	7.475	0.0	912
1440 min Winter	5.489	0.0	1142
2160 min Winter	4.021	0.0	1600
2880 min Winter	3.220	0.0	2052
4320 min Winter	2.348	0.0	2940
5760 min Winter	1.878	0.0	3800
7200 min Winter	1.581	0.0	4608
8640 min Winter	1.373	0.0	5440
10080 min Winter	1.219	0.0	6248

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Lancaster Court Fareham Hampshire, PO15 5TU	PLOTS 35-39 SIDE INFILTRATION ONLY INFILTRATION CRATES	
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Innovyze	Source Control 2020.1.3	

Model Details

Storage is Online Cover Level (m) 17.900

Cellular Storage Structure

Invert Level (m) 15.547 Safety Factor 4.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.30852

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	136.0	136.0	0.800	136.0	173.3	0.801	0.0	173.3