



FOUL WATER LONGITUDINAL SECTIONS
FW05 - FW01
 SCALE 1:200

Section	Area of Site (m ²)	Number of residential units	Number of commercial units	Residential Amenity Area	Creche Unit	Q actual (m ³ /sec)	Q actual (l/sec)	Q actual (6DWF) (l/sec)	Diameter (m)	Pipe Falls	Radius (m)	Area (m ²)	Length (m)	V actual (m/sec)	V design (m/sec)	Q design (m ³ /sec)	Q design (l/sec)	Spare %
FW17 - FW16	3911.0	88.7	1	0.0	0	0.000495	0.495	2.972430	0.225	80	0.1125	0.0298	90.0	0.01662	1.37	0.040833	40.833	92.72
FW16 - FW15	7415.2	168.1	4	138.9	0	0.001058	1.058	6.347243	0.225	100	0.1125	0.0298	87.0	0.03549	1.22	0.036363	36.363	82.54
FW08 - FW19	730.4	16.6	0	0.0	0	0.000095	0.095	0.512319	0.225	100	0.1125	0.0298	27.0	0.00286	1.22	0.036363	36.363	98.59
FW09 - FW19	813.8	18.5	0	0.0	0	0.000095	0.095	0.570818	0.300	300	0.1500	0.0530	19.5	0.00180	0.86	0.045569	45.569	98.75
FW19 - FW11	2428.5	55.1	0	261.7	0	0.000356	0.356	2.135592	0.300	300	0.1500	0.0530	35.6	0.00672	0.86	0.045569	45.569	95.31
FW11 - FW12	8062.8	182.8	0	551.2	0	0.001094	1.094	6.565714	0.300	300	0.1500	0.0530	43.5	0.02065	0.86	0.045569	45.569	85.59
FW12 - FW13	9571.4	217.0	0	767.4	0	0.001330	1.330	7.980926	0.300	300	0.1500	0.0530	30.0	0.02510	0.86	0.045569	45.569	82.49
FW13 - FW18	10442.7	236.8	0	986.3	0	0.001492	1.492	8.953579	0.300	300	0.1500	0.0530	21.4	0.02816	0.86	0.045569	45.569	80.35
FW14 - FW18	614.4	13.9	0	0.0	0	0.000072	0.072	0.430954	0.225	108	0.1125	0.0298	24.8	0.00241	1.22	0.036363	36.363	98.81
FW18 - FW15	11587.3	262.7	0	986.3	0	0.001626	1.626	9.756428	0.300	300	0.1500	0.0530	21.1	0.03069	0.86	0.045569	45.569	78.59
FW15 - FW03	19959.1	452.5	5	1125.2	0	0.002834	2.834	17.003818	0.300	300	0.1500	0.0530	12.3	0.05348	0.86	0.045569	45.569	62.69
FW03 - FW02	21072.2	477.8	7	1125.2	1	0.003088	3.088	18.525544	0.300	300	0.1500	0.0530	43.0	0.05827	0.86	0.045569	45.569	59.35
FW10 - FW07	976.5	22.1	1	160.7	0	0.000197	0.197	1.179495	0.225	100	0.1125	0.0298	30.0	0.00660	1.22	0.036363	36.363	96.76
FW07 - FW06	2914.1	66.1	1	160.7	0	0.000423	0.423	2.538572	0.300	300	0.1500	0.0530	43.2	0.00798	0.86	0.045569	45.569	94.43
FW06 - FW05	4660.9	105.7	1	160.7	0	0.000627	0.627	3.763817	0.300	300	0.1500	0.0530	41.1	0.01184	0.86	0.045569	45.569	91.74
FW05 - FW04	5561.9	126.1	1	160.7	0	0.000733	0.733	4.395798	0.300	300	0.1500	0.0530	19.5	0.01383	0.86	0.045569	45.569	90.35
FW04 - FW02	5794.1	131.4	1	160.7	0	0.000760	0.760	4.558669	0.300	300	0.1500	0.0530	16.2	0.01434	0.86	0.045569	45.569	90.00
FW02 - FW01	27768.0	629.6	8	1285.9	1	0.003953	3.953	23.716685	0.300	300	0.1500	0.0530	7.2	0.07460	0.86	0.045569	45.569	47.95
FW01 - PUBLIC	27919.6	633.0	8	1285.9	1	0.003971	3.971	23.823021	0.300	300	0.1500	0.0530	18.0	0.07493	0.86	0.045569	45.569	47.72

FOUL WATER PIPE FLOW CAPACITIES
& VELOCITIES
 SCALE 1:100

P	08/03/2022	E.V	G.P	Issued for Stage 3 SHD Planning.	
D	31/01/2022	D.M	G.P	Issued to Irish Water for Statement of Design Acceptance.	
Rev	Date	Dm	Chk'd	Description	





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Project:	Residential Development at Greenhills Road, Walkinstown, Dublin 12	Project No:	20189	Dwg. No.:	C01f
Scale:	@A1	Date:	Feb. 2021		
Drawing:	Foul Sewer Longitudinal Sections (3 of 3)	Drawn:	D.M	Rev.:	P
Model Reference:	20189-LDE-ZZ-ZZ-M2-SC-0001	Model Rev.:	P01		
Drawing Reference:	20189-LDE-07-00-DR-SC-1C01f	Suitability:	S01		