Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Surface Water	Company Address:		

Outfalls

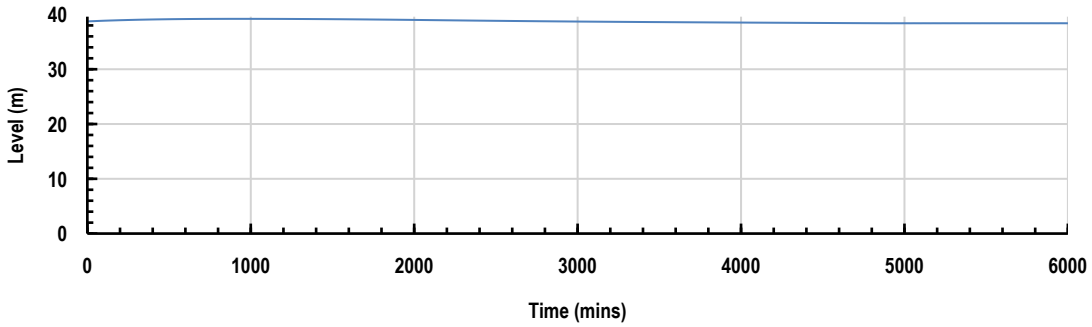
Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
ExMH 9250	Variable Surcharged Level	☑		100yr17
FEH (-17hr) : 100 years: +40 %: 15 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 15 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 30 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 30 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 60 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 60 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 120 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 120 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 180 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 180 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 240 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 240 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 360 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 360 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 480 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 480 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 600 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 600 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 720 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 720 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 960 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 960 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 1440 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 1440 mins: Winter				100yr17
FEH (-17hr) : 100 years: +40 %: 2160 mins: Summer				100yr17
FEH (-17hr) : 100 years: +40 %: 2160 mins: Winter				100yr17

Level Curves

Title	Duration (mins)	Max. Level (m)	Extension Option
100yr17	6000	39.199	Extend Last Level

Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Details: Type: Outfall Details Storm Phase: Surface Water	Company Address:		

100yr17



Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Title: Rainfall Analysis Criteria	Company Address:		

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Shortest
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall

FEH (-17hr)

Type: FEH

Site Location	GB 476940 171226 SU 76940 71226
Rainfall Version	2022
Summer	☑
Winter	☑

Return Period

Return Period (years)	Increase Rainfall (%)
100.0	40.000

Storm Durations

Duration (mins)	Run Time (mins)
15	180
30	180
60	180
120	180
180	180
240	180
360	180
480	180
600	180
720	180
960	180
1440	180
2160	180

Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Details: Type: Junctions Summary Storm Phase: Surface Water	Company Address:		

Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Level (m)	Invert Level (m)	Max. Level (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
S01	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.465	38.215	39.006	0.791	159.5	1.132	0.000	154.9	69.286	Surcharged
S11	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.369	38.135	38.644	0.509	28.9	0.576	0.000	27.4	13.823	Surcharged
S04	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.361	38.115	38.647	0.532	165.9	0.761	0.000	163.7	77.475	Surcharged
S10	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.337	38.405	38.793	0.388	18.9	0.438	0.000	16.6	8.200	Surcharged
S05	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.304	37.400	38.565	1.165	163.7	1.667	0.000	162.3	75.968	Surcharged
S03	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.246	38.190	38.899	0.709	170.0	1.014	0.000	165.9	77.434	Surcharged
S02	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.240	38.640	38.976	0.336	18.6	0.024	0.000	15.1	8.060	Flood Risk
S12	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	39.155	37.670	38.582	0.912	47.6	1.032	0.000	46.4	22.371	Surcharged
S15	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	38.977	37.510	38.487	0.977	100.0	1.398	0.000	99.3	46.144	Surcharged
S14	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	38.962	37.920	38.560	0.640	54.6	0.724	0.000	53.6	24.463	Surcharged
S06	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	38.909	37.340	38.384	1.044	261.6	1.844	0.000	2.1	132.231	Surcharged
S13	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	38.900	37.960	38.676	0.716	56.3	0.810	0.000	54.6	24.468	Flood Risk
S07	FEH (-17hr): 100 years: +40 %: 60 mins: Summer	38.880	37.254	37.860	0.606	2.1	1.070	0.000	5.5	19.150	OK
S25	FEH (-17hr): 100 years: +40 %: 60 mins: Summer	38.566	37.244	37.864	0.620	1.1	1.095	0.000	0.0	0.000	OK
ExMH 9250	FEH (-17hr): 100 years: +40 %: 15 mins: Summer	38.760	37.240	38.931	1.691	0.0	0.000	0.000	0.0	0.000	Flood

Project:	Date: 21/10/2025		
	Designed by: purcella	Checked by:	Approved By:
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Water	Company Address:		

Critical Storm Per Item: Rank By: Max. US Depth

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)
TANK 1	FEH (-17hr): 100 years: +40 %: 180 mins: Winter	38.189	38.189	0.829	0.829	58.4	239.115	0.000	0.000	0.0	0.000		17.122

Status
OK