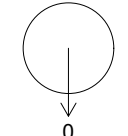
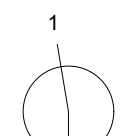
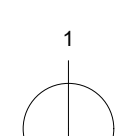
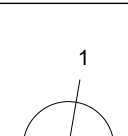
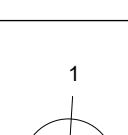
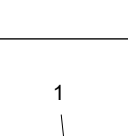
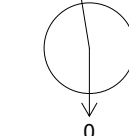
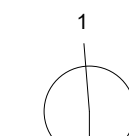
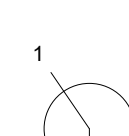
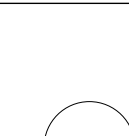
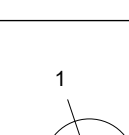
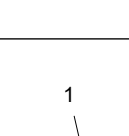
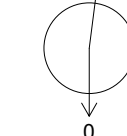
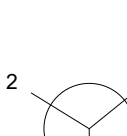
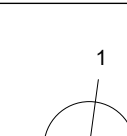
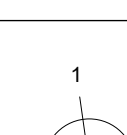
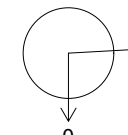
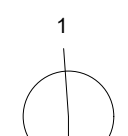
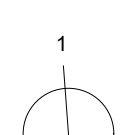
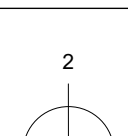
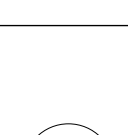
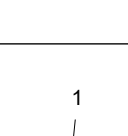


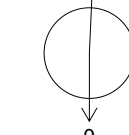
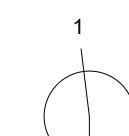
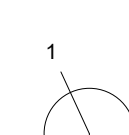
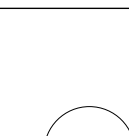
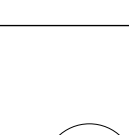
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1	45.518							
E. 445277.297	1.200					1350	C	D400
N. 404966.851			0	1.000	44.093	225		
S2	44.698		1	1.000	43.273	225		
E. 445310.101	1.200					1350	C	D400
N. 404971.522			0	1.001	43.273	225		
S3	44.183		1	1.001	42.758	225		
E. 445336.687	1.200					1350	C	D400
N. 404970.863			0	1.002	42.758	225		
S4	43.650		1	1.002	42.225	225		
E. 445365.237	1.200					1350	C	D400
N. 404970.156			0	1.003	42.150	300		
S5	43.139		1	1.003	41.639	300		
E. 445396.281	1.200					1350	C	D400
N. 404974.650			0	1.004	41.639	300		
S6	42.676		1	1.004	41.176	300		
E. 445416.448	1.200					1350	C	D400
N. 404978.819			0	1.005	41.176	300		

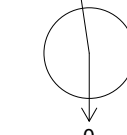
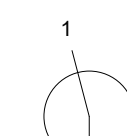
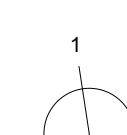
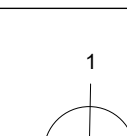
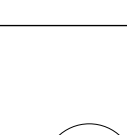
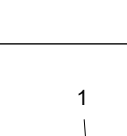
Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S7	42.445		1	1.005	40.945	300		
E. 445429.096	1.200					1350	C	D400
N. 404980.051			0	1.006	40.945	300		
S8	42.176		1	1.006	40.676	300		
E. 445442.865	1.200					1350	C	D400
N. 404979.160			0	1.007	40.676	300		
S9	41.914		1	1.007	40.414	300		
E. 445456.819	1.200					1350	C	D400
N. 404977.141			0	1.008	40.414	300		
S10	43.946							
E. 445569.748	1.200					1350	C	D400
N. 404951.094			0	2.000	42.521	225		
S11	43.598		1	2.000	42.173	225		
E. 445541.005	1.200					1350	C	D400
N. 404948.043			0	2.001	42.173	225		
S12	42.810		1	2.001	41.385	225		
E. 445512.593	1.200					1350	C	D400
N. 404954.326			0	2.002	41.385	225		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S13	41.589		1	2.002	40.164	225		
E. 445477.843	1.200					1350	C	D400
N. 404970.792			0	2.003	40.014	375		
S14	41.694		1	2.003	39.971	375		
E. 445467.906	1.348					1350	C	D400
N. 404974.025			0	2.004	39.971	375		
S15	41.727		1	2.004	39.936	375		
E. 445463.044	1.416		2	1.008	40.011	300		
N. 404971.430			0	1.009	39.786	525		
S16	41.717		1	1.009	39.744	525		
E. 445460.250	1.448					1500	C	D400
N. 404956.873			0	1.010	39.669	600		
S17	41.451		1	1.010	39.508	600		
E. 445457.160	1.343					1500	C	D400
N. 404900.619			0	1.011	39.508	600		
S18	43.901							
E. 445397.051	1.200					1350	C	D400
N. 404941.416			0	3.000	42.476	225		

- 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.
- 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.
- Filled ground must be filled and consolidated under the supervision and to the satisfaction of Icosa Water before any sewer works are carried out.
- 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.
- 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 575mm x 575mm 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.
- Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
- Adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
- Sewers must have 5m clearance from trees and hedges.
- 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.
- Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
- 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.
- 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 "S" 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.
- Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and SS/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.
- 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.
- 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.
- 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.

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S19	43.371		1	3.000	41.946	225		
E. 445392.618	1.200					1350	C	D400
N. 404892.801			0	3.001	41.946	225		
S20	42.765		1	3.001	41.340	225		
E. 445413.250	1.200					1350	C	D400
N. 404889.767			0	3.002	41.340	225		
S21	41.474		1	3.002	40.049	225		
E. 445442.854	1.200					1350	C	D400
N. 404883.250			0	3.003	40.049	225		
S22	40.937		1	1.011	39.137	600		
E. 445453.111	1.200		2	3.003	39.512	225		
N. 404880.173			0	1.012	39.137	600		
S23	41.485							
E. 445607.545	1.200					1350	C	D400
N. 404894.141			0	4.000	39.985	300		
S24	40.750		1	4.000	39.250	300		
E. 445526.530	1.200					1350	C	D400
N. 404884.856			0	4.001	39.250	300		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S25	40.351		1	4.001	38.851	300		
E. 445507.222	1.200					1350	C	D400
N. 404880.666			0	4.002	38.851	300		
S26	39.966		1	4.002	38.466	300		
E. 445485.727	1.200					1350	C	D400
N. 404874.970			0	4.003	38.391	375		
S27	40.082		1	4.003	38.346	375		
E. 445475.141	1.361					1350	C	D400
N. 404873.509			0	4.004	38.346	375		
S28	40.385		1	4.004	38.299	375		
E. 445464.429	1.711		2	1.012	38.075	600		
N. 404876.763			0	1.013	38.074	600		
S29	38.643							
E. 445571.606	2.643					1200	B	D400
N. 404832.127			0	5.000	35.775	225		
S30	37.534		1	5.000	34.997	225		
E. 445532.481	2.312					1200	B	D400
N. 404821.772			0	5.001	34.922	300		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S31	36.642		1	5.001	34.684	300		
E. 445492.336	1.658					1350	B	D400
N. 404812.056			0	5.002	34.609	375		
S32	36.649		1	5.002	34.509	375		
E. 445475.943	1.765					1350	B	D400
N. 404810.566			0	5.003	34.434	450		
S33	36.810		1	5.003	34.401	450		
E. 445464.628	1.959					1350	B	D400
N. 404812.442			0	5.004	34.401	450		
S34	37.275		1	5.004	34.347	450		
E. 445446.670	2.478		2	1.013	35.334	600		
N. 404818.303			0	1.014	34.122	675		
S35	38.353							
E. 445391.851	1.200					1350	C	D400
N. 404831.654			0	6.000	36.928	225		
S36	37.961		1	6.000	36.536	225		
E. 445421.179	1.200					1350	C	D400
N. 404825.641			0	6.001	36.536	225		

P04	Revised to suit latest drainage design	CTB	GH	28.11.2025
P03	Revised to suit latest drainage design	EL	GH	07.10.2025
P02	Revised to suit latest drainage design	CTB	GH	15.08.2025
P01	First issue.	GT	DAB	25.04.2024
REV	DESCRIPTION	SIG	CHK	DATE

AVANT HOMES

LAND OFF THURNSCOE BRIDGE
LANE, THURNSCOE, ROTHERHAM,
S63 0TX

MANHOLE SCHEDULE - SHEET 1



St Andrew's House
23 Kingfield Road
Sheffield, S11 9AS

T: 0114 255 4554
E: mail@eastwoodce.com
eastwoodce.com

E
