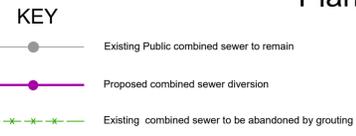


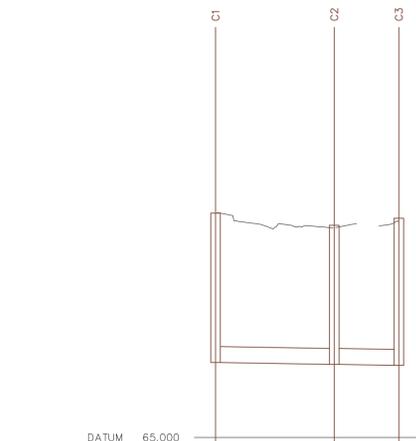
Plan 1:500



NOTES
 The proposed diverted sewer has been checked on site for line and level by sonde 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.

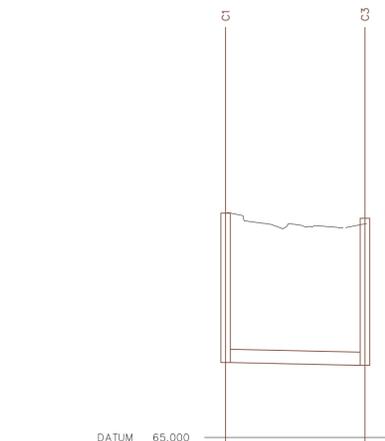
CODE For Adoption Under a Section 104 Agreement

- All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and Yorkshire Water's 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 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 A2)
- Yorkshire Water policy is not to accept Type "C" brick manholes and 1050mm dia manhole rings. 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 1.0-1.5m
- Adoptable plastic sewer pipes to be BS1 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 Yorkshire Water would prefer clayware channel in manholes.
- The minimum crushing strength for clay pipes should be as follows: 100mm dia: 40kN/m, 150mm dia: 40kN/m, 225mm dia: 40kN/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.



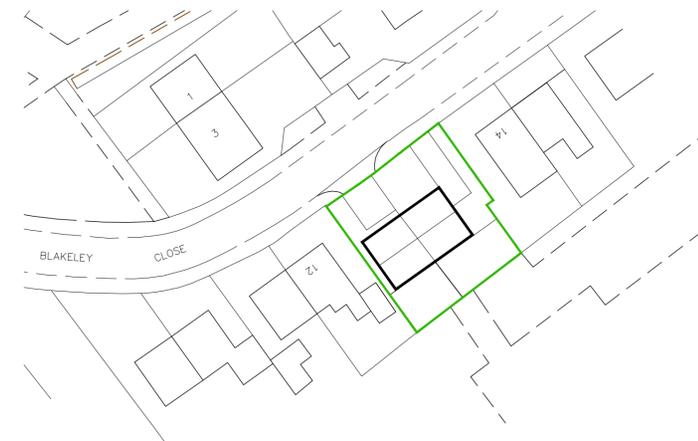
| DIVERSION | | EXISTING SEWER | |
|----------------------|---|---|-------------------------------|
| GROUND LEVEL | 71.345 | 71.019 | 71.200 |
| COMBINED COVER LEVEL | 71.345 | 71.000 | 71.200 |
| COMBINED INVERT | 67.119 | 67.067 | 67.039 |
| COMBINED DETAILS | Di 450 Circular CONC 1 in 324 CLASS S B&S | Di 450 Circular CONC 1 in 324 CLASS S B&S | Di 375 Circular CONC 1 in 250 |
| COMBINED LENGTHS | 16.818 | 9.155 | 19.740 |

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



| DIVERSION | | EXISTING SEWER | |
|----------------------|---|---|-------------------------------|
| GROUND LEVEL | 71.345 | 71.019 | 71.200 |
| COMBINED COVER LEVEL | 71.345 | 71.000 | 71.200 |
| COMBINED INVERT | 67.119 | 67.067 | 67.039 |
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Existing Longitudinal section
Scale H-1:500, V-1:100

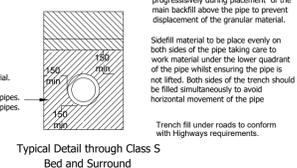
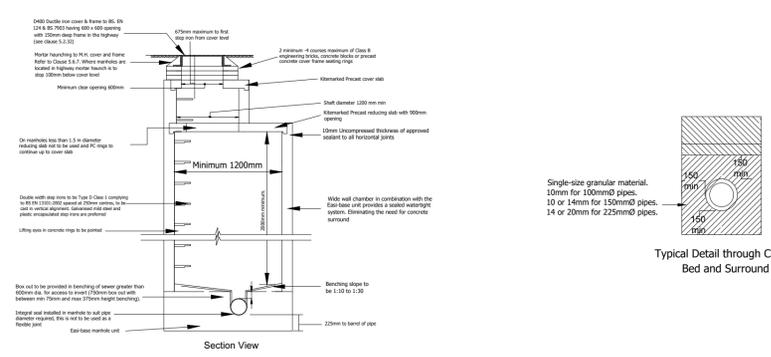


Legal boundary plan 1:500

Typical Wide Wall Manhole Construction

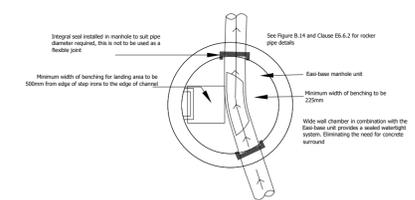
Type A Alternative Wide Wall Manhole (Design and Construction Guidance)

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



Typical Wide Wall Manhole Plan View

Type A and Type B (Design and Construction Guidance)



Manhole & bedding details
Not to scale

| Manhole Number | Cover Level | Connections | Pipe | | | Manhole Size | Types | |
|--------------------------------|-------------|-------------|-------|---------|----------|--------------|---------|-------|
| | | | Code | Inverts | Diams | | Manhole | Cover |
| C1 | 71.345 | 1 | | 67.119 | 375 EXTG | 1500 | A | D400 |
| E. 435991.462 N. 409376.772 | 3.776 | 0 | 1.000 | 67.119 | 450 | | | |
| C2 | 71.000 | 1 | 1.000 | 67.067 | 450 | 1500 | A | D400 |
| E. 436005.577 N. 409385.915 | 3.483 | 0 | 1.001 | 67.067 | 450 | | | |
| C3 | 71.200 | 1 | 1.001 | 67.039 | 450 | 1500 | A | D400 |
| E. 436010.860 N. 409378.438 | 3.711 | 0 | | 67.039 | 375 EXTG | | | |

Proposed Manhole schedules
Not to scale

| Rev | Details | Date | Drwn | Chk. |
|-----|---------|------|------|------|
| | | | | |

Bofen Homes
Blakeley Close
Athersley South, Barnsley

Section 185 details

Dwg No. : STE/25/12/01
Date : 12-6-25
Scale : 1:500
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