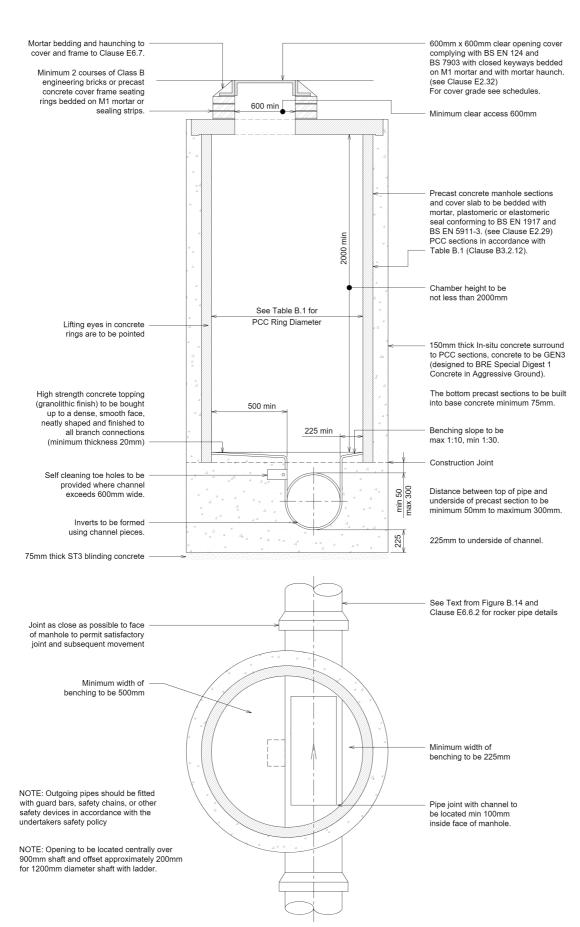
# **Typical Type 1B Chamber Detail**

Depth from cover level to soffit of pipe 3.0m to 6.0m



#### Table B.1 - Clause B3.2.12 - Manhole Diameters

Nominal internal diameter of largest pipe in manhole (mm)	Minimum nominal internal dimension of manhole (mm)
Less than 375	1200
375 - 450	1350

Clause E6.7 - Setting Manhole Covers and Frames

1. Manhole frames shall be set to level, bedded and haunched externally over the base and sides of the frame in mortar, in accordance with the manufacturers instructions. The frame shall be seated on at least two courses of Class B engineering bricks, on precast masonry units or on precast concrete cover frame seating rings to regulate the distance between the top of the cover and the top rung of the ladder (to be no greater than 675mm).  $\dot{\text{A}}$  mortar filler shall yided where the corners to an opening in a slab are chamfered and the

#### Clause E2.29 - Precast Concrete M

- Precast concrete manhole units 1917 and BS 5911-3. Units whic imposed vertical loads are transi The profiles of joints between un withstanding applied loadings from be used where the soffit of the sl
- Precast concrete chamber section comply with BS EN 1917 and BS

#### Clause E2.32 - Manhole Covers and

- Manhole covers and frames shall BS 7903 and Highways Agency non rocking design which does r
- Manhole covers on foul-only sew excessive surface water ingress.
- As a minimum, Class D400 cove pedestrian streets), hard shoulde
- Minimum frame depths for NRSV
- Class B125 covers shall be used locations.
- In situations where traffic loading typical residential estate distribut higher specification E600 covers
- 7. All Manholes shall be the non ve

### **Table E.6 Minimum Frame Depths**

NRSWA Road Category	Road Descrip
I	Trunk road a dual carriagev
II	All other A ro
III	Bus service
IV	All other roads or residential cul-d
-	Residential cul-d

#### Clause F2.37 - Ladders

- Ladders in manholes and similar BS EN 14396, with width of rung from aluminium.
- Mild steel ladders for vertical fixing EN 10025-2. After fabrication, loin accordance with BS EN 1461.
- Stainless steel ladders for vertical 17-12-2 steel conforming to BS E
- GRP ladders shall be manufactu 13706-2 and BS EN 13706-3. Th and sealed against penetration f sections shall be at least 35 whe

## Clause E6.6 - Pipes and Joints Adja

- Where rigid pipes are used, a fle as is feasible to the outside face 150mm for pipe diameters less the compatible with any subsequent
- The recommended length of the shall be as shown in Table E.12.

Table E.12 Rocker Pipes

Tuble E.TE ROOKET Tipes		
Nominal Diameter (mm)	Effect Rock	
150 to 600		
600 to 750		
Over 750		

#### Text taken from Figure B.14

500 - 700	1500	
750 - 900	1800	2
Greater than 900	Pipe diameter + 900	

brickwork is not flush with the edges of the opening.

 Frames for manhole covers shall be bedded in a polyester resin based mortar in all situations where covers are sited in NRSWA Road Categories I,II or III (i.e. all except residential cul-de-sacs). No incoming branch is to be less pipes entering the bottom of the