

DO NOT SCALE

FOUL WATER MANHOLE SCHEDULE (NETWORK 4)
Sheet 1 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		Additional Manhole Requirements		
			Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?
F401	26.861										
E. 341048.839	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398523.289			0	1.000	25.511	150					
F402	26.407		1	1.000	24.949	150					
E. 341006.794	1.308					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398539.139			0	1.001	24.949	150					
F403	26.697		1	1.001	24.750	150					
E. 340978.952	1.797					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398549.659			0	1.002	24.750	150					
F404	26.810		1	1.002	24.642	150					
E. 340965.872	2.018					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398559.521			0	1.003	24.642	150					
F405	25.470										
E. 341111.594	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398553.816			0	2.000	24.120	150					
F406	25.244		1	2.000	23.263	150					
E. 341116.649	1.831					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398567.970			0	2.001	23.263	150					
F407	25.833		1	2.001	22.948	150					
E. 341071.819	2.735					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398582.807			0	2.002	22.948	150					
F408	26.050		1	2.002	22.518	150					
E. 341011.461	3.382					1200	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
N. 398605.716			0	2.003	22.518	150					
F409	25.816		1	1.003	24.245	150					
E. 340986.880	3.324		2	2.003	22.342	150					
N. 398615.173			0	1.004	22.342	150					
F410	24.928		1	1.004	22.006	150					
E. 341004.866	2.772					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398662.248			0	1.005	22.006	150					
F411	24.350		1	1.005	21.900	150					
E. 341011.091	2.300					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398676.919			0	1.006	21.900	150					
F412	25.183										
E. 341179.258	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398552.069			0	3.000	23.833	150					
F413	23.852		1	3.000	22.502	150					
E. 341177.414	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398607.344			0	3.001	22.502	150					
F414	23.717		1	3.001	22.367	150					
E. 341173.829	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398612.804			0	3.002	22.367	150					
F415	23.622		1	3.002	22.272	150					
E. 341168.144	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398616.186			0	3.003	22.272	150					

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Sheet 2 of 3

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			Code	Invert	Diams		Manhole	Cover	Ladder or Stepped Access	Safety Chain Required?	Handrails Required?
F416	23.880		1	3.003	22.016	150					
E. 341132.484	1.714					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398630.438			0	3.004	22.016	150					
F417	23.718		1	3.004	21.681	150					
E. 341085.847	1.887					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398649.227			0	3.005	21.681	150					
F418	24.100		1	3.005	21.402	150					
E. 341047.061	2.548					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398664.986			0	3.006	21.402	150					
F419	24.100		1	1.006	21.797	150					
E. 341016.576	2.817		2	3.006	21.133	150					
N. 398691.333			0	1.007	21.133	150					
F420	25.059										
E. 340827.033	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398602.375			0	4.000	23.709	150					
F421	25.715		1	4.000	23.053	150					
E. 340876.131	2.512					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398583.823			0	4.001	23.053	150					
F422	25.753										
E. 340894.531	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398543.639			0	5.000	24.403	150					
F423	26.141		1	4.001	22.844	150					
E. 340905.519	3.147		2	5.000	22.844	150					
N. 398572.718			0	4.002	22.844	150					
F424	26.407		1	4.002	22.502	150					
E. 340923.675	3.755					1200	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
N. 398620.769			0	4.003	22.502	150					
F425	25.134										
E. 340832.215	1.200					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398670.141			0	6.000	23.784	150					
F426	25.345		1	6.000	23.287	150					
E. 340869.370	1.908					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398655.979			0	6.001	23.287	150					
F427	25.400										
E. 340887.912	1.393					1500	Type C (Figure B15)	D400 (1220 x 685)	Stepped Access	No	No
N. 398705.069			0	7.000	23.857	150					
F428	25.532		1	7.000	23.189	150					
E. 340874.628	2.194		2	6.001	23.188	150					
N. 398669.933			0	6.002	23.188	150					
F429	26.049		1	6.002	22.310	150					
E. 340933.840	4.626		2	4.003	22.310	150					
N. 398647.615			0	4.004	21.073	150					
F430	24.065		1	4.004	20.706	150					
E. 340953.406	3.229					1200	Type A2 (Figure B6)	D400 (600 x 600)	Ladder Access	No	No
N. 398699.025			0	4.005	20.706	150					

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F431	23.312		1	4.005	20.555	150					
E. 340961.474	2.607		2	1.007	20.555	150					
N. 398720.225			0	1.008	20.555	150					
F432	22.800		1	1.008	20.387	150					
E. 340971.033	2.263					1200	Type B (Figure B10)	D400 (600 x 600)	Stepped Access	No	No
N. 398743.527											

Notes

- All works shall be in accordance with Sewers for Design and Construction Guidance (DCG) Standards and United Utilities Standard Details and Guidelines.
- Step Rungs shall be installed in accordance to BS EN 13101.
- Manholes shall be to United Utilities Standard Detail STND/19/001-012. Ladders, Safety chains and Hand railing shall be to Standard Detail STND/19/010. Back-drops shall be to Standard Detail STND/19/007.
- 150mm min concrete surround required for all adopted Manholes.
- Rocker pipes shall be provided in accordance with United Utilities Standard Detail STND/19/010.
- Pipe materials as table below or similar approved by United Utilities.
- All lateral connections will be made at soffit level to the main channel.

Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
150	PVC-U
225	PVC-U
300	PVC-U
375	CONCRETE
450	CONCRETE
600	CONCRETE
750	CONCRETE
900	CONCRETE
1200	CONCRETE
1500	CONCRETE

Bedding and Surround Table

Depth to Soffit	Bedding and Surround Type
>1.2m	Class S
<1.2m	Class Z

Coopers Drawing List:

- 7778 / 01 Proposed S104 Drainage Layout
- 7778 / 02 Proposed Highway Setting Out
- 7778 / 03 Proposed Highway Layout
- 7778 / 04 Proposed Highway and Drainage Longsections
- 7778 / 05 Highway Construction Details
- 7778 / 06 Proposed Surface Finishes
- 7778 / 07 S38 Agreement Plan
- 7778 / 08 External Works Layout
- 7778 / 09 Private Drainage Layout
- 7778 / 10 Private Drainage Construction Details
- 7778 / 11 Manhole Schedules
- 7778 / 12 Flow Control Manhole Details
- 7778 / 13 Surface Water Catchment Areas
- 7778 / 14 Surface Water Attenuation Details
- 7778 / 15 Proposed Cut and Fill Earthworks
- 7778 / 16 Plot Setting Out
- 7778 / 17 Manhole Connection Plan

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