Simulation Criteria for Storm

Volumetric Runoff Coeff	0.840	Hot Start (mins)	0	Foul Sewage per hectare (l/s)	0.000	Run Time (mins)	60
PIMP (% impervious)	100	Hot Start Level (mm)	0	Additional Flow - % of Total Flow	0.000	Output Interval (mins)	1
Areal Reduction Factor	1.000	Manhole Headloss Coeff (Global)	0.500	MADD Factor * 10m³/ha Storage	2.000		

Number of Input Hydrographs	0	Number of Online Controls	0	Number of Offline Controls	0	Number of Storage Structures	1	Number of Time/Area Diagrams	0

Synthetic Rainfall Details

Rainfall Model	FSR	Region	England and Wales	Ratio R	0.350	Cv (Summer)	0.750	Storm Duration (mins)	30
Return Period (years)	1	M5-60 (mm)	20.000	Profile Type	Winter	Cv (Winter)	0.840		

Storage Structures for Storm

Cellular Storage Manhole: 14, DS/PN: 1.007

Invert Level (m) 14.313 Infiltration Coefficient Base (m/hr) 0.00000 Infiltration Coefficient Side (m/hr) 0.00000 Safety Factor 2.0 Porosity 0.95

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	20.0	20.0	0.500	0.0	28.0	1.000	0.0	28.0	1.500	0.0	28.0	2.000	0.0	28.0	2.500	0.0	28.0
0.100	20.0	21.8	0.600	0.0	28.0	1.100	0.0	28.0	1.600	0.0	28.0	2.100	0.0	28.0			
0.200	20.0	23.6	0.700	0.0	28.0	1.200	0.0	28.0	1.700	0.0	28.0	2.200	0.0	28.0			
0.300	20.0	25.4	0.800	0.0	28.0	1.300	0.0	28.0	1.800	0.0	28.0	2.300	0.0	28.0			
0.400	20.0	27.2	0.900	0.0	28.0	1.400	0.0	28.0	1.900	0.0	28.0	2.400	0.0	28.0			

User Report W:\Projects\4062 GSP, Eastbourne Academy\2.10 Windes\sim 1 upgraded_1yr.spdx for Storm

PN	Dia (mm)	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Base Flow (l/s)	USCL (m)	USIL (m)	Water Level (m)	Surcharged Depth (m)	Flood Volume (m³)	Flow/Capacity	Overflow (l/s)	Maximum Volume (m³)	Sim Flow (l/s)	Status
1.000	100	17.410	0.486	35.8	0.036	0.0	19.810	18.930	18.973	-0.057	0.000	0.39	0.0	0.033	3.8	OK
1.001	100	38.726	1.856	20.9	0.079	0.0	19.474	18.444	18.517	-0.027	0.000	0.88	0.0	0.068	11.5	OK
1.002	100	7.590	0.659	11.5	0.000	0.0	17.388	16.588	16.650	-0.038	0.000	0.70	0.0	0.054	11.5	OK
1.003	150	3.300	0.140	23.6	0.033	0.0	17.029	15.929	16.176	0.097	0.000	0.61	0.0	0.225	14.3	SURCHARGED
1.004	150	43.410	0.756	57.4	0.082	0.0	16.879	15.789	16.154	0.215	0.000	0.86	0.0	0.351	19.7	SURCHARGED
2.000	100	20.820	0.260	80.1	0.015	0.0	18.744	17.614	17.647	-0.067	0.000	0.24	0.0	0.025	1.6	OK
2.001	100	15.290	1.583	9.7	0.013	0.0	18.744	17.354	17.380	-0.074	0.000	0.15	0.0	0.024	2.9	OK
2.002	100	4.660	0.217	21.5	0.059	0.0	17.351	15.771	15.900	0.029	0.000	0.76	0.0	0.113	8.6	SURCHARGED
2.003	150	12.970	0.521	24.9	0.028	0.0	16.544	15.554	15.875	0.171	0.000	0.35	0.0	0.302	11.3	SURCHARGED
1.005	150	7.190	0.304	23.7	0.000	0.0	16.163	15.033	15.856	0.673	0.000	0.84	0.0	1.640	26.4	SURCHARGED
1.006	150	23.610	0.416	56.8	0.045	0.0	15.959	14.729	15.746	0.867	0.000	1.26	0.0	0.985	28.3	FLOOD RISK
3.000	100	29.390	1.716	17.1	0.055	0.0	18.201	17.131	17.175	-0.056	0.000	0.41	0.0	0.034	5.8	OK
3.001	100	11.390	1.052	10.8	0.019	0.0	16.105	15.415	15.461	-0.054	0.000	0.44	0.0	0.039	7.7	OK
1.007	150	32.300	0.484	66.7	0.041	0.0	15.993	14.313	15.386	0.923	0.000	1.24	0.0	10.229	25.9	SURCHARGED
1.008	150	36.190	0.641	56.5	0.159	0.0	15.659	13.829	14.652	0.673	0.000	1.43	0.0	1.474	32.8	SURCHARGED
1.009	150	36.970	1.793	20.6	0.000	0.0	14.098	13.188	13.296	-0.042	0.000	0.86	0.0	0.121	32.8	OK
1.010	600	3.000	0.030	100.0	0.000	0.0	12.815	10.945	11.081	-0.464	0.000	0.12	0.0	0.232	32.8	OK