

Jubb Consulting Engineers Limited		Page 1
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
Innovyze	Network 2019.1	

STORM SEWER DESIGN by the Modified Rational Method

Design Criteria for Storm

Pipe Sizes STANDARD Manhole Sizes STANDARD

FEH Rainfall Model

Return Period (years)	100
FEH Rainfall Version	1999
Site Location GB 386850 145550 ST 86850 45550	
C (1km)	-0.027
D1 (1km)	0.363
D2 (1km)	0.417
D3 (1km)	0.273
E (1km)	0.289
F (1km)	2.484
Maximum Rainfall (mm/hr)	50
Maximum Time of Concentration (mins)	30
Foul Sewage (l/s/ha)	0.000
Volumetric Runoff Coeff.	0.750
PIMP (%)	100
Add Flow / Climate Change (%)	0
Minimum Backdrop Height (m)	0.200
Maximum Backdrop Height (m)	1.500
Min Design Depth for Optimisation (m)	1.200
Min Vel for Auto Design only (m/s)	1.00
Min Slope for Optimisation (1:X)	500

Designed with Level Soffits

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall C. Level Name (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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1.027 133.500 132.425 0.000 0 0

Datum (m) 132.425 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
30	0.782	330	0.782	630	0.782	930	0.782	1230	0.782	1530	0.782
60	0.782	360	0.782	660	0.782	960	0.782	1260	0.782	1560	0.782
90	0.782	390	0.782	690	0.782	990	0.782	1290	0.782	1590	0.782
120	0.782	420	0.782	720	0.782	1020	0.782	1320	0.782	1620	0.782
150	0.782	450	0.782	750	0.782	1050	0.782	1350	0.782	1650	0.782
180	0.782	480	0.782	780	0.782	1080	0.782	1380	0.782	1680	0.782
210	0.782	510	0.782	810	0.782	1110	0.782	1410	0.782	1710	0.782
240	0.782	540	0.782	840	0.782	1140	0.782	1440	0.782	1740	0.782
270	0.782	570	0.782	870	0.782	1170	0.782	1470	0.782	1770	0.782
300	0.782	600	0.782	900	0.782	1200	0.782	1500	0.782	1800	0.782

Jubb Consulting Engineers Limited		Page 2
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
Innovyze	Network 2019.1	

Surcharged Outfall Details for Storm

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
1830	0.782	2010	0.782	2190	0.782	2370	0.782	2550	0.782	2730	0.782
1860	0.782	2040	0.782	2220	0.782	2400	0.782	2580	0.782	2760	0.782
1890	0.782	2070	0.782	2250	0.782	2430	0.782	2610	0.782	2790	0.782
1920	0.782	2100	0.782	2280	0.782	2460	0.782	2640	0.782	2820	0.782
1950	0.782	2130	0.782	2310	0.782	2490	0.782	2670	0.782	2850	0.782
1980	0.782	2160	0.782	2340	0.782	2520	0.782	2700	0.782	2880	0.782

Surcharged Outfall Details for Storm

Outfall Pipe Number	Outfall C. Level Name	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
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38.001 133.500 132.425 0.000 0 0

Datum (m) 132.425 Offset (mins) 0

Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)	Time (mins)	Depth (m)
30	0.782	510	0.782	990	0.782	1470	0.782	1950	0.782	2430	0.782
60	0.782	540	0.782	1020	0.782	1500	0.782	1980	0.782	2460	0.782
90	0.782	570	0.782	1050	0.782	1530	0.782	2010	0.782	2490	0.782
120	0.782	600	0.782	1080	0.782	1560	0.782	2040	0.782	2520	0.782
150	0.782	630	0.782	1110	0.782	1590	0.782	2070	0.782	2550	0.782
180	0.782	660	0.782	1140	0.782	1620	0.782	2100	0.782	2580	0.782
210	0.782	690	0.782	1170	0.782	1650	0.782	2130	0.782	2610	0.782
240	0.782	720	0.782	1200	0.782	1680	0.782	2160	0.782	2640	0.782
270	0.782	750	0.782	1230	0.782	1710	0.782	2190	0.782	2670	0.782
300	0.782	780	0.782	1260	0.782	1740	0.782	2220	0.782	2700	0.782
330	0.782	810	0.782	1290	0.782	1770	0.782	2250	0.782	2730	0.782
360	0.782	840	0.782	1320	0.782	1800	0.782	2280	0.782	2760	0.782
390	0.782	870	0.782	1350	0.782	1830	0.782	2310	0.782	2790	0.782
420	0.782	900	0.782	1380	0.782	1860	0.782	2340	0.782	2820	0.782
450	0.782	930	0.782	1410	0.782	1890	0.782	2370	0.782	2850	0.782
480	0.782	960	0.782	1440	0.782	1920	0.782	2400	0.782	2880	0.782

Jubb Consulting Engineers Limited		Page 3
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
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Summary of Critical Results by Maximum Level (Rank 1) for Storm

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	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	36
Number of Online Controls	36	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FEH
FEH Rainfall Version	1999
Site Location	GB 386850 145550 ST 86850 45550
C (1km)	-0.027
D1 (1km)	0.363
D2 (1km)	0.417
D3 (1km)	0.273
E (1km)	0.289
F (1km)	2.484
Cv (Summer)	0.750
Cv (Winter)	0.840

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

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

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
1.001	SIC 16-1	120 Winter	100	+45%	100/15 Summer			
1.002	SMH 108	15 Winter	100	+45%				
2.000	DIST TANK	360 Winter	100	+45%	100/15 Summer			
2.001	SIC 17-1	360 Winter	100	+45%	100/15 Summer			
1.003	JUNCTION	15 Winter	100	+45%				
3.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
3.001	SIC 96-1	180 Winter	100	+45%	100/15 Summer			
1.004	JUNCTION	15 Summer	100	+45%				
4.000	DIST TANK	180 Winter	100	+45%	100/15 Summer			

Jubb Consulting Engineers Limited		Page 4
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
Innovyze	Network 2019.1	

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

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.000	DIST TANK	137.569	0.409	0.000	0.15		0.6	FLOOD RISK	
1.001	SIC 16-1	137.586	0.446	0.000	0.03		0.6	FLOOD RISK	
1.002	SMH 108	136.022	-0.133	0.000	0.35		27.6	OK	
2.000	DIST TANK	137.074	0.284	0.000	0.08		0.3	FLOOD RISK	
2.001	SIC 17-1	137.099	0.329	0.000	0.01		0.3	FLOOD RISK	
1.003	JUNCTION	135.551	-0.117	0.000	0.47		27.8	OK*	
3.000	DIST TANK	136.797	0.107	0.000	0.06		0.2	SURCHARGED	
3.001	SIC 96-1	136.810	0.140	0.000	0.01		0.2	SURCHARGED	
1.004	JUNCTION	135.359	-0.133	0.000	0.35		27.9	OK*	
4.000	DIST TANK	136.807	0.327	0.000	0.08		0.3	FLOOD RISK	

Jubb Consulting Engineers Limited

Page 5

Unit 1, Ensign House
Parkway Court, Longbridge Road
Plymouth, PL6 8LR

VICTORIA ROAD
POND C
SURCHARGED OUTFALL

Date 20/02/2026
File SWD NETWORK - POND C SU...

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Micro Drainage

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

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
4.001	SIC 92-1	180 Winter	100	+45%	100/15 Summer			
1.005	JUNCTION	60 Summer	100	+45%				
5.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
5.001	SIC 90-1	60 Winter	100	+45%	100/15 Summer			
1.006	JUNCTION	120 Summer	100	+45%				
6.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
6.001	SIC 88-1	180 Winter	100	+45%	100/15 Summer			
1.007	JUNCTION	180 Winter	100	+45%				
7.000	DIST TANK	60 Winter	100	+45%	100/30 Winter			
7.001	SIC 85-2	60 Winter	100	+45%	100/15 Summer			
7.002	SIC 85-1	60 Summer	100	+45%	100/15 Summer			
7.003	SMH 115	60 Summer	100	+45%	100/15 Summer			
8.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
8.001	SIC 83-1	180 Winter	100	+45%	100/15 Summer			
7.004	JUNCTION	180 Winter	100	+45%				
9.000	DIST TANK	15 Winter	100	+45%	100/15 Summer			
9.001	SIC 79-1	15 Winter	100	+45%	100/15 Summer			
7.005	JUNCTION	180 Winter	100	+45%				
10.000	DIST TANK	180 Winter	100	+45%	100/15 Summer			
10.001	SIC 78-1	180 Winter	100	+45%	100/15 Summer			
7.006	SMH 114	60 Summer	100	+45%	100/15 Summer			
11.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
11.001	SIC 86-1	60 Winter	100	+45%	100/15 Summer			
1.008	SMH 107	60 Summer	100	+45%	100/15 Summer			
12.000	DIST TANK	180 Winter	100	+45%	100/15 Summer			
12.001	SIC 75-1	180 Winter	100	+45%	100/15 Summer			
1.009	JUNCTION	240 Winter	100	+45%				
13.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
13.001	SIC 74-1	60 Winter	100	+45%	100/15 Summer			
1.010	JUNCTION	240 Winter	100	+45%				
1.011	SMH 106	60 Summer	100	+45%	100/15 Summer			
14.000	DIST TANK	240 Winter	100	+45%	100/15 Summer			
14.001	SIC 18-1	360 Winter	100	+45%	100/15 Summer			
1.012	SMH 105	60 Summer	100	+45%	100/15 Summer			
15.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
15.001	SIC 20-1	30 Winter	100	+45%	100/15 Summer			
1.013	JUNCTION	360 Winter	100	+45%				
16.000	DIST TANK	180 Winter	100	+45%	100/15 Summer			
16.001	SIC 73-1	180 Winter	100	+45%	100/15 Summer			
1.014	JUNCTION	360 Winter	100	+45%				
17.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
17.001	SIC 71-1	60 Winter	100	+45%	100/15 Summer			
1.015	JUNCTION	480 Winter	100	+45%				
18.000	DIST TANK	240 Winter	100	+45%	100/15 Summer			
18.001	SIC 70-1	240 Winter	100	+45%	100/15 Summer			
1.016	JUNCTION	480 Winter	100	+45%				
19.000	DIST TANK	180 Winter	100	+45%	100/15 Summer			
19.001	SIC 28-1	180 Winter	100	+45%	100/15 Summer			
1.017	JUNCTION	480 Winter	100	+45%				

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Jubb Consulting Engineers Limited		Page 6
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
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Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
4.001	SIC 92-1	136.828	0.368	0.000	0.01		0.3	FLOOD RISK	
1.005	JUNCTION	135.150	-0.023	0.000	0.27		23.9	OK*	
5.000	DIST TANK	136.557	0.327	0.000	0.22		0.9	FLOOD RISK	
5.001	SIC 90-1	136.575	0.365	0.000	0.03		0.9	FLOOD RISK	
1.006	JUNCTION	134.787	0.000	0.000	0.27		22.1	SURCHARGED*	
6.000	DIST TANK	136.425	0.415	0.000	0.15		0.6	FLOOD RISK	
6.001	SIC 88-1	136.437	0.447	0.000	0.02		0.6	FLOOD RISK	
1.007	JUNCTION	134.445	0.000	0.000	0.18		15.9	SURCHARGED*	
7.000	DIST TANK	134.786	0.041	0.000	0.05		0.2	SURCHARGED	
7.001	SIC 85-2	134.802	0.077	0.000	0.01		0.2	SURCHARGED	
7.002	SIC 85-1	135.076	0.631	0.000	0.13		1.5	SURCHARGED	
7.003	SMH 115	135.077	0.787	0.000	0.29		8.7	SURCHARGED	
8.000	DIST TANK	135.147	0.372	0.000	0.08		0.3	FLOOD RISK	
8.001	SIC 83-1	135.166	0.411	0.000	0.02		0.3	SURCHARGED	
7.004	JUNCTION	134.247	0.000	0.000	0.12		3.5	SURCHARGED*	
9.000	DIST TANK	135.428	0.383	0.000	0.91		3.6	FLOOD RISK	
9.001	SIC 79-1	135.419	0.394	0.000	0.16		3.6	FLOOD RISK	
7.005	JUNCTION	134.211	0.000	0.000	0.12		5.5	SURCHARGED*	
10.000	DIST TANK	135.584	0.369	0.000	0.09		0.3	FLOOD RISK	
10.001	SIC 78-1	135.606	0.411	0.000	0.01		0.3	FLOOD RISK	
7.006	SMH 114	135.059	0.954	0.000	0.34		14.5	SURCHARGED	
11.000	DIST TANK	136.170	0.440	0.000	0.35		1.4	FLOOD RISK	
11.001	SIC 86-1	136.176	0.466	0.000	0.05		1.4	FLOOD RISK	
1.008	SMH 107	135.043	1.038	0.000	0.47		44.7	SURCHARGED	
12.000	DIST TANK	135.989	0.369	0.000	0.09		0.3	FLOOD RISK	
12.001	SIC 75-1	136.011	0.411	0.000	0.01		0.3	FLOOD RISK	
1.009	JUNCTION	133.970	0.000	0.000	0.18		19.6	SURCHARGED*	
13.000	DIST TANK	135.551	0.441	0.000	0.25		1.0	FLOOD RISK	
13.001	SIC 74-1	135.561	0.471	0.000	0.04		1.0	SURCHARGED	
1.010	JUNCTION	133.930	0.000	0.000	0.21		22.9	SURCHARGED*	
1.011	SMH 106	134.803	0.914	0.000	0.49		51.7	SURCHARGED	
14.000	DIST TANK	135.477	0.347	0.000	0.08		0.3	FLOOD RISK	
14.001	SIC 18-1	135.500	0.390	0.000	0.01		0.3	FLOOD RISK	
1.012	SMH 105	134.693	0.856	0.000	0.53		53.5	SURCHARGED	
15.000	DIST TANK	135.298	0.378	0.000	0.33		1.3	FLOOD RISK	
15.001	SIC 20-1	135.297	0.397	0.000	0.05		1.3	FLOOD RISK	
1.013	JUNCTION	133.799	0.000	0.000	0.17		19.6	SURCHARGED*	
16.000	DIST TANK	134.873	0.173	0.000	0.07		0.3	SURCHARGED	
16.001	SIC 73-1	134.894	0.214	0.000	0.01		0.3	SURCHARGED	
1.014	JUNCTION	133.714	0.000	0.000	0.20		21.0	SURCHARGED*	
17.000	DIST TANK	134.870	0.340	0.000	0.14		0.6	FLOOD RISK	
17.001	SIC 71-1	134.881	0.371	0.000	0.03		0.6	FLOOD RISK	
1.015	JUNCTION	133.650	0.000	0.000	0.19		20.5	SURCHARGED*	
18.000	DIST TANK	134.806	0.356	0.000	0.15		0.6	FLOOD RISK	
18.001	SIC 70-1	134.831	0.401	0.000	0.03		0.6	FLOOD RISK	
1.016	JUNCTION	133.606	0.000	0.000	0.20		21.5	SURCHARGED*	
19.000	DIST TANK	134.653	0.318	0.000	0.08		0.3	FLOOD RISK	
19.001	SIC 28-1	134.675	0.360	0.000	0.01		0.3	FLOOD RISK	

Jubb Consulting Engineers Limited		Page 7
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
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Summary of Critical Results by Maximum Level (Rank 1) for Storm

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.017	JUNCTION	133.553	0.000	0.000	0.20		21.7	SURCHARGED*	

Jubb Consulting Engineers Limited

Page 8

Unit 1, Ensign House
Parkway Court, Longbridge Road
Plymouth, PL6 8LR

Date 20/02/2026
File SWD NETWORK - POND C SU...

VICTORIA ROAD
POND C
SURCHARGED OUTFALL

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Micro Drainage

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

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
1.018	SMH 104	60 Summer	100	+45%	100/15 Summer			
20.000	DIST TANK	240 Winter	100	+45%	100/15 Summer			
20.001	SIC 68-1	240 Winter	100	+45%	100/15 Summer			
1.019	JUNCTION	480 Winter	100	+45%				
21.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
21.001	SIC 48-1	60 Winter	100	+45%	100/15 Summer			
1.020	JUNCTION	480 Winter	100	+45%				
22.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
22.001	SIC 66-1	60 Winter	100	+45%	100/15 Summer			
1.021	JUNCTION	480 Winter	100	+45%				
23.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
23.001	SIC 50-1	60 Winter	100	+45%	100/15 Summer			
1.022	JUNCTION	480 Winter	100	+45%				
24.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
24.001	SIC 64-1	120 Winter	100	+45%	100/15 Summer			
1.023	JUNCTION	480 Winter	100	+45%				
25.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
25.001	SIC 62-1	60 Winter	100	+45%	100/15 Summer			
1.024	JUNCTION	360 Winter	100	+45%				
26.000	DIST TANK	60 Winter	100	+45%	100/15 Summer			
26.001	SIC 61-1	30 Winter	100	+45%	100/15 Summer			
1.025	SMH 103	60 Summer	100	+45%	100/15 Summer			
27.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
27.001	SIC 55-1	120 Winter	100	+45%	100/15 Summer			
27.002	SMH 113	60 Summer	100	+45%	100/60 Summer			
28.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
28.001	SIC 53-1	240 Winter	100	+45%	100/15 Summer			
27.003	JUNCTION	180 Winter	100	+45%	100/30 Summer			
29.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
29.001	SIC 52-1	240 Winter	100	+45%	100/15 Summer			
27.004	JUNCTION	480 Winter	100	+45%	100/15 Summer			
30.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
30.001	SIC 51-1	180 Winter	100	+45%	100/15 Summer			
27.005	JUNCTION	360 Winter	100	+45%	100/15 Summer			
1.026	SMH 102	60 Summer	100	+45%	100/15 Summer			
31.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
31.001	SIC 107-1	180 Winter	100	+45%	100/15 Summer			
31.002	SMH 112	120 Winter	100	+45%				
32.000	DIST TANK	240 Winter	100	+45%	100/15 Summer			
32.001	SIC 109-1	360 Winter	100	+45%	100/15 Summer			
31.003	SMH 111	60 Summer	100	+45%				
33.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
33.001	SIC 56-1	120 Winter	100	+45%	100/15 Summer			
31.004	JUNCTION	60 Summer	100	+45%				
34.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
34.001	SIC 57-1	60 Winter	100	+45%	100/15 Summer			
31.005	JUNCTION	240 Summer	100	+45%				
35.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
35.001	SIC 58-1	240 Winter	100	+45%	100/15 Summer			

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Jubb Consulting Engineers Limited								Page 9	
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR				VICTORIA ROAD POND C SURCHARGED OUTFALL					
Date 20/02/2026 File SWD NETWORK - POND C SU...				Designed by EPH Checked by					
Innovyze				Network 2019.1					
<u>Summary of Critical Results by Maximum Level (Rank 1) for Storm</u>									
PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
1.018	SMH 104	134.148	0.631	0.000	0.59		71.4	SURCHARGED	
20.000	DIST TANK	134.271	0.261	0.000	0.08		0.3	FLOOD RISK	
20.001	SIC 68-1	134.295	0.305	0.000	0.02		0.3	SURCHARGED	
1.019	JUNCTION	133.384	0.000	0.000	0.23		24.5	SURCHARGED*	
21.000	DIST TANK	134.290	0.480	0.000	0.36		1.4	FLOOD RISK	
21.001	SIC 48-1	134.308	0.518	0.000	0.10		1.4	FLOOD RISK	
1.020	JUNCTION	133.355	0.000	0.000	0.24		25.5	SURCHARGED*	
22.000	DIST TANK	134.282	0.427	0.000	0.24		0.9	FLOOD RISK	
22.001	SIC 66-1	134.270	0.435	0.000	0.06		0.9	FLOOD RISK	
1.021	JUNCTION	133.323	0.000	0.000	0.25		26.3	SURCHARGED*	
23.000	DIST TANK	133.950	0.300	0.000	0.21		0.8	FLOOD RISK	
23.001	SIC 50-1	133.962	0.332	0.000	0.06		0.8	FLOOD RISK	
1.022	JUNCTION	133.298	0.000	0.000	0.26		28.2	SURCHARGED*	
24.000	DIST TANK	133.999	0.304	0.000	0.14		0.5	FLOOD RISK	
24.001	SIC 64-1	134.017	0.342	0.000	0.04		0.5	FLOOD RISK	
1.023	JUNCTION	133.254	0.000	0.000	0.27		28.6	SURCHARGED*	
25.000	DIST TANK	134.026	0.471	0.000	0.36		1.4	FLOOD RISK	
25.001	SIC 62-1	134.044	0.509	0.000	0.11		1.4	FLOOD RISK	
1.024	JUNCTION	133.208	0.000	0.000	0.33		35.5	SURCHARGED*	
26.000	DIST TANK	133.938	0.413	0.000	0.24		0.9	FLOOD RISK	
26.001	SIC 61-1	133.944	0.439	0.000	0.07		0.9	SURCHARGED	
1.025	SMH 103	133.410	0.226	0.000	0.51		87.7	SURCHARGED	
27.000	DIST TANK	133.769	0.404	0.000	0.25		1.0	FLOOD RISK	
27.001	SIC 55-1	133.796	0.451	0.000	0.13		0.9	FLOOD RISK	
27.002	SMH 113	133.408	0.150	0.000	0.06		10.3	SURCHARGED	
28.000	DIST TANK	133.793	0.313	0.000	0.14		0.5	FLOOD RISK	
28.001	SIC 53-1	133.789	0.329	0.000	0.05		0.5	FLOOD RISK	
27.003	JUNCTION	133.243	0.011	0.000	0.02		4.8	SURCHARGED*	
29.000	DIST TANK	133.923	0.313	0.000	0.14		0.5	FLOOD RISK	
29.001	SIC 52-1	133.919	0.329	0.000	0.03		0.5	FLOOD RISK	
27.004	JUNCTION	133.220	0.011	0.000	0.01		3.1	SURCHARGED*	
30.000	DIST TANK	134.086	0.351	0.000	0.14		0.6	FLOOD RISK	
30.001	SIC 51-1	134.080	0.365	0.000	0.03		0.6	FLOOD RISK	
27.005	JUNCTION	133.197	0.011	0.000	0.02		4.5	SURCHARGED*	
1.026	SMH 102	133.404	0.241	0.000	0.28		97.8	SURCHARGED	
31.000	DIST TANK	135.165	0.270	0.000	0.07		0.3	FLOOD RISK	
31.001	SIC 107-1	135.178	0.303	0.000	0.01		0.3	FLOOD RISK	
31.002	SMH 112	133.756	-0.144	0.000	0.01		0.3	OK	
32.000	DIST TANK	134.837	0.472	0.000	0.09		0.4	FLOOD RISK	
32.001	SIC 109-1	134.858	0.513	0.000	0.01		0.4	FLOOD RISK	
31.003	SMH 111	133.279	-0.031	0.000	0.00		0.8	OK	
33.000	DIST TANK	134.348	0.353	0.000	0.24		0.9	FLOOD RISK	
33.001	SIC 56-1	134.375	0.400	0.000	0.04		0.9	FLOOD RISK	
31.004	JUNCTION	133.271	0.000	0.000	0.04		12.9	SURCHARGED*	
34.000	DIST TANK	133.959	0.349	0.000	0.16		0.6	FLOOD RISK	
34.001	SIC 57-1	133.973	0.383	0.000	0.04		0.6	FLOOD RISK	
31.005	JUNCTION	133.221	0.000	0.000	0.02		6.1	SURCHARGED*	
35.000	DIST TANK	133.812	0.292	0.000	0.08		0.3	FLOOD RISK	
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Jubb Consulting Engineers Limited		Page 10
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
Innovyze	Network 2019.1	

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

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
35.001	SIC 58-1	133.808	0.308	0.000	0.02		0.3	FLOOD RISK	

Jubb Consulting Engineers Limited		Page 11
Unit 1, Ensign House Parkway Court, Longbridge Road Plymouth, PL6 8LR	VICTORIA ROAD POND C SURCHARGED OUTFALL	
Date 20/02/2026 File SWD NETWORK - POND C SU...	Designed by EPH Checked by	
Innovyze	Network 2019.1	

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

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.
31.006	JUNCTION	360 Winter	100	+45%				
36.000	DIST TANK	120 Winter	100	+45%	100/15 Summer			
36.001	SIC 59-1	60 Winter	100	+45%	100/15 Summer			
31.007	SMH 110	60 Summer	100	+45%	100/15 Summer			
37.000	FC 2	360 Winter	100	+45%				
31.008	SMH 109A	60 Summer	100	+45%	100/15 Summer			
31.009	SMH 109	60 Summer	100	+45%	100/15 Summer			
1.027	SMH 100	60 Summer	100	+45%	100/15 Summer			
38.000	FC 3	360 Winter	100	+45%				
38.001	SMH 149	60 Summer	100	+45%	100/15 Summer			

PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m ³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)	Status	Level Exceeded
31.006	JUNCTION	133.200	0.000	0.000	0.02	4.4	SURCHARGED*	
36.000	DIST TANK	133.795	0.275	0.000	0.20	0.8	FLOOD RISK	
36.001	SIC 59-1	133.818	0.318	0.000	0.06	0.8	FLOOD RISK	
31.007	SMH 110	133.275	0.097	0.000	0.11	19.0	SURCHARGED	
37.000	FC 2	133.524	-0.106	0.000	0.19	7.3	OK	
31.008	SMH 109A	133.274	0.120	0.000	0.09	27.1	SURCHARGED	
31.009	SMH 109	133.271	0.161	0.000	0.13	35.7	SURCHARGED	
1.027	SMH 100	133.268	0.196	0.000	0.43	130.2	SURCHARGED	
38.000	FC 3	133.490	-0.135	0.000	0.02	1.1	OK	
38.001	SMH 149	133.240	0.470	0.000	0.41	6.8	SURCHARGED	