

JS Bloor (Wilmslow) Ltd

Dean Court
85 Adlington Road
Wilmslow SK9 1BT

Date 07/02/2024 10:59
File STORM PHASE 4 -

Elstree Computing Ltd

Page 1



Designed by d_southa
Checked by

Network 2017.1.1

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	0.105	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	525	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	276.7	22.4
3.002	50.00	5.88	94.815	0.316	0.0	0.0	0.0	1.54	334.2	42.7
3.003	50.00	5.95	94.640	0.421	0.0	0.0	0.0	3.35	724.7	57.0
1.008	50.00	7.78	94.320	1.363	0.0	0.0	0.0	1.58	342.3	184.6
1.009	50.00	7.94	94.180	1.363	0.0	0.0	0.0	2.31	500.6	184.6
1.010	50.00	8.30	93.950	1.483	0.0	0.0	0.0	1.17	253.0	200.8
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	1.577	0.0	0.0	0.0	1.09	235.8	213.5
1.012	50.00	8.89	93.840	1.628	0.0	0.0	0.0	0.95	205.9	220.4
1.013	50.00	8.98	93.730	1.714	0.0	0.0	0.0	3.40	960.8	232.1
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

©1982-2017 XP Solutions

JS Bloor (Wilmslow) Ltd		Page 2
Dean Court		
85 Adlington Road		
Wilmslow SK9 1BT		
Date 07/02/2024 10:59	Designed by d_southa	
File STORM PHASE 4 -	Checked by	
Elstree Computing Ltd	Network 2017.1.1	

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
5.002	20.959	0.046		455.0	0.050	0.00	0.0	0.600	o	525 Pipe/Conduit	
1.014	28.717	0.043		667.0	0.078	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.015	26.681	0.040		667.0	0.024	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.016	7.759	0.012		641.2	0.094	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.017	100.192	0.000	10019229173944400.0	0.141	0.00	0.0	0.0	0.600	o	1125 Pipe/Conduit	
7.000	27.873	0.072		385.0	0.192	5.00	0.0	0.600	o	450 Pipe/Conduit	
7.001	26.555	0.069		385.0	0.166	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.002	23.062	0.060		385.0	0.155	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.003	28.734	0.075		385.0	0.048	0.00	0.0	0.600	o	450 Pipe/Conduit	
8.000	20.598	0.118		175.0	0.144	5.00	0.0	0.600	o	300 Pipe/Conduit	
7.004	26.598	0.139		190.9	0.119	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.005	15.843	0.110		144.0	0.094	0.00	0.0	0.600	o	525 Pipe/Conduit	
9.000	25.933	0.175		148.2	0.051	5.00	0.0	0.600	o	300 Pipe/Conduit	
9.001	18.737	0.285		65.7	0.073	0.00	0.0	0.600	o	375 Pipe/Conduit	
7.006	17.288	0.210		82.3	0.074	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)
5.002	50.00	5.99	93.491	0.528	0.0	0.0	0.0	1.04	225.9	71.5
1.014	50.00	9.46	93.295	2.320	0.0	0.0	0.0	1.01	360.4	314.1
1.015	49.80	9.90	93.252	2.343	0.0	0.0	0.0	1.01	360.4	316.1
1.016	49.46	10.03	93.212	2.438	0.0	0.0	0.0	1.03	367.7	326.5
1.017	0.00	10.03	93.200	2.579	0.0	0.0	0.0	0.00	0.0«	0.0
7.000	50.00	5.45	96.165	0.192	0.0	0.0	0.0	1.03	163.8	26.0
7.001	50.00	5.88	96.093	0.358	0.0	0.0	0.0	1.03	163.8	48.4
7.002	50.00	6.25	96.024	0.513	0.0	0.0	0.0	1.03	163.8	69.4
7.003	50.00	6.72	95.964	0.560	0.0	0.0	0.0	1.03	163.8	75.9
8.000	50.00	5.29	96.157	0.144	0.0	0.0	0.0	1.19	83.8	19.5
7.004	50.00	7.02	95.889	0.823	0.0	0.0	0.0	1.47	233.5	111.5
7.005	50.00	7.16	95.675	0.917	0.0	0.0	0.0	1.86	403.6	124.2
9.000	50.00	5.34	96.250	0.051	0.0	0.0	0.0	1.29	91.1	6.9
9.001	50.00	5.47	96.000	0.124	0.0	0.0	0.0	2.24	247.1	16.8
7.006	50.00	7.28	95.565	1.116	0.0	0.0	0.0	2.47	534.7	151.1

JS Bloor (Wilmslow) Ltd		Page 3
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 07/02/2024 10:59 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2017.1.1	

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	44.62	12.09	93.200	1.851	0.0	0.0	0.0	0.25	90.7«	250.6
1.018	44.45	12.17	93.200	4.429	0.0	0.0	0.0	1.98	876.9	533.2
1.019	44.13	12.33	93.150	4.429	0.0	0.0	0.0	1.58	111.8«	533.2

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

Date 07/02/2024 10:59

File STORM PHASE 4 -

Designed by d southa

Checked by

Elstree Computing Ltd

Network 2017.1.1



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 * 10m³/ha Storage	0.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

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

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.500	Storm Duration (mins)	30
Ratio R	0.411		

JS Bloor (Wilmslow) Ltd		Page 5
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 07/02/2024 10:59 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2017.1.1	

Online Controls for Surface Network 5

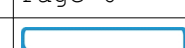
Hydro-Brake® Optimum Manhole: S5050 Control Chamber, DS/PN: 1.019, Volume (m³): 21.5

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

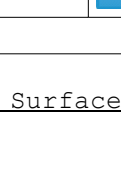
JS Bloor (Wilmslow) Ltd		Page 6
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 07/02/2024 10:59 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd		
Network 2017.1.1		

Storage Structures for Surface Network 5

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	0.700	3475.2	1.400	4241.7	2.100	5046.6
0.100	2848.7	0.800	3582.3	1.500	4354.3	2.200	5164.8
0.200	2951.1	0.900	3690.3	1.600	4467.8	2.300	5283.7
0.300	3054.4	1.000	3799.0	1.700	4582.0	2.301	5283.7
0.400	3158.4	1.100	3908.5	1.800	4697.0		
0.500	3263.2	1.200	4018.8	1.900	4812.7		
0.600	3368.8	1.300	4129.8	2.000	4929.3		

JS Bloor (Wilmslow) Ltd		Page 7
Dean Court 85 Adllington Road Wilmslow SK9 1BT		
Date 07/02/2024 10:59 File STORM PHASE 4 -		
Designed by d_southa Checked by		
Elstree Computing Ltd		Network 2017.1.1

Summary of Critical Results by Maximum Level (Rank 1) 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 Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

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

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.411
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	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow
1.000	S8142	15 Winter	100	+40%	100/15 Summer		
2.000	S8133	15 Winter	100	+40%	100/15 Winter		
1.001	S8134	15 Winter	100	+40%	100/15 Summer		
1.002	S8141	15 Winter	100	+40%	100/15 Summer		
1.003	S8139	15 Winter	100	+40%	100/15 Summer		
1.004	S8140	15 Winter	100	+40%	100/15 Summer		
1.005	S4008	15 Winter	100	+40%	100/15 Summer		
1.006	S4011	15 Winter	100	+40%	100/15 Summer		
1.007	S4012	15 Winter	100	+40%	30/15 Summer		
3.000	S8157	15 Winter	100	+40%	100/15 Summer		
3.001	S8159	15 Winter	100	+40%	100/15 Summer	100/15 Winter	
3.002	S8154	15 Winter	100	+40%	100/15 Summer		
3.003	S8155	15 Winter	100	+40%	30/15 Winter		
1.008	S5015	15 Winter	100	+40%	30/15 Summer		
1.009	S5016	15 Winter	100	+40%	30/15 Summer		
1.010	S5017 - PH4 Connection	15 Winter	100	+40%	30/15 Summer		
4.000	S5018	15 Winter	100	+40%	100/15 Summer		
1.011	S5019	15 Winter	100	+40%	30/15 Summer		
1.012	S5020 PH5 Connection	15 Winter	100	+40%	30/15 Summer		

©1982-2017 XP Solutions

JS Bloor (Wilmslow) Ltd		Page 8
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 07/02/2024 10:59 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2017.1.1	

Summary of Critical Results by Maximum Level (Rank 1) for Surface Network
5

PN	US/MH Name	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142		97.720	0.605	0.000	0.31		57.8
2.000	S8133		97.736	0.026	0.000	0.29		45.4
1.001	S8134		97.682	1.132	0.000	0.78		141.8
1.002	S8141		97.651	1.206	0.000	0.64		195.5
1.003	S8139		97.605	1.350	0.000	0.46		178.2
1.004	S8140		97.545	1.700	0.000	0.55		198.4
1.005	S4008		97.498	1.872	0.000	1.51		245.4
1.006	S4011		97.440	1.851	0.000	0.51		223.7
1.007	S4012		97.312	2.227	0.000	0.82		258.4
3.000	S8157		97.137	0.832	0.000	0.16		39.3
3.001	S8159		97.110	1.630	11.645	0.53		112.4
3.002	S8154		97.182	1.842	0.000	0.49		142.0
3.003	S8155		97.163	1.998	0.000	0.36		157.1
1.008	S5015		97.154	2.309	0.000	1.45		411.4
1.009	S5016		96.956	2.251	0.000	1.09		401.3
1.010	S5017 - PH4 Connection		96.745	2.270	0.000	2.17		446.6
4.000	S5018		96.480	1.076	0.000	0.18		37.8
1.011	S5019		96.448	2.043	0.000	2.96		469.7
1.012	S5020 PH5 Connection		96.069	1.704	0.000	3.63		483.7

PN	US/MH Name	Status	Level Exceeded
1.000	S8142	SURCHARGED	
2.000	S8133	SURCHARGED	
1.001	S8134	SURCHARGED	
1.002	S8141	SURCHARGED	
1.003	S8139	SURCHARGED	
1.004	S8140	FLOOD RISK	
1.005	S4008	FLOOD RISK	
1.006	S4011	SURCHARGED	
1.007	S4012	FLOOD RISK	
3.000	S8157	SURCHARGED	
3.001	S8159	FLOOD	2
3.002	S8154	FLOOD RISK	
3.003	S8155	FLOOD RISK	
1.008	S5015	SURCHARGED	
1.009	S5016	FLOOD RISK	
1.010	S5017 - PH4 Connection	SURCHARGED	
4.000	S5018	FLOOD RISK	
1.011	S5019	SURCHARGED	
1.012	S5020 PH5 Connection	FLOOD RISK	

JS Bloor (Wilmslow) Ltd

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

Date 07/02/2024 10:59
File STORM PHASE 4 -

Elstree Computing Ltd

Page 10



Designed by d_southa
Checked by

Network 2017.1.1

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

5

PN	US/MH Name	First (Z) Overflow	Overflow Act.	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. Overflow (l/s)
5.002	S5028			95.412	1.396	1.669	1.22
1.014	S5029			95.389	1.419	0.000	2.84
1.015	S5030			95.126	1.199	0.000	2.75
1.016	S8121			94.851	0.964	0.000	3.11
1.017	S5036 - Headwall			94.546	0.221	0.000	0.76
7.000	S8135			98.246	1.630	13.539	0.82
7.001	S8136			98.423	1.880	0.000	1.11
7.002	S8137			98.380	1.906	0.000	1.69
7.003	S8161			98.188	1.774	0.000	1.73
8.000	S8151			98.013	1.556	2.235	0.89
7.004	S8162			97.936	1.597	7.550	1.70
7.005	S8152			97.662	1.462	0.203	1.40
9.000	S8144			97.539	0.989	0.000	0.33
9.001	S8145			97.505	1.130	0.000	0.28
7.006	S8146			97.466	1.376	2.889	1.15
10.000	S8165			97.188	1.193	0.000	0.09
10.001	S8164			97.185	1.274	10.692	0.58
7.007	S8147			97.194	1.314	0.000	0.93
7.008	S8150			96.904	1.359	0.007	1.44
7.009	S8149			96.550	1.185	29.017	2.23
11.000	S5037			96.395	1.015	0.014	0.46
11.001	S5038			96.362	1.129	0.000	0.53
11.002	S5039			96.332	1.176	0.000	0.55
12.000	S5040			96.516	1.133	5.353	1.52
7.010	S5041			96.301	0.998	0.000	0.90
7.011	S5042			95.965	1.110	0.000	0.82
7.012	S5047			95.437	1.417	1.059	1.68
7.013	S8167			95.052	1.197	0.000	1.98
7.014	S5048 - Headwall			94.672	0.797	0.000	2.02
1.018	S5049 - Headwall			94.489	0.539	0.000	2.44
1.019	S5050 Control Chamber			94.128	0.678	0.000	0.13

PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded
1.013	S5021	510.1	FLOOD RISK	
5.000	S5023	96.9	SURCHARGED	
5.001	S5025	151.7	FLOOD	2
6.000	S5026	38.2	SURCHARGED	
6.001	S5027	84.9	FLOOD RISK	
5.002	S5028	208.7	FLOOD	2
1.014	S5029	748.7	FLOOD RISK	
1.015	S5030	688.6	SURCHARGED	
1.016	S8121	715.2	SURCHARGED	
1.017	S5036 - Headwall	736.3	FLOOD RISK	

©1982-2017 XP Solutions

JS Bloor (Wilmslow) Ltd				Page 11	
Dean Court 85 Adlington Road Wilmslow SK9 1BT					
Date 07/02/2024 10:59		Designed by d_southa			
File STORM PHASE 4 -		Checked by			
Elstree Computing Ltd		Network 2017.1.1			
<u>Summary of Critical Results by Maximum Level (Rank 1) for Surface Network</u>					
<u>5</u>					
PN	US/MH Name	Pipe Flow (l/s)	Status	Level Exceeded	
7.000		S8135 114.7	FLOOD	4	
7.001		S8136 154.3	FLOOD RISK		
7.002		S8137 229.4	FLOOD RISK		
7.003		S8161 243.0	FLOOD RISK		
8.000		S8151 65.4	FLOOD	4	
7.004		S8162 335.6	FLOOD	4	
7.005		S8152 355.7	FLOOD	1	
9.000		S8144 26.8	SURCHARGED		
9.001		S8145 58.2	FLOOD RISK		
7.006		S8146 403.4	FLOOD	4	
10.000		S8165 15.4	FLOOD RISK		
10.001		S8164 100.7	FLOOD	4	
7.007		S8147 412.3	FLOOD RISK		
7.008		S8150 418.0	FLOOD	1	
7.009		S8149 417.6	FLOOD	4	
11.000		S5037 16.8	FLOOD	1	
11.001		S5038 32.8	FLOOD RISK		
11.002		S5039 34.2	FLOOD RISK		
12.000		S5040 58.5	FLOOD	4	
7.010		S5041 460.8	FLOOD RISK		
7.011		S5042 482.1	FLOOD RISK		
7.012		S5047 524.1	FLOOD	2	
7.013		S8167 548.4	FLOOD RISK		
7.014	S5048 - Headwall	513.9	FLOOD RISK		
1.018	S5049 - Headwall	1227.7	FLOOD RISK		
1.019	S5050 Control Chamber	12.3	SURCHARGED		
©1982-2017 XP Solutions					