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

Outfalls

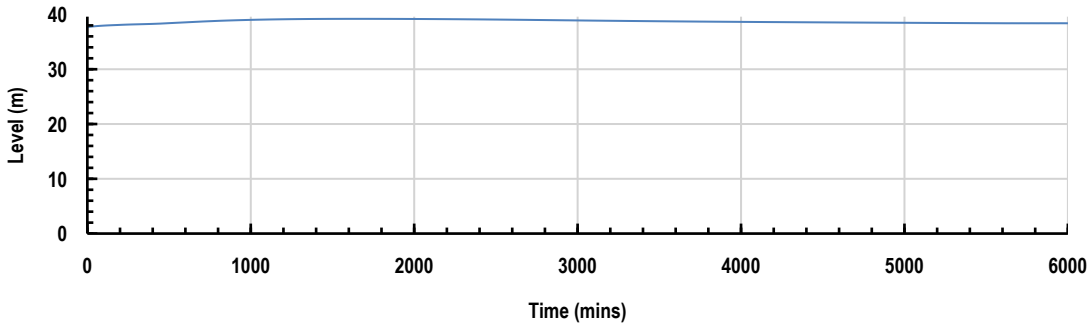
Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
ExMH 9250	Variable Surcharged Level	☑		100yr6
FEH (-6hr) : 100 years: +40 %: 15 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 15 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 30 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 30 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 60 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 60 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 120 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 120 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 180 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 180 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 240 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 240 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 360 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 360 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 480 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 480 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 600 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 600 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 720 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 720 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 960 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 960 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 1440 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 1440 mins: Winter				100yr6
FEH (-6hr) : 100 years: +40 %: 2160 mins: Summer				100yr6
FEH (-6hr) : 100 years: +40 %: 2160 mins: Winter				100yr6

Level Curves

Title	Duration (mins)	Max. Level (m)	Extension Option
100yr6	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:		

100yr6



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 (-6hr)

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	480
30	480
60	480
120	480
180	480
240	480
360	480
480	480
600	480
720	480
960	480
1440	480
2160	480

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
S22	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.771	37.900	38.039	0.139	9.3	0.022	0.000	7.9	4.026	OK
ACO (7)	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.735	37.969	38.437	0.468	71.4	0.035	0.000	67.3	30.916	Flood Risk
S21	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.660	37.550	38.042	0.492	119.7	0.705	0.000	116.1	57.739	Surcharged
S20	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.655	37.645	38.056	0.411	57.3	0.588	0.000	52.4	27.140	OK
ACO (6)	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.647	37.880	38.339	0.459	2.4	0.034	0.000	2.4	27.134	Surcharged
S31	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.635	37.420	38.339	0.919	10.8	1.624	0.000	0.8	119.252	Flood Risk
S23	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.608	37.500	38.015	0.515	19.7	0.910	0.000	19.4	220.649	Surcharged
S24	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.583	37.380	38.015	0.635	19.4	1.123	0.000	1.2	219.933	Surcharged
S30	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.574	37.550	38.339	0.789	10.2	1.130	0.000	10.0	112.136	Flood Risk
S25	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.566	37.244	38.053	0.809	1.6	1.430	0.000	1.8	6.866	Surcharged
ACO (1)	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.553	37.850	38.258	0.408	31.2	0.031	0.000	28.7	13.544	Flood Risk
ACO	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.553	37.850	38.288	0.438	31.2	0.033	0.000	28.6	13.544	Flood Risk
ACO (2)	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.552	37.850	38.254	0.404	31.2	0.030	0.000	28.7	13.544	Flood Risk
ACO (4)	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.551	37.766	38.339	0.573	1.8	0.043	0.000	1.8	19.660	Flood Risk
ACO (3)	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.550	37.850	38.240	0.390	31.2	0.029	0.000	28.8	13.544	Surcharged
ACO (5)	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.530	37.670	38.340	0.669	6.0	0.154	0.000	6.0	67.529	Flood Risk
ExMH 9250	FEH (-6hr): 100 years: +40 %: 15 mins: Summer	38.760	37.240	38.382	1.142	0.0	0.000	0.000	0.0	0.000	OK

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 2B	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.015	38.015	0.530	0.530	5.1	57.670	0.000	0.000	0.0	0.014		1.190
TANK 3	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.339	38.339	0.899	0.899	10.5	113.758	0.000	0.000	0.1	0.016		0.230
TANK 2A	FEH (-6hr): 100 years: +40 %: 480 mins: Winter	38.015	38.015	0.580	0.580	19.0	158.531	0.000	0.000	0.0	57.711		0.430

Status
OK
OK
OK