



Plan 1:500

- KEY**
- Existing Public combined sewer to remain
  - Proposed combined sewer diversion
  - Existing combined sewer to be abandoned by grouting. All live connections to be picked up.

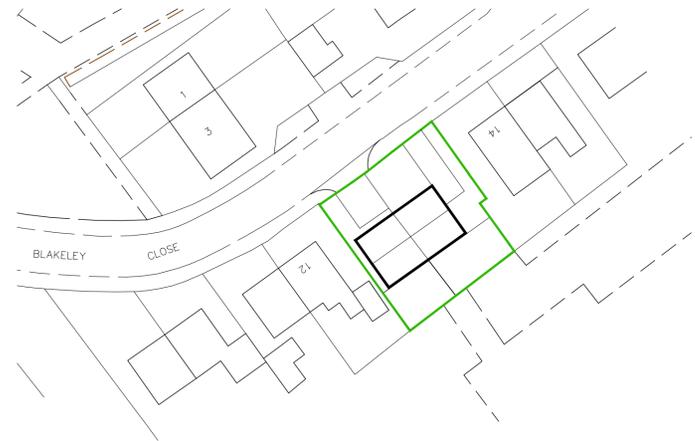
**NOTES**

The proposed diverted sewer has been checked on site for line and level by sondle tracing. Downstream manhole not visible. Connection points should be checked for line and level prior to commencement of works.

All levels relate to OS by Active Network GPS

Foundations are to be taken down to a level so they will not transfer any load onto the sewer and allow for future excavations on the sewer.

Care should be taken not to undermine the foundations of No.'s 12 & 14 whilst carrying out construction works.



Legal boundary /Location plan 1:500  
E 435999, N409377

**CODE For Adoption Under a Section 104 Agreement**

- All adoptable sewer works and material to be in accordance with Sewerage Sector Guidance Design and Construction Guidance (Code for Adoption). The Relevant British/European and Yorkshire Water's Standards/Requirements/Local Practice for the Adoption of Small Submersible Foul and Surface Water Pumping Stations and must be 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 is 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 the 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.
- There should be enough clearance at crossovers to accommodate bedding to both pipes, approx 300mm; if crossover is near the rocker then the clearance needed may be increased.
- Bedding and backfill material to conform to the requirements of Water Industry Specification 4-08-02 (Table A1)
- Yorkshire Water policy is that brick manholes and 1050mm dia. manhole rings are not preferred. Instead it is preferred that you use a type "S" manhole with 1200mm dia. 1350mm 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 and Yorkshire Water would prefer clayware channel in manholes.
- The minimum crushing strength for clay pipes should be as follows: 100mm dia. 40kNm, 150mm dia. 40kNm, 225mm dia. 45kNm and 300mm dia. 72kNm. The minimum crushing strength for concrete pipes should be - (Class 100 to EN 1916/BS5911:1 2002). Plastic pipes should conform to WIS 4-35-01 and BS EN 13476
- 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.

DIVERSION

	C1	C2	C3
GROUND LEVEL	71.345	71.019	70.900
COMBINED COVER LEVEL	71.345	71.000	71.200
COMBINED INVERT	66.818	66.522	66.359
COMBINED DETAILS	Die 375 Circular CONC 1 in 56 CLASS 'S' B&S	Die 375 Circular CONC 1 in 56 CLASS 'S' B&S	
COMBINED LENGTHS	16.818	9.155	

Proposed Longitudinal section  
Scale H-1:500, V-1:100

EXISTING SEWER

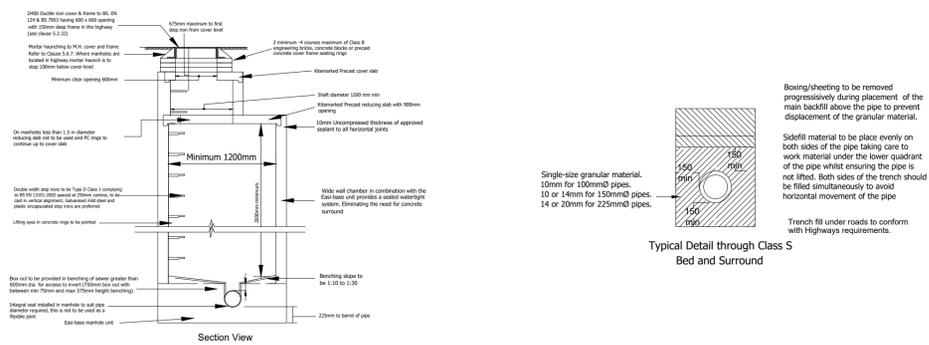
	C1	C3
GROUND LEVEL	71.345	71.200
COMBINED COVER LEVEL	71.345	71.200
COMBINED INVERT	66.818	66.359
COMBINED DETAILS	Die 375 Circular CONC 1 in 43	
COMBINED LENGTHS		19.740

Existing Longitudinal section  
Scale H-1:500, V-1:100

**Typical Wide Wall Manhole Construction**

Type A Alternative Wide Wall Manhole (Design and Construction Guidance)

For use on manholes of depth from cover level to soffit of pipe between 3000mm and 6000mm.

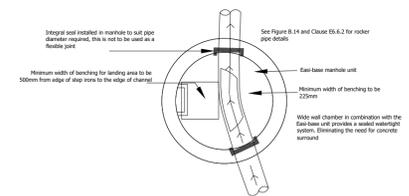


Typical Detail through Class S Bed and Surround

**Manhole & bedding details  
Not to scale**

**Typical Wide Wall Manhole Plan View**

Type A and Type B (Design and Construction Guidance)



Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams		Manhole	Cover
C1	71.345	1		66.818	375 EXTG	1500	A	D400
E. 435991.462	4.152	0	1.000	66.818	375			
N. 409376.772								
C2	71.000	1	1.000	66.522	375	1500	A	D400
E. 436005.577	4.103	0	1.001	66.522	375			
N. 409385.915								
C3	71.200	1	1.001	66.359	375	1500	A	D400
E. 436010.860	4.466	0		66.359	375 EXTG			
N. 409378.438								

Proposed Manhole schedules  
Not to scale

A	Diversion amended to 375 diameter. Levels/gradients amended	12-8-25	AST
Rev	Details	Date	Drwn  Chk.

**Bofen Homes**

**Blakeley Close  
Athersley South, Barnsley**

**Section 185 details**

Dwg No. : STE/25/12/01 A

Date : 12-6-25

Scale : 1:500

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**SHAUN TONGE  
ENGINEERING**

11 Broomhead Road, Wombwell, Barnsley, S73 0SA.  
Mobile 07528 278070. Email Shauntongeengineering@yahoo.co.uk