STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for PARCEL B_SW

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	30	PIMP (%)	100
M5-60 (mm)	19.000	Add Flow / Climate Change (%)	0
Ratio R	0.272	Minimum Backdrop Height (m)	0.600
Maximum Rainfall (mm/hr)	50	Maximum Backdrop Height (m)	3.000
Maximum Time of Concentration (mins)	30	Min Design Depth for Optimisation (m)	1.000
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 PARCEL B_SW

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	35.427	0.089	398.1	0.206	5.00	0.0	0.600	o	1200	Pipe/Conduit	
1.001	22.934	0.057	402.4	0.042	0.00	0.0	0.600	o	1200	Pipe/Conduit	
1.002	45.250	0.141	320.9	0.112	0.00	0.0	0.600	o	1200	Pipe/Conduit	
2.000	11.059	0.028	395.0	0.000	5.00	0.0	0.600	o	1200	Pipe/Conduit	
1.003	8.243	0.048	171.7	0.066	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.004	40.429	0.264	153.0	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
3.000	5.738	0.048	120.0	0.000	5.00	0.0	0.600	o	225	Pipe/Conduit	
1.005	66.406	0.459	144.7	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
1.006	2.580	0.020	130.0	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)
1.000	50.00	5.32	57.734	0.206	0.0	0.0	0.0	1.87	2113.8	27.9
1.001	50.00	5.52	57.645	0.248	0.0	0.0	0.0	1.86	2102.4	33.6
1.002	50.00	5.88	57.588	0.360	0.0	0.0	0.0	2.08	2355.8	48.7
2.000	50.00	5.10	57.475	0.000	0.0	0.0	0.0	1.88	2122.1	0.0
1.003	50.00	6.00	57.447	0.426	0.0	0.0	0.0	1.20	84.6	57.7
1.004	50.00	6.53	57.399	0.426	0.0	0.0	0.0	1.27	89.7	57.7
3.000	50.00	5.08	57.258	0.000	0.0	0.0	0.0	1.19	47.4	0.0
1.005	50.00	7.38	57.135	0.426	0.0	0.0	0.0	1.31	92.2	57.7
1.006	50.00	7.41	56.676	0.426	0.0	0.0	0.0	1.38	97.4	57.7

Manhole Schedules for PARCEL B SW

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	Pipe Out PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Back (m)
S2	61.279	3.545	Open Manhole	2700	1.000	57.734	1200				
S3	61.670	4.025	Open Manhole	2700	1.001	57.645	1200	1.000	57.645	1200	
S5	61.506	3.918	Open Manhole	2700	1.002	57.588	1200	1.001	57.588	1200	
4	60.600	3.125	Open Manhole	2700	2.000	57.475	1200				
S6 HYDROBRAKE	60.462	3.015	Open Manhole	3000	1.003	57.447	300	1.002	57.447	1200	
								2.000	57.447	1200	
S7	60.510	3.111	Open Manhole	1200	1.004	57.399	300	1.003	57.399	300	
S8	58.683	1.425	Open Manhole	1200	3.000	57.258	225				
S9	58.901	1.766	Open Manhole	1200	1.005	57.135	300	1.004	57.135	300	
								3.000	57.210	225	
S10	59.145	2.469	Open Manhole	1200	1.006	56.676	300	1.005	56.676	300	
EX MH5312	59.136	2.480	Open Manhole	225		OUTFALL		1.006	56.656	300	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S2	372624.676	437197.896	372624.676	437197.896	Required	
S3	372632.424	437232.465	372632.424	437232.465	Required	
S5	372637.215	437254.893	372637.215	437254.893	Required	
4	372649.360	437309.876	372649.360	437309.876	Required	
S6 HYDROBRAKE	372646.973	437299.078	372646.973	437299.078	Required	
S7	372655.022	437297.300	372655.022	437297.300	Required	
S8	372663.744	437342.597	372663.744	437342.597	Required	
S9	372662.065	437337.111	372662.065	437337.111	Required	

Manhole Schedules for PARCEL B SW

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S10	372598.526	437356.415	372598.526	437356.415	Required	
EX MH5312	372596.970	437354.358			No Entry	

PIPELINE SCHEDULES for PARCEL B_SW

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
1.000	o	1200	S2	61.279	57.734	2.345	Open Manhole	2700
1.001	o	1200	S3	61.670	57.645	2.825	Open Manhole	2700
1.002	o	1200	S5	61.506	57.588	2.718	Open Manhole	2700
2.000	o	1200	4	60.600	57.475	1.925	Open Manhole	2700
1.003	o	300	S6 HYDROBRAKE	60.462	57.447	2.715	Open Manhole	3000
1.004	o	300	S7	60.510	57.399	2.811	Open Manhole	1200
3.000	o	225	S8	58.683	57.258	1.200	Open Manhole	1200
1.005	o	300	S9	58.901	57.135	1.466	Open Manhole	1200
1.006	o	300	S10	59.145	56.676	2.169	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
1.000	35.427	398.1	S3	61.670	57.645	2.825	Open Manhole	2700
1.001	22.934	402.4	S5	61.506	57.588	2.718	Open Manhole	2700
1.002	45.250	320.9	S6 HYDROBRAKE	60.462	57.447	1.815	Open Manhole	3000
2.000	11.059	395.0	S6 HYDROBRAKE	60.462	57.447	1.815	Open Manhole	3000
1.003	8.243	171.7	S7	60.510	57.399	2.811	Open Manhole	1200
1.004	40.429	153.0	S9	58.901	57.135	1.466	Open Manhole	1200
3.000	5.738	120.0	S9	58.901	57.210	1.466	Open Manhole	1200
1.005	66.406	144.7	S10	59.145	56.676	2.169	Open Manhole	1200
1.006	2.580	130.0	EX MH5312	59.136	56.656	2.180	Open Manhole	225

Surcharged Outfall Details for PARCEL B_SW

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.006	EX MH5312	59.136	56.656	56.500	225	0

Datum (m) 0.000 Offset (mins) 0

Surcharged Outfall Details for PARCEL B_SW

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
5	1.000	15	1.000	25	1.000	35	1.000	45	1.000	55	1.000
10	1.000	20	1.000	30	1.000	40	1.000	50	1.000	60	1.000

Simulation Criteria for PARCEL B_SW

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	4.000
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	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)	30	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.000	Storm Duration (mins)	30
Ratio R	0.272		

Online Controls for PARCEL B_SW

Hydro-Brake® Optimum Manhole: S6 HYDROBRAKE, DS/PN: 1.003, Volume (m³): 78.5

Unit Reference	MD-SHE-0124-1000-2500-1000
Design Head (m)	2.500
Design Flow (l/s)	10.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	124
Invert Level (m)	57.447
Minimum Outlet Pipe Diameter (mm)	150
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.500	10.0
Flush-Flo™	0.539	8.6
Kick-Flo®	1.107	6.8
Mean Flow over Head Range	-	8.0

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	4.4	1.200	7.1	3.000	10.9	7.000	16.3
0.200	7.4	1.400	7.6	3.500	11.7	7.500	16.9
0.300	8.1	1.600	8.1	4.000	12.5	8.000	17.4
0.400	8.5	1.800	8.6	4.500	13.2	8.500	17.9
0.500	8.6	2.000	9.0	5.000	13.9	9.000	18.4
0.600	8.6	2.200	9.4	5.500	14.5	9.500	18.9
0.800	8.3	2.400	9.8	6.000	15.2		
1.000	7.6	2.600	10.2	6.500	15.7		

Summary Wizard of 15 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	59	57.859	-1.075	0.000	0.02			28.0
1.001	S3	61	57.827	-1.018	0.000	0.02			30.1
1.002	S5	61	57.826	-0.962	0.000	0.02			36.7
2.000	4	61	57.826	-0.849	0.000	0.00			1.0
1.003	S6 HYDROBRAKE	61	57.826	0.079	0.000	0.14			8.4
1.004	S7	61	57.462	-0.237	0.000	0.10			8.3
3.000	S8	1	57.258	-0.225	0.000	0.00			0.0
1.005	S9	61	57.196	-0.238	0.000	0.09			8.3
1.006	S10	61	56.755	-0.220	0.000	0.16			8.3

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	57	57.870	-1.064	0.000	0.02			27.0
1.001	S3	57	57.869	-0.976	0.000	0.02			27.5
1.002	S5	57	57.869	-0.919	0.000	0.02			34.3
2.000	4	57	57.868	-0.807	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	57	57.868	0.121	0.000	0.14			8.5
1.004	S7	57	57.463	-0.236	0.000	0.10			8.5
3.000	S8	51	57.258	-0.225	0.000	0.00			0.0
1.005	S9	57	57.197	-0.238	0.000	0.10			8.5
1.006	S10	57	56.756	-0.220	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	53	57.895	-1.039	0.000	0.01			21.2
1.001	S3	53	57.894	-0.951	0.000	0.02			21.2
1.002	S5	53	57.894	-0.894	0.000	0.02			27.0
2.000	4	53	57.893	-0.782	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	53	57.893	0.146	0.000	0.14			8.5
1.004	S7	53	57.463	-0.236	0.000	0.10			8.5
3.000	S8	50	57.258	-0.225	0.000	0.00			0.0
1.005	S9	53	57.197	-0.238	0.000	0.10			8.5
1.006	S10	53	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 60 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	50	57.902	-1.032	0.000	0.01			15.2
1.001	S3	50	57.902	-0.943	0.000	0.01			14.9
1.002	S5	50	57.902	-0.886	0.000	0.01			19.4
2.000	4	50	57.901	-0.774	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	50	57.901	0.154	0.000	0.14			8.5
1.004	S7	50	57.463	-0.236	0.000	0.10			8.5
3.000	S8	49	57.258	-0.225	0.000	0.00			0.0
1.005	S9	50	57.197	-0.238	0.000	0.10			8.5
1.006	S10	50	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 120 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	52	57.896	-1.038	0.000	0.01			12.2
1.001	S3	52	57.896	-0.949	0.000	0.01			12.1
1.002	S5	52	57.896	-0.892	0.000	0.01			16.1
2.000	4	52	57.895	-0.780	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	52	57.895	0.148	0.000	0.14			8.5
1.004	S7	52	57.463	-0.236	0.000	0.10			8.5
3.000	S8	48	57.258	-0.225	0.000	0.00			0.0
1.005	S9	52	57.197	-0.238	0.000	0.10			8.5
1.006	S10	52	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 180 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	55	57.885	-1.049	0.000	0.01			10.4
1.001	S3	55	57.884	-0.961	0.000	0.01			10.4
1.002	S5	55	57.884	-0.904	0.000	0.01			14.1
2.000	4	55	57.883	-0.792	0.000	0.00			0.8
1.003	S6 HYDROBRAKE	55	57.883	0.136	0.000	0.14			8.5
1.004	S7	55	57.463	-0.236	0.000	0.10			8.5
3.000	S8	47	57.258	-0.225	0.000	0.00			0.0
1.005	S9	55	57.197	-0.238	0.000	0.10			8.5
1.006	S10	55	56.756	-0.220	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 240 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	60		57.857	-1.077	0.000	0.01			8.3
1.001	S3	58		57.855	-0.990	0.000	0.01			8.7
1.002	S5	58		57.855	-0.933	0.000	0.01			11.9
2.000	4	58		57.854	-0.821	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	58		57.854	0.107	0.000	0.14			8.5
1.004	S7	58		57.463	-0.236	0.000	0.10			8.5
3.000	S8	46		57.258	-0.225	0.000	0.00			0.0
1.005	S9	58		57.197	-0.238	0.000	0.10			8.5
1.006	S10	58		56.756	-0.220	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 360 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	62	57.827	-1.107	0.000	0.00			7.0
1.001	S3	62	57.824	-1.021	0.000	0.01			7.6
1.002	S5	62	57.823	-0.965	0.000	0.01			10.5
2.000	4	62	57.823	-0.852	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	62	57.823	0.076	0.000	0.14			8.3
1.004	S7	62	57.462	-0.237	0.000	0.10			8.3
3.000	S8	52	57.258	-0.225	0.000	0.00			0.0
1.005	S9	62	57.196	-0.238	0.000	0.09			8.3
1.006	S10	62	56.755	-0.220	0.000	0.16			8.3

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 480 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	63	57.800	-1.134	0.000	0.00			6.2
1.001	S3	63	57.794	-1.051	0.000	0.01			6.8
1.002	S5	63	57.793	-0.995	0.000	0.01			9.3
2.000	4	63	57.793	-0.882	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	63	57.793	0.046	0.000	0.13			8.2
1.004	S7	63	57.462	-0.237	0.000	0.10			8.2
3.000	S8	45	57.258	-0.225	0.000	0.00			0.0
1.005	S9	63	57.196	-0.239	0.000	0.09			8.2
1.006	S10	63	56.755	-0.221	0.000	0.16			8.2

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 600 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	65	57.781	-1.153	0.000	0.00			5.6
1.001	S3	65	57.768	-1.077	0.000	0.00			6.4
1.002	S5	65	57.766	-1.022	0.000	0.01			8.8
2.000	4	65	57.765	-0.910	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	65	57.766	0.019	0.000	0.13			8.1
1.004	S7	65	57.462	-0.237	0.000	0.10			8.1
3.000	S8	43	57.258	-0.225	0.000	0.00			0.0
1.005	S9	65	57.196	-0.239	0.000	0.09			8.1
1.006	S10	65	56.754	-0.221	0.000	0.16			8.1

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 720 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	68	57.762	-1.172	0.000	0.00			4.7
1.001	S3	68	57.724	-1.121	0.000	0.00			5.5
1.002	S5	68	57.719	-1.069	0.000	0.00			7.7
2.000	4	68	57.716	-0.959	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	68	57.716	-0.031	0.000	0.13			7.8
1.004	S7	68	57.460	-0.239	0.000	0.09			7.8
3.000	S8	42	57.258	-0.225	0.000	0.00			0.0
1.005	S9	68	57.195	-0.240	0.000	0.09			7.8
1.006	S10	68	56.752	-0.223	0.000	0.15			7.8

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 960 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 2 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	70	57.752	-1.182	0.000	0.00			3.7
1.001	S3	70	57.682	-1.163	0.000	0.00			4.4
1.002	S5	70	57.662	-1.126	0.000	0.00			6.3
2.000	4	70	57.651	-1.024	0.000	0.00			0.1
1.003	S6 HYDROBRAKE	70	57.651	-0.096	0.000	0.12			7.2
1.004	S7	70	57.458	-0.241	0.000	0.09			7.2
3.000	S8	41	57.258	-0.225	0.000	0.00			0.0
1.005	S9	70	57.191	-0.243	0.000	0.08			7.2
1.006	S10	70	56.749	-0.227	0.000	0.14			7.2

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 2 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 15 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	44	57.999	-0.935	0.000	0.03			51.2
1.001	S3	44	57.998	-0.847	0.000	0.04			49.5
1.002	S5	44	57.998	-0.790	0.000	0.04			63.9
2.000	4	44	57.997	-0.678	0.000	0.00			0.4
1.003	S6 HYDROBRAKE	44	57.997	0.250	0.000	0.14			8.6
1.004	S7	18	57.463	-0.236	0.000	0.10			8.6
3.000	S8	40	57.258	-0.225	0.000	0.00			0.0
1.005	S9	33	57.197	-0.237	0.000	0.10			8.6
1.006	S10	21	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	40	58.090	-0.844	0.000	0.03			48.3
1.001	S3	40	58.089	-0.756	0.000	0.03			37.9
1.002	S5	40	58.089	-0.699	0.000	0.03			50.2
2.000	4	40	58.088	-0.587	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	40	58.088	0.341	0.000	0.14			8.6
1.004	S7	40	57.463	-0.236	0.000	0.10			8.6
3.000	S8	39	57.258	-0.225	0.000	0.00			0.0
1.005	S9	37	57.197	-0.237	0.000	0.10			8.6
1.006	S10	36	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	34	58.161	-0.773	0.000	0.03			37.8
1.001	S3	34	58.161	-0.684	0.000	0.02			27.1
1.002	S5	34	58.160	-0.628	0.000	0.02			35.1
2.000	4	34	58.159	-0.516	0.000	0.00			0.4
1.003	S6 HYDROBRAKE	34	58.159	0.412	0.000	0.14			8.6
1.004	S7	19	57.463	-0.236	0.000	0.10			8.6
3.000	S8	38	57.258	-0.225	0.000	0.00			0.0
1.005	S9	29	57.197	-0.237	0.000	0.10			8.6
1.006	S10	32	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 60 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	31	58.198	-0.736	0.000	0.02			26.7
1.001	S3	31	58.197	-0.648	0.000	0.01			19.2
1.002	S5	31	58.197	-0.591	0.000	0.01			25.6
2.000	4	31	58.196	-0.479	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	31	58.196	0.449	0.000	0.14			8.6
1.004	S7	28	57.463	-0.236	0.000	0.10			8.6
3.000	S8	44	57.258	-0.225	0.000	0.00			0.0
1.005	S9	31	57.197	-0.237	0.000	0.10			8.6
1.006	S10	25	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 120 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	30	58.200	-0.734	0.000	0.01			21.4
1.001	S3	30	58.200	-0.645	0.000	0.01			15.9
1.002	S5	30	58.200	-0.588	0.000	0.01			21.2
2.000	4	30	58.198	-0.477	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	30	58.199	0.452	0.000	0.14			8.6
1.004	S7	34	57.463	-0.236	0.000	0.10			8.6
3.000	S8	53	57.258	-0.225	0.000	0.00			0.0
1.005	S9	24	57.197	-0.237	0.000	0.10			8.6
1.006	S10	35	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 180 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	32	58.193	-0.741	0.000	0.01			18.0
1.001	S3	32	58.193	-0.652	0.000	0.01			13.8
1.002	S5	32	58.192	-0.596	0.000	0.01			18.6
2.000	4	32	58.191	-0.484	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	32	58.191	0.444	0.000	0.14			8.6
1.004	S7	24	57.463	-0.236	0.000	0.10			8.6
3.000	S8	54	57.258	-0.225	0.000	0.00			0.0
1.005	S9	34	57.197	-0.237	0.000	0.10			8.6
1.006	S10	23	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 240 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	33	58.168	-0.766	0.000	0.01			14.0
1.001	S3	33	58.168	-0.677	0.000	0.01			11.5
1.002	S5	33	58.168	-0.620	0.000	0.01			15.5
2.000	4	33	58.166	-0.509	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	33	58.167	0.420	0.000	0.14			8.6
1.004	S7	27	57.463	-0.236	0.000	0.10			8.6
3.000	S8	55	57.258	-0.225	0.000	0.00			0.0
1.005	S9	14	57.197	-0.237	0.000	0.10			8.6
1.006	S10	20	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 360 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	37	58.136	-0.798	0.000	0.01			11.6
1.001	S3	37	58.136	-0.709	0.000	0.01			10.0
1.002	S5	37	58.136	-0.652	0.000	0.01			13.5
2.000	4	37	58.135	-0.540	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	37	58.135	0.388	0.000	0.14			8.6
1.004	S7	26	57.463	-0.236	0.000	0.10			8.6
3.000	S8	70	57.258	-0.225	0.000	0.00			0.0
1.005	S9	13	57.197	-0.237	0.000	0.10			8.6
1.006	S10	19	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 480 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	38	58.102	-0.832	0.000	0.01			10.1
1.001	S3	38	58.101	-0.744	0.000	0.01			9.1
1.002	S5	38	58.101	-0.687	0.000	0.01			12.3
2.000	4	38	58.100	-0.575	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	38	58.100	0.353	0.000	0.14			8.6
1.004	S7	16	57.463	-0.236	0.000	0.10			8.6
3.000	S8	69	57.258	-0.225	0.000	0.00			0.0
1.005	S9	26	57.197	-0.237	0.000	0.10			8.6
1.006	S10	13	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 600 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	41	58.066	-0.868	0.000	0.01			8.9
1.001	S3	41	58.066	-0.779	0.000	0.01			8.3
1.002	S5	41	58.065	-0.723	0.000	0.01			11.5
2.000	4	41	58.064	-0.611	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	41	58.064	0.317	0.000	0.14			8.6
1.004	S7	23	57.463	-0.236	0.000	0.10			8.6
3.000	S8	68	57.258	-0.225	0.000	0.00			0.0
1.005	S9	11	57.197	-0.237	0.000	0.10			8.6
1.006	S10	16	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 720 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	45	57.996	-0.938	0.000	0.01			7.5
1.001	S3	45	57.996	-0.849	0.000	0.01			7.7
1.002	S5	45	57.995	-0.793	0.000	0.01			10.4
2.000	4	45	57.994	-0.681	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	45	57.994	0.247	0.000	0.14			8.6
1.004	S7	13	57.463	-0.236	0.000	0.10			8.6
3.000	S8	67	57.258	-0.225	0.000	0.00			0.0
1.005	S9	12	57.197	-0.237	0.000	0.10			8.6
1.006	S10	11	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 960 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 30 year Summer I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	56	57.877	-1.057	0.000	0.00			5.8
1.001	S3	56	57.876	-0.969	0.000	0.00			6.3
1.002	S5	56	57.876	-0.912	0.000	0.01			8.9
2.000	4	56	57.875	-0.800	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	56	57.875	0.128	0.000	0.14			8.5
1.004	S7	56	57.463	-0.236	0.000	0.10			8.5
3.000	S8	66	57.258	-0.225	0.000	0.00			0.0
1.005	S9	56	57.197	-0.238	0.000	0.10			8.5
1.006	S10	56	56.756	-0.220	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 30 year Summer I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 15 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	26	58.274	-0.660	0.000	0.06			92.3
1.001	S3	26	58.273	-0.572	0.000	0.05			67.5
1.002	S5	26	58.273	-0.515	0.000	0.05			88.7
2.000	4	26	58.271	-0.404	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	26	58.271	0.524	0.000	0.14			8.6
1.004	S7	44	57.463	-0.236	0.000	0.10			8.6
3.000	S8	65	57.258	-0.225	0.000	0.00			0.0
1.005	S9	41	57.197	-0.237	0.000	0.10			8.6
1.006	S10	38	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	22	58.482	-0.452	0.000	0.06			88.1
1.001	S3	22	58.481	-0.364	0.000	0.04			53.6
1.002	S5	22	58.481	-0.307	0.000	0.04			70.8
2.000	4	22	58.478	-0.197	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	22	58.478	0.731	0.000	0.14			8.6
1.004	S7	43	57.463	-0.236	0.000	0.10			8.6
3.000	S8	64	57.258	-0.225	0.000	0.00			0.0
1.005	S9	45	57.197	-0.237	0.000	0.10			8.6
1.006	S10	44	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	18	58.759	-0.175	0.000	0.05			71.7
1.001	S3	18	58.758	-0.087	0.000	0.03			42.9
1.002	S5	18	58.755	-0.033	0.000	0.03			55.9
2.000	4	18	58.741	0.066	0.000	0.00			0.4
1.003	S6 HYDROBRAKE	18	58.741	0.994	0.000	0.14			8.6
1.004	S7	41	57.463	-0.236	0.000	0.10			8.6
3.000	S8	63	57.258	-0.225	0.000	0.00			0.0
1.005	S9	43	57.197	-0.237	0.000	0.10			8.6
1.006	S10	43	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	SURCHARGED

Summary Wizard of 60 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	12	59.223	0.289	0.000	0.03			51.2
1.001	S3	12	59.223	0.378	0.000	0.02			30.5
1.002	S5	12	59.223	0.435	0.000	0.02			40.2
2.000	4	12	59.223	0.548	0.000	0.00			1.4
1.003	S6 HYDROBRAKE	12	59.223	1.476	0.000	0.14			8.6
1.004	S7	36	57.463	-0.236	0.000	0.10			8.6
3.000	S8	62	57.258	-0.225	0.000	0.00			0.0
1.005	S9	36	57.197	-0.237	0.000	0.10			8.6
1.006	S10	37	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 120 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	9	59.365	0.431	0.000	0.03			40.4
1.001	S3	9	59.365	0.520	0.000	0.02			24.5
1.002	S5	9	59.365	0.577	0.000	0.02			32.3
2.000	4	9	59.365	0.690	0.000	0.00			1.4
1.003	S6 HYDROBRAKE	9	59.365	1.618	0.000	0.14			8.8
1.004	S7	9	57.464	-0.235	0.000	0.11			8.8
3.000	S8	61	57.258	-0.225	0.000	0.00			0.0
1.005	S9	9	57.198	-0.237	0.000	0.10			8.8
1.006	S10	9	56.758	-0.218	0.000	0.17			8.8

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 180 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	8		59.381	0.447	0.000	0.02			33.7
1.001	S3	8		59.381	0.536	0.000	0.02			20.9
1.002	S5	8		59.381	0.593	0.000	0.02			27.4
2.000	4	8		59.381	0.706	0.000	0.00			1.4
1.003	S6 HYDROBRAKE	8		59.381	1.634	0.000	0.14			8.8
1.004	S7	8		57.464	-0.235	0.000	0.11			8.8
3.000	S8	60		57.258	-0.225	0.000	0.00			0.0
1.005	S9	8		57.198	-0.237	0.000	0.10			8.8
1.006	S10	8		56.758	-0.218	0.000	0.17			8.8

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 240 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	10	59.347	0.413	0.000	0.02			25.9
1.001	S3	10	59.347	0.502	0.000	0.01			16.9
1.002	S5	10	59.347	0.559	0.000	0.01			22.3
2.000	4	10	59.347	0.672	0.000	0.00			1.0
1.003	S6 HYDROBRAKE	10	59.347	1.600	0.000	0.14			8.8
1.004	S7	10	57.464	-0.235	0.000	0.11			8.8
3.000	S8	59	57.258	-0.225	0.000	0.00			0.0
1.005	S9	10	57.198	-0.237	0.000	0.10			8.8
1.006	S10	10	56.758	-0.218	0.000	0.17			8.8

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 360 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	11	59.265	0.331	0.000	0.01			21.3
1.001	S3	11	59.265	0.420	0.000	0.01			14.5
1.002	S5	11	59.265	0.477	0.000	0.01			19.3
2.000	4	11	59.265	0.590	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	11	59.265	1.518	0.000	0.14			8.6
1.004	S7	14	57.463	-0.236	0.000	0.10			8.6
3.000	S8	58	57.258	-0.225	0.000	0.00			0.0
1.005	S9	30	57.197	-0.237	0.000	0.10			8.6
1.006	S10	26	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 480 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2		13	59.152	0.218	0.000	0.01			18.3
1.001	S3		13	59.152	0.307	0.000	0.01			12.9
1.002	S5		13	59.152	0.364	0.000	0.01			17.3
2.000	4		13	59.152	0.477	0.000	0.00			1.1
1.003	S6 HYDROBRAKE		13	59.152	1.405	0.000	0.14			8.6
1.004	S7		17	57.463	-0.236	0.000	0.10			8.6
3.000	S8		57	57.258	-0.225	0.000	0.00			0.0
1.005	S9		32	57.197	-0.237	0.000	0.10			8.6
1.006	S10		22	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 600 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	16	59.028	0.094	0.000	0.01				16.2
1.001	S3	16	59.028	0.183	0.000	0.01				11.9
1.002	S5	16	59.028	0.240	0.000	0.01				15.9
2.000	4	16	59.028	0.353	0.000	0.00				1.1
1.003	S6 HYDROBRAKE	16	59.028	1.281	0.000	0.14				8.6
1.004	S7	33	57.463	-0.236	0.000	0.10				8.6
3.000	S8	56	57.258	-0.225	0.000	0.00				0.0
1.005	S9	21	57.197	-0.237	0.000	0.10				8.6
1.006	S10	30	56.757	-0.219	0.000	0.16				8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 720 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 100 year Summer I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	17	58.843	-0.091	0.000	0.01			13.3
1.001	S3	17	58.841	-0.004	0.000	0.01			10.3
1.002	S5	17	58.830	0.042	0.000	0.01			13.9
2.000	4	17	58.830	0.155	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	17	58.830	1.083	0.000	0.14			8.6
1.004	S7	31	57.463	-0.236	0.000	0.10			8.6
3.000	S8	37	57.258	-0.225	0.000	0.00			0.0
1.005	S9	22	57.197	-0.237	0.000	0.10			8.6
1.006	S10	29	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 960 minute 100 year Summer I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 100 year Summer I+45% for PARCEL B SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	20	58.582	-0.352	0.000	0.01			10.0
1.001	S3	20	58.582	-0.263	0.000	0.01			8.5
1.002	S5	20	58.581	-0.207	0.000	0.01			11.7
2.000	4	20	58.578	-0.097	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	20	58.578	0.831	0.000	0.14			8.6
1.004	S7	15	57.463	-0.236	0.000	0.10			8.6
3.000	S8	36	57.258	-0.225	0.000	0.00			0.0
1.005	S9	27	57.197	-0.237	0.000	0.10			8.6
1.006	S10	18	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 100 year Summer I+45% for PARCEL B SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 15 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	58	57.862	-1.072	0.000	0.02			29.3
1.001	S3	59	57.852	-0.993	0.000	0.02			31.4
1.002	S5	59	57.852	-0.936	0.000	0.02			38.6
2.000	4	59	57.851	-0.824	0.000	0.00			0.9
1.003	S6 HYDROBRAKE	59	57.851	0.104	0.000	0.14			8.4
1.004	S7	59	57.463	-0.236	0.000	0.10			8.4
3.000	S8	35	57.258	-0.225	0.000	0.00			0.0
1.005	S9	59	57.197	-0.238	0.000	0.10			8.4
1.006	S10	59	56.756	-0.220	0.000	0.16			8.4

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	51	57.901	-1.033	0.000	0.02			24.3
1.001	S3	51	57.900	-0.945	0.000	0.02			24.5
1.002	S5	51	57.900	-0.888	0.000	0.02			30.9
2.000	4	51	57.899	-0.776	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	51	57.899	0.152	0.000	0.14			8.5
1.004	S7	51	57.463	-0.236	0.000	0.10			8.5
3.000	S8	17	57.258	-0.225	0.000	0.00			0.0
1.005	S9	51	57.197	-0.238	0.000	0.10			8.5
1.006	S10	51	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	48	57.928	-1.006	0.000	0.01			16.9
1.001	S3	48	57.927	-0.918	0.000	0.01			16.6
1.002	S5	48	57.927	-0.861	0.000	0.01			21.6
2.000	4	48	57.926	-0.749	0.000	0.00			0.9
1.003	S6 HYDROBRAKE	48	57.926	0.179	0.000	0.14			8.6
1.004	S7	48	57.463	-0.236	0.000	0.10			8.6
3.000	S8	15	57.258	-0.225	0.000	0.00			0.0
1.005	S9	48	57.197	-0.238	0.000	0.10			8.6
1.006	S10	48	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 60 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	47	57.929	-1.005	0.000	0.01			11.3
1.001	S3	47	57.929	-0.916	0.000	0.01			11.2
1.002	S5	47	57.929	-0.859	0.000	0.01			15.0
2.000	4	47	57.928	-0.747	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	47	57.928	0.181	0.000	0.14			8.6
1.004	S7	47	57.463	-0.236	0.000	0.10			8.6
3.000	S8	14	57.258	-0.225	0.000	0.00			0.0
1.005	S9	47	57.197	-0.238	0.000	0.10			8.6
1.006	S10	47	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 120 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	49	57.912	-1.022	0.000	0.01			9.0
1.001	S3	49	57.912	-0.933	0.000	0.01			9.1
1.002	S5	49	57.912	-0.876	0.000	0.01			12.4
2.000	4	49	57.911	-0.764	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	49	57.911	0.164	0.000	0.14			8.5
1.004	S7	49	57.463	-0.236	0.000	0.10			8.5
3.000	S8	13	57.258	-0.225	0.000	0.00			0.0
1.005	S9	49	57.197	-0.238	0.000	0.10			8.5
1.006	S10	49	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 180 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	54	57.889	-1.045	0.000	0.01			7.6
1.001	S3	54	57.888	-0.957	0.000	0.01			8.0
1.002	S5	54	57.888	-0.900	0.000	0.01			11.0
2.000	4	54	57.887	-0.788	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	54	57.887	0.140	0.000	0.14			8.5
1.004	S7	54	57.463	-0.236	0.000	0.10			8.5
3.000	S8	12	57.258	-0.225	0.000	0.00			0.0
1.005	S9	54	57.197	-0.238	0.000	0.10			8.5
1.006	S10	54	56.756	-0.219	0.000	0.16			8.5

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 240 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	61	57.838	-1.096	0.000	0.00			6.1
1.001	S3	60	57.836	-1.009	0.000	0.01			6.7
1.002	S5	60	57.836	-0.952	0.000	0.01			9.4
2.000	4	60	57.835	-0.840	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	60	57.835	0.088	0.000	0.14			8.4
1.004	S7	60	57.462	-0.237	0.000	0.10			8.4
3.000	S8	11	57.258	-0.225	0.000	0.00			0.0
1.005	S9	60	57.197	-0.238	0.000	0.10			8.4
1.006	S10	60	56.756	-0.220	0.000	0.16			8.4

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 360 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	64	57.792	-1.142	0.000	0.00			5.2
1.001	S3	64	57.784	-1.061	0.000	0.00			5.9
1.002	S5	64	57.783	-1.005	0.000	0.00			8.2
2.000	4	64	57.782	-0.893	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	64	57.783	0.036	0.000	0.13			8.2
1.004	S7	64	57.462	-0.237	0.000	0.10			8.2
3.000	S8	10	57.258	-0.225	0.000	0.00			0.0
1.005	S9	64	57.196	-0.239	0.000	0.09			8.2
1.006	S10	64	56.755	-0.221	0.000	0.16			8.2

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 480 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	67	57.766	-1.168	0.000	0.00			4.5
1.001	S3	67	57.740	-1.105	0.000	0.00			5.3
1.002	S5	67	57.737	-1.051	0.000	0.00			7.5
2.000	4	67	57.735	-0.940	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	67	57.735	-0.012	0.000	0.13			7.9
1.004	S7	67	57.461	-0.238	0.000	0.10			7.9
3.000	S8	16	57.258	-0.225	0.000	0.00			0.0
1.005	S9	67	57.195	-0.240	0.000	0.09			7.9
1.006	S10	67	56.753	-0.223	0.000	0.15			7.9

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 600 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	69	57.756	-1.178	0.000	0.00			4.1
1.001	S3	69	57.705	-1.140	0.000	0.00			4.8
1.002	S5	69	57.697	-1.091	0.000	0.00			6.9
2.000	4	69	57.692	-0.983	0.000	0.00			0.2
1.003	S6 HYDROBRAKE	69	57.692	-0.055	0.000	0.12			7.6
1.004	S7	69	57.460	-0.239	0.000	0.09			7.6
3.000	S8	9	57.258	-0.225	0.000	0.00			0.0
1.005	S9	69	57.194	-0.241	0.000	0.09			7.6
1.006	S10	69	56.751	-0.224	0.000	0.15			7.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 720 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	71	57.750	-1.184	0.000	0.00			3.4
1.001	S3	71	57.677	-1.168	0.000	0.00			4.1
1.002	S5	71	57.653	-1.135	0.000	0.00			5.9
2.000	4	71	57.641	-1.034	0.000	0.00			0.1
1.003	S6 HYDROBRAKE	71	57.641	-0.106	0.000	0.11			6.9
1.004	S7	71	57.456	-0.243	0.000	0.08			6.9
3.000	S8	7	57.258	-0.225	0.000	0.00			0.0
1.005	S9	71	57.190	-0.245	0.000	0.08			6.9
1.006	S10	71	56.748	-0.228	0.000	0.13			6.9

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 960 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 2 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	72	57.746	-1.188	0.000	0.00			2.6
1.001	S3	72	57.663	-1.182	0.000	0.00			3.2
1.002	S5	72	57.620	-1.168	0.000	0.00			4.6
2.000	4	72	57.589	-1.086	0.000	0.00			0.1
1.003	S6 HYDROBRAKE	72	57.589	-0.158	0.000	0.09			5.4
1.004	S7	72	57.449	-0.250	0.000	0.07			5.4
3.000	S8	6	57.258	-0.225	0.000	0.00			0.0
1.005	S9	72	57.183	-0.252	0.000	0.06			5.4
1.006	S10	72	56.740	-0.236	0.000	0.10			5.4

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 2 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	OK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 15 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	42	58.039	-0.895	0.000	0.04			53.2
1.001	S3	42	58.039	-0.806	0.000	0.04			47.6
1.002	S5	42	58.038	-0.750	0.000	0.04			62.5
2.000	4	42	58.037	-0.638	0.000	0.00			0.4
1.003	S6 HYDROBRAKE	42	58.037	0.290	0.000	0.14			8.6
1.004	S7	25	57.463	-0.236	0.000	0.10			8.6
3.000	S8	5	57.258	-0.225	0.000	0.00			0.0
1.005	S9	35	57.197	-0.237	0.000	0.10			8.6
1.006	S10	24	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	36	58.144	-0.790	0.000	0.03			43.0
1.001	S3	36	58.143	-0.702	0.000	0.03			32.9
1.002	S5	36	58.143	-0.645	0.000	0.02			42.1
2.000	4	36	58.142	-0.533	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	36	58.142	0.395	0.000	0.14			8.6
1.004	S7	38	57.463	-0.236	0.000	0.10			8.6
3.000	S8	4	57.258	-0.225	0.000	0.00			0.0
1.005	S9	40	57.197	-0.237	0.000	0.10			8.6
1.006	S10	41	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	28	58.233	-0.701	0.000	0.02			30.5
1.001	S3	28	58.233	-0.612	0.000	0.02			21.4
1.002	S5	28	58.232	-0.556	0.000	0.02			28.4
2.000	4	28	58.231	-0.444	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	28	58.231	0.484	0.000	0.14			8.6
1.004	S7	37	57.463	-0.236	0.000	0.10			8.6
3.000	S8	3	57.258	-0.225	0.000	0.00			0.0
1.005	S9	38	57.197	-0.237	0.000	0.10			8.6
1.006	S10	40	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 60 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	24	58.277	-0.657	0.000	0.01			20.6
1.001	S3	24	58.276	-0.569	0.000	0.01			15.4
1.002	S5	24	58.276	-0.512	0.000	0.01			20.2
2.000	4	24	58.274	-0.401	0.000	0.00			0.4
1.003	S6 HYDROBRAKE	24	58.274	0.527	0.000	0.14			8.6
1.004	S7	32	57.463	-0.236	0.000	0.10			8.6
3.000	S8	2	57.258	-0.225	0.000	0.00			0.0
1.005	S9	23	57.197	-0.237	0.000	0.10			8.6
1.006	S10	28	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 120 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	25	58.276	-0.658	0.000	0.01			16.0
1.001	S3	25	58.276	-0.569	0.000	0.01			12.6
1.002	S5	25	58.275	-0.513	0.000	0.01			16.7
2.000	4	25	58.274	-0.401	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	25	58.274	0.527	0.000	0.14			8.6
1.004	S7	35	57.463	-0.236	0.000	0.10			8.6
3.000	S8	8	57.258	-0.225	0.000	0.00			0.0
1.005	S9	20	57.197	-0.237	0.000	0.10			8.6
1.006	S10	31	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 180 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	27	58.260	-0.674	0.000	0.01			13.3
1.001	S3	27	58.259	-0.586	0.000	0.01			10.9
1.002	S5	27	58.259	-0.529	0.000	0.01			14.6
2.000	4	27	58.258	-0.417	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	27	58.258	0.511	0.000	0.14			8.6
1.004	S7	29	57.463	-0.236	0.000	0.10			8.6
3.000	S8	18	57.258	-0.225	0.000	0.00			0.0
1.005	S9	25	57.197	-0.237	0.000	0.10			8.6
1.006	S10	27	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 240 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	29	58.212	-0.722	0.000	0.01			10.3
1.001	S3	29	58.212	-0.633	0.000	0.01			9.0
1.002	S5	29	58.212	-0.576	0.000	0.01			12.4
2.000	4	29	58.210	-0.465	0.000	0.00			1.0
1.003	S6 HYDROBRAKE	29	58.211	0.464	0.000	0.14			8.6
1.004	S7	20	57.463	-0.236	0.000	0.10			8.6
3.000	S8	26	57.258	-0.225	0.000	0.00			0.0
1.005	S9	28	57.197	-0.237	0.000	0.10			8.6
1.006	S10	33	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 360 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	35	58.156	-0.778	0.000	0.01			8.6
1.001	S3	35	58.156	-0.689	0.000	0.01			8.0
1.002	S5	35	58.156	-0.632	0.000	0.01			11.0
2.000	4	35	58.154	-0.521	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	35	58.154	0.407	0.000	0.14			8.6
1.004	S7	21	57.463	-0.236	0.000	0.10			8.6
3.000	S8	19	57.258	-0.225	0.000	0.00			0.0
1.005	S9	16	57.197	-0.237	0.000	0.10			8.6
1.006	S10	14	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 480 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	39	58.097	-0.837	0.000	0.00			7.4
1.001	S3	39	58.097	-0.748	0.000	0.01			7.3
1.002	S5	39	58.097	-0.691	0.000	0.01			10.1
2.000	4	39	58.096	-0.579	0.000	0.00			0.9
1.003	S6 HYDROBRAKE	39	58.096	0.349	0.000	0.14			8.6
1.004	S7	22	57.463	-0.236	0.000	0.10			8.6
3.000	S8	33	57.258	-0.225	0.000	0.00			0.0
1.005	S9	17	57.197	-0.237	0.000	0.10			8.6
1.006	S10	17	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 600 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	43	58.039	-0.895	0.000	0.00			6.6
1.001	S3	43	58.038	-0.807	0.000	0.01			6.8
1.002	S5	43	58.038	-0.750	0.000	0.01			9.5
2.000	4	43	58.037	-0.638	0.000	0.00			0.6
1.003	S6 HYDROBRAKE	43	58.037	0.290	0.000	0.14			8.6
1.004	S7	11	57.463	-0.236	0.000	0.10			8.6
3.000	S8	32	57.258	-0.225	0.000	0.00			0.0
1.005	S9	15	57.197	-0.237	0.000	0.10			8.6
1.006	S10	12	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 720 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	46	57.929	-1.005	0.000	0.00			5.5
1.001	S3	46	57.929	-0.916	0.000	0.00			6.1
1.002	S5	46	57.929	-0.859	0.000	0.00			8.6
2.000	4	46	57.928	-0.747	0.000	0.00			0.5
1.003	S6 HYDROBRAKE	46	57.928	0.181	0.000	0.14			8.6
1.004	S7	46	57.463	-0.236	0.000	0.10			8.6
3.000	S8	31	57.258	-0.225	0.000	0.00			0.0
1.005	S9	46	57.197	-0.238	0.000	0.10			8.6
1.006	S10	46	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 960 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 30 year Winter I+0% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	66	57.776	-1.158	0.000	0.00			4.3
1.001	S3	66	57.761	-1.084	0.000	0.00			5.1
1.002	S5	66	57.759	-1.029	0.000	0.00			7.2
2.000	4	66	57.758	-0.917	0.000	0.00			0.2
1.003	S6 HYDROBRAKE	66	57.758	0.011	0.000	0.13			8.1
1.004	S7	66	57.461	-0.238	0.000	0.10			8.1
3.000	S8	30	57.258	-0.225	0.000	0.00			0.0
1.005	S9	66	57.196	-0.239	0.000	0.09			8.1
1.006	S10	66	56.754	-0.222	0.000	0.15			8.1

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 30 year Winter I+0% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 15 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	23	58.346	-0.588	0.000	0.06			95.2
1.001	S3	23	58.344	-0.501	0.000	0.05			65.5
1.002	S5	23	58.343	-0.445	0.000	0.05			86.6
2.000	4	23	58.341	-0.334	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	23	58.341	0.594	0.000	0.14			8.6
1.004	S7	45	57.463	-0.236	0.000	0.10			8.6
3.000	S8	29	57.258	-0.225	0.000	0.00			0.0
1.005	S9	42	57.197	-0.237	0.000	0.10			8.6
1.006	S10	39	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 15 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 30 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	19	58.599	-0.335	0.000	0.05			80.1
1.001	S3	19	58.597	-0.248	0.000	0.04			48.3
1.002	S5	19	58.596	-0.192	0.000	0.04			62.9
2.000	4	19	58.592	-0.083	0.000	0.00			0.3
1.003	S6 HYDROBRAKE	19	58.592	0.845	0.000	0.14			8.6
1.004	S7	42	57.463	-0.236	0.000	0.10			8.6
3.000	S8	28	57.258	-0.225	0.000	0.00			0.0
1.005	S9	44	57.197	-0.237	0.000	0.10			8.6
1.006	S10	45	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 30 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 60 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	14	59.104	0.170	0.000	0.04			58.2
1.001	S3	14	59.104	0.259	0.000	0.03			34.8
1.002	S5	14	59.104	0.316	0.000	0.03			45.5
2.000	4	14	59.104	0.429	0.000	0.00			1.4
1.003	S6 HYDROBRAKE	14	59.104	1.357	0.000	0.14			8.6
1.004	S7	39	57.463	-0.236	0.000	0.10			8.6
3.000	S8	34	57.258	-0.225	0.000	0.00			0.0
1.005	S9	39	57.197	-0.237	0.000	0.10			8.6
1.006	S10	42	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 60 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 120 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	5	59.962	1.028	0.000	0.03			38.8
1.001	S3	5	59.962	1.117	0.000	0.02			23.4
1.002	S5	5	59.962	1.174	0.000	0.02			30.7
2.000	4	5	59.962	1.287	0.000	0.00			1.6
1.003	S6 HYDROBRAKE	5	59.962	2.215	0.000	0.16			10.0
1.004	S7	5	57.468	-0.231	0.000	0.12			10.0
3.000	S8	27	57.258	-0.225	0.000	0.00			0.0
1.005	S9	5	57.202	-0.233	0.000	0.11			10.0
1.006	S10	5	56.764	-0.212	0.000	0.19			10.0

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 120 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 180 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2		2	60.168	1.234	0.000	0.02			29.8
1.001	S3		2	60.168	1.323	0.000	0.01			18.5
1.002	S5		2	60.168	1.380	0.000	0.01			24.5
2.000	4		2	60.168	1.493	0.000	0.00			1.6
1.003	S6 HYDROBRAKE		2	60.168	2.421	0.000	0.17			10.3
1.004	S7		2	57.469	-0.230	0.000	0.12			10.3
3.000	S8		25	57.258	-0.225	0.000	0.00			0.0
1.005	S9		2	57.203	-0.232	0.000	0.12			10.3
1.006	S10		2	56.766	-0.210	0.000	0.20			10.3

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 180 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	FLOOD RISK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 240 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2		1	60.170	1.236	0.000	0.02			24.6
1.001	S3		1	60.170	1.325	0.000	0.01			15.8
1.002	S5		1	60.170	1.382	0.000	0.01			21.0
2.000	4		1	60.170	1.495	0.000	0.00			1.6
1.003	S6 HYDROBRAKE		1	60.170	2.423	0.000	0.17			10.3
1.004	S7		1	57.469	-0.230	0.000	0.12			10.3
3.000	S8		24	57.258	-0.225	0.000	0.00			0.0
1.005	S9		1	57.203	-0.232	0.000	0.12			10.3
1.006	S10		1	56.766	-0.210	0.000	0.20			10.3

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 240 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	FLOOD RISK
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 360 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	3	60.111	1.177	0.000	0.01			18.8
1.001	S3	3	60.111	1.266	0.000	0.01			12.9
1.002	S5	3	60.111	1.323	0.000	0.01			17.3
2.000	4	3	60.111	1.436	0.000	0.00			1.5
1.003	S6 HYDROBRAKE	3	60.111	2.364	0.000	0.17			10.2
1.004	S7	3	57.468	-0.231	0.000	0.12			10.2
3.000	S8	23	57.258	-0.225	0.000	0.00			0.0
1.005	S9	3	57.202	-0.232	0.000	0.12			10.2
1.006	S10	3	56.765	-0.210	0.000	0.20			10.2

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 360 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 480 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	4	59.965	1.031	0.000	0.01			15.5
1.001	S3	4	59.965	1.120	0.000	0.01			11.2
1.002	S5	4	59.965	1.177	0.000	0.01			15.1
2.000	4	4	59.965	1.290	0.000	0.00			1.4
1.003	S6 HYDROBRAKE	4	59.965	2.218	0.000	0.16			10.0
1.004	S7	4	57.468	-0.231	0.000	0.12			10.0
3.000	S8	22	57.258	-0.225	0.000	0.00			0.0
1.005	S9	4	57.202	-0.233	0.000	0.11			10.0
1.006	S10	4	56.764	-0.212	0.000	0.19			10.0

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 480 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 600 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm	Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2		6	59.778	0.844	0.000	0.01			13.3
1.001	S3		6	59.779	0.934	0.000	0.01			10.1
1.002	S5		6	59.779	0.991	0.000	0.01			13.7
2.000	4		6	59.779	1.104	0.000	0.00			1.1
1.003	S6 HYDROBRAKE		6	59.779	2.032	0.000	0.16			9.6
1.004	S7		6	57.466	-0.233	0.000	0.12			9.6
3.000	S8		21	57.258	-0.225	0.000	0.00			0.0
1.005	S9		6	57.200	-0.234	0.000	0.11			9.6
1.006	S10		6	56.762	-0.214	0.000	0.18			9.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 600 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 720 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	7	59.569	0.635	0.000	0.01			11.8
1.001	S3	7	59.569	0.724	0.000	0.01			9.2
1.002	S5	7	59.569	0.781	0.000	0.01			13.0
2.000	4	7	59.569	0.894	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	7	59.569	1.822	0.000	0.15			9.2
1.004	S7	7	57.465	-0.234	0.000	0.11			9.2
3.000	S8	20	57.258	-0.225	0.000	0.00			0.0
1.005	S9	7	57.199	-0.236	0.000	0.10			9.2
1.006	S10	7	56.760	-0.216	0.000	0.18			9.2

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 720 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 960 minute 100 year Winter I+45% for PARCEL B_SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	15	59.091	0.157	0.000	0.01			9.7
1.001	S3	15	59.091	0.246	0.000	0.01			8.2
1.002	S5	15	59.091	0.303	0.000	0.01			11.3
2.000	4	15	59.091	0.416	0.000	0.00			1.1
1.003	S6 HYDROBRAKE	15	59.092	1.345	0.000	0.14			8.6
1.004	S7	30	57.463	-0.236	0.000	0.10			8.6
3.000	S8	71	57.258	-0.225	0.000	0.00			0.0
1.005	S9	19	57.197	-0.237	0.000	0.10			8.6
1.006	S10	34	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	SURCHARGED
1.001	S3	SURCHARGED
1.002	S5	SURCHARGED
2.000	4	SURCHARGED

Summary Wizard of 960 minute 100 year Winter I+45% for PARCEL B_SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK

Summary Wizard of 1440 minute 100 year Winter I+45% for PARCEL B SW

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	4.000
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	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 0.257
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.900	Cv (Winter)	0.840

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, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)
1.000	S2	21	58.561	-0.373	0.000	0.00			7.4
1.001	S3	21	58.561	-0.284	0.000	0.01			6.9
1.002	S5	21	58.560	-0.228	0.000	0.01			9.7
2.000	4	21	58.558	-0.117	0.000	0.00			0.8
1.003	S6 HYDROBRAKE	21	58.558	0.811	0.000	0.14			8.6
1.004	S7	12	57.463	-0.236	0.000	0.10			8.6
3.000	S8	72	57.258	-0.225	0.000	0.00			0.0
1.005	S9	18	57.197	-0.237	0.000	0.10			8.6
1.006	S10	15	56.757	-0.219	0.000	0.16			8.6

PN	US/MH Name	Status
1.000	S2	OK
1.001	S3	OK
1.002	S5	OK
2.000	4	OK

Summary Wizard of 1440 minute 100 year Winter I+45% for PARCEL B SW

PN	US/MH Name	Status
1.003	S6 HYDROBRAKE	SURCHARGED
1.004	S7	OK
3.000	S8	OK
1.005	S9	OK
1.006	S10	OK