Curtins | Building a better future

Trinity Islands – Plot C1, Manchester

Foul Water Calculations

Curtins Ref: C1-Z1-CUR-G580-CA-GRD-92502

Revision: P02

Issue Date: 17 October 2025

Client Name: Renaker Build Ltd

Site Address: Site C (Buildings C1),Trinity Islands, Manchester

Design Settings

Frequency of use (kDU)	0.70	Additional Flow (%)	0	Preferred Cover Depth (m)	1.200
Flow per dwelling per day (l/day)	4000	Minimum Velocity (m/s)	1.00	Include Intermediate Ground	✓
Domestic Flow (l/s/ha)	0.5	Connection Type	Level Soffits		
Industrial Flow (l/s/ha)	0.6	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Units	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
F1	3219.0	26.110	1200	382851.897	397880.556	1.310
F2		26.300	1200	382869.155	397853.412	1.888
F3		26.100	2100	382874.733	397847.300	1.785

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	F1	F2	32.166	1.500	24.800	24.412	0.388	83.0	225
1.001	F2	F3	8.275	1.500	24.412	24.315	0.097	85.3	225

Flow+ v15.0 Copyright © 1988-2025 Causeway Technologies Ltd