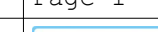


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STORM SEWER DESIGN by the Modified Rational Method

Pipe Sizes STANDARD Manhole Sizes STANDARD

Designed with Level Inverts

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section	Type	Auto Design
1.000	76.641	0.341	224.8	0.883	5.00	0.0	0.600	o	675	Pipe/Conduit		
1.001	75.832	0.345	219.8	0.000	0.00	0.0	0.600	o	675	Pipe/Conduit		
1.002	78.464	0.523	150.0	0.950	0.00	0.0	0.600	o	675	Pipe/Conduit		
1.003	33.312	0.401	83.0	0.072	0.00	0.0	0.600	o	675	Pipe/Conduit		
1.004	35.969	0.131	275.0	0.333	0.00	0.0	0.600	o	825	Pipe/Conduit		
1.005	54.487	0.196	278.0	0.108	0.00	0.0	0.600	o	825	Pipe/Conduit		
1.006	47.018	0.305	154.2	0.091	0.00	0.0	0.600	o	825	Pipe/Conduit		
1.007	24.799	0.071	350.0	0.000	0.00	0.0	0.600	o	825	Pipe/Conduit		
1.008	6.247	0.018	350.0	0.000	0.00	0.0	0.600	o	825	Pipe/Conduit		

Network Results Table

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Free Flowing Outfall Details for NET1.SWS

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.008	Basin L	21.193	19.128	14.220	0	0

Simulation Criteria for NET1.SWS

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m ³ /ha	Storage 2.000
Hot Start (mins)	0	Inlet Coeffiecient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs	0	Number of Storage Structures	0
Number of Online Controls	0	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.900	Storm Duration (mins)	30
Ratio R	0.350		

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