

Milestone Transport Planning		Page 1
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 1_v2 SA2/1. FSR +45%CC	
Date 04/10/2023 File App I_Catchment 1 (SA2-...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	

STORM SEWER DESIGN by the Modified Rational Method

Pipe Sizes STANDARD Manhole Sizes STANDARD

Designed with Level Soffits

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	5.858	0.100	58.6	0.027	5.00	0.0	0.600	o	225	Pipe/Conduit		
1.001	51.922	1.465	35.4	0.035	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.002	34.096	0.835	40.8	0.026	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.003	17.479	0.097	180.8	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.004	34.522	0.194	177.9	0.024	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.005	52.709	1.021	51.6	0.026	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.006	3.187	0.050	63.7	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.007	3.209	0.025	128.2	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		
1.008	1.626	0.025	65.4	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit		

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	5.06	16.860	0.027	0.0	0.0	0.0	1.71	68.1	3.7
1.001	50.00	5.45	16.760	0.062	0.0	0.0	0.0	2.20	87.7	8.4
1.002	50.00	5.73	15.295	0.087	0.0	0.0	0.0	2.05	81.6	11.8
1.003	50.00	6.03	14.460	0.087	0.0	0.0	0.0	0.97	38.5	11.8
1.004	50.00	6.62	14.363	0.111	0.0	0.0	0.0	0.98	38.8	15.1
1.005	50.00	7.10	14.169	0.138	0.0	0.0	0.0	1.83	72.6	18.7
1.006	50.00	7.13	13.148	0.138	0.0	0.0	0.0	1.64	65.2	18.7
1.007	50.00	7.18	13.100	0.138	0.0	0.0	0.0	1.15	45.9	18.7
1.008	50.00	7.19	13.075	0.138	0.0	0.0	0.0	1.62	64.4	18.7

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Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall C. Level Name (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.008	14.900	13.050	0.000	0	0

Simulation Criteria for Storm

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/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	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	Profile Type	Summer
Return Period (years)	1	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.100	Storm Duration (mins)	30
Ratio R	0.350		

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Online Controls for Storm

Orifice Manhole: 8, DS/PN: 1.008, Volume (m³): 2.1

Diameter (m) 0.001 Discharge Coefficient 0.600 Invert Level (m) 13.075

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Storage Structures for Storm

Cellular Storage Manhole: 7, DS/PN: 1.007

Invert Level (m) 13.100 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.02410 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.02410

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	195.0	195.0	0.900	0.0	253.4
0.800	195.0	253.4			

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Rye Close, Fleet
Hampshire, GU51 2UY

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West Sompting
Phase 2 - Catchment 1_v2
SA2/1. FSR +45%CC

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Network 2020.1.3

Micro Drainage

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

Simulation Criteria

Areal Reduction Factor 1.000

Hot Start (mins) 0

Hot Start Level (mm) 0

Manhole Headloss Coeff (Global) 0.500

Foul Sewage per hectare (l/s) 0.000

Additional Flow - % of Total Flow 0.000

MADD Factor * 10m³/ha Storage 2.000

Inlet Coeffiecient 0.800

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

Number of Input Hydrographs 0

Number of Online Controls 1

Number of Offline Controls 0

Number of Storage Structures 1

Number of Time/Area Diagrams 0

Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100

Ratio R 0.350

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surgecharge

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

1

15 Winter

2

+0%

16.908

1.001

2

15 Winter

2

+0%

16.810

1.002

3

15 Winter

2

+0%

15.357

1.003

4

15 Winter

2

+0%

100/15 Summer

14.554

1.004

5

15 Winter

2

+0%

100/15 Summer

14.467

1.005

6

15 Winter

2

+0%

100/15 Summer

14.249

1.006

7

15 Winter

2

+0%

10/15 Summer

13.274

1.007

7

480 Winter

2

+0%

10/180 Winter

13.216

1.008

8

1440 Summer

2

+0%

10/30 Winter

13.230

Surcharged Flooded

Half Drain

Pipe

US/MH

PN

Name

Depth (m)

Volume (m³)

Flow / Cap.

Overflow (l/s)

Time (mins)

Flow (l/s)

Status

Level Exceeded

1.000

1

-0.177

0.000

0.10

4.5

OK

1.001

2

-0.175

0.000

0.11

9.2

OK

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

PN	US/MH Name	Surcharged Flooded		Flow / Overflow		Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m ³)	Cap.	(l/s)	Time (mins)	Flow (l/s)		
1.002	3	-0.163	0.000	0.17			12.8	OK	
1.003	4	-0.131	0.000	0.37			12.7	OK	
1.004	5	-0.121	0.000	0.43			15.7	OK	
1.005	6	-0.145	0.000	0.27			18.8	OK	
1.006	7	-0.099	0.000	0.60			18.8	OK	
1.007	7	-0.109	0.000	0.05		355	1.4	OK	
1.008	8	-0.070	0.000	0.00			0.0	OK	

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

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West Sompting
Phase 2 - Catchment 1_v2
SA2/1. FSR +45%CC

Designed by SRT
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Network 2020.1.3

Micro Drainage

10 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 Coeffiecient 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 0.350

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surcharge

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

1

15 Winter

10

+40%

16.930

1.001

2

15 Winter

10

+40%

16.838

1.002

3

15 Winter

10

+40%

15.395

1.003

4

15 Winter

10

+40%

100/15 Summer

14.644

1.004

5

15 Winter

10

+40%

100/15 Summer

14.577

1.005

6

15 Winter

10

+40%

100/15 Summer

14.300

1.006

7

15 Winter

10

+40%

10/15 Summer

13.410

1.007

7

600 Winter

10

+40%

10/180 Winter

13.378

1.008

8

720 Winter

10

+40%

10/30 Winter

13.438

Surcharged Flooded

Half Drain Pipe

US/MH

PN

Name

Depth (m)

Volume (m³)

Flow / Cap.

Overflow (l/s)

Time (mins)

Flow (l/s)

Status

Level Exceeded

1.000

1

-0.155

0.000

0.21

9.4

OK

1.001

2

-0.147

0.000

0.26

21.8

OK

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Innovyze	Network 2020.1.3	

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

PN	US/MH Name	Surcharged		Flooded		Half Drain		Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	Flow		
1.002	3	-0.125	0.000	0.40			30.8		OK	
1.003	4	-0.041	0.000	0.87			30.0		OK	
1.004	5	-0.011	0.000	1.00			36.5		OK	
1.005	6	-0.094	0.000	0.63			43.6		OK	
1.006	7	0.037	0.000	1.39			43.9		SURCHARGED	
1.007	7	0.053	0.000	0.04		659	1.1		SURCHARGED	
1.008	8	0.138	0.000	0.00			0.0		SURCHARGED	

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

West Sompting
Phase 2 - Catchment 1_v2
SA2/1. FSR +45%CC

Date 04/10/2023
File App I_Catchment 1 (SA2-...

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Network 2020.1.3

100 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 Coeffiecient 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 0.350

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

									Water
	US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	(m)
1.000	1	15 Winter	100	+45%					16.953
1.001	2	15 Winter	100	+45%					16.865
1.002	3	15 Winter	100	+45%					15.439
1.003	4	15 Winter	100	+45%	100/15 Summer				15.113
1.004	5	15 Winter	100	+45%	100/15 Summer				14.932
1.005	6	15 Winter	100	+45%	100/15 Summer				14.444
1.006	7	720 Winter	100	+45%	10/15 Summer				13.622
1.007	7	720 Winter	100	+45%	10/180 Winter				13.622
1.008	8	720 Winter	100	+45%	10/30 Winter				13.675

	US/MH	Depth	Volume	Flow /	Half Drain	Pipe			Level
PN	Name	(m)	(m³)	Cap.	Overflow	Time	Flow	Status	Exceeded
					(l/s)	(mins)	(l/s)		
1.000	1	-0.132	0.000	0.36			15.9	OK	
1.001	2	-0.120	0.000	0.44			37.0	OK	

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Innovyze	Network 2020.1.3	

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

PN	US/MH Name	Surcharged		Flooded		Half Drain		Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	Flow		
1.002	3	-0.081	0.000	0.68			52.1		OK	
1.003	4	0.428	0.000	1.39			47.8		SURCHARGED	
1.004	5	0.344	0.000	1.59			58.4		SURCHARGED	
1.005	6	0.050	0.000	0.94			65.7		SURCHARGED	
1.006	7	0.249	0.000	0.23			7.2		SURCHARGED	
1.007	7	0.297	0.000	0.08		1163	2.4		SURCHARGED	
1.008	8	0.375	0.000	0.00			0.0		SURCHARGED	

Milestone Transport Planning

7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

Date 04/10/2023
File Catchment 2 SA2-2 v3 FS...

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West Sompting
Phase 2 - Catchment 2 v3
SA2/2A & B - FSR +45%CC

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STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)100

M5-60 (mm)19.100

Ratio R0.350

Maximum Rainfall (mm/hr)50

Maximum Time of Concentration (mins)30

Foul Sewage (l/s/ha)0.000

Volumetric Runoff Coeff.0.750

PIMP (%)100

Add Flow / Climate Change (%)0

Minimum Backdrop Height (m)0.200

Maximum Backdrop Height (m)1.500

Min Design Depth for Optimisation (m)1.200

Min Vel for Auto Design only (m/s)1.00

Min Slope for Optimisation (1:X)500

Designed with Level Soffits

Network Design Table for Storm

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	6.339	0.040	158.5	0.000	5.00	0.0	0.600	o	225	Pipe/Conduit	
1.001	23.950	0.160	149.7	0.048	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.002	15.260	0.210	72.7	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
2.000	25.743	0.426	60.4	0.030	5.00	0.0	0.600	o	225	Pipe/Conduit	
2.001	7.662	0.130	58.9	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.003	9.421	0.055	171.3	0.019	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.004	53.601	0.397	135.0	0.044	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.005	18.269	0.146	125.1	0.024	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.006	12.216	0.057	214.3	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
3.000	1.905	0.011	173.2	0.000	5.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	5.10	13.880	0.000	0.0	0.0	0.0	1.04	41.2	0.0
1.001	50.00	5.48	13.840	0.048	0.0	0.0	0.0	1.07	42.4	6.5
1.002	50.00	5.64	13.680	0.048	0.0	0.0	0.0	1.54	61.1	6.5
2.000	50.00	5.25	14.130	0.030	0.0	0.0	0.0	1.69	67.0	4.1
2.001	50.00	5.33	13.600	0.030	0.0	0.0	0.0	1.71	67.9	4.1
1.003	50.00	5.77	13.395	0.097	0.0	0.0	0.0	1.20	84.7	13.2
1.004	50.00	6.43	13.340	0.141	0.0	0.0	0.0	1.35	95.5	19.1
1.005	50.00	6.65	12.943	0.165	0.0	0.0	0.0	1.40	99.3	22.3
1.006	50.00	6.84	12.797	0.165	0.0	0.0	0.0	1.07	75.6	22.3
3.000	50.00	5.03	12.777	0.000	0.0	0.0	0.0	1.19	84.2	0.0

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Rye Close, Fleet
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File Catchment 2 SA2-2 v3 FS...

Innovyze

West Sompting
Phase 2 - Catchment 2 v3
SA2/2A & B - FSR +45%CC

Designed by SRT
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Network 2020.1.3

Micro Drainage

Network Design Table for Storm

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
3.001	4.393	0.026	169.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.007	6.678	0.027	247.3	0.038	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.008	1.731	0.007	245.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.009	2.285	0.008	274.4	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
3.001	50.00	5.09	12.766	0.000	0.0	0.0	0.0	1.21	85.3	0.0
1.007	50.00	6.95	12.740	0.203	0.0	0.0	0.0	1.00	70.3	27.5
1.008	50.00	6.98	12.713	0.203	0.0	0.0	0.0	1.00	70.7	27.5
1.009	50.00	7.02	12.706	0.203	0.0	0.0	0.0	0.94	66.7	27.5

Simulation Criteria for Storm

Volumetric Runoff Coeff 0.750

Additional Flow - % of Total Flow 0.000

Areal Reduction Factor 1.000

MADD Factor * 10m³/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 2

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

Profile Type Summer

Return Period (years) 100

Cv (Summer) 0.750

Region England and Wales

Cv (Winter) 0.840

M5-60 (mm) 19.100

Storm Duration (mins) 30

Ratio R 0.350

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Milestone Transport Planning		Page 3
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 2 v3 SA2/2A & B - FSR +45%CC	
Date 04/10/2023 File Catchment 2 SA2-2 v3 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	
Online Controls for Storm Orifice Manhole: 14, DS/PN: 1.009, Volume (m³): 2.2 Diameter (m) 0.001 Discharge Coefficient 0.600 Invert Level (m) 12.706		
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Milestone Transport Planning		Page 4
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 2 v3 SA2/2A & B - FSR +45%CC	
Date 04/10/2023 File Catchment 2 SA2-2 v3 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	

Storage Structures for Storm

Cellular Storage Manhole: 6, DS/PN: 3.001

Invert Level (m) 12.600 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.02410 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.02410

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	136.5	136.5	0.900	0.0	180.5
0.800	136.5	180.5			

Cellular Storage Manhole: 8, DS/PN: 1.008

Invert Level (m) 12.600 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.02410 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.02410

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	162.5	162.5	0.900	0.0	212.9
0.800	162.5	212.9			

Milestone Transport Planning

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

West Sompting
Phase 2 - Catchment 2 v3
SA2/2A & B - FSR +45%CC

Date 04/10/2023
File Catchment 2 SA2-2 v3 FS...

Designed by SRT
Checked by

Innovyze

Network 2020.1.3

2 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 2

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 0.350

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

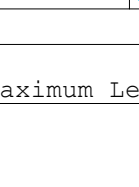
Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

	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	1	15 Winter	2	+0%					13.895
	1.001	2	15 Winter	2	+0%					13.903
	1.002	3	15 Winter	2	+0%					13.733
	2.000	2	15 Winter	2	+0%					14.173
	2.001	5	15 Winter	2	+0%					13.647
	1.003	2	15 Winter	2	+0%					13.493
	1.004	7	15 Winter	2	+0%					13.436
	1.005	3	15 Winter	2	+0%	100/15 Summer				13.049
	1.006	4	15 Winter	2	+0%	100/15 Summer				12.924
	3.000	6	15 Summer	2	+0%	100/480 Winter				12.777
	3.001	6	480 Winter	2	+0%	100/360 Winter				12.630
	1.007	5	15 Winter	2	+0%	100/15 Summer				12.884
	1.008	8	600 Winter	2	+0%	100/120 Winter				12.816
	1.009	14	480 Winter	2	+0%	100/60 Winter				12.856

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Milestone Transport Planning								Page 7
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY				West Sompting Phase 2 - Catchment 2 v3 SA2/2A & B - FSR +45%CC				
Date 04/10/2023 File Catchment 2 SA2-2 v3 FS...				Designed by SRT Checked by				
Innovyze				Network 2020.1.3				
10 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 Coeffiecient 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 2								
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 0.350								
Region England and Wales Cv (Summer) 0.750								
M5-60 (mm) 19.100 Cv (Winter) 0.840								
Margin for Flood Risk Warning (mm) 300.0								
Analysis Timestep 2.5 Second Increment (Extended)								
DTS Status ON								
DVD Status OFF								
Inertia Status OFF								
Profile(s) Summer and Winter								
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080								
Return Period(s) (years) 2, 10, 100								
Climate Change (%) 0, 40, 45								
Water								
US/MH	Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Level	
PN Name Storm Period Change Surcharge Flood Overflow Act.							(m)	
1.000 1 15 Winter 10 +40%							13.946	
1.001 2 15 Winter 10 +40%							13.946	
1.002 3 15 Winter 10 +40%							13.768	
2.000 2 15 Winter 10 +40%							14.192	
2.001 5 15 Winter 10 +40%							13.669	
1.003 2 15 Winter 10 +40%							13.557	
1.004 7 15 Winter 10 +40%							13.501	
1.005 3 15 Winter 10 +40%	100/15 Summer						13.122	
1.006 4 15 Winter 10 +40%	100/15 Summer						13.050	
3.000 6 720 Winter 10 +40%	100/480 Winter						12.869	
3.001 6 720 Winter 10 +40%	100/360 Winter						12.869	
1.007 5 15 Winter 10 +40%	100/15 Summer						13.005	
1.008 8 240 Winter 10 +40%	100/120 Winter						12.906	
1.009 14 240 Winter 10 +40%	100/60 Winter						12.959	
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Milestone Transport Planning		Page 9
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 2 v3 SA2/2A & B - FSR +45%CC	
Date 04/10/2023 File Catchment 2 SA2-2 v3 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	

100 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	2
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	0.350
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.100	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	ON
DVD Status	OFF
Inertia Status	OFF

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080
Return Period(s) (years)	2, 10, 100
Climate Change (%)	0, 40, 45

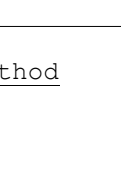
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1	15 Winter	100	+45%					13.989
1.001	2	15 Winter	100	+45%					13.989
1.002	3	15 Winter	100	+45%					13.800
2.000	2	15 Winter	100	+45%					14.212
2.001	5	15 Winter	100	+45%					13.694
1.003	2	15 Winter	100	+45%					13.673
1.004	7	15 Winter	100	+45%					13.636
1.005	3	15 Winter	100	+45%	100/15 Summer				13.351
1.006	4	15 Winter	100	+45%	100/15 Summer				13.200
3.000	6	960 Winter	100	+45%	100/480 Winter				13.100
3.001	6	960 Winter	100	+45%	100/360 Winter				13.100
1.007	5	960 Winter	100	+45%	100/15 Summer				13.101
1.008	8	960 Winter	100	+45%	100/120 Winter				13.101
1.009	14	960 Winter	100	+45%	100/60 Winter				13.209

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Milestone Transport Planning		Page 10
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 2 v3 SA2/2A & B - FSR +45%CC	
Date 04/10/2023 File Catchment 2 SA2-2 v3 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	

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

PN	US/MH Name	Depth (m)	Surcharged Volume (m³)	Flooded Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	1	-0.116	0.000	0.01		0.4	OK	
1.001	2	-0.076	0.000	0.77		29.8	OK	
1.002	3	-0.105	0.000	0.55		29.4	OK	
2.000	2	-0.143	0.000	0.28		17.5	OK	
2.001	5	-0.131	0.000	0.34		17.3	OK	
1.003	2	-0.022	0.000	0.90		55.4	OK	
1.004	7	-0.004	0.000	0.86		77.4	OK	
1.005	3	0.108	0.000	1.01		86.5	SURCHARGED	
1.006	4	0.103	0.000	1.41		86.4	SURCHARGED	
3.000	6	0.023	0.000	0.00		0.0	SURCHARGED	
3.001	6	0.034	0.000	0.01	1122	0.4	SURCHARGED	
1.007	5	0.061	0.000	0.09		4.6	SURCHARGED	
1.008	8	0.088	0.000	0.04	1119	2.4	SURCHARGED	
1.009	14	0.203	0.000	0.00		0.0	SURCHARGED	

Milestone Transport Planning										Page 1	
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY					West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC						
Date 04/10/2023					Designed by SRT						
File CATCHMENT 3 SA2-3 V2 FS...					Checked by						
Innovyze					Network 2020.1.3						

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	2	PIMP (%)	100
M5-60 (mm)	19.100	Add Flow / Climate Change (%)	0
Ratio R	0.350	Minimum Backdrop Height (m)	0.200
Maximum Rainfall (mm/hr)	50	Maximum Backdrop Height (m)	1.500
Maximum Time of Concentration (mins)	30	Min Design Depth for Optimisation (m)	1.200
Foul Sewage (l/s/ha)	0.000	Min Vel for Auto Design only (m/s)	1.00
Volumetric Runoff Coeff.	0.750	Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Network Design Table for Storm

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	21.648	0.220	98.4	0.038	5.00	0.0	0.600	o	225	Pipe/Conduit	
1.001	13.847	0.125	110.8	0.011	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.002	25.423	0.335	75.9	0.022	0.00	0.0	0.600	o	225	Pipe/Conduit	
2.000	8.547	0.115	74.3	0.047	5.00	0.0	0.600	o	225	Pipe/Conduit	
1.003	3.000	0.018	166.6	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.004	2.372	0.018	131.7	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
1.005	1.981	0.018	110.0	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	50.00	5.27	12.730	0.038	0.0	0.0	0.0	1.32	52.4	5.1
1.001	50.00	5.46	12.510	0.049	0.0	0.0	0.0	1.24	49.4	6.7
1.002	50.00	5.74	12.385	0.071	0.0	0.0	0.0	1.50	59.7	9.6
2.000	50.00	5.09	12.165	0.047	0.0	0.0	0.0	1.52	60.4	6.4
1.003	50.00	5.79	12.050	0.118	0.0	0.0	0.0	1.01	40.2	16.0
1.004	50.00	5.83	12.032	0.118	0.0	0.0	0.0	1.14	45.2	16.0
1.005	50.00	5.85	12.014	0.118	0.0	0.0	0.0	1.25	49.5	16.0

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Milestone Transport Planning		Page 2
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC	
Date 04/10/2023 File CATCHMENT 3 SA2-3 V2 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	

Free Flowing Outfall Details for Storm

Outfall Pipe Number	Outfall C. Level Name (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.005	13.540	11.996	0.000	0	0

Simulation Criteria for Storm

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 Coefficient	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	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	Profile Type	Summer
Return Period (years)	1	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.100	Storm Duration (mins)	30
Ratio R	0.350		

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Milestone Transport Planning		Page 3
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC	
Date 04/10/2023 File CATCHMENT 3 SA2-3 V2 FS...	Designed by SRT Checked by	
Innovyze	Network 2020.1.3	
Online Controls for Storm Orifice Manhole: 7, DS/PN: 1.005, Volume (m³): 1.8 Diameter (m) 0.001 Discharge Coefficient 0.600 Invert Level (m) 12.014		
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Milestone Transport Planning		Page 4																		
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY	West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC																			
Date 04/10/2023 File CATCHMENT 3 SA2-3 V2 FS...	Designed by SRT Checked by																			
Innovyze	Network 2020.1.3																			
Storage Structures for Storm Cellular Storage Manhole: 6, DS/PN: 1.004 Invert Level (m) 11.740 Safety Factor 2.0 Infiltration Coefficient Base (m/hr) 0.05760 Porosity 0.95 Infiltration Coefficient Side (m/hr) 0.05760 <table><thead><tr><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th></tr></thead><tbody><tr><td>0.000</td><td>110.0</td><td>110.0</td><td>0.900</td><td>0.0</td><td>150.8</td></tr><tr><td>0.800</td><td>110.0</td><td>150.8</td><td></td><td></td><td></td></tr></tbody></table>			Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)	0.000	110.0	110.0	0.900	0.0	150.8	0.800	110.0	150.8			
Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)															
0.000	110.0	110.0	0.900	0.0	150.8															
0.800	110.0	150.8																		
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Milestone Transport Planning

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

Date 04/10/2023
File CATCHMENT 3 SA2-3 V2 FS...

Innovyze

West Sompting
Phase 2 - Catchment 3 v2
SA2/3 FEH +40%CC

Designed by SRT
Checked by

Network 2020.1.3

Micro
Drainage

2 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 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 0.350

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100

Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5

Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surge

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

1

15 Winter

2

+0%

12.784

1.001

2

15 Winter

2

+0%

12.575

1.002

3

15 Winter

2

+0%

100/15 Winter

12.452

2.000

4

15 Winter

2

+0%

100/15 Summer

12.226

1.003

4

15 Winter

2

+0%

10/15 Summer

12.186

1.004

6

240 Winter

2

+0%

100/120 Winter

11.882

1.005

7

15 Summer

2

+0%

100/120 Summer

12.014

Surcharged Flooded

Half Drain Pipe

US/MH

PN

Name

Depth (m)

Volume (m³)

Flow / Cap.

Overflow (l/s)

Time (mins)

Flow (l/s)

Status

Level Exceeded

1.000

1

-0.171

0.000

0.13

6.2

OK

1.001

2

-0.160

0.000

0.18

7.7

OK

1.002

3

-0.158

0.000

0.20

10.8

OK

2.000

4

-0.164

0.000

0.16

7.7

OK

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Milestone Transport Planning							Page 6	
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY				West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC				
Date 04/10/2023 File CATCHMENT 3 SA2-3 V2 FS...				Designed by SRT Checked by				
Innovyze				Network 2020.1.3				
<u>2 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for Storm</u>								
		Surcharged Flooded		Half Drain		Pipe		
	US/MH	Depth	Volume	Flow / Overflow	Time	Flow		Level
PN	Name	(m)	(m³)	Cap.	(l/s)	(mins)	(l/s)	Status Exceeded
1.003	4	-0.089	0.000	0.68			18.3	OK
1.004	6	-0.375	0.000	0.00		177	0.0	OK
1.005	7	-0.225	0.000	0.00			0.0	OK

Milestone Transport Planning

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

Date 04/10/2023
File CATCHMENT 3 SA2-3 V2 FS...

Innovyze

West Sompting
Phase 2 - Catchment 3 v2
SA2/3 FEH +40%CC

Designed by SRT
Checked by

Network 2020.1.3

Micro
Drainage

10 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 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 0.350

Region England and Wales Cv (Summer) 0.750

M5-60 (mm) 19.100 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0

Analysis Timestep 2.5 Second Increment (Extended)

DTS Status ON

DVD Status OFF

Inertia Status OFF

Profile(s) Summer and Winter

Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880, 4320, 5760, 7200, 8640, 10080

Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surge

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

1

15 Winter

10

+40%

12.810

1.001

2

15 Winter

10

+40%

12.609

1.002

3

15 Winter

10

+40%

100/15 Winter

12.492

2.000

4

15 Winter

10

+40%

100/15 Summer

12.348

1.003

4

15 Winter

10

+40%

10/15 Summer

12.329

1.004

6

360 Winter

10

+40%

100/120 Winter

12.089

1.005

7

360 Winter

10

+40%

100/120 Summer

12.099

Surcharged Flooded

Half Drain Pipe

US/MH

PN

Name

Depth (m)

Volume (m³)

Flow / Cap.

Overflow (l/s)

Time (mins)

Pipe Flow (l/s)

Status

Level Exceeded

1.000

1

-0.145

0.000

0.27

12.9

OK

1.001

2

-0.126

0.000

0.39

16.9

OK

1.002

3

-0.118

0.000

0.44

24.4

OK

2.000

4

-0.042

0.000

0.33

15.8

OK

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Milestone Transport Planning							Page 8	
7 Ancells Court Rye Close, Fleet Hampshire, GU51 2UY				West Sompting Phase 2 - Catchment 3 v2 SA2/3 FEH +40%CC				
Date 04/10/2023 File CATCHMENT 3 SA2-3 V2 FS...				Designed by SRT Checked by				
Innovyze				Network 2020.1.3				
10 year Return Period Summary of Critical Results by Maximum Level (Rank 1) <u>for Storm</u>								

Milestone Transport Planning

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7 Ancells Court
Rye Close, Fleet
Hampshire, GU51 2UY

West Sompting
Phase 2 - Catchment 3 v2
SA2/3 FEH +40%CC

Date 04/10/2023
File CATCHMENT 3 SA2-3 V2 FS...

Designed by SRT
Checked by

Innovyze

Network 2020.1.3

Micro Drainage

100 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 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

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Cv (Winter) 0.840

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Return Period(s) (years) 2, 10, 100

Climate Change (%) 0, 40, 45

US/MH

PN

Name

Storm

Return Period

Climate Change

First (X) Surge

First (Y) Flood

First (Z) Overflow

Overflow Act.

Water Level (m)

1.000

1

15 Winter

100

+45%

12.838

1.001

2

15 Winter

100

+45%

12.674

1.002

3

15 Winter

100

+45%

100/15 Winter

12.624

2.000

4

15 Winter

100

+45%

100/15 Summer

12.491

1.003

4

15 Winter

100

+45%

10/15 Summer

12.459

1.004

6

480 Winter

100

+45%

100/120 Winter

12.398

1.005

7

480 Winter

100

+45%

100/120 Summer

12.423

Surcharged Flooded

Half Drain Pipe

US/MH

PN

Name

Depth (m)

Volume (m³)

Flow / Cap.

Overflow (l/s)

Time (mins)

Flow (l/s)

Status

Level Exceeded

1.000

1

-0.117

0.000

0.46

22.0

OK

1.001

2

-0.061

0.000

0.64

27.3

OK

1.002

3

0.014

0.000

0.70

38.6

SURCHARGED

2.000

4

0.101

0.000

0.55

26.4

SURCHARGED

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