

FOUL WATER DEMARCATON CHAMBER SCHEDULE																	
Chamber	Easting	Northing	Cover Level	Invert Level	Depth to Soffit	Depth to Invert	Chamber Type	Restrictor Cap	Pipe Length	Pipe Diameter	Pipe Material	Chamber Diameter	Chamber Material	Cover	Cover Diameter	Gradient	IL at Connection
FD06	445589.969	404841.475	39.100	36.750	2.20	2.35	D	Yes	6.025	150	VC	450	Plastic	B125	450	56	36.642
FD16	445567.153	404827.608	38.600	36.350	2.10	2.25	D	Yes	4.865	150	VC	450	Plastic	B125	450	49	36.250
FD23	445529.913	404817.035	37.700	35.950	1.60	1.75	D	Yes	6.500	150	VC	450	Plastic	B125	450	15	35.522
FD28	445496.138	404808.854	36.750	35.400	1.20	1.35	D	Yes	6.439	150	VC	450	Plastic	B125	450	56	35.284
FD31	445479.892	404806.285	36.600	35.550	0.90	1.05	D	No	6.087	150	VC	450	Plastic	B125	450	17	35.184
FD33	445449.334	404812.649	37.150	35.150	1.85	2.00	D	Yes	7.085	150	VC	450	Plastic	B125	450	43	34.986
FD42	445249.010	404825.905	36.500	34.150	2.20	2.35	D	Yes	5.260	150	VC	450	Plastic	B125	450	10	33.626
FD49	445221.549	404845.188	37.600	36.000	1.45	1.60	D	Yes	5.508	150	VC	450	Plastic	B125	450	5	34.903
FD50	445239.163	404836.897	36.900	34.350	2.40	2.55	D	Yes	4.019	150	VC	450	Plastic	B125	450	5	33.551
FD57	445303.591	404843.457	37.300	35.600	1.55	1.70	D	Yes	6.849	150	VC	450	Plastic	B125	450	17	35.197
FD61	445329.049	404844.961	37.900	35.500	2.25	2.40	D	Yes	6.625	150	VC	450	Plastic	B125	450	5	34.166
FD72	445402.136	404839.698	38.650	36.000	2.50	2.65	D	Yes	7.101	150	VC	450	Plastic	B125	450	5	34.646
FD79	445462.158	404820.218	37.050	35.200	1.70	1.85	D	Yes	4.205	150	VC	450	Plastic	B125	450	30	35.061
FD84	445497.524	404821.049	36.950	35.400	1.40	1.55	D	Yes	7.294	150	VC	450	Plastic	B125	450	63	35.284
FD93	445544.497	404879.710	41.250	39.250	1.85	2.00	D	Yes	10.411	150	VC	450	Plastic	B125	450	24	38.825
FD101	445482.780	404865.834	40.200	38.400	1.65	1.80	D	Yes	10.547	150	VC	450	Plastic	B125	450	18	37.822
FD103	445456.722	404874.584	40.750	38.550	2.05	2.20	D	Yes	6.603	150	VC	450	Plastic	B125	450	24	38.274
FD114	445342.867	404890.396	43.000	41.450	1.40	1.55	D	Yes	8.592	150	VC	450	Plastic	B125	450	59	41.305
FD118	445299.574	404890.885	42.450	40.800	1.50	1.65	D	Yes	6.501	150	VC	450	Plastic	B125	450	16	40.384
FD121	445274.022	404889.070	42.850	40.150	2.55	2.70	D	Yes	7.284	150	VC	450	Plastic	B125	450	18	39.750
FD125	445256.477	404927.458	45.100	42.600	2.35	2.50	D	Yes	6.714	150	VC	450	Plastic	B125	450	28	42.359
FD128	445254.315	404909.262	43.900	42.100	1.65	1.80	D	Yes	8.814	150	VC	450	Plastic	B125	450	40	41.878
FD140	445211.279	404925.255	45.800	43.100	2.55	2.70	D	Yes	8.582	150	VC	450	Plastic	B125	450	67	42.971
FD141	445208.488	404942.081	46.500	43.850	2.50	2.65	D	Yes	10.142	150	VC	450	Plastic	B125	450	10	42.844
FD152	445253.196	404965.869	46.250	44.650	1.45	1.60	D	Yes	7.171	150	VC	450	Plastic	B125	450	19	44.280
FD158	445298.700	404903.608	42.450	41.000	1.30	1.45	D	Yes	6.252	150	VC	450	Plastic	B125	450	10	40.384
FD166	445342.982	404905.237	43.250	41.900	1.20	1.35	D	Yes	6.250	150	VC	450	Plastic	B125	450	11	41.305
FD171	445389.934	404906.293	43.800	42.050	1.60	1.75	D	Yes	12.716	150	VC	450	Plastic	B125	450	23	41.503
FD175	445391.806	404937.599	44.150	42.500	1.50	1.65	D	Yes	7.626	150	VC	450	Plastic	B125	450	18	42.078
FD178	445389.615	404968.093	43.400	41.850	1.40	1.55	D	Yes	9.748	150	VC	450	Plastic	B125	450	15	41.197
FD179	445414.209	404972.640	43.000	41.350	1.50	1.65	D	Yes	8.367	150	VC	450	Plastic	B125	450	12	40.663
FD190	445414.513	404898.190	42.950	41.550	1.25	1.40	D	Yes	6.547	150	VC	450	Plastic	B125	450	10	40.898
FD192	445451.059	404909.020	41.800	39.450	2.20	2.35	D	Yes	4.901	150	VC	450	Plastic	B125	450	10	38.959
FD201	445454.698	404962.431	41.900	39.700	2.05	2.20	D	Yes	3.932	150	VC	450	Plastic	B125	450	10	39.321
FD203	445369.785	404965.653	43.650	42.250	1.25	1.40	D	Yes	7.324	150	VC	450	Plastic	B125	450	11	41.610
FD212	445321.044	404966.592	44.550	42.950	1.45	1.60	D	Yes	6.655	150	VC	450	Plastic	B125	450	19	42.592
FD220	445264.384	404973.101	46.250	44.900	1.20	1.35	D	Yes	7.382	150	VC	450	Plastic	B125	450	12	44.280
FD232	445342.985	404977.109	44.300	42.550	1.60	1.75	D	Yes	5.817	150	VC	450	Plastic	B125	450	13	42.114
FD239	445413.412	404985.184	42.950	41.100	1.70	1.85	D	Yes	4.256	150	VC	450	Plastic	B125	450	10	40.663
FD244	445457.917	404983.536	42.150	40.300	1.70	1.85	D	Yes	4.073	150	VC	450	Plastic	B125	450	10	39.909
FD246	445472.031	404979.598	41.950	40.100	1.70	1.85	D	Yes	4.093	150	VC	450	Plastic	B125	450	6	39.468
FD259	445574.434	404954.106	44.100	42.350	1.60	1.75	D	Yes	6.479	150	VC	450	Plastic	B125	450	24	42.077
FD265	445540.535	404944.086	43.600	42.150	1.30	1.45	D	Yes	6.620	150	VC	450	Plastic	B125	450	11	41.542
FD270	445514.622	404949.202	42.900	41.150	1.60	1.75	D	Yes	6.126	150	VC	450	Plastic	B125	450	20	40.838
FD277	445484.153	404883.593	40.150	38.600	1.40	1.55	D	Yes	8.732	150	VC	450	Plastic	B125	450	11	37.822
FD278	445513.192	404890.718	40.650	39.100	1.40	1.55	D	Yes	8.231	150	VC	450	Plastic	B125	450	10	38.252
FD282	445541.343	404896.364	41.250	39.550	1.55	1.70	D	Yes	6.575	150	VC	450	Plastic	B125	450	9	38.825

1. All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and Icosa Water's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
2. Manhole covers shall must have a clear opening of 675mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
3. Filled ground must be filled and consolidated under the supervision and to the satisfaction of Icosa Water before any sewer works are carried out.
4. Icosa Water is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of the land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Section with regard to the disposal of the filter drain/land drainage run-off.
5. Cover slabs must carry the BSI Kitemark or will be rejected by Icosa Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 675mm x 675mm for the Icosa Water specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), 'Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab opening sizes.
6. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
7. Adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
8. Sewers must have 5m clearance from trees and hedges.
9. Sewers to be laid in Class "S" Bedding (150mm granular bed and surround). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicular access areas) then a concrete slab should be provide above granular bed and surround.
10. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
11. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.
12. Icosa Water policy is that Type "C" brick manholes and 1050mm dia manhole rings are not preferred. Instead it is preferred that you use a type "B" manhole with 1200mm dia or 1500mm dia rings, with the opening sized over the channel where depth of cover to pipe soffit is 1 - 1.5m.
13. Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and BS EN13476). Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and Icosa Water would prefer clayware channel in manholes. We have found that plastic channels are difficult to set in concrete because they float and a satisfactory finish cannot be obtained on the benching.
14. The minimum crushing strength for clay pipes should be as follows - 100mm dia. 40kN/m, 150mm dia. 40kN/m, 225mm dia. 45kN/m and 300mm dia. 72kN/m. The minimum crushing strength for concrete pipes should be - (Class 120 to EN 1916/BS5911-1 2002). Plastic pipes should conform to WIS 4-35-01 and BS EN13476.
15. Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.
16. There should be enough clearance to accommodate the bedding for both pipes, approx 300mm - if crossover is near the rocker then the clearance needed may be increased.

P02	Revised to suit new drainage layout.	JR	JB	28.11.2025
P01	First issue.	EL	GH	07.10.2025
REV	DESCRIPTION	SIG	CHK	DATE

AVANT HOMES

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ECE PROJECT No	SCALE AT A1	STATUS	SUITABLE FOR
48926	NTS	S0	Initial
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Project	Originator	Zone	Level
	Type	Role	Number