

Gary Gabriel Associates		Page 0
Becket House Vestry Road Kent TN14 5EL	SSL BOGNOR REGIS SURFACE WATER DRAINAGE 100 YR STORM + CC	
Date 18th MAY 2012 File 28506 - SW DESIG...	Designed by MRW - REV C Checked by	
Micro Drainage	Network W.12.6.1	

Existing Network Details for 28506 - SW DESIGN - 25-04-12.SWS

* - Indicates pipe has been modified outside of System 1

	PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	k (mm)	HYD SECT	DIA (mm)
	* 1.000	11.354	0.057	199.2	0.279	5.00	0.600	o	375
	* 1.001	16.365	0.065	251.8	0.097	0.00	0.600	o	450
	* 2.000	20.797	0.083	250.6	0.103	5.00	0.600	o	300
	* 1.002	16.468	0.066	249.5	0.000	0.00	0.600	o	450
	* 3.000	8.569	0.024	357.0	0.297	5.00	0.600	o	375
	* 1.003	29.760	0.119	250.1	0.072	0.00	0.600	o	450
	* 4.000	5.000	0.020	250.0	0.210	5.00	0.600	o	300
	* 1.004	53.016	0.212	250.1	0.041	0.00	0.600	o	450
	* 1.005	77.292	0.309	250.1	0.046	0.00	0.600	o	450
	* 5.000	32.000	0.107	299.1	0.112	5.00	0.600	o	225
	5.001	90.000	0.300	300.0	0.000	0.00	0.600	o	225
	6.000	90.000	0.600	150.0	0.052	5.00	0.600	o	225
	7.000	9.871	0.025	394.8	0.368	5.00	0.600	o	300
PN	US/MH Name	US/CL (m)	US/IL (m)	US C.Depth (m)	DS/CL (m)	DS/IL (m)	DS C.Depth (m)	Ctrl	US/MH (mm)
*	1.000	S12.1	2.000	1.153	0.472	2.000	1.096	0.529	1800
*	1.001	S12	2.000	1.021	0.529	2.000	0.956	0.594	1800
*	2.000	S11.1	2.000	1.189	0.511	2.000	1.106	0.594	1800
*	1.002	S11	2.000	0.956	0.594	2.000	0.890	0.660	1800
*	3.000	S10.1	2.000	0.989	0.636	2.000	0.965	0.660	1800
*	1.003	S10	2.000	0.890	0.660	2.000	0.771	0.779	1800
*	4.000	S9.1	2.000	0.941	0.759	2.000	0.921	0.779	1800
*	1.004	S9	2.000	0.771	0.779	2.000	0.559	0.991	1800
*	1.005	S8	2.000	0.559	0.991	1.750	0.250	1.050	1800
*	5.000	S7	2.150	0.894	1.031	2.050	0.787	1.038	1200
	5.001	S6	2.050	0.680	1.145	1.820	0.380	1.215	1200
	6.000	S5	2.330	0.980	1.125	1.820	0.380	1.215	1200
	7.000	Syphon Drop	2.100	1.300	0.500	2.200	1.275	0.625	300

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	PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	k (mm)	HYD SECT	DIA (mm)
	7.001	6.250	0.025	250.0	0.000	0.00	0.600	o	375
*	7.002	6.250	0.025	250.0	0.000	0.00	0.600	o	375
	7.003	47.048	0.110	427.7	0.000	0.00	0.600	o	450
	8.000	2.864	0.025	114.6	0.364	5.00	0.600	o	300
	8.001	17.995	0.076	236.8	0.000	0.00	0.600	o	375
*	7.004	36.000	0.085	423.5	0.000	0.00	0.600	o	450
*	9.000	56.750	0.000	0.0	0.076	5.00	0.600	o	225
*	9.001	9.550	0.000	0.0	0.011	0.00	0.600	o	350
	10.000	50.700	0.000	0.0	0.145	5.00	0.600	o	350
*	10.001	24.399	0.125	195.2	0.000	0.00	0.600	o	375
*	10.002	32.201	0.000	0.0	0.047	0.00	0.600	o	51
*	9.002	15.214	0.100	152.1	0.000	0.00	0.600	o	450
	9.003	15.680	0.000	0.0	0.106	0.00	0.600	o	51
	11.000	48.067	0.000	0.0	0.209	5.00	0.600	o	350
	12.000	14.097	0.000	0.0	0.038	5.00	0.600	o	225
	12.001	3.982	0.000	0.0	0.000	0.00	0.600	o	225
PN	US/MH Name	US/CL (m)	US/IL (m)	US C.Depth (m)	DS/CL (m)	DS/IL (m)	DS C.Depth (m)	Ctrl	US/MH (mm)
	7.001	SB2	2.200	0.700	1.125	2.080	0.675	1.030	1800
*	7.002	RHU	2.080	0.675	1.030	2.080	0.650	1.055	6000 x 2400
	7.003	S4	2.080	0.575	1.055	2.080	0.465	1.165	1200
	8.000	Syphon Drop	2.200	1.600	0.300	2.200	1.575	0.325	300
	8.001	SB1	2.200	1.000	0.825	2.080	0.924	0.781	1800
*	7.004	S3	2.080	0.465	1.165	1.820	0.380	0.990	1800
*	9.000	AP	2.000	1.590	0.185	2.000	1.590	0.185	225
*	9.001	Step	2.000	1.465	0.185	2.000	1.465	0.185	350
	10.000	AP	1.900	1.250	0.300	1.900	1.250	0.300	350
*	10.001	Outlet	1.900	1.225	0.300	2.000	1.100	0.525	375
*	10.002	Inlet	2.000	1.100	0.367	2.000	1.100	0.367	600 x 600
*	9.002	Inlet / Outlet	2.000	1.100	0.450	1.700	1.000	0.250	600 x 600
	9.003	Inlet	1.700	0.892	0.275	1.700	0.892	0.275	600 x 600
	11.000	AP	1.700	1.165	0.185	1.700	1.165	0.185	350
	12.000	AP	1.700	1.290	0.185	1.700	1.290	0.185	225
	12.001	Outlet	1.700	1.290	0.185	1.700	1.290	0.185	225
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Micro Drainage			Network W.12.6.1							
<u>Existing Network Details for 28506 - SW DESIGN - 25-04-12.SWS</u>										
	PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	k (mm)	HYD SECT	DIA (mm)	
	12.002	15.250	0.000	0.0	0.040	0.00	0.600	o	225	
	11.001	32.376	0.100	323.8	0.000	0.00	0.600	o	375	
	13.000	27.677	0.000	0.0	0.179	5.00	0.600	o	350	
	11.002	31.328	0.000	0.0	0.108	0.00	0.600	o	51	
	* 14.000	22.269	0.000	0.0	0.037	5.00	0.600	o	225	
	* 15.000	52.422	0.000	0.0	0.040	5.00	0.600	o	225	
	* 14.001	27.225	0.210	129.6	0.000	0.00	0.600	o	225	
	* 16.000	10.994	0.000	0.0	0.213	5.00	0.600	o	350	
	* 17.000	55.542	0.000	0.0	0.247	5.00	0.600	o	51	
	* 14.002	39.394	0.110	358.1	0.000	0.00	0.600	o	375	
	* 9.004	4.627	0.010	462.7	0.000	0.00	0.600	o	600	
	9.005	5.627	0.100	56.3	0.000	0.00	0.600	o	600	
	PN	US/MH Name	US/CL (m)	US/IL (m)	US C.Depth (m)	DS/CL (m)	DS/IL (m)	DS C.Depth (m)	Ctrl	US/MH (mm)
	12.002	AP	1.700	1.290	0.185	1.700	1.290	0.185		225
	11.001	Inlet / Outlet	1.700	1.140	0.185	1.700	1.040	0.285		600 x 600
	13.000	AP	1.700	1.165	0.185	1.700	1.165	0.185		350
	11.002	Step	1.700	0.892	0.275	1.700	0.892	0.275		600 x 600
	* 14.000	AP	1.870	1.460	0.185	1.870	1.460	0.185		225
	* 15.000	AP	1.870	1.460	0.185	1.870	1.460	0.185		225
	* 14.001	Inlet / Outlet B	1.870	0.860	0.785	1.650	0.650	0.775		1200
	* 16.000	AP	1.650	1.115	0.185	1.650	1.115	0.185		350
	* 17.000	AP	1.650	1.115	0.002	1.650	1.115	0.002		600 x 600
	* 14.002	Inlet / Outlet A	1.650	0.630	0.645	1.700	0.520	0.805		1200
	* 9.004	Inlet / Outlet	1.700	0.500	0.600	1.800	0.490	0.710		1325
	9.005	Separator	1.800	0.490	0.710	1.820	0.390	0.830		1875 x 5070
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	PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	k (mm)	HYD SECT	DIA (mm)	
	* 5.002	18.000	0.050	360.0	0.000	0.00	0.600	oo	-1	
	* 5.003	18.000	0.050	360.0	0.000	0.00	0.600	oo	-1	
	* 1.006	11.000	0.000	0.0	0.000	0.00	0.600	o	450	
	* 18.000	21.629	0.090	240.3	0.063	5.00	0.600	o	225	
	* 19.000	13.881	0.160	86.8	0.143	5.00	0.600	o	225	
	20.000	73.998	0.550	134.5	0.109	5.00	0.600	o	225	
	20.001	5.815	0.550	10.6	0.000	0.00	0.600	o	225	
	21.000	19.535	0.110	177.6	0.054	5.00	0.600	o	150	
	21.001	80.000	0.755	106.0	0.000	0.00	0.600	o	150	
	* 20.002	32.722	0.220	148.7	0.000	0.00	0.600	o	300	
	* 18.001	2.541	0.030	84.7	0.000	0.00	0.600	o	300	
	* 18.002	2.788	0.030	92.9	0.000	0.00	0.600	o	300	
	* 18.003	125.879	-1.170	-107.6	0.000	0.00	0.600	o	100	
	1.007	15.698	0.150	104.7	0.000	0.00	0.600	o	53	
PN	US/MH Name	US/CL (m)	US/IL (m)	US C.Depth (m)	DS/CL (m)	DS/IL (m)	DS C.Depth (m)	Ctrl	US/MH (mm)	
* 5.002	S2	1.820	0.380	0.990	1.780	0.330	1.000		1800	
* 5.003	SDS Tank	1.780	0.330	1.000	1.750	0.280	1.020		1800	
* 1.006	S1A	1.750	0.280	1.020	1.750	0.280	1.020		2100	
* 18.000	S14	0.880	-0.245	0.900	1.140	-0.335	1.250		1800	
* 19.000	S13	0.950	-0.175	0.900	1.140	-0.335	1.250		1800	
20.000	AP	1.410	0.985	0.200	0.860	0.435	0.200		225	
20.001	Outlet	0.860	0.435	0.200	1.010	-0.115	0.900		600 x 600	
21.000	S17	1.650	0.900	0.600	1.540	0.790	0.600		1200	
21.001	S16	1.540	0.715	0.675	1.010	-0.040	0.900		1200	
* 20.002	S15	1.010	-0.190	0.900	1.140	-0.410	1.250		1800	
* 18.001	S12	1.140	-0.410	1.250	1.190	-0.440	1.330		2100	
* 18.002	Separator	1.190	-0.540	1.430	1.210	-0.570	1.480		2260 x 1225	
* 18.003	SW Pump Station	1.210	-0.570	1.680	1.750	0.600	1.050	Pump	3000	
1.007	S1	1.750	0.250	0.814	1.800	0.100	1.014		1800	
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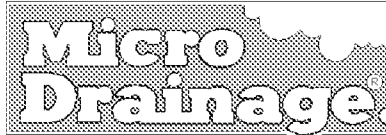
Conduit Sections for 28506 - SW DESIGN - 25-04-12.SWS

NOTE: Diameters less than 66 refer to section numbers of hydraulic conduits. These conduits are marked by the symbols:- [] box culvert, \ / open channel, oo dual pipe, ooo triple pipe, O egg.

Section numbers < 0 are taken from user conduit table

Section Number	Conduit Type	Major Dimn. (mm)	Minor Dimn. (mm)	Side Slope (Deg)	Corner Splay (mm)	4*Hyd Radius (m)	XSect Area (m ²)
51	O	356	533			0.412	0.145
53	O	457	686			0.529	0.240
-1	oo	900	450			0.450	0.318

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<u>Setting Out Information - True Coordinates (28506 - SW DESIGN - 25-04-12.SWS)</u>							
PN	USMH Name	Dia/Len (mm)	Width (mm)	US Easting (m)	US Northing (m)	Layout (North)	
7.003		S4	1200	494130.205	100675.066		
8.000	Syphon Drop		300	494182.881	100634.630		
8.001		SB1	1800	494181.220	100636.964		
7.004		S3	1800	494171.137	100651.868		
9.000		AP	225	494107.001	100693.981		
9.001	Step		350	494156.407	100666.060		
10.000		AP	350	494172.836	100577.503		
10.001	Outlet		375	494197.779	100621.643		
10.002	Inlet		600	600	494192.755	100645.519	
9.002	Inlet / Outlet		600	600	494164.721	100661.362	
9.003	Inlet		600	600	494172.206	100674.607	
11.000		AP	350	494199.873	100657.751		
12.000		AP	225	494239.919	100728.614		
12.001	Outlet		225	494232.983	100716.341		
12.002		AP	225	494231.024	100712.874		
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<u>Setting Out Information - True Coordinates (28506 - SW DESIGN - 25-04-12.SWS)</u>						
PN	USMH Name	Dia/Len (mm)	Width (mm)	US Easting (m)	US Northing (m)	Layout (North)
11.001	Inlet / Outlet	600	600	494223.523	100699.597	
13.000	AP	350		494208.957	100739.622	
11.002	Step	600	600	494195.338	100715.528	
14.000	AP	225		494110.887	100701.519	
15.000	AP	225		494147.636	100766.544	
14.001	Inlet / Outlet B	1200		494121.851	100720.902	
16.000	AP	350		494140.136	100697.941	
17.000	AP	600	600	494172.878	100755.864	
14.002	Inlet / Outlet A	1200		494145.553	100707.508	
9.004	Inlet / Outlet	1325		494179.922	100688.256	
9.005	Separator	1875	5070	494183.950	100685.980	
5.002	S2	1800		494188.848	100683.210	
5.003	SDS Tank	1800		494204.507	100674.335	
1.006	S1A	2100		494220.167	100665.459	
18.000	S14	1800		494147.084	100562.239	
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Setting Out Information - True Coordinates (28506 - SW DESIGN - 25-04-12.SWS)

PN	USMH Name	Dia/Len (mm)	Width (mm)	US Easting (m)	US Northing (m)	Layout (North)
19.000	S13	1800		494152.316	100548.722	
20.000	AP	225		494213.511	100647.546	
20.001	Outlet	600	600	494177.104	100583.124	
21.000	S17	1200		494228.655	100667.810	
21.001	S16	1200		494219.492	100650.557	
20.002	S15	1800		494182.035	100580.042	
18.001	S12	2100		494165.901	100551.574	
18.002	Separator	2260	1225	494168.111	100550.321	
18.003	SW Pump Station	3000		494170.537	100548.946	
1.007	S1	1800		494229.737	100660.036	

PN	DSMH Name	Dia/Len (mm)	Width (mm)	DS Easting (m)	DS Northing (m)	Layout (North)
1.007	1	1800		494243.703	100652.868	

Free Flowing Outfall Details for 28506 - SW DESIGN - 25-04-12.SWS

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.007	1	1.800	0.100	0.000	1800	0

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Simulation Criteria for 28506 - SW DESIGN - 25-04-12.SWS

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	10.000
Areal Reduction Factor	1.000	MADD Factor * 10m ³ /ha Storage	2.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs	0	Number of Storage Structures	1
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.000	Storm Duration (mins)	30
Ratio R	0.350		

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Online Controls for 28506 - SW DESIGN - 25-04-12.SWS

Pump Manhole: SW Pump Station, DS/PN: 18.003, Volume (m³): 12.6

Invert Level (m) -0.570

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	30.0000	0.900	30.0000	1.700	30.0000	2.500	30.0000
0.200	30.0000	1.000	30.0000	1.800	30.0000	2.600	30.0000
0.300	30.0000	1.100	30.0000	1.900	30.0000	2.700	30.0000
0.400	30.0000	1.200	30.0000	2.000	30.0000	2.800	30.0000
0.500	30.0000	1.300	30.0000	2.100	30.0000	2.900	30.0000
0.600	30.0000	1.400	30.0000	2.200	30.0000	3.000	30.0000
0.700	30.0000	1.500	30.0000	2.300	30.0000		
0.800	30.0000	1.600	30.0000	2.400	30.0000		

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Storage Structures for 28506 - SW DESIGN - 25-04-12.SWS

Cellular Storage Manhole: SDS Tank, DS/PN: 5.003

Invert Level (m) 0.330 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95
Infiltration Coefficient Side (m/hr) 0.00000

Depth (m)	Area (m ²)	Inf. Area (m ²)	Depth (m)	Area (m ²)	Inf. Area (m ²)
0.000	1920.0	1920.0	0.600	0.0	2012.0
0.500	1920.0	2012.0			

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Becket House	SSL BOGNOR REGIS		
Vestry Road	SURFACE WATER DRAINAGE		
Kent TN14 5EL	100 YR STORM + CC		
Date 18th MAY 2012	Designed by MRW - REV C		
File 28506 - SW DESIG...	Checked by		
Micro Drainage	Network W.12.6.1		
Summary of Critical Results by Maximum Level (Rank 1) for 28506 - SW DESIGN - 25-04-12.SWS			
Margin for Flood Risk Warning (mm)		300.0	
Analysis Timestep 2.5 Second Increment (Extended)			
DTS Status		ON	
DVD Status		ON	
Inertia Status		ON	
Profile(s)		Summer and Winter	
Duration(s) (mins) 15, 30, 60, 120, 240, 360, 480, 960, 1440			
Return Period(s) (years)		100	
Climate Change (%)		20	
PN	Storm	Return Climate Period Change	First X First Y First Z O/F Lvl Surcharge Flood Overflow Act. Exc.
1.000	30 Winter	100 +20%	100/15 Summer 100/15 Summer 6
1.001	15 Winter	100 +20%	100/15 Summer 100/15 Summer 5
2.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 5
1.002	15 Winter	100 +20%	100/15 Summer 100/15 Summer 2
3.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 5
1.003	15 Winter	100 +20%	100/15 Summer 100/15 Summer
4.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 3
1.004	15 Summer	100 +20%	100/15 Summer
1.005	15 Winter	100 +20%	100/15 Summer
5.000	15 Winter	100 +20%	100/15 Summer
5.001	15 Winter	100 +20%	100/15 Summer
6.000	15 Winter	100 +20%	100/15 Summer
7.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 2
7.001	15 Winter	100 +20%	100/15 Summer
7.002	15 Winter	100 +20%	100/15 Summer
7.003	15 Winter	100 +20%	100/15 Summer
8.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
8.001	15 Winter	100 +20%	100/15 Summer
7.004	15 Winter	100 +20%	100/15 Summer
9.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
9.001	15 Winter	100 +20%	
10.000	15 Winter	100 +20%	100/15 Summer
10.001	15 Winter	100 +20%	100/15 Summer
10.002	15 Winter	100 +20%	100/15 Summer
9.002	15 Winter	100 +20%	100/15 Summer
9.003	15 Winter	100 +20%	100/15 Summer
11.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
12.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 5
12.001	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
12.002	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
11.001	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
13.000	15 Winter	100 +20%	100/15 Summer
11.002	15 Winter	100 +20%	100/15 Summer
14.000	15 Winter	100 +20%	100/15 Summer
13.000	15 Winter	100 +20%	100/15 Summer
14.001	15 Winter	100 +20%	100/15 Summer
16.000	15 Winter	100 +20%	100/15 Summer 100/15 Summer 4
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Becket House Vestry Road Kent TN14 5EL	SSL BOGNOR REGIS SURFACE WATER DRAINAGE 100 YR STORM + CC	
Date 18th MAY 2012 File 28506 - SW DESIG...	Designed by MRW - REV C Checked by	
Micro Drainage	Network W.12.6.1	

Summary of Critical Results by Maximum Level (Rank 1) for 28506 - SW DESIGN
- 25-04-12.SWS

PN	Storm	Return Period	Climate Change	First X Surcharge	First Y Flood	First Z Overflow	O/F Act.	Lvl Exc.
17.000	15 Winter	100	+20%	100/15 Summer	100/15 Summer			5
14.002	15 Winter	100	+20%	100/15 Summer				
9.004	15 Winter	100	+20%	100/15 Summer				
9.005	15 Winter	100	+20%	100/15 Summer				
5.002	120 Winter	100	+20%	100/15 Summer				
5.003	120 Winter	100	+20%	100/30 Winter				
1.006	120 Winter	100	+20%	100/15 Summer				
18.000	30 Winter	100	+20%	100/15 Summer	100/15 Summer			8
19.000	30 Winter	100	+20%	100/15 Summer	100/15 Summer			7
20.000	15 Winter	100	+20%	100/15 Summer				
20.001	60 Winter	100	+20%	100/15 Summer	100/15 Summer			8
21.000	15 Winter	100	+20%	100/15 Summer	100/15 Winter			2
21.001	15 Winter	100	+20%	100/15 Summer				
20.002	15 Summer	100	+20%	100/15 Summer				
18.001	15 Summer	100	+20%	100/15 Summer				
18.002	30 Summer	100	+20%	100/15 Summer				
18.003	30 Summer	100	+20%	100/15 Summer				
1.007	120 Winter	100	+20%					

PN	US/MH Name	Water Level (m)	Surch'd Depth (m)	Flooded Volume (m³)	Flow / Cap.	O'flow (l/s)	Pipe Flow (l/s)	Status
1.000		S12.1	2.027	0.499	26.723	0.69	0.0	74.3 FLOOD
1.001		S12	2.011	0.540	10.638	0.61	0.0	97.2 FLOOD
2.000		S11.1	2.009	0.520	9.388	0.87	0.0	53.1 FLOOD
1.002		S11	2.001	0.595	0.757	0.72	0.0	115.0 FLOOD
3.000		S10.1	2.009	0.645	9.259	1.59	0.0	109.2 FLOOD
1.003		S10	1.987	0.647	0.667	1.16	0.0	203.8 FLOOD
4.000		S9.1	2.001	0.760	1.269	2.11	0.0	97.7 FLOOD
1.004		S9	1.997	0.696	0.000	1.47	0.0	274.3 FLOOD RISK
1.005		S8	1.445	0.436	0.000	1.47	0.0	280.1 SURCHARGED
5.000		S7	2.099	0.980	0.000	1.59	0.0	44.6 FLOOD RISK
5.001		S6	1.834	0.929	0.000	1.36	0.0	33.7 FLOOD RISK
6.000		S5	1.328	0.123	0.000	0.56	0.0	23.0 SURCHARGED
7.000	Syphon Drop	2.103	0.503	2.574	4.66	0.0	175.6	FLOOD
7.001		SB2	1.823	0.748	0.000	1.97	0.0	161.7 SURCHARGED
7.002		RSD	1.712	0.662	0.000	1.59	0.0	130.2 SURCHARGED
7.003		S4	1.602	0.577	0.000	0.92	0.0	129.4 SURCHARGED
8.000	Syphon Drop	2.207	0.307	7.105	2.56	0.0	147.5	FLOOD
8.001		SB1	1.650	0.275	0.000	1.37	0.0	146.6 SURCHARGED
7.004		S3	1.507	0.592	0.000	2.00	0.0	275.2 SURCHARGED
9.000		AP	2.002	0.187	1.900	1.86	0.0	28.9 FLOOD
9.001	Step	1.688	-0.127	0.000	0.73	0.0	32.5	OK
10.000		AP	1.960	0.260	0.000	1.45	0.0	70.5 FLOOD RISK
10.001	Outlet	1.793	0.193	0.000	0.47	0.0	57.3	FLOOD RISK
10.002	Inlet	1.697	0.054	0.000	1.13	0.0	63.3	SURCHARGED
9.002	Inlet / Outlet	1.648	0.098	0.000	0.57	0.0	101.9	SURCHARGED
9.003	Inlet	1.527	0.102	0.000	2.52	0.0	124.0	FLOOD RISK
11.000		AP	1.716	0.201	15.741	1.67	0.0	79.2 FLOOD

