



- YORKSHIRE WATER SEWER NOTES
1. All adoptable sewer works and materials 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.
 2. Manhole covers shall have a clear opening of 600mm and shall be Class D400 to BS EN 24 with 150mm deep frames in highways.
 3. Filled ground must be filled and consolidated under the supervision of and to the satisfaction of Yorkshire Water before any sewer works are carried out.
 4. Yorkshire 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 with therefore be required and you will have to liaise with the Local Authority, Land Drainage Section with the regard to the disposal of the filter drain/land drain run-off.
 5. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
 6. Sewers must have 5m clearance from trees and hedges or the width of the canopy at mature height.
 7. Sewers to be laid with Class 'S' Bedding (150mm granular bed and surround). Where depth of cover to top of sewer is less than 1.2m in highways and verges (or less than 800mm in none vehicular areas), then a concrete slab should be provided above the granular bed and surround.
 8. Bedding and backfill material to conform to the requirements of the Water Industry Specification 4-08-02 (Table A2).
 9. Yorkshire water policy is not to accept type 'c' brick manholes and 1000mm diameter rings. 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 1.1-1.5m.
 10. Adoptable plastic sewer pipes to be BS EN 13476 (certified to WIS 4-3-01 and BS EN 13476). Adoptable plastic sewer pipes to be laid in 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 channels 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.
 11. The minimum crushing strength for clay pipes should be as follows: 100mm dia 400N/m, 150mm dia 400N/m, 225mm 450N/m and 300mm dia 720N/m. The minimum crushing strength for concrete pipes should be - Class 120 to EN 1916/BS5911-1:2002). Plastic pipes should conform to WIS 4-3-01 and BS EN 13476.
 12. 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.
 13. There must be enough clearance at crossovers to accommodate bedding for both pipes, approx. 300mm if crossover is near the rocker then the clearance needed may need to be increased.

REV	DETAILS	DATE
		24-10-23
SCALE = 1:250 @ A0		
CHARTERED CIVIL ENGINEER		
HM Design 10 The Green York YO26 5LR 07919 031289 Client RMH PROPERTIES LTD Drawing Title SECTION 104 SEWER PLAN Site Address Phases 2 and 3 Paddock Road Staincross Barnsley S75 6LG		
Drawn HM	Checked HM	Date 24/10/2023