

Curtins Consulting Ltd

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Designed by losty_a

File Site 1 04.11.21.MDX

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Innovyze

Network 2019.1

Summary of Critical Results by Maximum Level (Rank 1) for Storm 1

Simulation Criteria

Areal Reduction Factor 1.000

Additional Flow - % of Total Flow 0.000

Hot Start (mins) 0

MADD Factor * 10m³/ha Storage 2.000

Hot Start Level (mm) 0

Inlet Coefficient 0.800

Manhole Headloss Coeff (Global) 0.500

Flow per Person per Day (l/per/day) 0.000

Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0

Number of Storage Structures 1

Number of Online Controls 1

Number of Time/Area Diagrams 0

Number of Offline Controls 0

Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR

Ratio R 0.357

Region England and Wales Cv (Summer) 1.000

M5-60 (mm) 18.000 Cv (Winter) 1.000

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status OFF

DVD Status ON

Inertia Status ON

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440

Return Period(s) (years) 100

Climate Change (%) 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1	240 Winter	100	+40%	100/120 Summer				52.162
S1.001	S2	240 Winter	100	+40%	100/120 Summer				52.162
S1.002	S3	240 Winter	100	+40%	100/120 Summer				52.161
S1.003	S4	240 Winter	100	+40%	100/60 Summer				52.160
S2.000	S5	15 Summer	100	+40%					52.307
S1.004	S6	240 Winter	100	+40%	100/15 Summer				52.158
S1.005	S7	240 Winter	100	+40%	100/15 Summer				52.154
S3.000	S8	240 Winter	100	+40%	100/15 Summer				52.153
S1.006	STANK	240 Winter	100	+40%	100/15 Summer				52.153
S4.000	S9	15 Summer	100	+40%					53.483
S5.000	S10	15 Summer	100	+40%					53.458
S4.001	S11	15 Summer	100	+40%	100/15 Summer				53.431
S6.000	S12	15 Summer	100	+40%					53.429
S4.002	S13	15 Summer	100	+40%	100/15 Summer				53.304
S4.003	S14	15 Summer	100	+40%	100/15 Summer				53.053
S1.007	S15	240 Winter	100	+40%	100/15 Summer				52.152
S1.008	S16	240 Winter	100	+40%					50.284

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		Surcharged	Flooded			Pipe		
	US/MH	Depth	Volume	Flow /	Overflow	Flow		Level
PN	Name	(m)	(m³)	Cap.	(l/s)	(l/s)	Status	Exceeded
S1.000	S1	0.712	0.000	0.05		0.9	FLOOD	RISK
S1.001	S2	0.806	0.000	0.06		1.3	FLOOD	RISK
S1.002	S3	0.864	0.000	0.09		4.1	FLOOD	RISK
S1.003	S4	1.017	0.000	0.14		6.2	FLOOD	RISK
S2.000	S5	-0.093	0.000	0.30		8.8		OK
S1.004	S6	1.145	0.000	0.19		8.7	SURCHARGED	
S1.005	S7	1.344	0.000	0.18		10.8	SURCHARGED	
S3.000	S8	1.405	0.000	0.00		0.1	SURCHARGED	
S1.006	STANK	1.453	0.000	0.04		2.2	SURCHARGED	
S4.000	S9	-0.067	0.000	0.59		9.5		OK
S5.000	S10	-0.092	0.000	0.31		5.4		OK
S4.001	S11	0.007	0.000	0.66		17.1	SURCHARGED	
S6.000	S12	-0.121	0.000	0.08		2.7		OK
S4.002	S13	0.190	0.000	1.40		22.9	SURCHARGED	
S4.003	S14	0.077	0.000	1.14		33.7	SURCHARGED	
S1.007	S15	1.663	0.000	0.20		3.6	SURCHARGED	
S1.008	S16	-0.124	0.000	0.07		3.6		OK