

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Dimensions (mm)		Manhole	Cover
S1	179.143		0	1.000	177.793	150	C	D400 600 X 600
E. 411947.537 N. 419024.319	1.200							
S2	178.988		1	1.000	177.638	150	C	D400 600 X 600
E. 411945.535 N. 419018.883	1.200							
S3	177.998		1	1.001	176.648	150	C	D400 600 X 600
E. 411943.888 N. 418992.501	1.200							
S4	176.358		1	2.000	173.995	225	B	D400 600 X 600
E. 411978.846 N. 418989.652	2.138			1.002	173.995	225		
S5 TANK U/S	175.700		1	1.003	173.075	225	TURRET	D400 DOUBLE TWIN 600 X 600
	2.400							
S6 TANK D/S	174.300		1	1.004	171.254	TANK	TURRET	D400 DOUBLE TWIN 600 X 600
	2.521							

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Dimensions (mm)		Manhole	Cover
S5A TANK U/S	175.700		0	1.000	177.793	150	C	D400 600 X 600
	2.400							
S6A TANK D/S	174.300		1	1.000	177.638	150	C	D400 600 X 600
	2.521							
S7 CONTROL	173.800		1	1.005	171.245	525	FLOW CONTROL	D400 DOUBLE TWIN 600 X 600
E. 412018.620 N. 418988.300	2.455							
S8	173.530		1	1.006	171.133	150	B	D400 600 X 600
E. 412023.237 N. 418984.684	2.247							
S9	172.000		1	1.007	170.383	150	C	D400 600 X 600
E. 412020.302 N. 418954.688	1.467							
S12	177.152		0	2.000	175.727	225	C	D400 600 X 600
E. 411981.123 N. 419016.208	1.200							

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
F1	178.201		0	1.000	176.300	150	B	D400 600 X 600
E. 411940.229 N. 418993.894	1.751							
F2	176.453		1	1.000	173.800	150	B	D400 600 X 600
E. 411977.566 N. 418990.958	2.503							
F3	176.503		1	2.000	173.750	150	B	D400 600 X 600
E. 411980.797 N. 418996.612	2.603							
F4	173.670		1	1.002	171.800	150	B	D400 600 X 600
E. 412026.426 N. 418992.163	1.720							
F5	172.250		1	1.003	170.100	150	B	D400 600 X 600
E. 412022.730 N. 418955.774	2.000							
C1	171.150		1	1.004	169.420	150	B	D400 600 X 600
E. 412018.468 N. 418945.231	1.580							

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
F7	177.146		0	2.000	175.300	150	B	D400 600 X 600
E. 411982.450 N. 419016.907	1.696							
C2	169.010		1	1.009	166.858	150	B	D400 600 X 600
E. 412012.150 N. 418920.407	2.002							

CODE For Adoption Under a Section 104 Agreement

- All adoptable sewer works and material to be in accordance with "Code for Adoption" - The Relevant British/European and Yorkshire Waters Standards/requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
- Manhole covers must have a clear opening of 600mm 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 Yorkshire Water before any sewer works are carried out.
- Yorkshire Water are not obliged to accept filter drain/land drainage runoff into the public sewer network or adoptable drainage system (directly or indirectly.) An alternative method of disposal of land drainage runoff will therefore be required. Please consult with the Local Authority/Land drainage Section.
- The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
- Sewers must have 5 metres clearance from trees and hedges or the width of canopy at mature height.
- Sewers to be laid in Class "S" bedding (150mm granular bed & surround.) Where depth of cover to the top of the sewer is less than 1.2m in Highway and verges (or less than 900mm in non vehicular areas) then a concrete slab should be provided above the granular bed and surround.
- Bedding and backfill material to conform to the requirements of Water Industry Specification 4-09-02 (Table A2)
- Yorkshire 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 sited over the channel where depth of cover to pipe soffit is 1.0-1.5m
- Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and BS EN 13476). 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. Yorkshire Water require clay channels in manholes.
- The minimum crushing strength for clay pipes should be as follows:
100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 45KN/m, 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 must be enough clearance at crossovers to accommodate bedding to both pipes (approx 300mm); If crossover is near the rocker then the clearance needed may need to be increased.

Preliminary

B	Layout updated. Drainage amended	4-11-25	AST
A	Layout updated. Drainage amended	22-7-25	AST
Rev	Details	Date	Drwn/ Chk.

Newett Homes
Yew Tree Road
Birchenclyffe, Huddersfield
Manhole schedules

Dwg No. : STE/25/03/12 B
Date : 20-3-25
Scale : Not to scale Copyright © Shaun Tonge Engineering

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