

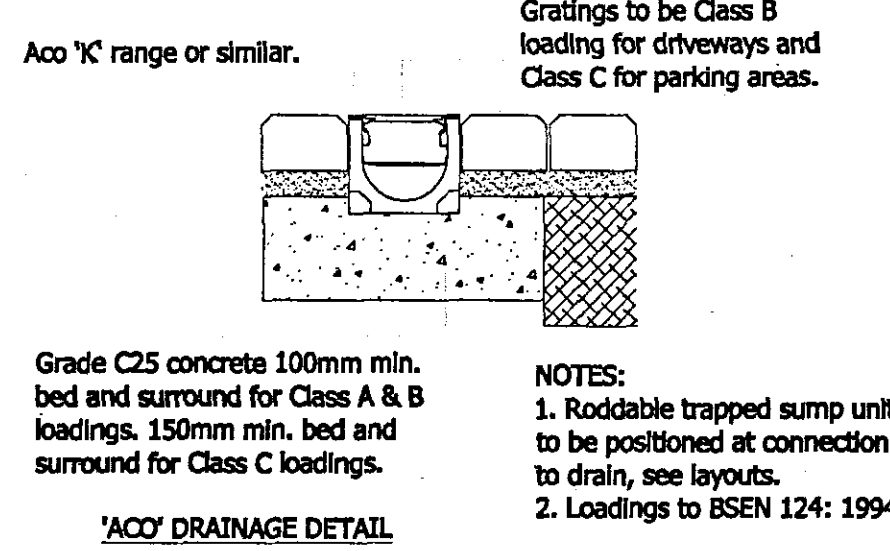
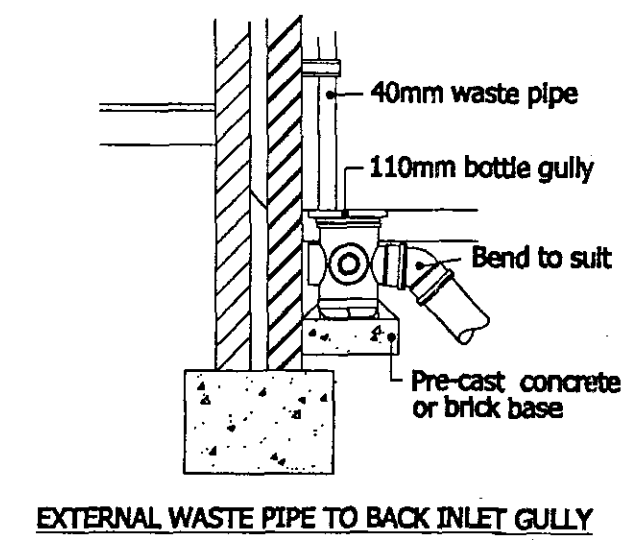
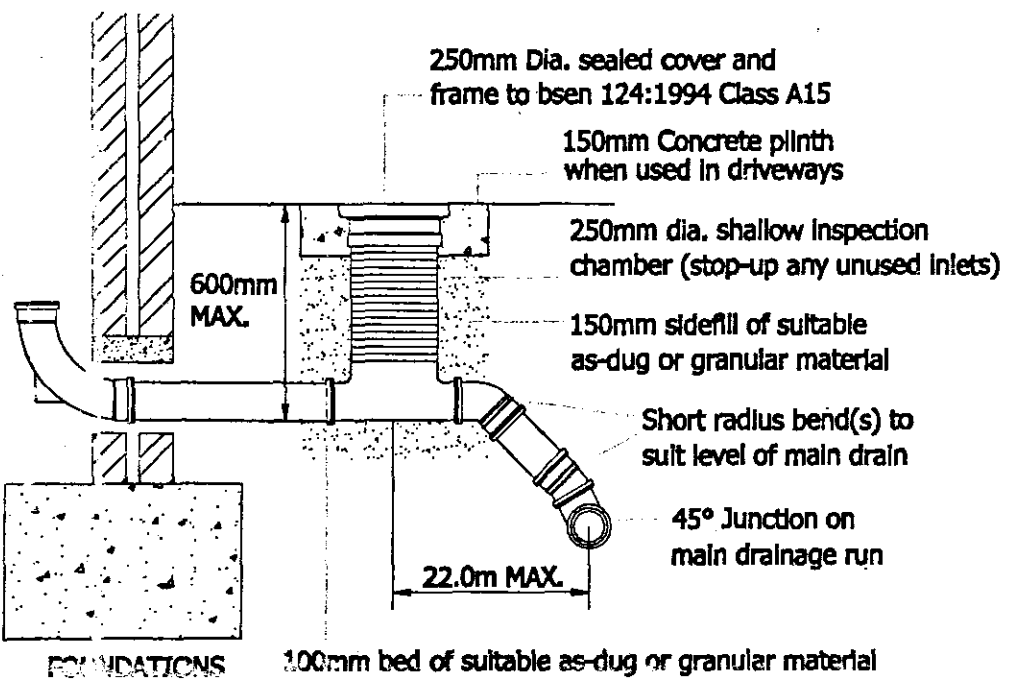
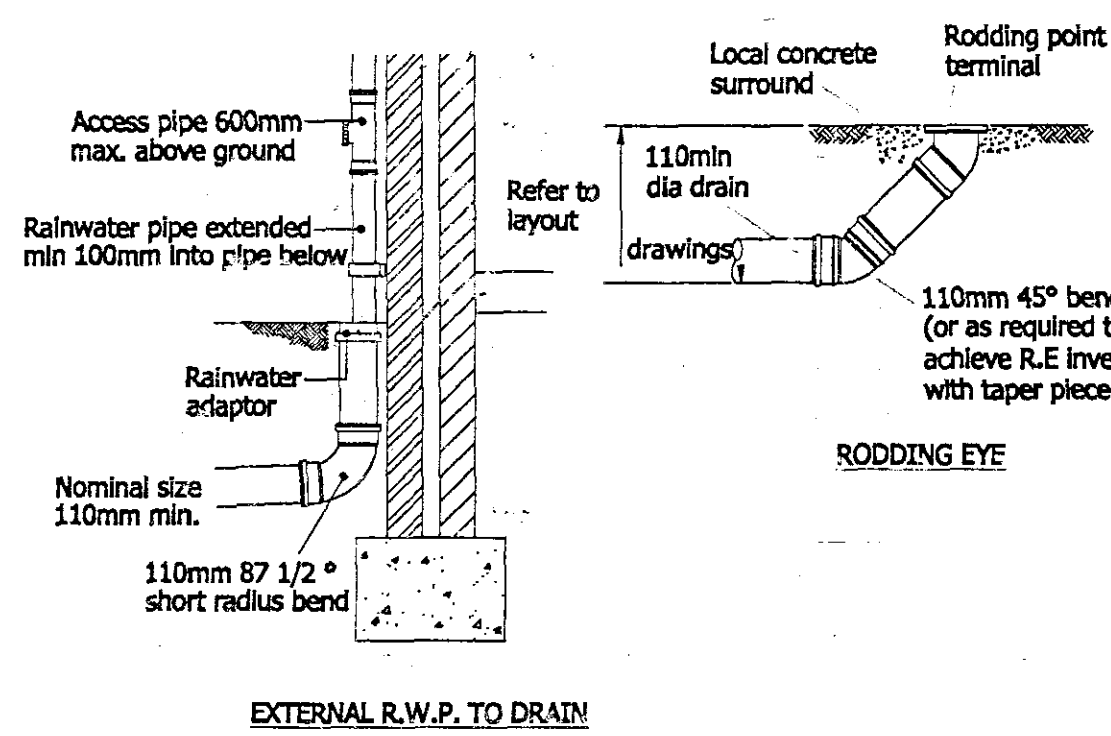


TABLE 11 MIN. DIMENSIONS FOR ACCESS FITTINGS AND INSPECTION CHAMBERS

TYPE	DEPTH TO INVERT FROM COVER LEVEL (m)	INTERNAL SIZES		COVER SIZES	
		RECTANGULAR LENGTH AND WIDTH	CIRCULAR DIAMETER	RECTANGULAR LENGTH AND WIDTH	CIRCULAR DIAMETER
Rodding Eye		As drain but min 100			Same size as pipework
Access Fittings	150 dia 150x100 large 225x100	0.7 or less, except where fitted in a chamber	150x100 225x100	150 225	Same size as access fitting
Inspection Chamber	Shallow 0.6 or less Deep 1.2 or less >1.2 but <3.0	225x100 450x150 450x450	190 450 450	190 Min 430x190 max 300x300	190 430 Access restricted to max 350

Notes:
(1) The clear opening may be reduced by 20mm in order to provide proper support for the cover and frame.
(2) Drains up to 150mm.
(3) A larger clear opening may be used in conjunction with a restricted access. The size is restricted for health and safety reasons to deter entry.

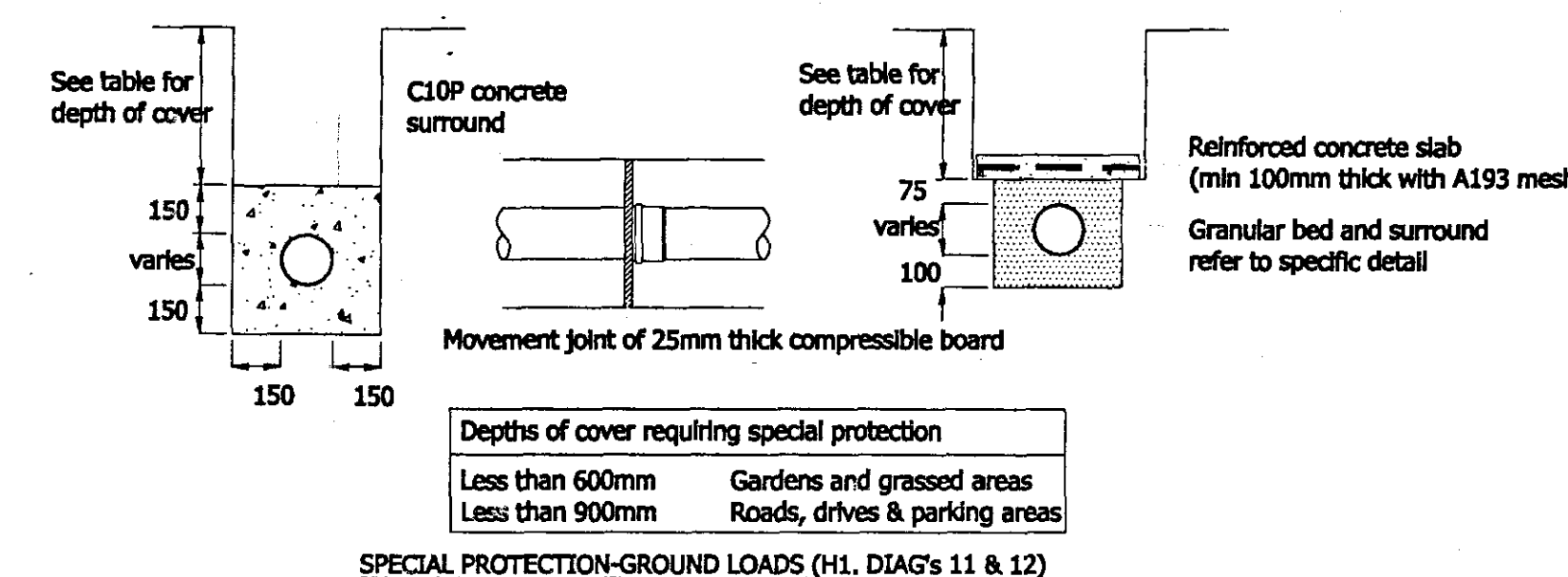
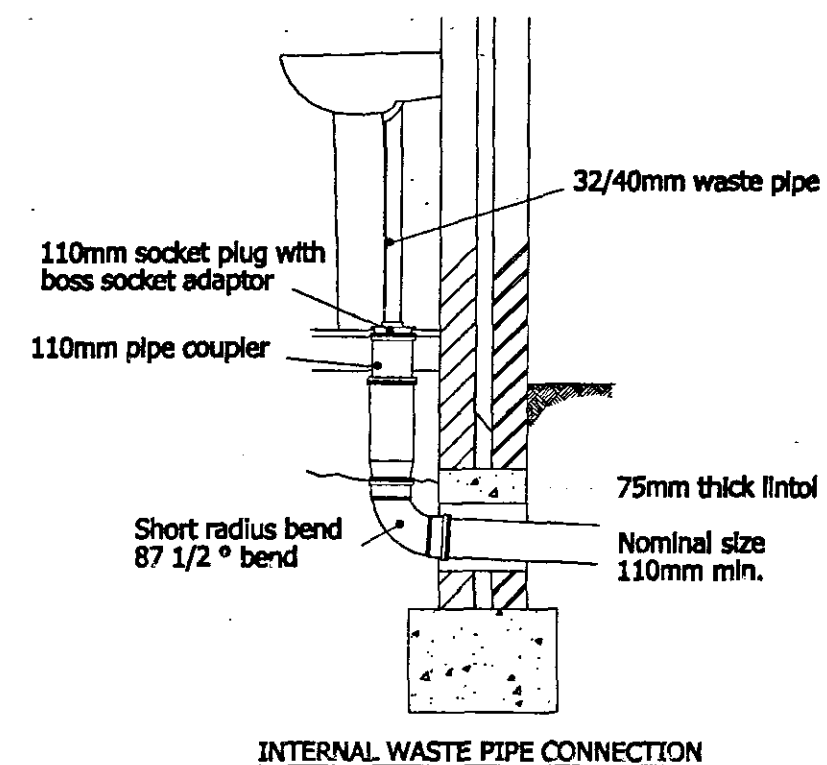
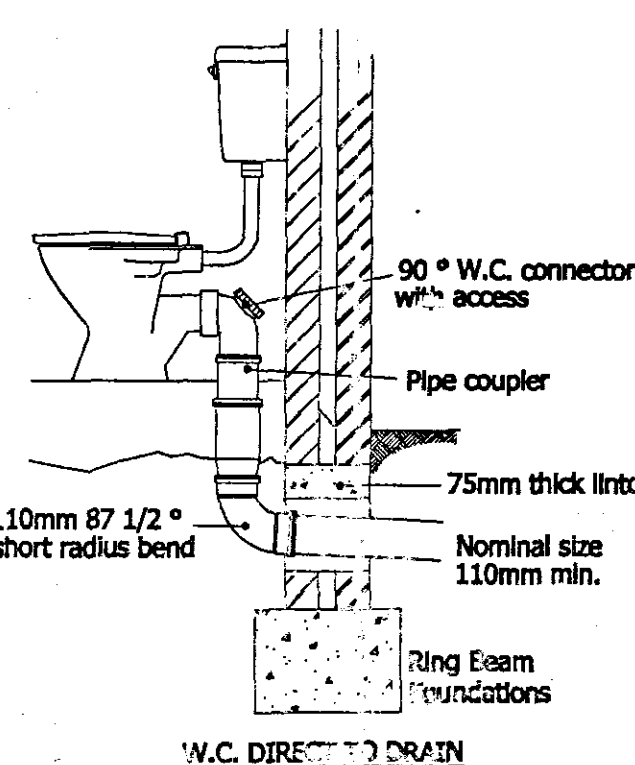
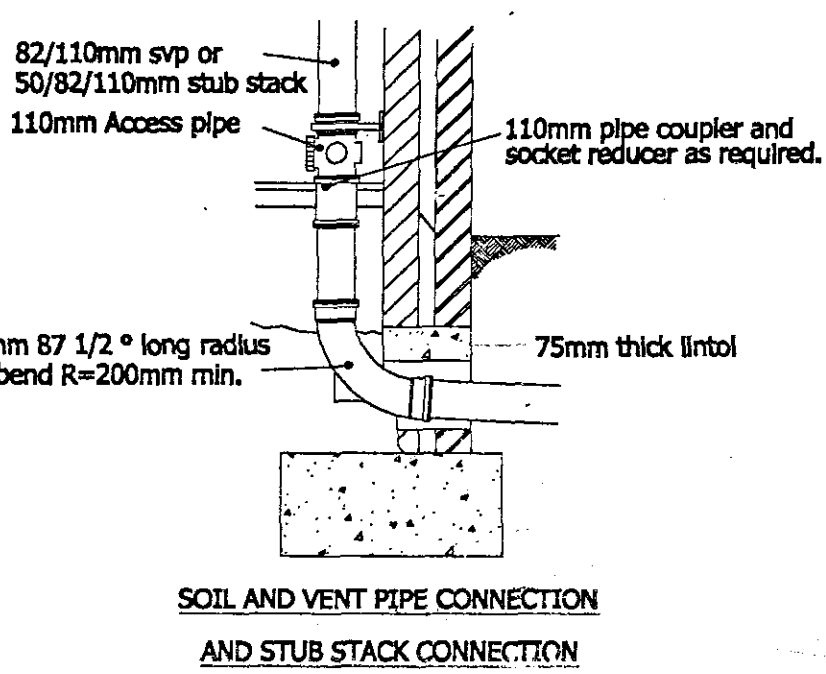
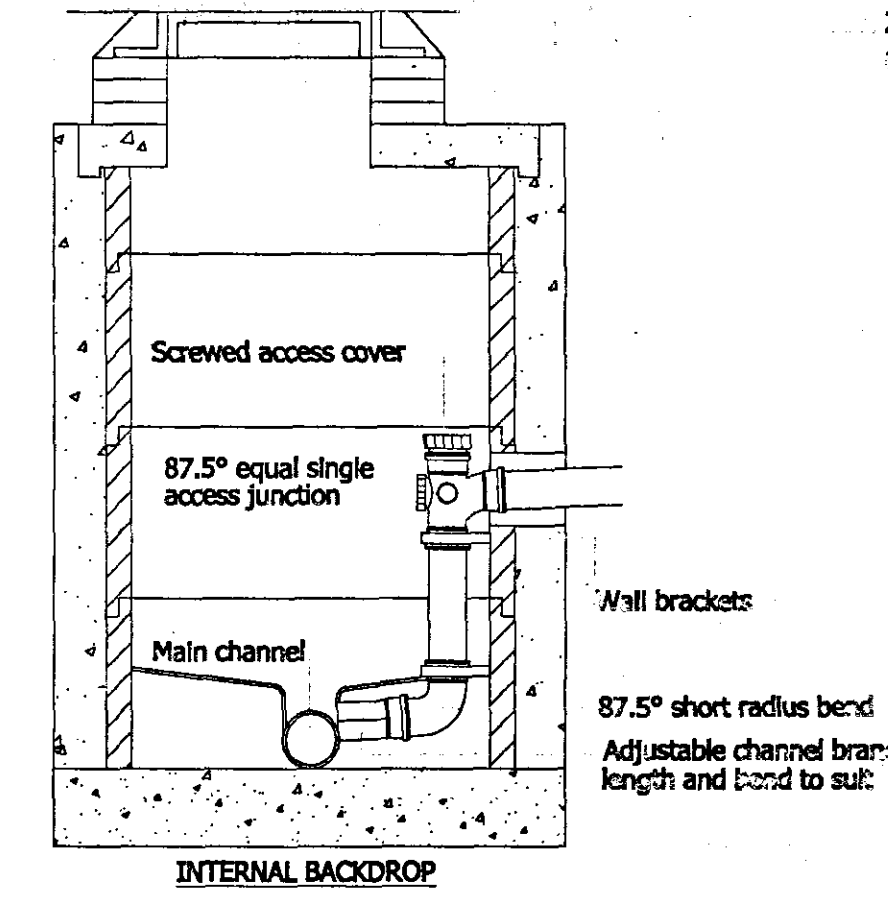
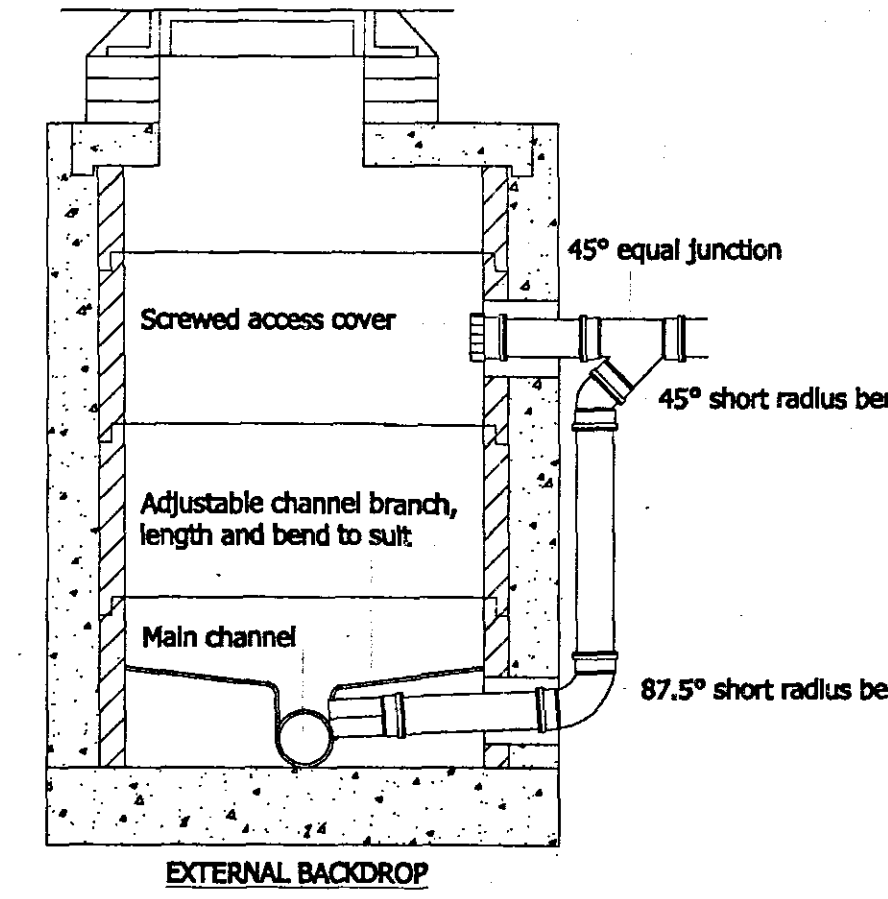
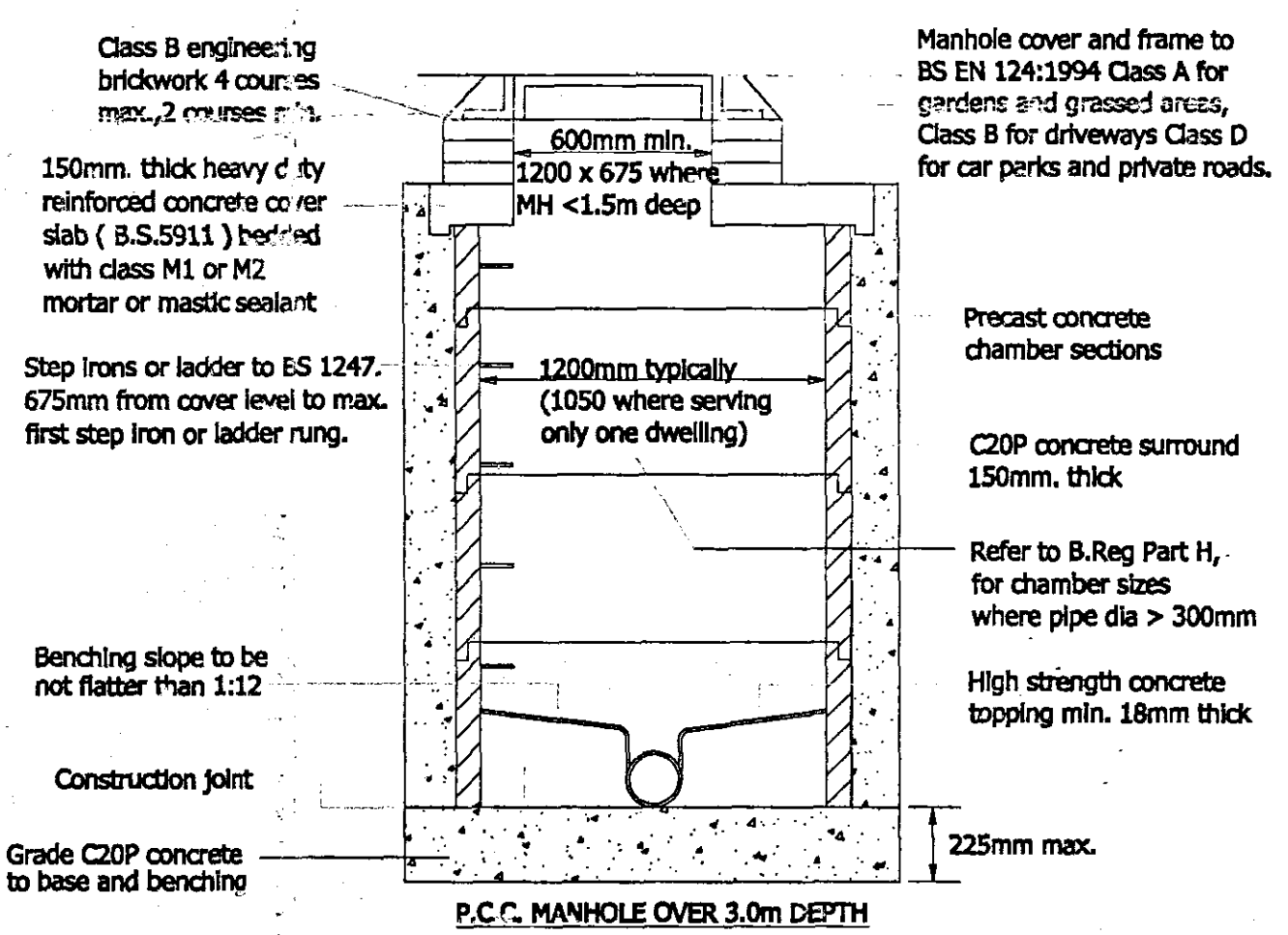
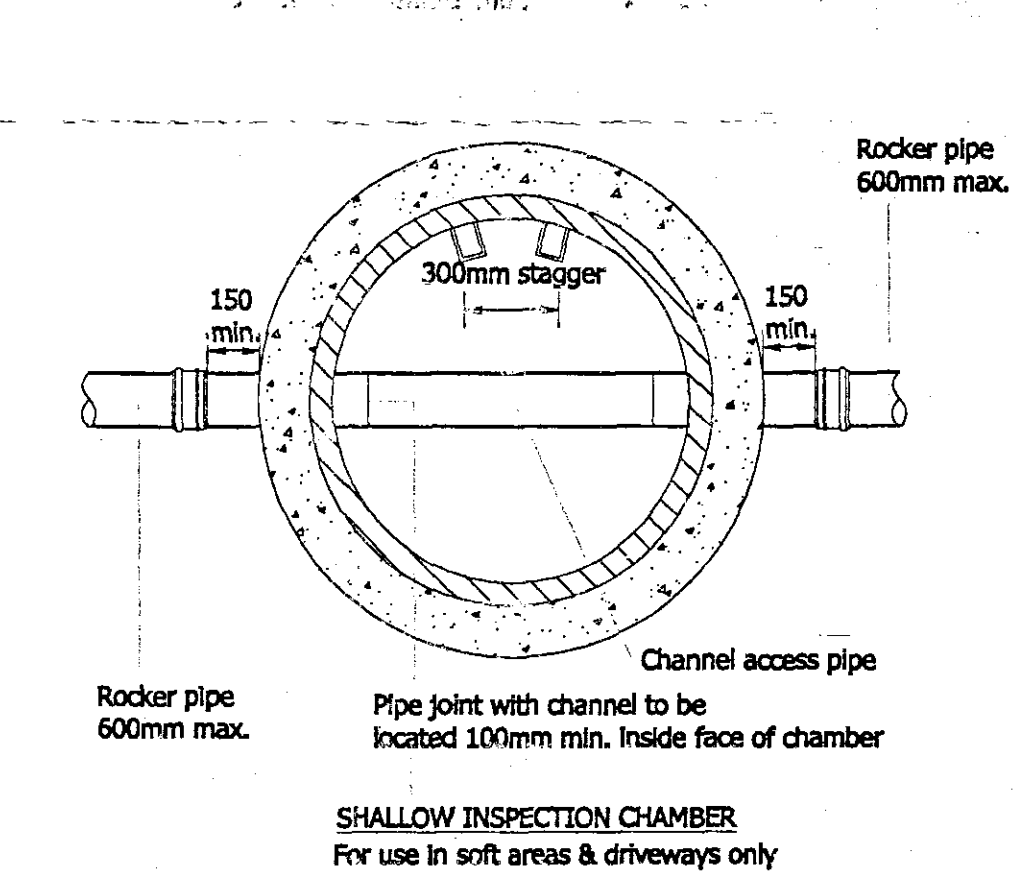


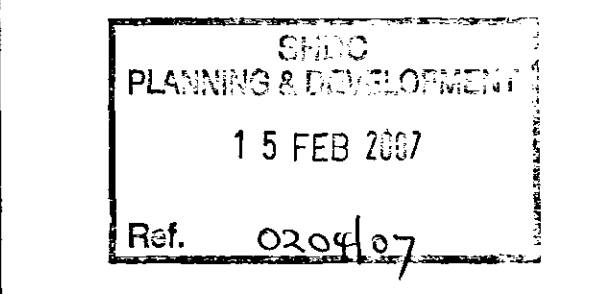
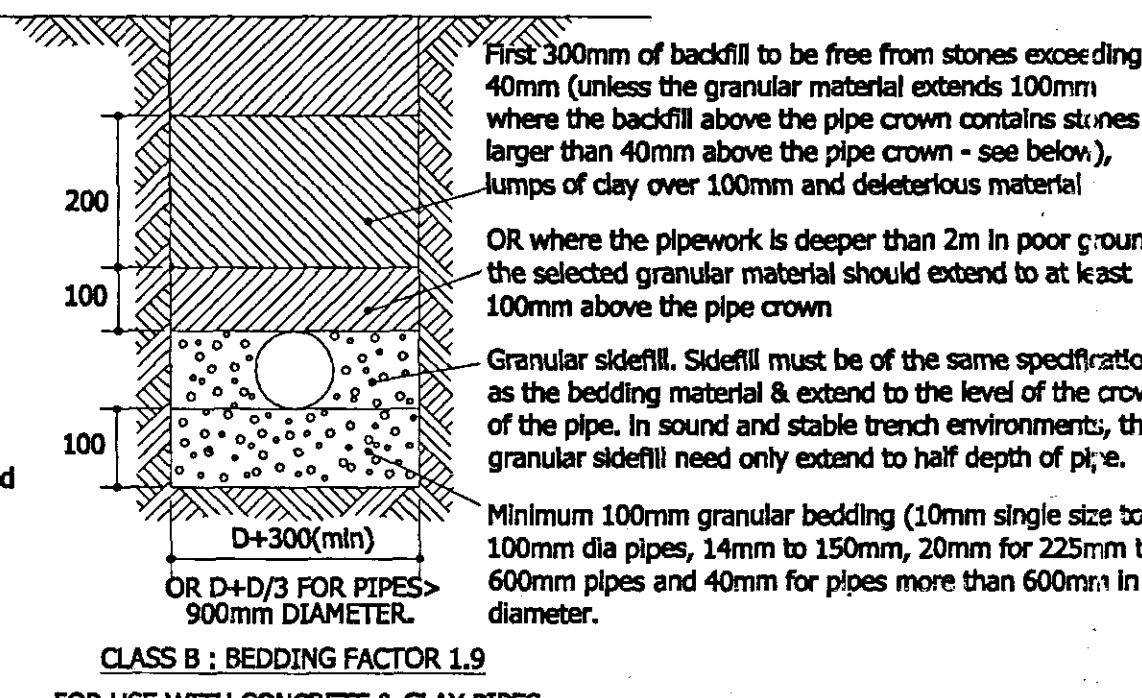
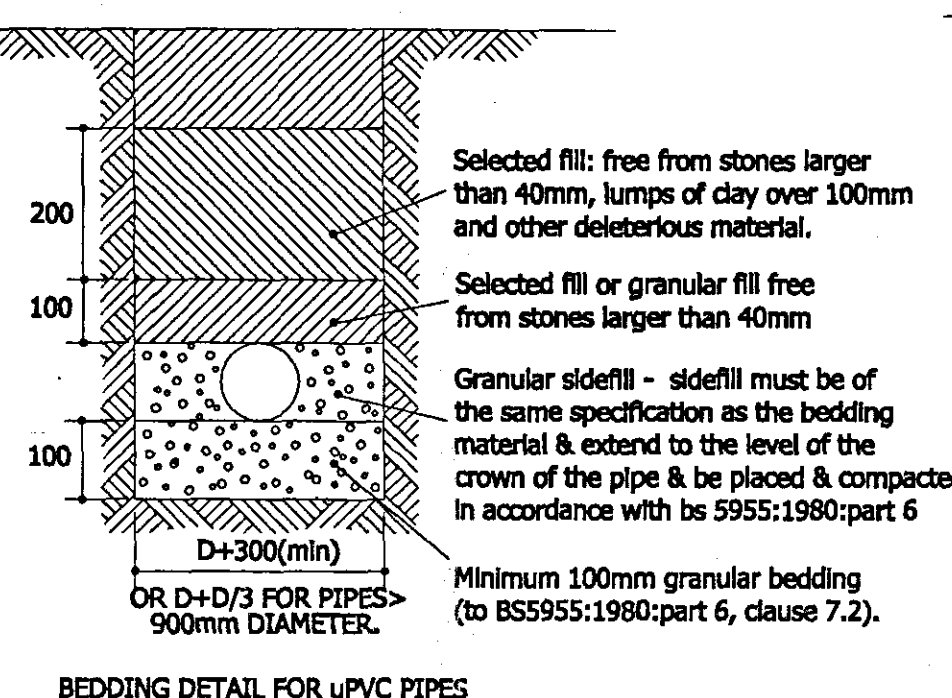
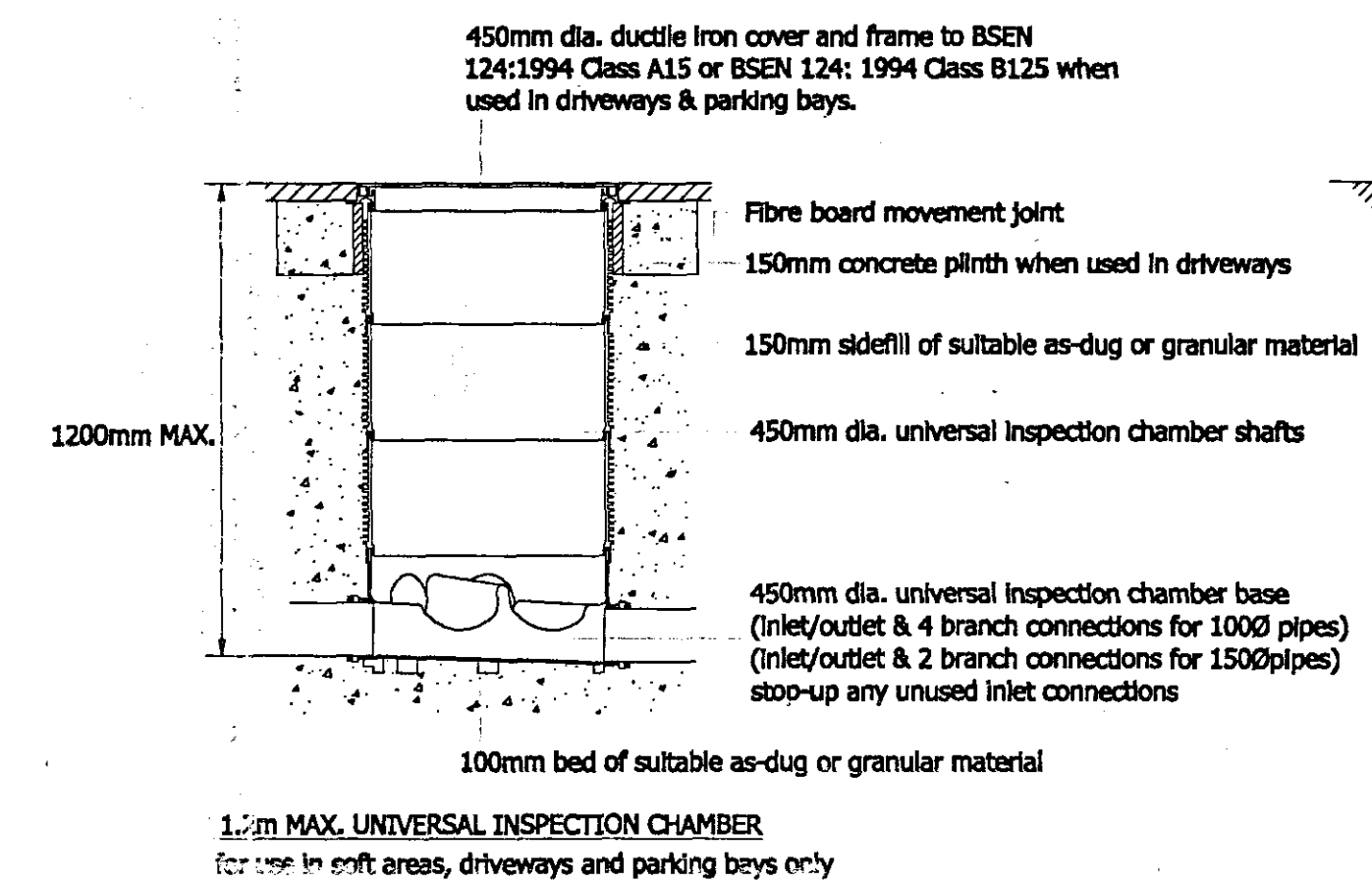
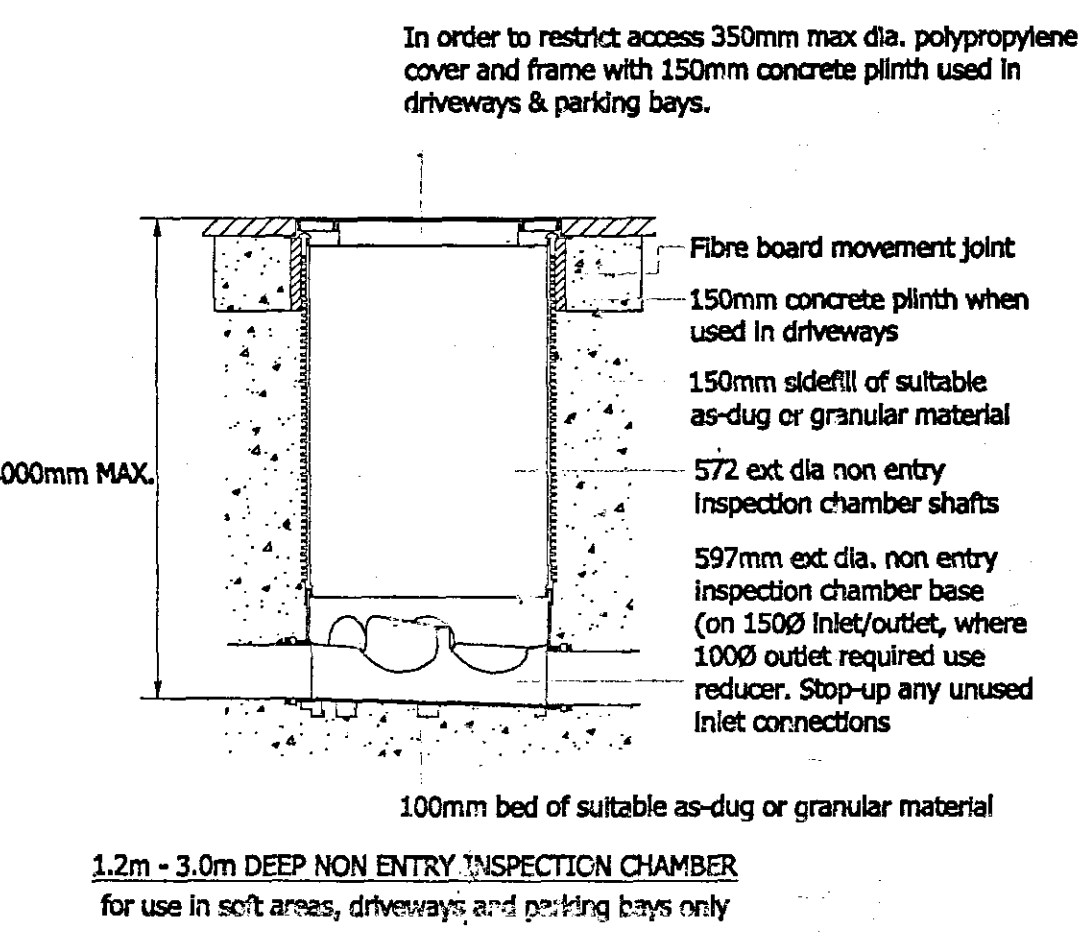
TABLE 12 MINIMUM DIMENSIONS FOR MANHOLES

TYPE	SIZE OF LARGEST PIPE (DN)	MIN. INTERNAL DIMENSIONS (1)		MIN. CLEAR OPENING SIZE (3)	
		RECTANGULAR LENGTH AND WIDTH	CIRCULAR DIAMETER	RECTANGULAR LENGTH AND WIDTH	CIRCULAR DIAMETER
MANHOLE	<1.5m deep to soffit	<= 150 225 300 375-450 >450	750 x 675 (7) 1200 x 675 1200 x 750 1800 x (DN+450) The larger of 1800 or (DN+775)	1000 (7) 1200 1200 1200 The larger of 1800 or (DN+450)	750 x 675 (2) 1200 x 675 (2) 1200 600 x 600 600
MANHOLE SHAFT (4)	>1.5m deep to soffit	Steps (5) Ladder (5) Winch (5)	1050 x 800 1200 x 800 900 x 800	1050 1200 900	600 x 600 600 600

Notes:
(1) Larger sizes may be required for manholes on bends or where there are junctions.
(2) May be reduced to 600 by 600 where required by highway loading considerations, subject to a safe system of work being specified.
(3) Not applicable due to working space needed.
(4) Minimum height of chamber or shafted manhole 2m from benching to underside of reducing slab.
(5) Min clear space between ladder or steps and the opposite face of the shaft should be approximately 900mm.
(6) Winch only - no steps of ladders, permanent or removable.
(7) The minimum size of any manhole serving a sewer (i.e. any drain serving more than one property) should be 1200mm x 675mm rectangular or 1200mm diameter.



1. All private drainage works to be constructed in accordance with the latest edition of the Building Regulations Part H (Drainage & Waste Disposal) and to BS EN 124: 1994 (Building Drainage).
2. All pipes running through walls to have at least 50mm clearance all round and the opening masked with rigid sheet material.



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Job Title
Seas End Road
Mouton Seas End
Spalding
Lincs.

DETERMINED PLAN

Drawing Title
Construction Details
Sheet 3 - PRIVATE DRAINAGE

Date Sept '06 **Scale** NTS **Drawn** TS

Drg.No. 1439-06-16 **Rev.**
8383-302