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

Outfalls

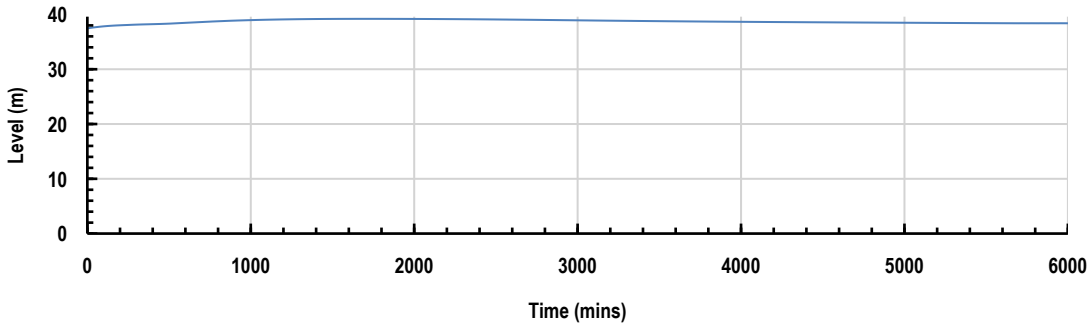
Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
ExMH 9250	Variable Surcharged Level	☑		100yr5
FEH (-5hr) : 100 years: +40 %: 15 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 15 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 30 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 30 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 60 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 60 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 120 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 120 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 180 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 180 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 240 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 240 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 360 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 360 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 480 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 480 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 600 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 600 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 720 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 720 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 960 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 960 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 1440 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 1440 mins: Winter				100yr5
FEH (-5hr) : 100 years: +40 %: 2160 mins: Summer				100yr5
FEH (-5hr) : 100 years: +40 %: 2160 mins: Winter				100yr5

Level Curves

Title	Duration (mins)	Max. Level (m)	Extension Option
100yr5	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:		

100yr5



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 (-5hr)

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	900
30	900
60	900
120	900
180	900
240	900
360	900
480	900
600	900
720	900
960	900
1440	900
2160	900

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 (-5hr): 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 (-5hr): 100 years: +40 %: 960 mins: Winter	39.369	38.135	38.855	0.720	1.7	0.814	0.000	1.7	36.296	Surcharged
S04	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	39.361	38.115	38.854	0.740	9.7	1.059	0.000	9.7	210.491	Surcharged
S10	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	39.337	38.405	38.855	0.450	1.0	0.509	0.000	1.0	22.523	Surcharged
S05	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	39.304	37.400	38.855	1.455	9.7	2.082	0.000	9.6	207.153	Surcharged
S03	FEH (-5hr): 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 (-5hr): 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 (-5hr): 100 years: +40 %: 960 mins: Winter	39.155	37.670	38.855	1.185	2.8	1.340	0.000	2.8	59.178	Surcharged
S15	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.977	37.510	38.855	1.345	5.8	1.924	0.000	5.8	123.353	Flood Risk
S14	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.962	37.920	38.855	0.935	3.1	1.057	0.000	3.1	66.667	Flood Risk
S06	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.909	37.340	38.855	1.515	15.4	2.676	0.000	2.0	325.878	Flood Risk
S13	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.900	37.960	38.855	0.895	3.1	1.012	0.000	3.1	67.909	Flood Risk
S07	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.880	37.254	38.576	1.322	2.9	2.336	0.000	8.5	33.248	Surcharged
S25	FEH (-5hr): 100 years: +40 %: 960 mins: Winter	38.566	37.244	38.576	1.332	3.9	12.304	9.968	0.0	2.189	Flood
ExMH 9250	FEH (-5hr): 100 years: +40 %: 15 mins: Summer	38.760	37.240	38.874	1.634	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 (-5hr): 100 years: +40 %: 960 mins: Winter	38.855	38.855	1.495	1.495	13.8	288.994	0.000	0.000	0.0	0.013		-0.166

Status
OK