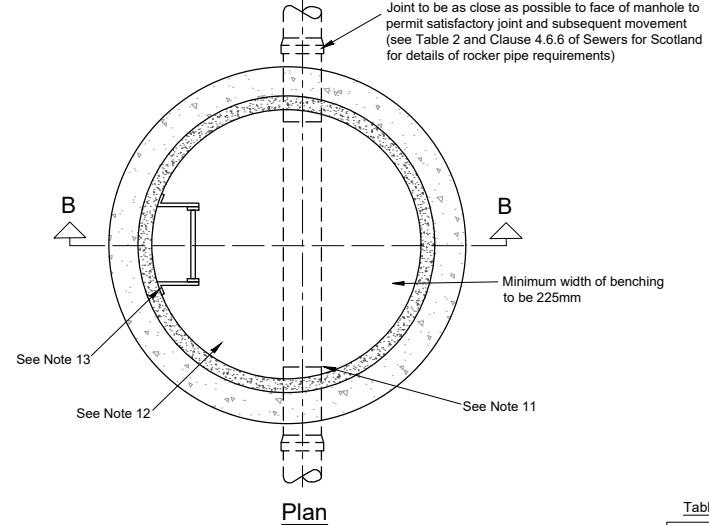


Note: Opening to be located centrally over 1050mm shaft and offset approximately 200mm for 1200mm diameter shaft with ladder

Plan



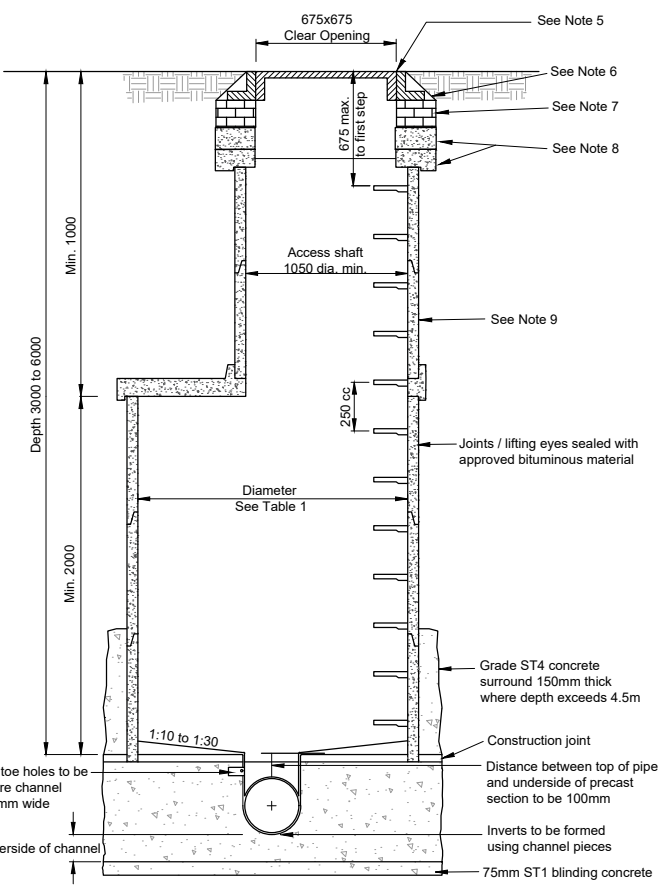
Plan

**Table 1: Diameter of Manholes**

Diameter of largest pipe in manhole	Internal diameter of manhole (mm)
Less than 375	1200
375 - 450	1350
450 - 700	1500
750 - 1050	1800
1125 - 1500	1800
Greater than 1500	Consult Scottish Water

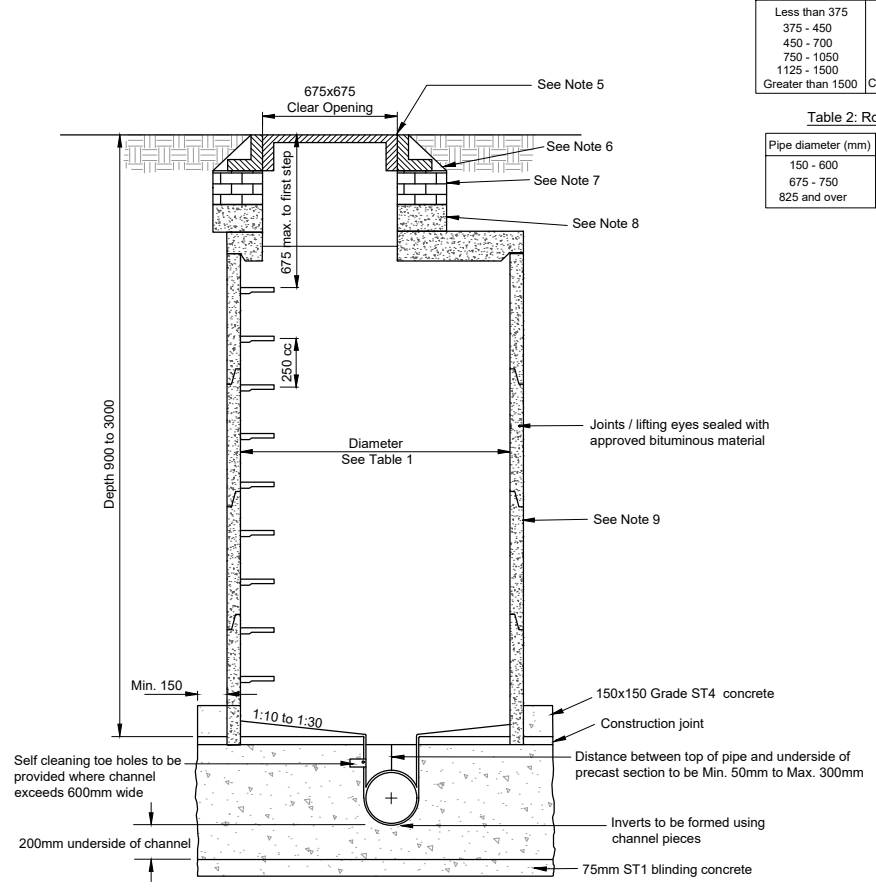
**Table 2: Rocker pipes**

Pipe diameter (mm)	Effective length (m)
150 - 600	0.60
675 - 750	1.00
825 and over	1.25



Section A-A

Type A manhole



Section B-B

Type B manhole

**Notes**

- All dimensions are in millimeters unless otherwise stated.
- The specification referred to in this drawing is the *Specification for Highway Works (SHW)* published by T.S.O. (The Stationery Office).
- The details shown in this drawing are for manholes to be used for Road Drainage only.
- All manholes to be constructed in accordance with BS EN 752 and latest version of *Scottish Water Sewers for Scotland*.
- Ductile iron manhole cover and frame. D400 Type in roads, footways and verges. B125 Type elsewhere to BS EN 124 and BS 7903 Clause 4.2.33.
- Mortar bedding and haunching to cover and frame to CI 4.6.7.
- 1-3 courses of 225mm Class B engineering brickwork above seating slab to comply with SHW CI 507.
- Precast concrete slabs and cover frame seating rings shall comply with relevant provisions of BS EN 1917 and BS 5911-3.
- Precast concrete manhole sections and cover slab to be bedded with mortar, plastomeric or elastomeric seal conforming to BS EN 1917 and BS 5911-3 Clause 4.2.30.
- First joint to be as close to manhole base as possible. This shall not exceed a clear 100mm from concrete base and must not be encased beyond the face of the joint.
- Pipe joint channel to be located 100mm inside face of manhole.
- Minimum width of benching for landing area to be 500mm from the edge of the ladder to the edge of the channel.
- Double step rungs in accordance with BS EN 13101. See SHW CI 2.27.1 for double step details.

Revision Details

Drawn by	Checked by	Check Date	Check Suf.



Project: Standard details. Series 0500:  
 Drainage and service ducts

Title: Manhole type A and B

Scale (at A4): Not to scale

Drawn	JC	Date	02/2024
Checked	CHK	Date	02/2024

Drawing No.	SD/0500/15	Rev.	1
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