

Dixon Hurst Kemp		Page 33	
Victoria Court		34 Hurst Road, Hassocks	
22 St Pancras		Surface Water Drainage	
West Sussex PO19 7GD		Design Simulation Rev04	
Date Dec 25		Designed by JS	
File COMBINED ATTENUATION...		Checked by	
Elstree Computing Ltd		Network W.12.6	

Micro Drainage®

Flows and Levels for Pipe 1.004 US/MH RAIN GARDEN (Storm)

960 minute 100 year Winter

Average Rainfall Intensity 5.233 mm/hr

Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)
1808	63.477	63.096	0.267	0.0	0.0
1824	63.475	63.096	0.265	0.0	0.0
1840	63.473	63.096	0.263	0.0	0.0
1856	63.470	63.096	0.260	0.0	0.0
1872	63.468	63.096	0.258	0.0	0.0
1888	63.466	63.096	0.256	0.0	0.0
1904	63.463	63.096	0.253	0.0	0.0
1920	63.461	63.096	0.251	0.0	0.0
1936	63.458	63.096	0.248	0.0	0.0
1952	63.456	63.096	0.246	0.0	0.0
1968	63.454	63.096	0.244	0.0	0.0
1984	63.451	63.096	0.241	0.0	0.0
2000	63.449	63.096	0.239	0.0	0.0
2016	63.447	63.096	0.237	0.0	0.0
2032	63.444	63.096	0.234	0.0	0.0
2048	63.442	63.096	0.232	0.0	0.0
2064	63.439	63.096	0.229	0.0	0.0
2080	63.437	63.096	0.227	0.0	0.0
2096	63.435	63.096	0.225	0.0	0.0
2112	63.432	63.096	0.222	0.0	0.0
2128	63.430	63.096	0.220	0.0	0.0
2144	63.427	63.096	0.217	0.0	0.0
2160	63.425	63.096	0.215	0.0	0.0
2176	63.423	63.096	0.213	0.0	0.0
2192	63.420	63.096	0.210	0.0	0.0
2208	63.418	63.096	0.208	0.0	0.0
2224	63.415	63.096	0.205	0.0	0.0
2240	63.413	63.096	0.203	0.0	0.0
2256	63.411	63.096	0.201	0.0	0.0
2272	63.408	63.096	0.198	0.0	0.0
2288	63.406	63.096	0.196	0.0	0.0
2304	63.403	63.096	0.193	0.0	0.0
2320	63.401	63.096	0.191	0.0	0.0
2336	63.399	63.096	0.189	0.0	0.0
2352	63.396	63.096	0.186	0.0	0.0
2368	63.394	63.096	0.184	0.0	0.0
2384	63.391	63.096	0.181	0.0	0.0
2400	63.389	63.096	0.179	0.0	0.0
2416	63.387	63.096	0.177	0.0	0.0
2432	63.384	63.096	0.174	0.0	0.0
2448	63.382	63.096	0.172	0.0	0.0
2464	63.379	63.096	0.169	0.0	0.0
2480	63.377	63.096	0.167	0.0	0.0
2496	63.374	63.096	0.164	0.0	0.0
2512	63.372	63.096	0.162	0.0	0.0
2528	63.369	63.096	0.159	0.0	0.0
2544	63.367	63.096	0.157	0.0	0.0
2560	63.364	63.096	0.154	0.0	0.0
2576	63.362	63.096	0.152	0.0	0.0
2592	63.360	63.096	0.150	0.0	0.0
2608	63.357	63.096	0.147	0.0	0.0
2624	63.355	63.096	0.145	0.0	0.0
2640	63.352	63.096	0.142	0.0	0.0
2656	63.350	63.096	0.140	0.0	0.0
2672	63.347	63.096	0.137	0.0	0.0
2688	63.344	63.096	0.134	0.0	0.0

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SCENARIO 1

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960 minute 100 year winter					
Average Rainfall Intensity 5.233 mm/hr					
Time (mins)	Upstream Level (m)	Downstream Level (m)	Surcharged Depth (m)	Total O/F (l/s)	Pipe Flow (l/s)
912	63.596	63.096	0.386	0.0	0.0
928	63.597	63.096	0.387	0.0	0.0
944	63.598	63.096	0.388	0.0	0.0
960	63.598	63.096	0.388	0.0	0.0
976	63.598	63.096	0.388	0.0	0.0
992	63.597	63.096	0.387	0.0	0.0
1008	63.595	63.096	0.385	0.0	0.0
1024	63.593	63.096	0.383	0.0	0.0
1040	63.591	63.096	0.381	0.0	0.0
1056	63.589	63.096	0.379	0.0	0.0
1072	63.587	63.096	0.377	0.0	0.0
1088	63.585	63.096	0.375	0.0	0.0
1104	63.582	63.096	0.372	0.0	0.0
1120	63.580	63.096	0.370	0.0	0.0
1136	63.578	63.096	0.368	0.0	0.0
1152	63.575	63.096	0.365	0.0	0.0
1168	63.573	63.096	0.363	0.0	0.0
1184	63.571	63.096	0.361	0.0	0.0
1200	63.568	63.096	0.358	0.0	0.0
1216	63.566	63.096	0.356	0.0	0.0
1232	63.563	63.096	0.353	0.0	0.0
1248	63.561	63.096	0.351	0.0	0.0
1264	63.559	63.096	0.349	0.0	0.0
1280	63.556	63.096	0.346	0.0	0.0
1296	63.554	63.096	0.344	0.0	0.0
1312	63.552	63.096	0.342	0.0	0.0
1328	63.549	63.096	0.339	0.0	0.0
1344	63.547	63.096	0.337	0.0	0.0
1360	63.544	63.096	0.334	0.0	0.0
1376	63.542	63.096	0.332	0.0	0.0
1392	63.540	63.096	0.330	0.0	0.0
1408	63.537	63.096	0.327	0.0	0.0
1424	63.535	63.096	0.325	0.0	0.0
1440	63.532	63.096	0.322	0.0	0.0
1456	63.530	63.096	0.320	0.0	0.0
1472	63.528	63.096	0.318	0.0	0.0
1488	63.525	63.096	0.315	0.0	0.0
1504	63.523	63.096	0.313	0.0	0.0
1520	63.520	63.096	0.310	0.0	0.0
1536	63.518	63.096	0.308	0.0	0.0
1552	63.516	63.096	0.306	0.0	0.0
1568	63.513	63.096	0.303	0.0	0.0
1584	63.511	63.096	0.301	0.0	0.0
1600	63.508	63.096	0.298	0.0	0.0
1616	63.506	63.096	0.296	0.0	0.0
1632	63.504	63.096	0.294	0.0	0.0
1648	63.501	63.096	0.291	0.0	0.0
1664	63.499	63.096	0.289	0.0	0.0
1680	63.496	63.096	0.286	0.0	0.0
1696	63.494	63.096	0.284	0.0	0.0
1712	63.492	63.096	0.282	0.0	0.0
1728	63.489	63.096	0.279	0.0	0.0
1744	63.487	63.096	0.277	0.0	0.0
1760	63.485	63.096	0.275	0.0	0.0
1776	63.482	63.096	0.272	0.0	0.0
1792	63.480	63.096	0.270	0.0	0.0

SCENARIO 3

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SCENARIO 3