

Westlakes Engineering Ltd

Unit 2.1 , 20 Dale Street
Manchester
M1 1EZ

Date 06/12/2023 17:00
File Dale Street 5 litres re...

Innovyze

Designed by Eleni.Zachara
Checked by

Network 2020.1.3

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for Storm

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 0

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 0.360

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 18.000

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

DVD Status ON

Analysis Timestep Fine Inertia

Status ON

DTS Status ON

Profile(s) Summer and Winter

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

Return Period(s) (years) 1, 30, 100

Climate Change (%) 0, 0, 30

	US/MH		Return Climate	First (X)	First (Y)	First (Z)	Overflow	Water
PN	Name	Storm	Period Change	Surcharge	Flood	Overflow	Act.	Level (m)
1.000	S01	15 Winter	30 +0%	100/15 Summer				46.804
1.001	C01	15 Winter	30 +0%	30/15 Summer				46.804
1.002	C02	30 Summer	30 +0%					46.540

	US/MH	Depth	Volume	Flow /	Overflow	Half Drain	Pipe		Level
PN	Name	(m)	(m³)	Cap.	(l/s)	Time (mins)	Flow (l/s)	Status	Exceeded
1.000	S01	-0.196	0.000	0.05			8.4	OK	
1.001	C01	0.122	0.000	0.34			4.8	SURCHARGED	
1.002	C02	-0.091	0.000	0.32			4.9	OK	

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