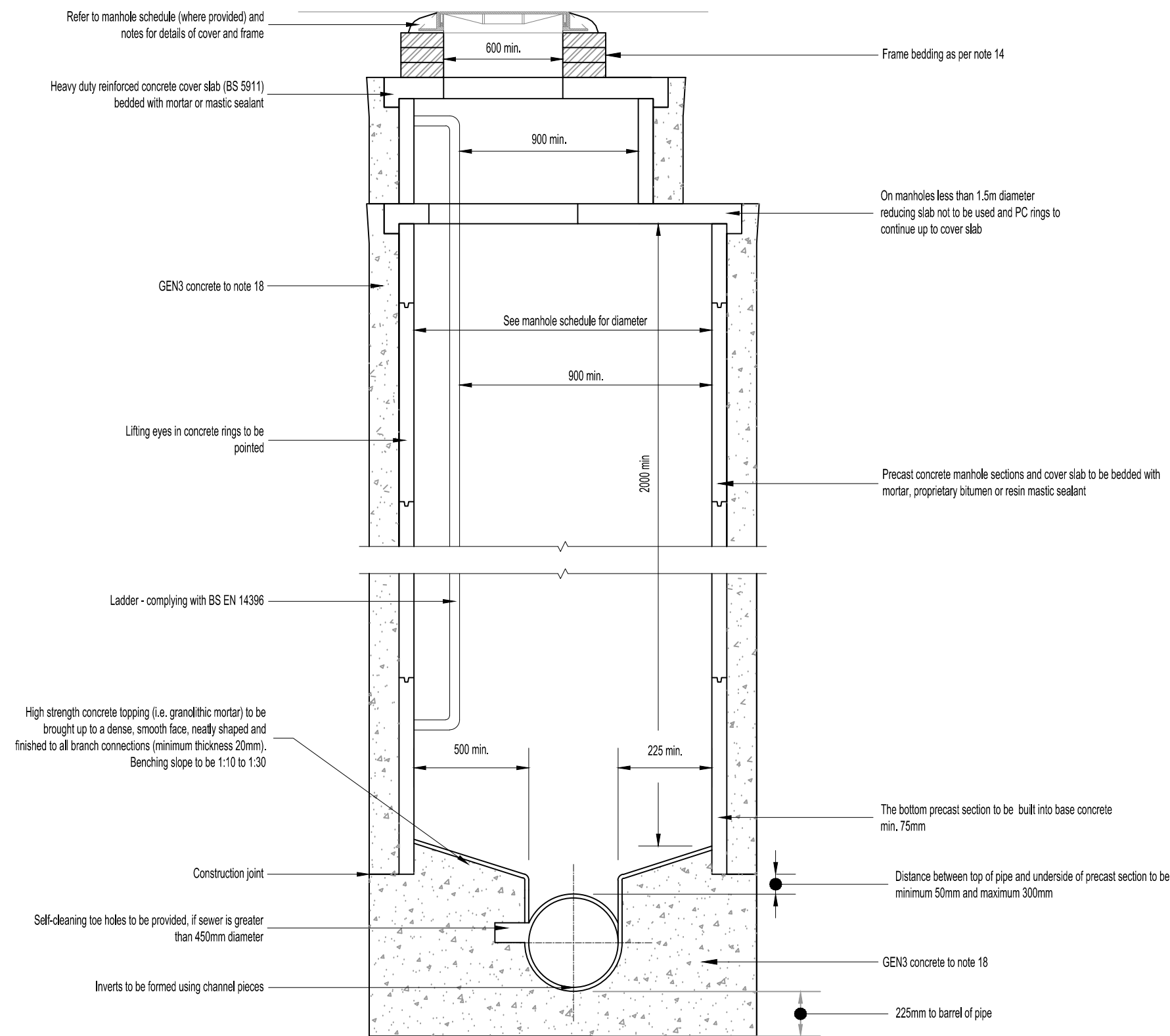
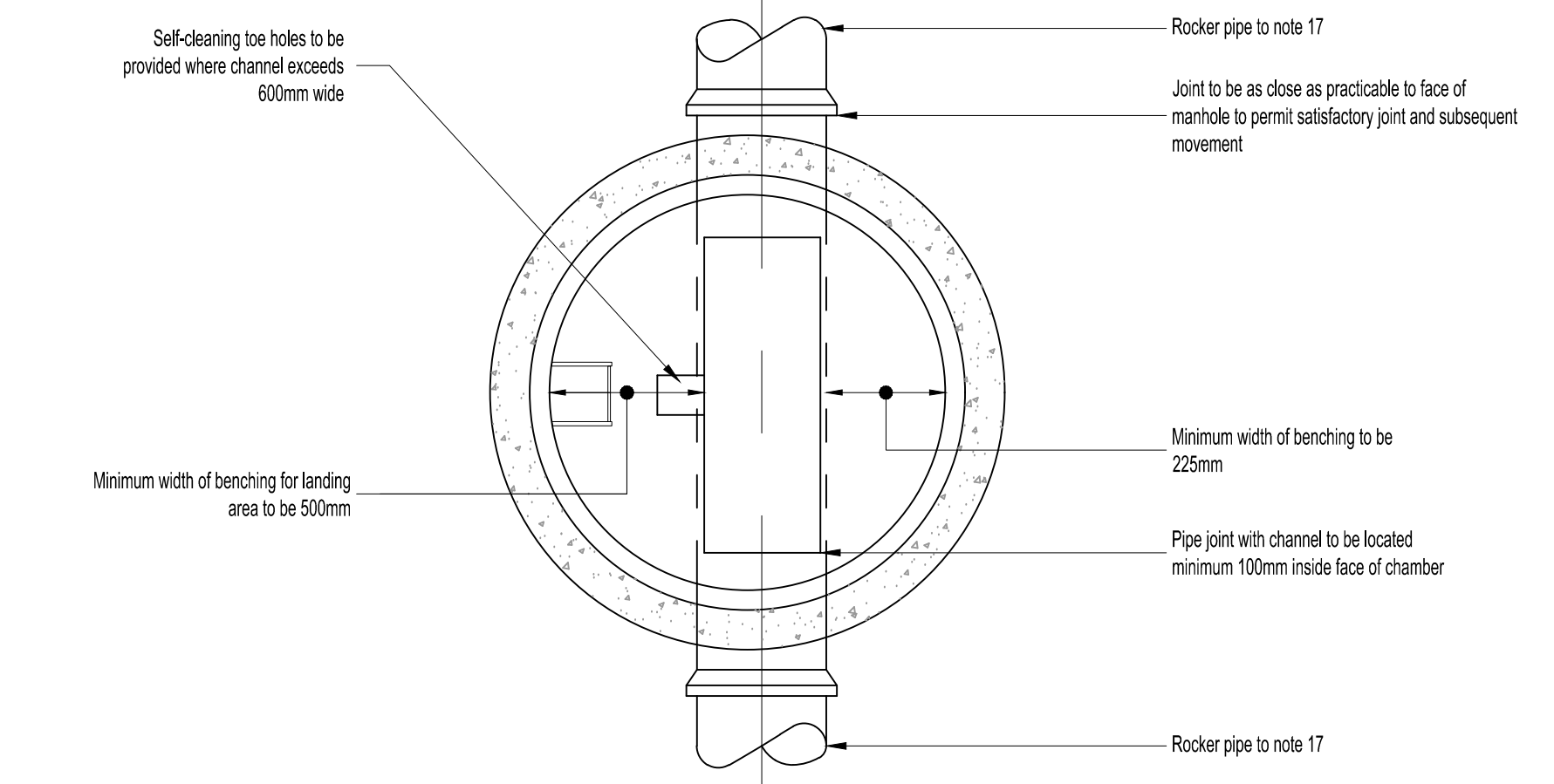


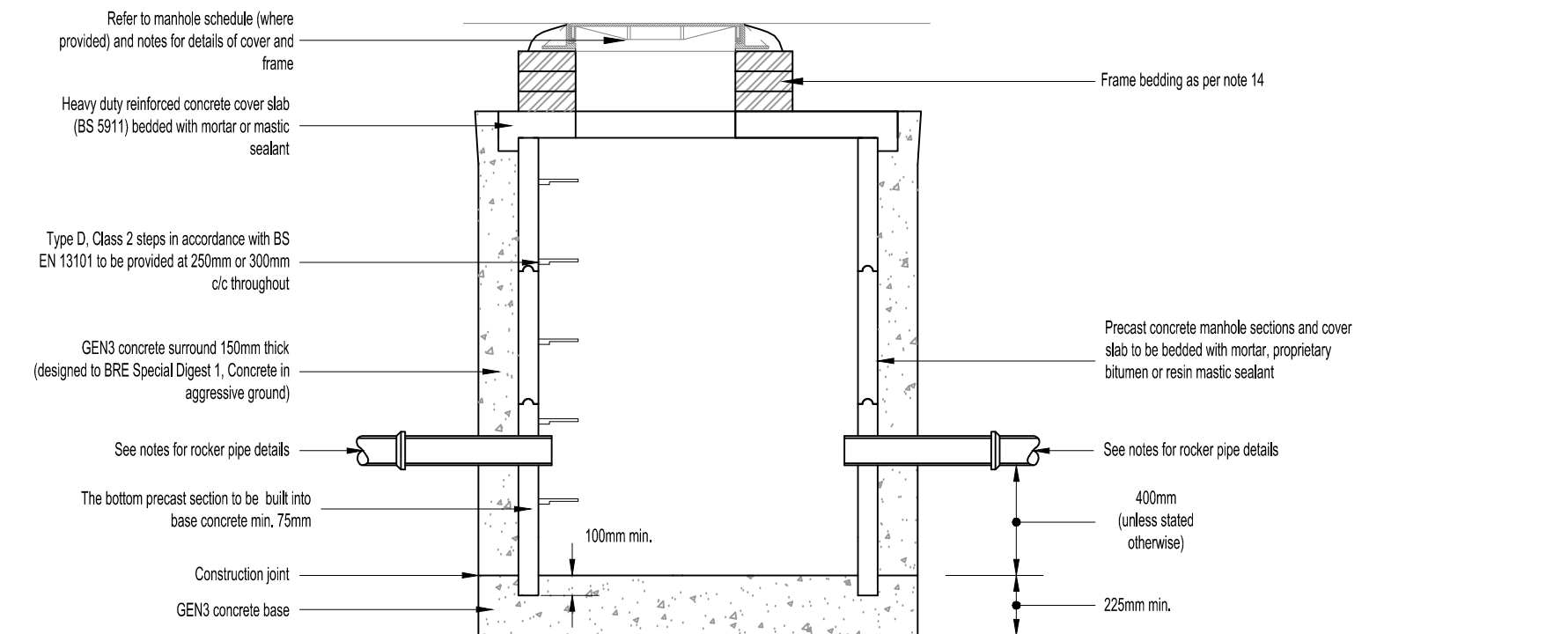


Section



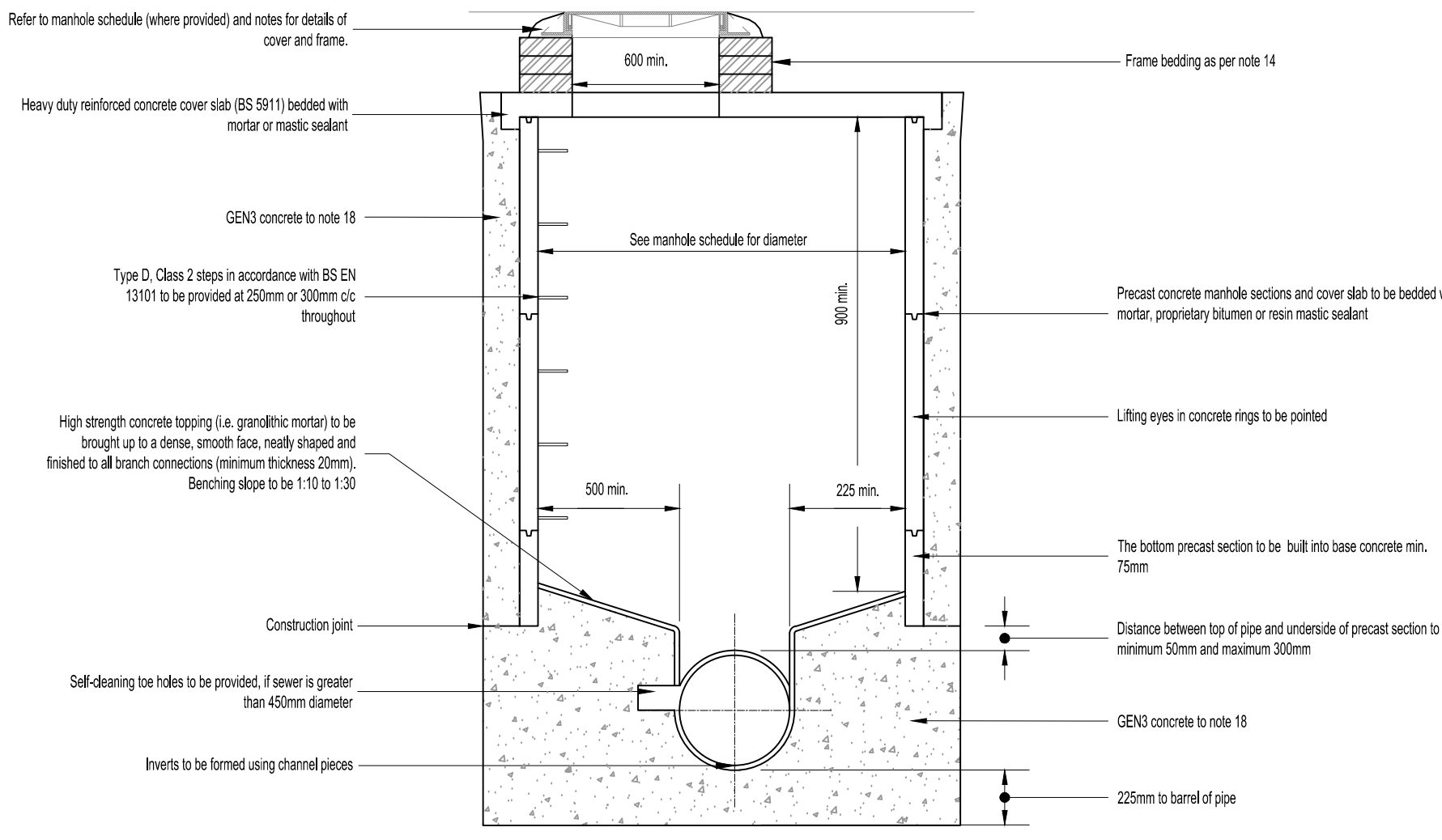
Plan - Manhole Type A
Typical pre-cast concrete manhole - 3-6m deep to soffit

Scale: 1:25

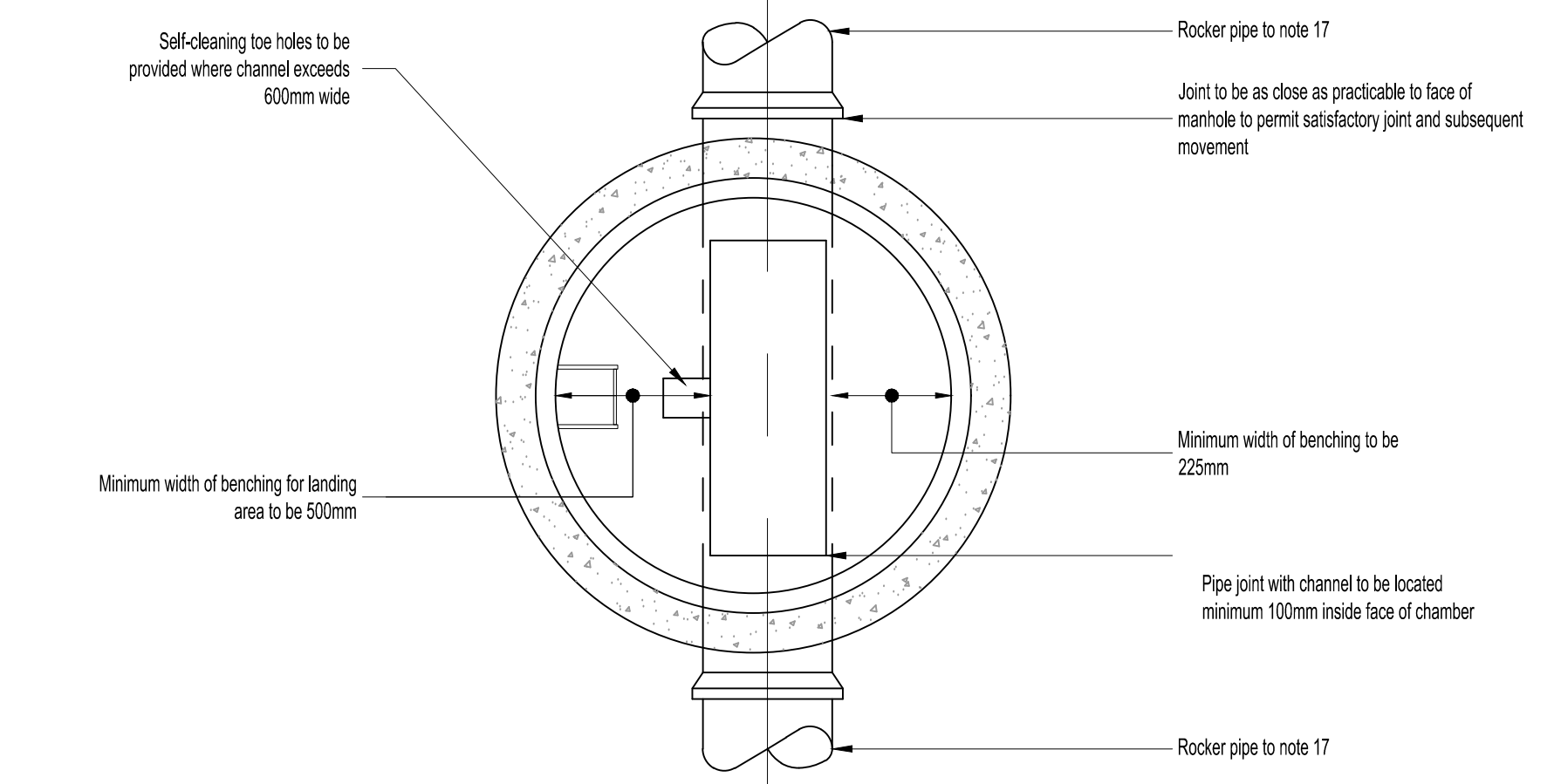


Section - Pre-cast concrete catchpit

Scale: 1:25

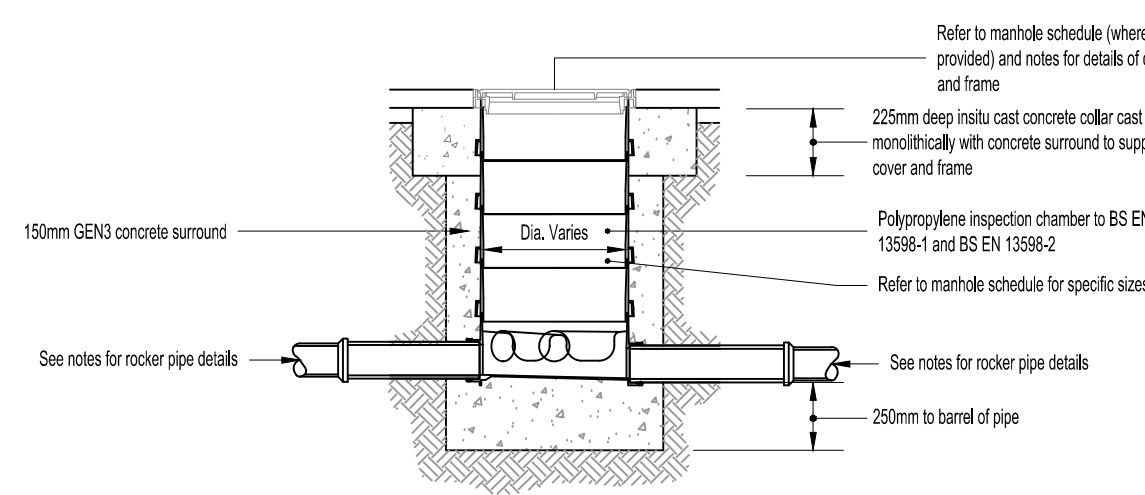


Section



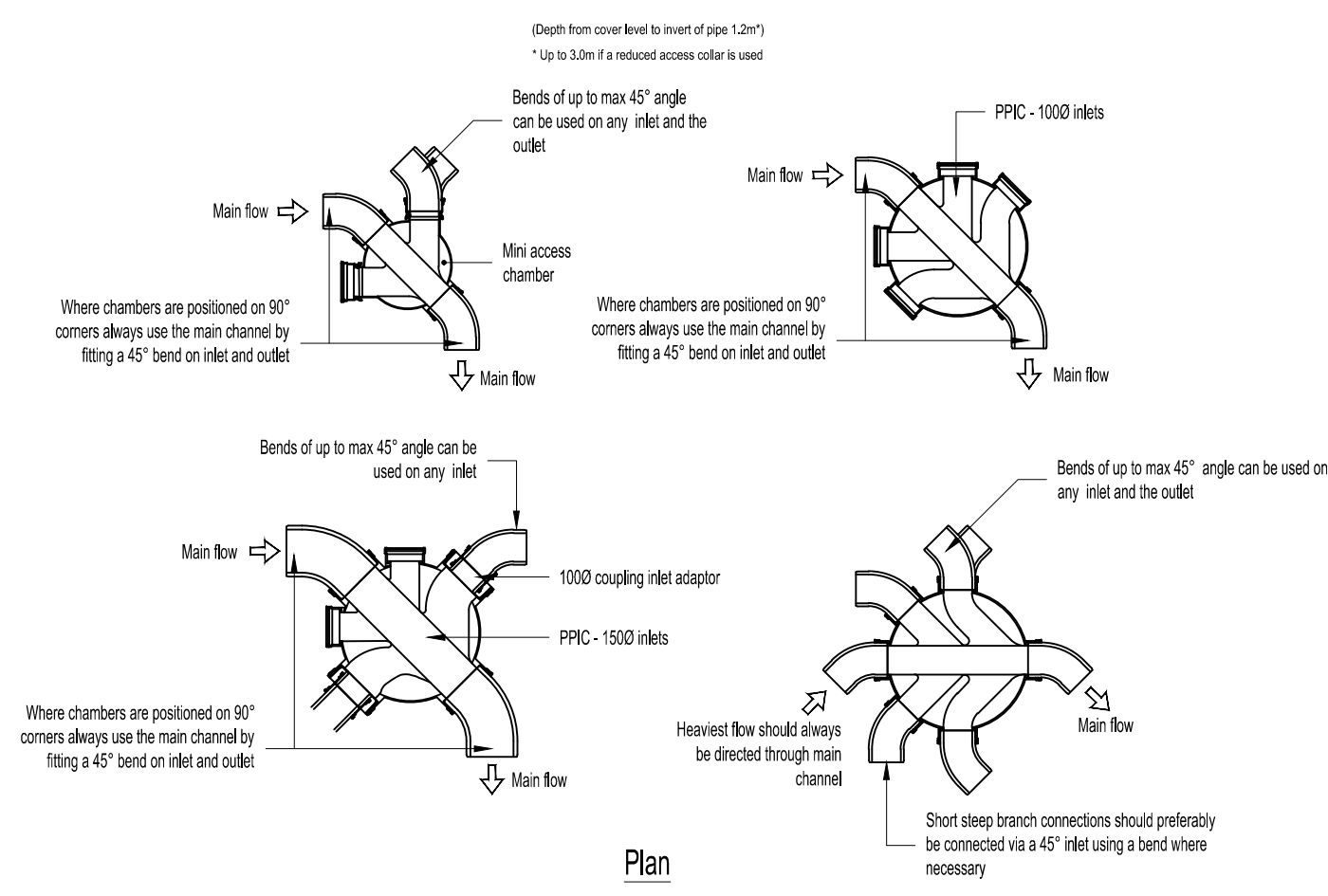
Plan - Manhole Type B
Scale: 1:25

Typical pre-cast concrete manhole - 1.5-3.0m deep to soffit



Section - Polypropylene inspection chamber

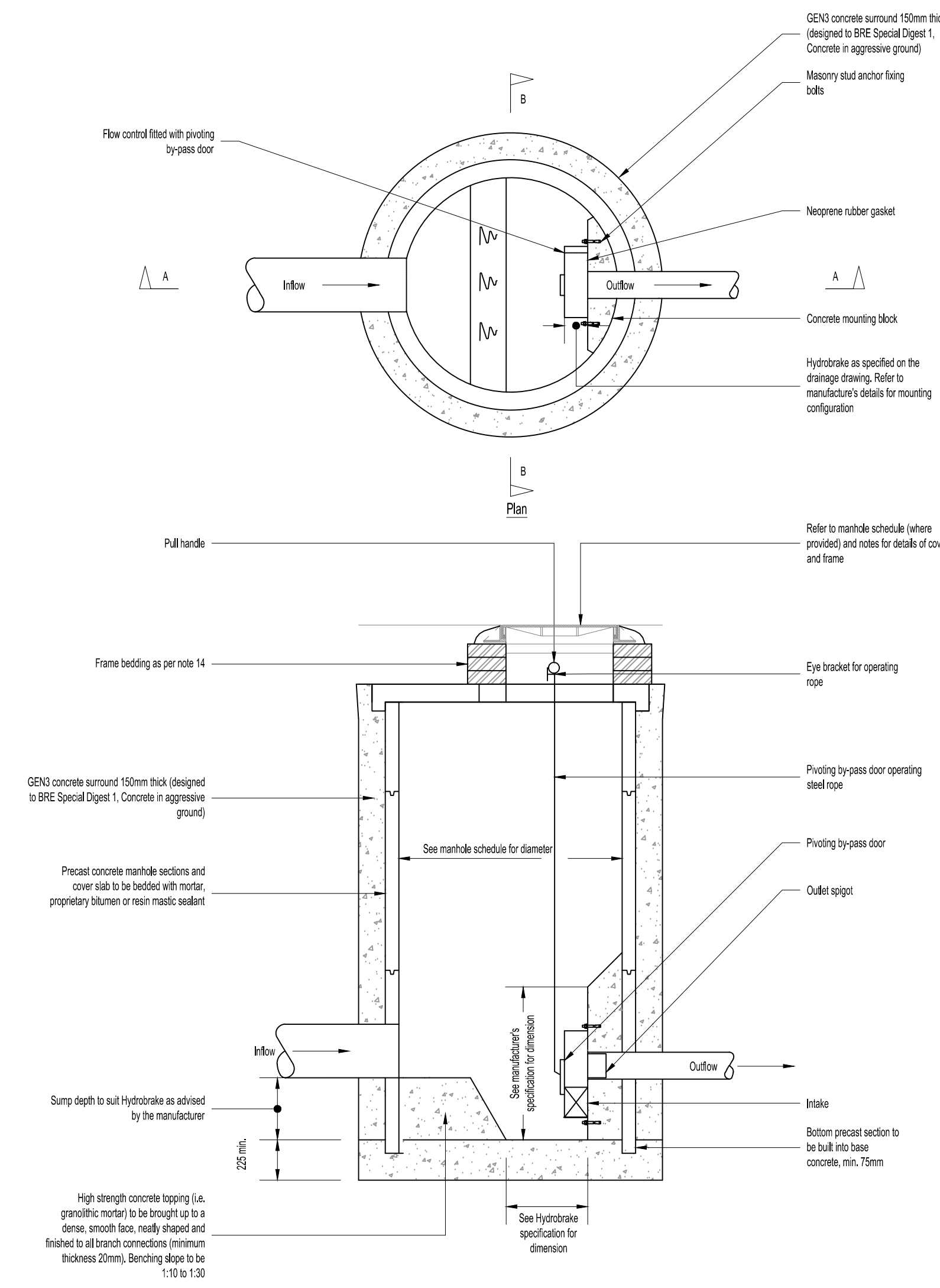
Scale: 1:25



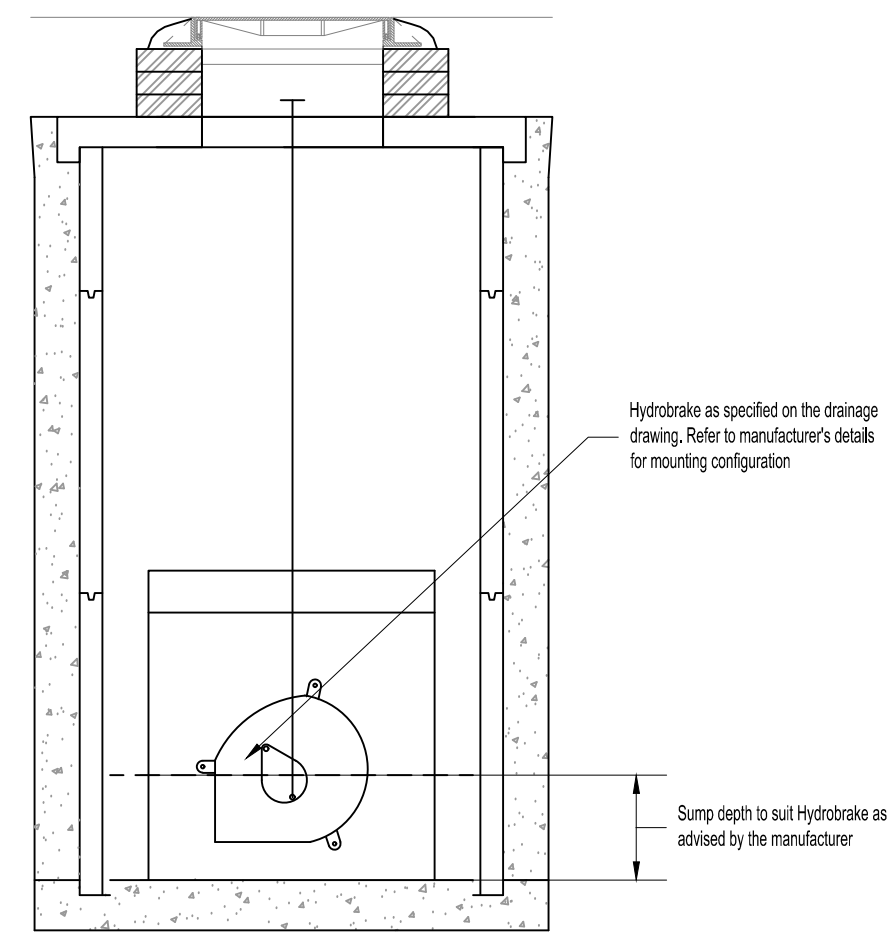
Plan

Mini access chamber / PPIC typical installation details

Scale: 1:25



Section A-A



Typical Hydrobrake flow control chamber

Scale 1:25

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

All drawings to be printed in colour.

Notes:

- All dimensions are in millimeters unless stated otherwise.
- This drawing should not be scaled.
- This drawing should be read in conjunction with the below ground drainage drawing(s) and manhole schedule(s).
- This drawing should be read in conjunction with all relevant Architect's, Engineer's and Services Engineer's specifications and drawings.
- All drainage shall be constructed in accordance with the relevant provisions of current Building Regulations, BS EN 752, BS EN 12056 and Sewers for Adoption as appropriate.
- Pre-cast concrete products shall comply with the relevant provisions of BS 5911: Part 2, 200 & 230.
- Details surrounding proprietary products and systems are indicative only. Contractor to ensure all systems are installed strictly in accordance with the manufacturer's details.
- All external manhole covers and frames located within vehicular areas are to be load class D400 and be 150mm deep unless stated otherwise.
- All external manhole covers and frames located within pedestrian areas are to be load class B125 unless stated otherwise.
- All external manhole covers and frames are to be installed square to the building, paving or highway channel lines.
- All external manhole covers and frames shall comply with the relevant provisions of BS EN 124 and BS 7903 and shall be non-ventilated (single sealed) with closed keyways unless stated otherwise.
- All internal manhole covers and frames are to be double sealed and recessed unless stated otherwise.
- All manhole covers located on grease traps are to be double sealed.
- Manhole cover frames shall be bedded on a gauged class 1 (3:1) sand/cement mortar to clause 2402 of SHW - mortar designation (i), and between 2 and 4 courses of engineering brickwork class 'B' to BS EN 771-1:2011 or precast concrete adjusting units - corbelling to be no more than 30mm per course.
- Manholes < 3m deep shall be installed with Type D Class 1 steps, complying with the requirements of BS EN 13101:2002.
- Manholes > 3m deep shall be installed with an appropriate fixed ladder complying with the requirements of BS EN 14396:2004.
- Where rigid pipes are used, a flexible joint shall be provided as close as is feasible to the outside face of any structure into which a pipe is built, within 150mm for pipe diameters less than 300mm. The design of the joints shall be compatible with any subsequent movement. Rocker pipe lengths shall be in accordance with Table 1, unless stated otherwise.

Table 1	
Nominal Diameter (mm)	Effective Length (m)
150 - 600	0.6
600 - 750	1.0
over 750	1.25

18. In situ concrete base and surround shall be class 'GEN3' in accordance with BRE Special Digest 1 - Concrete in Aggressive Ground' and the requirement of 'Sewers for Adoption'.

NOT FOR CONSTRUCTION

P01	18.02.26	JRo	JDI	Issued for Stage 3
Rev	Date	By	Chk	Description

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Project
Toutley Depot
Wokingham

Drawing Title
Typical Below Ground Drainage Details
Sheet 1

Scale	As noted @ A1	EWPP Project	2250437	Date	Feb 2026	Drawn	JRo
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Design Phase	Preliminary	Status	S2	Revision	P01
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[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.]
2250437-EWP-ZZ-XX-DR-C-30000