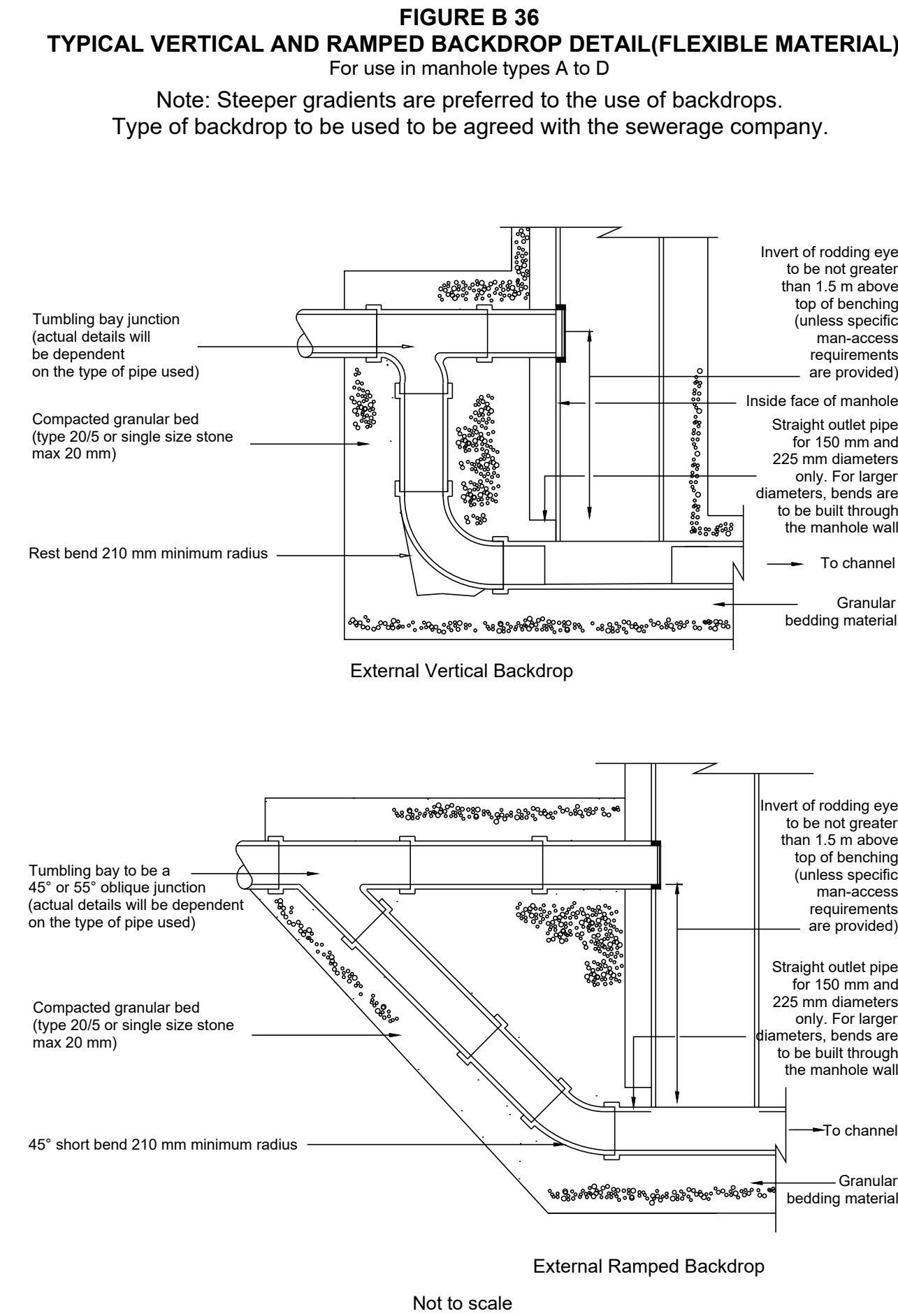
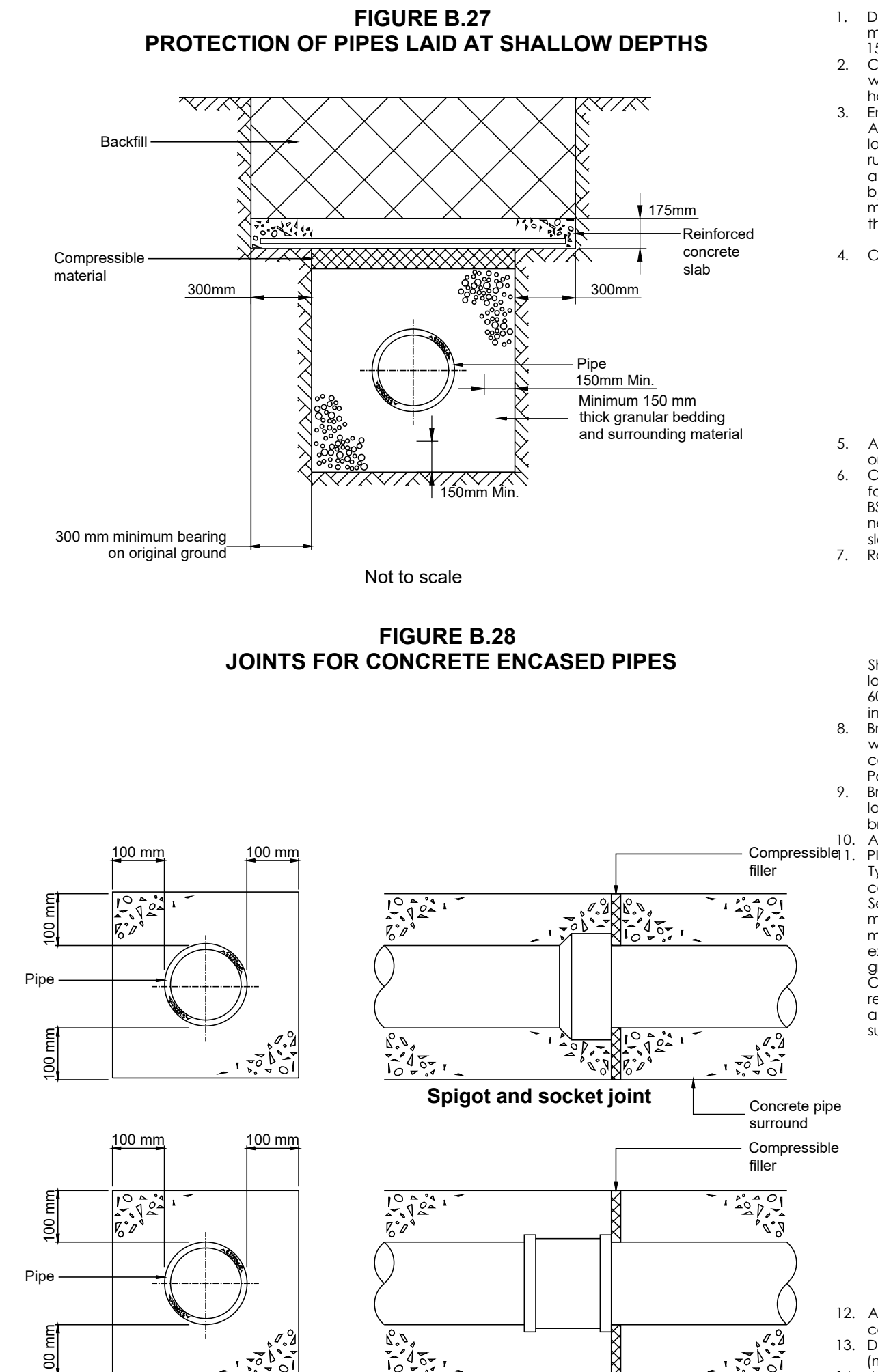
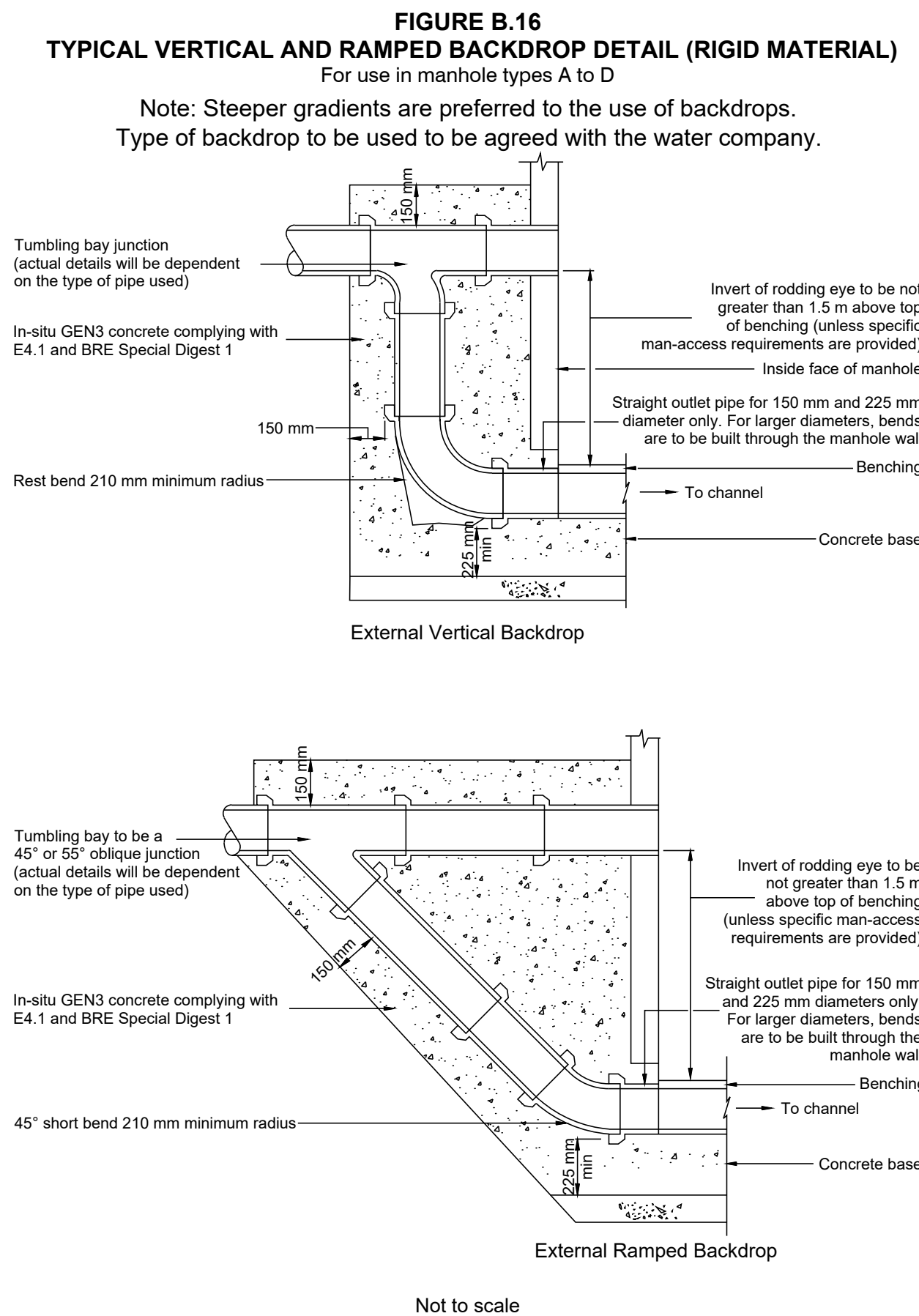
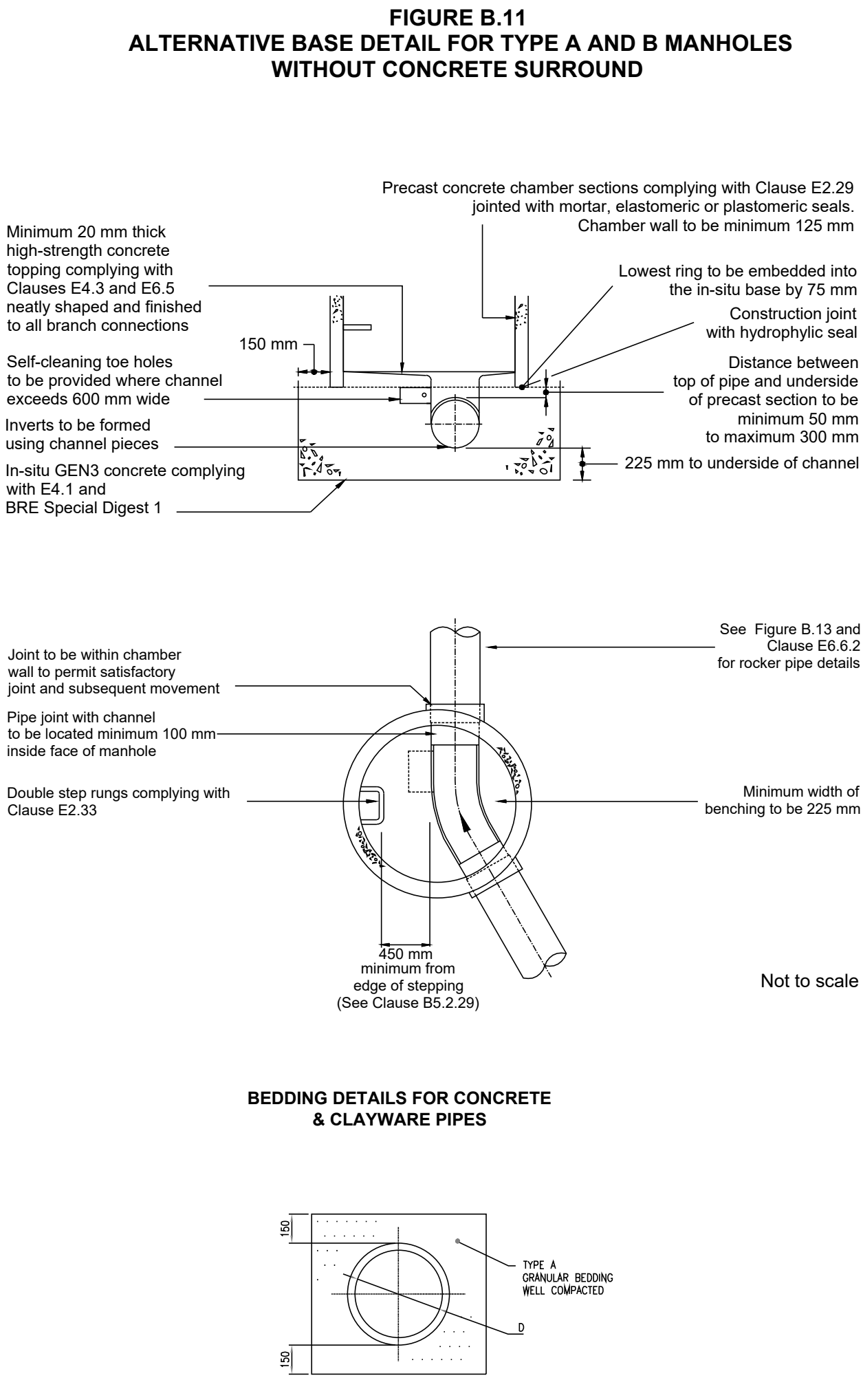
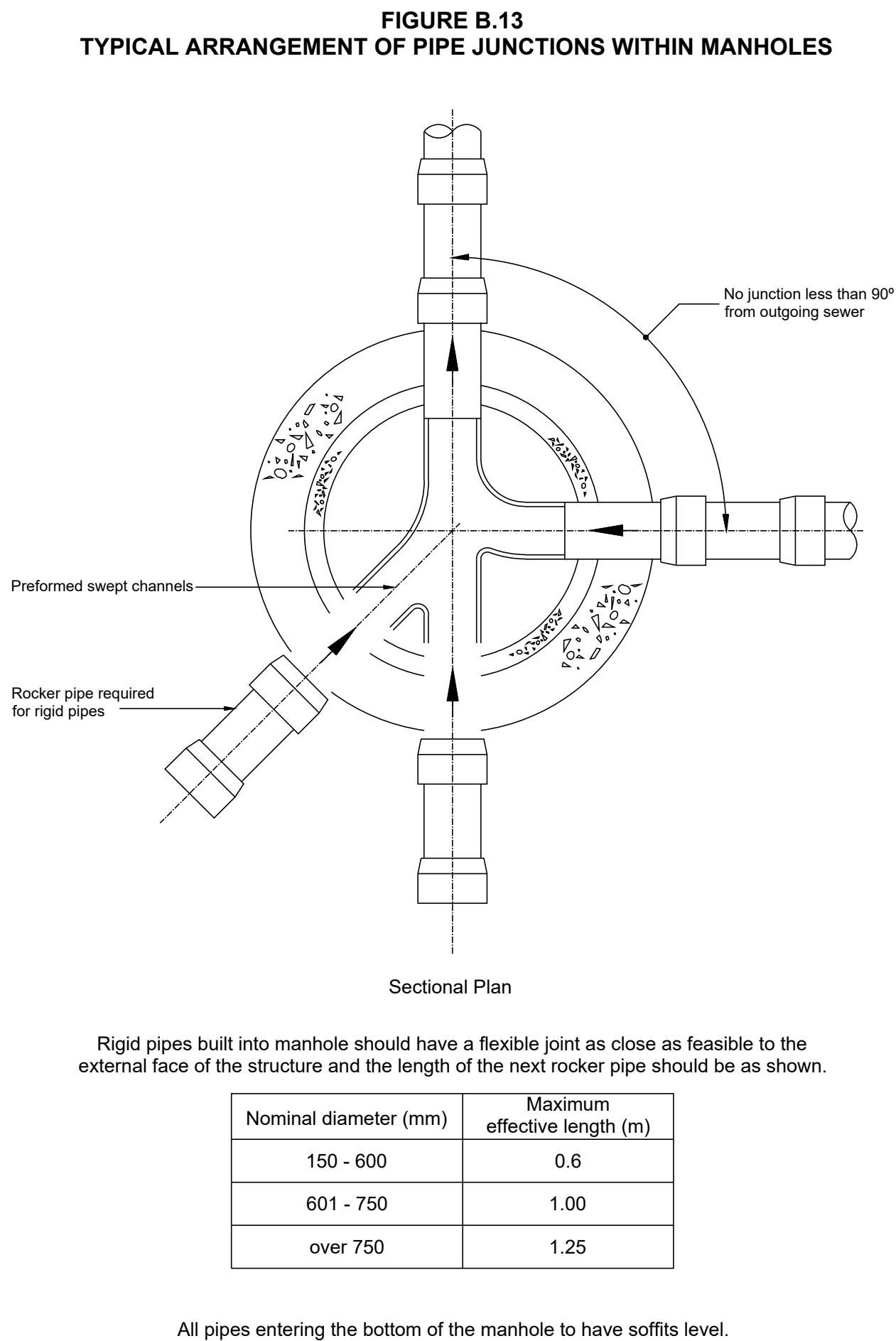
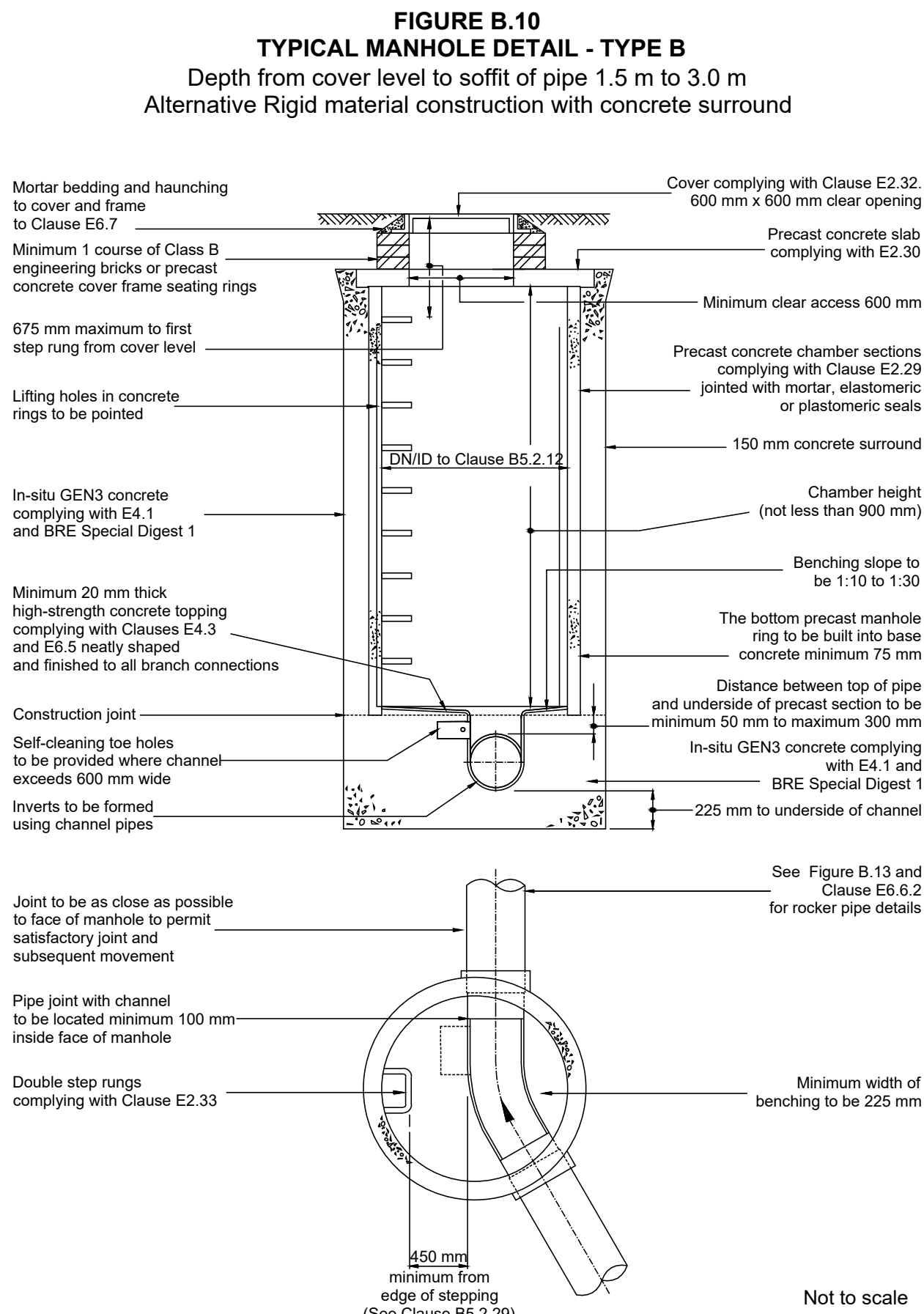
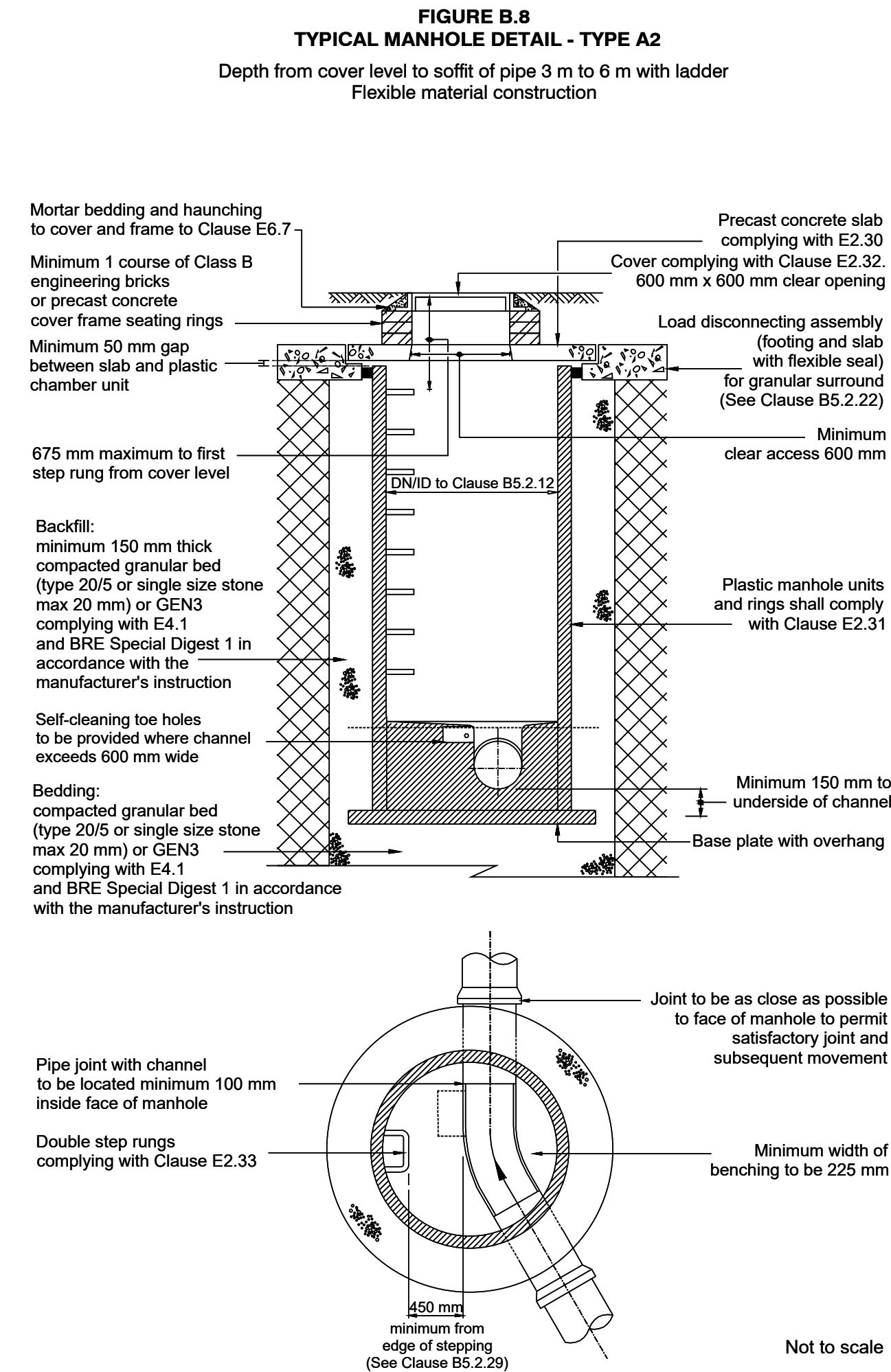
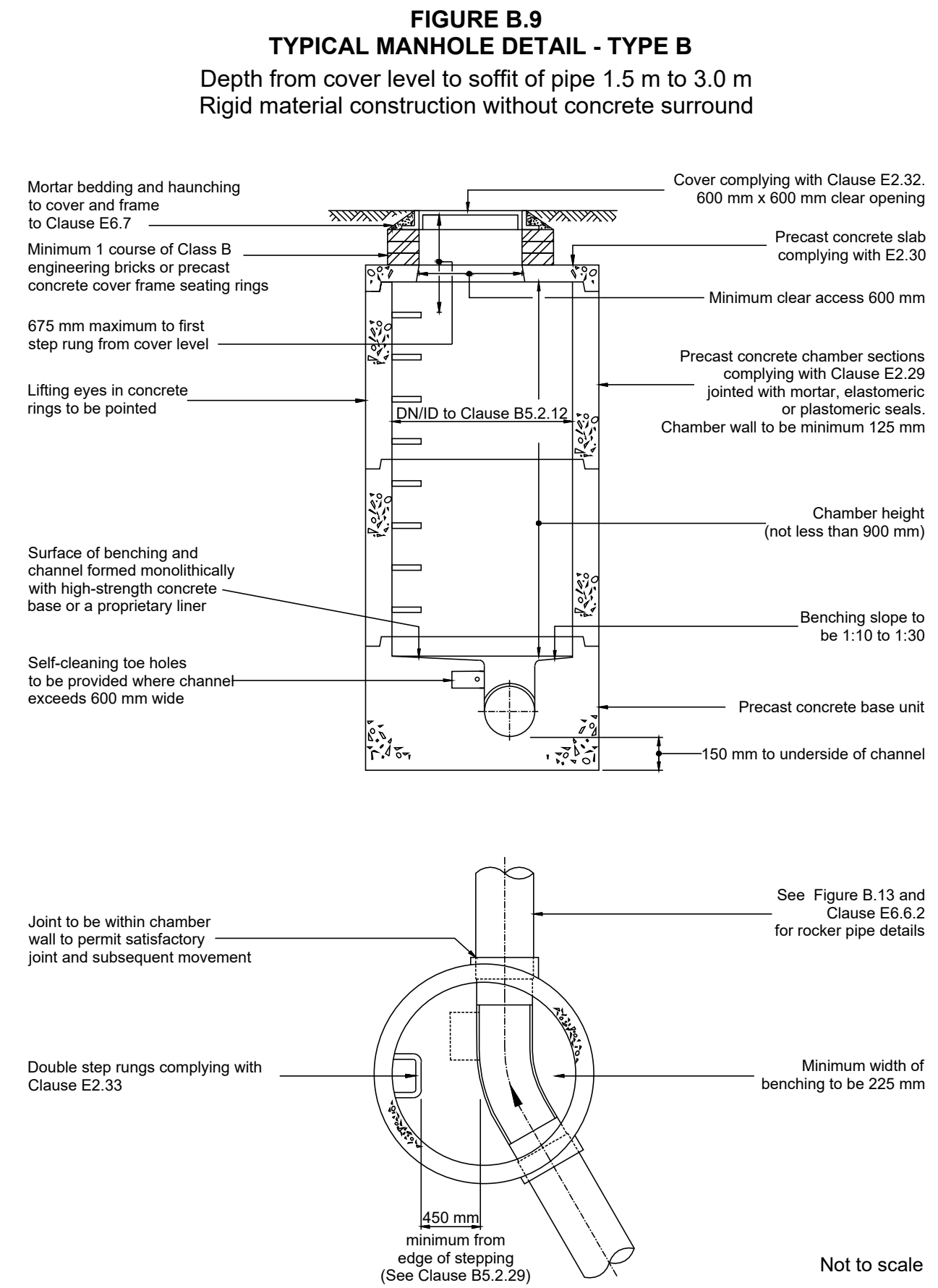




NOTES:

- D400 covers & frames with kitemark to be used on all adoptable manholes. All covers to be embossed with FW/SW as appropriate. 150mm deep, non rocking cover and frames to be used.
- Cover and Reducing slabs, short and chamber rings to be bedded with mortar, proprietary bitumen or resin mastic sealant. All lifting holes to be pointed.
- Ensure all slab openings and step irons, ladders are properly aligned. At the foot of each ladder or set of step rungs, a minimum of 450 mm landing area should be provided from the outer edge of the step or rung. This may consist of:
a) a single area adjacent to the foot of the ladder or steps; or
b) where the channel is no more than DN450, one area of at least 225 mm adjacent to the foot of the ladder or steps with the remainder on the other side of the channel.
- Chamber Diameters:

Pipe dia. (mm)	Dia. of chamber ring (mm)
Less than 375	1200
375-450	1500
500-700	1800
750-900	2100
1050-1200	2400
1350-1500	2700
- Above sizes are minimum and may need increasing for more than one incoming pipe to accommodate adequate benching.
- Concrete mix to be in accordance with the chemical analysis report for buried concrete for the site concerned. High strength topping to BS EN 12620 and PD 6682-1 to be brought up to a dense smooth face neatly shaped and finished to all branch connections. Benchings slope to be not flatter than 1 in 30.
- Rocker/Short pipe lengths:

Pipe dia. (mm)	Rocker pipe length (m)
150-600	0.6
601-750	1.00
over 750	1.25

Short length pipes to be similar length to rocker pipe. Manhole to large diameter sewers. Chambers with outgoing pipes greater than 600mm dia. to be constructed as per detail. Toe holes to be provided in benching of sewers greater than 400mm dia. for access to invert. Bricks to be solid type and either Class B engineering bricks complying with the relevant provisions of BS EN 771-1 or special bricks shall comply with the relevant provisions of BS 4729 with Sulphate-resisting Portland cement binder. Brickwork to be in English bond.

12. All pipes built into manhole invert should be installed with soffits level.

13. During construction all outfall manholes to be fitted with debris screen (mesh size 25mm), over the outgoing pipes

14. All Adoptable Drainage Works shall comply with the requirements of Design and Construction Guidance for foul and surface water sewers offered for adoption under the Code for adoption agreements for water and sewerage companies operating wholly or mainly in England ("The Code") Approved Version 2.0

TRENCH WIDTHS		
Pipe dia. (mm)	BC (mm)	BD (mm)
150	190	400
225	280	600
300	380	750
375	500	1050
450	580	1150
525	670	1200
600	750	1350
750	960	1560
900	1160	1760
1350	1620	2220
1500	1740	2340
1800	2090	2690

- All Adoptable Drainage pipes to be of spigot & socket type connection.
- During construction all outfall manholes to be fitted with debris screen (mesh size 25mm), over the outgoing pipes
- All Adoptable Drainage Works shall comply with the requirements of Design and Construction Guidance for foul and surface water sewers offered for adoption under the Code for adoption agreements for water and sewerage companies operating wholly or mainly in England ("The Code") Approved Version 2.0

REV	DESCRIPTION	DATE
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SCALE: NTS @ A1		
DATE: Oct 2025		
DRAWN: IDL		
TITLE: Adoptable Drainage Details Sheet 2		
PROJECT: London Road, St Ippolyts		
DRG. No: 1331-03-05		
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