

JS Bloor (Wilmslow) Ltd		Page 0
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Surface Network 5

Pipe Sizes STANDARD Manhole Sizes STANDARD

FSR Rainfall Model - England and Wales

Return Period (years)	2	PIMP (%)	100
M5-60 (mm)	19.500	Add Flow / Climate Change (%)	0
Ratio R	0.413	Minimum Backdrop Height (m)	0.200
Maximum Rainfall (mm/hr)	50	Maximum Backdrop Height (m)	1.500
Maximum Time of Concentration (mins)	30	Min Design Depth for Optimisation (m)	1.200
Foul Sewage (l/s/ha)	0.000	Min Vel for Auto Design only (m/s)	1.00
Volumetric Runoff Coeff.	0.750	Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Network Design Table for Surface Network 5

« - Indicates pipe capacity < flow

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	55.915	0.565	99.0	0.098	5.00	0.0	0.600	o	375	Pipe/Conduit	
2.000	54.117	1.160	46.7	0.076	5.00	0.0	0.600	o	300	Pipe/Conduit	
1.001	12.257	0.105	116.7	0.092	0.00	0.0	0.600	o	450	Pipe/Conduit	
1.002	34.666	0.190	182.5	0.110	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.003	52.051	0.410	127.0	0.026	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.004	14.699	0.219	67.1	0.152	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.005	13.648	0.037	368.9	0.105	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.006	49.722	0.504	98.7	0.022	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.007	43.120	0.240	179.7	0.124	0.00	0.0	0.600	o	525	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	5.51	96.740	0.098	0.0	0.0	0.0	1.82	201.2	13.2
2.000	50.00	5.39	97.410	0.076	0.0	0.0	0.0	2.31	163.1	10.3
1.001	50.00	5.62	96.100	0.265	0.0	0.0	0.0	1.88	299.1	35.9
1.002	50.00	5.97	95.920	0.375	0.0	0.0	0.0	1.66	358.3	50.8
1.003	50.00	6.41	95.730	0.402	0.0	0.0	0.0	1.99	430.1	54.4
1.004	50.00	6.50	95.320	0.554	0.0	0.0	0.0	2.74	592.5	75.0
1.005	50.00	6.69	95.101	0.659	0.0	0.0	0.0	1.16	251.2	89.2
1.006	50.00	7.06	95.064	0.681	0.0	0.0	0.0	2.26	488.2	92.3
1.007	50.00	7.49	94.560	0.805	0.0	0.0	0.0	1.67	361.1	109.1

JS Bloor (Wilmslow) Ltd		Page 1
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
3.000	44.282	0.825	53.7	0.072	5.00	0.0	0.600	o	375	Pipe/Conduit	
3.001	19.072	0.140	136.2	0.093	0.00	0.0	0.600	o	450	Pipe/Conduit	
3.002	36.653	0.175	209.4	0.151	0.00	0.0	0.600	o	525	Pipe/Conduit	
3.003	14.380	0.320	44.9	0.101	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.008	27.959	0.140	199.7	0.123	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.009	21.589	0.230	93.9	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.010	25.448	0.070	363.5	0.120	0.00	0.0	0.600	o	525	Pipe/Conduit	
4.000	23.367	0.999	23.4	0.067	5.00	0.0	0.600	o	300	Pipe/Conduit	
1.011	16.716	0.040	417.9	0.026	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.012	19.123	0.035	546.4	0.051	0.00	0.0	0.600	o	600	Pipe/Conduit	
1.013	18.537	0.360	51.5	0.086	0.00	0.0	0.600	o	600	Pipe/Conduit	
5.000	45.943	0.360	127.6	0.184	5.00	0.0	0.600	o	450	Pipe/Conduit	
5.001	17.179	0.155	110.8	0.113	0.00	0.0	0.600	o	450	Pipe/Conduit	
6.000	42.376	0.457	92.8	0.072	5.00	0.0	0.600	o	300	Pipe/Conduit	
6.001	19.218	0.119	161.9	0.109	0.00	0.0	0.600	o	375	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
3.000	50.00	5.30	95.930	0.072	0.0	0.0	0.0	2.48	273.7	9.8
3.001	50.00	5.48	95.030	0.165	0.0	0.0	0.0	1.74	276.8	22.4
3.002	50.00	5.88	94.815	0.316	0.0	0.0	0.0	1.54	334.2	42.8
3.003	50.00	5.95	94.640	0.417	0.0	0.0	0.0	3.35	724.7	56.5
1.008	50.00	7.78	94.320	1.345	0.0	0.0	0.0	1.58	342.3	182.2
1.009	50.00	7.94	94.180	1.345	0.0	0.0	0.0	2.31	500.6	182.2
1.010	50.00	8.30	93.950	1.465	0.0	0.0	0.0	1.17	253.0	198.4
4.000	50.00	5.12	95.104	0.067	0.0	0.0	0.0	3.26	230.8	9.1
1.011	50.00	8.56	93.880	1.558	0.0	0.0	0.0	1.09	235.8	211.0
1.012	50.00	8.87	93.840	1.609	0.0	0.0	0.0	1.03	292.6	217.9
1.013	50.00	8.96	93.730	1.696	0.0	0.0	0.0	3.40	960.8	229.6
5.000	50.00	5.43	94.070	0.184	0.0	0.0	0.0	1.80	286.0	24.9
5.001	50.00	5.57	93.710	0.297	0.0	0.0	0.0	1.93	307.0	40.2
6.000	50.00	5.43	94.292	0.072	0.0	0.0	0.0	1.63	115.4	9.8
6.001	50.00	5.66	93.760	0.181	0.0	0.0	0.0	1.42	157.0	24.5

JS Bloor (Wilmslow) Ltd

Page 3

Dean Court
85 Adlington Road
Wilmslow SK9 1BT

Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...

Designed by d_southa
Checked by

Elstree Computing Ltd

Network 2020.1.3

Network Design Table for Surface Network 5

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
10.000	20.854	0.084	248.9	0.030	5.00	0.0	0.600	o	450	Pipe/Conduit	
10.001	10.001	0.031	320.8	0.046	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.007	20.220	0.335	60.4	0.082	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.008	36.906	0.180	205.5	0.015	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.009	28.378	0.062	455.0	0.155	0.00	0.0	0.600	o	525	Pipe/Conduit	
11.000	24.409	0.146	167.0	0.033	5.00	0.0	0.600	o	225	Pipe/Conduit	
11.001	18.487	0.078	237.9	0.041	0.00	0.0	0.600	o	300	Pipe/Conduit	
11.002	18.482	0.078	237.9	0.005	0.00	0.0	0.600	o	300	Pipe/Conduit	
12.000	50.891	0.305	167.0	0.127	5.00	0.0	0.600	o	225	Pipe/Conduit	
7.010	11.324	0.448	25.3	0.041	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.011	44.443	0.835	53.2	0.054	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.012	9.766	0.164	59.4	0.104	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.013	7.750	0.131	59.4	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.014	52.662	0.000	0.0	0.000	0.00	0.0	0.600	o	675	Pipe/Conduit	
1.018	9.903	0.050	198.1	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.019	14.831	0.150	98.9	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)
10.000	50.00	5.27	95.545	0.030	0.0	0.0	0.0	1.28	204.2	4.1
10.001	50.00	5.40	95.386	0.076	0.0	0.0	0.0	1.25	269.5	10.3
7.007	50.00	7.40	95.355	1.275	0.0	0.0	0.0	2.89	625.0	172.6
7.008	50.00	7.79	95.020	1.290	0.0	0.0	0.0	1.56	337.4	174.7
7.009	50.00	8.24	94.840	1.445	0.0	0.0	0.0	1.04	225.9	195.7
11.000	50.00	5.40	95.155	0.033	0.0	0.0	0.0	1.01	40.1	4.5
11.001	50.00	5.71	94.933	0.074	0.0	0.0	0.0	1.01	71.7	10.1
11.002	50.00	6.01	94.856	0.079	0.0	0.0	0.0	1.02	71.8	10.7
12.000	50.00	5.84	95.158	0.127	0.0	0.0	0.0	1.01	40.1	17.2
7.010	50.00	8.29	94.778	1.693	0.0	0.0	0.0	4.47	967.3	229.3
7.011	50.00	8.53	94.330	1.747	0.0	0.0	0.0	3.08	665.7	236.5
7.012	50.00	8.58	93.495	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.013	50.00	8.63	93.331	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.014	44.70	12.09	93.200	1.851	0.0	0.0	0.0	0.25	90.7<	250.6
1.018	44.53	12.17	93.200	4.411	0.0	0.0	0.0	1.98	876.9	532.0
1.019	44.21	12.33	93.150	4.411	0.0	0.0	0.0	1.58	111.8<	532.0

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd		Page 4
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Free Flowing Outfall Details for Surface Network 5

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.019	S5051 Outfall	93.800	93.000	0.000	1800	0

Simulation Criteria for Surface Network 5

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m ³ /ha	Storage 0.000
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	3
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)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.500	Storm Duration (mins)	30
Ratio R	0.400		

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd		Page 5
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Online Controls for Surface Network 5

Hydro-Brake® Optimum Manhole: S5050 Control Chamber, DS/PN: 1.019, Volume (m³): 21.5

Unit Reference	MD-SHE-0146-1240-2000-1240
Design Head (m)	2.000
Design Flow (l/s)	12.4
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	146
Invert Level (m)	93.150
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1500

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	12.4
Flush-Flo™	0.587	12.3
Kick-Flo®	1.209	9.8
Mean Flow over Head Range	-	10.8

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	5.3	1.200	9.9	3.000	15.0	7.000	22.5
0.200	10.3	1.400	10.5	3.500	16.2	7.500	23.3
0.300	11.4	1.600	11.1	4.000	17.2	8.000	24.0
0.400	12.0	1.800	11.8	4.500	18.2	8.500	24.7
0.500	12.3	2.000	12.4	5.000	19.2	9.000	25.4
0.600	12.3	2.200	13.0	5.500	20.1	9.500	26.1
0.800	12.1	2.400	13.5	6.000	20.9		
1.000	11.4	2.600	14.0	6.500	21.7		

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd		Page 6
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Storage Structures for Surface Network 5

Tank or Pond Manhole: S8135, DS/PN: 7.000

Invert Level (m) 96.165

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	30.0	1.000	60.0	1.600	75.0
0.500	50.0	1.500	70.0		

Tank or Pond Manhole: S8149, DS/PN: 7.009

Invert Level (m) 94.840

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	20.0	0.500	30.0	1.000	40.0	1.500	50.0

Tank or Pond Manhole: S5050 Control Chamber, DS/PN: 1.019

Invert Level (m) 93.150

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	2749.0	0.600	3368.8	1.200	4018.8	1.800	4697.0
0.100	2848.7	0.700	3475.2	1.300	4129.8	1.900	4812.7
0.200	2951.1	0.800	3582.3	1.400	4241.7	2.000	4929.3
0.300	3054.4	0.900	3690.3	1.500	4354.3	2.100	5046.6
0.400	3158.4	1.000	3799.0	1.600	4467.8	2.200	5164.8
0.500	3263.2	1.100	3908.5	1.700	4582.0	2.300	5283.7

JS Bloor (Wilmslow) Ltd		Page 7
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		
Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	3
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	0.413
Region England and Wales Cv (Summer)	0.750		
M5-60 (mm)	19.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	Fine	Inertia Status	OFF
DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)	Flow / Overflow Cap. (l/s)			
1.000		S8142	20	96.804	-0.311	0.000	0.07		
2.000		S8133	20	97.459	-0.251	0.000	0.06		
1.001		S8134	20	96.228	-0.322	0.000	0.18		
1.002		S8141	20	96.053	-0.392	0.000	0.14		
1.003		S8139	20	95.851	-0.404	0.000	0.12		
1.004		S8140	21	95.467	-0.378	0.000	0.17		
1.005		S4008	22	95.346	-0.280	0.000	0.44		
1.006		S4011	22	95.208	-0.381	0.000	0.17		
1.007		S4012	22	94.744	-0.341	0.000	0.26		
3.000		S8157	20	95.977	-0.328	0.000	0.04		
3.001		S8159	20	95.123	-0.357	0.000	0.09		
3.002		S8154	20	94.939	-0.401	0.000	0.12		
3.003		S8155	21	94.755	-0.410	0.000	0.11		
1.008		S5015	24	94.577	-0.268	0.000	0.48		
1.009		S5016	24	94.403	-0.302	0.000	0.37		
1.010	S5017 - PH4 Connection	24	94.341	-0.134	0.000	0.68			
4.000		S5018	20	95.144	-0.260	0.000	0.04		
1.011		S5019	24	94.296	-0.109	0.000	0.90		
1.012	S5020 PH5 Connection	24	94.249	-0.191	0.000	0.80			
1.013		S5021	35	93.934	-0.396	0.000	0.25		
5.000		S5023	20	94.162	-0.358	0.000	0.09		

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd		Page 8
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 12.6	OK
2.000		S8133 9.8	OK
1.001		S8134 32.4	OK
1.002		S8141 44.3	OK
1.003		S8139 46.1	OK
1.004		S8140 61.0	OK
1.005		S4008 71.6	OK
1.006		S4011 73.0	OK
1.007		S4012 83.3	OK
3.000		S8157 9.4	OK
3.001		S8159 19.6	OK
3.002		S8154 35.8	OK
3.003		S8155 46.9	OK
1.008		S5015 135.4	OK
1.009		S5016 134.9	OK
1.010	S5017 - PH4 Connection	139.9	OK
4.000		S5018 8.8	OK
1.011		S5019 143.2	OK
1.012	S5020 PH5 Connection	146.1	OK
1.013		S5021 151.4	OK
5.000		S5023 23.6	OK

JS Bloor (Wilmslow) Ltd		Page 9
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	37 93.832	-0.328	0.000	0.16		
6.000		S5026	20 94.352	-0.240	0.000	0.09		
6.001		S5027	35 93.862	-0.273	0.000	0.16		
5.002		S5028	39 93.789	-0.228	0.000	0.35		
1.014		S5029	39 93.782	-0.188	0.000	0.69		
1.015		S5030	39 93.728	-0.199	0.000	0.72		
1.016		S8121	41 93.672	-0.215	0.000	0.78		
1.017	S5036 - Headwall	44 93.653	-0.672	0.000	0.16			
7.000		S8135	24 96.304	-0.312	0.000	0.13		
7.001		S8136	24 96.265	-0.278	0.000	0.23		
7.002		S8137	27 96.215	-0.258	0.000	0.33		
7.003		S8161	27 96.156	-0.258	0.000	0.34		
8.000		S8151	20 96.272	-0.185	0.000	0.31		
7.004		S8162	24 96.078	-0.261	0.000	0.36		
7.005		S8152	26 95.877	-0.323	0.000	0.31		
9.000		S8144	20 96.307	-0.243	0.000	0.08		
9.001		S8145	20 96.066	-0.309	0.000	0.07		
7.006		S8146	25 95.754	-0.336	0.000	0.28		
10.000		S8165	22 95.593	-0.402	0.000	0.02		
10.001		S8164	24 95.536	-0.375	0.000	0.05		
7.007		S8147	24 95.534	-0.346	0.000	0.25		
7.008		S8150	26 95.250	-0.295	0.000	0.39		
7.009		S8149	27 95.148	-0.217	0.000	0.64		
11.000		S5037	20 95.206	-0.174	0.000	0.12		
11.001		S5038	24 95.011	-0.222	0.000	0.14		
11.002		S5039	28 94.969	-0.186	0.000	0.14		
12.000		S5040	20 95.261	-0.121	0.000	0.42		
7.010		S5041	29 94.962	-0.341	0.000	0.27		
7.011		S5042	29 94.504	-0.351	0.000	0.24		
7.012		S5047	39 93.751	-0.269	0.000	0.48		
7.013		S8167	39 93.682	-0.173	0.000	0.53		
7.014	S5048 - Headwall	42 93.664	-0.211	0.000	0.55			
1.018	S5049 - Headwall	46 93.615	-0.335	0.000	0.59			
1.019	S5050 Control Chamber	72 93.237	-0.213	0.000	0.05			

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	36.0	OK
6.000	S5026	9.4	OK
6.001	S5027	21.1	OK
5.002	S5028	59.0	OK
1.014	S5029	182.8	OK
1.015	S5030	179.6	OK
1.016	S8121	179.7	OK
1.017	S5036 - Headwall	176.8	OK*
7.000	S8135	17.9	OK

JS Bloor (Wilmslow) Ltd		Page 10
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	32.0	OK
7.002	S8137	44.7	OK
7.003	S8161	48.3	OK
8.000	S8151	18.6	OK
7.004	S8162	72.0	OK
7.005	S8152	80.1	OK
9.000	S8144	6.6	OK
9.001	S8145	14.6	OK
7.006	S8146	98.2	OK
10.000	S8165	3.9	OK
10.001	S8164	8.0	OK
7.007	S8147	112.9	OK
7.008	S8150	113.6	OK
7.009	S8149	120.2	OK
11.000	S5037	4.3	OK
11.001	S5038	8.7	OK
11.002	S5039	8.5	OK
12.000	S5040	16.2	OK
7.010	S5041	137.6	OK
7.011	S5042	141.2	OK
7.012	S5047	148.1	OK
7.013	S8167	145.6	OK
7.014	S5048 - Headwall	140.5	OK
1.018	S5049 - Headwall	296.3	OK
1.019	S5050 Control Chamber	4.2	OK

JS Bloor (Wilmslow) Ltd							Page 11																																																																																																																																																																																																																																																									
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor 1.000				Additional Flow - % of Total Flow 0.000																																																																																																																																																																																																																																																												
Hot Start (mins) 0				MADD Factor * 10m³/ha Storage 0.000																																																																																																																																																																																																																																																												
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 3																																																																																																																																																																																																																																																																
Number of Online Controls 1 Number of Time/Area Diagrams 0																																																																																																																																																																																																																																																																
Number of Offline Controls 0 Number of Real Time Controls 0																																																																																																																																																																																																																																																																
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model FSR				Ratio R 0.413																																																																																																																																																																																																																																																												
Region England and Wales Cv (Summer) 0.750																																																																																																																																																																																																																																																																
M5-60 (mm) 19.500				Cv (Winter) 0.840																																																																																																																																																																																																																																																												
Margin for Flood Risk Warning (mm) 300.0				DVD Status OFF																																																																																																																																																																																																																																																												
Analysis Timestep				Fine Inertia Status OFF																																																																																																																																																																																																																																																												
DTS 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)				1, 30, 100																																																																																																																																																																																																																																																												
Climate Change (%)				0, 0, 40																																																																																																																																																																																																																																																												
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>21</td><td>96.800</td><td>-0.315</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>21</td><td>97.456</td><td>-0.254</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>22</td><td>96.221</td><td>-0.329</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>23</td><td>96.047</td><td>-0.398</td><td>0.000</td><td>0.13</td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>23</td><td>95.847</td><td>-0.408</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>24</td><td>95.460</td><td>-0.385</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>25</td><td>95.337</td><td>-0.289</td><td>0.000</td><td>0.41</td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>25</td><td>95.204</td><td>-0.385</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>25</td><td>94.738</td><td>-0.347</td><td>0.000</td><td>0.25</td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>21</td><td>95.975</td><td>-0.330</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>23</td><td>95.118</td><td>-0.362</td><td>0.000</td><td>0.09</td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>23</td><td>94.934</td><td>-0.406</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>23</td><td>94.751</td><td>-0.414</td><td>0.000</td><td>0.10</td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>25</td><td>94.570</td><td>-0.275</td><td>0.000</td><td>0.46</td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>26</td><td>94.399</td><td>-0.306</td><td>0.000</td><td>0.35</td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>26</td><td>94.335</td><td>-0.140</td><td>0.000</td><td>0.66</td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>21</td><td>95.142</td><td>-0.262</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>26</td><td>94.288</td><td>-0.117</td><td>0.000</td><td>0.89</td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>26</td><td>94.242</td><td>-0.198</td><td>0.000</td><td>0.78</td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>37</td><td>93.932</td><td>-0.398</td><td>0.000</td><td>0.25</td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>21</td><td>94.157</td><td>-0.363</td><td>0.000</td><td>0.08</td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	21	96.800	-0.315	0.000	0.06				2.000		S8133	21	97.456	-0.254	0.000	0.06				1.001		S8134	22	96.221	-0.329	0.000	0.16				1.002		S8141	23	96.047	-0.398	0.000	0.13				1.003		S8139	23	95.847	-0.408	0.000	0.11				1.004		S8140	24	95.460	-0.385	0.000	0.16				1.005		S4008	25	95.337	-0.289	0.000	0.41				1.006		S4011	25	95.204	-0.385	0.000	0.16				1.007		S4012	25	94.738	-0.347	0.000	0.25				3.000		S8157	21	95.975	-0.330	0.000	0.03				3.001		S8159	23	95.118	-0.362	0.000	0.09				3.002		S8154	23	94.934	-0.406	0.000	0.11				3.003		S8155	23	94.751	-0.414	0.000	0.10				1.008		S5015	25	94.570	-0.275	0.000	0.46				1.009		S5016	26	94.399	-0.306	0.000	0.35				1.010	S5017 - PH4 Connection	26	94.335	-0.140	0.000	0.66					4.000		S5018	21	95.142	-0.262	0.000	0.04				1.011		S5019	26	94.288	-0.117	0.000	0.89				1.012	S5020 PH5 Connection	26	94.242	-0.198	0.000	0.78					1.013		S5021	37	93.932	-0.398	0.000	0.25				5.000		S5023	21	94.157	-0.363	0.000	0.08			
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	21	96.800	-0.315	0.000	0.06																																																																																																																																																																																																																																																									
2.000		S8133	21	97.456	-0.254	0.000	0.06																																																																																																																																																																																																																																																									
1.001		S8134	22	96.221	-0.329	0.000	0.16																																																																																																																																																																																																																																																									
1.002		S8141	23	96.047	-0.398	0.000	0.13																																																																																																																																																																																																																																																									
1.003		S8139	23	95.847	-0.408	0.000	0.11																																																																																																																																																																																																																																																									
1.004		S8140	24	95.460	-0.385	0.000	0.16																																																																																																																																																																																																																																																									
1.005		S4008	25	95.337	-0.289	0.000	0.41																																																																																																																																																																																																																																																									
1.006		S4011	25	95.204	-0.385	0.000	0.16																																																																																																																																																																																																																																																									
1.007		S4012	25	94.738	-0.347	0.000	0.25																																																																																																																																																																																																																																																									
3.000		S8157	21	95.975	-0.330	0.000	0.03																																																																																																																																																																																																																																																									
3.001		S8159	23	95.118	-0.362	0.000	0.09																																																																																																																																																																																																																																																									
3.002		S8154	23	94.934	-0.406	0.000	0.11																																																																																																																																																																																																																																																									
3.003		S8155	23	94.751	-0.414	0.000	0.10																																																																																																																																																																																																																																																									
1.008		S5015	25	94.570	-0.275	0.000	0.46																																																																																																																																																																																																																																																									
1.009		S5016	26	94.399	-0.306	0.000	0.35																																																																																																																																																																																																																																																									
1.010	S5017 - PH4 Connection	26	94.335	-0.140	0.000	0.66																																																																																																																																																																																																																																																										
4.000		S5018	21	95.142	-0.262	0.000	0.04																																																																																																																																																																																																																																																									
1.011		S5019	26	94.288	-0.117	0.000	0.89																																																																																																																																																																																																																																																									
1.012	S5020 PH5 Connection	26	94.242	-0.198	0.000	0.78																																																																																																																																																																																																																																																										
1.013		S5021	37	93.932	-0.398	0.000	0.25																																																																																																																																																																																																																																																									
5.000		S5023	21	94.157	-0.363	0.000	0.08																																																																																																																																																																																																																																																									
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

JS Bloor (Wilmslow) Ltd		Page 13
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	39 93.825	-0.335	0.000	0.15		
6.000		S5026	21 94.348	-0.244	0.000	0.08		
6.001		S5027	37 93.856	-0.279	0.000	0.15		
5.002		S5028	38 93.795	-0.222	0.000	0.31		
1.014		S5029	38 93.788	-0.182	0.000	0.70		
1.015		S5030	38 93.736	-0.191	0.000	0.72		
1.016		S8121	38 93.680	-0.207	0.000	0.78		
1.017	S5036 - Headwall	41 93.663	-0.662	0.000	0.16			
7.000		S8135	25 96.302	-0.314	0.000	0.12		
7.001		S8136	26 96.264	-0.278	0.000	0.23		
7.002		S8137	26 96.216	-0.258	0.000	0.33		
7.003		S8161	26 96.156	-0.258	0.000	0.35		
8.000		S8151	21 96.265	-0.192	0.000	0.28		
7.004		S8162	27 96.077	-0.263	0.000	0.36		
7.005		S8152	27 95.877	-0.323	0.000	0.31		
9.000		S8144	21 96.303	-0.247	0.000	0.07		
9.001		S8145	23 96.062	-0.313	0.000	0.07		
7.006		S8146	27 95.753	-0.337	0.000	0.28		
10.000		S8165	25 95.591	-0.404	0.000	0.02		
10.001		S8164	26 95.535	-0.376	0.000	0.04		
7.007		S8147	27 95.533	-0.347	0.000	0.25		
7.008		S8150	27 95.250	-0.295	0.000	0.39		
7.009		S8149	26 95.149	-0.217	0.000	0.64		
11.000		S5037	21 95.203	-0.177	0.000	0.10		
11.001		S5038	26 95.009	-0.225	0.000	0.13		
11.002		S5039	29 94.969	-0.187	0.000	0.13		
12.000		S5040	21 95.255	-0.128	0.000	0.38		
7.010		S5041	27 94.963	-0.340	0.000	0.27		
7.011		S5042	27 94.505	-0.350	0.000	0.24		
7.012		S5047	37 93.751	-0.269	0.000	0.48		
7.013		S8167	38 93.695	-0.160	0.000	0.53		
7.014	S5048 - Headwall	39 93.675	-0.200	0.000	0.56			
1.018	S5049 - Headwall	44 93.624	-0.326	0.000	0.61			
1.019	S5050 Control Chamber	70 93.262	-0.188	0.000	0.07			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	32.9	OK
6.000		S5026	8.5	OK
6.001		S5027	19.6	OK
5.002		S5028	53.1	OK
1.014		S5029	183.4	OK
1.015		S5030	180.1	OK
1.016		S8121	180.4	OK
1.017	S5036 - Headwall	181.3		OK*
7.000		S8135	17.4	OK

JS Bloor (Wilmslow) Ltd		Page 15
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3
 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 0.413
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS 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) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)		
1.000		S8142	28	96.791	-0.324	0.000	0.04		
2.000		S8133	28	97.450	-0.260	0.000	0.04		
1.001		S8134	28	96.204	-0.346	0.000	0.12		
1.002		S8141	29	96.032	-0.413	0.000	0.10		
1.003		S8139	29	95.834	-0.421	0.000	0.09		
1.004		S8140	30	95.443	-0.402	0.000	0.13		
1.005		S4008	30	95.308	-0.318	0.000	0.33		
1.006		S4011	30	95.188	-0.401	0.000	0.12		
1.007		S4012	30	94.721	-0.364	0.000	0.20		
3.000		S8157	28	95.970	-0.335	0.000	0.02		
3.001		S8159	29	95.104	-0.376	0.000	0.06		
3.002		S8154	30	94.921	-0.419	0.000	0.09		
3.003		S8155	30	94.737	-0.428	0.000	0.08		
1.008		S5015	30	94.543	-0.302	0.000	0.37		
1.009		S5016	30	94.372	-0.333	0.000	0.29		
1.010	S5017 - PH4 Connection	31	94.290	-0.185	0.000	0.55			
4.000		S5018	28	95.137	-0.267	0.000	0.03		
1.011		S5019	31	94.246	-0.159	0.000	0.74		
1.012	S5020 PH5 Connection	31	94.200	-0.240	0.000	0.66			
1.013		S5021	40	93.916	-0.414	0.000	0.21		
5.000		S5023	28	94.142	-0.378	0.000	0.06		

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd		Page 17
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	40 93.810	-0.350	0.000	0.11	
6.000		S5026	28 94.338	-0.253	0.000	0.06	
6.001		S5027	40 93.844	-0.291	0.000	0.11	
5.002		S5028	40 93.767	-0.250	0.000	0.24	
1.014		S5029	40 93.759	-0.211	0.000	0.61	
1.015		S5030	40 93.709	-0.218	0.000	0.64	
1.016		S8121	45 93.657	-0.230	0.000	0.70	
1.017	S5036 - Headwall	46 93.640	-0.685	0.000	0.15		
7.000		S8135	31 96.286	-0.330	0.000	0.10	
7.001		S8136	31 96.248	-0.295	0.000	0.19	
7.002		S8137	31 96.198	-0.276	0.000	0.28	
7.003		S8161	32 96.138	-0.275	0.000	0.29	
8.000		S8151	28 96.249	-0.208	0.000	0.20	
7.004		S8162	31 96.060	-0.279	0.000	0.31	
7.005		S8152	32 95.858	-0.342	0.000	0.26	
9.000		S8144	28 96.295	-0.255	0.000	0.05	
9.001		S8145	29 96.054	-0.321	0.000	0.05	
7.006		S8146	31 95.737	-0.353	0.000	0.23	
10.000		S8165	30 95.579	-0.416	0.000	0.02	
10.001		S8164	31 95.520	-0.391	0.000	0.03	
7.007		S8147	31 95.518	-0.362	0.000	0.21	
7.008		S8150	32 95.226	-0.319	0.000	0.32	
7.009		S8149	32 95.119	-0.246	0.000	0.55	
11.000		S5037	28 95.196	-0.184	0.000	0.07	
11.001		S5038	31 95.000	-0.233	0.000	0.10	
11.002		S5039	32 94.956	-0.199	0.000	0.10	
12.000		S5040	28 95.240	-0.143	0.000	0.28	
7.010		S5041	32 94.949	-0.354	0.000	0.23	
7.011		S5042	32 94.492	-0.363	0.000	0.21	
7.012		S5047	40 93.731	-0.289	0.000	0.41	
7.013		S8167	43 93.667	-0.188	0.000	0.46	
7.014	S5048 - Headwall	45 93.650	-0.225	0.000	0.49		
1.018	S5049 - Headwall	52 93.601	-0.349	0.000	0.56		
1.019	S5050 Control Chamber	68 93.288	-0.162	0.000	0.09		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	24.5	OK
6.000	S5026	6.0	OK
6.001	S5027	14.8	OK
5.002	S5028	40.6	OK
1.014	S5029	160.8	OK
1.015	S5030	159.1	OK
1.016	S8121	160.6	OK
1.017	S5036 - Headwall	165.1	OK*
7.000	S8135	14.0	OK

JS Bloor (Wilmslow) Ltd		Page 18	
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by		
Elstree Computing Ltd Network 2020.1.3			
<u>Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 26.2	OK
7.002		S8137 37.6	OK
7.003		S8161 41.0	OK
8.000		S8151 12.1	OK
7.004		S8162 60.3	OK
7.005		S8152 67.1	OK
9.000		S8144 4.3	OK
9.001		S8145 10.1	OK
7.006		S8146 81.5	OK
10.000		S8165 2.5	OK
10.001		S8164 5.8	OK
7.007		S8147 93.2	OK
7.008		S8150 94.3	OK
7.009		S8149 102.5	OK
11.000		S5037 2.8	OK
11.001		S5038 6.1	OK
11.002		S5039 6.2	OK
12.000		S5040 10.7	OK
7.010		S5041 118.0	OK
7.011		S5042 121.4	OK
7.012		S5047 127.9	OK
7.013		S8167 127.0	OK
7.014	S5048 - Headwall	123.5	OK
1.018	S5049 - Headwall	279.7	OK
1.019	S5050 Control Chamber	8.1	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 21
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 120 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	44 93.791	-0.369	0.000	0.07		
6.000		S5026	38 94.329	-0.263	0.000	0.04		
6.001		S5027	44 93.829	-0.306	0.000	0.08		
5.002		S5028	44 93.704	-0.313	0.000	0.17		
1.014		S5029	44 93.692	-0.278	0.000	0.45		
1.015		S5030	50 93.647	-0.280	0.000	0.47		
1.016		S8121	55 93.600	-0.287	0.000	0.53		
1.017	S5036 - Headwall	55 93.581	-0.744	0.000	0.11			
7.000		S8135	39 96.264	-0.351	0.000	0.07		
7.001		S8136	39 96.222	-0.321	0.000	0.13		
7.002		S8137	39 96.171	-0.303	0.000	0.19		
7.003		S8161	39 96.111	-0.302	0.000	0.21		
8.000		S8151	38 96.230	-0.227	0.000	0.13		
7.004		S8162	39 96.033	-0.306	0.000	0.21		
7.005		S8152	39 95.831	-0.369	0.000	0.18		
9.000		S8144	38 96.286	-0.264	0.000	0.03		
9.001		S8145	38 96.045	-0.330	0.000	0.03		
7.006		S8146	39 95.710	-0.380	0.000	0.16		
10.000		S8165	38 95.567	-0.428	0.000	0.01		
10.001		S8164	39 95.494	-0.417	0.000	0.02		
7.007		S8147	39 95.492	-0.388	0.000	0.15		
7.008		S8150	39 95.193	-0.352	0.000	0.23		
7.009		S8149	39 95.071	-0.295	0.000	0.40		
11.000		S5037	38 95.187	-0.193	0.000	0.05		
11.001		S5038	39 94.987	-0.247	0.000	0.07		
11.002		S5039	39 94.935	-0.221	0.000	0.07		
12.000		S5040	38 95.223	-0.160	0.000	0.18		
7.010		S5041	39 94.922	-0.381	0.000	0.17		
7.011		S5042	39 94.466	-0.389	0.000	0.15		
7.012		S5047	44 93.692	-0.328	0.000	0.30		
7.013		S8167	55 93.605	-0.251	0.000	0.34		
7.014	S5048 - Headwall	55 93.590	-0.285	0.000	0.36			
1.018	S5049 - Headwall	55 93.540	-0.410	0.000	0.43			
1.019	S5050 Control Chamber	66 93.315	-0.135	0.000	0.10			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	16.6	OK
6.000		S5026	4.1	OK
6.001		S5027	10.1	OK
5.002		S5028	28.6	OK
1.014		S5029	119.4	OK
1.015		S5030	118.8	OK
1.016		S8121	121.4	OK
1.017	S5036 - Headwall	125.4		OK*
7.000		S8135	9.7	OK

JS Bloor (Wilmslow) Ltd			Page 22	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 120 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 18.2	OK	
7.002		S8137 26.1	OK	
7.003		S8161 28.9	OK	
8.000		S8151 8.0	OK	
7.004		S8162 42.0	OK	
7.005		S8152 47.0	OK	
9.000		S8144 2.9	OK	
9.001		S8145 7.0	OK	
7.006		S8146 57.0	OK	
10.000		S8165 1.7	OK	
10.001		S8164 4.2	OK	
7.007		S8147 65.1	OK	
7.008		S8150 66.6	OK	
7.009		S8149 75.1	OK	
11.000		S5037 1.8	OK	
11.001		S5038 4.1	OK	
11.002		S5039 4.3	OK	
12.000		S5040 7.1	OK	
7.010		S5041 87.1	OK	
7.011		S5042 89.7	OK	
7.012		S5047 94.6	OK	
7.013		S8167 94.2	OK	
7.014	S5048 - Headwall	91.9	OK	
1.018	S5049 - Headwall	216.4	OK	
1.019	S5050 Control Chamber	9.6	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 23																																																																																																																																																																																																																																																									
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor 1.000				Additional Flow - % of Total Flow 0.000																																																																																																																																																																																																																																																												
Hot Start (mins) 0				MADD Factor * 10m³/ha Storage 0.000																																																																																																																																																																																																																																																												
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 3																																																																																																																																																																																																																																																																
Number of Online Controls 1 Number of Time/Area Diagrams 0																																																																																																																																																																																																																																																																
Number of Offline Controls 0 Number of Real Time Controls 0																																																																																																																																																																																																																																																																
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model FSR				Ratio R 0.413																																																																																																																																																																																																																																																												
Region England and Wales Cv (Summer) 0.750																																																																																																																																																																																																																																																																
M5-60 (mm) 19.500				Cv (Winter) 0.840																																																																																																																																																																																																																																																												
Margin for Flood Risk Warning (mm) 300.0				DVD Status OFF																																																																																																																																																																																																																																																												
Analysis Timestep				Fine Inertia Status OFF																																																																																																																																																																																																																																																												
DTS 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)				1, 30, 100																																																																																																																																																																																																																																																												
Climate Change (%)				0, 0, 40																																																																																																																																																																																																																																																												
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>44</td><td>96.779</td><td>-0.336</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>44</td><td>97.440</td><td>-0.270</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>44</td><td>96.174</td><td>-0.376</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>44</td><td>95.999</td><td>-0.446</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>44</td><td>95.802</td><td>-0.453</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>44</td><td>95.410</td><td>-0.435</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>44</td><td>95.250</td><td>-0.376</td><td>0.000</td><td>0.18</td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>45</td><td>95.154</td><td>-0.435</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>45</td><td>94.676</td><td>-0.409</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>44</td><td>95.953</td><td>-0.352</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>44</td><td>95.084</td><td>-0.396</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>44</td><td>94.889</td><td>-0.451</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>44</td><td>94.709</td><td>-0.456</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>45</td><td>94.481</td><td>-0.364</td><td>0.000</td><td>0.21</td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>45</td><td>94.319</td><td>-0.386</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td></td><td>45</td><td>94.185</td><td>-0.290</td><td>0.000</td><td>0.31</td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>44</td><td>95.125</td><td>-0.279</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>45</td><td>94.138</td><td>-0.267</td><td>0.000</td><td>0.42</td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td></td><td>47</td><td>94.096</td><td>-0.344</td><td>0.000</td><td>0.38</td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>48</td><td>93.868</td><td>-0.462</td><td>0.000</td><td>0.12</td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>45</td><td>94.122</td><td>-0.398</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	44	96.779	-0.336	0.000	0.02				2.000		S8133	44	97.440	-0.270	0.000	0.02				1.001		S8134	44	96.174	-0.376	0.000	0.06				1.002		S8141	44	95.999	-0.446	0.000	0.05				1.003		S8139	44	95.802	-0.453	0.000	0.05				1.004		S8140	44	95.410	-0.435	0.000	0.07				1.005		S4008	44	95.250	-0.376	0.000	0.18				1.006		S4011	45	95.154	-0.435	0.000	0.07				1.007		S4012	45	94.676	-0.409	0.000	0.11				3.000		S8157	44	95.953	-0.352	0.000	0.01				3.001		S8159	44	95.084	-0.396	0.000	0.03				3.002		S8154	44	94.889	-0.451	0.000	0.05				3.003		S8155	44	94.709	-0.456	0.000	0.04				1.008		S5015	45	94.481	-0.364	0.000	0.21				1.009		S5016	45	94.319	-0.386	0.000	0.16				1.010	S5017 - PH4 Connection		45	94.185	-0.290	0.000	0.31				4.000		S5018	44	95.125	-0.279	0.000	0.01				1.011		S5019	45	94.138	-0.267	0.000	0.42				1.012	S5020 PH5 Connection		47	94.096	-0.344	0.000	0.38				1.013		S5021	48	93.868	-0.462	0.000	0.12				5.000		S5023	45	94.122	-0.398	0.000	0.03			
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	44	96.779	-0.336	0.000	0.02																																																																																																																																																																																																																																																									
2.000		S8133	44	97.440	-0.270	0.000	0.02																																																																																																																																																																																																																																																									
1.001		S8134	44	96.174	-0.376	0.000	0.06																																																																																																																																																																																																																																																									
1.002		S8141	44	95.999	-0.446	0.000	0.05																																																																																																																																																																																																																																																									
1.003		S8139	44	95.802	-0.453	0.000	0.05																																																																																																																																																																																																																																																									
1.004		S8140	44	95.410	-0.435	0.000	0.07																																																																																																																																																																																																																																																									
1.005		S4008	44	95.250	-0.376	0.000	0.18																																																																																																																																																																																																																																																									
1.006		S4011	45	95.154	-0.435	0.000	0.07																																																																																																																																																																																																																																																									
1.007		S4012	45	94.676	-0.409	0.000	0.11																																																																																																																																																																																																																																																									
3.000		S8157	44	95.953	-0.352	0.000	0.01																																																																																																																																																																																																																																																									
3.001		S8159	44	95.084	-0.396	0.000	0.03																																																																																																																																																																																																																																																									
3.002		S8154	44	94.889	-0.451	0.000	0.05																																																																																																																																																																																																																																																									
3.003		S8155	44	94.709	-0.456	0.000	0.04																																																																																																																																																																																																																																																									
1.008		S5015	45	94.481	-0.364	0.000	0.21																																																																																																																																																																																																																																																									
1.009		S5016	45	94.319	-0.386	0.000	0.16																																																																																																																																																																																																																																																									
1.010	S5017 - PH4 Connection		45	94.185	-0.290	0.000	0.31																																																																																																																																																																																																																																																									
4.000		S5018	44	95.125	-0.279	0.000	0.01																																																																																																																																																																																																																																																									
1.011		S5019	45	94.138	-0.267	0.000	0.42																																																																																																																																																																																																																																																									
1.012	S5020 PH5 Connection		47	94.096	-0.344	0.000	0.38																																																																																																																																																																																																																																																									
1.013		S5021	48	93.868	-0.462	0.000	0.12																																																																																																																																																																																																																																																									
5.000		S5023	45	94.122	-0.398	0.000	0.03																																																																																																																																																																																																																																																									
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

Dean Court 85 Adllington Road Wilmslow SK9 1BT
--

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000	S8142	4.4	OK
2.000	S8133	3.4	OK
1.001	S8134	11.8	OK
1.002	S8141	16.5	OK
1.003	S8139	17.5	OK
1.004	S8140	24.1	OK
1.005	S4008	28.8	OK
1.006	S4011	29.9	OK
1.007	S4012	35.2	OK
3.000	S8157	3.2	OK
3.001	S8159	7.3	OK
3.002	S8154	13.8	OK
3.003	S8155	18.1	OK
1.008	S5015	58.5	OK
1.009	S5016	58.5	OK
1.010	S5017 - PH4 Connection	63.3	OK
4.000	S5018	3.0	OK
1.011	S5019	66.5	OK
1.012	S5020 PH5 Connection	68.7	OK
1.013	S5021	72.2	OK
5.000	S5023	8.2	OK

JS Bloor (Wilmslow) Ltd		Page 25
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	47 93.781	-0.379	0.000	0.06		
6.000		S5026	44 94.326	-0.266	0.000	0.03		
6.001		S5027	47 93.820	-0.315	0.000	0.06		
5.002		S5028	52 93.667	-0.350	0.000	0.13		
1.014		S5029	54 93.648	-0.322	0.000	0.36		
1.015		S5030	57 93.606	-0.321	0.000	0.39		
1.016		S8121	57 93.563	-0.324	0.000	0.43		
1.017	S5036 - Headwall	57 93.546	-0.779	0.000	0.09			
7.000		S8135	45 96.251	-0.364	0.000	0.06		
7.001		S8136	45 96.205	-0.338	0.000	0.11		
7.002		S8137	45 96.153	-0.321	0.000	0.16		
7.003		S8161	45 96.094	-0.320	0.000	0.17		
8.000		S8151	44 96.222	-0.235	0.000	0.11		
7.004		S8162	45 96.015	-0.324	0.000	0.18		
7.005		S8152	45 95.811	-0.389	0.000	0.15		
9.000		S8144	44 96.283	-0.267	0.000	0.03		
9.001		S8145	44 96.041	-0.334	0.000	0.03		
7.006		S8146	45 95.692	-0.398	0.000	0.13		
10.000		S8165	44 95.563	-0.432	0.000	0.01		
10.001		S8164	45 95.478	-0.433	0.000	0.02		
7.007		S8147	45 95.476	-0.404	0.000	0.12		
7.008		S8150	45 95.173	-0.372	0.000	0.19		
7.009		S8149	45 95.045	-0.320	0.000	0.32		
11.000		S5037	44 95.184	-0.196	0.000	0.04		
11.001		S5038	45 94.979	-0.255	0.000	0.05		
11.002		S5039	45 94.922	-0.234	0.000	0.05		
12.000		S5040	44 95.215	-0.167	0.000	0.15		
7.010		S5041	45 94.907	-0.396	0.000	0.14		
7.011		S5042	45 94.452	-0.403	0.000	0.12		
7.012		S5047	51 93.671	-0.349	0.000	0.25		
7.013		S8167	57 93.563	-0.292	0.000	0.28		
7.014	S5048 - Headwall	57 93.552	-0.323	0.000	0.30			
1.018	S5049 - Headwall	57 93.506	-0.444	0.000	0.35			
1.019	S5050 Control Chamber	65 93.328	-0.122	0.000	0.11			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	13.1	OK
6.000		S5026	3.2	OK
6.001		S5027	8.0	OK
5.002		S5028	22.8	OK
1.014		S5029	96.0	OK
1.015		S5030	96.5	OK
1.016		S8121	99.1	OK
1.017	S5036 - Headwall	103.2		OK*
7.000		S8135	8.0	OK

JS Bloor (Wilmslow) Ltd			Page 26	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 15.0	OK	
7.002		S8137 21.6	OK	
7.003		S8161 23.5	OK	
8.000		S8151 6.4	OK	
7.004		S8162 34.7	OK	
7.005		S8152 38.6	OK	
9.000		S8144 2.3	OK	
9.001		S8145 5.5	OK	
7.006		S8146 47.0	OK	
10.000		S8165 1.4	OK	
10.001		S8164 3.3	OK	
7.007		S8147 53.7	OK	
7.008		S8150 54.2	OK	
7.009		S8149 60.3	OK	
11.000		S5037 1.5	OK	
11.001		S5038 3.3	OK	
11.002		S5039 3.4	OK	
12.000		S5040 5.7	OK	
7.010		S5041 70.1	OK	
7.011		S5042 72.3	OK	
7.012		S5047 76.4	OK	
7.013		S8167 76.2	OK	
7.014	S5048 - Headwall	75.4	OK	
1.018	S5049 - Headwall	177.3	OK	
1.019	S5050 Control Chamber	9.9	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 27		
Dean Court 85 Adllington Road Wilmslow SK9 1BT									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by					
Elstree Computing Ltd				Network 2020.1.3					
<u>Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5</u>									
<u>Simulation Criteria</u>									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000			
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		3	
Number of Online Controls				1		Number of Time/Area Diagrams		0	
Number of Offline Controls				0		Number of Real Time Controls		0	
<u>Synthetic Rainfall Details</u>									
Rainfall Model		FSR		Ratio R		0.413			
Region England and Wales Cv (Summer)		0.750							
M5-60 (mm)		19.500		Cv (Winter)		0.840			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF	
Analysis Timestep				Fine		Inertia Status		OFF	
DTS 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)		1, 30, 100							
Climate Change (%)		0, 0, 40							

JS Bloor (Wilmslow) Ltd			Page 28	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 3.6	OK	
2.000		S8133 2.8	OK	
1.001		S8134 9.7	OK	
1.002		S8141 13.7	OK	
1.003		S8139 14.6	OK	
1.004		S8140 20.2	OK	
1.005		S4008 23.9	OK	
1.006		S4011 24.6	OK	
1.007		S4012 28.9	OK	
3.000		S8157 2.7	OK	
3.001		S8159 6.1	OK	
3.002		S8154 11.6	OK	
3.003		S8155 15.3	OK	
1.008		S5015 48.3	OK	
1.009		S5016 48.0	OK	
1.010	S5017 - PH4 Connection	52.6	OK	
4.000		S5018 2.5	OK	
1.011		S5019 56.0	OK	
1.012	S5020 PH5 Connection	57.8	OK	
1.013		S5021 60.8	OK	
5.000		S5023 6.7	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 29
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	50 93.774	-0.386	0.000	0.05	
6.000		S5026	48 94.323	-0.268	0.000	0.02	
6.001		S5027	50 93.814	-0.321	0.000	0.05	
5.002		S5028	56 93.641	-0.375	0.000	0.11	
1.014		S5029	56 93.618	-0.352	0.000	0.31	
1.015		S5030	58 93.577	-0.350	0.000	0.32	
1.016		S8121	58 93.535	-0.353	0.000	0.36	
1.017	S5036 - Headwall	58 93.518	-0.807	0.000	0.08		
7.000		S8135	50 96.242	-0.373	0.000	0.05	
7.001		S8136	50 96.195	-0.347	0.000	0.09	
7.002		S8137	50 96.141	-0.332	0.000	0.13	
7.003		S8161	50 96.083	-0.331	0.000	0.14	
8.000		S8151	48 96.217	-0.240	0.000	0.09	
7.004		S8162	50 96.005	-0.335	0.000	0.15	
7.005		S8152	50 95.800	-0.400	0.000	0.13	
9.000		S8144	48 96.281	-0.269	0.000	0.02	
9.001		S8145	48 96.038	-0.337	0.000	0.02	
7.006		S8146	50 95.682	-0.408	0.000	0.11	
10.000		S8165	48 95.559	-0.436	0.000	0.01	
10.001		S8164	50 95.470	-0.442	0.000	0.02	
7.007		S8147	50 95.467	-0.413	0.000	0.10	
7.008		S8150	50 95.159	-0.386	0.000	0.16	
7.009		S8149	51 95.026	-0.339	0.000	0.27	
11.000		S5037	48 95.181	-0.199	0.000	0.03	
11.001		S5038	49 94.974	-0.259	0.000	0.04	
11.002		S5039	50 94.915	-0.241	0.000	0.05	
12.000		S5040	48 95.210	-0.173	0.000	0.12	
7.010		S5041	51 94.896	-0.407	0.000	0.12	
7.011		S5042	51 94.443	-0.412	0.000	0.10	
7.012		S5047	56 93.657	-0.363	0.000	0.21	
7.013		S8167	58 93.536	-0.319	0.000	0.23	
7.014	S5048 - Headwall	58 93.523	-0.352	0.000	0.25		
1.018	S5049 - Headwall	58 93.479	-0.471	0.000	0.30		
1.019	S5050 Control Chamber	63 93.337	-0.113	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	10.9	OK
6.000	S5026	2.7	OK
6.001	S5027	6.7	OK
5.002	S5028	19.1	OK
1.014	S5029	81.2	OK
1.015	S5030	81.2	OK
1.016	S8121	83.6	OK
1.017	S5036 - Headwall	87.9	OK*
7.000	S8135	6.7	OK

JS Bloor (Wilmslow) Ltd		Page 30
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	12.5	OK
7.002	S8137	17.9	OK
7.003	S8161	19.7	OK
8.000	S8151	5.3	OK
7.004	S8162	28.8	OK
7.005	S8152	32.2	OK
9.000	S8144	1.9	OK
9.001	S8145	4.6	OK
7.006	S8146	39.1	OK
10.000	S8165	1.1	OK
10.001	S8164	2.8	OK
7.007	S8147	44.6	OK
7.008	S8150	45.4	OK
7.009	S8149	51.0	OK
11.000	S5037	1.2	OK
11.001	S5038	2.7	OK
11.002	S5039	2.9	OK
12.000	S5040	4.7	OK
7.010	S5041	59.5	OK
7.011	S5042	61.4	OK
7.012	S5047	64.9	OK
7.013	S8167	64.8	OK
7.014	S5048 - Headwall	64.0	OK
1.018	S5049 - Headwall	151.4	OK
1.019	S5050 Control Chamber	10.1	OK

JS Bloor (Wilmslow) Ltd		Page 33
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 360 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	56 93.765	-0.395	0.000	0.04	
6.000		S5026	55 94.318	-0.274	0.000	0.02	
6.001		S5027	56 93.807	-0.328	0.000	0.04	
5.002		S5028	59 93.611	-0.405	0.000	0.08	
1.014		S5029	61 93.577	-0.394	0.000	0.23	
1.015		S5030	61 93.536	-0.391	0.000	0.25	
1.016		S8121	61 93.494	-0.393	0.000	0.28	
1.017	S5036 - Headwall	61 93.479	-0.846	0.000	0.06		
7.000		S8135	55 96.231	-0.384	0.000	0.04	
7.001		S8136	55 96.183	-0.360	0.000	0.07	
7.002		S8137	55 96.126	-0.348	0.000	0.10	
7.003		S8161	55 96.067	-0.347	0.000	0.11	
8.000		S8151	55 96.207	-0.250	0.000	0.07	
7.004		S8162	55 95.990	-0.349	0.000	0.11	
7.005		S8152	55 95.785	-0.415	0.000	0.10	
9.000		S8144	55 96.274	-0.276	0.000	0.02	
9.001		S8145	55 96.030	-0.345	0.000	0.02	
7.006		S8146	55 95.669	-0.421	0.000	0.09	
10.000		S8165	55 95.556	-0.439	0.000	0.01	
10.001		S8164	55 95.455	-0.456	0.000	0.01	
7.007		S8147	55 95.452	-0.428	0.000	0.08	
7.008		S8150	55 95.141	-0.404	0.000	0.12	
7.009		S8149	55 95.003	-0.363	0.000	0.21	
11.000		S5037	55 95.178	-0.201	0.000	0.02	
11.001		S5038	55 94.969	-0.265	0.000	0.03	
11.002		S5039	55 94.904	-0.252	0.000	0.03	
12.000		S5040	55 95.203	-0.179	0.000	0.09	
7.010		S5041	55 94.884	-0.419	0.000	0.09	
7.011		S5042	56 94.429	-0.426	0.000	0.08	
7.012		S5047	59 93.635	-0.385	0.000	0.16	
7.013		S8167	61 93.500	-0.356	0.000	0.18	
7.014	S5048 - Headwall	61 93.483	-0.392	0.000	0.19		
1.018	S5049 - Headwall	61 93.444	-0.506	0.000	0.23		
1.019	S5050 Control Chamber	62 93.347	-0.103	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	8.2	OK
6.000	S5026	2.0	OK
6.001	S5027	5.0	OK
5.002	S5028	14.4	OK
1.014	S5029	61.5	OK
1.015	S5030	62.0	OK
1.016	S8121	64.3	OK
1.017	S5036 - Headwall	68.2	OK*
7.000	S8135	5.2	OK

JS Bloor (Wilmslow) Ltd			Page 34	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 360 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 9.7	OK	
7.002		S8137 13.9	OK	
7.003		S8161 15.1	OK	
8.000		S8151 4.0	OK	
7.004		S8162 22.3	OK	
7.005		S8152 24.9	OK	
9.000		S8144 1.4	OK	
9.001		S8145 3.4	OK	
7.006		S8146 30.2	OK	
10.000		S8165 0.8	OK	
10.001		S8164 2.1	OK	
7.007		S8147 34.5	OK	
7.008		S8150 34.8	OK	
7.009		S8149 38.6	OK	
11.000		S5037 0.9	OK	
11.001		S5038 2.0	OK	
11.002		S5039 2.2	OK	
12.000		S5040 3.5	OK	
7.010		S5041 45.3	OK	
7.011		S5042 46.5	OK	
7.012		S5047 49.1	OK	
7.013		S8167 49.1	OK	
7.014	S5048 - Headwall	49.6	OK	
1.018	S5049 - Headwall	116.9	OK	
1.019	S5050 Control Chamber	10.2	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 37
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 480 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)			
5.001		S5025	59 93.761	-0.399	0.000	0.03		
6.000		S5026	59 94.313	-0.279	0.000	0.01		
6.001		S5027	59 93.803	-0.332	0.000	0.03		
5.002		S5028	62 93.593	-0.423	0.000	0.07		
1.014		S5029	62 93.547	-0.423	0.000	0.19		
1.015		S5030	62 93.508	-0.419	0.000	0.20		
1.016		S8121	62 93.469	-0.419	0.000	0.23		
1.017	S5036 - Headwall	62 93.454	-0.871	0.000	0.05			
7.000		S8135	59 96.223	-0.392	0.000	0.03		
7.001		S8136	59 96.172	-0.371	0.000	0.06		
7.002		S8137	59 96.117	-0.357	0.000	0.08		
7.003		S8161	59 96.058	-0.356	0.000	0.09		
8.000		S8151	59 96.201	-0.256	0.000	0.05		
7.004		S8162	59 95.981	-0.358	0.000	0.09		
7.005		S8152	59 95.773	-0.427	0.000	0.08		
9.000		S8144	59 96.270	-0.280	0.000	0.01		
9.001		S8145	59 96.024	-0.351	0.000	0.01		
7.006		S8146	59 95.656	-0.434	0.000	0.07		
10.000		S8165	59 95.554	-0.441	0.000	0.00		
10.001		S8164	59 95.445	-0.467	0.000	0.01		
7.007		S8147	59 95.441	-0.439	0.000	0.06		
7.008		S8150	59 95.130	-0.415	0.000	0.10		
7.009		S8149	59 94.985	-0.380	0.000	0.17		
11.000		S5037	59 95.176	-0.204	0.000	0.02		
11.001		S5038	59 94.966	-0.268	0.000	0.03		
11.002		S5039	59 94.896	-0.260	0.000	0.03		
12.000		S5040	59 95.198	-0.185	0.000	0.07		
7.010		S5041	59 94.871	-0.432	0.000	0.07		
7.011		S5042	59 94.417	-0.438	0.000	0.06		
7.012		S5047	61 93.621	-0.399	0.000	0.13		
7.013		S8167	62 93.476	-0.380	0.000	0.14		
7.014	S5048 - Headwall	62 93.457	-0.418	0.000	0.16			
1.018	S5049 - Headwall	62 93.419	-0.531	0.000	0.19			
1.019	S5050 Control Chamber	60 93.352	-0.098	0.000	0.11			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	6.6	OK
6.000		S5026	1.6	OK
6.001		S5027	4.0	OK
5.002		S5028	11.7	OK
1.014		S5029	49.9	OK
1.015		S5030	50.0	OK
1.016		S8121	52.1	OK
1.017	S5036 - Headwall	55.3		OK*
7.000		S8135	4.2	OK

JS Bloor (Wilmslow) Ltd			Page 38	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 480 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 7.9	OK	
7.002		S8137 11.3	OK	
7.003		S8161 12.4	OK	
8.000		S8151 3.2	OK	
7.004		S8162 18.2	OK	
7.005		S8152 20.3	OK	
9.000		S8144 1.1	OK	
9.001		S8145 2.8	OK	
7.006		S8146 24.7	OK	
10.000		S8165 0.7	OK	
10.001		S8164 1.7	OK	
7.007		S8147 28.1	OK	
7.008		S8150 28.4	OK	
7.009		S8149 31.5	OK	
11.000		S5037 0.7	OK	
11.001		S5038 1.7	OK	
11.002		S5039 1.8	OK	
12.000		S5040 2.8	OK	
7.010		S5041 37.0	OK	
7.011		S5042 38.0	OK	
7.012		S5047 40.1	OK	
7.013		S8167 39.9	OK	
7.014	S5048 - Headwall	40.2	OK	
1.018	S5049 - Headwall	95.4	OK	
1.019	S5050 Control Chamber	10.3	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 39	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 600 minute 1 year Summer I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
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		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd		Page 41
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 600 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	63 93.758	-0.402	0.000	0.03	
6.000		S5026	63 94.310	-0.282	0.000	0.01	
6.001		S5027	63 93.800	-0.335	0.000	0.03	
5.002		S5028	64 93.580	-0.437	0.000	0.06	
1.014		S5029	64 93.527	-0.443	0.000	0.16	
1.015		S5030	64 93.488	-0.439	0.000	0.17	
1.016		S8121	64 93.450	-0.437	0.000	0.19	
1.017	S5036 - Headwall	64 93.437	-0.888	0.000	0.04		
7.000		S8135	63 96.219	-0.396	0.000	0.03	
7.001		S8136	63 96.165	-0.378	0.000	0.05	
7.002		S8137	63 96.109	-0.365	0.000	0.07	
7.003		S8161	63 96.050	-0.364	0.000	0.08	
8.000		S8151	63 96.198	-0.259	0.000	0.04	
7.004		S8162	63 95.973	-0.367	0.000	0.08	
7.005		S8152	63 95.764	-0.436	0.000	0.07	
9.000		S8144	63 96.267	-0.283	0.000	0.01	
9.001		S8145	63 96.020	-0.355	0.000	0.01	
7.006		S8146	63 95.648	-0.442	0.000	0.06	
10.000		S8165	63 95.552	-0.443	0.000	0.00	
10.001		S8164	63 95.438	-0.473	0.000	0.01	
7.007		S8147	63 95.433	-0.447	0.000	0.05	
7.008		S8150	63 95.121	-0.424	0.000	0.08	
7.009		S8149	63 94.973	-0.393	0.000	0.14	
11.000		S5037	63 95.172	-0.207	0.000	0.02	
11.001		S5038	63 94.964	-0.269	0.000	0.02	
11.002		S5039	63 94.892	-0.264	0.000	0.02	
12.000		S5040	63 95.194	-0.189	0.000	0.06	
7.010		S5041	63 94.862	-0.441	0.000	0.06	
7.011		S5042	63 94.410	-0.445	0.000	0.06	
7.012		S5047	64 93.611	-0.409	0.000	0.11	
7.013		S8167	64 93.459	-0.396	0.000	0.12	
7.014	S5048 - Headwall	64 93.438	-0.437	0.000	0.13		
1.018	S5049 - Headwall	64 93.400	-0.550	0.000	0.16		
1.019	S5050 Control Chamber	59 93.356	-0.094	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	5.6	OK
6.000	S5026	1.4	OK
6.001	S5027	3.4	OK
5.002	S5028	9.9	OK
1.014	S5029	42.7	OK
1.015	S5030	42.7	OK
1.016	S8121	44.2	OK
1.017	S5036 - Headwall	47.1	OK*
7.000	S8135	3.6	OK

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 600 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 6.7	OK
7.002		S8137 9.6	OK
7.003		S8161 10.5	OK
8.000		S8151 2.7	OK
7.004		S8162 15.5	OK
7.005		S8152 17.2	OK
9.000		S8144 1.0	OK
9.001		S8145 2.3	OK
7.006		S8146 21.0	OK
10.000		S8165 0.6	OK
10.001		S8164 1.4	OK
7.007		S8147 23.9	OK
7.008		S8150 24.2	OK
7.009		S8149 26.9	OK
11.000		S5037 0.6	OK
11.001		S5038 1.4	OK
11.002		S5039 1.5	OK
12.000		S5040 2.4	OK
7.010		S5041 31.5	OK
7.011		S5042 32.4	OK
7.012		S5047 34.2	OK
7.013		S8167 34.0	OK
7.014	S5048 - Headwall	34.1	OK
1.018	S5049 - Headwall	81.4	OK
1.019	S5050 Control Chamber	10.4	OK

Simulation Criteria

Number of Input Hydrographs	0	Number of Storage Structures	3
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Rainfall Model	FSR	Ratio R	0.413
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.500	Cv (Winter)	0.840

Profile(s)	Summer and Winter
n(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
(s) (years)	1, 30, 100
Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain
			Level (m)	Depth (m)	Volume (m³)	Time (mins)			
1.000	S5017 - PH4 Connection	S8142	65	96.755	-0.360	0.000	0.01		
2.000		S8133	65	97.421	-0.289	0.000	0.01		
1.001		S8134	65	96.147	-0.403	0.000	0.02		
1.002		S8141	65	95.970	-0.475	0.000	0.02		
1.003		S8139	65	95.773	-0.482	0.000	0.02		
1.004		S8140	65	95.376	-0.469	0.000	0.03		
1.005		S4008	65	95.189	-0.437	0.000	0.07		
1.006		S4011	65	95.120	-0.469	0.000	0.03		
1.007		S4012	65	94.629	-0.456	0.000	0.04		
3.000		S8157	65	95.938	-0.367	0.000	0.00		
3.001	S8159	65	95.057	-0.423	0.000	0.01			
3.002	S8154	65	94.860	-0.480	0.000	0.02			
3.003	S8155	65	94.679	-0.486	0.000	0.02			
1.008	S5015	65	94.417	-0.428	0.000	0.08			
1.009	S5016	65	94.263	-0.442	0.000	0.06			
1.010	S5020 PH5 Connection	S5017	65	94.085	-0.390	0.000	0.12		
4.000		S5018	65	95.112	-0.292	0.000	0.01		
1.011		S5019	65	94.033	-0.372	0.000	0.16		
1.012		S5020	65	93.991	-0.449	0.000	0.14		
1.013		S5021	65	93.813	-0.517	0.000	0.05		
5.000		S5023	65	94.095	-0.425	0.000	0.01		

JS Bloor (Wilmslow) Ltd		Page 45
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 720 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)			
5.001		S5025	65 93.756	-0.404	0.000	0.02		
6.000		S5026	65 94.308	-0.284	0.000	0.01		
6.001		S5027	65 93.798	-0.337	0.000	0.02		
5.002		S5028	66 93.571	-0.446	0.000	0.05		
1.014		S5029	66 93.512	-0.458	0.000	0.14		
1.015		S5030	66 93.473	-0.454	0.000	0.15		
1.016		S8121	66 93.436	-0.451	0.000	0.17		
1.017	S5036 - Headwall	66 93.423	-0.902	0.000	0.04			
7.000		S8135	65 96.216	-0.400	0.000	0.02		
7.001		S8136	65 96.159	-0.384	0.000	0.04		
7.002		S8137	65 96.102	-0.372	0.000	0.06		
7.003		S8161	65 96.043	-0.371	0.000	0.07		
8.000		S8151	65 96.195	-0.262	0.000	0.04		
7.004		S8162	65 95.966	-0.373	0.000	0.07		
7.005		S8152	65 95.757	-0.443	0.000	0.06		
9.000		S8144	65 96.265	-0.285	0.000	0.01		
9.001		S8145	65 96.018	-0.357	0.000	0.01		
7.006		S8146	65 95.642	-0.448	0.000	0.05		
10.000		S8165	65 95.551	-0.444	0.000	0.00		
10.001		S8164	65 95.433	-0.478	0.000	0.01		
7.007		S8147	65 95.428	-0.452	0.000	0.05		
7.008		S8150	65 95.113	-0.432	0.000	0.07		
7.009		S8149	65 94.964	-0.401	0.000	0.13		
11.000		S5037	65 95.170	-0.209	0.000	0.01		
11.001		S5038	65 94.961	-0.272	0.000	0.02		
11.002		S5039	65 94.889	-0.267	0.000	0.02		
12.000		S5040	65 95.191	-0.191	0.000	0.05		
7.010		S5041	65 94.856	-0.447	0.000	0.05		
7.011		S5042	65 94.404	-0.451	0.000	0.05		
7.012		S5047	66 93.604	-0.416	0.000	0.10		
7.013		S8167	66 93.448	-0.408	0.000	0.11		
7.014	S5048 - Headwall	66 93.424	-0.451	0.000	0.12			
1.018	S5049 - Headwall	67 93.387	-0.563	0.000	0.14			
1.019	S5050 Control Chamber	57 93.359	-0.091	0.000	0.11			

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	4.9	OK
6.000	S5026	1.2	OK
6.001	S5027	3.0	OK
5.002	S5028	8.7	OK
1.014	S5029	37.5	OK
1.015	S5030	37.5	OK
1.016	S8121	38.7	OK
1.017	S5036 - Headwall	41.1	OK*
7.000	S8135	3.2	OK

JS Bloor (Wilmslow) Ltd			Page 46	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 720 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 5.9	OK	
7.002		S8137 8.4	OK	
7.003		S8161 9.2	OK	
8.000		S8151 2.4	OK	
7.004		S8162 13.5	OK	
7.005		S8152 15.1	OK	
9.000		S8144 0.8	OK	
9.001		S8145 2.0	OK	
7.006		S8146 18.3	OK	
10.000		S8165 0.5	OK	
10.001		S8164 1.3	OK	
7.007		S8147 20.9	OK	
7.008		S8150 21.2	OK	
7.009		S8149 23.6	OK	
11.000		S5037 0.5	OK	
11.001		S5038 1.2	OK	
11.002		S5039 1.3	OK	
12.000		S5040 2.1	OK	
7.010		S5041 27.6	OK	
7.011		S5042 28.4	OK	
7.012		S5047 30.0	OK	
7.013		S8167 29.9	OK	
7.014	S5048 - Headwall	29.9	OK	
1.018	S5049 - Headwall	71.3	OK	
1.019	S5050 Control Chamber	10.4	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd			Page 48	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 960 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 1.3	OK	
2.000		S8133 1.0	OK	
1.001		S8134 3.5	OK	
1.002		S8141 5.0	OK	
1.003		S8139 5.4	OK	
1.004		S8140 7.4	OK	
1.005		S4008 8.8	OK	
1.006		S4011 9.1	OK	
1.007		S4012 10.7	OK	
3.000		S8157 1.0	OK	
3.001		S8159 2.2	OK	
3.002		S8154 4.2	OK	
3.003		S8155 5.6	OK	
1.008		S5015 17.9	OK	
1.009		S5016 17.9	OK	
1.010	S5017 - PH4 Connection	19.5	OK	
4.000		S5018 0.9	OK	
1.011		S5019 20.7	OK	
1.012	S5020 PH5 Connection	21.3	OK	
1.013		S5021 22.4	OK	
5.000		S5023 2.4	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 49	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 960 minute 1 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	68 93.748	-0.412	0.000	0.02		
6.000		S5026	68 94.305	-0.287	0.000	0.01		
6.001		S5027	68 93.793	-0.342	0.000	0.02		
5.002		S5028	68 93.559	-0.457	0.000	0.04		
1.014		S5029	68 93.490	-0.480	0.000	0.12		
1.015		S5030	68 93.452	-0.476	0.000	0.12		
1.016		S8121	68 93.415	-0.472	0.000	0.14		
1.017	S5036 - Headwall	68	93.402	-0.923	0.000	0.03		
7.000		S8135	68 96.211	-0.404	0.000	0.02		
7.001		S8136	68 96.152	-0.391	0.000	0.03		
7.002		S8137	68 96.093	-0.381	0.000	0.05		
7.003		S8161	68 96.034	-0.380	0.000	0.05		
8.000		S8151	68 96.192	-0.265	0.000	0.03		
7.004		S8162	68 95.957	-0.382	0.000	0.06		
7.005		S8152	68 95.748	-0.452	0.000	0.05		
9.000		S8144	68 96.262	-0.288	0.000	0.01		
9.001		S8145	68 96.014	-0.361	0.000	0.01		
7.006		S8146	68 95.634	-0.456	0.000	0.04		
10.000		S8165	68 95.550	-0.445	0.000	0.00		
10.001		S8164	68 95.425	-0.486	0.000	0.01		
7.007		S8147	68 95.421	-0.459	0.000	0.04		
7.008		S8150	68 95.102	-0.443	0.000	0.06		
7.009		S8149	68 94.952	-0.413	0.000	0.10		
11.000		S5037	68 95.167	-0.212	0.000	0.01		
11.001		S5038	68 94.956	-0.277	0.000	0.02		
11.002		S5039	68 94.886	-0.270	0.000	0.02		
12.000		S5040	68 95.188	-0.195	0.000	0.04		
7.010		S5041	68 94.848	-0.455	0.000	0.04		
7.011		S5042	68 94.397	-0.458	0.000	0.04		
7.012		S5047	68 93.593	-0.427	0.000	0.08		
7.013		S8167	68 93.436	-0.420	0.000	0.09		
7.014	S5048 - Headwall	68	93.404	-0.471	0.000	0.09		
1.018	S5049 - Headwall	71	93.369	-0.581	0.000	0.11		
1.019	S5050 Control Chamber	54	93.362	-0.088	0.000	0.11		
					</			

JS Bloor (Wilmslow) Ltd			Page 50	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 960 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 4.8	OK	
7.002		S8137 6.8	OK	
7.003		S8161 7.4	OK	
8.000		S8151 1.9	OK	
7.004		S8162 10.9	OK	
7.005		S8152 12.2	OK	
9.000		S8144 0.7	OK	
9.001		S8145 1.7	OK	
7.006		S8146 14.8	OK	
10.000		S8165 0.4	OK	
10.001		S8164 1.0	OK	
7.007		S8147 16.9	OK	
7.008		S8150 17.1	OK	
7.009		S8149 19.1	OK	
11.000		S5037 0.4	OK	
11.001		S5038 1.0	OK	
11.002		S5039 1.1	OK	
12.000		S5040 1.7	OK	
7.010		S5041 22.3	OK	
7.011		S5042 23.0	OK	
7.012		S5047 24.3	OK	
7.013		S8167 24.2	OK	
7.014	S5048 - Headwall	24.1	OK	
1.018	S5049 - Headwall	57.5	OK	
1.019	S5050 Control Chamber	10.4	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 51																																																																																																																																																																																																																																																									
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor 1.000				Additional Flow - % of Total Flow 0.000																																																																																																																																																																																																																																																												
Hot Start (mins) 0				MADD Factor * 10m³/ha Storage 0.000																																																																																																																																																																																																																																																												
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 3																																																																																																																																																																																																																																																																
Number of Online Controls 1 Number of Time/Area Diagrams 0																																																																																																																																																																																																																																																																
Number of Offline Controls 0 Number of Real Time Controls 0																																																																																																																																																																																																																																																																
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model FSR				Ratio R 0.413																																																																																																																																																																																																																																																												
Region England and Wales Cv (Summer) 0.750																																																																																																																																																																																																																																																																
M5-60 (mm) 19.500				Cv (Winter) 0.840																																																																																																																																																																																																																																																												
Margin for Flood Risk Warning (mm) 300.0				DVD Status OFF																																																																																																																																																																																																																																																												
Analysis Timestep				Fine Inertia Status OFF																																																																																																																																																																																																																																																												
DTS 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)				1, 30, 100																																																																																																																																																																																																																																																												
Climate Change (%)				0, 0, 40																																																																																																																																																																																																																																																												
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>71 96.749</td><td>-0.366</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>71 97.417</td><td>-0.293</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>71 96.131</td><td>-0.419</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>71 95.950</td><td>-0.495</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>71 95.756</td><td>-0.499</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>71 95.358</td><td>-0.487</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>71 95.168</td><td>-0.458</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>71 95.102</td><td>-0.487</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>71 94.616</td><td>-0.469</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>71 95.935</td><td>-0.370</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>71 95.046</td><td>-0.434</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>71 94.842</td><td>-0.498</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>71 94.664</td><td>-0.501</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>71 94.393</td><td>-0.452</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>71 94.244</td><td>-0.461</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>71 94.054</td><td>-0.421</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>71 95.109</td><td>-0.295</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>71 93.998</td><td>-0.407</td><td>0.000</td><td>0.10</td><td></td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>70 93.959</td><td>-0.481</td><td>0.000</td><td>0.09</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>70 93.796</td><td>-0.534</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>71 94.085</td><td>-0.435</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	71 96.749	-0.366	0.000	0.01					2.000		S8133	71 97.417	-0.293	0.000	0.00					1.001		S8134	71 96.131	-0.419	0.000	0.01					1.002		S8141	71 95.950	-0.495	0.000	0.01					1.003		S8139	71 95.756	-0.499	0.000	0.01					1.004		S8140	71 95.358	-0.487	0.000	0.02					1.005		S4008	71 95.168	-0.458	0.000	0.04					1.006		S4011	71 95.102	-0.487	0.000	0.02					1.007		S4012	71 94.616	-0.469	0.000	0.03					3.000		S8157	71 95.935	-0.370	0.000	0.00					3.001		S8159	71 95.046	-0.434	0.000	0.01					3.002		S8154	71 94.842	-0.498	0.000	0.01					3.003		S8155	71 94.664	-0.501	0.000	0.01					1.008		S5015	71 94.393	-0.452	0.000	0.05					1.009		S5016	71 94.244	-0.461	0.000	0.04					1.010	S5017 - PH4 Connection	71 94.054	-0.421	0.000	0.07						4.000		S5018	71 95.109	-0.295	0.000	0.00					1.011		S5019	71 93.998	-0.407	0.000	0.10					1.012	S5020 PH5 Connection	70 93.959	-0.481	0.000	0.09						1.013		S5021	70 93.796	-0.534	0.000	0.03					5.000		S5023	71 94.085	-0.435	0.000	0.01				
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	71 96.749	-0.366	0.000	0.01																																																																																																																																																																																																																																																										
2.000		S8133	71 97.417	-0.293	0.000	0.00																																																																																																																																																																																																																																																										
1.001		S8134	71 96.131	-0.419	0.000	0.01																																																																																																																																																																																																																																																										
1.002		S8141	71 95.950	-0.495	0.000	0.01																																																																																																																																																																																																																																																										
1.003		S8139	71 95.756	-0.499	0.000	0.01																																																																																																																																																																																																																																																										
1.004		S8140	71 95.358	-0.487	0.000	0.02																																																																																																																																																																																																																																																										
1.005		S4008	71 95.168	-0.458	0.000	0.04																																																																																																																																																																																																																																																										
1.006		S4011	71 95.102	-0.487	0.000	0.02																																																																																																																																																																																																																																																										
1.007		S4012	71 94.616	-0.469	0.000	0.03																																																																																																																																																																																																																																																										
3.000		S8157	71 95.935	-0.370	0.000	0.00																																																																																																																																																																																																																																																										
3.001		S8159	71 95.046	-0.434	0.000	0.01																																																																																																																																																																																																																																																										
3.002		S8154	71 94.842	-0.498	0.000	0.01																																																																																																																																																																																																																																																										
3.003		S8155	71 94.664	-0.501	0.000	0.01																																																																																																																																																																																																																																																										
1.008		S5015	71 94.393	-0.452	0.000	0.05																																																																																																																																																																																																																																																										
1.009		S5016	71 94.244	-0.461	0.000	0.04																																																																																																																																																																																																																																																										
1.010	S5017 - PH4 Connection	71 94.054	-0.421	0.000	0.07																																																																																																																																																																																																																																																											
4.000		S5018	71 95.109	-0.295	0.000	0.00																																																																																																																																																																																																																																																										
1.011		S5019	71 93.998	-0.407	0.000	0.10																																																																																																																																																																																																																																																										
1.012	S5020 PH5 Connection	70 93.959	-0.481	0.000	0.09																																																																																																																																																																																																																																																											
1.013		S5021	70 93.796	-0.534	0.000	0.03																																																																																																																																																																																																																																																										
5.000		S5023	71 94.085	-0.435	0.000	0.01																																																																																																																																																																																																																																																										
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

JS Bloor (Wilmslow) Ltd		Page 52
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 1.0	OK
2.000		S8133 0.7	OK
1.001		S8134 2.6	OK
1.002		S8141 3.7	OK
1.003		S8139 4.0	OK
1.004		S8140 5.5	OK
1.005		S4008 6.5	OK
1.006		S4011 6.7	OK
1.007		S4012 7.9	OK
3.000		S8157 0.7	OK
3.001		S8159 1.6	OK
3.002		S8154 3.1	OK
3.003		S8155 4.1	OK
1.008		S5015 13.3	OK
1.009		S5016 13.3	OK
1.010	S5017 - PH4 Connection	14.5	OK
4.000		S5018 0.7	OK
1.011		S5019 15.4	OK
1.012	S5020 PH5 Connection	15.8	OK
1.013		S5021 16.6	OK
5.000		S5023 1.8	OK

JS Bloor (Wilmslow) Ltd		Page 53
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	71 93.738	-0.422	0.000	0.01		
6.000		S5026	71 94.301	-0.291	0.000	0.01		
6.001		S5027	71 93.784	-0.351	0.000	0.01		
5.002		S5028	71 93.551	-0.465	0.000	0.03		
1.014		S5029	70 93.461	-0.510	0.000	0.09		
1.015		S5030	70 93.423	-0.504	0.000	0.09		
1.016		S8121	71 93.388	-0.499	0.000	0.10		
1.017	S5036 - Headwall	72 93.376	-0.949	0.000	0.02			
7.000		S8135	71 96.202	-0.413	0.000	0.01		
7.001		S8136	71 96.144	-0.399	0.000	0.03		
7.002		S8137	71 96.083	-0.391	0.000	0.04		
7.003		S8161	71 96.024	-0.390	0.000	0.04		
8.000		S8151	71 96.188	-0.269	0.000	0.02		
7.004		S8162	71 95.948	-0.392	0.000	0.04		
7.005		S8152	71 95.739	-0.461	0.000	0.04		
9.000		S8144	71 96.259	-0.291	0.000	0.01		
9.001		S8145	71 96.011	-0.364	0.000	0.01		
7.006		S8146	71 95.625	-0.465	0.000	0.03		
10.000		S8165	71 95.549	-0.446	0.000	0.00		
10.001		S8164	71 95.417	-0.494	0.000	0.00		
7.007		S8147	71 95.413	-0.467	0.000	0.03		
7.008		S8150	71 95.090	-0.455	0.000	0.04		
7.009		S8149	71 94.936	-0.430	0.000	0.08		
11.000		S5037	71 95.164	-0.216	0.000	0.01		
11.001		S5038	71 94.950	-0.283	0.000	0.01		
11.002		S5039	71 94.878	-0.277	0.000	0.01		
12.000		S5040	71 95.184	-0.199	0.000	0.03		
7.010		S5041	71 94.839	-0.464	0.000	0.03		
7.011		S5042	71 94.389	-0.466	0.000	0.03		
7.012		S5047	70 93.577	-0.443	0.000	0.06		
7.013		S8167	70 93.418	-0.438	0.000	0.07		
7.014	S5048 - Headwall	72 93.378	-0.497	0.000	0.07			
1.018	S5049 - Headwall	72 93.363	-0.587	0.000	0.08			
1.019	S5050 Control Chamber	55 93.362	-0.088	0.000	0.11			

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	2.9	OK
6.000	S5026	0.7	OK
6.001	S5027	1.8	OK
5.002	S5028	5.2	OK
1.014	S5029	22.6	OK
1.015	S5030	22.7	OK
1.016	S8121	23.5	OK
1.017	S5036 - Headwall	24.7	OK*
7.000	S8135	1.9	OK

JS Bloor (Wilmslow) Ltd			Page 54	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 3.5	OK	
7.002		S8137 5.0	OK	
7.003		S8161 5.5	OK	
8.000		S8151 1.4	OK	
7.004		S8162 8.1	OK	
7.005		S8152 9.0	OK	
9.000		S8144 0.5	OK	
9.001		S8145 1.2	OK	
7.006		S8146 11.0	OK	
10.000		S8165 0.3	OK	
10.001		S8164 0.8	OK	
7.007		S8147 12.5	OK	
7.008		S8150 12.7	OK	
7.009		S8149 14.2	OK	
11.000		S5037 0.3	OK	
11.001		S5038 0.7	OK	
11.002		S5039 0.8	OK	
12.000		S5040 1.3	OK	
7.010		S5041 16.6	OK	
7.011		S5042 17.1	OK	
7.012		S5047 18.1	OK	
7.013		S8167 18.0	OK	
7.014	S5048 - Headwall	17.9	OK	
1.018	S5049 - Headwall	42.6	OK	
1.019	S5050 Control Chamber	10.4	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 55	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
Hot Start Level (mm)		0		Inlet Coefficient		0.800		
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000		
Foul Sewage per hectare (l/s)		0.000						
Number of Input Hydrographs				0		Number of Storage Structures		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 30.8	OK
2.000		S8133 23.9	OK
1.001		S8134 86.2	OK
1.002		S8141 122.2	OK
1.003		S8139 131.1	OK
1.004		S8140 177.3	OK
1.005		S4008 202.0	OK
1.006		S4011 203.5	OK
1.007		S4012 203.7	SURCHARGED
3.000		S8157 22.9	OK
3.001		S8159 56.1	OK
3.002		S8154 107.8	OK
3.003		S8155 120.5	OK
1.008		S5015 293.2	SURCHARGED
1.009		S5016 293.7	SURCHARGED
1.010	S5017 - PH4 Connection	307.3	SURCHARGED
4.000		S5018 21.6	OK
1.011		S5019 322.8	SURCHARGED
1.012	S5020 PH5 Connection	327.6	SURCHARGED
1.013		S5021 332.9	OK
5.000		S5023 57.8	OK

JS Bloor (Wilmslow) Ltd							Page 57																																																																																																																																																																																																																																																																																																																																					
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																																																																																												
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by																																																																																																																																																																																																																																																																																																																																									
Elstree Computing Ltd			Network 2020.1.3																																																																																																																																																																																																																																																																																																																																									
<u>Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																																																																																												
<table><tr><th></th><th></th><th></th><th></th><th>Water</th><th>Surcharged</th><th>Flooded</th><th></th><th>Half Drain</th></tr><tr><th>PN</th><th>US/MH Name</th><th>Storm Rank</th><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>5.001</td><td></td><td>S5025</td><td>13</td><td>94.232</td><td>0.072</td><td>0.000</td><td>0.36</td><td></td></tr><tr><td>6.000</td><td></td><td>S5026</td><td>10</td><td>94.386</td><td>-0.206</td><td>0.000</td><td>0.21</td><td></td></tr><tr><td>6.001</td><td></td><td>S5027</td><td>13</td><td>94.232</td><td>0.097</td><td>0.000</td><td>0.41</td><td></td></tr><tr><td>5.002</td><td></td><td>S5028</td><td>13</td><td>94.228</td><td>0.212</td><td>0.000</td><td>0.79</td><td></td></tr><tr><td>1.014</td><td></td><td>S5029</td><td>13</td><td>94.222</td><td>0.252</td><td>0.000</td><td>1.67</td><td></td></tr><tr><td>1.015</td><td></td><td>S5030</td><td>13</td><td>94.169</td><td>0.242</td><td>0.000</td><td>1.73</td><td></td></tr><tr><td>1.016</td><td></td><td>S8121</td><td>14</td><td>94.115</td><td>0.227</td><td>0.000</td><td>1.89</td><td></td></tr><tr><td>1.017</td><td>S5036 - Headwall</td><td>16</td><td>94.080</td><td>-0.245</td><td>0.000</td><td>0.37</td><td></td><td></td></tr><tr><td>7.000</td><td></td><td>S8135</td><td>8</td><td>96.464</td><td>-0.152</td><td>0.000</td><td>0.39</td><td></td></tr><tr><td>7.001</td><td></td><td>S8136</td><td>8</td><td>96.446</td><td>-0.097</td><td>0.000</td><td>0.59</td><td></td></tr><tr><td>7.002</td><td></td><td>S8137</td><td>8</td><td>96.411</td><td>-0.063</td><td>0.000</td><td>0.89</td><td></td></tr><tr><td>7.003</td><td></td><td>S8161</td><td>8</td><td>96.348</td><td>-0.066</td><td>0.000</td><td>0.93</td><td></td></tr><tr><td>8.000</td><td></td><td>S8151</td><td>8</td><td>96.355</td><td>-0.102</td><td>0.000</td><td>0.75</td><td></td></tr><tr><td>7.004</td><td></td><td>S8162</td><td>8</td><td>96.266</td><td>-0.073</td><td>0.000</td><td>1.00</td><td></td></tr><tr><td>7.005</td><td></td><td>S8152</td><td>8</td><td>96.057</td><td>-0.143</td><td>0.000</td><td>0.86</td><td></td></tr><tr><td>9.000</td><td></td><td>S8144</td><td>8</td><td>96.341</td><td>-0.209</td><td>0.000</td><td>0.20</td><td></td></tr><tr><td>9.001</td><td></td><td>S8145</td><td>8</td><td>96.116</td><td>-0.259</td><td>0.000</td><td>0.21</td><td></td></tr><tr><td>7.006</td><td></td><td>S8146</td><td>8</td><td>95.920</td><td>-0.170</td><td>0.000</td><td>0.77</td><td></td></tr><tr><td>10.000</td><td></td><td>S8165</td><td>9</td><td>95.779</td><td>-0.216</td><td>0.000</td><td>0.05</td><td></td></tr><tr><td>10.001</td><td></td><td>S8164</td><td>9</td><td>95.776</td><td>-0.135</td><td>0.000</td><td>0.12</td><td></td></tr><tr><td>7.007</td><td></td><td>S8147</td><td>9</td><td>95.773</td><td>-0.107</td><td>0.000</td><td>0.66</td><td></td></tr><tr><td>7.008</td><td></td><td>S8150</td><td>9</td><td>95.632</td><td>0.087</td><td>0.000</td><td>1.00</td><td></td></tr><tr><td>7.009</td><td></td><td>S8149</td><td>9</td><td>95.449</td><td>0.084</td><td>0.000</td><td>1.64</td><td></td></tr><tr><td>11.000</td><td></td><td>S5037</td><td>9</td><td>95.237</td><td>-0.143</td><td>0.000</td><td>0.28</td><td></td></tr><tr><td>11.001</td><td></td><td>S5038</td><td>9</td><td>95.134</td><td>-0.099</td><td>0.000</td><td>0.38</td><td></td></tr><tr><td>11.002</td><td></td><td>S5039</td><td>9</td><td>95.119</td><td>-0.037</td><td>0.000</td><td>0.35</td><td></td></tr><tr><td>12.000</td><td></td><td>S5040</td><td>9</td><td>95.408</td><td>0.026</td><td>0.000</td><td>1.02</td><td></td></tr><tr><td>7.010</td><td></td><td>S5041</td><td>9</td><td>95.103</td><td>-0.200</td><td>0.000</td><td>0.70</td><td></td></tr><tr><td>7.011</td><td></td><td>S5042</td><td>13</td><td>94.714</td><td>-0.141</td><td>0.000</td><td>0.61</td><td></td></tr><tr><td>7.012</td><td></td><td>S5047</td><td>13</td><td>94.458</td><td>0.438</td><td>0.000</td><td>1.16</td><td></td></tr><tr><td>7.013</td><td></td><td>S8167</td><td>13</td><td>94.299</td><td>0.444</td><td>0.000</td><td>1.30</td><td></td></tr><tr><td>7.014</td><td>S5048 - Headwall</td><td>13</td><td>94.137</td><td>0.262</td><td>0.000</td><td>1.35</td><td></td><td></td></tr><tr><td>1.018</td><td>S5049 - Headwall</td><td>17</td><td>94.060</td><td>0.110</td><td>0.000</td><td>1.38</td><td></td><td></td></tr><tr><td>1.019</td><td>S5050 Control Chamber</td><td>58</td><td>93.358</td><td>-0.092</td><td>0.000</td><td>0.11</td><td></td><td></td></tr></table>													Water	Surcharged	Flooded		Half Drain	PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	5.001		S5025	13	94.232	0.072	0.000	0.36		6.000		S5026	10	94.386	-0.206	0.000	0.21		6.001		S5027	13	94.232	0.097	0.000	0.41		5.002		S5028	13	94.228	0.212	0.000	0.79		1.014		S5029	13	94.222	0.252	0.000	1.67		1.015		S5030	13	94.169	0.242	0.000	1.73		1.016		S8121	14	94.115	0.227	0.000	1.89		1.017	S5036 - Headwall	16	94.080	-0.245	0.000	0.37			7.000		S8135	8	96.464	-0.152	0.000	0.39		7.001		S8136	8	96.446	-0.097	0.000	0.59		7.002		S8137	8	96.411	-0.063	0.000	0.89		7.003		S8161	8	96.348	-0.066	0.000	0.93		8.000		S8151	8	96.355	-0.102	0.000	0.75		7.004		S8162	8	96.266	-0.073	0.000	1.00		7.005		S8152	8	96.057	-0.143	0.000	0.86		9.000		S8144	8	96.341	-0.209	0.000	0.20		9.001		S8145	8	96.116	-0.259	0.000	0.21		7.006		S8146	8	95.920	-0.170	0.000	0.77		10.000		S8165	9	95.779	-0.216	0.000	0.05		10.001		S8164	9	95.776	-0.135	0.000	0.12		7.007		S8147	9	95.773	-0.107	0.000	0.66		7.008		S8150	9	95.632	0.087	0.000	1.00		7.009		S8149	9	95.449	0.084	0.000	1.64		11.000		S5037	9	95.237	-0.143	0.000	0.28		11.001		S5038	9	95.134	-0.099	0.000	0.38		11.002		S5039	9	95.119	-0.037	0.000	0.35		12.000		S5040	9	95.408	0.026	0.000	1.02		7.010		S5041	9	95.103	-0.200	0.000	0.70		7.011		S5042	13	94.714	-0.141	0.000	0.61		7.012		S5047	13	94.458	0.438	0.000	1.16		7.013		S8167	13	94.299	0.444	0.000	1.30		7.014	S5048 - Headwall	13	94.137	0.262	0.000	1.35			1.018	S5049 - Headwall	17	94.060	0.110	0.000	1.38			1.019	S5050 Control Chamber	58	93.358	-0.092	0.000	0.11		
				Water	Surcharged	Flooded		Half Drain																																																																																																																																																																																																																																																																																																																																				
PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																																																																																																				
5.001		S5025	13	94.232	0.072	0.000	0.36																																																																																																																																																																																																																																																																																																																																					
6.000		S5026	10	94.386	-0.206	0.000	0.21																																																																																																																																																																																																																																																																																																																																					
6.001		S5027	13	94.232	0.097	0.000	0.41																																																																																																																																																																																																																																																																																																																																					
5.002		S5028	13	94.228	0.212	0.000	0.79																																																																																																																																																																																																																																																																																																																																					
1.014		S5029	13	94.222	0.252	0.000	1.67																																																																																																																																																																																																																																																																																																																																					
1.015		S5030	13	94.169	0.242	0.000	1.73																																																																																																																																																																																																																																																																																																																																					
1.016		S8121	14	94.115	0.227	0.000	1.89																																																																																																																																																																																																																																																																																																																																					
1.017	S5036 - Headwall	16	94.080	-0.245	0.000	0.37																																																																																																																																																																																																																																																																																																																																						
7.000		S8135	8	96.464	-0.152	0.000	0.39																																																																																																																																																																																																																																																																																																																																					
7.001		S8136	8	96.446	-0.097	0.000	0.59																																																																																																																																																																																																																																																																																																																																					
7.002		S8137	8	96.411	-0.063	0.000	0.89																																																																																																																																																																																																																																																																																																																																					
7.003		S8161	8	96.348	-0.066	0.000	0.93																																																																																																																																																																																																																																																																																																																																					
8.000		S8151	8	96.355	-0.102	0.000	0.75																																																																																																																																																																																																																																																																																																																																					
7.004		S8162	8	96.266	-0.073	0.000	1.00																																																																																																																																																																																																																																																																																																																																					
7.005		S8152	8	96.057	-0.143	0.000	0.86																																																																																																																																																																																																																																																																																																																																					
9.000		S8144	8	96.341	-0.209	0.000	0.20																																																																																																																																																																																																																																																																																																																																					
9.001		S8145	8	96.116	-0.259	0.000	0.21																																																																																																																																																																																																																																																																																																																																					
7.006		S8146	8	95.920	-0.170	0.000	0.77																																																																																																																																																																																																																																																																																																																																					
10.000		S8165	9	95.779	-0.216	0.000	0.05																																																																																																																																																																																																																																																																																																																																					
10.001		S8164	9	95.776	-0.135	0.000	0.12																																																																																																																																																																																																																																																																																																																																					
7.007		S8147	9	95.773	-0.107	0.000	0.66																																																																																																																																																																																																																																																																																																																																					
7.008		S8150	9	95.632	0.087	0.000	1.00																																																																																																																																																																																																																																																																																																																																					
7.009		S8149	9	95.449	0.084	0.000	1.64																																																																																																																																																																																																																																																																																																																																					
11.000		S5037	9	95.237	-0.143	0.000	0.28																																																																																																																																																																																																																																																																																																																																					
11.001		S5038	9	95.134	-0.099	0.000	0.38																																																																																																																																																																																																																																																																																																																																					
11.002		S5039	9	95.119	-0.037	0.000	0.35																																																																																																																																																																																																																																																																																																																																					
12.000		S5040	9	95.408	0.026	0.000	1.02																																																																																																																																																																																																																																																																																																																																					
7.010		S5041	9	95.103	-0.200	0.000	0.70																																																																																																																																																																																																																																																																																																																																					
7.011		S5042	13	94.714	-0.141	0.000	0.61																																																																																																																																																																																																																																																																																																																																					
7.012		S5047	13	94.458	0.438	0.000	1.16																																																																																																																																																																																																																																																																																																																																					
7.013		S8167	13	94.299	0.444	0.000	1.30																																																																																																																																																																																																																																																																																																																																					
7.014	S5048 - Headwall	13	94.137	0.262	0.000	1.35																																																																																																																																																																																																																																																																																																																																						
1.018	S5049 - Headwall	17	94.060	0.110	0.000	1.38																																																																																																																																																																																																																																																																																																																																						
1.019	S5050 Control Chamber	58	93.358	-0.092	0.000	0.11																																																																																																																																																																																																																																																																																																																																						
<table><tr><th></th><th></th><th></th><th>Pipe Flow (l/s)</th><th>Status</th></tr><tr><td></td><td>PN</td><td>US/MH Name</td><td></td><td></td></tr><tr><td></td><td>5.001</td><td></td><td>S5025 80.0</td><td>SURCHARGED</td></tr><tr><td></td><td>6.000</td><td></td><td>S5026 22.8</td><td>OK</td></tr><tr><td></td><td>6.001</td><td></td><td>S5027 54.3</td><td>SURCHARGED</td></tr><tr><td></td><td>5.002</td><td></td><td>S5028 135.7</td><td>SURCHARGED</td></tr><tr><td></td><td>1.014</td><td></td><td>S5029 441.1</td><td>SURCHARGED</td></tr><tr><td></td><td>1.015</td><td></td><td>S5030 432.0</td><td>SURCHARGED</td></tr><tr><td></td><td>1.016</td><td></td><td>S8121 434.0</td><td>SURCHARGED</td></tr><tr><td></td><td>1.017</td><td>S5036 - Headwall</td><td>416.0</td><td>OK*</td></tr><tr><td></td><td>7.000</td><td></td><td>S8135 54.7</td><td>OK</td></tr></table>												Pipe Flow (l/s)	Status		PN	US/MH Name				5.001		S5025 80.0	SURCHARGED		6.000		S5026 22.8	OK		6.001		S5027 54.3	SURCHARGED		5.002		S5028 135.7	SURCHARGED		1.014		S5029 441.1	SURCHARGED		1.015		S5030 432.0	SURCHARGED		1.016		S8121 434.0	SURCHARGED		1.017	S5036 - Headwall	416.0	OK*		7.000		S8135 54.7	OK																																																																																																																																																																																																																																																																													
			Pipe Flow (l/s)	Status																																																																																																																																																																																																																																																																																																																																								
	PN	US/MH Name																																																																																																																																																																																																																																																																																																																																										
	5.001		S5025 80.0	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	6.000		S5026 22.8	OK																																																																																																																																																																																																																																																																																																																																								
	6.001		S5027 54.3	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	5.002		S5028 135.7	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	1.014		S5029 441.1	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	1.015		S5030 432.0	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	1.016		S8121 434.0	SURCHARGED																																																																																																																																																																																																																																																																																																																																								
	1.017	S5036 - Headwall	416.0	OK*																																																																																																																																																																																																																																																																																																																																								
	7.000		S8135 54.7	OK																																																																																																																																																																																																																																																																																																																																								
©1982-2020 Innovyze																																																																																																																																																																																																																																																																																																																																												

JS Bloor (Wilmslow) Ltd			Page 58
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 82.2	OK
7.002		S8137 120.9	OK
7.003		S8161 129.6	OK
8.000		S8151 45.3	OK
7.004		S8162 197.2	OK
7.005		S8152 218.2	OK
9.000		S8144 16.1	OK
9.001		S8145 42.3	OK
7.006		S8146 269.9	OK
10.000		S8165 9.0	OK
10.001		S8164 20.9	OK
7.007		S8147 291.8	OK
7.008		S8150 290.4	SURCHARGED
7.009		S8149 306.7	SURCHARGED
11.000		S5037 10.4	OK
11.001		S5038 23.7	OK
11.002		S5039 21.4	OK
12.000		S5040 39.1	SURCHARGED
7.010		S5041 358.4	OK
7.011		S5042 357.6	OK
7.012		S5047 360.6	SURCHARGED
7.013		S8167 360.1	SURCHARGED
7.014	S5048 - Headwall	342.8	SURCHARGED
1.018	S5049 - Headwall	693.8	SURCHARGED
1.019	S5050 Control Chamber	10.4	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 59
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	3
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	0.413
Region England and Wales	Cv (Summer)		0.750
M5-60 (mm)	19.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	Fine	Inertia Status	OFF
DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)	Flow / Overflow Cap. (l/s)			
1.000		S8142	9 96.836	-0.279	0.000	0.15			
2.000		S8133	9 97.485	-0.225	0.000	0.14			
1.001		S8134	9 96.304	-0.246	0.000	0.42			
1.002		S8141	9 96.138	-0.307	0.000	0.36			
1.003		S8139	9 95.927	-0.328	0.000	0.30			
1.004		S8140	9 95.662	-0.183	0.000	0.40			
1.005		S4008	7 95.626	0.000	0.000	1.02			
1.006		S4011	10 95.296	-0.293	0.000	0.40			
1.007		S4012	11 95.124	0.039	0.000	0.59			
3.000		S8157	9 96.002	-0.303	0.000	0.08			
3.001		S8159	10 95.177	-0.303	0.000	0.23			
3.002		S8154	11 95.077	-0.263	0.000	0.32			
3.003		S8155	11 95.058	-0.107	0.000	0.26			
1.008		S5015	11 95.041	0.196	0.000	0.99			
1.009		S5016	11 94.905	0.200	0.000	0.76			
1.010	S5017 - PH4 Connection	11	94.772	0.297	0.000	1.44			
4.000		S5018	9 95.166	-0.238	0.000	0.09			
1.011		S5019	12 94.619	0.214	0.000	1.97			
1.012	S5020 PH5 Connection	12	94.451	0.011	0.000	1.75			
1.013		S5021	12 94.326	-0.004	0.000	0.54			
5.000		S5023	12 94.286	-0.234	0.000	0.20			

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd							Page 61	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 62
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 81.3	OK
7.002		S8137 117.5	OK
7.003		S8161 126.8	OK
8.000		S8151 40.9	OK
7.004		S8162 190.0	OK
7.005		S8152 210.3	OK
9.000		S8144 14.6	OK
9.001		S8145 36.4	OK
7.006		S8146 258.6	OK
10.000		S8165 8.0	OK
10.001		S8164 20.3	OK
7.007		S8147 281.8	OK
7.008		S8150 281.0	SURCHARGED
7.009		S8149 303.4	SURCHARGED
11.000		S5037 9.4	OK
11.001		S5038 20.9	OK
11.002		S5039 20.0	OK
12.000		S5040 35.4	OK
7.010		S5041 351.7	OK
7.011		S5042 354.6	OK
7.012		S5047 356.9	SURCHARGED
7.013		S8167 355.0	SURCHARGED
7.014	S5048 - Headwall	338.7	SURCHARGED
1.018	S5049 - Headwall	722.6	SURCHARGED
1.019	S5050 Control Chamber	11.1	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 63
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	3
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	0.413
Region England and Wales Cv (Summer)	0.750		
M5-60 (mm)	19.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	Fine	Inertia Status	OFF
DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)
1.000		S8142	12 96.822	-0.293	0.000	0.11	
2.000		S8133	12 97.474	-0.236	0.000	0.10	
1.001		S8134	12 96.271	-0.279	0.000	0.30	
1.002		S8141	12 96.103	-0.342	0.000	0.25	
1.003		S8139	12 95.898	-0.357	0.000	0.22	
1.004		S8140	12 95.526	-0.319	0.000	0.32	
1.005		S4008	12 95.473	-0.153	0.000	0.83	
1.006		S4011	12 95.268	-0.321	0.000	0.32	
1.007		S4012	13 94.927	-0.158	0.000	0.49	
3.000		S8157	12 95.989	-0.316	0.000	0.06	
3.001		S8159	12 95.153	-0.327	0.000	0.16	
3.002		S8154	13 94.989	-0.351	0.000	0.23	
3.003		S8155	14 94.886	-0.279	0.000	0.20	
1.008		S5015	14 94.869	0.024	0.000	0.85	
1.009		S5016	14 94.766	0.061	0.000	0.66	
1.010	S5017 - PH4 Connection	14	94.682	0.207	0.000	1.25	
4.000		S5018	12 95.155	-0.249	0.000	0.07	
1.011		S5019	14 94.568	0.163	0.000	1.72	
1.012	S5020 PH5 Connection	16	94.440	0.000	0.000	1.53	
1.013		S5021	14 94.226	-0.104	0.000	0.48	
5.000		S5023	14 94.211	-0.309	0.000	0.14	

©1982-2020 Innovyze

Dean Court 85 Adllington Road Wilmslow SK9 1BT
--

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Micro
Drainage

Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 19.7	OK
2.000		S8133 15.4	OK
1.001		S8134 54.1	OK
1.002		S8141 76.3	OK
1.003		S8139 83.0	OK
1.004		S8140 113.9	OK
1.005		S4008 135.6	OK
1.006		S4011 140.0	OK
1.007		S4012 153.8	OK
3.000		S8157 14.7	OK
3.001		S8159 34.6	OK
3.002		S8154 65.8	OK
3.003		S8155 84.9	OK
1.008		S5015 241.3	SURCHARGED
1.009		S5016 241.7	SURCHARGED
1.010	S5017 - PH4 Connection	258.8	SURCHARGED
4.000		S5018 13.8	OK
1.011		S5019 273.1	SURCHARGED
1.012	S5020 PH5 Connection	279.6	OK
1.013		S5021 285.7	OK
5.000		S5023 37.0	OK

JS Bloor (Wilmslow) Ltd							Page 65	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	14	94.197	0.037	0.000	0.23	
6.000		S5026	14	94.366	-0.226	0.000	0.14	
6.001		S5027	14	94.198	0.063	0.000	0.26	
5.002		S5028	14	94.188	0.172	0.000	0.53	
1.014		S5029	14	94.175	0.205	0.000	1.41	
1.015		S5030	14	94.125	0.198	0.000	1.49	
1.016		S8121	17	94.076	0.189	0.000	1.66	
1.017	S5036 - Headwall	19	94.047	-0.278	0.000	0.34		
7.000		S8135	13	96.394	-0.221	0.000	0.26	
7.001		S8136	13	96.371	-0.172	0.000	0.47	
7.002		S8137	13	96.329	-0.145	0.000	0.69	
7.003		S8161	13	96.269	-0.145	0.000	0.72	
8.000		S8151	12	96.307	-0.150	0.000	0.48	
7.004		S8162	13	96.188	-0.151	0.000	0.76	
7.005		S8152	13	95.990	-0.210	0.000	0.65	
9.000		S8144	12	96.322	-0.228	0.000	0.13	
9.001		S8145	12	96.090	-0.285	0.000	0.13	
7.006		S8146	13	95.856	-0.234	0.000	0.58	
10.000		S8165	13	95.640	-0.355	0.000	0.04	
10.001		S8164	13	95.631	-0.281	0.000	0.08	
7.007		S8147	13	95.628	-0.252	0.000	0.52	
7.008		S8150	13	95.513	-0.032	0.000	0.80	
7.009		S8149	14	95.394	0.029	0.000	1.36	
11.000		S5037	12	95.220	-0.160	0.000	0.18	
11.001		S5038	14	95.087	-0.146	0.000	0.24	
11.002		S5039	14	95.076	-0.080	0.000	0.23	
12.000		S5040	12	95.296	-0.087	0.000	0.67	
7.010		S5041	14	95.064	-0.239	0.000	0.57	
7.011		S5042	14	94.598	-0.257	0.000	0.51	
7.012		S5047	14	94.354	0.334	0.000	0.97	
7.013		S8167	14	94.215	0.359	0.000	1.08	
7.014	S5048 - Headwall	17	94.077	0.202	0.000	1.16		
1.018	S5049 - Headwall	19	94.026	0.076	0.000	1.24		
1.019	S5050 Control Chamber	44	93.472	0.022	0.000	0.12		

JS Bloor (Wilmslow) Ltd			Page 66
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 64.6	OK
7.002		S8137 93.2	OK
7.003		S8161 100.4	OK
8.000		S8151 29.1	OK
7.004		S8162 149.3	OK
7.005		S8152 165.4	OK
9.000		S8144 10.3	OK
9.001		S8145 26.1	OK
7.006		S8146 203.1	OK
10.000		S8165 6.0	OK
10.001		S8164 14.4	OK
7.007		S8147 231.9	OK
7.008		S8150 232.7	OK
7.009		S8149 255.4	SURCHARGED
11.000		S5037 6.6	OK
11.001		S5038 14.9	OK
11.002		S5039 14.4	OK
12.000		S5040 25.8	OK
7.010		S5041 295.0	OK
7.011		S5042 301.4	OK
7.012		S5047 300.4	SURCHARGED
7.013		S8167 298.3	SURCHARGED
7.014	S5048 - Headwall	295.8	SURCHARGED
1.018	S5049 - Headwall	626.0	SURCHARGED
1.019	S5050 Control Chamber	11.6	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 69	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	26	94.003	-0.157	0.000	0.16		
6.000	S5026	19	94.352	-0.240	0.000	0.09		
6.001	S5027	26	94.003	-0.132	0.000	0.17		
5.002	S5028	28	93.989	-0.027	0.000	0.34		
1.014	S5029	29	93.972	0.002	0.000	1.03		
1.015	S5030	31	93.929	0.002	0.000	1.08		
1.016	S8121	31	93.887	0.000	0.000	1.20		
1.017	S5036 - Headwall	31	93.829	-0.496	0.000	0.25		
7.000	S8135	18	96.338	-0.277	0.000	0.17		
7.001	S8136	18	96.309	-0.233	0.000	0.32		
7.002	S8137	18	96.264	-0.210	0.000	0.47		
7.003	S8161	18	96.205	-0.209	0.000	0.50		
8.000	S8151	19	96.272	-0.185	0.000	0.31		
7.004	S8162	18	96.125	-0.214	0.000	0.52		
7.005	S8152	18	95.926	-0.274	0.000	0.45		
9.000	S8144	19	96.307	-0.243	0.000	0.08		
9.001	S8145	18	96.071	-0.304	0.000	0.08		
7.006	S8146	18	95.799	-0.291	0.000	0.40		
10.000	S8165	18	95.603	-0.392	0.000	0.02		
10.001	S8164	18	95.578	-0.334	0.000	0.06		
7.007	S8147	18	95.576	-0.304	0.000	0.36		
7.008	S8150	18	95.333	-0.212	0.000	0.55		
7.009	S8149	18	95.251	-0.115	0.000	0.95		
11.000	S5037	19	95.206	-0.174	0.000	0.12		
11.001	S5038	18	95.041	-0.192	0.000	0.16		
11.002	S5039	18	95.022	-0.134	0.000	0.16		
12.000	S5040	19	95.262	-0.121	0.000	0.43		
7.010	S5041	18	95.012	-0.291	0.000	0.40		
7.011	S5042	18	94.550	-0.305	0.000	0.36		
7.012	S5047	29	93.973	-0.047	0.000	0.71		
7.013	S8167	31	93.927	0.072	0.000	0.80		
7.014	S5048 - Headwall	31	93.886	0.011	0.000	0.86		
1.018	S5049 - Headwall	31	93.791	-0.159	0.000	0.99		
1.019	S5050 Control Chamber	41	93.527	0.077	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 70
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 44.7	OK
7.002		S8137 64.2	OK
7.003		S8161 69.5	OK
8.000		S8151 19.0	OK
7.004		S8162 102.9	OK
7.005		S8152 114.2	OK
9.000		S8144 6.7	OK
9.001		S8145 16.5	OK
7.006		S8146 139.8	OK
10.000		S8165 4.0	OK
10.001		S8164 9.9	OK
7.007		S8147 159.5	OK
7.008		S8150 159.1	OK
7.009		S8149 178.1	OK
11.000		S5037 4.3	OK
11.001		S5038 9.7	OK
11.002		S5039 9.9	OK
12.000		S5040 16.7	OK
7.010		S5041 205.9	OK
7.011		S5042 213.1	OK
7.012		S5047 222.0	OK
7.013		S8167 221.7	SURCHARGED
7.014	S5048 - Headwall	219.0	SURCHARGED
1.018	S5049 - Headwall	496.8	OK
1.019	S5050 Control Chamber	11.9	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 71																																																																																																																																																																																																																																																									
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																																										
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																																																																																																																																																																																																																																																										
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		3																																																																																																																																																																																																																																																								
Number of Online Controls				1		Number of Time/Area Diagrams		0																																																																																																																																																																																																																																																								
Number of Offline Controls				0		Number of Real Time Controls		0																																																																																																																																																																																																																																																								
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model		FSR		Ratio R		0.413																																																																																																																																																																																																																																																										
Region England and Wales		Cv (Summer)		0.750																																																																																																																																																																																																																																																												
M5-60 (mm)		19.500		Cv (Winter)		0.840																																																																																																																																																																																																																																																										
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																																																																																																																																																																																																																																																								
Analysis Timestep				Fine		Inertia Status		OFF																																																																																																																																																																																																																																																								
DTS 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)		1, 30, 100																																																																																																																																																																																																																																																														
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																																														
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>25</td><td>96.796</td><td>-0.319</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>25</td><td>97.453</td><td>-0.257</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>24</td><td>96.216</td><td>-0.334</td><td>0.000</td><td>0.15</td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>24</td><td>96.044</td><td>-0.401</td><td>0.000</td><td>0.13</td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>24</td><td>95.845</td><td>-0.410</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>23</td><td>95.460</td><td>-0.385</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>24</td><td>95.338</td><td>-0.288</td><td>0.000</td><td>0.41</td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>24</td><td>95.205</td><td>-0.384</td><td>0.000</td><td>0.16</td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>24</td><td>94.742</td><td>-0.343</td><td>0.000</td><td>0.26</td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>25</td><td>95.972</td><td>-0.333</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>24</td><td>95.116</td><td>-0.364</td><td>0.000</td><td>0.08</td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>24</td><td>94.933</td><td>-0.407</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>24</td><td>94.751</td><td>-0.414</td><td>0.000</td><td>0.10</td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>23</td><td>94.579</td><td>-0.266</td><td>0.000</td><td>0.48</td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>23</td><td>94.422</td><td>-0.283</td><td>0.000</td><td>0.37</td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>22</td><td>94.372</td><td>-0.103</td><td>0.000</td><td>0.71</td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>25</td><td>95.140</td><td>-0.264</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>22</td><td>94.330</td><td>-0.075</td><td>0.000</td><td>0.98</td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>22</td><td>94.277</td><td>-0.163</td><td>0.000</td><td>0.87</td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>33</td><td>93.949</td><td>-0.381</td><td>0.000</td><td>0.28</td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>25</td><td>94.151</td><td>-0.369</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	25	96.796	-0.319	0.000	0.05				2.000		S8133	25	97.453	-0.257	0.000	0.05				1.001		S8134	24	96.216	-0.334	0.000	0.15				1.002		S8141	24	96.044	-0.401	0.000	0.13				1.003		S8139	24	95.845	-0.410	0.000	0.11				1.004		S8140	23	95.460	-0.385	0.000	0.16				1.005		S4008	24	95.338	-0.288	0.000	0.41				1.006		S4011	24	95.205	-0.384	0.000	0.16				1.007		S4012	24	94.742	-0.343	0.000	0.26				3.000		S8157	25	95.972	-0.333	0.000	0.03				3.001		S8159	24	95.116	-0.364	0.000	0.08				3.002		S8154	24	94.933	-0.407	0.000	0.11				3.003		S8155	24	94.751	-0.414	0.000	0.10				1.008		S5015	23	94.579	-0.266	0.000	0.48				1.009		S5016	23	94.422	-0.283	0.000	0.37				1.010	S5017 - PH4 Connection	22	94.372	-0.103	0.000	0.71					4.000		S5018	25	95.140	-0.264	0.000	0.03				1.011		S5019	22	94.330	-0.075	0.000	0.98				1.012	S5020 PH5 Connection	22	94.277	-0.163	0.000	0.87					1.013		S5021	33	93.949	-0.381	0.000	0.28				5.000		S5023	25	94.151	-0.369	0.000	0.07			
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	25	96.796	-0.319	0.000	0.05																																																																																																																																																																																																																																																									
2.000		S8133	25	97.453	-0.257	0.000	0.05																																																																																																																																																																																																																																																									
1.001		S8134	24	96.216	-0.334	0.000	0.15																																																																																																																																																																																																																																																									
1.002		S8141	24	96.044	-0.401	0.000	0.13																																																																																																																																																																																																																																																									
1.003		S8139	24	95.845	-0.410	0.000	0.11																																																																																																																																																																																																																																																									
1.004		S8140	23	95.460	-0.385	0.000	0.16																																																																																																																																																																																																																																																									
1.005		S4008	24	95.338	-0.288	0.000	0.41																																																																																																																																																																																																																																																									
1.006		S4011	24	95.205	-0.384	0.000	0.16																																																																																																																																																																																																																																																									
1.007		S4012	24	94.742	-0.343	0.000	0.26																																																																																																																																																																																																																																																									
3.000		S8157	25	95.972	-0.333	0.000	0.03																																																																																																																																																																																																																																																									
3.001		S8159	24	95.116	-0.364	0.000	0.08																																																																																																																																																																																																																																																									
3.002		S8154	24	94.933	-0.407	0.000	0.11																																																																																																																																																																																																																																																									
3.003		S8155	24	94.751	-0.414	0.000	0.10																																																																																																																																																																																																																																																									
1.008		S5015	23	94.579	-0.266	0.000	0.48																																																																																																																																																																																																																																																									
1.009		S5016	23	94.422	-0.283	0.000	0.37																																																																																																																																																																																																																																																									
1.010	S5017 - PH4 Connection	22	94.372	-0.103	0.000	0.71																																																																																																																																																																																																																																																										
4.000		S5018	25	95.140	-0.264	0.000	0.03																																																																																																																																																																																																																																																									
1.011		S5019	22	94.330	-0.075	0.000	0.98																																																																																																																																																																																																																																																									
1.012	S5020 PH5 Connection	22	94.277	-0.163	0.000	0.87																																																																																																																																																																																																																																																										
1.013		S5021	33	93.949	-0.381	0.000	0.28																																																																																																																																																																																																																																																									
5.000		S5023	25	94.151	-0.369	0.000	0.07																																																																																																																																																																																																																																																									
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

JS Bloor (Wilmslow) Ltd			Page 72	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 10.1	OK	
2.000		S8133 7.9	OK	
1.001		S8134 27.4	OK	
1.002		S8141 38.7	OK	
1.003		S8139 41.1	OK	
1.004		S8140 56.6	OK	
1.005		S4008 66.9	OK	
1.006		S4011 69.1	OK	
1.007		S4012 81.6	OK	
3.000		S8157 7.5	OK	
3.001		S8159 17.1	OK	
3.002		S8154 32.8	OK	
3.003		S8155 43.0	OK	
1.008		S5015 136.1	OK	
1.009		S5016 136.3	OK	
1.010	S5017 - PH4 Connection	147.2	OK	
4.000		S5018 7.0	OK	
1.011		S5019 155.3	OK	
1.012	S5020 PH5 Connection	159.2	OK	
1.013		S5021 166.4	OK	
5.000		S5023 19.0	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd			Page 74
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 35.3	OK
7.002		S8137 50.5	OK
7.003		S8161 55.5	OK
8.000		S8151 14.9	OK
7.004		S8162 81.5	OK
7.005		S8152 90.8	OK
9.000		S8144 5.3	OK
9.001		S8145 12.9	OK
7.006		S8146 110.5	OK
10.000		S8165 3.1	OK
10.001		S8164 7.7	OK
7.007		S8147 126.2	OK
7.008		S8150 127.8	OK
7.009		S8149 140.6	OK
11.000		S5037 3.4	OK
11.001		S5038 7.7	OK
11.002		S5039 7.7	OK
12.000		S5040 13.1	OK
7.010		S5041 163.7	OK
7.011		S5042 168.1	OK
7.012		S5047 176.4	OK
7.013		S8167 176.3	OK
7.014	S5048 - Headwall	175.6	OK
1.018	S5049 - Headwall	405.4	OK
1.019	S5050 Control Chamber	12.0	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 75
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	3
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	0.413
Region England and Wales Cv (Summer)	0.750		
M5-60 (mm)	19.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	Fine	Inertia Status	OFF
DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain Time (mins)
			Level (m)	Depth (m)	Volume (m³)	Flow / Overflow Cap. (l/s)			
1.000		S8142	29	96.790	-0.325	0.000	0.04		
2.000		S8133	29	97.449	-0.261	0.000	0.04		
1.001		S8134	29	96.204	-0.346	0.000	0.12		
1.002		S8141	28	96.032	-0.413	0.000	0.10		
1.003		S8139	28	95.834	-0.421	0.000	0.09		
1.004		S8140	28	95.445	-0.400	0.000	0.13		
1.005		S4008	28	95.312	-0.314	0.000	0.34		
1.006		S4011	28	95.190	-0.399	0.000	0.13		
1.007		S4012	28	94.723	-0.362	0.000	0.21		
3.000		S8157	29	95.969	-0.336	0.000	0.02		
3.001		S8159	28	95.105	-0.375	0.000	0.07		
3.002		S8154	28	94.922	-0.418	0.000	0.09		
3.003		S8155	28	94.739	-0.426	0.000	0.08		
1.008		S5015	28	94.549	-0.296	0.000	0.39		
1.009		S5016	28	94.381	-0.324	0.000	0.30		
1.010	S5017 - PH4 Connection	28	94.312	-0.163	0.000	0.58			
4.000		S5018	29	95.137	-0.267	0.000	0.03		
1.011		S5019	28	94.268	-0.137	0.000	0.80		
1.012	S5020 PH5 Connection	28	94.222	-0.218	0.000	0.72			
1.013		S5021	38	93.925	-0.405	0.000	0.23		
5.000		S5023	29	94.141	-0.379	0.000	0.06		

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd			Page 76	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 8.2	OK	
2.000		S8133 6.3	OK	
1.001		S8134 22.2	OK	
1.002		S8141 31.3	OK	
1.003		S8139 33.5	OK	
1.004		S8140 46.2	OK	
1.005		S4008 55.0	OK	
1.006		S4011 56.8	OK	
1.007		S4012 67.0	OK	
3.000		S8157 6.0	OK	
3.001		S8159 13.8	OK	
3.002		S8154 26.5	OK	
3.003		S8155 34.9	OK	
1.008		S5015 111.8	OK	
1.009		S5016 111.4	OK	
1.010	S5017 - PH4 Connection	120.1	OK	
4.000		S5018 5.6	OK	
1.011		S5019 126.9	OK	
1.012	S5020 PH5 Connection	131.8	OK	
1.013		S5021 138.3	OK	
5.000		S5023 15.3	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 77	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	34	93.843	-0.317	0.000	0.11		
6.000	S5026	29	94.338	-0.254	0.000	0.06		
6.001	S5027	36	93.858	-0.277	0.000	0.12		
5.002	S5028	34	93.827	-0.190	0.000	0.24		
1.014	S5029	34	93.816	-0.154	0.000	0.70		
1.015	S5030	34	93.767	-0.160	0.000	0.74		
1.016	S8121	34	93.713	-0.174	0.000	0.83		
1.017	S5036 - Headwall	34	93.695	-0.630	0.000	0.18		
7.000	S8135	29	96.294	-0.322	0.000	0.11		
7.001	S8136	29	96.257	-0.286	0.000	0.21		
7.002	S8137	29	96.209	-0.265	0.000	0.31		
7.003	S8161	29	96.150	-0.264	0.000	0.32		
8.000	S8151	29	96.248	-0.209	0.000	0.20		
7.004	S8162	28	96.071	-0.268	0.000	0.34		
7.005	S8152	29	95.870	-0.330	0.000	0.29		
9.000	S8144	29	96.294	-0.256	0.000	0.05		
9.001	S8145	28	96.054	-0.321	0.000	0.05		
7.006	S8146	28	95.747	-0.343	0.000	0.26		
10.000	S8165	28	95.582	-0.413	0.000	0.02		
10.001	S8164	28	95.529	-0.382	0.000	0.04		
7.007	S8147	28	95.528	-0.352	0.000	0.23		
7.008	S8150	29	95.245	-0.300	0.000	0.36		
7.009	S8149	29	95.143	-0.222	0.000	0.62		
11.000	S5037	29	95.195	-0.185	0.000	0.07		
11.001	S5038	29	95.005	-0.228	0.000	0.10		
11.002	S5039	27	94.969	-0.186	0.000	0.10		
12.000	S5040	29	95.238	-0.145	0.000	0.28		
7.010	S5041	28	94.962	-0.341	0.000	0.26		
7.011	S5042	28	94.504	-0.351	0.000	0.24		
7.012	S5047	35	93.761	-0.259	0.000	0.48		
7.013	S8167	34	93.734	-0.121	0.000	0.53		
7.014	S5048 - Headwall	34	93.713	-0.162	0.000	0.58		
1.018	S5049 - Headwall	39	93.656	-0.294	0.000	0.68		
1.019	S5050 Control Chamber	37	93.572	0.122	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 78
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 28.9	OK
7.002		S8137 41.6	OK
7.003		S8161 45.2	OK
8.000		S8151 12.0	OK
7.004		S8162 66.8	OK
7.005		S8152 74.4	OK
9.000		S8144 4.3	OK
9.001		S8145 10.4	OK
7.006		S8146 90.9	OK
10.000		S8165 2.5	OK
10.001		S8164 6.3	OK
7.007		S8147 103.7	OK
7.008		S8150 104.3	OK
7.009		S8149 116.6	OK
11.000		S5037 2.7	OK
11.001		S5038 6.2	OK
11.002		S5039 6.5	OK
12.000		S5040 10.6	OK
7.010		S5041 135.7	OK
7.011		S5042 140.4	OK
7.012		S5047 147.8	OK
7.013		S8167 147.7	OK
7.014	S5048 - Headwall	147.4	OK
1.018	S5049 - Headwall	343.6	OK
1.019	S5050 Control Chamber	12.1	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 81	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 360 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	43	93.798	-0.362	0.000	0.08		
6.000	S5026	37	94.331	-0.261	0.000	0.04		
6.001	S5027	43	93.833	-0.302	0.000	0.08		
5.002	S5028	43	93.747	-0.270	0.000	0.19		
1.014	S5029	43	93.736	-0.234	0.000	0.52		
1.015	S5030	43	93.689	-0.238	0.000	0.55		
1.016	S8121	49	93.639	-0.248	0.000	0.62		
1.017	S5036 - Headwall	49	93.621	-0.704	0.000	0.13		
7.000	S8135	37	96.271	-0.344	0.000	0.08		
7.001	S8136	37	96.231	-0.312	0.000	0.16		
7.002	S8137	37	96.180	-0.294	0.000	0.23		
7.003	S8161	37	96.121	-0.293	0.000	0.24		
8.000	S8151	37	96.233	-0.224	0.000	0.15		
7.004	S8162	37	96.043	-0.297	0.000	0.25		
7.005	S8152	37	95.841	-0.359	0.000	0.22		
9.000	S8144	37	96.288	-0.262	0.000	0.04		
9.001	S8145	37	96.046	-0.329	0.000	0.04		
7.006	S8146	37	95.721	-0.369	0.000	0.19		
10.000	S8165	37	95.569	-0.426	0.000	0.01		
10.001	S8164	37	95.504	-0.408	0.000	0.03		
7.007	S8147	37	95.502	-0.378	0.000	0.17		
7.008	S8150	37	95.205	-0.340	0.000	0.27		
7.009	S8149	37	95.093	-0.273	0.000	0.46		
11.000	S5037	37	95.188	-0.191	0.000	0.05		
11.001	S5038	37	94.992	-0.241	0.000	0.07		
11.002	S5039	37	94.946	-0.210	0.000	0.08		
12.000	S5040	37	95.226	-0.157	0.000	0.20		
7.010	S5041	37	94.937	-0.366	0.000	0.20		
7.011	S5042	37	94.480	-0.375	0.000	0.18		
7.012	S5047	43	93.712	-0.308	0.000	0.35		
7.013	S8167	49	93.649	-0.206	0.000	0.40		
7.014	S5048 - Headwall	49	93.632	-0.243	0.000	0.43		
1.018	S5049 - Headwall	53	93.596	-0.354	0.000	0.52		
1.019	S5050 Control Chamber	36	93.595	0.145	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 82
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 360 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 21.7	OK
7.002		S8137 31.1	OK
7.003		S8161 33.9	OK
8.000		S8151 8.8	OK
7.004		S8162 49.9	OK
7.005		S8152 55.6	OK
9.000		S8144 3.1	OK
9.001		S8145 7.6	OK
7.006		S8146 67.6	OK
10.000		S8165 1.9	OK
10.001		S8164 4.6	OK
7.007		S8147 77.1	OK
7.008		S8150 77.9	OK
7.009		S8149 86.4	OK
11.000		S5037 2.0	OK
11.001		S5038 4.5	OK
11.002		S5039 4.8	OK
12.000		S5040 7.8	OK
7.010		S5041 101.4	OK
7.011		S5042 104.2	OK
7.012		S5047 110.1	OK
7.013		S8167 109.6	OK
7.014	S5048 - Headwall	110.2	OK
1.018	S5049 - Headwall	260.8	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd			Page 84	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 4.8	OK	
2.000		S8133 3.7	OK	
1.001		S8134 12.9	OK	
1.002		S8141 18.3	OK	
1.003		S8139 19.6	OK	
1.004		S8140 27.0	OK	
1.005		S4008 32.1	OK	
1.006		S4011 33.2	OK	
1.007		S4012 39.3	OK	
3.000		S8157 3.5	OK	
3.001		S8159 8.1	OK	
3.002		S8154 15.4	OK	
3.003		S8155 20.3	OK	
1.008		S5015 65.6	OK	
1.009		S5016 65.6	OK	
1.010	S5017 - PH4 Connection	71.4	OK	
4.000		S5018 3.3	OK	
1.011		S5019 75.9	OK	
1.012	S5020 PH5 Connection	78.2	OK	
1.013		S5021 82.3	OK	
5.000		S5023 9.0	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 85	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	45 93.784	-0.376	0.000	0.07		
6.000		S5026	41 94.327	-0.265	0.000	0.03		
6.001		S5027	45 93.823	-0.312	0.000	0.07		
5.002		S5028	45 93.699	-0.317	0.000	0.15		
1.014		S5029	45 93.684	-0.286	0.000	0.42		
1.015		S5030	51 93.641	-0.286	0.000	0.44		
1.016		S8121	53 93.608	-0.279	0.000	0.50		
1.017	S5036 - Headwall	53 93.607	-0.718	0.000	0.11			
7.000		S8135	41 96.259	-0.356	0.000	0.07		
7.001		S8136	41 96.215	-0.328	0.000	0.13		
7.002		S8137	41 96.163	-0.311	0.000	0.18		
7.003		S8161	41 96.104	-0.310	0.000	0.19		
8.000		S8151	41 96.225	-0.232	0.000	0.12		
7.004		S8162	41 96.026	-0.313	0.000	0.20		
7.005		S8152	41 95.822	-0.378	0.000	0.17		
9.000		S8144	41 96.284	-0.266	0.000	0.03		
9.001		S8145	41 96.042	-0.333	0.000	0.03		
7.006		S8146	41 95.702	-0.388	0.000	0.15		
10.000		S8165	41 95.564	-0.431	0.000	0.01		
10.001		S8164	41 95.487	-0.424	0.000	0.02		
7.007		S8147	41 95.485	-0.395	0.000	0.14		
7.008		S8150	41 95.185	-0.360	0.000	0.21		
7.009		S8149	41 95.062	-0.303	0.000	0.37		
11.000		S5037	41 95.185	-0.195	0.000	0.04		
11.001		S5038	41 94.982	-0.251	0.000	0.06		
11.002		S5039	41 94.930	-0.226	0.000	0.06		
12.000		S5040	41 95.218	-0.165	0.000	0.16		
7.010		S5041	41 94.918	-0.385	0.000	0.16		
7.011		S5042	41 94.462	-0.393	0.000	0.14		
7.012		S5047	45 93.687	-0.333	0.000	0.29		
7.013		S8167	53 93.609	-0.246	0.000	0.32		
7.014	S5048 - Headwall	53 93.608	-0.267	0.000	0.35			
1.018	S5049 - Headwall	50 93.607	-0.343	0.000	0.42			
1.019	S5050 Control Chamber	33 93.606	0.156	0.000	0.13			

JS Bloor (Wilmslow) Ltd			Page 86
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 17.4	OK
7.002		S8137 24.9	OK
7.003		S8161 27.2	OK
8.000		S8151 7.0	OK
7.004		S8162 40.0	OK
7.005		S8152 44.5	OK
9.000		S8144 2.5	OK
9.001		S8145 6.1	OK
7.006		S8146 54.2	OK
10.000		S8165 1.5	OK
10.001		S8164 3.7	OK
7.007		S8147 61.8	OK
7.008		S8150 62.5	OK
7.009		S8149 69.6	OK
11.000		S5037 1.6	OK
11.001		S5038 3.6	OK
11.002		S5039 3.9	OK
12.000		S5040 6.2	OK
7.010		S5041 81.6	OK
7.011		S5042 83.9	OK
7.012		S5047 88.9	OK
7.013		S8167 88.3	OK
7.014	S5048 - Headwall	87.9	OK
1.018	S5049 - Headwall	210.6	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd			Page 88	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 4.0	OK	
2.000		S8133 3.1	OK	
1.001		S8134 10.9	OK	
1.002		S8141 15.4	OK	
1.003		S8139 16.4	OK	
1.004		S8140 22.7	OK	
1.005		S4008 27.0	OK	
1.006		S4011 27.9	OK	
1.007		S4012 33.0	OK	
3.000		S8157 3.0	OK	
3.001		S8159 6.8	OK	
3.002		S8154 12.9	OK	
3.003		S8155 17.1	OK	
1.008		S5015 55.1	OK	
1.009		S5016 55.1	OK	
1.010	S5017 - PH4 Connection	60.0	OK	
4.000		S5018 2.7	OK	
1.011		S5019 63.8	OK	
1.012	S5020 PH5 Connection	65.8	OK	
1.013		S5021 69.4	OK	
5.000		S5023 7.5	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 89
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	49 93.777	-0.383	0.000	0.05		
6.000		S5026	46 94.325	-0.267	0.000	0.03		
6.001		S5027	49 93.817	-0.318	0.000	0.06		
5.002		S5028	51 93.667	-0.349	0.000	0.13		
1.014		S5029	53 93.649	-0.321	0.000	0.36		
1.015		S5030	55 93.613	-0.314	0.000	0.38		
1.016		S8121	52 93.612	-0.275	0.000	0.43		
1.017	S5036 - Headwall	52 93.611	-0.714	0.000	0.09			
7.000		S8135	46 96.249	-0.366	0.000	0.06		
7.001		S8136	46 96.203	-0.340	0.000	0.11		
7.002		S8137	46 96.150	-0.323	0.000	0.15		
7.003		S8161	46 96.092	-0.322	0.000	0.16		
8.000		S8151	46 96.219	-0.238	0.000	0.10		
7.004		S8162	46 96.013	-0.326	0.000	0.17		
7.005		S8152	46 95.809	-0.391	0.000	0.15		
9.000		S8144	46 96.282	-0.268	0.000	0.03		
9.001		S8145	46 96.040	-0.335	0.000	0.02		
7.006		S8146	46 95.690	-0.400	0.000	0.13		
10.000		S8165	46 95.561	-0.434	0.000	0.01		
10.001		S8164	46 95.476	-0.435	0.000	0.02		
7.007		S8147	46 95.474	-0.406	0.000	0.12		
7.008		S8150	46 95.170	-0.375	0.000	0.18		
7.009		S8149	46 95.042	-0.324	0.000	0.31		
11.000		S5037	46 95.182	-0.197	0.000	0.04		
11.001		S5038	46 94.977	-0.257	0.000	0.05		
11.002		S5039	46 94.921	-0.235	0.000	0.05		
12.000		S5040	46 95.212	-0.170	0.000	0.14		
7.010		S5041	46 94.905	-0.398	0.000	0.13		
7.011		S5042	46 94.451	-0.404	0.000	0.12		
7.012		S5047	52 93.670	-0.350	0.000	0.24		
7.013		S8167	51 93.613	-0.242	0.000	0.27		
7.014	S5048 - Headwall	51 93.613	-0.262	0.000	0.29			
1.018	S5049 - Headwall	48 93.611	-0.339	0.000	0.35			
1.019	S5050 Control Chamber	32 93.610	0.160	0.000	0.13			

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 12.2	OK
6.000		S5026 3.0	OK
6.001		S5027 7.4	OK
5.002		S5028 21.6	OK
1.014		S5029 93.9	OK
1.015		S5030 94.4	OK
1.016		S8121 98.0	OK
1.017	S5036 - Headwall	102.6	OK*
7.000		S8135 7.8	OK

JS Bloor (Wilmslow) Ltd			Page 90	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 14.6	OK	
7.002		S8137 20.9	OK	
7.003		S8161 22.8	OK	
8.000		S8151 5.9	OK	
7.004		S8162 33.6	OK	
7.005		S8152 37.4	OK	
9.000		S8144 2.1	OK	
9.001		S8145 5.1	OK	
7.006		S8146 45.5	OK	
10.000		S8165 1.2	OK	
10.001		S8164 3.1	OK	
7.007		S8147 52.0	OK	
7.008		S8150 52.6	OK	
7.009		S8149 58.8	OK	
11.000		S5037 1.3	OK	
11.001		S5038 3.0	OK	
11.002		S5039 3.2	OK	
12.000		S5040 5.2	OK	
7.010		S5041 68.9	OK	
7.011		S5042 71.0	OK	
7.012		S5047 75.2	OK	
7.013		S8167 75.1	OK	
7.014	S5048 - Headwall	74.6	OK	
1.018	S5049 - Headwall	176.1	OK	
1.019	S5050 Control Chamber	12.2	SURCHARGED	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 91																		
Dean Court 85 Adllington Road Wilmslow SK9 1BT																									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																					
Elstree Computing Ltd				Network 2020.1.3																					
<u>Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5</u>																									
<u>Simulation Criteria</u>																									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																			
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		3																	
Number of Online Controls				1		Number of Time/Area Diagrams		0																	
Number of Offline Controls				0		Number of Real Time Controls		0																	
<u>Synthetic Rainfall Details</u>																									
Rainfall Model		FSR		Ratio R		0.413																			
Region England and Wales		Cv (Summer)		0.750																					
M5-60 (mm)		19.500		Cv (Winter)		0.840																			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																	
Analysis Timestep				Fine		Inertia Status		OFF																	
DTS 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)		1, 30, 100																							
Climate Change (%)		0, 0, 40																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain													
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																	
1.000		S8142	51	96.773	-0.342	0.000	0.02																		
2.000		S8133	51	97.435	-0.275	0.000	0.02																		
1.001		S8134	51	96.165	-0.385	0.000	0.05																		
1.002		S8141	51	95.990	-0.455	0.000	0.04																		
1.003		S8139	51	95.795	-0.460	0.000	0.04																		
1.004		S8140	51	95.399	-0.446	0.000	0.05																		
1.005		S4008	51	95.233	-0.393	0.000	0.14																		
1.006		S4011	51	95.143	-0.446	0.000	0.06																		
1.007		S4012	51	94.666	-0.419	0.000	0.09																		
3.000		S8157	51	95.948	-0.357	0.000	0.01																		
3.001		S8159	51	95.079	-0.401	0.000	0.03																		
3.002		S8154	51	94.881	-0.459	0.000	0.04																		
3.003		S8155	51	94.703	-0.462	0.000	0.03																		
1.008		S5015	51	94.464	-0.381	0.000	0.17																		
1.009		S5016	51	94.305	-0.400	0.000	0.13																		
1.010	S5017 - PH4 Connection	51	94.159	-0.316	0.000	0.25																			
4.000		S5018	51	95.121	-0.283	0.000	0.01																		
1.011		S5019	52	94.111	-0.294	0.000	0.35																		
1.012	S5020 PH5 Connection	52	94.069	-0.371	0.000	0.31																			
1.013		S5021	52	93.856	-0.474	0.000	0.10																		
5.000		S5023	52	94.118	-0.402	0.000	0.03																		
©1982-2020 Innovyze																									

Dean Court 85 Adllington Road Wilmslow SK9 1BT
--

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000	S8142	3.5	OK
2.000	S8133	2.7	OK
1.001	S8134	9.4	OK
1.002	S8141	13.3	OK
1.003	S8139	14.3	OK
1.004	S8140	19.6	OK
1.005	S4008	23.4	OK
1.006	S4011	24.2	OK
1.007	S4012	28.6	OK
3.000	S8157	2.6	OK
3.001	S8159	5.9	OK
3.002	S8154	11.2	OK
3.003	S8155	14.8	OK
1.008	S5015	47.7	OK
1.009	S5016	47.7	OK
1.010	S5017 - PH4 Connection	51.9	OK
4.000	S5018	2.4	OK
1.011	S5019	55.3	OK
1.012	S5020 PH5 Connection	57.1	OK
1.013	S5021	60.1	OK
5.000	S5023	6.5	OK

JS Bloor (Wilmslow) Ltd							Page 93	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	52 93.773	-0.387	0.000	0.05		
6.000		S5026	51 94.323	-0.269	0.000	0.02		
6.001		S5027	52 93.813	-0.322	0.000	0.05		
5.002		S5028	55 93.645	-0.371	0.000	0.11		
1.014		S5029	55 93.622	-0.348	0.000	0.31		
1.015		S5030	53 93.614	-0.313	0.000	0.33		
1.016		S8121	50 93.612	-0.275	0.000	0.37		
1.017	S5036 - Headwall	50	93.612	-0.713	0.000	0.08		
7.000		S8135	51 96.242	-0.373	0.000	0.05		
7.001		S8136	51 96.195	-0.348	0.000	0.09		
7.002		S8137	51 96.141	-0.333	0.000	0.13		
7.003		S8161	51 96.082	-0.332	0.000	0.14		
8.000		S8151	51 96.215	-0.242	0.000	0.08		
7.004		S8162	51 96.004	-0.335	0.000	0.15		
7.005		S8152	51 95.799	-0.401	0.000	0.13		
9.000		S8144	51 96.280	-0.270	0.000	0.02		
9.001		S8145	51 96.038	-0.337	0.000	0.02		
7.006		S8146	51 95.682	-0.408	0.000	0.11		
10.000		S8165	51 95.559	-0.436	0.000	0.01		
10.001		S8164	51 95.469	-0.442	0.000	0.02		
7.007		S8147	51 95.466	-0.414	0.000	0.10		
7.008		S8150	51 95.158	-0.387	0.000	0.16		
7.009		S8149	50 95.026	-0.339	0.000	0.27		
11.000		S5037	51 95.181	-0.199	0.000	0.03		
11.001		S5038	51 94.973	-0.260	0.000	0.04		
11.002		S5039	51 94.914	-0.241	0.000	0.05		
12.000		S5040	51 95.209	-0.174	0.000	0.12		
7.010		S5041	50 94.897	-0.406	0.000	0.12		
7.011		S5042	50 94.443	-0.412	0.000	0.11		
7.012		S5047	55 93.658	-0.362	0.000	0.21		
7.013		S8167	50 93.614	-0.242	0.000	0.24		
7.014	S5048 - Headwall	50	93.613	-0.262	0.000	0.26		
1.018	S5049 - Headwall	47	93.612	-0.338	0.000	0.30		
1.019	S5050 Control Chamber	30	93.611	0.161	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 94
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 12.7	OK
7.002		S8137 18.2	OK
7.003		S8161 19.8	OK
8.000		S8151 5.1	OK
7.004		S8162 29.1	OK
7.005		S8152 32.5	OK
9.000		S8144 1.8	OK
9.001		S8145 4.4	OK
7.006		S8146 39.5	OK
10.000		S8165 1.1	OK
10.001		S8164 2.7	OK
7.007		S8147 45.1	OK
7.008		S8150 45.6	OK
7.009		S8149 51.1	OK
11.000		S5037 1.2	OK
11.001		S5038 2.6	OK
11.002		S5039 2.8	OK
12.000		S5040 4.5	OK
7.010		S5041 59.9	OK
7.011		S5042 61.7	OK
7.012		S5047 65.4	OK
7.013		S8167 65.3	OK
7.014	S5048 - Headwall	65.1	OK
1.018	S5049 - Headwall	153.5	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd			Page 96	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 2.8	OK	
2.000		S8133 2.1	OK	
1.001		S8134 7.5	OK	
1.002		S8141 10.6	OK	
1.003		S8139 11.4	OK	
1.004		S8140 15.7	OK	
1.005		S4008 18.6	OK	
1.006		S4011 19.3	OK	
1.007		S4012 22.8	OK	
3.000		S8157 2.0	OK	
3.001		S8159 4.7	OK	
3.002		S8154 8.9	OK	
3.003		S8155 11.8	OK	
1.008		S5015 38.0	OK	
1.009		S5016 38.0	OK	
1.010	S5017 - PH4 Connection	41.4	OK	
4.000		S5018 1.9	OK	
1.011		S5019 44.0	OK	
1.012	S5020 PH5 Connection	45.5	OK	
1.013		S5021 47.9	OK	
5.000		S5023 5.2	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 97						
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...								
Elstree Computing Ltd		Network 2020.1.3						
<u>Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 5</u>								
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
5.001	S5025	55	93.766	-0.394	0.000	0.04		
6.000	S5026	54	94.319	-0.273	0.000	0.02		
6.001	S5027	55	93.807	-0.328	0.000	0.04		
5.002	S5028	58	93.617	-0.400	0.000	0.09		
1.014	S5029	57	93.614	-0.356	0.000	0.25		
1.015	S5030	54	93.613	-0.314	0.000	0.26		
1.016	S8121	51	93.612	-0.275	0.000	0.30		
1.017	S5036 - Headwall	51	93.611	-0.714	0.000	0.06		
7.000	S8135	54	96.232	-0.383	0.000	0.04		
7.001	S8136	54	96.184	-0.359	0.000	0.07		
7.002	S8137	54	96.128	-0.346	0.000	0.11		
7.003	S8161	54	96.069	-0.345	0.000	0.11		
8.000	S8151	54	96.208	-0.249	0.000	0.07		
7.004	S8162	54	95.991	-0.348	0.000	0.12		
7.005	S8152	54	95.786	-0.414	0.000	0.10		
9.000	S8144	54	96.275	-0.275	0.000	0.02		
9.001	S8145	54	96.030	-0.345	0.000	0.02		
7.006	S8146	54	95.671	-0.419	0.000	0.09		
10.000	S8165	54	95.556	-0.439	0.000	0.01		
10.001	S8164	54	95.457	-0.454	0.000	0.01		
7.007	S8147	54	95.454	-0.426	0.000	0.08		
7.008	S8150	54	95.143	-0.402	0.000	0.13		
7.009	S8149	54	95.006	-0.360	0.000	0.22		
11.000	S5037	54	95.178	-0.201	0.000	0.03		
11.001	S5038	54	94.969	-0.264	0.000	0.03		
11.002	S5039	54	94.905	-0.251	0.000	0.04		
12.000	S5040	54	95.204	-0.179	0.000	0.09		
7.010	S5041	54	94.885	-0.418	0.000	0.09		
7.011	S5042	54	94.432	-0.423	0.000	0.08		
7.012	S5047	58	93.639	-0.381	0.000	0.17		
7.013	S8167	52	93.613	-0.242	0.000	0.19		
7.014	S5048 - Headwall	52	93.612	-0.263	0.000	0.20		
1.018	S5049 - Headwall	49	93.611	-0.339	0.000	0.24		
1.019	S5050 Control Chamber	31	93.610	0.160	0.000	0.13		
PN	US/MH Name	Pipe Flow (l/s)	Status					
5.001	S5025	8.4	OK					
6.000	S5026	2.0	OK					
6.001	S5027	5.1	OK					
5.002	S5028	14.9	OK					
1.014	S5029	65.0	OK					
1.015	S5030	65.6	OK					
1.016	S8121	68.1	OK					
1.017	S5036 - Headwall	72.0	OK*					
7.000	S8135	5.4	OK					
©1982-2020 Innovyze								

JS Bloor (Wilmslow) Ltd			Page 98	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 10.1	OK	
7.002		S8137 14.5	OK	
7.003		S8161 15.8	OK	
8.000		S8151 4.1	OK	
7.004		S8162 23.3	OK	
7.005		S8152 25.9	OK	
9.000		S8144 1.4	OK	
9.001		S8145 3.5	OK	
7.006		S8146 31.5	OK	
10.000		S8165 0.9	OK	
10.001		S8164 2.2	OK	
7.007		S8147 36.0	OK	
7.008		S8150 36.4	OK	
7.009		S8149 40.8	OK	
11.000		S5037 0.9	OK	
11.001		S5038 2.1	OK	
11.002		S5039 2.2	OK	
12.000		S5040 3.6	OK	
7.010		S5041 47.8	OK	
7.011		S5042 49.3	OK	
7.012		S5047 52.2	OK	
7.013		S8167 52.2	OK	
7.014	S5048 - Headwall	52.1	OK	
1.018	S5049 - Headwall	122.8	OK	
1.019	S5050 Control Chamber	12.2	SURCHARGED	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 100
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 2.0	OK
2.000		S8133 1.6	OK
1.001		S8134 5.4	OK
1.002		S8141 7.7	OK
1.003		S8139 8.2	OK
1.004		S8140 11.4	OK
1.005		S4008 13.5	OK
1.006		S4011 14.0	OK
1.007		S4012 16.5	OK
3.000		S8157 1.5	OK
3.001		S8159 3.4	OK
3.002		S8154 6.5	OK
3.003		S8155 8.6	OK
1.008		S5015 27.6	OK
1.009		S5016 27.6	OK
1.010	S5017 - PH4 Connection	30.0	OK
4.000		S5018 1.4	OK
1.011		S5019 32.0	OK
1.012	S5020 PH5 Connection	33.0	OK
1.013		S5021 34.8	OK
5.000		S5023 3.8	OK

JS Bloor (Wilmslow) Ltd							Page 101	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	61	93.759	-0.401	0.000	0.03	
6.000		S5026	61	94.311	-0.280	0.000	0.01	
6.001		S5027	61	93.802	-0.333	0.000	0.03	
5.002		S5028	61	93.609	-0.407	0.000	0.06	
1.014		S5029	58	93.609	-0.361	0.000	0.18	
1.015		S5030	56	93.608	-0.319	0.000	0.19	
1.016		S8121	54	93.607	-0.280	0.000	0.21	
1.017	S5036 - Headwall	54	93.607	-0.718	0.000	0.05		
7.000		S8135	61	96.221	-0.394	0.000	0.03	
7.001		S8136	61	96.169	-0.374	0.000	0.05	
7.002		S8137	61	96.114	-0.360	0.000	0.08	
7.003		S8161	61	96.055	-0.359	0.000	0.08	
8.000		S8151	61	96.199	-0.258	0.000	0.05	
7.004		S8162	61	95.977	-0.362	0.000	0.09	
7.005		S8152	61	95.769	-0.431	0.000	0.07	
9.000		S8144	61	96.268	-0.282	0.000	0.01	
9.001		S8145	61	96.022	-0.353	0.000	0.01	
7.006		S8146	61	95.652	-0.438	0.000	0.07	
10.000		S8165	61	95.553	-0.442	0.000	0.00	
10.001		S8164	61	95.441	-0.470	0.000	0.01	
7.007		S8147	61	95.437	-0.443	0.000	0.06	
7.008		S8150	61	95.126	-0.419	0.000	0.09	
7.009		S8149	61	94.979	-0.386	0.000	0.16	
11.000		S5037	61	95.174	-0.206	0.000	0.02	
11.001		S5038	61	94.965	-0.268	0.000	0.02	
11.002		S5039	61	94.894	-0.262	0.000	0.03	
12.000		S5040	61	95.196	-0.187	0.000	0.07	
7.010		S5041	61	94.867	-0.436	0.000	0.07	
7.011		S5042	61	94.414	-0.441	0.000	0.06	
7.012		S5047	62	93.616	-0.404	0.000	0.12	
7.013		S8167	54	93.608	-0.247	0.000	0.14	
7.014	S5048 - Headwall	54	93.607	-0.268	0.000	0.15		
1.018	S5049 - Headwall	51	93.607	-0.343	0.000	0.17		
1.019	S5050 Control Chamber	34	93.606	0.156	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 102
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 7.3	OK
7.002		S8137 10.5	OK
7.003		S8161 11.5	OK
8.000		S8151 3.0	OK
7.004		S8162 16.9	OK
7.005		S8152 18.8	OK
9.000		S8144 1.0	OK
9.001		S8145 2.5	OK
7.006		S8146 22.9	OK
10.000		S8165 0.6	OK
10.001		S8164 1.6	OK
7.007		S8147 26.1	OK
7.008		S8150 26.5	OK
7.009		S8149 29.6	OK
11.000		S5037 0.7	OK
11.001		S5038 1.5	OK
11.002		S5039 1.6	OK
12.000		S5040 2.6	OK
7.010		S5041 34.7	OK
7.011		S5042 35.8	OK
7.012		S5047 37.9	OK
7.013		S8167 37.9	OK
7.014	S5048 - Headwall	37.8	OK
1.018	S5049 - Headwall	87.8	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 105	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 5								

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	135.9	SURCHARGED
7.002	S8137	156.8	SURCHARGED
7.003	S8161	166.4	SURCHARGED
8.000	S8151	75.7	SURCHARGED
7.004	S8162	285.9	SURCHARGED
7.005	S8152	321.1	SURCHARGED
9.000	S8144	26.9	SURCHARGED
9.001	S8145	70.9	SURCHARGED
7.006	S8146	388.8	SURCHARGED
10.000	S8165	13.0	SURCHARGED
10.001	S8164	33.3	SURCHARGED
7.007	S8147	443.4	SURCHARGED
7.008	S8150	434.8	SURCHARGED
7.009	S8149	356.7	SURCHARGED
11.000	S5037	18.3	SURCHARGED
11.001	S5038	36.9	SURCHARGED
11.002	S5039	33.4	SURCHARGED
12.000	S5040	64.2	FLOOD RISK
7.010	S5041	434.5	SURCHARGED
7.011	S5042	445.4	SURCHARGED
7.012	S5047	478.1	FLOOD RISK
7.013	S8167	475.5	SURCHARGED
7.014	S5048 - Headwall	448.3	FLOOD RISK
1.018	S5049 - Headwall	1117.3	SURCHARGED
1.019	S5050 Control Chamber	11.8	SURCHARGED

JS Bloor (Wilmslow) Ltd							Page 109	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 5								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	3	95.354	1.194	0.000	0.61		
6.000	S5026	3	95.388	0.796	0.000	0.29		
6.001	S5027	3	95.350	1.215	0.000	0.58		
5.002	S5028	3	95.316	1.299	0.000	1.29		
1.014	S5029	3	95.268	1.298	0.000	2.62		
1.015	S5030	3	95.000	1.072	0.000	2.75		
1.016	S8121	3	94.723	0.836	0.000	3.08		
1.017	S5036 - Headwall	3	94.325	0.000	0.000	0.64		
7.000	S8135	4	97.139	0.524	0.000	0.77		
7.001	S8136	4	97.145	0.602	0.000	0.92		
7.002	S8137	4	97.131	0.658	0.000	1.09		
7.003	S8161	4	97.107	0.693	0.000	1.13		
8.000	S8151	3	97.221	0.764	0.000	1.14		
7.004	S8162	4	97.067	0.727	0.000	1.38		
7.005	S8152	4	96.917	0.717	0.000	1.22		
9.000	S8144	4	96.865	0.315	0.000	0.31		
9.001	S8145	4	96.840	0.465	0.000	0.29		
7.006	S8146	4	96.811	0.721	0.000	1.02		
10.000	S8165	4	96.631	0.636	0.000	0.07		
10.001	S8164	4	96.626	0.715	0.000	0.16		
7.007	S8147	4	96.621	0.741	0.000	0.93		
7.008	S8150	3	96.413	0.868	0.000	1.43		
7.009	S8149	3	96.189	0.824	0.000	1.92		
11.000	S5037	3	96.028	0.649	0.000	0.44		
11.001	S5038	3	96.009	0.776	0.000	0.50		
11.002	S5039	3	95.992	0.837	0.000	0.46		
12.000	S5040	4	96.443	1.060	0.000	1.49		
7.010	S5041	3	95.975	0.672	0.000	0.82		
7.011	S5042	3	95.679	0.824	0.000	0.74		
7.012	S5047	3	95.230	1.210	0.000	1.50		
7.013	S8167	3	94.895	1.039	0.000	1.66		
7.014	S5048 - Headwall	3	94.563	0.688	0.000	1.76		
1.018	S5049 - Headwall	3	94.404	0.454	0.000	2.29		
1.019	S5050 Control Chamber	29	93.615	0.165	0.000	0.13		

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	127.2	SURCHARGED
7.002	S8137	147.4	SURCHARGED
7.003	S8161	157.9	SURCHARGED
8.000	S8151	68.7	SURCHARGED
7.004	S8162	272.9	SURCHARGED
7.005	S8152	309.7	SURCHARGED
9.000	S8144	25.7	SURCHARGED
9.001	S8145	58.6	SURCHARGED
7.006	S8146	357.4	SURCHARGED
10.000	S8165	11.7	SURCHARGED
10.001	S8164	28.3	SURCHARGED
7.007	S8147	414.6	SURCHARGED
7.008	S8150	414.4	SURCHARGED
7.009	S8149	359.8	SURCHARGED
11.000	S5037	16.2	SURCHARGED
11.001	S5038	31.0	SURCHARGED
11.002	S5039	28.3	SURCHARGED
12.000	S5040	57.5	FLOOD RISK
7.010	S5041	419.5	SURCHARGED
7.011	S5042	430.9	SURCHARGED
7.012	S5047	465.8	FLOOD RISK
7.013	S8167	460.2	SURCHARGED
7.014	S5048 - Headwall	448.5	FLOOD RISK
1.018	S5049 - Headwall	1152.1	FLOOD RISK
1.019	S5050 Control Chamber	12.2	SURCHARGED



Micro
Drainage

Designed by d southa

Checked by

Network 2020.1.3

Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 36.3	OK
2.000		S8133 28.3	OK
1.001		S8134 98.9	OK
1.002		S8141 139.5	SURCHARGED
1.003		S8139 141.8	SURCHARGED
1.004		S8140 157.2	SURCHARGED
1.005		S4008 195.5	SURCHARGED
1.006		S4011 188.3	SURCHARGED
1.007		S4012 204.1	SURCHARGED
3.000		S8157 27.1	OK
3.001		S8159 53.5	SURCHARGED
3.002		S8154 95.0	SURCHARGED
3.003		S8155 107.7	SURCHARGED
1.008		S5015 327.7	SURCHARGED
1.009		S5016 326.4	SURCHARGED
1.010	S5017 - PH4 Connection	S5017 356.7	SURCHARGED
4.000		S5018 25.4	SURCHARGED
1.011		S5019 380.9	SURCHARGED
1.012	S5020 PH5 Connection	S5020 392.2	SURCHARGED
1.013		S5021 413.8	SURCHARGED
5.000		S5023 62.3	SURCHARGED

JS Bloor (Wilmslow) Ltd							Page 113	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5								

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	108.6	SURCHARGED
7.002	S8137	133.0	SURCHARGED
7.003	S8161	141.8	SURCHARGED
8.000	S8151	51.2	SURCHARGED
7.004	S8162	233.7	SURCHARGED
7.005	S8152	259.0	SURCHARGED
9.000	S8144	19.1	OK
9.001	S8145	46.9	SURCHARGED
7.006	S8146	301.4	SURCHARGED
10.000	S8165	8.9	SURCHARGED
10.001	S8164	27.9	SURCHARGED
7.007	S8147	344.1	SURCHARGED
7.008	S8150	342.2	SURCHARGED
7.009	S8149	341.9	SURCHARGED
11.000	S5037	11.5	SURCHARGED
11.001	S5038	21.8	SURCHARGED
11.002	S5039	20.6	SURCHARGED
12.000	S5040	42.7	SURCHARGED
7.010	S5041	394.5	SURCHARGED
7.011	S5042	405.0	SURCHARGED
7.012	S5047	428.5	SURCHARGED
7.013	S8167	426.8	SURCHARGED
7.014	S5048 - Headwall	425.5	FLOOD RISK
1.018	S5049 - Headwall	1054.8	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED

JS Bloor (Wilmslow) Ltd							Page 115		
Dean Court 85 Adlington Road Wilmslow SK9 1BT									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by					
Elstree Computing Ltd				Network 2020.1.3					
<u>Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5</u>									
<u>Simulation Criteria</u>									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000			
Hot Start Level (mm)		0		Inlet Coefficient		0.800			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000			
Foul Sewage per hectare (l/s)		0.000							
Number of Input Hydrographs				0		Number of Storage Structures		3	
Number of Online Controls				1		Number of Time/Area Diagrams		0	
Number of Offline Controls				0		Number of Real Time Controls		0	
<u>Synthetic Rainfall Details</u>									
Rainfall Model		FSR		Ratio R		0.413			
Region England and Wales		Cv (Summer)		0.750					
M5-60 (mm)		19.500		Cv (Winter)		0.840			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF	
Analysis Timestep				Fine		Inertia Status		OFF	
DTS 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)		1, 30, 100							
Climate Change (%)		0, 0, 40							

JS Bloor (Wilmslow) Ltd		Page 116
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 23.8	OK
2.000		S8133 18.5	OK
1.001		S8134 64.6	OK
1.002		S8141 91.2	OK
1.003		S8139 97.3	OK
1.004		S8140 134.2	OK
1.005		S4008 159.5	OK
1.006		S4011 161.4	OK
1.007		S4012 171.7	SURCHARGED
3.000		S8157 17.6	OK
3.001		S8159 38.6	OK
3.002		S8154 71.8	OK
3.003		S8155 85.0	SURCHARGED
1.008		S5015 270.5	SURCHARGED
1.009		S5016 270.1	SURCHARGED
1.010	S5017 - PH4 Connection	291.5	SURCHARGED
4.000		S5018 16.4	OK
1.011		S5019 309.6	SURCHARGED
1.012	S5020 PH5 Connection	319.0	SURCHARGED
1.013		S5021 334.8	SURCHARGED
5.000		S5023 41.7	SURCHARGED

JS Bloor (Wilmslow) Ltd							Page 117	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 118
Dean Court 85 Adlington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	81.2	OK
7.002	S8137	117.1	OK
7.003	S8161	126.7	OK
8.000	S8151	34.9	OK
7.004	S8162	187.9	OK
7.005	S8152	208.6	OK
9.000	S8144	12.4	OK
9.001	S8145	30.3	OK
7.006	S8146	255.1	OK
10.000	S8165	6.8	OK
10.001	S8164	18.2	OK
7.007	S8147	281.8	OK
7.008	S8150	284.1	SURCHARGED
7.009	S8149	312.7	SURCHARGED
11.000	S5037	7.7	OK
11.001	S5038	16.3	SURCHARGED
11.002	S5039	16.7	SURCHARGED
12.000	S5040	30.2	SURCHARGED
7.010	S5041	354.9	SURCHARGED
7.011	S5042	363.2	SURCHARGED
7.012	S5047	381.4	SURCHARGED
7.013	S8167	380.9	SURCHARGED
7.014	S5048 - Headwall	377.3	SURCHARGED
1.018	S5049 - Headwall	871.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 120
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 18.6	OK
2.000		S8133 14.5	OK
1.001		S8134 50.4	OK
1.002		S8141 71.2	OK
1.003		S8139 75.6	OK
1.004		S8140 104.0	OK
1.005		S4008 123.0	OK
1.006		S4011 126.9	OK
1.007		S4012 147.5	OK
3.000		S8157 13.8	OK
3.001		S8159 31.5	OK
3.002		S8154 60.2	OK
3.003		S8155 73.9	OK
1.008		S5015 239.7	SURCHARGED
1.009		S5016 238.4	SURCHARGED
1.010	S5017 - PH4 Connection	258.4	SURCHARGED
4.000		S5018 12.8	OK
1.011		S5019 274.1	SURCHARGED
1.012	S5020 PH5 Connection	282.2	SURCHARGED
1.013		S5021 293.4	SURCHARGED
5.000		S5023 34.4	OK

JS Bloor (Wilmslow) Ltd							Page 121	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 122
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	64.7	OK
7.002	S8137	92.6	OK
7.003	S8161	101.5	OK
8.000	S8151	27.3	OK
7.004	S8162	149.3	OK
7.005	S8152	166.4	OK
9.000	S8144	9.7	OK
9.001	S8145	23.7	OK
7.006	S8146	202.3	OK
10.000	S8165	5.7	OK
10.001	S8164	13.8	OK
7.007	S8147	231.0	OK
7.008	S8150	233.8	OK
7.009	S8149	259.2	SURCHARGED
11.000	S5037	6.3	OK
11.001	S5038	13.6	OK
11.002	S5039	14.0	OK
12.000	S5040	24.1	OK
7.010	S5041	302.3	OK
7.011	S5042	307.4	OK
7.012	S5047	323.1	SURCHARGED
7.013	S8167	323.0	SURCHARGED
7.014	S5048 - Headwall	319.9	SURCHARGED
1.018	S5049 - Headwall	739.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 123																		
Dean Court 85 Adlington Road Wilmslow SK9 1BT																									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																					
Elstree Computing Ltd				Network 2020.1.3																					
<u>Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5</u>																									
<u>Simulation Criteria</u>																									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																			
Hot Start Level (mm)		0		Inlet Coefficient		0.800																			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000																			
Foul Sewage per hectare (l/s)		0.000																							
Number of Input Hydrographs				0		Number of Storage Structures		3																	
Number of Online Controls				1		Number of Time/Area Diagrams		0																	
Number of Offline Controls				0		Number of Real Time Controls		0																	
<u>Synthetic Rainfall Details</u>																									
Rainfall Model		FSR		Ratio R		0.413																			
Region England and Wales		Cv (Summer)		0.750																					
M5-60 (mm)		19.500		Cv (Winter)		0.840																			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																	
Analysis Timestep				Fine		Inertia Status		OFF																	
DTS 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)		1, 30, 100																							
Climate Change (%)		0, 0, 40																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water Level</th><th colspan="2">Surcharged Depth</th><th colspan="2">Flooded Volume</th><th rowspan="2">Flow / Overflow Cap.</th><th rowspan="2">Half Drain Time (mins)</th></tr><tr><th></th><th>(m)</th><th></th><th>(m)</th><th></th><th>(m³)</th></tr></table>									PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume		Flow / Overflow Cap.	Half Drain Time (mins)		(m)		(m)		(m³)
PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume					Flow / Overflow Cap.	Half Drain Time (mins)												
				(m)		(m)		(m³)																	
1.000		S8142	16	96.810	-0.305	0.000	0.08																		
2.000		S8133	16	97.464	-0.246	0.000	0.08																		
1.001		S8134	16	96.243	-0.307	0.000	0.22																		
1.002		S8141	16	96.073	-0.372	0.000	0.19																		
1.003		S8139	16	95.870	-0.385	0.000	0.16																		
1.004		S8140	16	95.492	-0.353	0.000	0.24																		
1.005		S4008	16	95.401	-0.225	0.000	0.62																		
1.006		S4011	16	95.238	-0.351	0.000	0.24																		
1.007		S4012	16	94.808	-0.277	0.000	0.38																		
3.000		S8157	16	95.980	-0.325	0.000	0.04																		
3.001		S8159	16	95.133	-0.347	0.000	0.12																		
3.002		S8154	16	94.959	-0.381	0.000	0.17																		
3.003		S8155	16	94.774	-0.391	0.000	0.15																		
1.008		S5015	16	94.725	-0.120	0.000	0.71																		
1.009		S5016	16	94.652	-0.053	0.000	0.54																		
1.010	S5017 - PH4 Connection	16	94.591	0.116	0.000	1.05																			
4.000		S5018	16	95.147	-0.257	0.000	0.05																		
1.011		S5019	16	94.510	0.105	0.000	1.46																		
1.012	S5020 PH5 Connection	14	94.440	0.000	0.000	1.31																			
1.013		S5021	16	94.180	-0.150	0.000	0.41																		
5.000		S5023	16	94.197	-0.323	0.000	0.11																		
©1982-2020 Innovyze																									



Designed by d_southa

Checked by

Network 2020.1.3

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 15.0	OK
2.000		S8133 11.6	OK
1.001		S8134 40.6	OK
1.002		S8141 57.4	OK
1.003		S8139 61.3	OK
1.004		S8140 84.6	OK
1.005		S4008 100.6	OK
1.006		S4011 103.9	OK
1.007		S4012 122.0	OK
3.000		S8157 11.0	OK
3.001		S8159 25.3	OK
3.002		S8154 48.4	OK
3.003		S8155 63.9	OK
1.008		S5015 201.1	OK
1.009		S5016 199.6	OK
1.010	S5017 - PH4 Connection	217.4	SURCHARGED
4.000		S5018 10.3	OK
1.011		S5019 231.0	SURCHARGED
1.012	S5020 PH5 Connection	238.9	OK
1.013		S5021 249.1	OK
5.000		S5023 28.0	OK

JS Bloor (Wilmslow) Ltd							Page 125	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 126
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 53.1	OK
7.002		S8137 76.2	OK
7.003		S8161 82.8	OK
8.000		S8151 22.0	OK
7.004		S8162 122.2	OK
7.005		S8152 136.0	OK
9.000		S8144 7.8	OK
9.001		S8145 19.0	OK
7.006		S8146 166.0	OK
10.000		S8165 4.6	OK
10.001		S8164 11.5	OK
7.007		S8147 189.4	OK
7.008		S8150 188.3	OK
7.009		S8149 211.1	OK
11.000		S5037 5.0	OK
11.001		S5038 11.3	OK
11.002		S5039 11.7	OK
12.000		S5040 19.4	OK
7.010		S5041 246.3	OK
7.011		S5042 254.7	OK
7.012		S5047 260.6	SURCHARGED
7.013		S8167 259.7	SURCHARGED
7.014	S5048 - Headwall	257.5	SURCHARGED
1.018	S5049 - Headwall	606.4	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd

Page 128

Dean Court

85 Adllington Road

Wilmslow SK9 1BT

Date 03/01/2025 11:46

Designed by d_southa

File NET 5 SAVE AS. 24.12.24...

Checked by

Elstree Computing Ltd

Network 2020.1.3

Micro Drainage

Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 10.9	OK
2.000		S8133 8.4	OK
1.001		S8134 29.5	OK
1.002		S8141 41.7	OK
1.003		S8139 44.6	OK
1.004		S8140 61.5	OK
1.005		S4008 73.2	OK
1.006		S4011 75.7	OK
1.007		S4012 89.5	OK
3.000		S8157 8.0	OK
3.001		S8159 18.3	OK
3.002		S8154 35.1	OK
3.003		S8155 46.3	OK
1.008		S5015 149.5	OK
1.009		S5016 147.9	OK
1.010	S5017 - PH4 Connection	159.3	OK
4.000		S5018 7.5	OK
1.011		S5019 168.7	OK
1.012	S5020 PH5 Connection	172.1	OK
1.013		S5021 180.5	OK
5.000		S5023 20.4	OK

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd							Page 129	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	28	93.998	-0.162	0.000	0.14	
6.000		S5026	23	94.346	-0.246	0.000	0.07	
6.001		S5027	28	93.998	-0.137	0.000	0.15	
5.002		S5028	29	93.986	-0.030	0.000	0.32	
1.014		S5029	31	93.970	0.000	0.000	0.92	
1.015		S5030	30	93.945	0.018	0.000	0.99	
1.016		S8121	30	93.942	0.055	0.000	1.11	
1.017	S5036 - Headwall	30	93.941	-0.384	0.000	0.24		
7.000		S8135	20	96.321	-0.295	0.000	0.15	
7.001		S8136	20	96.289	-0.254	0.000	0.28	
7.002		S8137	20	96.243	-0.231	0.000	0.42	
7.003		S8161	20	96.184	-0.230	0.000	0.44	
8.000		S8151	23	96.261	-0.196	0.000	0.26	
7.004		S8162	20	96.104	-0.235	0.000	0.46	
7.005		S8152	20	95.905	-0.295	0.000	0.40	
9.000		S8144	23	96.301	-0.249	0.000	0.07	
9.001		S8145	22	96.063	-0.312	0.000	0.07	
7.006		S8146	20	95.780	-0.310	0.000	0.35	
10.000		S8165	20	95.595	-0.400	0.000	0.02	
10.001		S8164	20	95.559	-0.352	0.000	0.05	
7.007		S8147	20	95.558	-0.322	0.000	0.32	
7.008		S8150	20	95.300	-0.245	0.000	0.49	
7.009		S8149	20	95.214	-0.152	0.000	0.84	
11.000		S5037	23	95.202	-0.178	0.000	0.10	
11.001		S5038	20	95.028	-0.205	0.000	0.13	
11.002		S5039	20	95.005	-0.150	0.000	0.14	
12.000		S5040	23	95.252	-0.131	0.000	0.37	
7.010		S5041	20	94.996	-0.307	0.000	0.36	
7.011		S5042	20	94.537	-0.318	0.000	0.32	
7.012		S5047	31	93.947	-0.073	0.000	0.64	
7.013		S8167	30	93.945	0.089	0.000	0.71	
7.014	S5048 - Headwall	30	93.943	0.068	0.000	0.78		
1.018	S5049 - Headwall	30	93.940	-0.010	0.000	0.92		
1.019	S5050 Control Chamber	14	93.932	0.482	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 130
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 39.5	OK
7.002		S8137 56.6	OK
7.003		S8161 61.7	OK
8.000		S8151 16.0	OK
7.004		S8162 90.8	OK
7.005		S8152 101.2	OK
9.000		S8144 5.6	OK
9.001		S8145 13.8	OK
7.006		S8146 123.0	OK
10.000		S8165 3.4	OK
10.001		S8164 8.4	OK
7.007		S8147 140.4	OK
7.008		S8150 141.6	OK
7.009		S8149 157.0	OK
11.000		S5037 3.7	OK
11.001		S5038 8.2	OK
11.002		S5039 8.7	OK
12.000		S5040 14.1	OK
7.010		S5041 184.2	OK
7.011		S5042 189.2	OK
7.012		S5047 198.4	OK
7.013		S8167 197.7	SURCHARGED
7.014	S5048 - Headwall	199.5	SURCHARGED
1.018	S5049 - Headwall	464.0	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 131																																																																																																																																																																																																																																																									
Dean Court 85 Adlington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																																										
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																																																																																																																																																																																																																																																										
Hot Start Level (mm)		0		Inlet Coefficient		0.800																																																																																																																																																																																																																																																										
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000																																																																																																																																																																																																																																																										
Foul Sewage per hectare (l/s)		0.000																																																																																																																																																																																																																																																														
Number of Input Hydrographs				0		Number of Storage Structures		3																																																																																																																																																																																																																																																								
Number of Online Controls				1		Number of Time/Area Diagrams		0																																																																																																																																																																																																																																																								
Number of Offline Controls				0		Number of Real Time Controls		0																																																																																																																																																																																																																																																								
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model		FSR		Ratio R		0.413																																																																																																																																																																																																																																																										
Region England and Wales		Cv (Summer)				0.750																																																																																																																																																																																																																																																										
M5-60 (mm)				19.500 Cv (Winter)		0.840																																																																																																																																																																																																																																																										
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																																																																																																																																																																																																																																																								
Analysis Timestep				Fine		Inertia Status		OFF																																																																																																																																																																																																																																																								
DTS 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)		1, 30, 100																																																																																																																																																																																																																																																														
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																																														
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>27 96.791</td><td>-0.324</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>27 97.450</td><td>-0.260</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>27 96.207</td><td>-0.343</td><td>0.000</td><td>0.13</td><td></td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>27 96.035</td><td>-0.410</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>27 95.837</td><td>-0.418</td><td>0.000</td><td>0.09</td><td></td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>27 95.448</td><td>-0.397</td><td>0.000</td><td>0.14</td><td></td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>27 95.318</td><td>-0.308</td><td>0.000</td><td>0.36</td><td></td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>27 95.193</td><td>-0.396</td><td>0.000</td><td>0.14</td><td></td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>27 94.728</td><td>-0.357</td><td>0.000</td><td>0.22</td><td></td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>27 95.970</td><td>-0.335</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>27 95.107</td><td>-0.373</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>27 94.924</td><td>-0.416</td><td>0.000</td><td>0.10</td><td></td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>27 94.742</td><td>-0.423</td><td>0.000</td><td>0.08</td><td></td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>27 94.557</td><td>-0.288</td><td>0.000</td><td>0.42</td><td></td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>27 94.392</td><td>-0.313</td><td>0.000</td><td>0.32</td><td></td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>27 94.330</td><td>-0.145</td><td>0.000</td><td>0.63</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>27 95.138</td><td>-0.266</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>27 94.286</td><td>-0.119</td><td>0.000</td><td>0.87</td><td></td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>27 94.239</td><td>-0.201</td><td>0.000</td><td>0.77</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>32 93.973</td><td>-0.357</td><td>0.000</td><td>0.25</td><td></td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>27 94.143</td><td>-0.377</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	27 96.791	-0.324	0.000	0.05					2.000		S8133	27 97.450	-0.260	0.000	0.04					1.001		S8134	27 96.207	-0.343	0.000	0.13					1.002		S8141	27 96.035	-0.410	0.000	0.11					1.003		S8139	27 95.837	-0.418	0.000	0.09					1.004		S8140	27 95.448	-0.397	0.000	0.14					1.005		S4008	27 95.318	-0.308	0.000	0.36					1.006		S4011	27 95.193	-0.396	0.000	0.14					1.007		S4012	27 94.728	-0.357	0.000	0.22					3.000		S8157	27 95.970	-0.335	0.000	0.03					3.001		S8159	27 95.107	-0.373	0.000	0.07					3.002		S8154	27 94.924	-0.416	0.000	0.10					3.003		S8155	27 94.742	-0.423	0.000	0.08					1.008		S5015	27 94.557	-0.288	0.000	0.42					1.009		S5016	27 94.392	-0.313	0.000	0.32					1.010	S5017 - PH4 Connection	27 94.330	-0.145	0.000	0.63						4.000		S5018	27 95.138	-0.266	0.000	0.03					1.011		S5019	27 94.286	-0.119	0.000	0.87					1.012	S5020 PH5 Connection	27 94.239	-0.201	0.000	0.77						1.013		S5021	32 93.973	-0.357	0.000	0.25					5.000		S5023	27 94.143	-0.377	0.000	0.06				
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	27 96.791	-0.324	0.000	0.05																																																																																																																																																																																																																																																										
2.000		S8133	27 97.450	-0.260	0.000	0.04																																																																																																																																																																																																																																																										
1.001		S8134	27 96.207	-0.343	0.000	0.13																																																																																																																																																																																																																																																										
1.002		S8141	27 96.035	-0.410	0.000	0.11																																																																																																																																																																																																																																																										
1.003		S8139	27 95.837	-0.418	0.000	0.09																																																																																																																																																																																																																																																										
1.004		S8140	27 95.448	-0.397	0.000	0.14																																																																																																																																																																																																																																																										
1.005		S4008	27 95.318	-0.308	0.000	0.36																																																																																																																																																																																																																																																										
1.006		S4011	27 95.193	-0.396	0.000	0.14																																																																																																																																																																																																																																																										
1.007		S4012	27 94.728	-0.357	0.000	0.22																																																																																																																																																																																																																																																										
3.000		S8157	27 95.970	-0.335	0.000	0.03																																																																																																																																																																																																																																																										
3.001		S8159	27 95.107	-0.373	0.000	0.07																																																																																																																																																																																																																																																										
3.002		S8154	27 94.924	-0.416	0.000	0.10																																																																																																																																																																																																																																																										
3.003		S8155	27 94.742	-0.423	0.000	0.08																																																																																																																																																																																																																																																										
1.008		S5015	27 94.557	-0.288	0.000	0.42																																																																																																																																																																																																																																																										
1.009		S5016	27 94.392	-0.313	0.000	0.32																																																																																																																																																																																																																																																										
1.010	S5017 - PH4 Connection	27 94.330	-0.145	0.000	0.63																																																																																																																																																																																																																																																											
4.000		S5018	27 95.138	-0.266	0.000	0.03																																																																																																																																																																																																																																																										
1.011		S5019	27 94.286	-0.119	0.000	0.87																																																																																																																																																																																																																																																										
1.012	S5020 PH5 Connection	27 94.239	-0.201	0.000	0.77																																																																																																																																																																																																																																																											
1.013		S5021	32 93.973	-0.357	0.000	0.25																																																																																																																																																																																																																																																										
5.000		S5023	27 94.143	-0.377	0.000	0.06																																																																																																																																																																																																																																																										
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

Dean Court 85 Adllington Road Wilmslow SK9 1BT
--



```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by

Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 8.6	OK
2.000		S8133 6.7	OK
1.001		S8134 23.4	OK
1.002		S8141 33.2	OK
1.003		S8139 35.5	OK
1.004		S8140 49.0	OK
1.005		S4008 58.2	OK
1.006		S4011 60.2	OK
1.007		S4012 71.2	OK
3.000		S8157 6.4	OK
3.001		S8159 14.6	OK
3.002		S8154 27.9	OK
3.003		S8155 36.9	OK
1.008		S5015 118.9	OK
1.009		S5016 118.8	OK
1.010	S5017 - PH4 Connection	129.3	OK
4.000		S5018 5.9	OK
1.011		S5019 137.3	OK
1.012	S5020 PH5 Connection	141.5	OK
1.013		S5021 148.8	OK
5.000		S5023 16.2	OK

JS Bloor (Wilmslow) Ltd		Page 133
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025 31	93.972	-0.188	0.000	0.12	
6.000		S5026 27	94.339	-0.253	0.000	0.06	
6.001		S5027 31	93.972	-0.163	0.000	0.12	
5.002		S5028 31	93.971	-0.045	0.000	0.26	
1.014		S5029 30	93.970	0.000	0.000	0.75	
1.015		S5030 29	93.963	0.036	0.000	0.80	
1.016		S8121 29	93.961	0.074	0.000	0.90	
1.017	S5036 - Headwall	29	93.960	-0.365	0.000	0.19	
7.000		S8135 27	96.300	-0.316	0.000	0.12	
7.001		S8136 27	96.264	-0.279	0.000	0.23	
7.002		S8137 25	96.216	-0.258	0.000	0.33	
7.003		S8161 25	96.157	-0.257	0.000	0.35	
8.000		S8151 27	96.250	-0.207	0.000	0.21	
7.004		S8162 26	96.078	-0.262	0.000	0.37	
7.005		S8152 25	95.878	-0.322	0.000	0.32	
9.000		S8144 27	96.295	-0.255	0.000	0.06	
9.001		S8145 27	96.056	-0.319	0.000	0.05	
7.006		S8146 26	95.754	-0.336	0.000	0.28	
10.000		S8165 27	95.585	-0.410	0.000	0.02	
10.001		S8164 27	95.535	-0.376	0.000	0.04	
7.007		S8147 26	95.534	-0.346	0.000	0.25	
7.008		S8150 24	95.256	-0.289	0.000	0.39	
7.009		S8149 24	95.158	-0.207	0.000	0.67	
11.000		S5037 27	95.196	-0.183	0.000	0.08	
11.001		S5038 25	95.010	-0.224	0.000	0.11	
11.002		S5039 24	94.977	-0.178	0.000	0.11	
12.000		S5040 27	95.240	-0.142	0.000	0.29	
7.010		S5041 24	94.970	-0.333	0.000	0.29	
7.011		S5042 24	94.512	-0.343	0.000	0.26	
7.012		S5047 30	93.965	-0.055	0.000	0.52	
7.013		S8167 29	93.963	0.108	0.000	0.58	
7.014	S5048 - Headwall	29	93.962	0.087	0.000	0.63	
1.018	S5049 - Headwall	28	93.960	0.010	0.000	0.75	
1.019	S5050 Control Chamber	12	93.959	0.509	0.000	0.13	

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025 25.8		OK
6.000		S5026 6.4		OK
6.001		S5027 15.9		OK
5.002		S5028 45.1		OK
1.014		S5029 198.8		OK
1.015		S5030 199.6		SURCHARGED
1.016		S8121 206.3		SURCHARGED
1.017	S5036 - Headwall	218.6		OK*
7.000		S8135 16.9		OK

JS Bloor (Wilmslow) Ltd			Page 134
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 31.5	OK
7.002		S8137 45.2	OK
7.003		S8161 49.3	OK
8.000		S8151 12.7	OK
7.004		S8162 72.5	OK
7.005		S8152 80.8	OK
9.000		S8144 4.5	OK
9.001		S8145 11.0	OK
7.006		S8146 98.3	OK
10.000		S8165 2.7	OK
10.001		S8164 6.7	OK
7.007		S8147 112.2	OK
7.008		S8150 113.4	OK
7.009		S8149 126.4	OK
11.000		S5037 2.9	OK
11.001		S5038 6.6	OK
11.002		S5039 7.0	OK
12.000		S5040 11.3	OK
7.010		S5041 148.2	OK
7.011		S5042 152.4	OK
7.012		S5047 161.0	OK
7.013		S8167 160.0	SURCHARGED
7.014	S5048 - Headwall	159.2	SURCHARGED
1.018	S5049 - Headwall	379.9	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			



Designed by d_southa

Checked by

Network 2020.1.3

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 7.2	OK
2.000		S8133 5.6	OK
1.001		S8134 19.6	OK
1.002		S8141 27.8	OK
1.003		S8139 29.7	OK
1.004		S8140 41.0	OK
1.005		S4008 48.7	OK
1.006		S4011 50.4	OK
1.007		S4012 59.6	OK
3.000		S8157 5.3	OK
3.001		S8159 12.2	OK
3.002		S8154 23.4	OK
3.003		S8155 30.8	OK
1.008		S5015 99.5	OK
1.009		S5016 99.5	OK
1.010	S5017 - PH4 Connection	108.3	OK
4.000		S5018 5.0	OK
1.011		S5019 115.2	OK
1.012	S5020 PH5 Connection	119.0	OK
1.013		S5021 125.4	OK
5.000		S5023 13.6	OK

JS Bloor (Wilmslow) Ltd							Page 137	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 600 minute 100 year Summer I+40% for Surface Network 5</u>								
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
5.001	S5025	30	93.985	-0.175	0.000	0.10		
6.000	S5026	32	94.335	-0.257	0.000	0.05		
6.001	S5027	30	93.985	-0.150	0.000	0.10		
5.002	S5028	30	93.984	-0.032	0.000	0.23		
1.014	S5029	28	93.984	0.013	0.000	0.64		
1.015	S5030	28	93.982	0.055	0.000	0.68		
1.016	S8121	28	93.980	0.093	0.000	0.77		
1.017	S5036 - Headwall	27	93.979	-0.346	0.000	0.17		
7.000	S8135	32	96.285	-0.331	0.000	0.10		
7.001	S8136	32	96.247	-0.296	0.000	0.19		
7.002	S8137	32	96.198	-0.276	0.000	0.28		
7.003	S8161	31	96.139	-0.275	0.000	0.30		
8.000	S8151	32	96.241	-0.216	0.000	0.18		
7.004	S8162	32	96.060	-0.279	0.000	0.31		
7.005	S8152	31	95.858	-0.342	0.000	0.27		
9.000	S8144	32	96.291	-0.259	0.000	0.05		
9.001	S8145	32	96.051	-0.324	0.000	0.04		
7.006	S8146	32	95.737	-0.353	0.000	0.23		
10.000	S8165	32	95.577	-0.418	0.000	0.01		
10.001	S8164	32	95.520	-0.391	0.000	0.03		
7.007	S8147	32	95.518	-0.362	0.000	0.21		
7.008	S8150	31	95.230	-0.315	0.000	0.33		
7.009	S8149	31	95.124	-0.241	0.000	0.57		
11.000	S5037	32	95.192	-0.188	0.000	0.07		
11.001	S5038	32	95.000	-0.234	0.000	0.09		
11.002	S5039	31	94.961	-0.195	0.000	0.09		
12.000	S5040	32	95.233	-0.150	0.000	0.24		
7.010	S5041	31	94.953	-0.350	0.000	0.24		
7.011	S5042	31	94.496	-0.359	0.000	0.22		
7.012	S5047	28	93.984	-0.036	0.000	0.44		
7.013	S8167	28	93.982	0.127	0.000	0.49		
7.014	S5048 - Headwall	27	93.981	0.106	0.000	0.53		
1.018	S5049 - Headwall	25	93.979	0.029	0.000	0.62		
1.019	S5050 Control Chamber	10	93.978	0.528	0.000	0.13		
	</							

JS Bloor (Wilmslow) Ltd			Page 138
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 600 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 26.4	OK
7.002		S8137 37.9	OK
7.003		S8161 41.4	OK
8.000		S8151 10.6	OK
7.004		S8162 60.8	OK
7.005		S8152 67.7	OK
9.000		S8144 3.8	OK
9.001		S8145 9.2	OK
7.006		S8146 82.4	OK
10.000		S8165 2.2	OK
10.001		S8164 5.6	OK
7.007		S8147 94.1	OK
7.008		S8150 95.2	OK
7.009		S8149 106.5	OK
11.000		S5037 2.4	OK
11.001		S5038 5.5	OK
11.002		S5039 5.9	OK
12.000		S5040 9.4	OK
7.010		S5041 124.8	OK
7.011		S5042 128.6	OK
7.012		S5047 136.1	OK
7.013		S8167 135.8	SURCHARGED
7.014	S5048 - Headwall	135.2	SURCHARGED
1.018	S5049 - Headwall	313.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 141
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 720 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	29 93.996	-0.164	0.000	0.09	
6.000		S5026	35 94.332	-0.260	0.000	0.04	
6.001		S5027	29 93.996	-0.139	0.000	0.09	
5.002		S5028	26 93.996	-0.020	0.000	0.20	
1.014		S5029	26 93.995	0.025	0.000	0.55	
1.015		S5030	26 93.993	0.066	0.000	0.59	
1.016		S8121	26 93.992	0.105	0.000	0.66	
1.017	S5036 - Headwall	25 93.991	-0.334	0.000	0.14		
7.000		S8135	35 96.274	-0.341	0.000	0.09	
7.001		S8136	35 96.235	-0.308	0.000	0.16	
7.002		S8137	35 96.184	-0.290	0.000	0.24	
7.003		S8161	35 96.125	-0.289	0.000	0.26	
8.000		S8151	35 96.235	-0.222	0.000	0.15	
7.004		S8162	35 96.046	-0.293	0.000	0.27	
7.005		S8152	35 95.845	-0.355	0.000	0.23	
9.000		S8144	35 96.288	-0.262	0.000	0.04	
9.001		S8145	35 96.047	-0.328	0.000	0.04	
7.006		S8146	35 95.725	-0.365	0.000	0.20	
10.000		S8165	35 95.571	-0.424	0.000	0.01	
10.001		S8164	35 95.508	-0.403	0.000	0.03	
7.007		S8147	35 95.506	-0.374	0.000	0.18	
7.008		S8150	35 95.211	-0.334	0.000	0.28	
7.009		S8149	35 95.101	-0.265	0.000	0.49	
11.000		S5037	35 95.189	-0.191	0.000	0.06	
11.001		S5038	35 94.994	-0.239	0.000	0.08	
11.002		S5039	35 94.950	-0.206	0.000	0.08	
12.000		S5040	35 95.228	-0.155	0.000	0.21	
7.010		S5041	35 94.941	-0.362	0.000	0.21	
7.011		S5042	35 94.484	-0.371	0.000	0.19	
7.012		S5047	26 93.995	-0.025	0.000	0.38	
7.013		S8167	26 93.994	0.138	0.000	0.42	
7.014	S5048 - Headwall	26 93.993	0.118	0.000	0.46		
1.018	S5049 - Headwall	24 93.991	0.041	0.000	0.53		
1.019	S5050 Control Chamber	9 93.990	0.540	0.000	0.13		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001		S5025 18.9	OK
6.000		S5026 4.6	OK
6.001		S5027 11.6	OK
5.002		S5028 33.3	OK
1.014		S5029 146.0	SURCHARGED
1.015		S5030 146.7	SURCHARGED
1.016		S8121 151.7	SURCHARGED
1.017	S5036 - Headwall	160.3	OK*
7.000		S8135 12.3	OK

JS Bloor (Wilmslow) Ltd			Page 142
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 720 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 22.8	OK
7.002		S8137 32.8	OK
7.003		S8161 35.8	OK
8.000		S8151 9.2	OK
7.004		S8162 52.6	OK
7.005		S8152 58.6	OK
9.000		S8144 3.2	OK
9.001		S8145 7.9	OK
7.006		S8146 71.3	OK
10.000		S8165 1.9	OK
10.001		S8164 4.9	OK
7.007		S8147 81.4	OK
7.008		S8150 82.4	OK
7.009		S8149 92.3	OK
11.000		S5037 2.1	OK
11.001		S5038 4.8	OK
11.002		S5039 5.1	OK
12.000		S5040 8.1	OK
7.010		S5041 108.1	OK
7.011		S5042 111.5	OK
7.012		S5047 117.9	OK
7.013		S8167 117.5	SURCHARGED
7.014	S5048 - Headwall	117.2	SURCHARGED
1.018	S5049 - Headwall	267.7	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 143																																																																																																																																																																																																																																																									
Dean Court 85 Adlington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																																										
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																																																																																																																																																																																																																																																										
Hot Start Level (mm)		0		Inlet Coefficient		0.800																																																																																																																																																																																																																																																										
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000																																																																																																																																																																																																																																																										
Foul Sewage per hectare (l/s)		0.000																																																																																																																																																																																																																																																														
Number of Input Hydrographs				0		Number of Storage Structures		3																																																																																																																																																																																																																																																								
Number of Online Controls				1		Number of Time/Area Diagrams		0																																																																																																																																																																																																																																																								
Number of Offline Controls				0		Number of Real Time Controls		0																																																																																																																																																																																																																																																								
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model		FSR		Ratio R		0.413																																																																																																																																																																																																																																																										
Region England and Wales		Cv (Summer)		0.750																																																																																																																																																																																																																																																												
M5-60 (mm)		19.500		Cv (Winter)		0.840																																																																																																																																																																																																																																																										
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																																																																																																																																																																																																																																																								
Analysis Timestep				Fine		Inertia Status		OFF																																																																																																																																																																																																																																																								
DTS 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)		1, 30, 100																																																																																																																																																																																																																																																														
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																																														
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>40</td><td>96.780</td><td>-0.335</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>40</td><td>97.442</td><td>-0.268</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>40</td><td>96.180</td><td>-0.370</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>40</td><td>96.005</td><td>-0.440</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>40</td><td>95.807</td><td>-0.448</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>40</td><td>95.417</td><td>-0.428</td><td>0.000</td><td>0.08</td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>40</td><td>95.262</td><td>-0.364</td><td>0.000</td><td>0.21</td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>40</td><td>95.162</td><td>-0.427</td><td>0.000</td><td>0.08</td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>40</td><td>94.685</td><td>-0.400</td><td>0.000</td><td>0.13</td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>40</td><td>95.956</td><td>-0.349</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>40</td><td>95.087</td><td>-0.393</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>40</td><td>94.894</td><td>-0.446</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>40</td><td>94.714</td><td>-0.451</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>40</td><td>94.494</td><td>-0.351</td><td>0.000</td><td>0.24</td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>40</td><td>94.332</td><td>-0.373</td><td>0.000</td><td>0.19</td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>40</td><td>94.209</td><td>-0.266</td><td>0.000</td><td>0.36</td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>40</td><td>95.128</td><td>-0.276</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>40</td><td>94.163</td><td>-0.242</td><td>0.000</td><td>0.50</td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>41</td><td>94.120</td><td>-0.320</td><td>0.000</td><td>0.45</td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>27</td><td>94.007</td><td>-0.323</td><td>0.000</td><td>0.14</td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>40</td><td>94.125</td><td>-0.395</td><td>0.000</td><td>0.04</td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	40	96.780	-0.335	0.000	0.03				2.000		S8133	40	97.442	-0.268	0.000	0.02				1.001		S8134	40	96.180	-0.370	0.000	0.07				1.002		S8141	40	96.005	-0.440	0.000	0.06				1.003		S8139	40	95.807	-0.448	0.000	0.05				1.004		S8140	40	95.417	-0.428	0.000	0.08				1.005		S4008	40	95.262	-0.364	0.000	0.21				1.006		S4011	40	95.162	-0.427	0.000	0.08				1.007		S4012	40	94.685	-0.400	0.000	0.13				3.000		S8157	40	95.956	-0.349	0.000	0.01				3.001		S8159	40	95.087	-0.393	0.000	0.04				3.002		S8154	40	94.894	-0.446	0.000	0.06				3.003		S8155	40	94.714	-0.451	0.000	0.05				1.008		S5015	40	94.494	-0.351	0.000	0.24				1.009		S5016	40	94.332	-0.373	0.000	0.19				1.010	S5017 - PH4 Connection	40	94.209	-0.266	0.000	0.36					4.000		S5018	40	95.128	-0.276	0.000	0.02				1.011		S5019	40	94.163	-0.242	0.000	0.50				1.012	S5020 PH5 Connection	41	94.120	-0.320	0.000	0.45					1.013		S5021	27	94.007	-0.323	0.000	0.14				5.000		S5023	40	94.125	-0.395	0.000	0.04			
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	40	96.780	-0.335	0.000	0.03																																																																																																																																																																																																																																																									
2.000		S8133	40	97.442	-0.268	0.000	0.02																																																																																																																																																																																																																																																									
1.001		S8134	40	96.180	-0.370	0.000	0.07																																																																																																																																																																																																																																																									
1.002		S8141	40	96.005	-0.440	0.000	0.06																																																																																																																																																																																																																																																									
1.003		S8139	40	95.807	-0.448	0.000	0.05																																																																																																																																																																																																																																																									
1.004		S8140	40	95.417	-0.428	0.000	0.08																																																																																																																																																																																																																																																									
1.005		S4008	40	95.262	-0.364	0.000	0.21																																																																																																																																																																																																																																																									
1.006		S4011	40	95.162	-0.427	0.000	0.08																																																																																																																																																																																																																																																									
1.007		S4012	40	94.685	-0.400	0.000	0.13																																																																																																																																																																																																																																																									
3.000		S8157	40	95.956	-0.349	0.000	0.01																																																																																																																																																																																																																																																									
3.001		S8159	40	95.087	-0.393	0.000	0.04																																																																																																																																																																																																																																																									
3.002		S8154	40	94.894	-0.446	0.000	0.06																																																																																																																																																																																																																																																									
3.003		S8155	40	94.714	-0.451	0.000	0.05																																																																																																																																																																																																																																																									
1.008		S5015	40	94.494	-0.351	0.000	0.24																																																																																																																																																																																																																																																									
1.009		S5016	40	94.332	-0.373	0.000	0.19																																																																																																																																																																																																																																																									
1.010	S5017 - PH4 Connection	40	94.209	-0.266	0.000	0.36																																																																																																																																																																																																																																																										
4.000		S5018	40	95.128	-0.276	0.000	0.02																																																																																																																																																																																																																																																									
1.011		S5019	40	94.163	-0.242	0.000	0.50																																																																																																																																																																																																																																																									
1.012	S5020 PH5 Connection	41	94.120	-0.320	0.000	0.45																																																																																																																																																																																																																																																										
1.013		S5021	27	94.007	-0.323	0.000	0.14																																																																																																																																																																																																																																																									
5.000		S5023	40	94.125	-0.395	0.000	0.04																																																																																																																																																																																																																																																									
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 5.0	OK
2.000		S8133 3.8	OK
1.001		S8134 13.5	OK
1.002		S8141 19.0	OK
1.003		S8139 20.4	OK
1.004		S8140 28.1	OK
1.005		S4008 33.4	OK
1.006		S4011 34.6	OK
1.007		S4012 40.9	OK
3.000		S8157 3.7	OK
3.001		S8159 8.4	OK
3.002		S8154 16.0	OK
3.003		S8155 21.2	OK
1.008		S5015 68.2	OK
1.009		S5016 68.2	OK
1.010	S5017 - PH4 Connection	74.3	OK
4.000		S5018 3.4	OK
1.011		S5019 79.1	OK
1.012	S5020 PH5 Connection	81.6	OK
1.013		S5021 86.0	OK
5.000		S5023 9.3	OK

JS Bloor (Wilmslow) Ltd		Page 145
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	25 94.007	-0.153	0.000	0.07		
6.000		S5026	40 94.328	-0.264	0.000	0.03		
6.001		S5027	25 94.007	-0.128	0.000	0.07		
5.002		S5028	25 94.006	-0.010	0.000	0.15		
1.014		S5029	25 94.006	0.036	0.000	0.44		
1.015		S5030	25 94.004	0.077	0.000	0.46		
1.016		S8121	25 94.004	0.116	0.000	0.52		
1.017	S5036 - Headwall	23 94.003	-0.322	0.000	0.11			
7.000		S8135	40 96.261	-0.354	0.000	0.07		
7.001		S8136	40 96.217	-0.325	0.000	0.13		
7.002		S8137	40 96.166	-0.308	0.000	0.19		
7.003		S8161	40 96.107	-0.307	0.000	0.20		
8.000		S8151	40 96.226	-0.231	0.000	0.12		
7.004		S8162	40 96.029	-0.310	0.000	0.21		
7.005		S8152	40 95.826	-0.374	0.000	0.18		
9.000		S8144	40 96.285	-0.265	0.000	0.03		
9.001		S8145	40 96.043	-0.332	0.000	0.03		
7.006		S8146	40 95.705	-0.385	0.000	0.16		
10.000		S8165	40 95.565	-0.430	0.000	0.01		
10.001		S8164	40 95.490	-0.421	0.000	0.02		
7.007		S8147	40 95.488	-0.392	0.000	0.15		
7.008		S8150	40 95.188	-0.357	0.000	0.23		
7.009		S8149	40 95.068	-0.298	0.000	0.39		
11.000		S5037	40 95.185	-0.194	0.000	0.05		
11.001		S5038	40 94.984	-0.250	0.000	0.06		
11.002		S5039	40 94.933	-0.223	0.000	0.07		
12.000		S5040	40 95.219	-0.164	0.000	0.17		
7.010		S5041	40 94.921	-0.382	0.000	0.17		
7.011		S5042	40 94.465	-0.390	0.000	0.15		
7.012		S5047	25 94.006	-0.014	0.000	0.30		
7.013		S8167	25 94.005	0.149	0.000	0.34		
7.014	S5048 - Headwall	24 94.004	0.129	0.000	0.37			
1.018	S5049 - Headwall	22 94.003	0.053	0.000	0.42			
1.019	S5050 Control Chamber	8 94.002	0.552	0.000	0.13			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	15.0	OK
6.000		S5026	3.7	OK
6.001		S5027	9.2	OK
5.002		S5028	26.4	OK
1.014		S5029	115.6	SURCHARGED
1.015		S5030	115.9	SURCHARGED
1.016		S8121	119.8	SURCHARGED
1.017	S5036 - Headwall	126.7		OK*
7.000		S8135	9.7	OK

JS Bloor (Wilmslow) Ltd			Page 146
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 18.1	OK
7.002		S8137 26.0	OK
7.003		S8161 28.4	OK
8.000		S8151 7.3	OK
7.004		S8162 41.8	OK
7.005		S8152 46.5	OK
9.000		S8144 2.6	OK
9.001		S8145 6.3	OK
7.006		S8146 56.6	OK
10.000		S8165 1.5	OK
10.001		S8164 3.9	OK
7.007		S8147 64.6	OK
7.008		S8150 65.4	OK
7.009		S8149 73.3	OK
11.000		S5037 1.7	OK
11.001		S5038 3.8	OK
11.002		S5039 4.0	OK
12.000		S5040 6.5	OK
7.010		S5041 85.9	OK
7.011		S5042 88.6	OK
7.012		S5047 93.6	OK
7.013		S8167 93.3	SURCHARGED
7.014	S5048 - Headwall	93.0	SURCHARGED
1.018	S5049 - Headwall	211.3	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 149
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		

Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025 24	94.010	-0.150	0.000	0.05	
6.000		S5026 49	94.323	-0.268	0.000	0.02	
6.001		S5027 24	94.010	-0.125	0.000	0.05	
5.002		S5028 24	94.010	-0.006	0.000	0.11	
1.014		S5029 24	94.010	0.040	0.000	0.32	
1.015		S5030 24	94.009	0.082	0.000	0.33	
1.016		S8121 24	94.007	0.120	0.000	0.37	
1.017	S5036 - Headwall	22	94.007	-0.318	0.000	0.08	
7.000		S8135 48	96.243	-0.372	0.000	0.05	
7.001		S8136 48	96.196	-0.346	0.000	0.09	
7.002		S8137 48	96.143	-0.331	0.000	0.14	
7.003		S8161 48	96.084	-0.330	0.000	0.15	
8.000		S8151 49	96.216	-0.241	0.000	0.09	
7.004		S8162 48	96.006	-0.333	0.000	0.15	
7.005		S8152 48	95.801	-0.399	0.000	0.13	
9.000		S8144 49	96.281	-0.269	0.000	0.02	
9.001		S8145 49	96.038	-0.337	0.000	0.02	
7.006		S8146 48	95.683	-0.407	0.000	0.12	
10.000		S8165 49	95.559	-0.436	0.000	0.01	
10.001		S8164 48	95.470	-0.441	0.000	0.02	
7.007		S8147 48	95.468	-0.412	0.000	0.10	
7.008		S8150 48	95.161	-0.384	0.000	0.16	
7.009		S8149 48	95.030	-0.336	0.000	0.28	
11.000		S5037 49	95.181	-0.199	0.000	0.03	
11.001		S5038 48	94.974	-0.259	0.000	0.04	
11.002		S5039 48	94.916	-0.240	0.000	0.05	
12.000		S5040 49	95.209	-0.173	0.000	0.12	
7.010		S5041 48	94.899	-0.404	0.000	0.12	
7.011		S5042 48	94.445	-0.410	0.000	0.11	
7.012		S5047 24	94.010	-0.010	0.000	0.22	
7.013		S8167 24	94.009	0.153	0.000	0.24	
7.014	S5048 - Headwall	23	94.008	0.133	0.000	0.26	
1.018	S5049 - Headwall	21	94.007	0.057	0.000	0.30	
1.019	S5050 Control Chamber	7	94.006	0.556	0.000	0.13	

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001		S5025 10.9	OK
6.000		S5026 2.6	OK
6.001		S5027 6.6	OK
5.002		S5028 19.0	OK
1.014		S5029 83.2	SURCHARGED
1.015		S5030 83.4	SURCHARGED
1.016		S8121 86.1	SURCHARGED
1.017	S5036 - Headwall	91.0	OK*
7.000		S8135 7.0	OK

JS Bloor (Wilmslow) Ltd			Page 150
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 13.1	OK
7.002		S8137 18.8	OK
7.003		S8161 20.5	OK
8.000		S8151 5.3	OK
7.004		S8162 30.1	OK
7.005		S8152 33.6	OK
9.000		S8144 1.9	OK
9.001		S8145 4.5	OK
7.006		S8146 40.8	OK
10.000		S8165 1.1	OK
10.001		S8164 2.8	OK
7.007		S8147 46.6	OK
7.008		S8150 47.2	OK
7.009		S8149 52.9	OK
11.000		S5037 1.2	OK
11.001		S5038 2.7	OK
11.002		S5039 2.9	OK
12.000		S5040 4.7	OK
7.010		S5041 61.9	OK
7.011		S5042 63.9	OK
7.012		S5047 67.5	OK
7.013		S8167 67.2	SURCHARGED
7.014	S5048 - Headwall	67.1	SURCHARGED
1.018	S5049 - Headwall	152.2	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 151																		
Dean Court 85 Adllington Road Wilmslow SK9 1BT																									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																					
Elstree Computing Ltd				Network 2020.1.3																					
<u>Summary Wizard of 15 minute 1 year Winter I+0% for Surface Network 5</u>																									
<u>Simulation Criteria</u>																									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																			
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		3																	
Number of Online Controls				1		Number of Time/Area Diagrams		0																	
Number of Offline Controls				0		Number of Real Time Controls		0																	
<u>Synthetic Rainfall Details</u>																									
Rainfall Model		FSR		Ratio R		0.413																			
Region England and Wales		Cv (Summer)		0.750																					
M5-60 (mm)		19.500		Cv (Winter)		0.840																			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																	
Analysis Timestep				Fine		Inertia Status		OFF																	
DTS 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)		1, 30, 100																							
Climate Change (%)		0, 0, 40																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water Level</th><th colspan="2">Surcharged Depth</th><th colspan="2">Flooded Volume</th><th rowspan="2">Flow / Overflow Cap.</th><th rowspan="2">Half Drain Time (mins)</th></tr><tr><th></th><th>(m)</th><th></th><th>(m)</th><th></th><th>(m³)</th></tr></table>									PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume		Flow / Overflow Cap.	Half Drain Time (mins)		(m)		(m)		(m³)
PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume					Flow / Overflow Cap.	Half Drain Time (mins)												
				(m)		(m)		(m³)																	
1.000		S8142	18	96.806	-0.309	0.000	0.07																		
2.000		S8133	18	97.461	-0.249	0.000	0.07																		
1.001		S8134	19	96.232	-0.318	0.000	0.19																		
1.002		S8141	19	96.057	-0.388	0.000	0.15																		
1.003		S8139	19	95.855	-0.400	0.000	0.13																		
1.004		S8140	19	95.472	-0.373	0.000	0.18																		
1.005		S4008	19	95.355	-0.271	0.000	0.47																		
1.006		S4011	19	95.214	-0.375	0.000	0.18																		
1.007		S4012	20	94.751	-0.334	0.000	0.28																		
3.000		S8157	18	95.978	-0.327	0.000	0.04																		
3.001		S8159	19	95.125	-0.355	0.000	0.10																		
3.002		S8154	19	94.942	-0.398	0.000	0.13																		
3.003		S8155	19	94.758	-0.407	0.000	0.11																		
1.008		S5015	21	94.589	-0.256	0.000	0.52																		
1.009		S5016	22	94.422	-0.283	0.000	0.39																		
1.010	S5017 - PH4 Connection	23	94.370	-0.105	0.000	0.73																			
4.000		S5018	18	95.145	-0.259	0.000	0.05																		
1.011		S5019	23	94.326	-0.079	0.000	0.97																		
1.012	S5020 PH5 Connection	23	94.273	-0.167	0.000	0.87																			
1.013		S5021	34	93.942	-0.388	0.000	0.27																		
5.000		S5023	18	94.164	-0.356	0.000	0.10																		
©1982-2020 Innovyze																									

JS Bloor (Wilmslow) Ltd		Page 153
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 15 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	35 93.836	-0.324	0.000	0.17		
6.000		S5026	18 94.353	-0.239	0.000	0.09		
6.001		S5027	34 93.865	-0.270	0.000	0.17		
5.002		S5028	35 93.817	-0.200	0.000	0.36		
1.014		S5029	35 93.809	-0.161	0.000	0.76		
1.015		S5030	36 93.755	-0.172	0.000	0.78		
1.016		S8121	36 93.697	-0.190	0.000	0.86		
1.017	S5036 - Headwall	36 93.678	-0.647	0.000	0.17			
7.000		S8135	23 96.310	-0.305	0.000	0.14		
7.001		S8136	23 96.276	-0.267	0.000	0.25		
7.002		S8137	23 96.227	-0.247	0.000	0.37		
7.003		S8161	23 96.166	-0.248	0.000	0.38		
8.000		S8151	18 96.275	-0.182	0.000	0.32		
7.004		S8162	23 96.088	-0.252	0.000	0.40		
7.005		S8152	23 95.888	-0.312	0.000	0.35		
9.000		S8144	18 96.309	-0.241	0.000	0.08		
9.001		S8145	19 96.068	-0.307	0.000	0.08		
7.006		S8146	23 95.764	-0.326	0.000	0.31		
10.000		S8165	21 95.594	-0.401	0.000	0.02		
10.001		S8164	23 95.545	-0.366	0.000	0.05		
7.007		S8147	23 95.543	-0.337	0.000	0.28		
7.008		S8150	23 95.266	-0.279	0.000	0.43		
7.009		S8149	23 95.168	-0.198	0.000	0.70		
11.000		S5037	18 95.207	-0.173	0.000	0.12		
11.001		S5038	23 95.015	-0.219	0.000	0.15		
11.002		S5039	23 94.978	-0.178	0.000	0.14		
12.000		S5040	18 95.265	-0.118	0.000	0.44		
7.010		S5041	23 94.971	-0.332	0.000	0.29		
7.011		S5042	23 94.513	-0.342	0.000	0.26		
7.012		S5047	34 93.765	-0.255	0.000	0.52		
7.013		S8167	37 93.713	-0.143	0.000	0.58		
7.014	S5048 - Headwall	36 93.693	-0.182	0.000	0.61			
1.018	S5049 - Headwall	42 93.642	-0.308	0.000	0.65			
1.019	S5050 Control Chamber	71 93.248	-0.202	0.000	0.05			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	38.0	OK
6.000		S5026	9.8	OK
6.001		S5027	22.4	OK
5.002		S5028	61.1	OK
1.014		S5029	199.8	OK
1.015		S5030	196.3	OK
1.016		S8121	196.7	OK
1.017	S5036 - Headwall	194.6		OK*
7.000		S8135	19.1	OK

JS Bloor (Wilmslow) Ltd			Page 154	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 15 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 35.1	OK	
7.002		S8137 49.6	OK	
7.003		S8161 53.6	OK	
8.000		S8151 19.5	OK	
7.004		S8162 79.1	OK	
7.005		S8152 88.0	OK	
9.000		S8144 6.9	OK	
9.001		S8145 15.4	OK	
7.006		S8146 107.6	OK	
10.000		S8165 4.1	OK	
10.001		S8164 8.5	OK	
7.007		S8147 123.2	OK	
7.008		S8150 123.8	OK	
7.009		S8149 131.9	OK	
11.000		S5037 4.5	OK	
11.001		S5038 9.2	OK	
11.002		S5039 8.9	OK	
12.000		S5040 16.9	OK	
7.010		S5041 150.3	OK	
7.011		S5042 154.1	OK	
7.012		S5047 161.7	OK	
7.013		S8167 159.5	OK	
7.014	S5048 - Headwall	154.3	OK	
1.018	S5049 - Headwall	327.0	OK	
1.019	S5050 Control Chamber	5.1	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 156	
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by		
Elstree Computing Ltd Network 2020.1.3			
<u>Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 10.3	OK
2.000		S8133 8.0	OK
1.001		S8134 27.4	OK
1.002		S8141 38.1	OK
1.003		S8139 40.4	OK
1.004		S8140 54.9	OK
1.005		S4008 64.9	OK
1.006		S4011 66.7	OK
1.007		S4012 77.5	OK
3.000		S8157 7.7	OK
3.001		S8159 16.8	OK
3.002		S8154 31.5	OK
3.003		S8155 41.4	OK
1.008		S5015 128.0	OK
1.009		S5016 127.2	OK
1.010	S5017 - PH4 Connection	135.0	OK
4.000		S5018 7.1	OK
1.011		S5019 141.1	OK
1.012	S5020 PH5 Connection	144.1	OK
1.013		S5021 149.9	OK
5.000		S5023 19.4	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 157
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	38 93.827	-0.333	0.000	0.14	
6.000		S5026	24 94.344	-0.248	0.000	0.07	
6.001		S5027	38 93.853	-0.282	0.000	0.14	
5.002		S5028	37 93.812	-0.205	0.000	0.29	
1.014		S5029	37 93.803	-0.167	0.000	0.72	
1.015		S5030	37 93.751	-0.176	0.000	0.74	
1.016		S8121	37 93.696	-0.191	0.000	0.82	
1.017	S5036 - Headwall	37 93.678	-0.647	0.000	0.17		
7.000		S8135	26 96.300	-0.315	0.000	0.12	
7.001		S8136	25 96.265	-0.278	0.000	0.23	
7.002		S8137	24 96.217	-0.257	0.000	0.33	
7.003		S8161	24 96.157	-0.257	0.000	0.35	
8.000		S8151	24 96.259	-0.198	0.000	0.25	
7.004		S8162	25 96.078	-0.261	0.000	0.37	
7.005		S8152	24 95.878	-0.322	0.000	0.32	
9.000		S8144	24 96.300	-0.250	0.000	0.07	
9.001		S8145	26 96.060	-0.315	0.000	0.06	
7.006		S8146	24 95.754	-0.336	0.000	0.28	
10.000		S8165	26 95.589	-0.406	0.000	0.02	
10.001		S8164	25 95.536	-0.376	0.000	0.04	
7.007		S8147	25 95.534	-0.346	0.000	0.25	
7.008		S8150	25 95.253	-0.292	0.000	0.39	
7.009		S8149	25 95.152	-0.214	0.000	0.65	
11.000		S5037	24 95.201	-0.179	0.000	0.09	
11.001		S5038	27 95.008	-0.225	0.000	0.12	
11.002		S5039	25 94.972	-0.184	0.000	0.12	
12.000		S5040	24 95.250	-0.133	0.000	0.34	
7.010		S5041	25 94.965	-0.338	0.000	0.28	
7.011		S5042	25 94.507	-0.348	0.000	0.25	
7.012		S5047	36 93.755	-0.265	0.000	0.49	
7.013		S8167	36 93.713	-0.142	0.000	0.54	
7.014	S5048 - Headwall	37 93.692	-0.183	0.000	0.58		
1.018	S5049 - Headwall	43 93.640	-0.310	0.000	0.65		
1.019	S5050 Control Chamber	69 93.275	-0.175	0.000	0.08		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	30.5	OK
6.000	S5026	7.7	OK
6.001	S5027	18.3	OK
5.002	S5028	49.6	OK
1.014	S5029	188.8	OK
1.015	S5030	186.1	OK
1.016	S8121	188.6	OK
1.017	S5036 - Headwall	191.4	OK*
7.000	S8135	16.9	OK

JS Bloor (Wilmslow) Ltd		Page 158
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	31.6	OK
7.002	S8137	45.3	OK
7.003	S8161	49.3	OK
8.000	S8151	15.3	OK
7.004	S8162	72.4	OK
7.005	S8152	80.6	OK
9.000	S8144	5.4	OK
9.001	S8145	12.6	OK
7.006	S8146	98.1	OK
10.000	S8165	3.2	OK
10.001	S8164	7.1	OK
7.007	S8147	112.3	OK
7.008	S8150	113.4	OK
7.009	S8149	122.6	OK
11.000	S5037	3.5	OK
11.001	S5038	7.5	OK
11.002	S5039	7.5	OK
12.000	S5040	13.2	OK
7.010	S5041	141.7	OK
7.011	S5042	145.5	OK
7.012	S5047	153.0	OK
7.013	S8167	151.0	OK
7.014	S5048 - Headwall	147.9	OK
1.018	S5049 - Headwall	324.8	OK
1.019	S5050 Control Chamber	7.2	OK

JS Bloor (Wilmslow) Ltd		Page 160
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 6.8	OK
2.000		S8133 5.3	OK
1.001		S8134 18.5	OK
1.002		S8141 26.1	OK
1.003		S8139 27.9	OK
1.004		S8140 38.4	OK
1.005		S4008 45.4	OK
1.006		S4011 46.7	OK
1.007		S4012 55.2	OK
3.000		S8157 5.0	OK
3.001		S8159 11.5	OK
3.002		S8154 21.9	OK
3.003		S8155 28.8	OK
1.008		S5015 91.9	OK
1.009		S5016 92.1	OK
1.010	S5017 - PH4 Connection	99.2	OK
4.000		S5018 4.7	OK
1.011		S5019 104.2	OK
1.012	S5020 PH5 Connection	107.8	OK
1.013		S5021 113.0	OK
5.000		S5023 12.8	OK

JS Bloor (Wilmslow) Ltd		Page 161
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025 41	93.802	-0.358	0.000	0.09		
6.000		S5026 33	94.334	-0.258	0.000	0.05		
6.001		S5027 41	93.838	-0.297	0.000	0.10		
5.002		S5028 42	93.753	-0.263	0.000	0.20		
1.014		S5029 41	93.745	-0.226	0.000	0.56		
1.015		S5030 42	93.696	-0.231	0.000	0.59		
1.016		S8121 48	93.647	-0.240	0.000	0.66		
1.017	S5036 - Headwall	48	93.629	-0.696	0.000	0.14		
7.000		S8135 33	96.277	-0.339	0.000	0.09		
7.001		S8136 33	96.237	-0.305	0.000	0.17		
7.002		S8137 33	96.187	-0.287	0.000	0.25		
7.003		S8161 34	96.128	-0.286	0.000	0.26		
8.000		S8151 33	96.239	-0.218	0.000	0.17		
7.004		S8162 33	96.049	-0.290	0.000	0.27		
7.005		S8152 34	95.847	-0.353	0.000	0.24		
9.000		S8144 33	96.290	-0.260	0.000	0.04		
9.001		S8145 33	96.049	-0.326	0.000	0.04		
7.006		S8146 33	95.727	-0.363	0.000	0.21		
10.000		S8165 33	95.573	-0.422	0.000	0.01		
10.001		S8164 33	95.510	-0.401	0.000	0.03		
7.007		S8147 34	95.508	-0.372	0.000	0.19		
7.008		S8150 34	95.213	-0.332	0.000	0.29		
7.009		S8149 34	95.103	-0.262	0.000	0.50		
11.000		S5037 33	95.191	-0.188	0.000	0.06		
11.001		S5038 33	94.995	-0.238	0.000	0.08		
11.002		S5039 34	94.950	-0.206	0.000	0.09		
12.000		S5040 33	95.231	-0.152	0.000	0.23		
7.010		S5041 34	94.941	-0.362	0.000	0.21		
7.011		S5042 34	94.485	-0.370	0.000	0.19		
7.012		S5047 41	93.719	-0.301	0.000	0.38		
7.013		S8167 47	93.657	-0.199	0.000	0.42		
7.014	S5048 - Headwall	48	93.640	-0.235	0.000	0.46		
1.018	S5049 - Headwall	54	93.589	-0.361	0.000	0.53		
1.019	S5050 Control Chamber	67	93.305	-0.145	0.000	0.10		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	20.7	OK
6.000	S5026	5.1	OK
6.001	S5027	12.6	OK
5.002	S5028	34.8	OK
1.014	S5029	148.1	OK
1.015	S5030	147.2	OK
1.016	S8121	150.7	OK
1.017	S5036 - Headwall	157.0	OK*
7.000	S8135	12.6	OK

JS Bloor (Wilmslow) Ltd			Page 162	
Dean Court 85 Adlington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 23.5	OK	
7.002		S8137 33.8	OK	
7.003		S8161 36.8	OK	
8.000		S8151 10.1	OK	
7.004		S8162 54.1	OK	
7.005		S8152 60.2	OK	
9.000		S8144 3.6	OK	
9.001		S8145 8.6	OK	
7.006		S8146 73.3	OK	
10.000		S8165 2.1	OK	
10.001		S8164 5.0	OK	
7.007		S8147 83.7	OK	
7.008		S8150 84.5	OK	
7.009		S8149 93.6	OK	
11.000		S5037 2.3	OK	
11.001		S5038 5.2	OK	
11.002		S5039 5.3	OK	
12.000		S5040 8.9	OK	
7.010		S5041 108.8	OK	
7.011		S5042 112.0	OK	
7.012		S5047 118.2	OK	
7.013		S8167 117.5	OK	
7.014	S5048 - Headwall	116.0	OK	
1.018	S5049 - Headwall	268.4	OK	
1.019	S5050 Control Chamber	9.0	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd			Page 164	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 4.3	OK	
2.000		S8133 3.4	OK	
1.001		S8134 11.7	OK	
1.002		S8141 16.6	OK	
1.003		S8139 17.7	OK	
1.004		S8140 24.4	OK	
1.005		S4008 29.0	OK	
1.006		S4011 29.8	OK	
1.007		S4012 35.1	OK	
3.000		S8157 3.2	OK	
3.001		S8159 7.3	OK	
3.002		S8154 14.0	OK	
3.003		S8155 18.4	OK	
1.008		S5015 58.7	OK	
1.009		S5016 58.5	OK	
1.010	S5017 - PH4 Connection	63.9	OK	
4.000		S5018 3.0	OK	
1.011		S5019 68.0	OK	
1.012	S5020 PH5 Connection	70.3	OK	
1.013		S5021 73.9	OK	
5.000		S5023 8.1	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 165
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	48 93.781	-0.379	0.000	0.06		
6.000		S5026	45 94.326	-0.266	0.000	0.03		
6.001		S5027	48 93.820	-0.315	0.000	0.06		
5.002		S5028	50 93.674	-0.342	0.000	0.13		
1.014		S5029	52 93.657	-0.313	0.000	0.38		
1.015		S5030	52 93.615	-0.312	0.000	0.40		
1.016		S8121	56 93.570	-0.317	0.000	0.45		
1.017	S5036 - Headwall	56 93.553	-0.772	0.000	0.10			
7.000		S8135	44 96.253	-0.363	0.000	0.06		
7.001		S8136	44 96.207	-0.336	0.000	0.11		
7.002		S8137	44 96.155	-0.319	0.000	0.16		
7.003		S8161	44 96.096	-0.318	0.000	0.17		
8.000		S8151	45 96.222	-0.235	0.000	0.11		
7.004		S8162	44 96.018	-0.322	0.000	0.18		
7.005		S8152	44 95.813	-0.387	0.000	0.15		
9.000		S8144	45 96.283	-0.267	0.000	0.03		
9.001		S8145	45 96.041	-0.334	0.000	0.03		
7.006		S8146	44 95.694	-0.396	0.000	0.14		
10.000		S8165	45 95.562	-0.433	0.000	0.01		
10.001		S8164	44 95.480	-0.431	0.000	0.02		
7.007		S8147	44 95.478	-0.402	0.000	0.12		
7.008		S8150	44 95.175	-0.370	0.000	0.19		
7.009		S8149	44 95.048	-0.318	0.000	0.33		
11.000		S5037	45 95.183	-0.196	0.000	0.04		
11.001		S5038	44 94.979	-0.254	0.000	0.05		
11.002		S5039	44 94.923	-0.233	0.000	0.06		
12.000		S5040	45 95.215	-0.168	0.000	0.15		
7.010		S5041	44 94.908	-0.395	0.000	0.14		
7.011		S5042	44 94.454	-0.401	0.000	0.13		
7.012		S5047	50 93.674	-0.346	0.000	0.25		
7.013		S8167	56 93.571	-0.284	0.000	0.28		
7.014	S5048 - Headwall	56 93.560	-0.315	0.000	0.31			
1.018	S5049 - Headwall	56 93.514	-0.436	0.000	0.37			
1.019	S5050 Control Chamber	64 93.335	-0.115	0.000	0.11			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	13.1	OK
6.000		S5026	3.2	OK
6.001		S5027	8.0	OK
5.002		S5028	23.0	OK
1.014		S5029	99.3	OK
1.015		S5030	99.5	OK
1.016		S8121	102.7	OK
1.017	S5036 - Headwall	108.1		OK*
7.000		S8135	8.2	OK

JS Bloor (Wilmslow) Ltd			Page 166	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 15.3	OK	
7.002		S8137 21.9	OK	
7.003		S8161 24.1	OK	
8.000		S8151 6.4	OK	
7.004		S8162 35.3	OK	
7.005		S8152 39.3	OK	
9.000		S8144 2.3	OK	
9.001		S8145 5.5	OK	
7.006		S8146 47.8	OK	
10.000		S8165 1.3	OK	
10.001		S8164 3.3	OK	
7.007		S8147 54.6	OK	
7.008		S8150 55.4	OK	
7.009		S8149 62.1	OK	
11.000		S5037 1.5	OK	
11.001		S5038 3.3	OK	
11.002		S5039 3.5	OK	
12.000		S5040 5.6	OK	
7.010		S5041 72.5	OK	
7.011		S5042 74.8	OK	
7.012		S5047 79.1	OK	
7.013		S8167 78.9	OK	
7.014	S5048 - Headwall	78.1	OK	
1.018	S5049 - Headwall	185.8	OK	
1.019	S5050 Control Chamber	10.0	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 167	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor 1.000				Additional Flow - % of Total Flow 0.000				
Hot Start (mins) 0				MADD Factor * 10m³/ha Storage 0.000				
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 3								
Number of Online Controls 1 Number of Time/Area Diagrams 0								
Number of Offline Controls 0 Number of Real Time Controls 0								
<u>Synthetic Rainfall Details</u>								
Rainfall Model FSR				Ratio R 0.413				
Region England and Wales Cv (Summer) 0.750								
M5-60 (mm) 19.500				Cv (Winter) 0.840				
Margin for Flood Risk Warning (mm) 300.0				DVD Status OFF				
Analysis Timestep				Fine Inertia Status OFF				
DTS 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)				1, 30, 100				
Climate Change (%)				0, 0, 40				
</								

JS Bloor (Wilmslow) Ltd		Page 168
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 3.3	OK
2.000		S8133 2.5	OK
1.001		S8134 8.9	OK
1.002		S8141 12.6	OK
1.003		S8139 13.4	OK
1.004		S8140 18.5	OK
1.005		S4008 22.1	OK
1.006		S4011 22.8	OK
1.007		S4012 26.9	OK
3.000		S8157 2.4	OK
3.001		S8159 5.5	OK
3.002		S8154 10.6	OK
3.003		S8155 13.9	OK
1.008		S5015 45.0	OK
1.009		S5016 44.9	OK
1.010	S5017 - PH4 Connection	48.8	OK
4.000		S5018 2.3	OK
1.011		S5019 51.8	OK
1.012	S5020 PH5 Connection	53.5	OK
1.013		S5021 56.4	OK
5.000		S5023 6.2	OK

JS Bloor (Wilmslow) Ltd		Page 169
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	53 93.771	-0.389	0.000	0.04	
6.000		S5026	52 94.323	-0.269	0.000	0.02	
6.001		S5027	53 93.812	-0.323	0.000	0.05	
5.002		S5028	57 93.634	-0.383	0.000	0.10	
1.014		S5029	59 93.608	-0.362	0.000	0.29	
1.015		S5030	59 93.567	-0.360	0.000	0.31	
1.016		S8121	59 93.526	-0.361	0.000	0.34	
1.017	S5036 - Headwall	59 93.510	-0.815	0.000	0.07		
7.000		S8135	52 96.239	-0.377	0.000	0.05	
7.001		S8136	52 96.191	-0.352	0.000	0.09	
7.002		S8137	52 96.136	-0.337	0.000	0.13	
7.003		S8161	52 96.078	-0.336	0.000	0.13	
8.000		S8151	52 96.213	-0.244	0.000	0.08	
7.004		S8162	52 96.000	-0.339	0.000	0.14	
7.005		S8152	52 95.795	-0.405	0.000	0.12	
9.000		S8144	52 96.280	-0.270	0.000	0.02	
9.001		S8145	52 96.036	-0.339	0.000	0.02	
7.006		S8146	52 95.678	-0.412	0.000	0.11	
10.000		S8165	52 95.558	-0.437	0.000	0.01	
10.001		S8164	52 95.466	-0.446	0.000	0.01	
7.007		S8147	52 95.463	-0.417	0.000	0.09	
7.008		S8150	52 95.153	-0.392	0.000	0.15	
7.009		S8149	52 95.019	-0.346	0.000	0.25	
11.000		S5037	52 95.180	-0.200	0.000	0.03	
11.001		S5038	52 94.972	-0.261	0.000	0.04	
11.002		S5039	52 94.911	-0.245	0.000	0.04	
12.000		S5040	52 95.207	-0.175	0.000	0.11	
7.010		S5041	52 94.893	-0.410	0.000	0.11	
7.011		S5042	52 94.440	-0.415	0.000	0.10	
7.012		S5047	57 93.652	-0.368	0.000	0.20	
7.013		S8167	59 93.528	-0.328	0.000	0.22	
7.014	S5048 - Headwall	59 93.515	-0.360	0.000	0.24		
1.018	S5049 - Headwall	59 93.473	-0.477	0.000	0.29		
1.019	S5050 Control Chamber	61 93.351	-0.099	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	10.0	OK
6.000	S5026	2.4	OK
6.001	S5027	6.1	OK
5.002	S5028	17.6	OK
1.014	S5029	76.1	OK
1.015	S5030	76.6	OK
1.016	S8121	79.3	OK
1.017	S5036 - Headwall	83.7	OK*
7.000	S8135	6.3	OK

JS Bloor (Wilmslow) Ltd			Page 170	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 11.8	OK	
7.002		S8137 17.0	OK	
7.003		S8161 18.5	OK	
8.000		S8151 4.8	OK	
7.004		S8162 27.2	OK	
7.005		S8152 30.3	OK	
9.000		S8144 1.7	OK	
9.001		S8145 4.2	OK	
7.006		S8146 36.9	OK	
10.000		S8165 1.0	OK	
10.001		S8164 2.5	OK	
7.007		S8147 42.2	OK	
7.008		S8150 42.6	OK	
7.009		S8149 47.7	OK	
11.000		S5037 1.1	OK	
11.001		S5038 2.5	OK	
11.002		S5039 2.6	OK	
12.000		S5040 4.3	OK	
7.010		S5041 55.8	OK	
7.011		S5042 57.6	OK	
7.012		S5047 60.9	OK	
7.013		S8167 60.9	OK	
7.014	S5048 - Headwall	60.7	OK	
1.018	S5049 - Headwall	143.7	OK	
1.019	S5050 Control Chamber	10.3	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 172
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 240 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 2.7	OK
2.000		S8133 2.1	OK
1.001		S8134 7.3	OK
1.002		S8141 10.3	OK
1.003		S8139 11.0	OK
1.004		S8140 15.2	OK
1.005		S4008 18.0	OK
1.006		S4011 18.6	OK
1.007		S4012 22.0	OK
3.000		S8157 2.0	OK
3.001		S8159 4.5	OK
3.002		S8154 8.7	OK
3.003		S8155 11.4	OK
1.008		S5015 36.7	OK
1.009		S5016 36.7	OK
1.010	S5017 - PH4 Connection	40.0	OK
4.000		S5018 1.8	OK
1.011		S5019 42.5	OK
1.012	S5020 PH5 Connection	43.9	OK
1.013		S5021 46.3	OK
5.000		S5023 5.0	OK

JS Bloor (Wilmslow) Ltd		Page 173
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 240 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	57 93.765	-0.395	0.000	0.04	
6.000		S5026	56 94.318	-0.274	0.000	0.02	
6.001		S5027	57 93.807	-0.328	0.000	0.04	
5.002		S5028	60 93.611	-0.405	0.000	0.08	
1.014		S5029	60 93.577	-0.393	0.000	0.24	
1.015		S5030	60 93.537	-0.390	0.000	0.25	
1.016		S8121	60 93.497	-0.390	0.000	0.28	
1.017	S5036 - Headwall	60 93.482	-0.843	0.000	0.06		
7.000		S8135	57 96.231	-0.385	0.000	0.04	
7.001		S8136	56 96.182	-0.360	0.000	0.07	
7.002		S8137	56 96.126	-0.348	0.000	0.10	
7.003		S8161	57 96.067	-0.347	0.000	0.11	
8.000		S8151	56 96.207	-0.250	0.000	0.07	
7.004		S8162	56 95.990	-0.350	0.000	0.11	
7.005		S8152	56 95.785	-0.415	0.000	0.10	
9.000		S8144	56 96.274	-0.276	0.000	0.02	
9.001		S8145	56 96.029	-0.346	0.000	0.02	
7.006		S8146	56 95.668	-0.422	0.000	0.09	
10.000		S8165	56 95.556	-0.439	0.000	0.01	
10.001		S8164	56 95.455	-0.456	0.000	0.01	
7.007		S8147	56 95.452	-0.428	0.000	0.08	
7.008		S8150	57 95.141	-0.404	0.000	0.12	
7.009		S8149	57 95.002	-0.363	0.000	0.21	
11.000		S5037	56 95.178	-0.201	0.000	0.02	
11.001		S5038	56 94.969	-0.265	0.000	0.03	
11.002		S5039	56 94.904	-0.252	0.000	0.03	
12.000		S5040	56 95.203	-0.180	0.000	0.09	
7.010		S5041	57 94.883	-0.420	0.000	0.09	
7.011		S5042	57 94.429	-0.426	0.000	0.08	
7.012		S5047	60 93.635	-0.385	0.000	0.16	
7.013		S8167	60 93.502	-0.354	0.000	0.18	
7.014	S5048 - Headwall	60 93.486	-0.389	0.000	0.20		
1.018	S5049 - Headwall	60 93.446	-0.504	0.000	0.24		
1.019	S5050 Control Chamber	56 93.361	-0.089	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	8.1	OK
6.000	S5026	2.0	OK
6.001	S5027	5.0	OK
5.002	S5028	14.4	OK
1.014	S5029	62.6	OK
1.015	S5030	63.0	OK
1.016	S8121	65.3	OK
1.017	S5036 - Headwall	69.1	OK*
7.000	S8135	5.2	OK

JS Bloor (Wilmslow) Ltd		Page 174
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 240 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	9.7	OK
7.002	S8137	13.9	OK
7.003	S8161	15.2	OK
8.000	S8151	3.9	OK
7.004	S8162	22.3	OK
7.005	S8152	24.9	OK
9.000	S8144	1.4	OK
9.001	S8145	3.4	OK
7.006	S8146	30.3	OK
10.000	S8165	0.8	OK
10.001	S8164	2.1	OK
7.007	S8147	34.6	OK
7.008	S8150	35.1	OK
7.009	S8149	39.3	OK
11.000	S5037	0.9	OK
11.001	S5038	2.0	OK
11.002	S5039	2.2	OK
12.000	S5040	3.5	OK
7.010	S5041	45.9	OK
7.011	S5042	47.4	OK
7.012	S5047	50.2	OK
7.013	S8167	50.1	OK
7.014	S5048 - Headwall	50.0	OK
1.018	S5049 - Headwall	118.9	OK
1.019	S5050 Control Chamber	10.4	OK

JS Bloor (Wilmslow) Ltd							Page 175																																																																																																																																																																																				
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																											
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																							
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																							
<u>Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5</u>																																																																																																																																																																																											
<u>Simulation Criteria</u>																																																																																																																																																																																											
Areal Reduction Factor 1.000				Additional Flow - % of Total Flow 0.000																																																																																																																																																																																							
Hot Start (mins) 0				MADD Factor * 10m³/ha Storage 0.000																																																																																																																																																																																							
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 3																																																																																																																																																																																											
Number of Online Controls 1 Number of Time/Area Diagrams 0																																																																																																																																																																																											
Number of Offline Controls 0 Number of Real Time Controls 0																																																																																																																																																																																											
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																											
Rainfall Model FSR				Ratio R 0.413																																																																																																																																																																																							
Region England and Wales Cv (Summer) 0.750																																																																																																																																																																																											
M5-60 (mm) 19.500				Cv (Winter) 0.840																																																																																																																																																																																							
Margin for Flood Risk Warning (mm) 300.0				DVD Status OFF																																																																																																																																																																																							
Analysis Timestep				Fine Inertia Status OFF																																																																																																																																																																																							
DTS 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)				1, 30, 100																																																																																																																																																																																							
Climate Change (%)				0, 0, 40																																																																																																																																																																																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water Surcharged</th><th>Flooded</th><th rowspan="2">Flow / Overflow Cap.</th><th rowspan="2">Half Drain Time (mins)</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>62 96.759</td><td>-0.356</td><td>0.000</td><td>0.01</td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>62 97.424</td><td>-0.286</td><td>0.000</td><td>0.01</td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>62 96.151</td><td>-0.399</td><td>0.000</td><td>0.03</td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>62 95.976</td><td>-0.469</td><td>0.000</td><td>0.03</td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>62 95.783</td><td>-0.472</td><td>0.000</td><td>0.02</td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>62 95.381</td><td>-0.464</td><td>0.000</td><td>0.03</td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>62 95.202</td><td>-0.424</td><td>0.000</td><td>0.08</td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>62 95.125</td><td>-0.464</td><td>0.000</td><td>0.03</td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>62 94.637</td><td>-0.448</td><td>0.000</td><td>0.05</td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>62 95.940</td><td>-0.365</td><td>0.000</td><td>0.01</td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>62 95.064</td><td>-0.416</td><td>0.000</td><td>0.02</td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>62 94.869</td><td>-0.471</td><td>0.000</td><td>0.02</td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>62 94.689</td><td>-0.476</td><td>0.000</td><td>0.02</td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>62 94.429</td><td>-0.416</td><td>0.000</td><td>0.10</td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>62 94.274</td><td>-0.431</td><td>0.000</td><td>0.07</td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>62 94.103</td><td>-0.372</td><td>0.000</td><td>0.14</td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>62 95.114</td><td>-0.290</td><td>0.000</td><td>0.01</td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>62 94.052</td><td>-0.353</td><td>0.000</td><td>0.20</td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>62 94.011</td><td>-0.429</td><td>0.000</td><td>0.18</td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>62 93.823</td><td>-0.507</td><td>0.000</td><td>0.06</td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>62 94.101</td><td>-0.419</td><td>0.000</td><td>0.01</td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water Surcharged		Flooded	Flow / Overflow Cap.	Half Drain Time (mins)	Level (m)	Depth (m)	Volume (m³)	1.000		S8142	62 96.759	-0.356	0.000	0.01		2.000		S8133	62 97.424	-0.286	0.000	0.01		1.001		S8134	62 96.151	-0.399	0.000	0.03		1.002		S8141	62 95.976	-0.469	0.000	0.03		1.003		S8139	62 95.783	-0.472	0.000	0.02		1.004		S8140	62 95.381	-0.464	0.000	0.03		1.005		S4008	62 95.202	-0.424	0.000	0.08		1.006		S4011	62 95.125	-0.464	0.000	0.03		1.007		S4012	62 94.637	-0.448	0.000	0.05		3.000		S8157	62 95.940	-0.365	0.000	0.01		3.001		S8159	62 95.064	-0.416	0.000	0.02		3.002		S8154	62 94.869	-0.471	0.000	0.02		3.003		S8155	62 94.689	-0.476	0.000	0.02		1.008		S5015	62 94.429	-0.416	0.000	0.10		1.009		S5016	62 94.274	-0.431	0.000	0.07		1.010	S5017 - PH4 Connection	62 94.103	-0.372	0.000	0.14			4.000		S5018	62 95.114	-0.290	0.000	0.01		1.011		S5019	62 94.052	-0.353	0.000	0.20		1.012	S5020 PH5 Connection	62 94.011	-0.429	0.000	0.18			1.013		S5021	62 93.823	-0.507	0.000	0.06		5.000		S5023	62 94.101	-0.419	0.000	0.01	
PN	US/MH Name	Storm Rank	Water Surcharged		Flooded	Flow / Overflow Cap.	Half Drain Time (mins)																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)																																																																																																																																																																																						
1.000		S8142	62 96.759	-0.356	0.000	0.01																																																																																																																																																																																					
2.000		S8133	62 97.424	-0.286	0.000	0.01																																																																																																																																																																																					
1.001		S8134	62 96.151	-0.399	0.000	0.03																																																																																																																																																																																					
1.002		S8141	62 95.976	-0.469	0.000	0.03																																																																																																																																																																																					
1.003		S8139	62 95.783	-0.472	0.000	0.02																																																																																																																																																																																					
1.004		S8140	62 95.381	-0.464	0.000	0.03																																																																																																																																																																																					
1.005		S4008	62 95.202	-0.424	0.000	0.08																																																																																																																																																																																					
1.006		S4011	62 95.125	-0.464	0.000	0.03																																																																																																																																																																																					
1.007		S4012	62 94.637	-0.448	0.000	0.05																																																																																																																																																																																					
3.000		S8157	62 95.940	-0.365	0.000	0.01																																																																																																																																																																																					
3.001		S8159	62 95.064	-0.416	0.000	0.02																																																																																																																																																																																					
3.002		S8154	62 94.869	-0.471	0.000	0.02																																																																																																																																																																																					
3.003		S8155	62 94.689	-0.476	0.000	0.02																																																																																																																																																																																					
1.008		S5015	62 94.429	-0.416	0.000	0.10																																																																																																																																																																																					
1.009		S5016	62 94.274	-0.431	0.000	0.07																																																																																																																																																																																					
1.010	S5017 - PH4 Connection	62 94.103	-0.372	0.000	0.14																																																																																																																																																																																						
4.000		S5018	62 95.114	-0.290	0.000	0.01																																																																																																																																																																																					
1.011		S5019	62 94.052	-0.353	0.000	0.20																																																																																																																																																																																					
1.012	S5020 PH5 Connection	62 94.011	-0.429	0.000	0.18																																																																																																																																																																																						
1.013		S5021	62 93.823	-0.507	0.000	0.06																																																																																																																																																																																					
5.000		S5023	62 94.101	-0.419	0.000	0.01																																																																																																																																																																																					
©1982-2020 Innovyze																																																																																																																																																																																											

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000	S8142	2.0	OK
2.000	S8133	1.6	OK
1.001	S8134	5.4	OK
1.002	S8141	7.7	OK
1.003	S8139	8.2	OK
1.004	S8140	11.3	OK
1.005	S4008	13.5	OK
1.006	S4011	13.9	OK
1.007	S4012	16.5	OK
3.000	S8157	1.5	OK
3.001	S8159	3.4	OK
3.002	S8154	6.5	OK
3.003	S8155	8.5	OK
1.008	S5015	27.5	OK
1.009	S5016	27.5	OK
1.010	S5017 - PH4 Connection	29.9	OK
4.000	S5018	1.4	OK
1.011	S5019	31.8	OK
1.012	S5020 PH5 Connection	32.8	OK
1.013	S5021	34.6	OK
5.000	S5023	3.8	OK

JS Bloor (Wilmslow) Ltd		Page 177
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	62 93.759	-0.401	0.000	0.03		
6.000		S5026	62 94.311	-0.280	0.000	0.01		
6.001		S5027	62 93.802	-0.333	0.000	0.03		
5.002		S5028	63 93.586	-0.430	0.000	0.06		
1.014		S5029	63 93.537	-0.433	0.000	0.18		
1.015		S5030	63 93.499	-0.429	0.000	0.19		
1.016		S8121	63 93.461	-0.426	0.000	0.21		
1.017	S5036 - Headwall	63 93.447	-0.878	0.000	0.05			
7.000		S8135	62 96.221	-0.394	0.000	0.03		
7.001		S8136	62 96.168	-0.374	0.000	0.05		
7.002		S8137	62 96.114	-0.360	0.000	0.08		
7.003		S8161	62 96.055	-0.359	0.000	0.08		
8.000		S8151	62 96.199	-0.258	0.000	0.05		
7.004		S8162	62 95.977	-0.362	0.000	0.09		
7.005		S8152	62 95.769	-0.431	0.000	0.07		
9.000		S8144	62 96.268	-0.282	0.000	0.01		
9.001		S8145	62 96.022	-0.353	0.000	0.01		
7.006		S8146	62 95.652	-0.438	0.000	0.06		
10.000		S8165	62 95.553	-0.442	0.000	0.00		
10.001		S8164	62 95.441	-0.470	0.000	0.01		
7.007		S8147	62 95.437	-0.443	0.000	0.06		
7.008		S8150	62 95.126	-0.419	0.000	0.09		
7.009		S8149	62 94.979	-0.387	0.000	0.16		
11.000		S5037	62 95.174	-0.206	0.000	0.02		
11.001		S5038	62 94.965	-0.268	0.000	0.02		
11.002		S5039	62 94.894	-0.262	0.000	0.03		
12.000		S5040	62 95.196	-0.187	0.000	0.07		
7.010		S5041	62 94.866	-0.437	0.000	0.07		
7.011		S5042	62 94.413	-0.442	0.000	0.06		
7.012		S5047	63 93.616	-0.404	0.000	0.12		
7.013		S8167	63 93.468	-0.387	0.000	0.14		
7.014	S5048 - Headwall	63 93.449	-0.426	0.000	0.15			
1.018	S5049 - Headwall	63 93.412	-0.538	0.000	0.18			
1.019	S5050 Control Chamber	53 93.374	-0.076	0.000	0.11			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	6.1	OK
6.000		S5026	1.5	OK
6.001		S5027	3.7	OK
5.002		S5028	10.8	OK
1.014		S5029	46.8	OK
1.015		S5030	47.3	OK
1.016		S8121	49.2	OK
1.017	S5036 - Headwall	51.9		OK*
7.000		S8135	3.9	OK

JS Bloor (Wilmslow) Ltd			Page 178	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 7.3	OK	
7.002		S8137 10.5	OK	
7.003		S8161 11.4	OK	
8.000		S8151 2.9	OK	
7.004		S8162 16.8	OK	
7.005		S8152 18.7	OK	
9.000		S8144 1.0	OK	
9.001		S8145 2.5	OK	
7.006		S8146 22.8	OK	
10.000		S8165 0.6	OK	
10.001		S8164 1.6	OK	
7.007		S8147 26.0	OK	
7.008		S8150 26.3	OK	
7.009		S8149 29.4	OK	
11.000		S5037 0.7	OK	
11.001		S5038 1.5	OK	
11.002		S5039 1.6	OK	
12.000		S5040 2.6	OK	
7.010		S5041 34.4	OK	
7.011		S5042 35.5	OK	
7.012		S5047 37.6	OK	
7.013		S8167 37.6	OK	
7.014	S5048 - Headwall	37.6	OK	
1.018	S5049 - Headwall	89.2	OK	
1.019	S5050 Control Chamber	10.6	OK	
©1982-2020 Innovyze				

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 480 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 1.6	OK
2.000		S8133 1.3	OK
1.001		S8134 4.4	OK
1.002		S8141 6.2	OK
1.003		S8139 6.7	OK
1.004		S8140 9.2	OK
1.005		S4008 10.9	OK
1.006		S4011 11.3	OK
1.007		S4012 13.3	OK
3.000		S8157 1.2	OK
3.001		S8159 2.7	OK
3.002		S8154 5.2	OK
3.003		S8155 6.9	OK
1.008		S5015 22.3	OK
1.009		S5016 22.3	OK
1.010	S5017 - PH4 Connection	24.2	OK
4.000		S5018 1.1	OK
1.011		S5019 25.8	OK
1.012	S5020 PH5 Connection	26.6	OK
1.013		S5021 28.0	OK
5.000		S5023 3.0	OK

JS Bloor (Wilmslow) Ltd		Page 181
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Summary Wizard of 480 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	64 93.756	-0.404	0.000	0.02	
6.000		S5026	64 94.308	-0.284	0.000	0.01	
6.001		S5027	64 93.798	-0.337	0.000	0.02	
5.002		S5028	65 93.571	-0.445	0.000	0.05	
1.014		S5029	65 93.513	-0.457	0.000	0.14	
1.015		S5030	65 93.474	-0.453	0.000	0.15	
1.016		S8121	65 93.438	-0.449	0.000	0.17	
1.017	S5036 - Headwall	65 93.425	-0.900	0.000	0.04		
7.000		S8135	64 96.216	-0.400	0.000	0.02	
7.001		S8136	64 96.159	-0.384	0.000	0.04	
7.002		S8137	64 96.102	-0.371	0.000	0.06	
7.003		S8161	64 96.044	-0.370	0.000	0.07	
8.000		S8151	64 96.195	-0.262	0.000	0.04	
7.004		S8162	64 95.966	-0.373	0.000	0.07	
7.005		S8152	64 95.758	-0.442	0.000	0.06	
9.000		S8144	64 96.265	-0.285	0.000	0.01	
9.001		S8145	64 96.018	-0.357	0.000	0.01	
7.006		S8146	64 95.642	-0.448	0.000	0.05	
10.000		S8165	64 95.551	-0.444	0.000	0.00	
10.001		S8164	64 95.433	-0.478	0.000	0.01	
7.007		S8147	64 95.428	-0.452	0.000	0.05	
7.008		S8150	64 95.113	-0.432	0.000	0.07	
7.009		S8149	64 94.964	-0.401	0.000	0.13	
11.000		S5037	64 95.170	-0.209	0.000	0.01	
11.001		S5038	64 94.962	-0.272	0.000	0.02	
11.002		S5039	64 94.889	-0.266	0.000	0.02	
12.000		S5040	64 95.191	-0.191	0.000	0.05	
7.010		S5041	64 94.857	-0.446	0.000	0.05	
7.011		S5042	64 94.404	-0.451	0.000	0.05	
7.012		S5047	65 93.605	-0.415	0.000	0.10	
7.013		S8167	65 93.448	-0.407	0.000	0.11	
7.014	S5048 - Headwall	65 93.425	-0.450	0.000	0.12		
1.018	S5049 - Headwall	65 93.388	-0.562	0.000	0.14		
1.019	S5050 Control Chamber	52 93.379	-0.071	0.000	0.11		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	4.9	OK
6.000	S5026	1.2	OK
6.001	S5027	3.0	OK
5.002	S5028	8.7	OK
1.014	S5029	37.9	OK
1.015	S5030	38.2	OK
1.016	S8121	39.8	OK
1.017	S5036 - Headwall	42.1	OK*
7.000	S8135	3.2	OK

JS Bloor (Wilmslow) Ltd		Page 182		
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by
Elstree Computing Ltd				Network 2020.1.3
<u>Summary Wizard of 480 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 5.9	OK	
7.002		S8137 8.5	OK	
7.003		S8161 9.3	OK	
8.000		S8151 2.4	OK	
7.004		S8162 13.6	OK	
7.005		S8152 15.2	OK	
9.000		S8144 0.8	OK	
9.001		S8145 2.1	OK	
7.006		S8146 18.5	OK	
10.000		S8165 0.5	OK	
10.001		S8164 1.3	OK	
7.007		S8147 21.1	OK	
7.008		S8150 21.3	OK	
7.009		S8149 23.8	OK	
11.000		S5037 0.5	OK	
11.001		S5038 1.2	OK	
11.002		S5039 1.3	OK	
12.000		S5040 2.1	OK	
7.010		S5041 27.9	OK	
7.011		S5042 28.8	OK	
7.012		S5047 30.5	OK	
7.013		S8167 30.4	OK	
7.014	S5048 - Headwall	30.5	OK	
1.018	S5049 - Headwall	72.6	OK	
1.019	S5050 Control Chamber	10.7	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 184
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 600 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 1.4	OK
2.000		S8133 1.1	OK
1.001		S8134 3.7	OK
1.002		S8141 5.3	OK
1.003		S8139 5.6	OK
1.004		S8140 7.8	OK
1.005		S4008 9.3	OK
1.006		S4011 9.6	OK
1.007		S4012 11.3	OK
3.000		S8157 1.0	OK
3.001		S8159 2.3	OK
3.002		S8154 4.4	OK
3.003		S8155 5.9	OK
1.008		S5015 18.9	OK
1.009		S5016 18.9	OK
1.010	S5017 - PH4 Connection	20.6	OK
4.000		S5018 0.9	OK
1.011		S5019 21.9	OK
1.012	S5020 PH5 Connection	22.5	OK
1.013		S5021 23.7	OK
5.000		S5023 2.6	OK

JS Bloor (Wilmslow) Ltd							Page 185																																																																																																																																																																																																																																																																																																																																					
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																																																																																												
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																																																																																																								
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																																																																																																								
<u>Summary Wizard of 600 minute 1 year Winter I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																																																																																												
<table><tr><th></th><th></th><th></th><th>Water</th><th>Surcharged</th><th>Flooded</th><th></th><th></th><th>Half Drain</th></tr><tr><th>PN</th><th>US/MH Name</th><th>Storm Rank</th><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>5.001</td><td></td><td>S5025</td><td>67 93.750</td><td>-0.410</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>6.000</td><td></td><td>S5026</td><td>67 94.305</td><td>-0.287</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>6.001</td><td></td><td>S5027</td><td>67 93.794</td><td>-0.341</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>5.002</td><td></td><td>S5028</td><td>67 93.562</td><td>-0.454</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>1.014</td><td></td><td>S5029</td><td>67 93.495</td><td>-0.475</td><td>0.000</td><td>0.12</td><td></td><td></td></tr><tr><td>1.015</td><td></td><td>S5030</td><td>67 93.457</td><td>-0.470</td><td>0.000</td><td>0.13</td><td></td><td></td></tr><tr><td>1.016</td><td></td><td>S8121</td><td>67 93.420</td><td>-0.467</td><td>0.000</td><td>0.15</td><td></td><td></td></tr><tr><td>1.017</td><td>S5036 - Headwall</td><td>67 93.407</td><td>-0.918</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>7.000</td><td></td><td>S8135</td><td>67 96.212</td><td>-0.403</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>7.001</td><td></td><td>S8136</td><td>67 96.153</td><td>-0.389</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>7.002</td><td></td><td>S8137</td><td>67 96.095</td><td>-0.379</td><td>0.000</td><td>0.05</td><td></td><td></td></tr><tr><td>7.003</td><td></td><td>S8161</td><td>67 96.036</td><td>-0.378</td><td>0.000</td><td>0.06</td><td></td><td></td></tr><tr><td>8.000</td><td></td><td>S8151</td><td>67 96.192</td><td>-0.265</td><td>0.000</td><td>0.03</td><td></td><td></td></tr><tr><td>7.004</td><td></td><td>S8162</td><td>67 95.959</td><td>-0.380</td><td>0.000</td><td>0.06</td><td></td><td></td></tr><tr><td>7.005</td><td></td><td>S8152</td><td>67 95.750</td><td>-0.450</td><td>0.000</td><td>0.05</td><td></td><td></td></tr><tr><td>9.000</td><td></td><td>S8144</td><td>67 96.262</td><td>-0.288</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>9.001</td><td></td><td>S8145</td><td>67 96.015</td><td>-0.360</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>7.006</td><td></td><td>S8146</td><td>67 95.636</td><td>-0.454</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>10.000</td><td></td><td>S8165</td><td>67 95.550</td><td>-0.445</td><td>0.000</td><td>0.00</td><td></td><td></td></tr><tr><td>10.001</td><td></td><td>S8164</td><td>67 95.427</td><td>-0.484</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>7.007</td><td></td><td>S8147</td><td>67 95.422</td><td>-0.458</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>7.008</td><td></td><td>S8150</td><td>67 95.105</td><td>-0.440</td><td>0.000</td><td>0.06</td><td></td><td></td></tr><tr><td>7.009</td><td></td><td>S8149</td><td>67 94.955</td><td>-0.410</td><td>0.000</td><td>0.11</td><td></td><td></td></tr><tr><td>11.000</td><td></td><td>S5037</td><td>67 95.168</td><td>-0.212</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>11.001</td><td></td><td>S5038</td><td>67 94.957</td><td>-0.276</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>11.002</td><td></td><td>S5039</td><td>67 94.887</td><td>-0.269</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>12.000</td><td></td><td>S5040</td><td>67 95.189</td><td>-0.194</td><td>0.000</td><td>0.05</td><td></td><td></td></tr><tr><td>7.010</td><td></td><td>S5041</td><td>67 94.850</td><td>-0.453</td><td>0.000</td><td>0.05</td><td></td><td></td></tr><tr><td>7.011</td><td></td><td>S5042</td><td>67 94.399</td><td>-0.456</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>7.012</td><td></td><td>S5047</td><td>67 93.596</td><td>-0.424</td><td>0.000</td><td>0.08</td><td></td><td></td></tr><tr><td>7.013</td><td></td><td>S8167</td><td>67 93.438</td><td>-0.418</td><td>0.000</td><td>0.09</td><td></td><td></td></tr><tr><td>7.014</td><td>S5048 - Headwall</td><td>67 93.409</td><td>-0.466</td><td>0.000</td><td>0.10</td><td></td><td></td><td></td></tr><tr><td>1.018</td><td>S5049 - Headwall</td><td>70 93.382</td><td>-0.568</td><td>0.000</td><td>0.12</td><td></td><td></td><td></td></tr><tr><td>1.019</td><td>S5050 Control Chamber</td><td>51 93.381</td><td>-0.069</td><td>0.000</td><td>0.11</td><td></td><td></td><td></td></tr></table>												Water	Surcharged	Flooded			Half Drain	PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	5.001		S5025	67 93.750	-0.410	0.000	0.02			6.000		S5026	67 94.305	-0.287	0.000	0.01			6.001		S5027	67 93.794	-0.341	0.000	0.02			5.002		S5028	67 93.562	-0.454	0.000	0.04			1.014		S5029	67 93.495	-0.475	0.000	0.12			1.015		S5030	67 93.457	-0.470	0.000	0.13			1.016		S8121	67 93.420	-0.467	0.000	0.15			1.017	S5036 - Headwall	67 93.407	-0.918	0.000	0.03				7.000		S8135	67 96.212	-0.403	0.000	0.02			7.001		S8136	67 96.153	-0.389	0.000	0.04			7.002		S8137	67 96.095	-0.379	0.000	0.05			7.003		S8161	67 96.036	-0.378	0.000	0.06			8.000		S8151	67 96.192	-0.265	0.000	0.03			7.004		S8162	67 95.959	-0.380	0.000	0.06			7.005		S8152	67 95.750	-0.450	0.000	0.05			9.000		S8144	67 96.262	-0.288	0.000	0.01			9.001		S8145	67 96.015	-0.360	0.000	0.01			7.006		S8146	67 95.636	-0.454	0.000	0.04			10.000		S8165	67 95.550	-0.445	0.000	0.00			10.001		S8164	67 95.427	-0.484	0.000	0.01			7.007		S8147	67 95.422	-0.458	0.000	0.04			7.008		S8150	67 95.105	-0.440	0.000	0.06			7.009		S8149	67 94.955	-0.410	0.000	0.11			11.000		S5037	67 95.168	-0.212	0.000	0.01			11.001		S5038	67 94.957	-0.276	0.000	0.02			11.002		S5039	67 94.887	-0.269	0.000	0.02			12.000		S5040	67 95.189	-0.194	0.000	0.05			7.010		S5041	67 94.850	-0.453	0.000	0.05			7.011		S5042	67 94.399	-0.456	0.000	0.04			7.012		S5047	67 93.596	-0.424	0.000	0.08			7.013		S8167	67 93.438	-0.418	0.000	0.09			7.014	S5048 - Headwall	67 93.409	-0.466	0.000	0.10				1.018	S5049 - Headwall	70 93.382	-0.568	0.000	0.12				1.019	S5050 Control Chamber	51 93.381	-0.069	0.000	0.11			
			Water	Surcharged	Flooded			Half Drain																																																																																																																																																																																																																																																																																																																																				
PN	US/MH Name	Storm Rank	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																																																																																																				
5.001		S5025	67 93.750	-0.410	0.000	0.02																																																																																																																																																																																																																																																																																																																																						
6.000		S5026	67 94.305	-0.287	0.000	0.01																																																																																																																																																																																																																																																																																																																																						
6.001		S5027	67 93.794	-0.341	0.000	0.02																																																																																																																																																																																																																																																																																																																																						
5.002		S5028	67 93.562	-0.454	0.000	0.04																																																																																																																																																																																																																																																																																																																																						
1.014		S5029	67 93.495	-0.475	0.000	0.12																																																																																																																																																																																																																																																																																																																																						
1.015		S5030	67 93.457	-0.470	0.000	0.13																																																																																																																																																																																																																																																																																																																																						
1.016		S8121	67 93.420	-0.467	0.000	0.15																																																																																																																																																																																																																																																																																																																																						
1.017	S5036 - Headwall	67 93.407	-0.918	0.000	0.03																																																																																																																																																																																																																																																																																																																																							
7.000		S8135	67 96.212	-0.403	0.000	0.02																																																																																																																																																																																																																																																																																																																																						
7.001		S8136	67 96.153	-0.389	0.000	0.04																																																																																																																																																																																																																																																																																																																																						
7.002		S8137	67 96.095	-0.379	0.000	0.05																																																																																																																																																																																																																																																																																																																																						
7.003		S8161	67 96.036	-0.378	0.000	0.06																																																																																																																																																																																																																																																																																																																																						
8.000		S8151	67 96.192	-0.265	0.000	0.03																																																																																																																																																																																																																																																																																																																																						
7.004		S8162	67 95.959	-0.380	0.000	0.06																																																																																																																																																																																																																																																																																																																																						
7.005		S8152	67 95.750	-0.450	0.000	0.05																																																																																																																																																																																																																																																																																																																																						
9.000		S8144	67 96.262	-0.288	0.000	0.01																																																																																																																																																																																																																																																																																																																																						
9.001		S8145	67 96.015	-0.360	0.000	0.01																																																																																																																																																																																																																																																																																																																																						
7.006		S8146	67 95.636	-0.454	0.000	0.04																																																																																																																																																																																																																																																																																																																																						
10.000		S8165	67 95.550	-0.445	0.000	0.00																																																																																																																																																																																																																																																																																																																																						
10.001		S8164	67 95.427	-0.484	0.000	0.01																																																																																																																																																																																																																																																																																																																																						
7.007		S8147	67 95.422	-0.458	0.000	0.04																																																																																																																																																																																																																																																																																																																																						
7.008		S8150	67 95.105	-0.440	0.000	0.06																																																																																																																																																																																																																																																																																																																																						
7.009		S8149	67 94.955	-0.410	0.000	0.11																																																																																																																																																																																																																																																																																																																																						
11.000		S5037	67 95.168	-0.212	0.000	0.01																																																																																																																																																																																																																																																																																																																																						
11.001		S5038	67 94.957	-0.276	0.000	0.02																																																																																																																																																																																																																																																																																																																																						
11.002		S5039	67 94.887	-0.269	0.000	0.02																																																																																																																																																																																																																																																																																																																																						
12.000		S5040	67 95.189	-0.194	0.000	0.05																																																																																																																																																																																																																																																																																																																																						
7.010		S5041	67 94.850	-0.453	0.000	0.05																																																																																																																																																																																																																																																																																																																																						
7.011		S5042	67 94.399	-0.456	0.000	0.04																																																																																																																																																																																																																																																																																																																																						
7.012		S5047	67 93.596	-0.424	0.000	0.08																																																																																																																																																																																																																																																																																																																																						
7.013		S8167	67 93.438	-0.418	0.000	0.09																																																																																																																																																																																																																																																																																																																																						
7.014	S5048 - Headwall	67 93.409	-0.466	0.000	0.10																																																																																																																																																																																																																																																																																																																																							
1.018	S5049 - Headwall	70 93.382	-0.568	0.000	0.12																																																																																																																																																																																																																																																																																																																																							
1.019	S5050 Control Chamber	51 93.381	-0.069	0.000	0.11																																																																																																																																																																																																																																																																																																																																							
<table><tr><th></th><th></th><th></th><th>Pipe Flow</th><th>Status</th></tr><tr><th>PN</th><th>US/MH Name</th><th></th><th>(l/s)</th><th></th></tr><tr><td>5.001</td><td></td><td>S5025</td><td>4.2</td><td>OK</td></tr><tr><td>6.000</td><td></td><td>S5026</td><td>1.0</td><td>OK</td></tr><tr><td>6.001</td><td></td><td>S5027</td><td>2.5</td><td>OK</td></tr><tr><td>5.002</td><td></td><td>S5028</td><td>7.4</td><td>OK</td></tr><tr><td>1.014</td><td></td><td>S5029</td><td>32.2</td><td>OK</td></tr><tr><td>1.015</td><td></td><td>S5030</td><td>32.5</td><td>OK</td></tr><tr><td>1.016</td><td></td><td>S8121</td><td>33.8</td><td>OK</td></tr><tr><td>1.017</td><td>S5036 - Headwall</td><td></td><td>35.8</td><td>OK*</td></tr><tr><td>7.000</td><td></td><td>S8135</td><td>2.7</td><td>OK</td></tr></table>												Pipe Flow	Status	PN	US/MH Name		(l/s)		5.001		S5025	4.2	OK	6.000		S5026	1.0	OK	6.001		S5027	2.5	OK	5.002		S5028	7.4	OK	1.014		S5029	32.2	OK	1.015		S5030	32.5	OK	1.016		S8121	33.8	OK	1.017	S5036 - Headwall		35.8	OK*	7.000		S8135	2.7	OK																																																																																																																																																																																																																																																																													
			Pipe Flow	Status																																																																																																																																																																																																																																																																																																																																								
PN	US/MH Name		(l/s)																																																																																																																																																																																																																																																																																																																																									
5.001		S5025	4.2	OK																																																																																																																																																																																																																																																																																																																																								
6.000		S5026	1.0	OK																																																																																																																																																																																																																																																																																																																																								
6.001		S5027	2.5	OK																																																																																																																																																																																																																																																																																																																																								
5.002		S5028	7.4	OK																																																																																																																																																																																																																																																																																																																																								
1.014		S5029	32.2	OK																																																																																																																																																																																																																																																																																																																																								
1.015		S5030	32.5	OK																																																																																																																																																																																																																																																																																																																																								
1.016		S8121	33.8	OK																																																																																																																																																																																																																																																																																																																																								
1.017	S5036 - Headwall		35.8	OK*																																																																																																																																																																																																																																																																																																																																								
7.000		S8135	2.7	OK																																																																																																																																																																																																																																																																																																																																								
©1982-2020 Innovyze																																																																																																																																																																																																																																																																																																																																												

JS Bloor (Wilmslow) Ltd		Page 186
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 600 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	5.0	OK
7.002	S8137	7.2	OK
7.003	S8161	7.9	OK
8.000	S8151	2.0	OK
7.004	S8162	11.6	OK
7.005	S8152	12.9	OK
9.000	S8144	0.7	OK
9.001	S8145	1.7	OK
7.006	S8146	15.7	OK
10.000	S8165	0.4	OK
10.001	S8164	1.1	OK
7.007	S8147	17.9	OK
7.008	S8150	18.1	OK
7.009	S8149	20.2	OK
11.000	S5037	0.5	OK
11.001	S5038	1.0	OK
11.002	S5039	1.1	OK
12.000	S5040	1.8	OK
7.010	S5041	23.7	OK
7.011	S5042	24.4	OK
7.012	S5047	25.9	OK
7.013	S8167	25.8	OK
7.014	S5048 - Headwall	25.9	OK
1.018	S5049 - Headwall	61.7	OK
1.019	S5050 Control Chamber	10.7	OK

JS Bloor (Wilmslow) Ltd		Page 188
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 720 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 1.2	OK
2.000		S8133 0.9	OK
1.001		S8134 3.3	OK
1.002		S8141 4.6	OK
1.003		S8139 4.9	OK
1.004		S8140 6.8	OK
1.005		S4008 8.1	OK
1.006		S4011 8.3	OK
1.007		S4012 9.8	OK
3.000		S8157 0.9	OK
3.001		S8159 2.0	OK
3.002		S8154 3.9	OK
3.003		S8155 5.1	OK
1.008		S5015 16.5	OK
1.009		S5016 16.4	OK
1.010	S5017 - PH4 Connection	17.9	OK
4.000		S5018 0.8	OK
1.011		S5019 19.0	OK
1.012	S5020 PH5 Connection	19.6	OK
1.013		S5021 20.7	OK
5.000		S5023 2.3	OK

JS Bloor (Wilmslow) Ltd		Page 189
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 720 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	69 93.745	-0.415	0.000	0.02		
6.000		S5026	69 94.304	-0.288	0.000	0.01		
6.001		S5027	69 93.790	-0.345	0.000	0.02		
5.002		S5028	69 93.557	-0.459	0.000	0.04		
1.014		S5029	69 93.480	-0.490	0.000	0.11		
1.015		S5030	69 93.442	-0.485	0.000	0.11		
1.016		S8121	69 93.406	-0.481	0.000	0.13		
1.017	S5036 - Headwall	69 93.394	-0.931	0.000	0.03			
7.000		S8135	69 96.210	-0.406	0.000	0.02		
7.001		S8136	69 96.149	-0.393	0.000	0.03		
7.002		S8137	69 96.090	-0.384	0.000	0.05		
7.003		S8161	69 96.031	-0.383	0.000	0.05		
8.000		S8151	69 96.191	-0.266	0.000	0.03		
7.004		S8162	69 95.954	-0.385	0.000	0.05		
7.005		S8152	69 95.745	-0.455	0.000	0.04		
9.000		S8144	69 96.261	-0.289	0.000	0.01		
9.001		S8145	69 96.013	-0.362	0.000	0.01		
7.006		S8146	69 95.631	-0.459	0.000	0.04		
10.000		S8165	69 95.550	-0.445	0.000	0.00		
10.001		S8164	69 95.423	-0.488	0.000	0.01		
7.007		S8147	69 95.418	-0.462	0.000	0.03		
7.008		S8150	69 95.098	-0.447	0.000	0.05		
7.009		S8149	69 94.948	-0.417	0.000	0.09		
11.000		S5037	69 95.166	-0.213	0.000	0.01		
11.001		S5038	69 94.954	-0.279	0.000	0.01		
11.002		S5039	69 94.884	-0.272	0.000	0.02		
12.000		S5040	69 95.187	-0.196	0.000	0.04		
7.010		S5041	69 94.845	-0.458	0.000	0.04		
7.011		S5042	69 94.394	-0.461	0.000	0.04		
7.012		S5047	69 93.587	-0.433	0.000	0.07		
7.013		S8167	69 93.430	-0.426	0.000	0.08		
7.014	S5048 - Headwall	69 93.396	-0.479	0.000	0.09			
1.018	S5049 - Headwall	68 93.386	-0.564	0.000	0.11			
1.019	S5050 Control Chamber	48 93.385	-0.065	0.000	0.12			

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	3.6	OK
6.000	S5026	0.9	OK
6.001	S5027	2.2	OK
5.002	S5028	6.5	OK
1.014	S5029	28.0	OK
1.015	S5030	28.3	OK
1.016	S8121	29.4	OK
1.017	S5036 - Headwall	31.0	OK*
7.000	S8135	2.3	OK

JS Bloor (Wilmslow) Ltd		Page 190	
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by		
Elstree Computing Ltd Network 2020.1.3			
<u>Summary Wizard of 720 minute 1 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 4.4	OK
7.002		S8137 6.3	OK
7.003		S8161 6.8	OK
8.000		S8151 1.8	OK
7.004		S8162 10.1	OK
7.005		S8152 11.2	OK
9.000		S8144 0.6	OK
9.001		S8145 1.5	OK
7.006		S8146 13.6	OK
10.000		S8165 0.4	OK
10.001		S8164 0.9	OK
7.007		S8147 15.5	OK
7.008		S8150 15.7	OK
7.009		S8149 17.6	OK
11.000		S5037 0.4	OK
11.001		S5038 0.9	OK
11.002		S5039 1.0	OK
12.000		S5040 1.6	OK
7.010		S5041 20.6	OK
7.011		S5042 21.2	OK
7.012		S5047 22.5	OK
7.013		S8167 22.5	OK
7.014	S5048 - Headwall	22.5	OK
1.018	S5049 - Headwall	53.4	OK
1.019	S5050 Control Chamber	10.8	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 191																																																																																																																																																																																																																																		
Dean Court 85 Adlington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																					
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																					
<u>Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5</u>																																																																																																																																																																																																																																									
<u>Simulation Criteria</u>																																																																																																																																																																																																																																									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																																																																																																																																																																																																																																			
Hot Start Level (mm)		0		Inlet Coefficient		0.800																																																																																																																																																																																																																																			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000																																																																																																																																																																																																																																			
Foul Sewage per hectare (l/s)		0.000																																																																																																																																																																																																																																							
Number of Input Hydrographs				0		Number of Storage Structures		3																																																																																																																																																																																																																																	
Number of Online Controls				1		Number of Time/Area Diagrams		0																																																																																																																																																																																																																																	
Number of Offline Controls				0		Number of Real Time Controls		0																																																																																																																																																																																																																																	
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																									
Rainfall Model		FSR		Ratio R		0.413																																																																																																																																																																																																																																			
Region England and Wales		Cv (Summer)				0.750																																																																																																																																																																																																																																			
M5-60 (mm)		19.500		Cv (Winter)		0.840																																																																																																																																																																																																																																			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																																																																																																																																																																																																																																	
Analysis Timestep				Fine		Inertia Status		OFF																																																																																																																																																																																																																																	
DTS 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)		1, 30, 100																																																																																																																																																																																																																																							
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th rowspan="2">Half Drain Time (mins)</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>70</td><td>96.749</td><td>-0.366</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>70</td><td>97.417</td><td>-0.293</td><td>0.000</td><td>0.00</td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>70</td><td>96.131</td><td>-0.419</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>70</td><td>95.950</td><td>-0.495</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>70</td><td>95.756</td><td>-0.499</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>70</td><td>95.358</td><td>-0.487</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>70</td><td>95.168</td><td>-0.458</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>70</td><td>95.103</td><td>-0.486</td><td>0.000</td><td>0.02</td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>70</td><td>94.616</td><td>-0.469</td><td>0.000</td><td>0.03</td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>70</td><td>95.935</td><td>-0.370</td><td>0.000</td><td>0.00</td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>70</td><td>95.047</td><td>-0.433</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>70</td><td>94.842</td><td>-0.498</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>70</td><td>94.664</td><td>-0.501</td><td>0.000</td><td>0.01</td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>70</td><td>94.393</td><td>-0.452</td><td>0.000</td><td>0.05</td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>70</td><td>94.244</td><td>-0.461</td><td>0.000</td><td>0.04</td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>70</td><td>94.054</td><td>-0.421</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>70</td><td>95.109</td><td>-0.295</td><td>0.000</td><td>0.00</td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>70</td><td>93.998</td><td>-0.407</td><td>0.000</td><td>0.10</td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>71</td><td>93.958</td><td>-0.482</td><td>0.000</td><td>0.09</td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>71</td><td>93.796</td><td>-0.534</td><td>0.000</td><td>0.03</td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>70</td><td>94.085</td><td>-0.435</td><td>0.000</td><td>0.01</td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain Time (mins)	Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	1.000		S8142	70	96.749	-0.366	0.000	0.01			2.000		S8133	70	97.417	-0.293	0.000	0.00			1.001		S8134	70	96.131	-0.419	0.000	0.01			1.002		S8141	70	95.950	-0.495	0.000	0.01			1.003		S8139	70	95.756	-0.499	0.000	0.01			1.004		S8140	70	95.358	-0.487	0.000	0.02			1.005		S4008	70	95.168	-0.458	0.000	0.04			1.006		S4011	70	95.103	-0.486	0.000	0.02			1.007		S4012	70	94.616	-0.469	0.000	0.03			3.000		S8157	70	95.935	-0.370	0.000	0.00			3.001		S8159	70	95.047	-0.433	0.000	0.01			3.002		S8154	70	94.842	-0.498	0.000	0.01			3.003		S8155	70	94.664	-0.501	0.000	0.01			1.008		S5015	70	94.393	-0.452	0.000	0.05			1.009		S5016	70	94.244	-0.461	0.000	0.04			1.010	S5017 - PH4 Connection	70	94.054	-0.421	0.000	0.07				4.000		S5018	70	95.109	-0.295	0.000	0.00			1.011		S5019	70	93.998	-0.407	0.000	0.10			1.012	S5020 PH5 Connection	71	93.958	-0.482	0.000	0.09				1.013		S5021	71	93.796	-0.534	0.000	0.03			5.000		S5023	70	94.085	-0.435	0.000	0.01		
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain Time (mins)																																																																																																																																																																																																																													
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)																																																																																																																																																																																																																																		
1.000		S8142	70	96.749	-0.366	0.000	0.01																																																																																																																																																																																																																																		
2.000		S8133	70	97.417	-0.293	0.000	0.00																																																																																																																																																																																																																																		
1.001		S8134	70	96.131	-0.419	0.000	0.01																																																																																																																																																																																																																																		
1.002		S8141	70	95.950	-0.495	0.000	0.01																																																																																																																																																																																																																																		
1.003		S8139	70	95.756	-0.499	0.000	0.01																																																																																																																																																																																																																																		
1.004		S8140	70	95.358	-0.487	0.000	0.02																																																																																																																																																																																																																																		
1.005		S4008	70	95.168	-0.458	0.000	0.04																																																																																																																																																																																																																																		
1.006		S4011	70	95.103	-0.486	0.000	0.02																																																																																																																																																																																																																																		
1.007		S4012	70	94.616	-0.469	0.000	0.03																																																																																																																																																																																																																																		
3.000		S8157	70	95.935	-0.370	0.000	0.00																																																																																																																																																																																																																																		
3.001		S8159	70	95.047	-0.433	0.000	0.01																																																																																																																																																																																																																																		
3.002		S8154	70	94.842	-0.498	0.000	0.01																																																																																																																																																																																																																																		
3.003		S8155	70	94.664	-0.501	0.000	0.01																																																																																																																																																																																																																																		
1.008		S5015	70	94.393	-0.452	0.000	0.05																																																																																																																																																																																																																																		
1.009		S5016	70	94.244	-0.461	0.000	0.04																																																																																																																																																																																																																																		
1.010	S5017 - PH4 Connection	70	94.054	-0.421	0.000	0.07																																																																																																																																																																																																																																			
4.000		S5018	70	95.109	-0.295	0.000	0.00																																																																																																																																																																																																																																		
1.011		S5019	70	93.998	-0.407	0.000	0.10																																																																																																																																																																																																																																		
1.012	S5020 PH5 Connection	71	93.958	-0.482	0.000	0.09																																																																																																																																																																																																																																			
1.013		S5021	71	93.796	-0.534	0.000	0.03																																																																																																																																																																																																																																		
5.000		S5023	70	94.085	-0.435	0.000	0.01																																																																																																																																																																																																																																		
©1982-2020 Innovyze																																																																																																																																																																																																																																									

JS Bloor (Wilmslow) Ltd		Page 192
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000	S8142	1.0	OK
2.000	S8133	0.8	OK
1.001	S8134	2.6	OK
1.002	S8141	3.7	OK
1.003	S8139	4.0	OK
1.004	S8140	5.5	OK
1.005	S4008	6.5	OK
1.006	S4011	6.7	OK
1.007	S4012	8.0	OK
3.000	S8157	0.7	OK
3.001	S8159	1.6	OK
3.002	S8154	3.1	OK
3.003	S8155	4.1	OK
1.008	S5015	13.3	OK
1.009	S5016	13.3	OK
1.010	S5017 - PH4 Connection	14.4	OK
4.000	S5018	0.7	OK
1.011	S5019	15.4	OK
1.012	S5020 PH5 Connection	15.9	OK
1.013	S5021	16.7	OK
5.000	S5023	1.8	OK

JS Bloor (Wilmslow) Ltd		Page 193
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	70 93.738	-0.422	0.000	0.01		
6.000		S5026	70 94.301	-0.291	0.000	0.01		
6.001		S5027	70 93.784	-0.351	0.000	0.01		
5.002		S5028	70 93.551	-0.465	0.000	0.03		
1.014		S5029	71 93.460	-0.510	0.000	0.09		
1.015		S5030	71 93.423	-0.505	0.000	0.09		
1.016		S8121	70 93.390	-0.497	0.000	0.10		
1.017	S5036 - Headwall	70	93.389	-0.936	0.000	0.02		
7.000		S8135	70 96.202	-0.413	0.000	0.01		
7.001		S8136	70 96.144	-0.399	0.000	0.03		
7.002		S8137	70 96.083	-0.391	0.000	0.04		
7.003		S8161	70 96.024	-0.390	0.000	0.04		
8.000		S8151	70 96.188	-0.269	0.000	0.02		
7.004		S8162	70 95.948	-0.392	0.000	0.04		
7.005		S8152	70 95.739	-0.461	0.000	0.04		
9.000		S8144	70 96.259	-0.291	0.000	0.01		
9.001		S8145	70 96.011	-0.364	0.000	0.01		
7.006		S8146	70 95.626	-0.464	0.000	0.03		
10.000		S8165	70 95.549	-0.446	0.000	0.00		
10.001		S8164	70 95.417	-0.494	0.000	0.00		
7.007		S8147	70 95.413	-0.467	0.000	0.03		
7.008		S8150	70 95.090	-0.455	0.000	0.04		
7.009		S8149	70 94.936	-0.430	0.000	0.08		
11.000		S5037	70 95.164	-0.216	0.000	0.01		
11.001		S5038	70 94.950	-0.283	0.000	0.01		
11.002		S5039	70 94.878	-0.277	0.000	0.01		
12.000		S5040	70 95.184	-0.199	0.000	0.03		
7.010		S5041	70 94.839	-0.464	0.000	0.03		
7.011		S5042	70 94.389	-0.466	0.000	0.03		
7.012		S5047	71 93.577	-0.443	0.000	0.06		
7.013		S8167	71 93.418	-0.438	0.000	0.07		
7.014	S5048 - Headwall	70	93.390	-0.485	0.000	0.07		
1.018	S5049 - Headwall	66	93.388	-0.562	0.000	0.09		
1.019	S5050 Control Chamber	47	93.387	-0.063	0.000	0.12		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	2.9	OK
6.000	S5026	0.7	OK
6.001	S5027	1.8	OK
5.002	S5028	5.2	OK
1.014	S5029	22.6	OK
1.015	S5030	22.9	OK
1.016	S8121	23.8	OK
1.017	S5036 - Headwall	25.1	OK*
7.000	S8135	1.9	OK

JS Bloor (Wilmslow) Ltd			Page 194	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 3.5	OK	
7.002		S8137 5.1	OK	
7.003		S8161 5.5	OK	
8.000		S8151 1.4	OK	
7.004		S8162 8.1	OK	
7.005		S8152 9.1	OK	
9.000		S8144 0.5	OK	
9.001		S8145 1.2	OK	
7.006		S8146 11.0	OK	
10.000		S8165 0.3	OK	
10.001		S8164 0.8	OK	
7.007		S8147 12.6	OK	
7.008		S8150 12.7	OK	
7.009		S8149 14.2	OK	
11.000		S5037 0.3	OK	
11.001		S5038 0.7	OK	
11.002		S5039 0.8	OK	
12.000		S5040 1.3	OK	
7.010		S5041 16.7	OK	
7.011		S5042 17.2	OK	
7.012		S5047 18.2	OK	
7.013		S8167 18.2	OK	
7.014	S5048 - Headwall	18.2	OK	
1.018	S5049 - Headwall	43.2	OK	
1.019	S5050 Control Chamber	10.8	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 195																																																																																																																																																																																																																																																									
Dean Court 85 Adllington Road Wilmslow SK9 1BT																																																																																																																																																																																																																																																																
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																																																																																																																																																																																																																																																												
Elstree Computing Ltd				Network 2020.1.3																																																																																																																																																																																																																																																												
<u>Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5</u>																																																																																																																																																																																																																																																																
<u>Simulation Criteria</u>																																																																																																																																																																																																																																																																
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																																																																																																																																																																																																																																																										
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																																																																																																																																																																																																																																																										
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		3																																																																																																																																																																																																																																																								
Number of Online Controls				1		Number of Time/Area Diagrams		0																																																																																																																																																																																																																																																								
Number of Offline Controls				0		Number of Real Time Controls		0																																																																																																																																																																																																																																																								
<u>Synthetic Rainfall Details</u>																																																																																																																																																																																																																																																																
Rainfall Model		FSR		Ratio R		0.413																																																																																																																																																																																																																																																										
Region England and Wales		Cv (Summer)		0.750																																																																																																																																																																																																																																																												
M5-60 (mm)		19.500		Cv (Winter)		0.840																																																																																																																																																																																																																																																										
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																																																																																																																																																																																																																																																								
Analysis Timestep				Fine		Inertia Status		OFF																																																																																																																																																																																																																																																								
DTS 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)		1, 30, 100																																																																																																																																																																																																																																																														
Climate Change (%)		0, 0, 40																																																																																																																																																																																																																																																														
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water</th><th colspan="2">Surcharged</th><th colspan="2">Flooded</th><th colspan="2">Half Drain</th></tr><tr><th>Level (m)</th><th>Depth (m)</th><th>Volume (m³)</th><th>Flow / Cap.</th><th>Overflow (l/s)</th><th>Time (mins)</th></tr><tr><td>1.000</td><td></td><td>S8142</td><td>72</td><td>96.747</td><td>-0.368</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td></tr><tr><td>2.000</td><td></td><td>S8133</td><td>72</td><td>97.415</td><td>-0.295</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td></tr><tr><td>1.001</td><td></td><td>S8134</td><td>72</td><td>96.123</td><td>-0.427</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.002</td><td></td><td>S8141</td><td>72</td><td>95.942</td><td>-0.503</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.003</td><td></td><td>S8139</td><td>72</td><td>95.749</td><td>-0.506</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.004</td><td></td><td>S8140</td><td>72</td><td>95.348</td><td>-0.497</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.005</td><td></td><td>S4008</td><td>72</td><td>95.160</td><td>-0.466</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>1.006</td><td></td><td>S4011</td><td>72</td><td>95.093</td><td>-0.496</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.007</td><td></td><td>S4012</td><td>72</td><td>94.606</td><td>-0.479</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>3.000</td><td></td><td>S8157</td><td>72</td><td>95.934</td><td>-0.371</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td></tr><tr><td>3.001</td><td></td><td>S8159</td><td>72</td><td>95.042</td><td>-0.438</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>3.002</td><td></td><td>S8154</td><td>72</td><td>94.835</td><td>-0.505</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>3.003</td><td></td><td>S8155</td><td>72</td><td>94.658</td><td>-0.507</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr><tr><td>1.008</td><td></td><td>S5015</td><td>72</td><td>94.383</td><td>-0.462</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>1.009</td><td></td><td>S5016</td><td>72</td><td>94.237</td><td>-0.468</td><td>0.000</td><td>0.03</td><td></td><td></td><td></td></tr><tr><td>1.010</td><td>S5017 - PH4 Connection</td><td>72</td><td>94.036</td><td>-0.439</td><td>0.000</td><td>0.05</td><td></td><td></td><td></td><td></td></tr><tr><td>4.000</td><td></td><td>S5018</td><td>72</td><td>95.107</td><td>-0.297</td><td>0.000</td><td>0.00</td><td></td><td></td><td></td></tr><tr><td>1.011</td><td></td><td>S5019</td><td>72</td><td>93.981</td><td>-0.424</td><td>0.000</td><td>0.07</td><td></td><td></td><td></td></tr><tr><td>1.012</td><td>S5020 PH5 Connection</td><td>72</td><td>93.939</td><td>-0.501</td><td>0.000</td><td>0.06</td><td></td><td></td><td></td><td></td></tr><tr><td>1.013</td><td></td><td>S5021</td><td>72</td><td>93.788</td><td>-0.542</td><td>0.000</td><td>0.02</td><td></td><td></td><td></td></tr><tr><td>5.000</td><td></td><td>S5023</td><td>72</td><td>94.081</td><td>-0.439</td><td>0.000</td><td>0.01</td><td></td><td></td><td></td></tr></table>									PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded		Half Drain		Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	1.000		S8142	72	96.747	-0.368	0.000	0.00				2.000		S8133	72	97.415	-0.295	0.000	0.00				1.001		S8134	72	96.123	-0.427	0.000	0.01				1.002		S8141	72	95.942	-0.503	0.000	0.01				1.003		S8139	72	95.749	-0.506	0.000	0.01				1.004		S8140	72	95.348	-0.497	0.000	0.01				1.005		S4008	72	95.160	-0.466	0.000	0.03				1.006		S4011	72	95.093	-0.496	0.000	0.01				1.007		S4012	72	94.606	-0.479	0.000	0.02				3.000		S8157	72	95.934	-0.371	0.000	0.00				3.001		S8159	72	95.042	-0.438	0.000	0.01				3.002		S8154	72	94.835	-0.505	0.000	0.01				3.003		S8155	72	94.658	-0.507	0.000	0.01				1.008		S5015	72	94.383	-0.462	0.000	0.03				1.009		S5016	72	94.237	-0.468	0.000	0.03				1.010	S5017 - PH4 Connection	72	94.036	-0.439	0.000	0.05					4.000		S5018	72	95.107	-0.297	0.000	0.00				1.011		S5019	72	93.981	-0.424	0.000	0.07				1.012	S5020 PH5 Connection	72	93.939	-0.501	0.000	0.06					1.013		S5021	72	93.788	-0.542	0.000	0.02				5.000		S5023	72	94.081	-0.439	0.000	0.01			
PN	US/MH Name	Storm Rank	Water		Surcharged		Flooded					Half Drain																																																																																																																																																																																																																																																				
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)																																																																																																																																																																																																																																																								
1.000		S8142	72	96.747	-0.368	0.000	0.00																																																																																																																																																																																																																																																									
2.000		S8133	72	97.415	-0.295	0.000	0.00																																																																																																																																																																																																																																																									
1.001		S8134	72	96.123	-0.427	0.000	0.01																																																																																																																																																																																																																																																									
1.002		S8141	72	95.942	-0.503	0.000	0.01																																																																																																																																																																																																																																																									
1.003		S8139	72	95.749	-0.506	0.000	0.01																																																																																																																																																																																																																																																									
1.004		S8140	72	95.348	-0.497	0.000	0.01																																																																																																																																																																																																																																																									
1.005		S4008	72	95.160	-0.466	0.000	0.03																																																																																																																																																																																																																																																									
1.006		S4011	72	95.093	-0.496	0.000	0.01																																																																																																																																																																																																																																																									
1.007		S4012	72	94.606	-0.479	0.000	0.02																																																																																																																																																																																																																																																									
3.000		S8157	72	95.934	-0.371	0.000	0.00																																																																																																																																																																																																																																																									
3.001		S8159	72	95.042	-0.438	0.000	0.01																																																																																																																																																																																																																																																									
3.002		S8154	72	94.835	-0.505	0.000	0.01																																																																																																																																																																																																																																																									
3.003		S8155	72	94.658	-0.507	0.000	0.01																																																																																																																																																																																																																																																									
1.008		S5015	72	94.383	-0.462	0.000	0.03																																																																																																																																																																																																																																																									
1.009		S5016	72	94.237	-0.468	0.000	0.03																																																																																																																																																																																																																																																									
1.010	S5017 - PH4 Connection	72	94.036	-0.439	0.000	0.05																																																																																																																																																																																																																																																										
4.000		S5018	72	95.107	-0.297	0.000	0.00																																																																																																																																																																																																																																																									
1.011		S5019	72	93.981	-0.424	0.000	0.07																																																																																																																																																																																																																																																									
1.012	S5020 PH5 Connection	72	93.939	-0.501	0.000	0.06																																																																																																																																																																																																																																																										
1.013		S5021	72	93.788	-0.542	0.000	0.02																																																																																																																																																																																																																																																									
5.000		S5023	72	94.081	-0.439	0.000	0.01																																																																																																																																																																																																																																																									
©1982-2020 Innovyze																																																																																																																																																																																																																																																																

JS Bloor (Wilmslow) Ltd		Page 196
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd Network 2020.1.3		
<u>Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5</u>		

JS Bloor (Wilmslow) Ltd		Page 197
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	72 93.731	-0.429	0.000	0.01		
6.000		S5026	72 94.299	-0.293	0.000	0.00		
6.001		S5027	72 93.778	-0.357	0.000	0.01		
5.002		S5028	72 93.545	-0.471	0.000	0.02		
1.014		S5029	72 93.438	-0.532	0.000	0.06		
1.015		S5030	72 93.401	-0.526	0.000	0.07		
1.016		S8121	72 93.386	-0.501	0.000	0.08		
1.017	S5036 - Headwall	71 93.386	-0.939	0.000	0.02			
7.000		S8135	72 96.193	-0.422	0.000	0.01		
7.001		S8136	72 96.139	-0.404	0.000	0.02		
7.002		S8137	72 96.076	-0.398	0.000	0.03		
7.003		S8161	72 96.017	-0.397	0.000	0.03		
8.000		S8151	72 96.182	-0.275	0.000	0.02		
7.004		S8162	72 95.941	-0.399	0.000	0.03		
7.005		S8152	72 95.732	-0.468	0.000	0.03		
9.000		S8144	72 96.256	-0.294	0.000	0.00		
9.001		S8145	72 96.008	-0.367	0.000	0.00		
7.006		S8146	72 95.619	-0.471	0.000	0.02		
10.000		S8165	72 95.548	-0.447	0.000	0.00		
10.001		S8164	72 95.411	-0.500	0.000	0.00		
7.007		S8147	72 95.407	-0.473	0.000	0.02		
7.008		S8150	72 95.081	-0.464	0.000	0.03		
7.009		S8149	72 94.922	-0.444	0.000	0.06		
11.000		S5037	72 95.162	-0.218	0.000	0.01		
11.001		S5038	72 94.946	-0.287	0.000	0.01		
11.002		S5039	72 94.872	-0.283	0.000	0.01		
12.000		S5040	72 95.181	-0.201	0.000	0.02		
7.010		S5041	72 94.833	-0.470	0.000	0.02		
7.011		S5042	72 94.383	-0.472	0.000	0.02		
7.012		S5047	72 93.565	-0.455	0.000	0.04		
7.013		S8167	72 93.404	-0.451	0.000	0.05		
7.014	S5048 - Headwall	71 93.386	-0.489	0.000	0.05			
1.018	S5049 - Headwall	69 93.384	-0.566	0.000	0.06			
1.019	S5050 Control Chamber	49 93.384	-0.066	0.000	0.11			

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001	S5025	2.2	OK
6.000	S5026	0.5	OK
6.001	S5027	1.3	OK
5.002	S5028	3.9	OK
1.014	S5029	16.8	OK
1.015	S5030	16.9	OK
1.016	S8121	17.6	OK
1.017	S5036 - Headwall	18.6	OK*
7.000	S8135	1.4	OK

JS Bloor (Wilmslow) Ltd			Page 198	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 1440 minute 1 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 2.6	OK	
7.002		S8137 3.8	OK	
7.003		S8161 4.1	OK	
8.000		S8151 1.1	OK	
7.004		S8162 6.0	OK	
7.005		S8152 6.7	OK	
9.000		S8144 0.4	OK	
9.001		S8145 0.9	OK	
7.006		S8146 8.2	OK	
10.000		S8165 0.2	OK	
10.001		S8164 0.6	OK	
7.007		S8147 9.3	OK	
7.008		S8150 9.4	OK	
7.009		S8149 10.5	OK	
11.000		S5037 0.2	OK	
11.001		S5038 0.5	OK	
11.002		S5039 0.6	OK	
12.000		S5040 0.9	OK	
7.010		S5041 12.3	OK	
7.011		S5042 12.7	OK	
7.012		S5047 13.5	OK	
7.013		S8167 13.5	OK	
7.014	S5048 - Headwall	13.5	OK	
1.018	S5049 - Headwall	31.8	OK	
1.019	S5050 Control Chamber	10.7	OK	
©1982-2020 Innovyze				



**Micro
Drainage**

Designed by d southa

Checked by

Network 2020.1.3

Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 32.2	OK
2.000		S8133 25.0	OK
1.001		S8134 88.4	OK
1.002		S8141 125.3	OK
1.003		S8139 133.8	OK
1.004		S8140 181.9	OK
1.005		S4008 212.5	OK
1.006		S4011 205.2	OK
1.007		S4012 209.2	SURCHARGED
3.000		S8157 24.0	OK
3.001		S8159 57.1	OK
3.002		S8154 107.6	OK
3.003		S8155 125.5	SURCHARGED
1.008		S5015 306.1	SURCHARGED
1.009		S5016 306.5	SURCHARGED
1.010	S5017 - PH4 Connection	325.0	SURCHARGED
4.000		S5018 22.6	OK
1.011		S5019 341.5	SURCHARGED
1.012	S5020 PH5 Connection	346.9	SURCHARGED
1.013		S5021 348.5	SURCHARGED
5.000		S5023 60.5	OK

JS Bloor (Wilmslow) Ltd			Page 202
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	85.8	OK
7.002	S8137	123.3	OK
7.003	S8161	129.9	OK
8.000	S8151	47.3	OK
7.004	S8162	197.4	OK
7.005	S8152	221.8	OK
9.000	S8144	16.8	OK
9.001	S8145	43.0	OK
7.006	S8146	280.7	OK
10.000	S8165	9.2	OK
10.001	S8164	21.1	OK
7.007	S8147	301.7	OK
7.008	S8150	301.9	SURCHARGED
7.009	S8149	324.8	SURCHARGED
11.000	S5037	10.8	OK
11.001	S5038	24.2	OK
11.002	S5039	22.2	OK
12.000	S5040	40.8	SURCHARGED
7.010	S5041	382.6	OK
7.011	S5042	380.6	SURCHARGED
7.012	S5047	381.1	SURCHARGED
7.013	S8167	379.8	SURCHARGED
7.014	S5048 - Headwall	364.9	SURCHARGED
1.018	S5049 - Headwall	775.5	SURCHARGED
1.019	S5050 Control Chamber	10.7	OK
©1982-2020 Innovyze			



Designed by d_southa

Checked by

Network 2020.1.3

Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 25.3	OK
2.000		S8133 19.7	OK
1.001		S8134 69.1	OK
1.002		S8141 97.8	OK
1.003		S8139 103.7	OK
1.004		S8140 138.4	OK
1.005		S4008 162.5	OK
1.006		S4011 167.7	OK
1.007		S4012 182.7	SURCHARGED
3.000		S8157 18.8	OK
3.001		S8159 43.2	OK
3.002		S8154 81.6	OK
3.003		S8155 98.1	OK
1.008		S5015 281.1	SURCHARGED
1.009		S5016 280.6	SURCHARGED
1.010	S5017 - PH4 Connection	300.2	SURCHARGED
4.000		S5018 17.5	OK
1.011		S5019 316.9	SURCHARGED
1.012	S5020 PH5 Connection	324.3	SURCHARGED
1.013		S5021 327.8	SURCHARGED
5.000		S5023 47.6	OK

JS Bloor (Wilmslow) Ltd							Page 205	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 206
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 79.7	OK
7.002		S8137 113.7	OK
7.003		S8161 124.1	OK
8.000		S8151 37.2	OK
7.004		S8162 184.7	OK
7.005		S8152 205.0	OK
9.000		S8144 13.2	OK
9.001		S8145 32.5	OK
7.006		S8146 249.8	OK
10.000		S8165 7.4	OK
10.001		S8164 20.3	OK
7.007		S8147 276.2	OK
7.008		S8150 278.3	SURCHARGED
7.009		S8149 303.2	SURCHARGED
11.000		S5037 8.5	OK
11.001		S5038 18.5	OK
11.002		S5039 17.9	OK
12.000		S5040 32.5	OK
7.010		S5041 353.6	OK
7.011		S5042 353.5	SURCHARGED
7.012		S5047 355.0	SURCHARGED
7.013		S8167 354.1	SURCHARGED
7.014	S5048 - Headwall	350.5	SURCHARGED
1.018	S5049 - Headwall	773.4	SURCHARGED
1.019	S5050 Control Chamber	11.4	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 207
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		
Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coefficient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	3
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	0.413
Region England and Wales Cv (Summer)			0.750
M5-60 (mm)	19.500	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0	DVD Status	OFF
Analysis Timestep	Fine	Inertia Status	OFF
DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)
1.000		S8142	15 96.815	-0.300	0.000	0.09	
2.000		S8133	15 97.468	-0.242	0.000	0.08	
1.001		S8134	15 96.252	-0.298	0.000	0.25	
1.002		S8141	15 96.083	-0.362	0.000	0.21	
1.003		S8139	15 95.879	-0.376	0.000	0.18	
1.004		S8140	15 95.503	-0.342	0.000	0.26	
1.005		S4008	15 95.422	-0.204	0.000	0.69	
1.006		S4011	15 95.247	-0.342	0.000	0.27	
1.007		S4012	15 94.836	-0.249	0.000	0.42	
3.000		S8157	15 95.983	-0.322	0.000	0.05	
3.001		S8159	15 95.139	-0.341	0.000	0.13	
3.002		S8154	15 94.969	-0.371	0.000	0.19	
3.003		S8155	15 94.797	-0.368	0.000	0.16	
1.008		S5015	15 94.767	-0.078	0.000	0.76	
1.009		S5016	15 94.687	-0.018	0.000	0.59	
1.010	S5017 - PH4 Connection	15	94.619	0.144	0.000	1.14	
4.000		S5018	15 95.150	-0.254	0.000	0.06	
1.011		S5019	15 94.529	0.124	0.000	1.57	
1.012	S5020 PH5 Connection	17	94.440	0.000	0.000	1.40	
1.013		S5021	15 94.197	-0.133	0.000	0.44	
5.000		S5023	15 94.201	-0.319	0.000	0.12	

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd							Page 209	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5</u>								

JS Bloor (Wilmslow) Ltd			Page 210
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 57.1	OK
7.002		S8137 81.9	OK
7.003		S8161 89.7	OK
8.000		S8151 24.3	OK
7.004		S8162 132.0	OK
7.005		S8152 146.8	OK
9.000		S8144 8.6	OK
9.001		S8145 21.2	OK
7.006		S8146 178.1	OK
10.000		S8165 5.1	OK
10.001		S8164 12.4	OK
7.007		S8147 203.5	OK
7.008		S8150 206.6	OK
7.009		S8149 227.7	SURCHARGED
11.000		S5037 5.6	OK
11.001		S5038 12.4	OK
11.002		S5039 12.9	OK
12.000		S5040 21.5	OK
7.010		S5041 263.1	OK
7.011		S5042 271.2	OK
7.012		S5047 277.3	SURCHARGED
7.013		S8167 276.2	SURCHARGED
7.014	S5048 - Headwall	272.7	SURCHARGED
1.018	S5049 - Headwall	606.4	SURCHARGED
1.019	S5050 Control Chamber	11.8	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd			Page 212	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 10.2	OK	
2.000		S8133 7.9	OK	
1.001		S8134 27.7	OK	
1.002		S8141 39.1	OK	
1.003		S8139 41.9	OK	
1.004		S8140 57.7	OK	
1.005		S4008 68.7	OK	
1.006		S4011 70.9	OK	
1.007		S4012 83.7	OK	
3.000		S8157 7.5	OK	
3.001		S8159 17.2	OK	
3.002		S8154 33.0	OK	
3.003		S8155 43.5	OK	
1.008		S5015 139.7	OK	
1.009		S5016 138.6	OK	
1.010	S5017 - PH4 Connection	149.2	OK	
4.000		S5018 7.0	OK	
1.011		S5019 158.6	OK	
1.012	S5020 PH5 Connection	163.6	OK	
1.013		S5021 171.4	OK	
5.000		S5023 19.1	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 213	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	32	93.960	-0.200	0.000	0.13	
6.000		S5026	26	94.344	-0.248	0.000	0.07	
6.001		S5027	32	93.960	-0.175	0.000	0.14	
5.002		S5028	32	93.950	-0.066	0.000	0.29	
1.014		S5029	32	93.937	-0.033	0.000	0.86	
1.015		S5030	32	93.866	-0.061	0.000	0.91	
1.016		S8121	32	93.792	-0.095	0.000	1.02	
1.017	S5036 - Headwall	32	93.771	-0.554	0.000	0.22		
7.000		S8135	21	96.314	-0.301	0.000	0.14	
7.001		S8136	21	96.281	-0.262	0.000	0.26	
7.002		S8137	21	96.234	-0.240	0.000	0.39	
7.003		S8161	21	96.175	-0.239	0.000	0.41	
8.000		S8151	26	96.258	-0.199	0.000	0.25	
7.004		S8162	21	96.095	-0.244	0.000	0.43	
7.005		S8152	21	95.896	-0.304	0.000	0.37	
9.000		S8144	26	96.300	-0.250	0.000	0.06	
9.001		S8145	25	96.061	-0.314	0.000	0.06	
7.006		S8146	21	95.771	-0.319	0.000	0.32	
10.000		S8165	23	95.592	-0.403	0.000	0.02	
10.001		S8164	21	95.551	-0.360	0.000	0.05	
7.007		S8147	21	95.550	-0.330	0.000	0.29	
7.008		S8150	21	95.285	-0.260	0.000	0.45	
7.009		S8149	21	95.194	-0.171	0.000	0.79	
11.000		S5037	26	95.201	-0.179	0.000	0.09	
11.001		S5038	21	95.022	-0.211	0.000	0.12	
11.002		S5039	21	94.996	-0.160	0.000	0.13	
12.000		S5040	26	95.249	-0.134	0.000	0.34	
7.010		S5041	21	94.988	-0.315	0.000	0.33	
7.011		S5042	21	94.527	-0.328	0.000	0.30	
7.012		S5047	32	93.876	-0.144	0.000	0.60	
7.013		S8167	32	93.843	-0.013	0.000	0.67	
7.014	S5048 - Headwall	32	93.812	-0.063	0.000	0.73		
1.018	S5049 - Headwall	32	93.734	-0.216	0.000	0.86		
1.019	S5050 Control Chamber	38	93.568	0.118	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 214
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 36.6	OK
7.002		S8137 52.4	OK
7.003		S8161 57.1	OK
8.000		S8151 15.0	OK
7.004		S8162 84.2	OK
7.005		S8152 93.7	OK
9.000		S8144 5.3	OK
9.001		S8145 13.0	OK
7.006		S8146 114.2	OK
10.000		S8165 3.2	OK
10.001		S8164 7.9	OK
7.007		S8147 130.4	OK
7.008		S8150 131.4	OK
7.009		S8149 147.3	OK
11.000		S5037 3.4	OK
11.001		S5038 7.7	OK
11.002		S5039 8.1	OK
12.000		S5040 13.3	OK
7.010		S5041 171.9	OK
7.011		S5042 177.5	OK
7.012		S5047 186.7	OK
7.013		S8167 186.3	OK
7.014	S5048 - Headwall	185.1	OK
1.018	S5049 - Headwall	430.6	OK
1.019	S5050 Control Chamber	12.1	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd			Page 216	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 7.6	OK	
2.000		S8133 5.9	OK	
1.001		S8134 20.6	OK	
1.002		S8141 29.2	OK	
1.003		S8139 31.2	OK	
1.004		S8140 43.0	OK	
1.005		S4008 51.1	OK	
1.006		S4011 52.8	OK	
1.007		S4012 62.4	OK	
3.000		S8157 5.6	OK	
3.001		S8159 12.8	OK	
3.002		S8154 24.6	OK	
3.003		S8155 32.4	OK	
1.008		S5015 104.1	OK	
1.009		S5016 104.3	OK	
1.010	S5017 - PH4 Connection	113.4	OK	
4.000		S5018 5.2	OK	
1.011		S5019 120.5	OK	
1.012	S5020 PH5 Connection	124.2	OK	
1.013		S5021 130.6	OK	
5.000		S5023 14.3	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 217	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001		S5025	36	93.835	-0.325	0.000	0.10	
6.000		S5026	31	94.336	-0.256	0.000	0.05	
6.001		S5027	39	93.852	-0.283	0.000	0.11	
5.002		S5028	36	93.815	-0.201	0.000	0.23	
1.014		S5029	36	93.805	-0.166	0.000	0.67	
1.015		S5030	35	93.756	-0.171	0.000	0.71	
1.016		S8121	35	93.703	-0.184	0.000	0.80	
1.017	S5036 - Headwall	35	93.685	-0.640	0.000	0.17		
7.000		S8135	30	96.288	-0.327	0.000	0.11	
7.001		S8136	30	96.251	-0.292	0.000	0.20	
7.002		S8137	30	96.202	-0.272	0.000	0.29	
7.003		S8161	30	96.143	-0.271	0.000	0.31	
8.000		S8151	31	96.244	-0.213	0.000	0.19	
7.004		S8162	30	96.064	-0.275	0.000	0.32	
7.005		S8152	30	95.863	-0.337	0.000	0.28	
9.000		S8144	31	96.292	-0.258	0.000	0.05	
9.001		S8145	31	96.052	-0.323	0.000	0.05	
7.006		S8146	30	95.740	-0.350	0.000	0.24	
10.000		S8165	31	95.579	-0.416	0.000	0.01	
10.001		S8164	30	95.523	-0.388	0.000	0.03	
7.007		S8147	30	95.521	-0.359	0.000	0.22	
7.008		S8150	30	95.235	-0.310	0.000	0.34	
7.009		S8149	30	95.131	-0.234	0.000	0.59	
11.000		S5037	31	95.193	-0.186	0.000	0.07	
11.001		S5038	30	95.002	-0.232	0.000	0.09	
11.002		S5039	30	94.964	-0.192	0.000	0.10	
12.000		S5040	31	95.235	-0.148	0.000	0.26	
7.010		S5041	30	94.956	-0.347	0.000	0.25	
7.011		S5042	30	94.499	-0.356	0.000	0.23	
7.012		S5047	38	93.751	-0.269	0.000	0.45	
7.013		S8167	35	93.722	-0.133	0.000	0.51	
7.014	S5048 - Headwall	35	93.701	-0.174	0.000	0.55		
1.018	S5049 - Headwall	41	93.646	-0.304	0.000	0.66		
1.019	S5050 Control Chamber	35	93.600	0.150	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 218
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 27.5	OK
7.002		S8137 39.4	OK
7.003		S8161 43.1	OK
8.000		S8151 11.2	OK
7.004		S8162 63.3	OK
7.005		S8152 70.5	OK
9.000		S8144 4.0	OK
9.001		S8145 9.7	OK
7.006		S8146 85.8	OK
10.000		S8165 2.4	OK
10.001		S8164 5.9	OK
7.007		S8147 98.0	OK
7.008		S8150 99.2	OK
7.009		S8149 110.6	OK
11.000		S5037 2.6	OK
11.001		S5038 5.8	OK
11.002		S5039 6.1	OK
12.000		S5040 9.9	OK
7.010		S5041 129.4	OK
7.011		S5042 133.4	OK
7.012		S5047 141.1	OK
7.013		S8167 141.0	OK
7.014	S5048 - Headwall	140.8	OK
1.018	S5049 - Headwall	333.1	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

Dean Court 85 Adllington Road Wilmslow SK9 1BT
--

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 6.1	OK
2.000		S8133 4.7	OK
1.001		S8134 16.6	OK
1.002		S8141 23.4	OK
1.003		S8139 25.1	OK
1.004		S8140 34.6	OK
1.005		S4008 41.1	OK
1.006		S4011 42.5	OK
1.007		S4012 50.2	OK
3.000		S8157 4.5	OK
3.001		S8159 10.3	OK
3.002		S8154 19.7	OK
3.003		S8155 26.0	OK
1.008		S5015 83.8	OK
1.009		S5016 83.8	OK
1.010	S5017 - PH4 Connection	91.1	OK
4.000		S5018 4.2	OK
1.011		S5019 96.7	OK
1.012	S5020 PH5 Connection	100.0	OK
1.013		S5021 105.3	OK
5.000		S5023 11.5	OK

JS Bloor (Wilmslow) Ltd		Page 221
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	42 93.801	-0.359	0.000	0.08		
6.000		S5026	36 94.331	-0.261	0.000	0.04		
6.001		S5027	42 93.834	-0.301	0.000	0.09		
5.002		S5028	41 93.754	-0.262	0.000	0.19		
1.014		S5029	42 93.744	-0.226	0.000	0.54		
1.015		S5030	41 93.698	-0.229	0.000	0.57		
1.016		S8121	46 93.649	-0.238	0.000	0.65		
1.017	S5036 - Headwall	47 93.632	-0.693	0.000	0.14			
7.000		S8135	36 96.273	-0.343	0.000	0.09		
7.001		S8136	36 96.233	-0.310	0.000	0.16		
7.002		S8137	36 96.182	-0.292	0.000	0.23		
7.003		S8161	36 96.123	-0.291	0.000	0.25		
8.000		S8151	36 96.234	-0.223	0.000	0.15		
7.004		S8162	36 96.044	-0.295	0.000	0.26		
7.005		S8152	36 95.843	-0.357	0.000	0.22		
9.000		S8144	36 96.288	-0.262	0.000	0.04		
9.001		S8145	36 96.047	-0.328	0.000	0.04		
7.006		S8146	36 95.723	-0.367	0.000	0.20		
10.000		S8165	36 95.570	-0.425	0.000	0.01		
10.001		S8164	36 95.505	-0.406	0.000	0.03		
7.007		S8147	36 95.504	-0.376	0.000	0.18		
7.008		S8150	36 95.207	-0.338	0.000	0.27		
7.009		S8149	36 95.096	-0.270	0.000	0.48		
11.000		S5037	36 95.189	-0.191	0.000	0.06		
11.001		S5038	36 94.993	-0.241	0.000	0.07		
11.002		S5039	36 94.948	-0.208	0.000	0.08		
12.000		S5040	36 95.227	-0.156	0.000	0.21		
7.010		S5041	36 94.938	-0.365	0.000	0.20		
7.011		S5042	36 94.481	-0.374	0.000	0.18		
7.012		S5047	42 93.715	-0.305	0.000	0.37		
7.013		S8167	46 93.660	-0.195	0.000	0.41		
7.014	S5048 - Headwall	47 93.643	-0.232	0.000	0.45			
1.018	S5049 - Headwall	45 93.623	-0.327	0.000	0.54			
1.019	S5050 Control Chamber	28 93.621	0.171	0.000	0.13			

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 18.5	OK
6.000		S5026 4.5	OK
6.001		S5027 11.3	OK
5.002		S5028 32.6	OK
1.014		S5029 142.3	OK
1.015		S5030 143.6	OK
1.016		S8121 149.0	OK
1.017	S5036 - Headwall	156.9	OK*
7.000		S8135 11.9	OK

JS Bloor (Wilmslow) Ltd			Page 222
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 22.1	OK
7.002		S8137 31.8	OK
7.003		S8161 34.7	OK
8.000		S8151 9.0	OK
7.004		S8162 51.0	OK
7.005		S8152 56.8	OK
9.000		S8144 3.2	OK
9.001		S8145 7.7	OK
7.006		S8146 69.2	OK
10.000		S8165 1.9	OK
10.001		S8164 4.7	OK
7.007		S8147 79.0	OK
7.008		S8150 79.8	OK
7.009		S8149 89.5	OK
11.000		S5037 2.1	OK
11.001		S5038 4.6	OK
11.002		S5039 4.9	OK
12.000		S5040 7.9	OK
7.010		S5041 104.6	OK
7.011		S5042 108.0	OK
7.012		S5047 114.3	OK
7.013		S8167 114.3	OK
7.014	S5048 - Headwall	114.1	OK
1.018	S5049 - Headwall	270.8	OK
1.019	S5050 Control Chamber	12.2	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 223	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
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 3				
Number of Online Controls 1				Number of Time/Area Diagrams 0				
Number of Offline Controls 0				Number of Real Time Controls 0				
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales Cv (Summer)		0.750						
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)		300.0		DVD Status		OFF		
Analysis Timestep		Fine		Inertia Status		OFF		
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd		Page 225
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	46 93.782	-0.378	0.000	0.06		
6.000		S5026	43 94.326	-0.266	0.000	0.03		
6.001		S5027	46 93.821	-0.314	0.000	0.06		
5.002		S5028	46 93.685	-0.331	0.000	0.14		
1.014		S5029	49 93.669	-0.301	0.000	0.39		
1.015		S5030	49 93.650	-0.277	0.000	0.42		
1.016		S8121	47 93.648	-0.239	0.000	0.47		
1.017	S5036 - Headwall	45 93.648	-0.677	0.000	0.10			
7.000		S8135	43 96.255	-0.360	0.000	0.06		
7.001		S8136	43 96.210	-0.333	0.000	0.12		
7.002		S8137	43 96.158	-0.315	0.000	0.17		
7.003		S8161	43 96.100	-0.314	0.000	0.18		
8.000		S8151	43 96.222	-0.235	0.000	0.11		
7.004		S8162	43 96.021	-0.318	0.000	0.19		
7.005		S8152	43 95.816	-0.384	0.000	0.16		
9.000		S8144	43 96.283	-0.267	0.000	0.03		
9.001		S8145	43 96.041	-0.334	0.000	0.03		
7.006		S8146	43 95.697	-0.393	0.000	0.14		
10.000		S8165	43 95.563	-0.432	0.000	0.01		
10.001		S8164	43 95.482	-0.429	0.000	0.02		
7.007		S8147	43 95.480	-0.400	0.000	0.13		
7.008		S8150	43 95.179	-0.366	0.000	0.20		
7.009		S8149	43 95.054	-0.311	0.000	0.35		
11.000		S5037	43 95.184	-0.196	0.000	0.04		
11.001		S5038	43 94.980	-0.253	0.000	0.05		
11.002		S5039	43 94.926	-0.230	0.000	0.06		
12.000		S5040	43 95.216	-0.167	0.000	0.15		
7.010		S5041	43 94.912	-0.391	0.000	0.15		
7.011		S5042	43 94.457	-0.398	0.000	0.13		
7.012		S5047	46 93.679	-0.341	0.000	0.27		
7.013		S8167	48 93.651	-0.205	0.000	0.30		
7.014	S5048 - Headwall	46 93.649	-0.226	0.000	0.33			
1.018	S5049 - Headwall	40 93.648	-0.302	0.000	0.39			
1.019	S5050 Control Chamber	27 93.646	0.196	0.000	0.13			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	13.5	OK
6.000		S5026	3.3	OK
6.001		S5027	8.2	OK
5.002		S5028	23.9	OK
1.014		S5029	103.8	OK
1.015		S5030	105.0	OK
1.016		S8121	109.1	OK
1.017	S5036 - Headwall		115.4	OK*
7.000		S8135	8.7	OK

JS Bloor (Wilmslow) Ltd			Page 226
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 16.2	OK
7.002		S8137 23.2	OK
7.003		S8161 25.4	OK
8.000		S8151 6.5	OK
7.004		S8162 37.3	OK
7.005		S8152 41.6	OK
9.000		S8144 2.3	OK
9.001		S8145 5.6	OK
7.006		S8146 50.5	OK
10.000		S8165 1.4	OK
10.001		S8164 3.5	OK
7.007		S8147 57.7	OK
7.008		S8150 58.3	OK
7.009		S8149 65.2	OK
11.000		S5037 1.5	OK
11.001		S5038 3.4	OK
11.002		S5039 3.6	OK
12.000		S5040 5.8	OK
7.010		S5041 76.4	OK
7.011		S5042 78.7	OK
7.012		S5047 83.4	OK
7.013		S8167 83.5	OK
7.014	S5048 - Headwall	83.6	OK
1.018	S5049 - Headwall	198.5	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 227	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
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		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales Cv (Summer)		0.750						
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd			Page 228	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 3.5	OK	
2.000		S8133 2.7	OK	
1.001		S8134 9.6	OK	
1.002		S8141 13.6	OK	
1.003		S8139 14.6	OK	
1.004		S8140 20.1	OK	
1.005		S4008 23.9	OK	
1.006		S4011 24.7	OK	
1.007		S4012 29.2	OK	
3.000		S8157 2.6	OK	
3.001		S8159 6.0	OK	
3.002		S8154 11.5	OK	
3.003		S8155 15.1	OK	
1.008		S5015 48.8	OK	
1.009		S5016 48.8	OK	
1.010	S5017 - PH4 Connection	53.2	OK	
4.000		S5018 2.4	OK	
1.011		S5019 56.5	OK	
1.012	S5020 PH5 Connection	58.3	OK	
1.013		S5021 61.4	OK	
5.000		S5023 6.7	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd							Page 229	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	51	93.773	-0.387	0.000	0.05		
6.000	S5026	50	94.323	-0.269	0.000	0.02		
6.001	S5027	51	93.814	-0.321	0.000	0.05		
5.002	S5028	53	93.666	-0.350	0.000	0.11		
1.014	S5029	50	93.666	-0.305	0.000	0.32		
1.015	S5030	47	93.664	-0.263	0.000	0.33		
1.016	S8121	44	93.662	-0.225	0.000	0.38		
1.017	S5036 - Headwall	43	93.662	-0.663	0.000	0.08		
7.000	S8135	49	96.243	-0.372	0.000	0.05		
7.001	S8136	49	96.196	-0.347	0.000	0.09		
7.002	S8137	49	96.142	-0.332	0.000	0.14		
7.003	S8161	49	96.083	-0.331	0.000	0.14		
8.000	S8151	50	96.216	-0.241	0.000	0.09		
7.004	S8162	49	96.005	-0.334	0.000	0.15		
7.005	S8152	49	95.800	-0.400	0.000	0.13		
9.000	S8144	50	96.281	-0.269	0.000	0.02		
9.001	S8145	50	96.038	-0.337	0.000	0.02		
7.006	S8146	49	95.683	-0.407	0.000	0.12		
10.000	S8165	50	95.559	-0.436	0.000	0.01		
10.001	S8164	49	95.470	-0.441	0.000	0.02		
7.007	S8147	49	95.468	-0.412	0.000	0.10		
7.008	S8150	49	95.160	-0.385	0.000	0.16		
7.009	S8149	49	95.029	-0.337	0.000	0.28		
11.000	S5037	50	95.181	-0.199	0.000	0.03		
11.001	S5038	50	94.974	-0.259	0.000	0.04		
11.002	S5039	49	94.915	-0.240	0.000	0.05		
12.000	S5040	50	95.209	-0.173	0.000	0.12		
7.010	S5041	49	94.898	-0.405	0.000	0.12		
7.011	S5042	49	94.444	-0.411	0.000	0.11		
7.012	S5047	53	93.666	-0.354	0.000	0.21		
7.013	S8167	44	93.665	-0.191	0.000	0.24		
7.014	S5048 - Headwall	43	93.663	-0.212	0.000	0.26		
1.018	S5049 - Headwall	38	93.662	-0.288	0.000	0.32		
1.019	S5050 Control Chamber	26	93.661	0.211	0.000	0.13		
					</			

JS Bloor (Wilmslow) Ltd			Page 230
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 13.0	OK
7.002		S8137 18.6	OK
7.003		S8161 20.3	OK
8.000		S8151 5.2	OK
7.004		S8162 29.8	OK
7.005		S8152 33.2	OK
9.000		S8144 1.8	OK
9.001		S8145 4.5	OK
7.006		S8146 40.4	OK
10.000		S8165 1.1	OK
10.001		S8164 2.8	OK
7.007		S8147 46.2	OK
7.008		S8150 46.7	OK
7.009		S8149 52.2	OK
11.000		S5037 1.2	OK
11.001		S5038 2.7	OK
11.002		S5039 2.9	OK
12.000		S5040 4.6	OK
7.010		S5041 61.2	OK
7.011		S5042 63.1	OK
7.012		S5047 66.8	OK
7.013		S8167 66.7	OK
7.014	S5048 - Headwall	66.8	OK
1.018	S5049 - Headwall	159.2	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 232	
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			
Designed by d_southa Checked by			
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 3.0	OK
2.000		S8133 2.3	OK
1.001		S8134 8.1	OK
1.002		S8141 11.4	OK
1.003		S8139 12.2	OK
1.004		S8140 16.9	OK
1.005		S4008 20.1	OK
1.006		S4011 20.8	OK
1.007		S4012 24.5	OK
3.000		S8157 2.2	OK
3.001		S8159 5.0	OK
3.002		S8154 9.6	OK
3.003		S8155 12.7	OK
1.008		S5015 41.0	OK
1.009		S5016 41.0	OK
1.010	S5017 - PH4 Connection	44.6	OK
4.000		S5018 2.0	OK
1.011		S5019 47.4	OK
1.012	S5020 PH5 Connection	49.0	OK
1.013		S5021 51.6	OK
5.000		S5023 5.6	OK
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 233	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5</u>								
				Water	Surcharged	Flooded		Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	54	93.768	-0.392	0.000	0.04		
6.000	S5026	53	94.321	-0.271	0.000	0.02		
6.001	S5027	54	93.809	-0.326	0.000	0.04		
5.002	S5028	49	93.675	-0.342	0.000	0.09		
1.014	S5029	48	93.675	-0.296	0.000	0.27		
1.015	S5030	46	93.673	-0.254	0.000	0.28		
1.016	S8121	42	93.672	-0.215	0.000	0.32		
1.017	S5036 - Headwall	40	93.671	-0.654	0.000	0.07		
7.000	S8135	53	96.235	-0.380	0.000	0.04		
7.001	S8136	53	96.187	-0.356	0.000	0.08		
7.002	S8137	53	96.132	-0.342	0.000	0.12		
7.003	S8161	53	96.073	-0.341	0.000	0.12		
8.000	S8151	53	96.210	-0.247	0.000	0.07		
7.004	S8162	53	95.995	-0.344	0.000	0.13		
7.005	S8152	53	95.790	-0.410	0.000	0.11		
9.000	S8144	53	96.277	-0.273	0.000	0.02		
9.001	S8145	53	96.033	-0.342	0.000	0.02		
7.006	S8146	53	95.674	-0.416	0.000	0.10		
10.000	S8165	53	95.557	-0.438	0.000	0.01		
10.001	S8164	53	95.462	-0.450	0.000	0.01		
7.007	S8147	53	95.459	-0.421	0.000	0.09		
7.008	S8150	53	95.148	-0.397	0.000	0.14		
7.009	S8149	53	95.012	-0.353	0.000	0.23		
11.000	S5037	53	95.179	-0.200	0.000	0.03		
11.001	S5038	53	94.970	-0.263	0.000	0.04		
11.002	S5039	53	94.908	-0.248	0.000	0.04		
12.000	S5040	53	95.205	-0.177	0.000	0.10		
7.010	S5041	53	94.889	-0.414	0.000	0.10		
7.011	S5042	53	94.436	-0.419	0.000	0.09		
7.012	S5047	49	93.675	-0.345	0.000	0.18		
7.013	S8167	42	93.673	-0.182	0.000	0.20		
7.014	S5048 - Headwall	41	93.672	-0.203	0.000	0.22		
1.018	S5049 - Headwall	36	93.671	-0.279	0.000	0.26		
1.019	S5050 Control Chamber	23	93.670	0.220	0.000	0.13		

JS Bloor (Wilmslow) Ltd			Page 234	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
7.001		S8136 10.9	OK	
7.002		S8137 15.6	OK	
7.003		S8161 17.1	OK	
8.000		S8151 4.4	OK	
7.004		S8162 25.1	OK	
7.005		S8152 27.9	OK	
9.000		S8144 1.5	OK	
9.001		S8145 3.8	OK	
7.006		S8146 34.0	OK	
10.000		S8165 0.9	OK	
10.001		S8164 2.3	OK	
7.007		S8147 38.8	OK	
7.008		S8150 39.3	OK	
7.009		S8149 43.9	OK	
11.000		S5037 1.0	OK	
11.001		S5038 2.3	OK	
11.002		S5039 2.4	OK	
12.000		S5040 3.9	OK	
7.010		S5041 51.4	OK	
7.011		S5042 53.0	OK	
7.012		S5047 56.2	OK	
7.013		S8167 56.1	OK	
7.014	S5048 - Headwall	56.0	OK	
1.018	S5049 - Headwall	131.2	OK	
1.019	S5050 Control Chamber	12.3	SURCHARGED	
©1982-2020 Innovyze				

Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
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	3
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

```
Margin for Flood Risk Warning (mm) 300.0      DVD Status OFF
      Analysis Timestep   Fine Inertia Status OFF
      DTS 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)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain
			Level (m)	Depth (m)	Volume (m³)	Time (mins)			
1.000		S8142	58	96.764	-0.351	0.000	0.01		
2.000		S8133	58	97.428	-0.282	0.000	0.01		
1.001		S8134	58	96.156	-0.394	0.000	0.04		
1.002		S8141	58	95.981	-0.464	0.000	0.03		
1.003		S8139	58	95.787	-0.468	0.000	0.03		
1.004		S8140	58	95.388	-0.457	0.000	0.04		
1.005		S4008	58	95.215	-0.411	0.000	0.11		
1.006		S4011	58	95.132	-0.457	0.000	0.04		
1.007		S4012	58	94.648	-0.437	0.000	0.07		
3.000		S8157	58	95.943	-0.362	0.000	0.01		
3.001		S8159	58	95.074	-0.406	0.000	0.02		
3.002		S8154	58	94.874	-0.466	0.000	0.03		
3.003		S8155	58	94.696	-0.469	0.000	0.03		
1.008		S5015	58	94.443	-0.402	0.000	0.13		
1.009		S5016	58	94.289	-0.416	0.000	0.10		
1.010	S5017 - PH4 Connection		58	94.126	-0.349	0.000	0.19		
4.000		S5018	58	95.116	-0.288	0.000	0.01		
1.011		S5019	58	94.076	-0.329	0.000	0.26		
1.012	S5020 PH5 Connection		58	94.035	-0.405	0.000	0.23		
1.013		S5021	58	93.838	-0.492	0.000	0.07		
5.000		S5023	58	94.110	-0.410	0.000	0.02		

JS Bloor (Wilmslow) Ltd			Page 236	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 2.6	OK	
2.000		S8133 2.0	OK	
1.001		S8134 7.0	OK	
1.002		S8141 9.9	OK	
1.003		S8139 10.6	OK	
1.004		S8140 14.6	OK	
1.005		S4008 17.4	OK	
1.006		S4011 18.0	OK	
1.007		S4012 21.3	OK	
3.000		S8157 1.9	OK	
3.001		S8159 4.4	OK	
3.002		S8154 8.3	OK	
3.003		S8155 11.0	OK	
1.008		S5015 35.5	OK	
1.009		S5016 35.5	OK	
1.010	S5017 - PH4 Connection	38.7	OK	
4.000		S5018 1.8	OK	
1.011		S5019 41.1	OK	
1.012	S5020 PH5 Connection	42.4	OK	
1.013		S5021 44.7	OK	
5.000		S5023 4.8	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd

Page 237

Dean Court

85 Adllington Road

Wilmslow SK9 1BT

Date 03/01/2025 11:46

Designed by d_southa

File NET 5 SAVE AS. 24.12.24...

Checked by

Elstree Computing Ltd

Network 2020.1.3

Micro Drainage

Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume		Half Drain Time (mins)
				(m)	(m)	(m³)	Flow / Cap.	Overflow (l/s)	
5.001	S5025	58	93.764	-0.396	0.000	0.04			
6.000	S5026	58	94.317	-0.275	0.000	0.02			
6.001	S5027	58	93.806	-0.329	0.000	0.04			
5.002	S5028	47	93.679	-0.337	0.000	0.08			
1.014	S5029	46	93.679	-0.292	0.000	0.23			
1.015	S5030	44	93.677	-0.250	0.000	0.24			
1.016	S8121	39	93.676	-0.211	0.000	0.27			
1.017	S5036 - Headwall	38	93.675	-0.650	0.000	0.06			
7.000	S8135	58	96.230	-0.386	0.000	0.04			
7.001	S8136	58	96.181	-0.362	0.000	0.07			
7.002	S8137	58	96.124	-0.349	0.000	0.10			
7.003	S8161	58	96.066	-0.348	0.000	0.11			
8.000	S8151	58	96.206	-0.251	0.000	0.06			
7.004	S8162	58	95.988	-0.351	0.000	0.11			
7.005	S8152	58	95.783	-0.417	0.000	0.10			
9.000	S8144	58	96.273	-0.277	0.000	0.02			
9.001	S8145	58	96.028	-0.347	0.000	0.02			
7.006	S8146	58	95.666	-0.424	0.000	0.08			
10.000	S8165	58	95.555	-0.440	0.000	0.00			
10.001	S8164	58	95.453	-0.458	0.000	0.01			
7.007	S8147	58	95.450	-0.430	0.000	0.08			
7.008	S8150	58	95.139	-0.406	0.000	0.12			
7.009	S8149	58	95.000	-0.365	0.000	0.20			
11.000	S5037	58	95.178	-0.202	0.000	0.02			
11.001	S5038	58	94.968	-0.265	0.000	0.03			
11.002	S5039	58	94.902	-0.253	0.000	0.03			
12.000	S5040	58	95.202	-0.180	0.000	0.09			
7.010	S5041	58	94.882	-0.421	0.000	0.09			
7.011	S5042	58	94.427	-0.428	0.000	0.08			
7.012	S5047	47	93.679	-0.341	0.000	0.16			
7.013	S8167	40	93.678	-0.178	0.000	0.18			
7.014	S5048 - Headwall	38	93.677	-0.198	0.000	0.19			
1.018	S5049 - Headwall	34	93.676	-0.274	0.000	0.22			
1.019	S5050 Control Chamber	21	93.674	0.224	0.000	0.13			

PN	US/MH Name	Pipe Flow (l/s)	Status
5.001	S5025	7.8	OK
6.000	S5026	1.9	OK
6.001	S5027	4.8	OK
5.002	S5028	13.9	OK
1.014	S5029	60.5	OK
1.015	S5030	60.9	OK
1.016	S8121	63.0	OK
1.017	S5036 - Headwall	66.5	OK*
7.000	S8135	5.1	OK

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd			Page 238
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 9.4	OK
7.002		S8137 13.5	OK
7.003		S8161 14.8	OK
8.000		S8151 3.8	OK
7.004		S8162 21.7	OK
7.005		S8152 24.2	OK
9.000		S8144 1.3	OK
9.001		S8145 3.3	OK
7.006		S8146 29.4	OK
10.000		S8165 0.8	OK
10.001		S8164 2.0	OK
7.007		S8147 33.6	OK
7.008		S8150 34.0	OK
7.009		S8149 38.1	OK
11.000		S5037 0.9	OK
11.001		S5038 2.0	OK
11.002		S5039 2.1	OK
12.000		S5040 3.4	OK
7.010		S5041 44.6	OK
7.011		S5042 46.0	OK
7.012		S5047 48.7	OK
7.013		S8167 48.6	OK
7.014	S5048 - Headwall	48.5	OK
1.018	S5049 - Headwall	112.3	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000	S8142	2.1	OK
2.000	S8133	1.6	OK
1.001	S8134	5.6	OK
1.002	S8141	7.9	OK
1.003	S8139	8.5	OK
1.004	S8140	11.7	OK
1.005	S4008	13.9	OK
1.006	S4011	14.3	OK
1.007	S4012	16.9	OK
3.000	S8157	1.5	OK
3.001	S8159	3.5	OK
3.002	S8154	6.7	OK
3.003	S8155	8.8	OK
1.008	S5015	28.3	OK
1.009	S5016	28.3	OK
1.010	S5017 - PH4 Connection	30.8	OK
4.000	S5018	1.4	OK
1.011	S5019	32.8	OK
1.012	S5020 PH5 Connection	33.8	OK
1.013	S5021	35.7	OK
5.000	S5023	3.9	OK

JS Bloor (Wilmslow) Ltd		Page 241
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	60 93.760	-0.400	0.000	0.03		
6.000		S5026	60 94.312	-0.280	0.000	0.01		
6.001		S5027	60 93.802	-0.333	0.000	0.03		
5.002		S5028	48 93.676	-0.341	0.000	0.06		
1.014		S5029	47 93.676	-0.295	0.000	0.18		
1.015		S5030	45 93.675	-0.253	0.000	0.19		
1.016		S8121	40 93.673	-0.214	0.000	0.22		
1.017	S5036 - Headwall	39 93.673	-0.652	0.000	0.05			
7.000		S8135	60 96.222	-0.393	0.000	0.03		
7.001		S8136	60 96.170	-0.373	0.000	0.05		
7.002		S8137	60 96.115	-0.359	0.000	0.08		
7.003		S8161	60 96.056	-0.358	0.000	0.08		
8.000		S8151	60 96.200	-0.257	0.000	0.05		
7.004		S8162	60 95.979	-0.360	0.000	0.09		
7.005		S8152	60 95.770	-0.430	0.000	0.08		
9.000		S8144	60 96.269	-0.281	0.000	0.01		
9.001		S8145	60 96.023	-0.352	0.000	0.01		
7.006		S8146	60 95.653	-0.437	0.000	0.07		
10.000		S8165	60 95.553	-0.442	0.000	0.00		
10.001		S8164	60 95.442	-0.469	0.000	0.01		
7.007		S8147	60 95.438	-0.442	0.000	0.06		
7.008		S8150	60 95.127	-0.418	0.000	0.09		
7.009		S8149	60 94.981	-0.384	0.000	0.16		
11.000		S5037	60 95.175	-0.205	0.000	0.02		
11.001		S5038	60 94.965	-0.268	0.000	0.03		
11.002		S5039	60 94.895	-0.261	0.000	0.03		
12.000		S5040	60 95.196	-0.186	0.000	0.07		
7.010		S5041	60 94.868	-0.435	0.000	0.07		
7.011		S5042	60 94.415	-0.440	0.000	0.06		
7.012		S5047	48 93.676	-0.344	0.000	0.12		
7.013		S8167	41 93.675	-0.181	0.000	0.14		
7.014	S5048 - Headwall	40 93.674	-0.201	0.000	0.15			
1.018	S5049 - Headwall	35 93.673	-0.277	0.000	0.18			
1.019	S5050 Control Chamber	22 93.672	0.222	0.000	0.13			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	6.3	OK
6.000		S5026	1.5	OK
6.001		S5027	3.8	OK
5.002		S5028	11.1	OK
1.014		S5029	48.3	OK
1.015		S5030	48.6	OK
1.016		S8121	50.3	OK
1.017	S5036 - Headwall	53.1		OK*
7.000		S8135	4.0	OK

JS Bloor (Wilmslow) Ltd			Page 242
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 7.5	OK
7.002		S8137 10.8	OK
7.003		S8161 11.8	OK
8.000		S8151 3.0	OK
7.004		S8162 17.3	OK
7.005		S8152 19.3	OK
9.000		S8144 1.1	OK
9.001		S8145 2.6	OK
7.006		S8146 23.5	OK
10.000		S8165 0.6	OK
10.001		S8164 1.6	OK
7.007		S8147 26.8	OK
7.008		S8150 27.1	OK
7.009		S8149 30.4	OK
11.000		S5037 0.7	OK
11.001		S5038 1.6	OK
11.002		S5039 1.7	OK
12.000		S5040 2.7	OK
7.010		S5041 35.6	OK
7.011		S5042 36.7	OK
7.012		S5047 38.9	OK
7.013		S8167 38.8	OK
7.014	S5048 - Headwall	38.7	OK
1.018	S5049 - Headwall	89.6	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 243	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
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		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales Cv (Summer)		0.750						
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						
</								

JS Bloor (Wilmslow) Ltd			Page 244	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5</u>				
PN	US/MH Name	Pipe Flow (l/s)	Status	
1.000		S8142 1.5	OK	
2.000		S8133 1.2	OK	
1.001		S8134 4.1	OK	
1.002		S8141 5.7	OK	
1.003		S8139 6.1	OK	
1.004		S8140 8.5	OK	
1.005		S4008 10.1	OK	
1.006		S4011 10.4	OK	
1.007		S4012 12.3	OK	
3.000		S8157 1.1	OK	
3.001		S8159 2.5	OK	
3.002		S8154 4.8	OK	
3.003		S8155 6.4	OK	
1.008		S5015 20.5	OK	
1.009		S5016 20.5	OK	
1.010	S5017 - PH4 Connection	22.4	OK	
4.000		S5018 1.0	OK	
1.011		S5019 23.8	OK	
1.012	S5020 PH5 Connection	24.6	OK	
1.013		S5021 25.9	OK	
5.000		S5023 2.8	OK	
©1982-2020 Innovyze				

JS Bloor (Wilmslow) Ltd		Page 245
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	66 93.754	-0.406	0.000	0.02	
6.000		S5026	66 94.306	-0.285	0.000	0.01	
6.001		S5027	66 93.797	-0.338	0.000	0.02	
5.002		S5028	54 93.665	-0.351	0.000	0.05	
1.014		S5029	51 93.665	-0.305	0.000	0.13	
1.015		S5030	48 93.664	-0.263	0.000	0.14	
1.016		S8121	43 93.663	-0.224	0.000	0.16	
1.017	S5036 - Headwall	42 93.662	-0.663	0.000	0.03		
7.000		S8135	66 96.214	-0.401	0.000	0.02	
7.001		S8136	66 96.156	-0.386	0.000	0.04	
7.002		S8137	66 96.099	-0.375	0.000	0.06	
7.003		S8161	66 96.040	-0.374	0.000	0.06	
8.000		S8151	66 96.194	-0.263	0.000	0.04	
7.004		S8162	66 95.963	-0.377	0.000	0.06	
7.005		S8152	66 95.754	-0.446	0.000	0.06	
9.000		S8144	66 96.263	-0.287	0.000	0.01	
9.001		S8145	66 96.016	-0.359	0.000	0.01	
7.006		S8146	66 95.639	-0.451	0.000	0.05	
10.000		S8165	66 95.551	-0.444	0.000	0.00	
10.001		S8164	66 95.430	-0.481	0.000	0.01	
7.007		S8147	66 95.425	-0.455	0.000	0.04	
7.008		S8150	66 95.109	-0.436	0.000	0.07	
7.009		S8149	66 94.960	-0.406	0.000	0.12	
11.000		S5037	66 95.169	-0.211	0.000	0.01	
11.001		S5038	66 94.959	-0.274	0.000	0.02	
11.002		S5039	66 94.888	-0.268	0.000	0.02	
12.000		S5040	66 95.190	-0.193	0.000	0.05	
7.010		S5041	66 94.853	-0.450	0.000	0.05	
7.011		S5042	66 94.401	-0.454	0.000	0.05	
7.012		S5047	54 93.665	-0.355	0.000	0.09	
7.013		S8167	45 93.664	-0.191	0.000	0.10	
7.014	S5048 - Headwall	44 93.663	-0.212	0.000	0.11		
1.018	S5049 - Headwall	37 93.662	-0.288	0.000	0.13		
1.019	S5050 Control Chamber	25 93.661	0.211	0.000	0.13		

PN	US/MH Name	Pipe Flow	
		(l/s)	Status
5.001		S5025 4.5	OK
6.000		S5026 1.1	OK
6.001		S5027 2.8	OK
5.002		S5028 8.1	OK
1.014		S5029 35.1	OK
1.015		S5030 35.3	OK
1.016		S8121 36.5	OK
1.017	S5036 - Headwall	38.6	OK*
7.000		S8135 2.9	OK

JS Bloor (Wilmslow) Ltd			Page 246
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 5.5	OK
7.002		S8137 7.8	OK
7.003		S8161 8.6	OK
8.000		S8151 2.2	OK
7.004		S8162 12.6	OK
7.005		S8152 14.0	OK
9.000		S8144 0.8	OK
9.001		S8145 1.9	OK
7.006		S8146 17.0	OK
10.000		S8165 0.5	OK
10.001		S8164 1.2	OK
7.007		S8147 19.5	OK
7.008		S8150 19.7	OK
7.009		S8149 22.1	OK
11.000		S5037 0.5	OK
11.001		S5038 1.1	OK
11.002		S5039 1.2	OK
12.000		S5040 1.9	OK
7.010		S5041 25.8	OK
7.011		S5042 26.7	OK
7.012		S5047 28.3	OK
7.013		S8167 28.2	OK
7.014	S5048 - Headwall	28.1	OK
1.018	S5049 - Headwall	65.1	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 247
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3
 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 0.413
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS 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) 1, 30, 100
 Climate Change (%) 0, 0, 40

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Half Drain		
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
1.000	S8142	1	97.655	0.540	0.000	0.31		
2.000	S8133	1	97.669	-0.041	0.000	0.29		
1.001	S8134	1	97.619	1.069	0.000	0.78		
1.002	S8141	1	97.589	1.144	0.000	0.64		
1.003	S8139	1	97.546	1.291	0.000	0.47		
1.004	S8140	1	97.491	1.646	0.000	0.57		
1.005	S4008	1	97.446	1.820	0.000	1.56		
1.006	S4011	1	97.392	1.803	0.000	0.52		
1.007	S4012	1	97.275	2.190	0.000	0.79		
3.000	S8157	1	97.133	0.828	0.000	0.16		
3.001	S8159	1	97.105	1.625	6.854	0.40		
3.002	S8154	1	97.152	1.812	0.000	0.47		
3.003	S8155	1	97.150	1.985	0.000	0.34		
1.008	S5015	1	97.133	2.288	0.000	1.48		
1.009	S5016	1	96.888	2.183	0.000	1.13		
1.010	S5017 - PH4 Connection	1	96.629	2.154	0.000	2.20		
4.000	S5018	1	96.321	0.917	0.000	0.19		
1.011	S5019	1	96.292	1.887	0.000	3.01		

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 57.9	SURCHARGED
2.000		S8133 45.5	OK
1.001		S8134 142.0	SURCHARGED
1.002		S8141 195.9	SURCHARGED
1.003		S8139 179.3	SURCHARGED
1.004		S8140 206.1	FLOOD RISK
1.005		S4008 253.8	FLOOD RISK
1.006		S4011 225.2	SURCHARGED
1.007		S4012 249.7	FLOOD RISK
3.000		S8157 39.4	SURCHARGED
3.001		S8159 84.6	FLOOD
3.002		S8154 134.5	FLOOD RISK
3.003		S8155 146.8	FLOOD RISK
1.008		S5015 419.2	SURCHARGED
1.009		S5016 414.5	SURCHARGED
1.010	S5017 - PH4 Connection	454.6	SURCHARGED
4.000		S5018 37.9	FLOOD RISK
1.011		S5019 477.8	SURCHARGED

JS Bloor (Wilmslow) Ltd

Page 249

Dean Court

85 Adllington Road

Wilmslow SK9 1BT

Date 03/01/2025 11:46

File NET 5 SAVE AS. 24.12.24...

Designed by d_southa

Checked by

Elstree Computing Ltd

Network 2020.1.3

Micro Drainage

Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5

			Water	Surcharged	Flooded		Half Drain
PN	US/MH	Storm	Level	Depth	Volume	Flow /	Time
	Name	Rank	(m)	(m)	(m³)	Cap.	(mins)
1.012	S5020 PH5 Connection	1	95.896	1.456	0.000	2.70	
1.013	S5021	1	95.651	1.321	0.000	0.86	
5.000	S5023	1	95.482	0.962	0.000	0.38	
5.001	S5025	1	95.438	1.278	2.661	0.68	
6.000	S5026	1	95.505	0.913	0.000	0.36	
6.001	S5027	1	95.455	1.320	0.000	0.65	
5.002	S5028	1	95.411	1.395	0.802	1.49	
1.014	S5029	1	95.379	1.409	0.000	2.88	
1.015	S5030	1	95.123	1.196	0.000	2.99	
1.016	S8121	1	94.842	0.955	0.000	3.35	
1.017	S5036 - Headwall	4	94.325	0.000	0.000	0.68	
7.000	S8135	1	97.324	0.709	0.000	1.00	
7.001	S8136	1	97.348	0.806	0.000	1.05	
7.002	S8137	1	97.369	0.895	0.000	1.14	
7.003	S8161	1	97.353	0.940	0.000	1.14	
8.000	S8151	1	97.545	1.088	0.000	1.29	
7.004	S8162	1	97.328	0.989	0.000	1.48	
7.005	S8152	1	97.155	0.955	0.000	1.27	
9.000	S8144	1	97.085	0.535	0.000	0.34	
9.001	S8145	1	97.056	0.681	0.000	0.33	
7.006	S8146	1	97.023	0.933	0.000	1.12	
10.000	S8165	1	96.822	0.827	0.000	0.08	
10.001	S8164	1	96.817	0.906	0.000	0.18	
7.007	S8147	1	96.811	0.931	0.000	1.02	
7.008	S8150	1	96.551	1.006	0.000	1.53	
7.009	S8149	2	96.319	0.953	0.000	2.00	
11.000	S5037	2	96.156	0.777	0.000	0.47	
11.001	S5038	1	96.141	0.907	0.000	0.57	
11.002	S5039	1	96.126	0.970	0.000	0.50	
12.000	S5040	1	96.512	1.129	0.887	1.68	
7.010	S5041	1	96.111	0.808	0.000	0.85	
7.011	S5042	1	95.807	0.952	0.000	0.77	
7.012	S5047	1	95.347	1.327	0.000	1.57	
7.013	S8167	1	94.996	1.140	0.000	1.75	
7.014	S5048 - Headwall	1	94.646	0.771	0.000	1.82	
1.018	S5049 - Headwall	1	94.479	0.529	0.000	2.42	
1.019	S5050 Control Chamber	39	93.555	0.105	0.000	0.13	

PN	US/MH	Pipe	Status
	Name	Flow	
		(l/s)	
1.012	S5020 PH5 Connection	493.7	FLOOD RISK
1.013	S5021	518.3	FLOOD RISK
5.000	S5023	97.0	SURCHARGED
5.001	S5025	151.8	FLOOD
6.000	S5026	38.3	SURCHARGED
6.001	S5027	84.9	FLOOD RISK

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd			Page 250
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
5.002	S5028	254.1	FLOOD
1.014	S5029	758.3	FLOOD RISK
1.015	S5030	747.6	SURCHARGED
1.016	S8121	770.9	SURCHARGED
1.017	S5036 - Headwall	762.1	SURCHARGED*
7.000	S8135	139.3	SURCHARGED
7.001	S8136	145.8	SURCHARGED
7.002	S8137	154.0	SURCHARGED
7.003	S8161	160.0	SURCHARGED
8.000	S8151	78.2	SURCHARGED
7.004	S8162	291.4	SURCHARGED
7.005	S8152	323.9	SURCHARGED
9.000	S8144	27.4	SURCHARGED
9.001	S8145	68.3	SURCHARGED
7.006	S8146	394.1	SURCHARGED
10.000	S8165	13.3	SURCHARGED
10.001	S8164	30.8	SURCHARGED
7.007	S8147	454.7	SURCHARGED
7.008	S8150	443.8	SURCHARGED
7.009	S8149	374.1	FLOOD RISK
11.000	S5037	17.4	FLOOD RISK
11.001	S5038	35.6	SURCHARGED
11.002	S5039	30.8	FLOOD RISK
12.000	S5040	64.6	FLOOD
7.010	S5041	436.5	FLOOD RISK
7.011	S5042	451.1	FLOOD RISK
7.012	S5047	488.2	FLOOD RISK
7.013	S8167	483.8	FLOOD RISK
7.014	S5048 - Headwall	463.6	FLOOD RISK
1.018	S5049 - Headwall	1216.3	FLOOD RISK
1.019	S5050 Control Chamber	12.0	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 251
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 3
 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 0.413
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS 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) 1, 30, 100
 Climate Change (%) 0, 0, 40

WARNING: The analysis maybe unstable. Please see the method of analysis help for more details.

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
1.000	S8142	2	97.417	0.302	0.000	0.25		
2.000	S8133	4	97.508	-0.202	0.000	0.23		
1.001	S8134	2	97.389	0.839	0.000	0.67		
1.002	S8141	2	97.365	0.920	0.000	0.55		
1.003	S8139	2	97.330	1.075	0.000	0.40		
1.004	S8140	2	97.285	1.440	0.000	0.50		
1.005	S4008	2	97.246	1.620	0.000	1.43		
1.006	S4011	2	97.202	1.613	0.000	0.48		
1.007	S4012	2	97.100	2.015	0.000	0.73		
3.000	S8157	2	97.075	0.770	0.000	0.13		
3.001	S8159	2	97.056	1.576	0.000	0.31		
3.002	S8154	2	97.037	1.697	0.000	0.38		
3.003	S8155	2	97.006	1.841	0.000	0.32		
1.008	S5015	2	96.976	2.131	0.000	1.35		
1.009	S5016	2	96.714	2.009	0.000	1.05		
1.010	S5017 - PH4 Connection	2	96.463	1.988	0.000	2.03		
4.000	S5018	2	96.189	0.785	0.000	0.15		
1.011	S5019	2	96.164	1.759	0.000	2.82		

JS Bloor (Wilmslow) Ltd							Page 253	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 5								

JS Bloor (Wilmslow) Ltd			Page 254
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
5.002	S5028	207.8	FLOOD
1.014	S5029	695.5	FLOOD RISK
1.015	S5030	698.6	SURCHARGED
1.016	S8121	725.0	SURCHARGED
1.017	S5036 - Headwall	747.5	SURCHARGED*
7.000	S8135	109.9	SURCHARGED
7.001	S8136	129.3	SURCHARGED
7.002	S8137	148.2	SURCHARGED
7.003	S8161	155.1	SURCHARGED
8.000	S8151	63.3	SURCHARGED
7.004	S8162	258.5	SURCHARGED
7.005	S8152	287.5	SURCHARGED
9.000	S8144	23.0	SURCHARGED
9.001	S8145	54.3	SURCHARGED
7.006	S8146	340.6	SURCHARGED
10.000	S8165	10.5	SURCHARGED
10.001	S8164	29.8	SURCHARGED
7.007	S8147	393.8	SURCHARGED
7.008	S8150	395.0	SURCHARGED
7.009	S8149	368.3	FLOOD RISK
11.000	S5037	14.0	FLOOD RISK
11.001	S5038	27.3	SURCHARGED
11.002	S5039	24.8	FLOOD RISK
12.000	S5040	52.7	FLOOD RISK
7.010	S5041	422.9	FLOOD RISK
7.011	S5042	433.4	FLOOD RISK
7.012	S5047	463.3	FLOOD RISK
7.013	S8167	461.5	FLOOD RISK
7.014	S5048 - Headwall	457.3	FLOOD RISK
1.018	S5049 - Headwall	1203.3	FLOOD RISK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 257	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
Summary Wizard of 60 minute 100 year Winter I+40% for Surface Network 5								
			Water	Surcharged	Flooded			Half Drain
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Time
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(mins)
5.001	S5025	6	95.021	0.861	0.000	0.39		
6.000	S5026	6	95.048	0.457	0.000	0.19		
6.001	S5027	6	95.020	0.885	0.000	0.39		
5.002	S5028	6	94.991	0.975	0.000	0.88		
1.014	S5029	6	94.952	0.982	0.000	2.11		
1.015	S5030	6	94.756	0.829	0.000	2.25		
1.016	S8121	6	94.560	0.673	0.000	2.54		
1.017	S5036 - Headwall	5	94.325	0.000	0.000	0.55		
7.000	S8135	6	96.694	0.079	0.000	0.48		
7.001	S8136	6	96.678	0.135	0.000	0.70		
7.002	S8137	6	96.647	0.174	0.000	0.98		
7.003	S8161	6	96.601	0.187	0.000	1.03		
8.000	S8151	6	96.591	0.134	0.000	0.72		
7.004	S8162	6	96.540	0.201	0.000	1.10		
7.005	S8152	6	96.404	0.204	0.000	0.91		
9.000	S8144	6	96.379	-0.171	0.000	0.19		
9.001	S8145	6	96.364	-0.011	0.000	0.19		
7.006	S8146	6	96.347	0.257	0.000	0.79		
10.000	S8165	6	96.240	0.245	0.000	0.05		
10.001	S8164	6	96.237	0.326	0.000	0.16		
7.007	S8147	6	96.234	0.354	0.000	0.71		
7.008	S8150	6	96.087	0.542	0.000	1.09		
7.009	S8149	6	95.897	0.532	0.000	1.79		
11.000	S5037	6	95.757	0.378	0.000	0.26		
11.001	S5038	6	95.739	0.506	0.000	0.32		
11.002	S5039	6	95.722	0.566	0.000	0.31		
12.000	S5040	6	95.916	0.534	0.000	0.95		
7.010	S5041	6	95.704	0.401	0.000	0.76		
7.011	S5042	6	95.447	0.592	0.000	0.68		
7.012	S5047	6	95.057	1.037	0.000	1.36		
7.013	S8167	6	94.751	0.896	0.000	1.52		
7.014	S5048 - Headwall	6	94.446	0.571	0.000	1.66		
1.018	S5049 - Headwall	6	94.299	0.349	0.000	2.06		
1.019	S5050 Control Chamber	19	93.775	0.325	0.000	0.13		
	</							

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 60 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	96.5	SURCHARGED
7.002	S8137	132.4	SURCHARGED
7.003	S8161	144.1	SURCHARGED
8.000	S8151	43.7	SURCHARGED
7.004	S8162	217.3	SURCHARGED
7.005	S8152	232.2	SURCHARGED
9.000	S8144	15.8	OK
9.001	S8145	38.9	OK
7.006	S8146	277.1	SURCHARGED
10.000	S8165	8.2	SURCHARGED
10.001	S8164	28.0	SURCHARGED
7.007	S8147	314.4	SURCHARGED
7.008	S8150	317.1	SURCHARGED
7.009	S8149	335.5	SURCHARGED
11.000	S5037	9.5	SURCHARGED
11.001	S5038	20.0	SURCHARGED
11.002	S5039	19.2	SURCHARGED
12.000	S5040	36.4	SURCHARGED
7.010	S5041	388.6	SURCHARGED
7.011	S5042	399.7	SURCHARGED
7.012	S5047	423.1	SURCHARGED
7.013	S8167	422.6	SURCHARGED
7.014	S5048 - Headwall	421.9	FLOOD RISK
1.018	S5049 - Headwall	1034.5	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED



Micro
Drainage

Designed by d_southa

Checked by

Network 2020.1.3

		US/MH	Pipe Flow (l/s)	Status
	PN	Name		
	1.000		S8142 18.8	OK
	2.000		S8133 14.6	OK
	1.001		S8134 51.0	OK
	1.002		S8141 72.0	OK
	1.003		S8139 77.1	OK
	1.004		S8140 106.3	OK
	1.005		S4008 126.4	OK
	1.006		S4011 130.6	OK
	1.007		S4012 149.3	OK
	3.000		S8157 13.8	OK
	3.001		S8159 31.7	OK
	3.002		S8154 60.3	OK
	3.003		S8155 74.7	OK
	1.008		S5015 242.2	SURCHARGED
	1.009		S5016 242.0	SURCHARGED
	1.010	S5017 - PH4 Connection	263.1	SURCHARGED
	4.000		S5018 12.9	OK
	1.011		S5019 279.8	SURCHARGED
	1.012	S5020 PH5 Connection	288.8	SURCHARGED
	1.013		S5021 303.6	SURCHARGED
	5.000		S5023 34.3	OK

JS Bloor (Wilmslow) Ltd							Page 261	
Dean Court 85 Adllington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...			Designed by d_southa Checked by					
Elstree Computing Ltd			Network 2020.1.3					
<u>Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5</u>								
					</			

JS Bloor (Wilmslow) Ltd			Page 262
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	67.0	OK
7.002	S8137	96.2	OK
7.003	S8161	104.7	OK
8.000	S8151	27.6	OK
7.004	S8162	154.4	OK
7.005	S8152	171.8	OK
9.000	S8144	9.8	OK
9.001	S8145	23.9	OK
7.006	S8146	209.5	OK
10.000	S8165	5.8	OK
10.001	S8164	14.4	OK
7.007	S8147	239.1	OK
7.008	S8150	240.6	OK
7.009	S8149	270.6	SURCHARGED
11.000	S5037	6.3	OK
11.001	S5038	14.1	OK
11.002	S5039	14.8	OK
12.000	S5040	24.4	OK
7.010	S5041	316.0	OK
7.011	S5042	325.8	SURCHARGED
7.012	S5047	343.4	SURCHARGED
7.013	S8167	343.2	SURCHARGED
7.014	S5048 - Headwall	340.7	SURCHARGED
1.018	S5049 - Headwall	792.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 263																		
Dean Court 85 Adlington Road Wilmslow SK9 1BT																									
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by																					
Elstree Computing Ltd				Network 2020.1.3																					
<u>Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5</u>																									
<u>Simulation Criteria</u>																									
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000																			
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000																			
Hot Start Level (mm)		0		Inlet Coefficient		0.800																			
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000																			
Foul Sewage per hectare (l/s)		0.000																							
Number of Input Hydrographs				0		Number of Storage Structures		3																	
Number of Online Controls				1		Number of Time/Area Diagrams		0																	
Number of Offline Controls				0		Number of Real Time Controls		0																	
<u>Synthetic Rainfall Details</u>																									
Rainfall Model		FSR		Ratio R		0.413																			
Region England and Wales		Cv (Summer)		0.750																					
M5-60 (mm)		19.500		Cv (Winter)		0.840																			
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF																	
Analysis Timestep				Fine		Inertia Status		OFF																	
DTS 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)		1, 30, 100																							
Climate Change (%)		0, 0, 40																							
<table><tr><th rowspan="2">PN</th><th rowspan="2">US/MH Name</th><th rowspan="2">Storm Rank</th><th colspan="2">Water Level</th><th colspan="2">Surcharged Depth</th><th colspan="2">Flooded Volume</th><th rowspan="2">Flow / Overflow Cap.</th><th rowspan="2">Half Drain Time (mins)</th></tr><tr><th></th><th>(m)</th><th></th><th>(m)</th><th></th><th>(m³)</th></tr></table>									PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume		Flow / Overflow Cap.	Half Drain Time (mins)		(m)		(m)		(m³)
PN	US/MH Name	Storm Rank	Water Level		Surcharged Depth		Flooded Volume					Flow / Overflow Cap.	Half Drain Time (mins)												
				(m)		(m)		(m³)																	
1.000		S8142	17	96.807	-0.308	0.000	0.07																		
2.000		S8133	17	97.462	-0.248	0.000	0.07																		
1.001		S8134	17	96.238	-0.312	0.000	0.21																		
1.002		S8141	17	96.067	-0.378	0.000	0.18																		
1.003		S8139	17	95.864	-0.391	0.000	0.15																		
1.004		S8140	17	95.486	-0.359	0.000	0.22																		
1.005		S4008	17	95.388	-0.238	0.000	0.58																		
1.006		S4011	17	95.231	-0.358	0.000	0.22																		
1.007		S4012	17	94.787	-0.298	0.000	0.36																		
3.000		S8157	17	95.979	-0.326	0.000	0.04																		
3.001		S8159	17	95.130	-0.350	0.000	0.11																		
3.002		S8154	17	94.953	-0.387	0.000	0.16																		
3.003		S8155	17	94.769	-0.396	0.000	0.14																		
1.008		S5015	17	94.689	-0.156	0.000	0.67																		
1.009		S5016	17	94.626	-0.079	0.000	0.52																		
1.010	S5017 - PH4 Connection	17	94.572	0.097	0.000	1.01																			
4.000		S5018	17	95.146	-0.258	0.000	0.05																		
1.011		S5019	17	94.502	0.097	0.000	1.39																		
1.012	S5020 PH5 Connection	15	94.440	0.000	0.000	1.25																			
1.013		S5021	17	94.166	-0.164	0.000	0.40																		
5.000		S5023	17	94.194	-0.326	0.000	0.10																		
©1982-2020 Innovyze																									

JS Bloor (Wilmslow) Ltd		Page 265
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
5.001		S5025	17 94.160	0.000	0.000	0.18		
6.000		S5026	17 94.354	-0.238	0.000	0.10		
6.001		S5027	17 94.155	0.020	0.000	0.19		
5.002		S5028	17 94.140	0.124	0.000	0.42		
1.014		S5029	18 94.121	0.150	0.000	1.22		
1.015		S5030	21 94.066	0.139	0.000	1.29		
1.016		S8121	23 94.013	0.126	0.000	1.46		
1.017	S5036 - Headwall	26	93.980	-0.345	0.000	0.31		
7.000		S8135	17 96.350	-0.265	0.000	0.19		
7.001		S8136	17 96.322	-0.221	0.000	0.36		
7.002		S8137	17 96.278	-0.196	0.000	0.53		
7.003		S8161	17 96.219	-0.195	0.000	0.56		
8.000		S8151	17 96.277	-0.180	0.000	0.34		
7.004		S8162	17 96.138	-0.201	0.000	0.59		
7.005		S8152	17 95.941	-0.259	0.000	0.51		
9.000		S8144	17 96.310	-0.240	0.000	0.09		
9.001		S8145	17 96.074	-0.301	0.000	0.09		
7.006		S8146	17 95.811	-0.279	0.000	0.45		
10.000		S8165	17 95.609	-0.386	0.000	0.03		
10.001		S8164	17 95.589	-0.322	0.000	0.06		
7.007		S8147	17 95.587	-0.293	0.000	0.41		
7.008		S8150	17 95.436	-0.109	0.000	0.62		
7.009		S8149	16 95.365	0.000	0.000	1.08		
11.000		S5037	17 95.208	-0.172	0.000	0.13		
11.001		S5038	17 95.052	-0.181	0.000	0.17		
11.002		S5039	17 95.037	-0.119	0.000	0.18		
12.000		S5040	17 95.267	-0.116	0.000	0.47		
7.010		S5041	17 95.026	-0.277	0.000	0.46		
7.011		S5042	17 94.564	-0.291	0.000	0.41		
7.012		S5047	17 94.212	0.192	0.000	0.81		
7.013		S8167	19 94.107	0.251	0.000	0.91		
7.014	S5048 - Headwall	25	94.001	0.126	0.000	0.98		
1.018	S5049 - Headwall	29	93.950	0.000	0.000	1.20		
1.019	S5050 Control Chamber	13	93.936	0.486	0.000	0.13		

PN	US/MH Name	Pipe Flow (l/s)	Status
5.001		S5025 40.5	OK
6.000		S5026 10.3	OK
6.001		S5027 24.6	SURCHARGED
5.002		S5028 71.9	SURCHARGED
1.014		S5029 320.8	SURCHARGED
1.015		S5030 323.9	SURCHARGED
1.016		S8121 336.3	SURCHARGED
1.017	S5036 - Headwall	353.2	OK*
7.000		S8135 27.2	OK

JS Bloor (Wilmslow) Ltd			Page 266
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	50.5	OK
7.002	S8137	72.4	OK
7.003	S8161	79.1	OK
8.000	S8151	20.5	OK
7.004	S8162	116.3	OK
7.005	S8152	129.6	OK
9.000	S8144	7.3	OK
9.001	S8145	17.7	OK
7.006	S8146	157.6	OK
10.000	S8165	4.3	OK
10.001	S8164	10.8	OK
7.007	S8147	179.9	OK
7.008	S8150	180.4	OK
7.009	S8149	201.9	OK
11.000	S5037	4.7	OK
11.001	S5038	10.6	OK
11.002	S5039	11.3	OK
12.000	S5040	18.2	OK
7.010	S5041	235.4	OK
7.011	S5042	241.9	OK
7.012	S5047	251.3	SURCHARGED
7.013	S8167	251.0	SURCHARGED
7.014	S5048 - Headwall	249.9	SURCHARGED
1.018	S5049 - Headwall	603.2	OK
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 267	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
Hot Start Level (mm)		0		Inlet Coefficient		0.800		
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000		
Foul Sewage per hectare (l/s)		0.000						
Number of Input Hydrographs				0		Number of Storage Structures		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd			Page 268	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5</u>				

JS Bloor (Wilmslow) Ltd		Page 269
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2020.1.3		

Network 2020.1.3

Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	27 94.001	-0.159	0.000	0.15	
6.000		S5026	22 94.347	-0.245	0.000	0.08	
6.001		S5027	27 94.000	-0.135	0.000	0.16	
5.002		S5028	27 93.991	-0.025	0.000	0.35	
1.014		S5029	27 93.990	0.020	0.000	0.99	
1.015		S5030	27 93.985	0.058	0.000	1.05	
1.016		S8121	27 93.981	0.094	0.000	1.19	
1.017	S5036 - Headwall	28 93.978	-0.347	0.000	0.26		
7.000		S8135	19 96.324	-0.292	0.000	0.16	
7.001		S8136	19 96.292	-0.251	0.000	0.29	
7.002		S8137	19 96.246	-0.227	0.000	0.43	
7.003		S8161	19 96.187	-0.227	0.000	0.45	
8.000		S8151	22 96.263	-0.194	0.000	0.27	
7.004		S8162	19 96.107	-0.232	0.000	0.47	
7.005		S8152	19 95.908	-0.292	0.000	0.41	
9.000		S8144	22 96.302	-0.248	0.000	0.07	
9.001		S8145	21 96.064	-0.311	0.000	0.07	
7.006		S8146	19 95.783	-0.307	0.000	0.36	
10.000		S8165	19 95.596	-0.399	0.000	0.02	
10.001		S8164	19 95.562	-0.349	0.000	0.05	
7.007		S8147	19 95.561	-0.319	0.000	0.33	
7.008		S8150	19 95.306	-0.239	0.000	0.50	
7.009		S8149	19 95.221	-0.145	0.000	0.87	
11.000		S5037	22 95.202	-0.177	0.000	0.10	
11.001		S5038	19 95.030	-0.203	0.000	0.14	
11.002		S5039	19 95.009	-0.147	0.000	0.15	
12.000		S5040	22 95.253	-0.129	0.000	0.38	
7.010		S5041	19 95.000	-0.303	0.000	0.37	
7.011		S5042	19 94.540	-0.315	0.000	0.34	
7.012		S5047	27 93.987	-0.033	0.000	0.67	
7.013		S8167	27 93.983	0.127	0.000	0.75	
7.014	S5048 - Headwall	28 93.979	0.104	0.000	0.82		
1.018	S5049 - Headwall	26 93.975	0.025	0.000	0.98		
1.019	S5050 Control Chamber	11 93.974	0.524	0.000	0.13		

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 33.8	OK
6.000		S5026 8.3	OK
6.001		S5027 20.6	OK
5.002		S5028 60.0	OK
1.014		S5029 260.6	SURCHARGED
1.015		S5030 263.5	SURCHARGED
1.016		S8121 273.9	SURCHARGED
1.017	S5036 - Headwall	288.8	OK*
7.000		S8135 21.8	OK

JS Bloor (Wilmslow) Ltd			Page 270
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 40.5	OK
7.002		S8137 58.1	OK
7.003		S8161 63.4	OK
8.000		S8151 16.4	OK
7.004		S8162 93.3	OK
7.005		S8152 103.9	OK
9.000		S8144 5.8	OK
9.001		S8145 14.2	OK
7.006		S8146 126.5	OK
10.000		S8165 3.5	OK
10.001		S8164 8.7	OK
7.007		S8147 144.5	OK
7.008		S8150 146.0	OK
7.009		S8149 163.7	OK
11.000		S5037 3.8	OK
11.001		S5038 8.5	OK
11.002		S5039 9.0	OK
12.000		S5040 14.5	OK
7.010		S5041 191.5	OK
7.011		S5042 197.6	OK
7.012		S5047 209.1	OK
7.013		S8167 209.1	SURCHARGED
7.014	S5048 - Headwall	207.9	SURCHARGED
1.018	S5049 - Headwall	495.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 271	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 360 minute 100 year Winter I+40% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
Hot Start Level (mm)		0		Inlet Coefficient		0.800		
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000		
Foul Sewage per hectare (l/s)		0.000						
Number of Input Hydrographs				0		Number of Storage Structures		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd		Page 273
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 360 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	23 94.035	-0.125	0.000	0.11		
6.000		S5026	30 94.337	-0.255	0.000	0.06		
6.001		S5027	23 94.035	-0.100	0.000	0.11		
5.002		S5028	23 94.034	0.018	0.000	0.25		
1.014		S5029	23 94.033	0.063	0.000	0.72		
1.015		S5030	23 94.029	0.102	0.000	0.76		
1.016		S8121	21 94.029	0.142	0.000	0.86		
1.017	S5036 - Headwall	20 94.028	-0.297	0.000	0.19			
7.000		S8135	28 96.294	-0.321	0.000	0.11		
7.001		S8136	28 96.257	-0.286	0.000	0.21		
7.002		S8137	28 96.209	-0.265	0.000	0.31		
7.003		S8161	28 96.150	-0.264	0.000	0.33		
8.000		S8151	30 96.247	-0.210	0.000	0.20		
7.004		S8162	29 96.071	-0.268	0.000	0.34		
7.005		S8152	28 95.870	-0.330	0.000	0.30		
9.000		S8144	30 96.294	-0.256	0.000	0.05		
9.001		S8145	30 96.054	-0.321	0.000	0.05		
7.006		S8146	29 95.747	-0.343	0.000	0.26		
10.000		S8165	29 95.582	-0.413	0.000	0.02		
10.001		S8164	29 95.529	-0.382	0.000	0.04		
7.007		S8147	29 95.527	-0.353	0.000	0.24		
7.008		S8150	28 95.246	-0.299	0.000	0.37		
7.009		S8149	28 95.145	-0.220	0.000	0.63		
11.000		S5037	30 95.195	-0.185	0.000	0.07		
11.001		S5038	28 95.005	-0.228	0.000	0.10		
11.002		S5039	26 94.971	-0.185	0.000	0.11		
12.000		S5040	30 95.237	-0.145	0.000	0.27		
7.010		S5041	26 94.964	-0.339	0.000	0.27		
7.011		S5042	26 94.506	-0.349	0.000	0.25		
7.012		S5047	23 94.030	0.010	0.000	0.49		
7.013		S8167	23 94.027	0.172	0.000	0.55		
7.014	S5048 - Headwall	21 94.025	0.150	0.000	0.60			
1.018	S5049 - Headwall	20 94.022	0.072	0.000	0.71			
1.019	S5050 Control Chamber	6 94.021	0.571	0.000	0.13			

PN	US/MH Name	Pipe Flow		Status
		(l/s)		
5.001		S5025	24.5	OK
6.000		S5026	6.0	OK
6.001		S5027	14.9	OK
5.002		S5028	43.2	SURCHARGED
1.014		S5029	188.9	SURCHARGED
1.015		S5030	190.4	SURCHARGED
1.016		S8121	197.6	SURCHARGED
1.017	S5036 - Headwall	209.6		OK*
7.000		S8135	15.8	OK

JS Bloor (Wilmslow) Ltd			Page 274
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 360 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 29.5	OK
7.002		S8137 42.3	OK
7.003		S8161 46.2	OK
8.000		S8151 11.9	OK
7.004		S8162 68.0	OK
7.005		S8152 75.8	OK
9.000		S8144 4.2	OK
9.001		S8145 10.3	OK
7.006		S8146 92.1	OK
10.000		S8165 2.5	OK
10.001		S8164 6.3	OK
7.007		S8147 105.2	OK
7.008		S8150 106.4	OK
7.009		S8149 119.0	OK
11.000		S5037 2.7	OK
11.001		S5038 6.1	OK
11.002		S5039 6.5	OK
12.000		S5040 10.5	OK
7.010		S5041 139.5	OK
7.011		S5042 143.7	OK
7.012		S5047 152.1	SURCHARGED
7.013		S8167 151.9	SURCHARGED
7.014	S5048 - Headwall	152.0	SURCHARGED
1.018	S5049 - Headwall	356.9	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

```
Date 03/01/2025 11:46
File NET 5 SAVE AS. 24.12.24...
```

Designed by d_southa
Checked by



Elstree Computing Ltd

Network 2020.1.3

Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 6.4	OK
2.000		S8133 5.0	OK
1.001		S8134 17.5	OK
1.002		S8141 24.7	OK
1.003		S8139 26.4	OK
1.004		S8140 36.5	OK
1.005		S4008 43.4	OK
1.006		S4011 44.8	OK
1.007		S4012 53.0	OK
3.000		S8157 4.7	OK
3.001		S8159 10.9	OK
3.002		S8154 20.8	OK
3.003		S8155 27.4	OK
1.008		S5015 88.5	OK
1.009		S5016 88.5	OK
1.010	S5017 - PH4 Connection	96.4	OK
4.000		S5018 4.4	OK
1.011		S5019 102.5	OK
1.012	S5020 PH5 Connection	105.8	OK
1.013		S5021 111.5	OK
5.000		S5023 12.1	OK

JS Bloor (Wilmslow) Ltd		Page 277
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	22 94.062	-0.098	0.000	0.09		
6.000		S5026	34 94.332	-0.260	0.000	0.04		
6.001		S5027	22 94.062	-0.073	0.000	0.09		
5.002		S5028	22 94.062	0.046	0.000	0.20		
1.014		S5029	22 94.060	0.090	0.000	0.57		
1.015		S5030	22 94.058	0.131	0.000	0.60		
1.016		S8121	19 94.055	0.168	0.000	0.68		
1.017	S5036 - Headwall	18 94.053	-0.272	0.000	0.15			
7.000		S8135	34 96.276	-0.339	0.000	0.09		
7.001		S8136	34 96.237	-0.306	0.000	0.17		
7.002		S8137	34 96.187	-0.287	0.000	0.25		
7.003		S8161	33 96.128	-0.286	0.000	0.26		
8.000		S8151	34 96.236	-0.221	0.000	0.16		
7.004		S8162	34 96.049	-0.290	0.000	0.27		
7.005		S8152	33 95.847	-0.353	0.000	0.24		
9.000		S8144	34 96.289	-0.261	0.000	0.04		
9.001		S8145	34 96.048	-0.327	0.000	0.04		
7.006		S8146	34 95.727	-0.363	0.000	0.21		
10.000		S8165	34 95.572	-0.423	0.000	0.01		
10.001		S8164	34 95.510	-0.401	0.000	0.03		
7.007		S8147	33 95.509	-0.371	0.000	0.19		
7.008		S8150	33 95.214	-0.331	0.000	0.29		
7.009		S8149	33 95.105	-0.260	0.000	0.51		
11.000		S5037	34 95.190	-0.190	0.000	0.06		
11.001		S5038	34 94.995	-0.238	0.000	0.08		
11.002		S5039	33 94.952	-0.204	0.000	0.08		
12.000		S5040	34 95.228	-0.154	0.000	0.22		
7.010		S5041	33 94.943	-0.360	0.000	0.22		
7.011		S5042	33 94.487	-0.368	0.000	0.20		
7.012		S5047	22 94.059	0.039	0.000	0.39		
7.013		S8167	22 94.057	0.201	0.000	0.44		
7.014	S5048 - Headwall	19 94.055	0.180	0.000	0.47			
1.018	S5049 - Headwall	18 94.053	0.103	0.000	0.54			
1.019	S5050 Control Chamber	5 94.052	0.602	0.000	0.13			

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 19.5	OK
6.000		S5026 4.8	OK
6.001		S5027 11.9	OK
5.002		S5028 34.1	SURCHARGED
1.014		S5029 149.8	SURCHARGED
1.015		S5030 150.4	SURCHARGED
1.016		S8121 155.4	SURCHARGED
1.017	S5036 - Headwall	164.1	OK*
7.000		S8135 12.6	OK

JS Bloor (Wilmslow) Ltd			Page 278
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 23.5	OK
7.002		S8137 33.7	OK
7.003		S8161 36.8	OK
8.000		S8151 9.5	OK
7.004		S8162 54.1	OK
7.005		S8152 60.3	OK
9.000		S8144 3.3	OK
9.001		S8145 8.2	OK
7.006		S8146 73.4	OK
10.000		S8165 2.0	OK
10.001		S8164 5.0	OK
7.007		S8147 83.8	OK
7.008		S8150 84.8	OK
7.009		S8149 94.9	OK
11.000		S5037 2.2	OK
11.001		S5038 4.9	OK
11.002		S5039 5.2	OK
12.000		S5040 8.4	OK
7.010		S5041 111.2	OK
7.011		S5042 114.6	OK
7.012		S5047 121.1	SURCHARGED
7.013		S8167 120.6	SURCHARGED
7.014	S5048 - Headwall	120.2	SURCHARGED
1.018	S5049 - Headwall	273.7	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 279	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
Hot Start Level (mm)		0		Inlet Coefficient		0.800		
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000		
Foul Sewage per hectare (l/s)		0.000						
Number of Input Hydrographs				0		Number of Storage Structures		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd		Page 280
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 5.4	OK
2.000		S8133 4.2	OK
1.001		S8134 14.6	OK
1.002		S8141 20.7	OK
1.003		S8139 22.1	OK
1.004		S8140 30.5	OK
1.005		S4008 36.3	OK
1.006		S4011 37.5	OK
1.007		S4012 44.3	OK
3.000		S8157 4.0	OK
3.001		S8159 9.1	OK
3.002		S8154 17.4	OK
3.003		S8155 23.0	OK
1.008		S5015 74.1	OK
1.009		S5016 74.1	OK
1.010	S5017 - PH4 Connection	80.7	OK
4.000		S5018 3.7	OK
1.011		S5019 85.8	OK
1.012	S5020 PH5 Connection	88.6	OK
1.013		S5021 93.4	OK
5.000		S5023 10.1	OK

JS Bloor (Wilmslow) Ltd		Page 281
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded				Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)
5.001		S5025	21 94.079	-0.081	0.000	0.07		
6.000		S5026	39 94.329	-0.263	0.000	0.04		
6.001		S5027	21 94.079	-0.056	0.000	0.08		
5.002		S5028	21 94.078	0.062	0.000	0.17		
1.014		S5029	21 94.077	0.107	0.000	0.48		
1.015		S5030	20 94.075	0.148	0.000	0.50		
1.016		S8121	18 94.073	0.186	0.000	0.56		
1.017	S5036 - Headwall	17 94.072	-0.253	0.000	0.12			
7.000		S8135	38 96.265	-0.350	0.000	0.08		
7.001		S8136	38 96.223	-0.319	0.000	0.14		
7.002		S8137	38 96.172	-0.302	0.000	0.21		
7.003		S8161	38 96.113	-0.301	0.000	0.22		
8.000		S8151	39 96.229	-0.228	0.000	0.13		
7.004		S8162	38 96.035	-0.305	0.000	0.23		
7.005		S8152	38 95.833	-0.367	0.000	0.20		
9.000		S8144	39 96.286	-0.264	0.000	0.03		
9.001		S8145	39 96.044	-0.331	0.000	0.03		
7.006		S8146	38 95.712	-0.378	0.000	0.17		
10.000		S8165	39 95.566	-0.429	0.000	0.01		
10.001		S8164	38 95.496	-0.415	0.000	0.02		
7.007		S8147	38 95.494	-0.386	0.000	0.16		
7.008		S8150	38 95.195	-0.350	0.000	0.24		
7.009		S8149	38 95.078	-0.287	0.000	0.42		
11.000		S5037	39 95.186	-0.193	0.000	0.05		
11.001		S5038	38 94.987	-0.246	0.000	0.07		
11.002		S5039	38 94.939	-0.217	0.000	0.07		
12.000		S5040	39 95.222	-0.161	0.000	0.18		
7.010		S5041	38 94.928	-0.375	0.000	0.18		
7.011		S5042	38 94.472	-0.383	0.000	0.16		
7.012		S5047	21 94.077	0.057	0.000	0.33		
7.013		S8167	21 94.075	0.219	0.000	0.36		
7.014	S5048 - Headwall	18 94.073	0.198	0.000	0.40			
1.018	S5049 - Headwall	16 94.072	0.122	0.000	0.45			
1.019	S5050 Control Chamber	4 94.071	0.621	0.000	0.13			

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 16.3	OK
6.000		S5026 4.0	OK
6.001		S5027 10.0	OK
5.002		S5028 28.5	SURCHARGED
1.014		S5029 125.3	SURCHARGED
1.015		S5030 125.6	SURCHARGED
1.016		S8121 129.6	SURCHARGED
1.017	S5036 - Headwall	137.0	OK*
7.000		S8135 10.6	OK

JS Bloor (Wilmslow) Ltd		Page 282
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
7.001	S8136	19.7	OK
7.002	S8137	28.2	OK
7.003	S8161	30.8	OK
8.000	S8151	7.9	OK
7.004	S8162	45.3	OK
7.005	S8152	50.5	OK
9.000	S8144	2.8	OK
9.001	S8145	6.8	OK
7.006	S8146	61.4	OK
10.000	S8165	1.7	OK
10.001	S8164	4.2	OK
7.007	S8147	70.1	OK
7.008	S8150	71.0	OK
7.009	S8149	79.5	OK
11.000	S5037	1.8	OK
11.001	S5038	4.1	OK
11.002	S5039	4.4	OK
12.000	S5040	7.0	OK
7.010	S5041	93.1	OK
7.011	S5042	96.0	OK
7.012	S5047	101.4	SURCHARGED
7.013	S8167	101.1	SURCHARGED
7.014	S5048 - Headwall	100.8	SURCHARGED
1.018	S5049 - Headwall	228.6	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED

Simulation Criteria

Number of Input Hydrographs	0	Number of Storage Structures	3
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Rainfall Model	FSR	Ratio R	0.413
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	19.500	Cv (Winter)	0.840

Profile(s)	Summer and Winter
n(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
(s) (years)	1, 30, 100
Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain
			Level (m)	Depth (m)	Volume (m³)	Time (mins)			
1.000		S8142	42	96.780	-0.335	0.000	0.02		
2.000		S8133	42	97.441	-0.269	0.000	0.02		
1.001		S8134	42	96.177	-0.373	0.000	0.07		
1.002		S8141	42	96.002	-0.443	0.000	0.06		
1.003		S8139	42	95.805	-0.450	0.000	0.05		
1.004		S8140	42	95.413	-0.432	0.000	0.07		
1.005		S4008	42	95.257	-0.369	0.000	0.19		
1.006		S4011	42	95.158	-0.431	0.000	0.07		
1.007		S4012	42	94.681	-0.404	0.000	0.12		
3.000		S8157	42	95.954	-0.351	0.000	0.01		
3.001		S8159	42	95.086	-0.394	0.000	0.04		
3.002		S8154	42	94.892	-0.448	0.000	0.05		
3.003		S8155	42	94.712	-0.453	0.000	0.05		
1.008		S5015	42	94.488	-0.357	0.000	0.23		
1.009		S5016	42	94.326	-0.379	0.000	0.17		
1.010	S5017 - PH4 Connection		42	94.199	-0.276	0.000	0.34		
4.000		S5018	42	95.126	-0.278	0.000	0.02		
1.011		S5019	42	94.153	-0.252	0.000	0.47		
1.012	S5020 PH5 Connection		44	94.110	-0.330	0.000	0.42		
1.013		S5021	20	94.092	-0.238	0.000	0.13		
5.000		S5023	42	94.124	-0.396	0.000	0.03		

JS Bloor (Wilmslow) Ltd			Page 284	
Dean Court 85 Adllington Road Wilmslow SK9 1BT				
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2020.1.3		
<u>Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 5</u>				

JS Bloor (Wilmslow) Ltd		Page 285
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	20 94.092	-0.068	0.000	0.06	
6.000		S5026	42 94.327	-0.265	0.000	0.03	
6.001		S5027	20 94.092	-0.043	0.000	0.07	
5.002		S5028	20 94.091	0.075	0.000	0.14	
1.014		S5029	20 94.091	0.121	0.000	0.41	
1.015		S5030	18 94.089	0.162	0.000	0.43	
1.016		S8121	16 94.087	0.200	0.000	0.49	
1.017	S5036 - Headwall	15 94.086	-0.239	0.000	0.11		
7.000		S8135	42 96.258	-0.358	0.000	0.07	
7.001		S8136	42 96.213	-0.330	0.000	0.12	
7.002		S8137	42 96.162	-0.312	0.000	0.18	
7.003		S8161	42 96.103	-0.311	0.000	0.19	
8.000		S8151	42 96.224	-0.233	0.000	0.11	
7.004		S8162	42 96.025	-0.315	0.000	0.20	
7.005		S8152	42 95.820	-0.380	0.000	0.17	
9.000		S8144	42 96.284	-0.266	0.000	0.03	
9.001		S8145	42 96.042	-0.333	0.000	0.03	
7.006		S8146	42 95.700	-0.390	0.000	0.15	
10.000		S8165	42 95.564	-0.431	0.000	0.01	
10.001		S8164	42 95.486	-0.426	0.000	0.02	
7.007		S8147	42 95.483	-0.397	0.000	0.14	
7.008		S8150	42 95.183	-0.362	0.000	0.21	
7.009		S8149	42 95.060	-0.306	0.000	0.37	
11.000		S5037	42 95.184	-0.195	0.000	0.04	
11.001		S5038	42 94.981	-0.252	0.000	0.06	
11.002		S5039	42 94.929	-0.227	0.000	0.06	
12.000		S5040	42 95.217	-0.166	0.000	0.16	
7.010		S5041	42 94.916	-0.387	0.000	0.16	
7.011		S5042	42 94.461	-0.394	0.000	0.14	
7.012		S5047	20 94.090	0.070	0.000	0.28	
7.013		S8167	20 94.089	0.233	0.000	0.32	
7.014	S5048 - Headwall	16 94.087	0.212	0.000	0.34		
1.018	S5049 - Headwall	14 94.086	0.136	0.000	0.39		
1.019	S5050 Control Chamber	3 94.085	0.635	0.000	0.13		

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 14.1	OK
6.000		S5026 3.4	OK
6.001		S5027 8.6	OK
5.002		S5028 24.6	SURCHARGED
1.014		S5029 108.2	SURCHARGED
1.015		S5030 108.4	SURCHARGED
1.016		S8121 112.0	SURCHARGED
1.017	S5036 - Headwall	118.3	OK*
7.000		S8135 9.1	OK

JS Bloor (Wilmslow) Ltd			Page 286
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 17.0	OK
7.002		S8137 24.4	OK
7.003		S8161 26.7	OK
8.000		S8151 6.8	OK
7.004		S8162 39.2	OK
7.005		S8152 43.6	OK
9.000		S8144 2.4	OK
9.001		S8145 5.9	OK
7.006		S8146 53.1	OK
10.000		S8165 1.4	OK
10.001		S8164 3.6	OK
7.007		S8147 60.6	OK
7.008		S8150 61.4	OK
7.009		S8149 68.8	OK
11.000		S5037 1.6	OK
11.001		S5038 3.5	OK
11.002		S5039 3.8	OK
12.000		S5040 6.1	OK
7.010		S5041 80.5	OK
7.011		S5042 83.1	OK
7.012		S5047 87.7	SURCHARGED
7.013		S8167 87.4	SURCHARGED
7.014	S5048 - Headwall	87.1	SURCHARGED
1.018	S5049 - Headwall	197.7	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd		Page 288
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3

Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Pipe Flow (l/s)	Status
1.000		S8142 3.7	OK
2.000		S8133 2.9	OK
1.001		S8134 10.0	OK
1.002		S8141 14.2	OK
1.003		S8139 15.2	OK
1.004		S8140 20.9	OK
1.005		S4008 24.9	OK
1.006		S4011 25.7	OK
1.007		S4012 30.4	OK
3.000		S8157 2.7	OK
3.001		S8159 6.2	OK
3.002		S8154 11.9	OK
3.003		S8155 15.8	OK
1.008		S5015 50.8	OK
1.009		S5016 50.8	OK
1.010	S5017 - PH4 Connection	55.3	OK
4.000		S5018 2.5	OK
1.011		S5019 58.9	OK
1.012	S5020 PH5 Connection	60.8	OK
1.013		S5021 64.0	OK
5.000		S5023 6.9	OK

JS Bloor (Wilmslow) Ltd		Page 289
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2020.1.3	

Network 2020.1.3

Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Half Drain	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap. (l/s)	Time (mins)
5.001		S5025	19 94.111	-0.049	0.000	0.05	
6.000		S5026	47 94.324	-0.268	0.000	0.03	
6.001		S5027	19 94.111	-0.024	0.000	0.05	
5.002		S5028	19 94.111	0.094	0.000	0.11	
1.014		S5029	19 94.110	0.140	0.000	0.33	
1.015		S5030	16 94.108	0.181	0.000	0.34	
1.016		S8121	15 94.107	0.220	0.000	0.39	
1.017	S5036 - Headwall	13 94.106	-0.219	0.000	0.08		
7.000		S8135	47 96.245	-0.370	0.000	0.05	
7.001		S8136	47 96.198	-0.345	0.000	0.10	
7.002		S8137	47 96.145	-0.329	0.000	0.14	
7.003		S8161	47 96.086	-0.328	0.000	0.15	
8.000		S8151	47 96.217	-0.240	0.000	0.09	
7.004		S8162	47 96.008	-0.331	0.000	0.16	
7.005		S8152	47 95.803	-0.397	0.000	0.14	
9.000		S8144	47 96.281	-0.269	0.000	0.02	
9.001		S8145	47 96.038	-0.337	0.000	0.02	
7.006		S8146	47 95.685	-0.405	0.000	0.12	
10.000		S8165	47 95.560	-0.435	0.000	0.01	
10.001		S8164	47 95.472	-0.439	0.000	0.02	
7.007		S8147	47 95.470	-0.410	0.000	0.11	
7.008		S8150	47 95.163	-0.382	0.000	0.17	
7.009		S8149	47 95.033	-0.332	0.000	0.29	
11.000		S5037	47 95.181	-0.198	0.000	0.03	
11.001		S5038	47 94.975	-0.259	0.000	0.05	
11.002		S5039	47 94.917	-0.239	0.000	0.05	
12.000		S5040	47 95.210	-0.172	0.000	0.12	
7.010		S5041	47 94.900	-0.403	0.000	0.12	
7.011		S5042	47 94.447	-0.408	0.000	0.11	
7.012		S5047	19 94.110	0.090	0.000	0.22	
7.013		S8167	18 94.109	0.253	0.000	0.25	
7.014	S5048 - Headwall	15 94.107	0.232	0.000	0.27		
1.018	S5049 - Headwall	12 94.106	0.156	0.000	0.31		
1.019	S5050 Control Chamber	2 94.105	0.655	0.000	0.13		

PN	US/MH Name	Pipe	
		Flow (l/s)	Status
5.001		S5025 11.2	OK
6.000		S5026 2.7	OK
6.001		S5027 6.8	OK
5.002		S5028 19.5	SURCHARGED
1.014		S5029 85.8	SURCHARGED
1.015		S5030 85.9	SURCHARGED
1.016		S8121 88.7	SURCHARGED
1.017	S5036 - Headwall	93.8	OK*
7.000		S8135 7.2	OK

JS Bloor (Wilmslow) Ltd			Page 290
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 13.5	OK
7.002		S8137 19.4	OK
7.003		S8161 21.2	OK
8.000		S8151 5.4	OK
7.004		S8162 31.1	OK
7.005		S8152 34.6	OK
9.000		S8144 1.9	OK
9.001		S8145 4.7	OK
7.006		S8146 42.1	OK
10.000		S8165 1.1	OK
10.001		S8164 2.9	OK
7.007		S8147 48.1	OK
7.008		S8150 48.7	OK
7.009		S8149 54.6	OK
11.000		S5037 1.2	OK
11.001		S5038 2.8	OK
11.002		S5039 3.0	OK
12.000		S5040 4.8	OK
7.010		S5041 63.9	OK
7.011		S5042 65.9	OK
7.012		S5047 69.6	SURCHARGED
7.013		S8167 69.3	SURCHARGED
7.014	S5048 - Headwall	69.2	SURCHARGED
1.018	S5049 - Headwall	156.9	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			

JS Bloor (Wilmslow) Ltd							Page 291	
Dean Court 85 Adlington Road Wilmslow SK9 1BT								
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...				Designed by d_southa Checked by				
Elstree Computing Ltd				Network 2020.1.3				
<u>Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 5</u>								
<u>Simulation Criteria</u>								
Areal Reduction Factor		1.000		Additional Flow - % of Total Flow		0.000		
Hot Start (mins)		0		MADD Factor * 10m³/ha Storage		0.000		
Hot Start Level (mm)		0		Inlet Coefficient		0.800		
Manhole Headloss Coeff (Global)		0.500		Flow per Person per Day (l/per/day)		0.000		
Foul Sewage per hectare (l/s)		0.000						
Number of Input Hydrographs				0		Number of Storage Structures		3
Number of Online Controls				1		Number of Time/Area Diagrams		0
Number of Offline Controls				0		Number of Real Time Controls		0
<u>Synthetic Rainfall Details</u>								
Rainfall Model		FSR		Ratio R		0.413		
Region England and Wales		Cv (Summer)		0.750				
M5-60 (mm)		19.500		Cv (Winter)		0.840		
Margin for Flood Risk Warning (mm)				300.0		DVD Status		OFF
Analysis Timestep				Fine		Inertia Status		OFF
DTS 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)		1, 30, 100						
Climate Change (%)		0, 0, 40						

JS Bloor (Wilmslow) Ltd

Page 293

Dean Court

85 Adlington Road

Wilmslow SK9 1BT

Date 03/01/2025 11:46

File NET 5 SAVE AS. 24.12.24...

Designed by d_southa

Checked by

Elstree Computing Ltd

Network 2020.1.3

Micro Drainage

Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)
5.001	S5025	18	94.122	-0.038	0.000	0.04		
6.000	S5026	57	94.318	-0.274	0.000	0.02		
6.001	S5027	18	94.122	-0.013	0.000	0.04		
5.002	S5028	18	94.122	0.106	0.000	0.08		
1.014	S5029	17	94.122	0.152	0.000	0.23		
1.015	S5030	15	94.121	0.194	0.000	0.25		
1.016	S8121	13	94.120	0.233	0.000	0.28		
1.017	S5036 - Headwall	11	94.119	-0.206	0.000	0.06		
7.000	S8135	56	96.231	-0.384	0.000	0.04		
7.001	S8136	57	96.182	-0.360	0.000	0.07		
7.002	S8137	57	96.126	-0.348	0.000	0.10		
7.003	S8161	56	96.067	-0.347	0.000	0.11		
8.000	S8151	57	96.206	-0.251	0.000	0.06		
7.004	S8162	57	95.990	-0.350	0.000	0.11		
7.005	S8152	57	95.785	-0.415	0.000	0.10		
9.000	S8144	57	96.274	-0.276	0.000	0.02		
9.001	S8145	57	96.029	-0.346	0.000	0.02		
7.006	S8146	57	95.668	-0.422	0.000	0.09		
10.000	S8165	57	95.556	-0.439	0.000	0.00		
10.001	S8164	57	95.455	-0.456	0.000	0.01		
7.007	S8147	57	95.452	-0.428	0.000	0.08		
7.008	S8150	56	95.141	-0.404	0.000	0.12		
7.009	S8149	56	95.003	-0.363	0.000	0.21		
11.000	S5037	57	95.178	-0.201	0.000	0.02		
11.001	S5038	57	94.969	-0.265	0.000	0.03		
11.002	S5039	57	94.904	-0.252	0.000	0.03		
12.000	S5040	57	95.203	-0.180	0.000	0.09		
7.010	S5041	56	94.884	-0.419	0.000	0.09		
7.011	S5042	55	94.429	-0.426	0.000	0.08		
7.012	S5047	18	94.121	0.101	0.000	0.16		
7.013	S8167	17	94.120	0.265	0.000	0.18		
7.014	S5048 - Headwall	14	94.119	0.244	0.000	0.20		
1.018	S5049 - Headwall	9	94.119	0.169	0.000	0.22		
1.019	S5050 Control Chamber	1	94.118	0.668	0.000	0.13		

PN	US/MH Name	Pipe Flow (l/s)	Status
5.001	S5025	8.1	OK
6.000	S5026	2.0	OK
6.001	S5027	4.9	OK
5.002	S5028	14.1	SURCHARGED
1.014	S5029	61.7	SURCHARGED
1.015	S5030	61.7	SURCHARGED
1.016	S8121	63.7	SURCHARGED
1.017	S5036 - Headwall	67.4	OK*
7.000	S8135	5.2	OK

©1982-2020 Innovyze

JS Bloor (Wilmslow) Ltd			Page 294
Dean Court 85 Adllington Road Wilmslow SK9 1BT			
Date 03/01/2025 11:46 File NET 5 SAVE AS. 24.12.24...		Designed by d_southa Checked by	
Elstree Computing Ltd		Network 2020.1.3	
<u>Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 5</u>			
PN	US/MH Name	Pipe Flow (l/s)	Status
7.001		S8136 9.7	OK
7.002		S8137 14.0	OK
7.003		S8161 15.3	OK
8.000		S8151 3.9	OK
7.004		S8162 22.4	OK
7.005		S8152 25.0	OK
9.000		S8144 1.4	OK
9.001		S8145 3.4	OK
7.006		S8146 30.4	OK
10.000		S8165 0.8	OK
10.001		S8164 2.1	OK
7.007		S8147 34.7	OK
7.008		S8150 35.1	OK
7.009		S8149 39.4	OK
11.000		S5037 0.9	OK
11.001		S5038 2.0	OK
11.002		S5039 2.2	OK
12.000		S5040 3.5	OK
7.010		S5041 46.1	OK
7.011		S5042 47.6	OK
7.012		S5047 50.2	SURCHARGED
7.013		S8167 50.0	SURCHARGED
7.014	S5048 - Headwall	49.9	SURCHARGED
1.018	S5049 - Headwall	113.1	SURCHARGED
1.019	S5050 Control Chamber	12.3	SURCHARGED
©1982-2020 Innovyze			