



1. All adoptable sewer works and material to be in accordance with the Design and Construction Guidance, the Relevant British/European and Adopting Company Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
2. Manhole covers shall be installed with a clear opening of 675mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
3. Filled ground must be filled and consolidated under the supervision and to the satisfaction of the Engineer before any sewer works are completed.
4. The Water Company is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (directly or in-directly). An alternative method of disposal of the filter drain run-off will therefore require approval 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.
5. Cover slabs must carry the BS1 Kitemark or will be rejected by the 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 675mm x 675mm cover size. Please refer to Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued Autumn 2004 for Kitemarked slab spanning sizes.
6. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report proving that such treatments are not necessary.
7. All side access manholes must be constructed to a depth of 1.2m from kerb faces and service margins.
8. Sewers must have 5 metres clearance from trees and hedges (please also refer to Design & Construction Guidance and Sewers for Adoption 6th Edition for restrictions on tree planting adjacent to sewers).
9. Sewers to be laid in Class B bedding (150mm granular bed and surround). Where in depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 1.5m in non vehicular access areas) then concrete slab bedding is required to be used for the granular bed and surround.
10. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
11. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the additional connections and bends.
12. General policy will be to accept brick manholes and 1050mm dia manhole rings. It is preferred that use is made of Concrete Type C manhole with 1200mm dia or 1500mm dia rings, with the opening sited over the channel where possible.
13. 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 preference is to use clayware channels in manholes.
14. Plastic pipes should conform to WIS 4-35-01 and BS EN13476.
15. Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accept any of the following lifting devices: standard 20mm diameter chain, 16mm diameter wire rope.
16. Plastic demarcation chambers that are located within driveways must be provided with 150mm thick concrete surround.

FLOW CONTROL DATA - MANHOLE S20		
DEVICE	ORIFICE	213MM
DEVICE	MANUFACTURER	F P MCCANN
DEVICE	MODEL NO	FPM-SB1
DEVICE	DESIGN HEAD	2.269M
DEVICE	DESIGN DISCHARGE	31.1L/S

A 29/01/25 existing watercourse from the north east added  
and indicative diversion route

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*Gleeson Homes*

Site. Wakefield Road,  
Smithies.

Title.	
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S104 Plan  
Sheet 2.

Date:	Scales:	Drawing No.
Jan. 2025	1/500	25/792/11038A

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