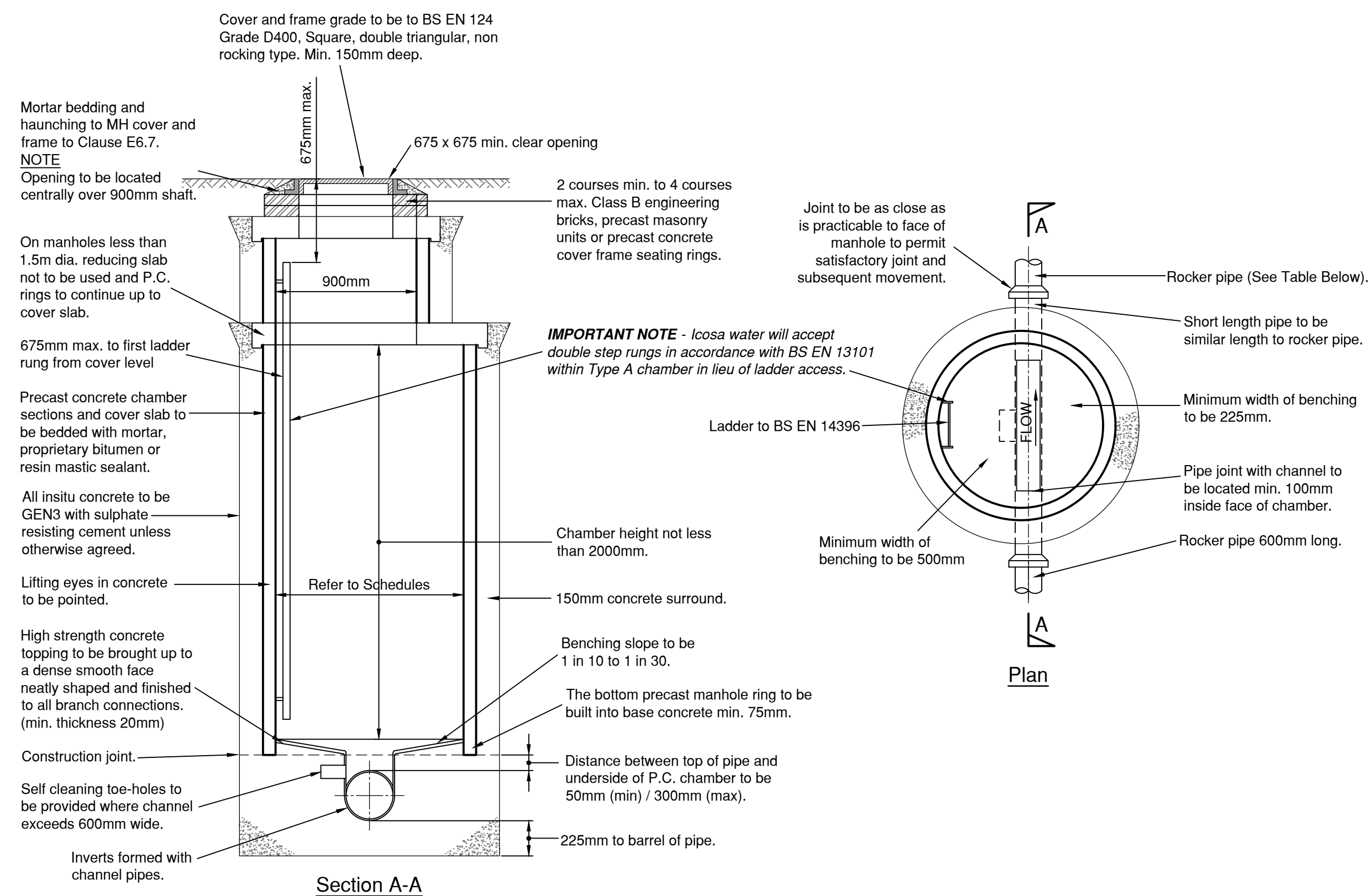
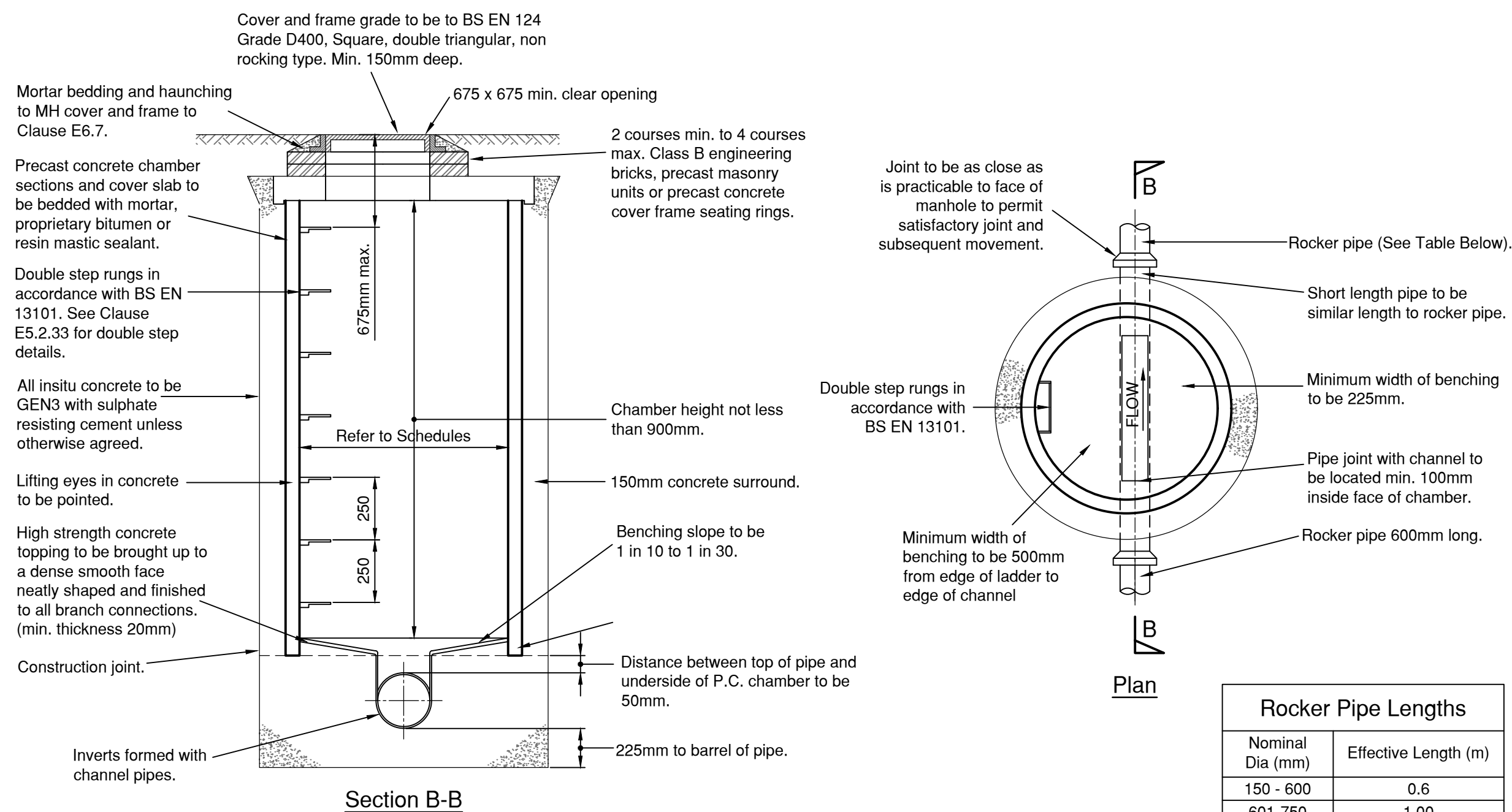
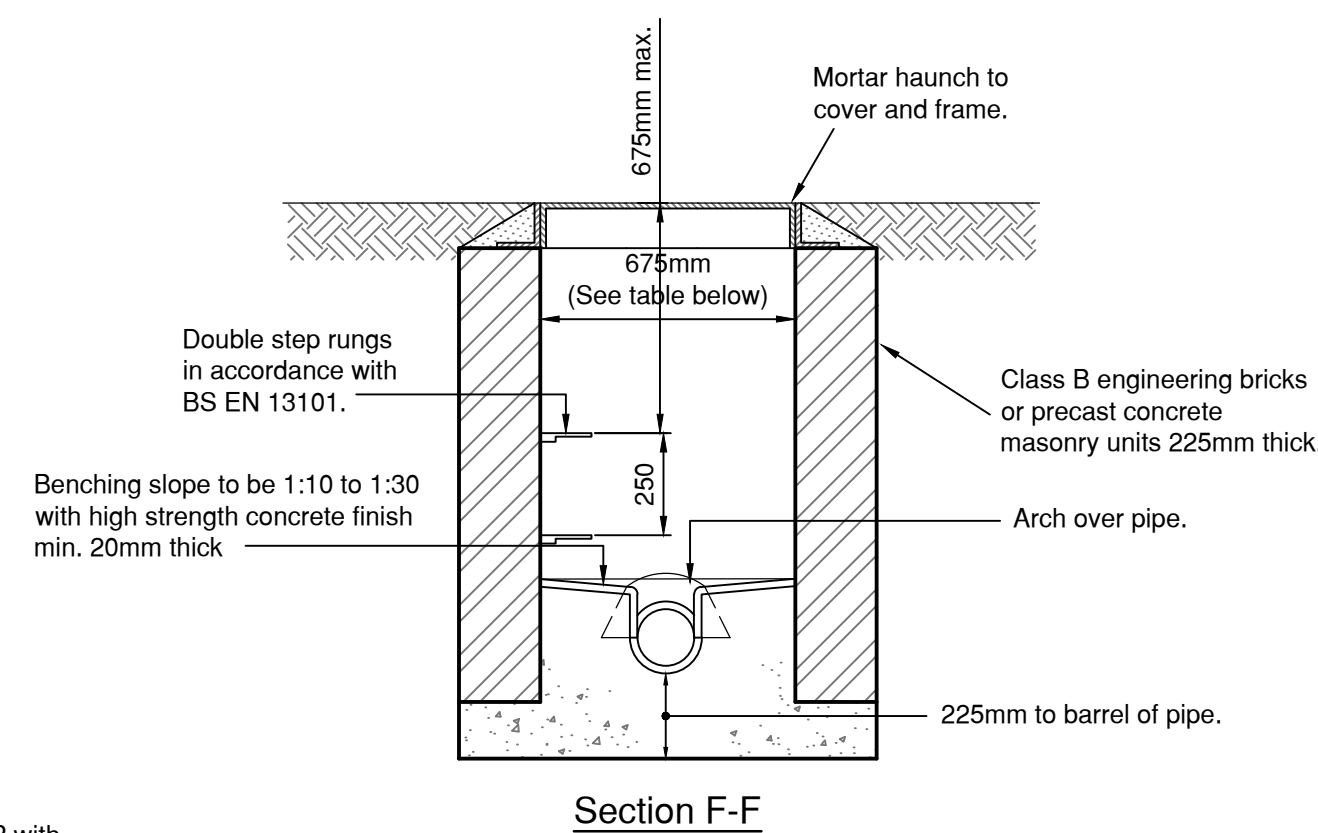
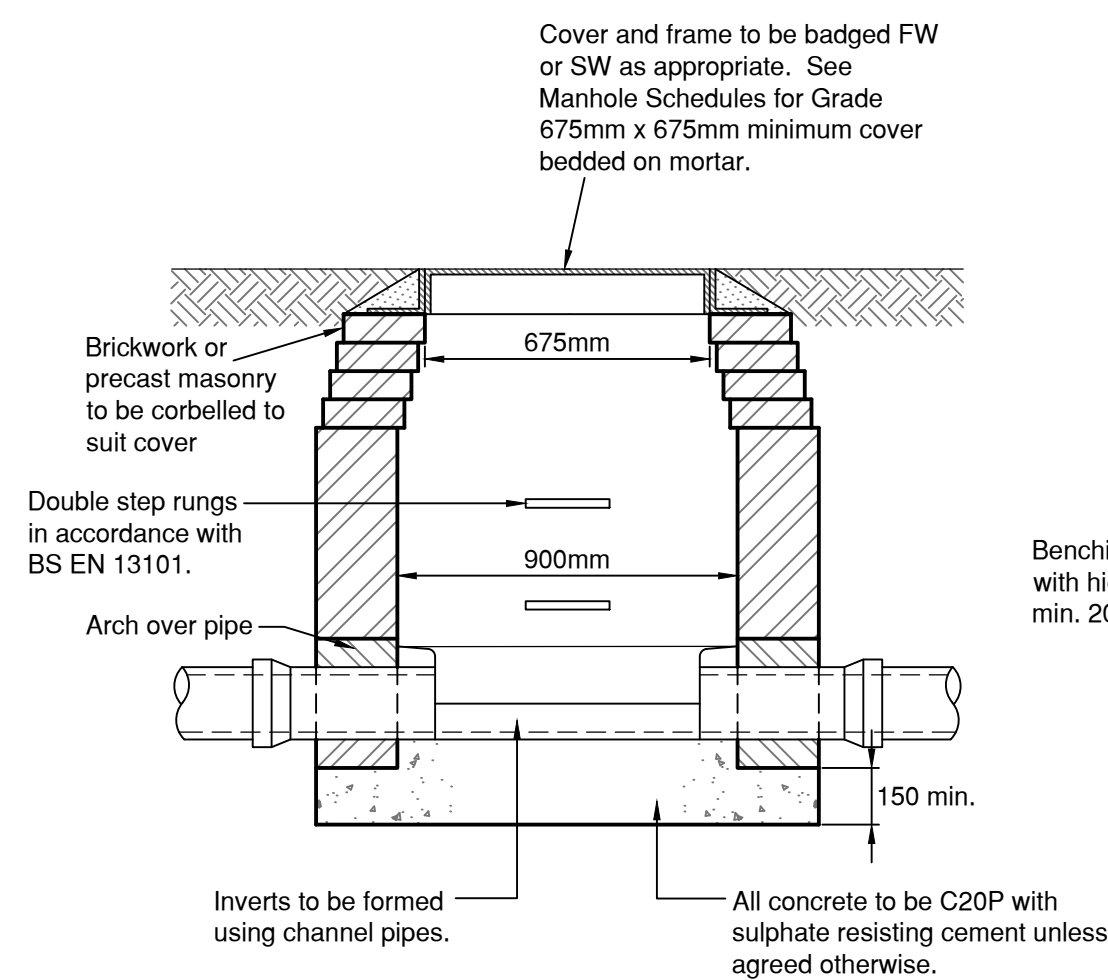
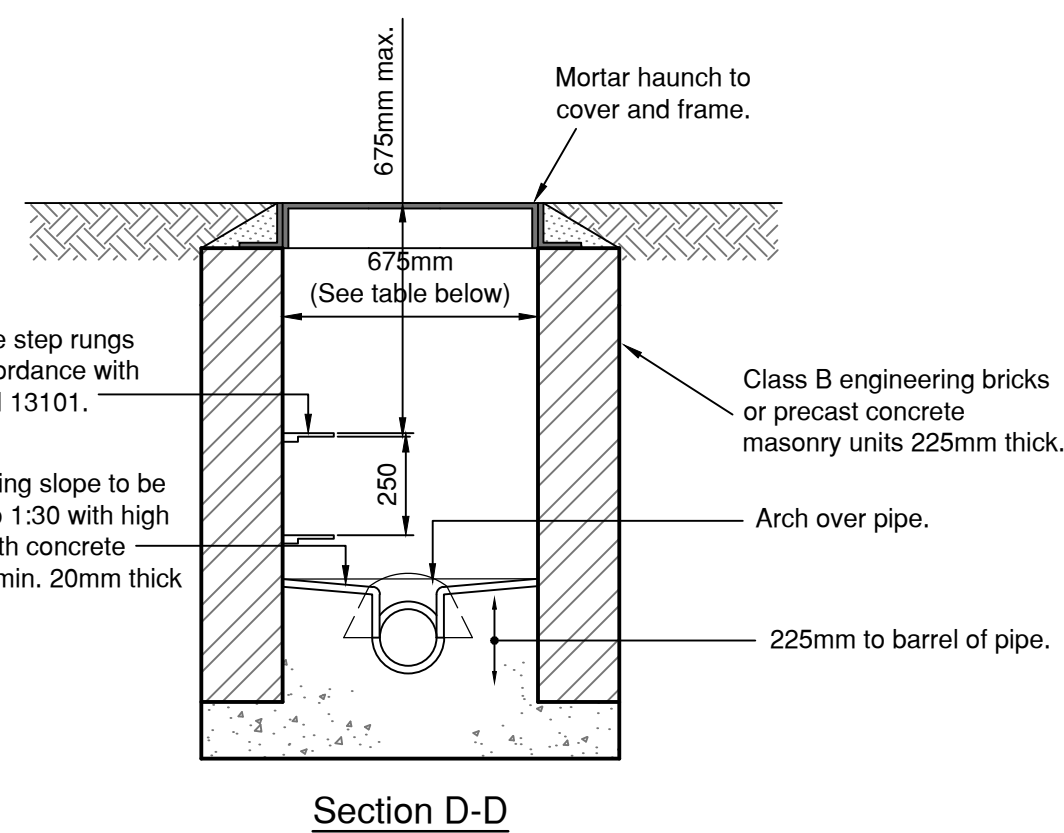
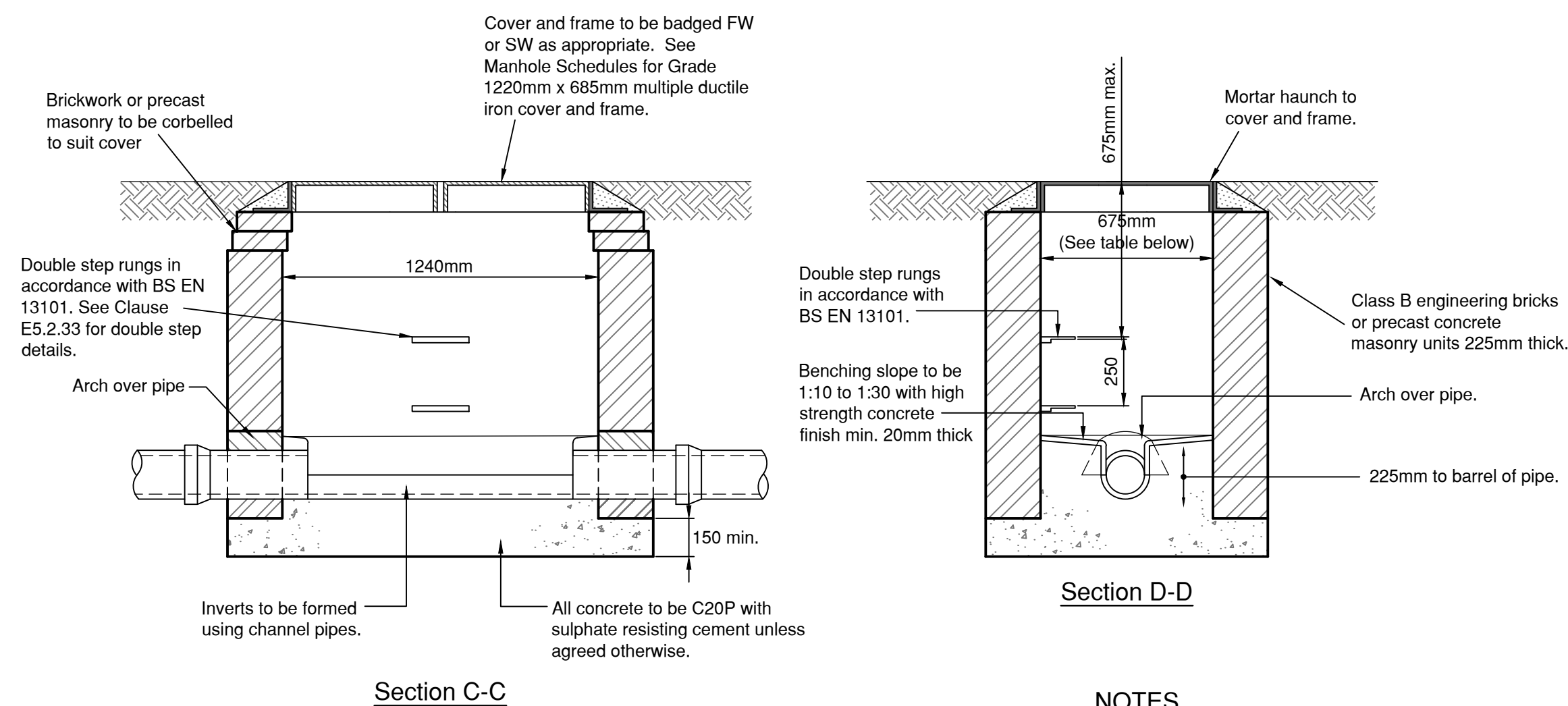




Type A Manhole
Depth to soffit 3.0m to 6.0m



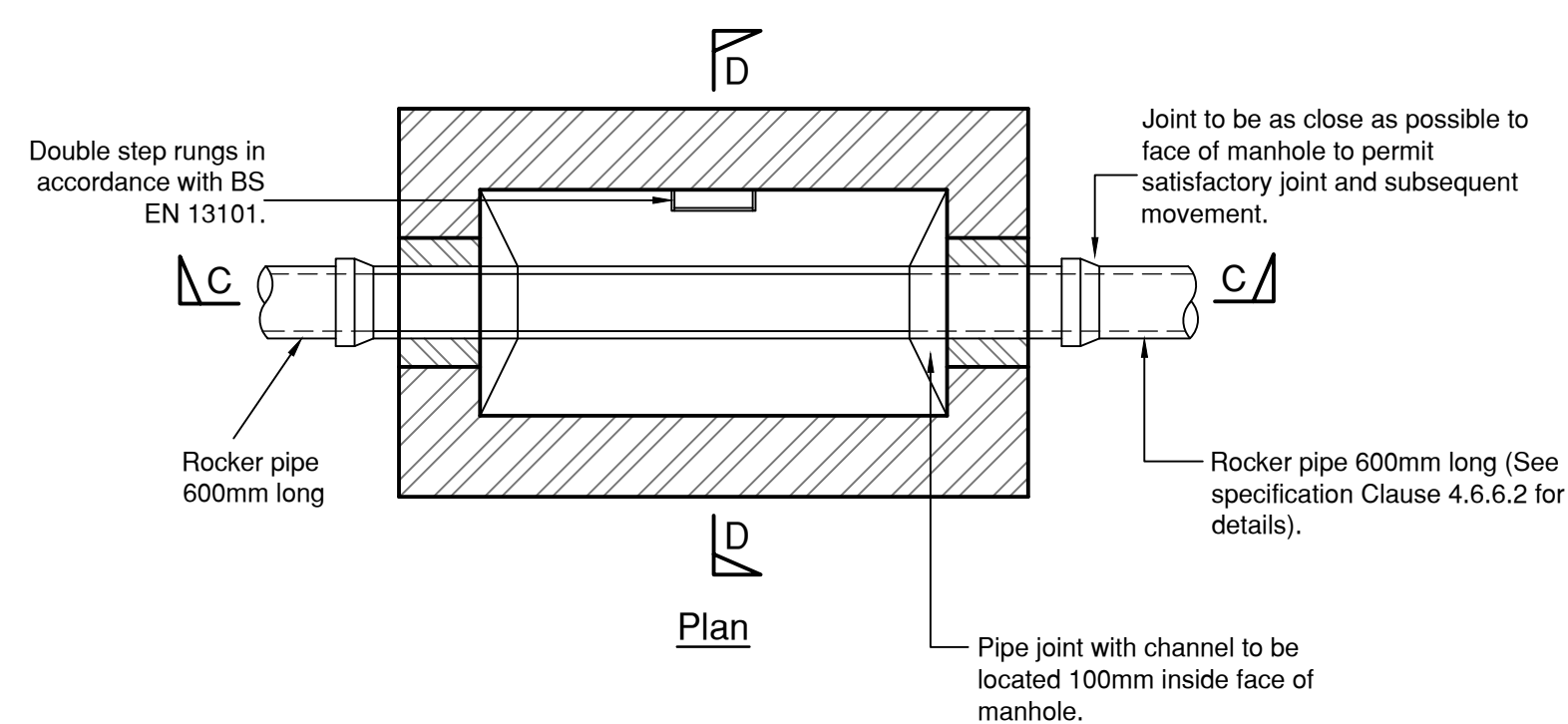
Type B Manhole
Depth to soffit max. 3.0m



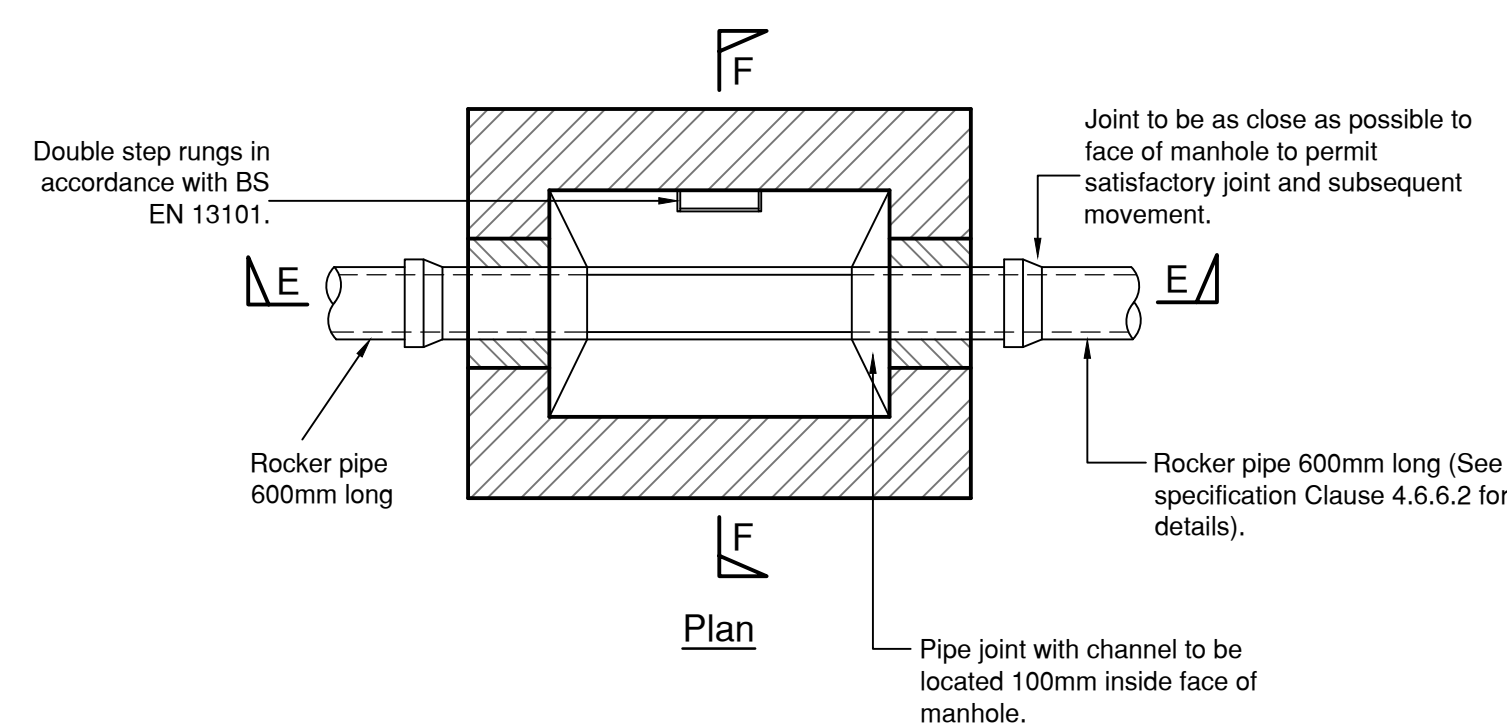
NOTES

1. Internal dimensions of manhole normally 1240mm x 675mm but manhole width should be increased for pipes larger than 225mm dia. to give 225mm benching each side and the brickwork /masonry units corbelled down to suit cover.
2. The use of precast rectangular concrete manhole units with 150mm C20 concrete may be permitted, but approval should be sought from Icosa Water Inspector.
3. Manholes with less than 1.45m cover to soffit levels must be constructed using Class A engineering brickwork.

Pipe Size	Manhole Width
225	675
300	750
375	825
450	900



Type C Manhole
Depth to soffit 1.0m to 1.5m



Type D Manhole
Depth to soffit less than 1.0m

- NOTES

1. Internal dimensions of manhole normally 900mm x 675mm but manhole width should be increased for pipes larger than 225mm dia. to give 225mm benching each side and the brickwork /masonry units corbelled down to suit cover.
2. The use of precast rectangular concrete manhole units with 150mm C20 concrete may be permitted, but approval should be sought from Icosa Water Inspector.
3. Manholes with less than 1.45m cover to soffit levels must be constructed using Class A engineering brickwork.

Pipe Size	Manhole Width
225	675
300	750
375	825
450	900

NOTES

1. This drawing should be read in conjunction with S104 FW Sewer Adoption Layout (FON xxx xxx to xxx), Foul Water Sewer Longitudinal Sections (FON xxx xx x), Surface Water Sewer Longitudinal Sections (FON xxx xxx x), Domestic Drainage Layouts (FON xxx xxx xx x), Drainage Construction Details (FON xxx xxx xx x) and Domestic Drainage Construction Details (FON xxx xxx xx x)
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. All construction to be in accordance with Sewers for Adoption - 6th Edition and the specific requirements of Icoca Water.
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
7. Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equal approved. Refer to drainage layout and schedules for details of manufacturer and specification.
8. For details of size and invert of pipe and top of headwall level etc. see engineering layouts.
9. Completed bagwork to be wetted to ensure bonding.
10. Where the headwall is at the head of a ditch the invert bagwork shall extend 4 bag widths.
11. Alternate courses of bagwork shall be pinned with 12mm dia high yield steel 'U' bars 450mm long.
12. ***Outgoing pipes greater than 600mm diameter should be fitted with guard bars, safety chains (to BS4942:pt 2 and BS 7291) or other safety devices in accordance with the Icoca Water safety policy.***

Nominal Dia (mm)	Effective Length (m)
150 - 600	0.6
601-750	1.00
over 750	1.25

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

[illegible]

Client:-



Site:-
Fontwell
Eastergate
Arundel

Drawing Title:-
SECTION 104:
CONSTRUCTION
DETAILS
SHEET 1 OF 2

Date:	March 2020	Scales:	H 1:500, V 1:100 at A1
Drawn:	GD-I	Checked:	LD
		Approved:	TRS

Drawing No.

FON-181-01

INITIAL TENDER ISSUE
SUBJECT TO PLANNING APPROVAL



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