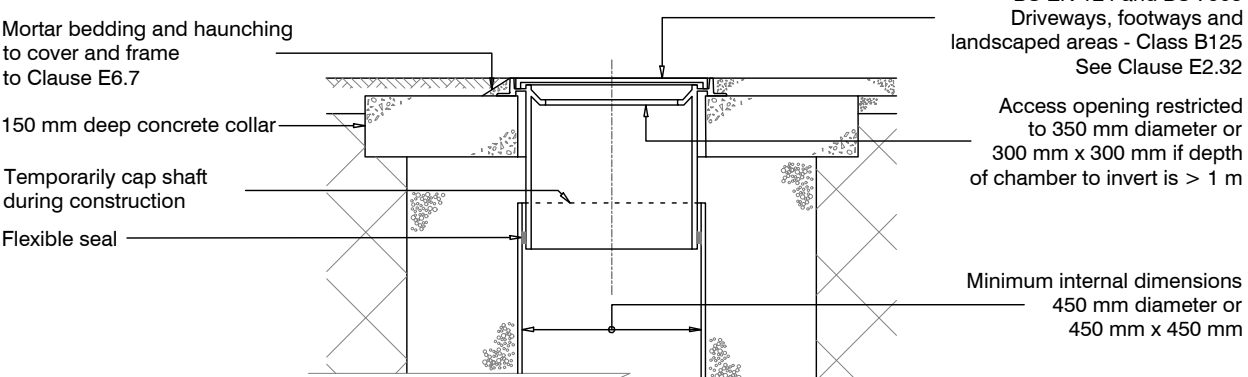


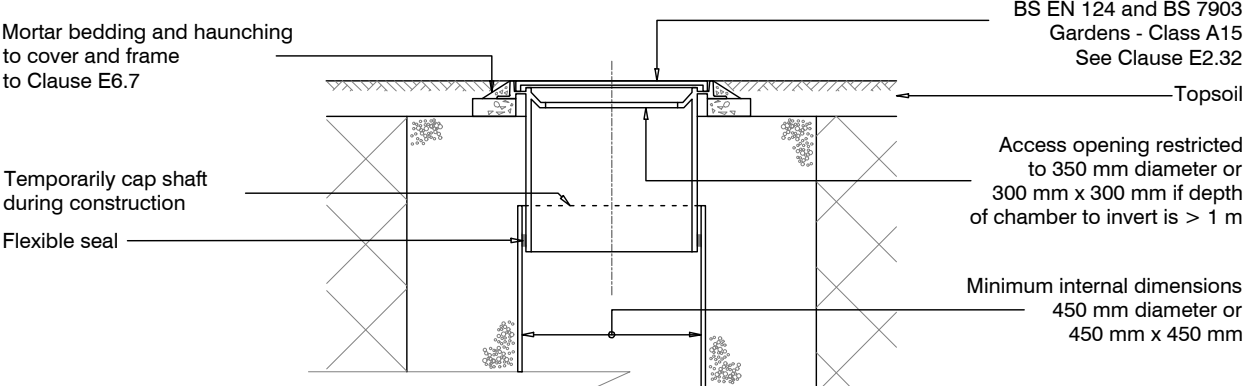
FIGURE B.17
ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING
AND LANDSCAPED AREAS - TYPE 3

Plastic chambers and rings shall comply with BS EN 13598-1 and
BS EN 13598-2 or have equivalent independent approval

Sited in domestic driveways or footways



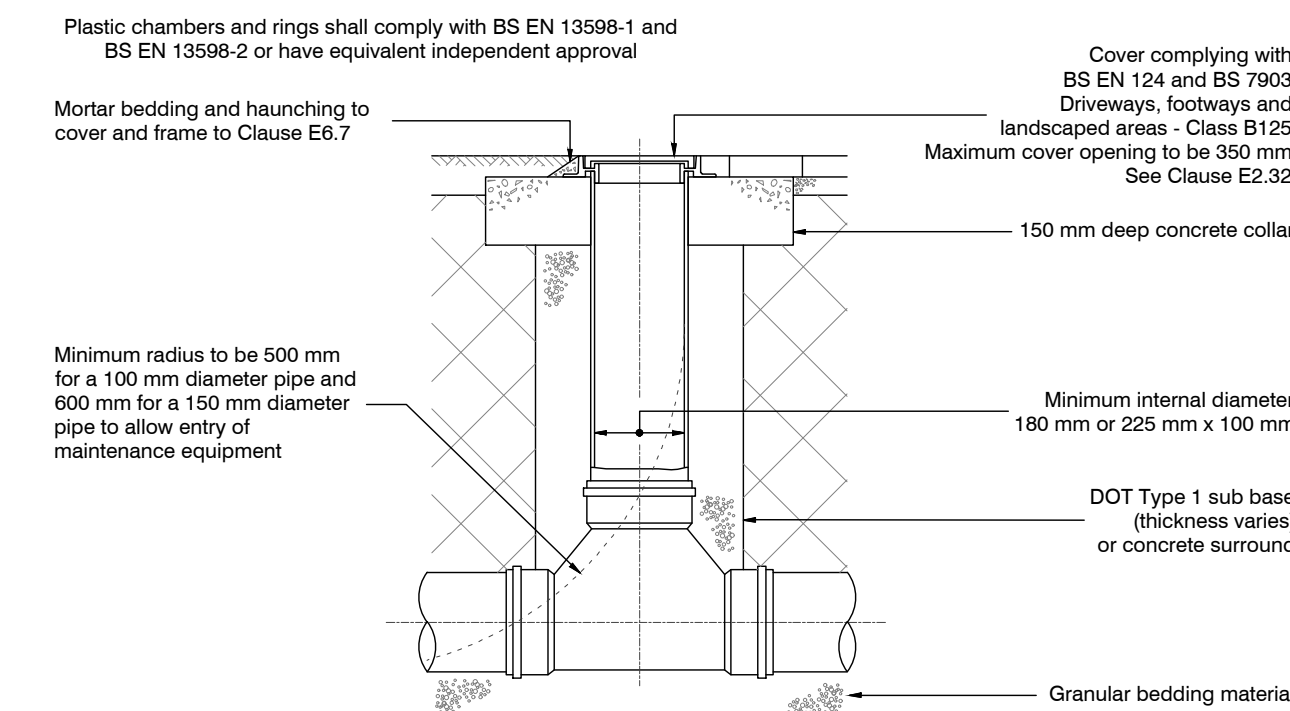
Sited in domestic gardens



Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

FIGURE B.22
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Alternative construction detail)

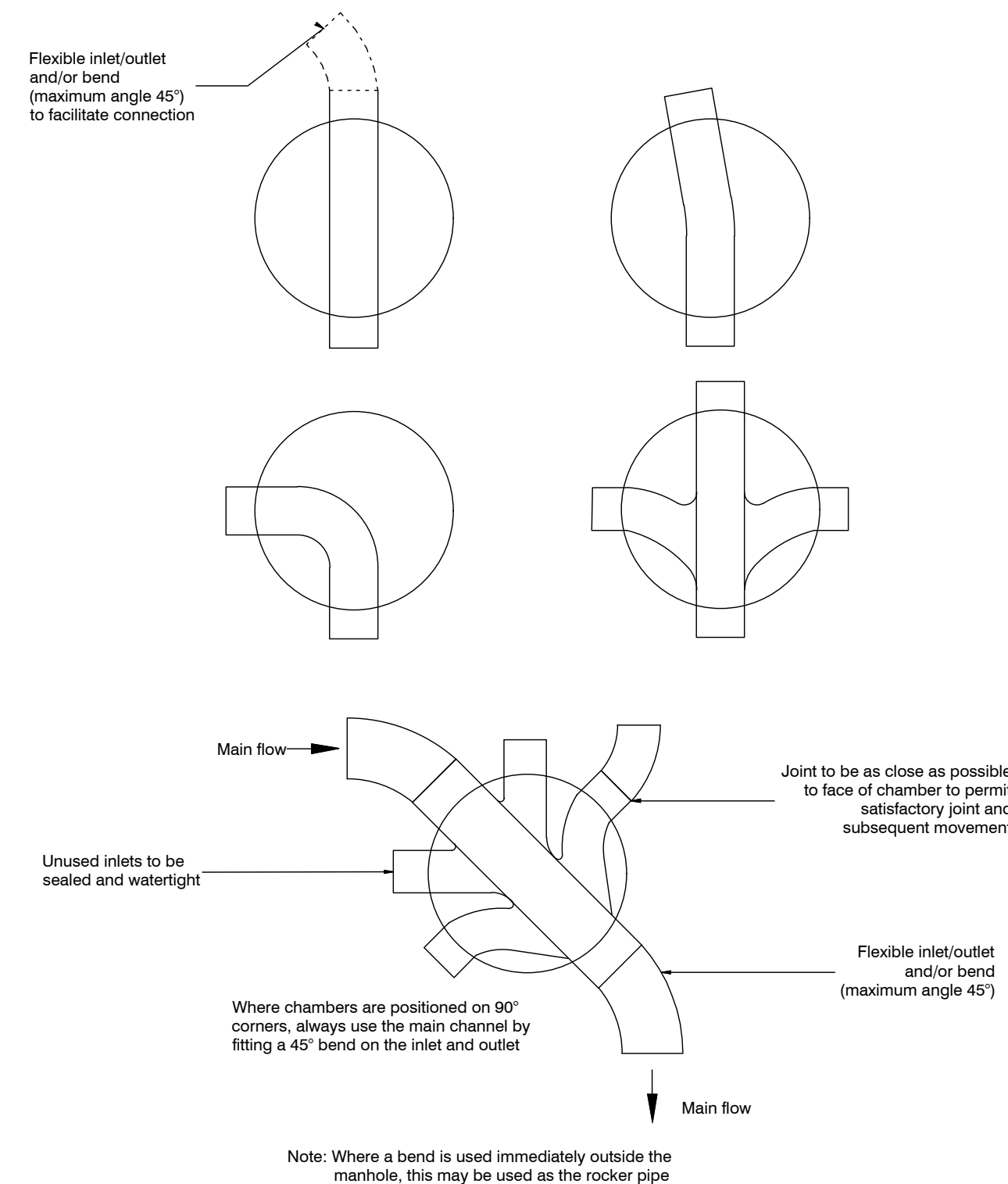
Maximum depth from cover level to soffit of pipe 2 m, non-entry



Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale

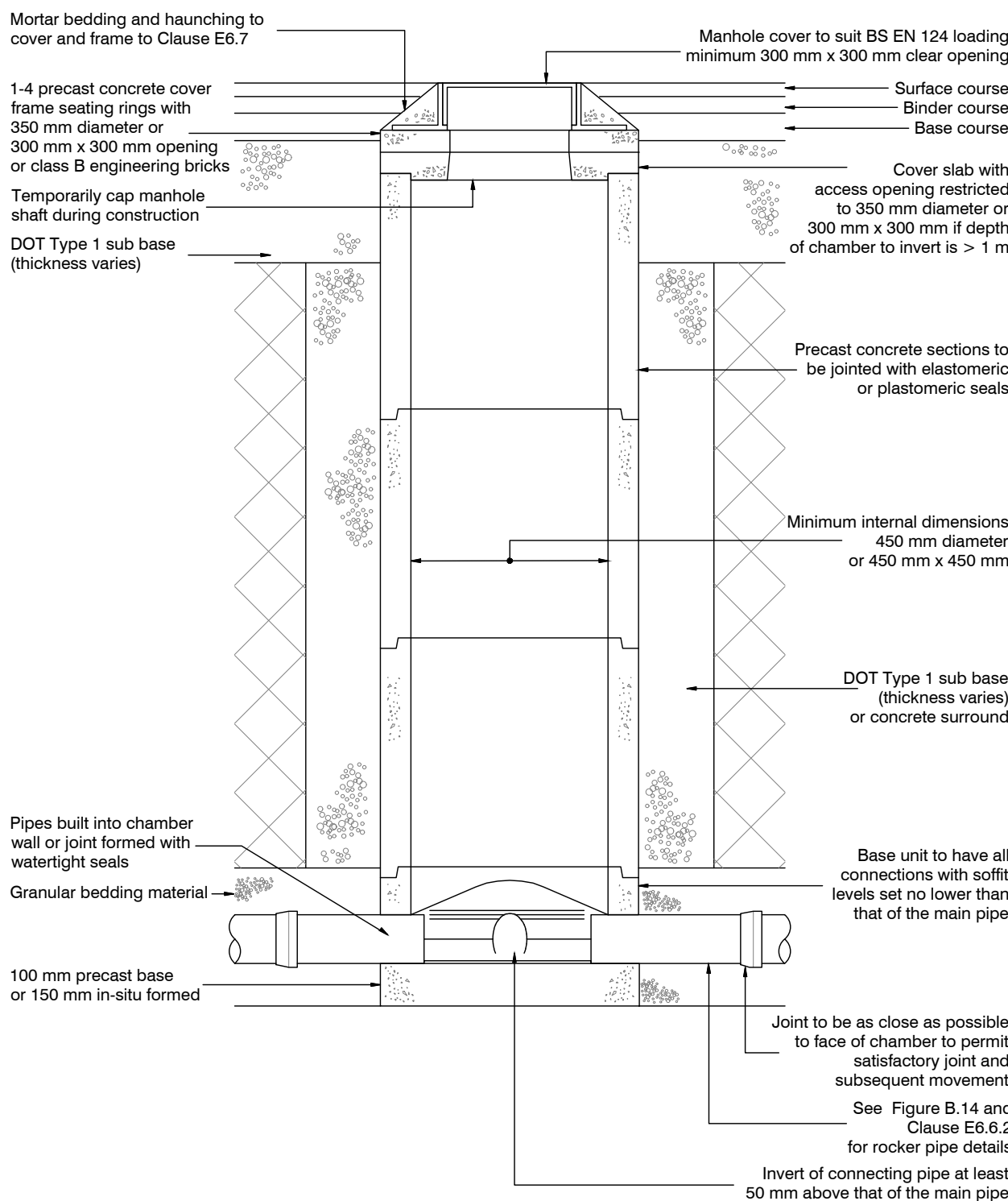
FIGURE B.20
ALTERNATIVE BASE LAYOUTS FOR TYPE 3 CHAMBERS



Note: Where a bend is used immediately outside the
manhole, this may be used as the rocker pipe

FIGURE B.18
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)

Maximum depth from cover level to soffit of pipe
in areas subject to vehicle loading 3 m, non-entry

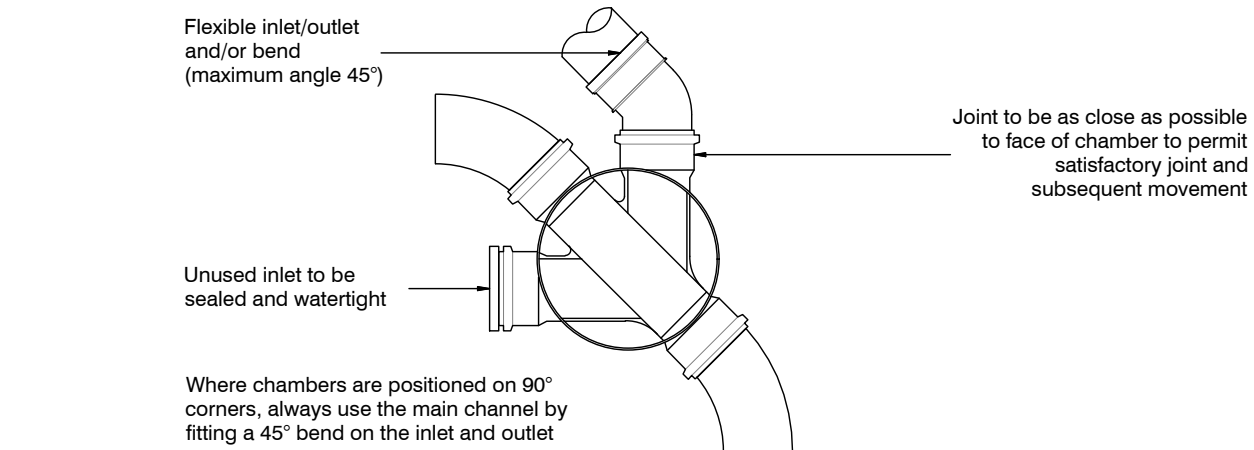
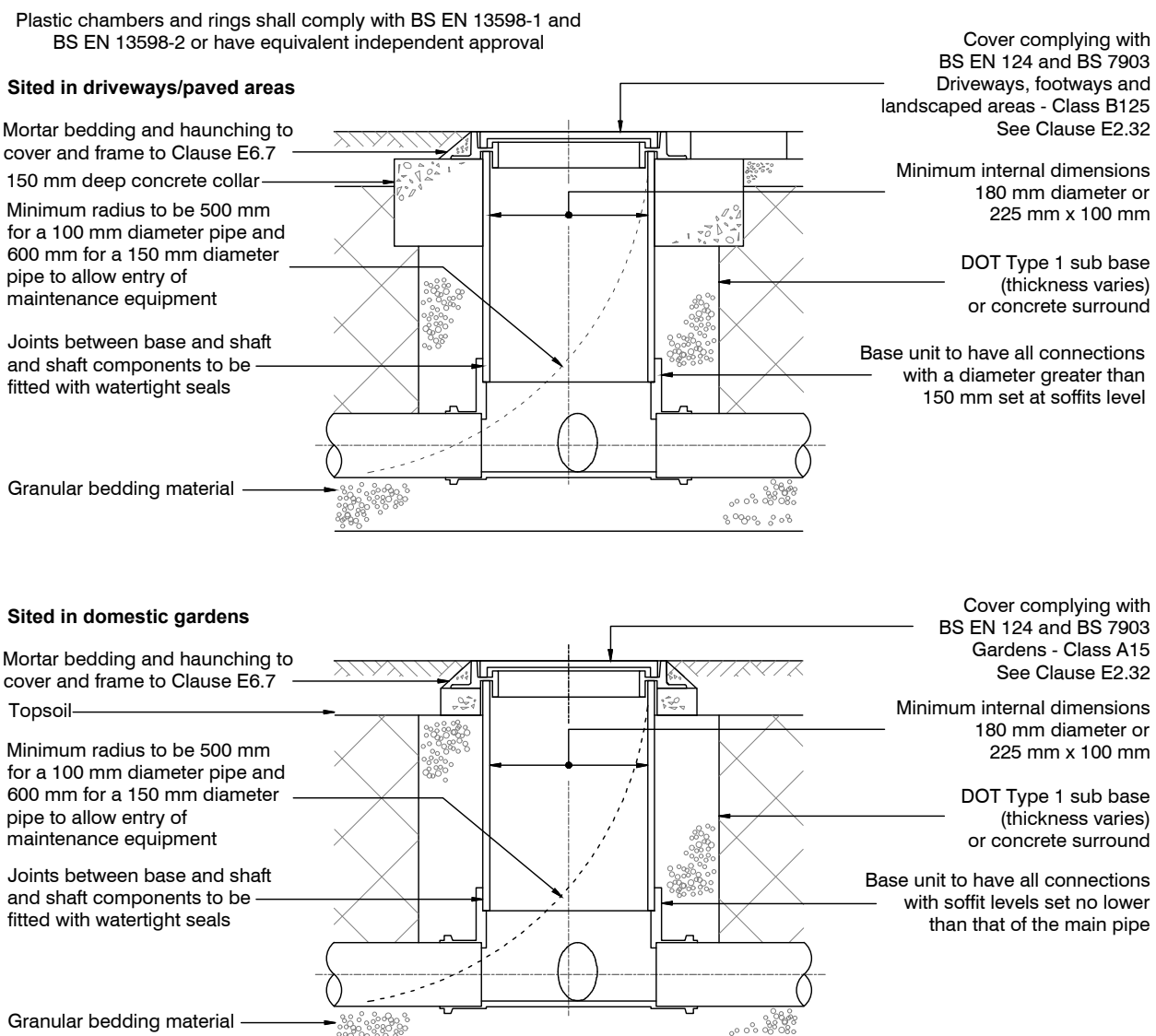


Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale

FIGURE B.21
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Flexible material detail)

Maximum depth from cover level to soffit of pipe 2 m, non-entry

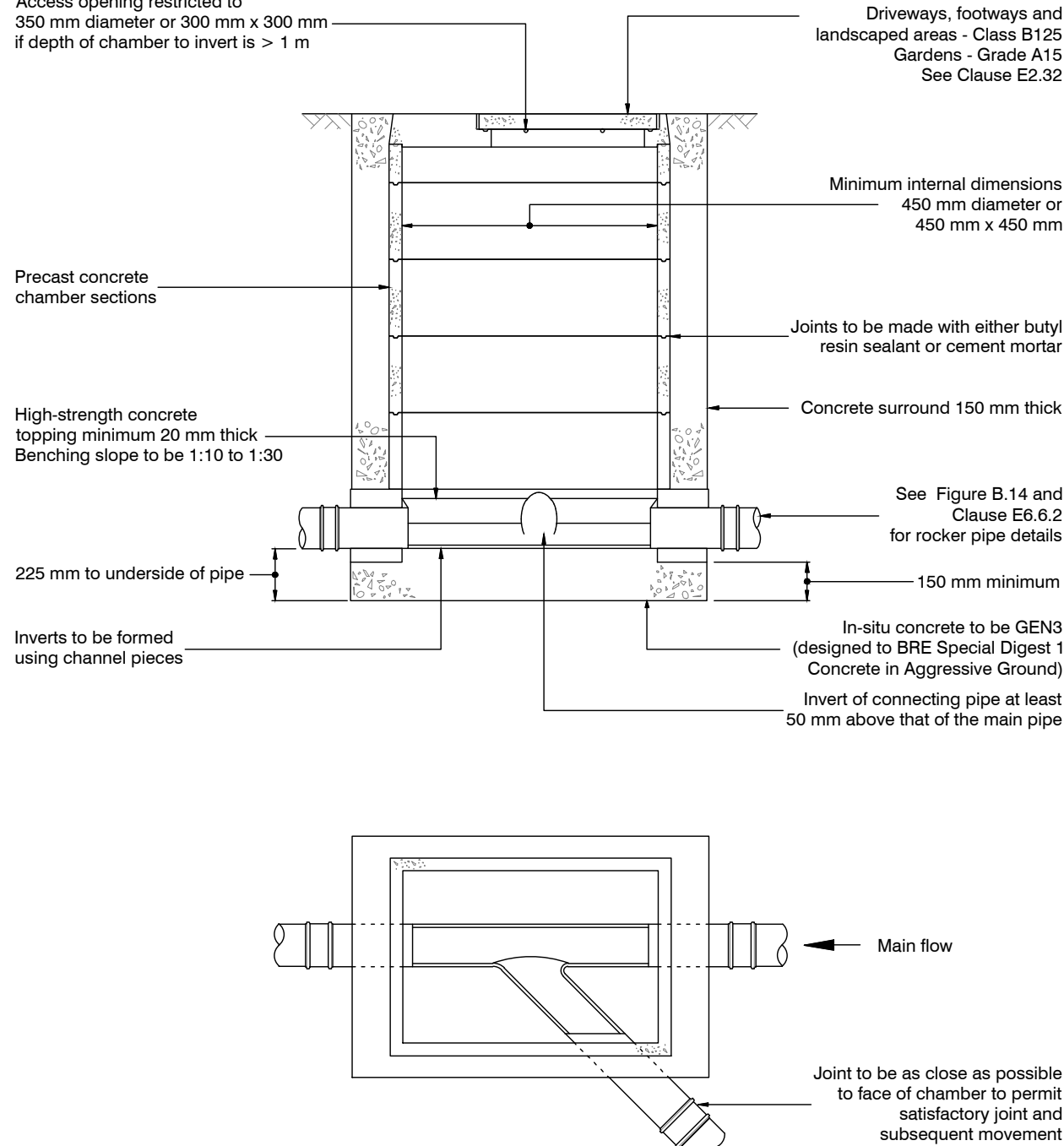


Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale

FIGURE B.19
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)

Alternative maximum depth from cover level to soffit of pipe 3 m for areas not subject
to vehicle loading or areas subject to light vehicle loading, non-entry

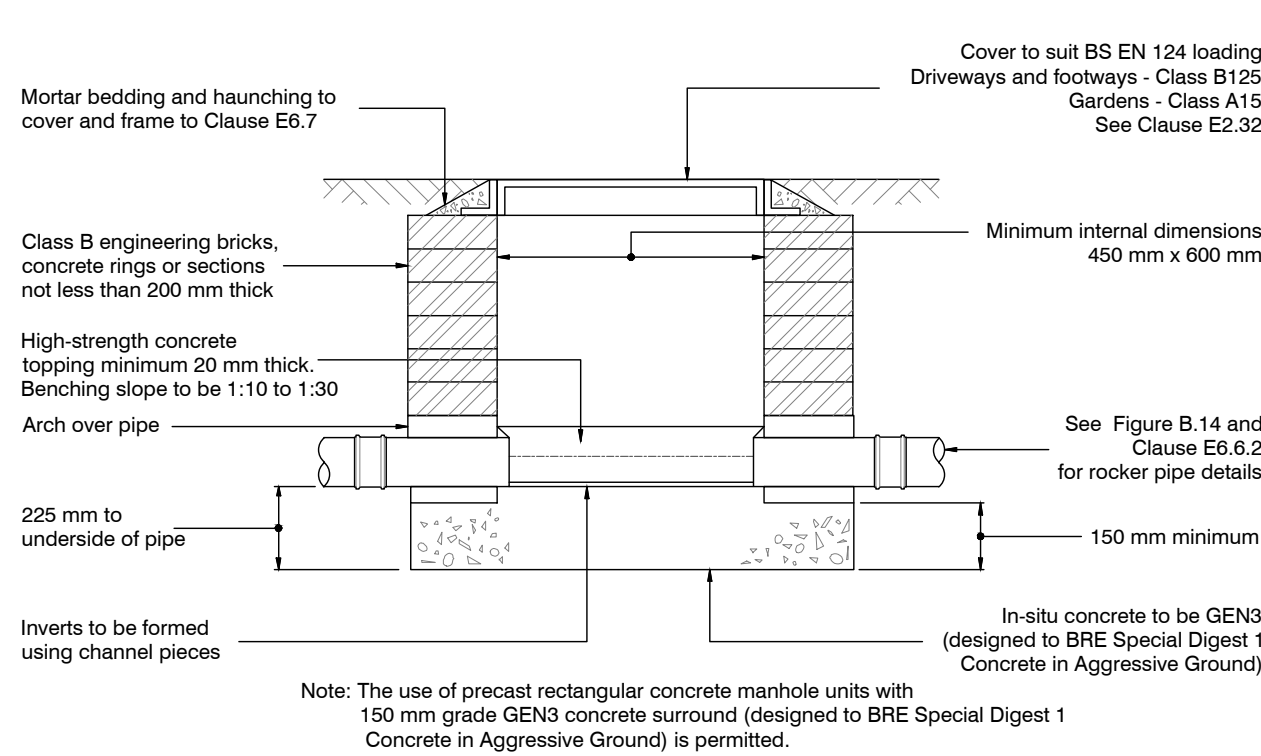


Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

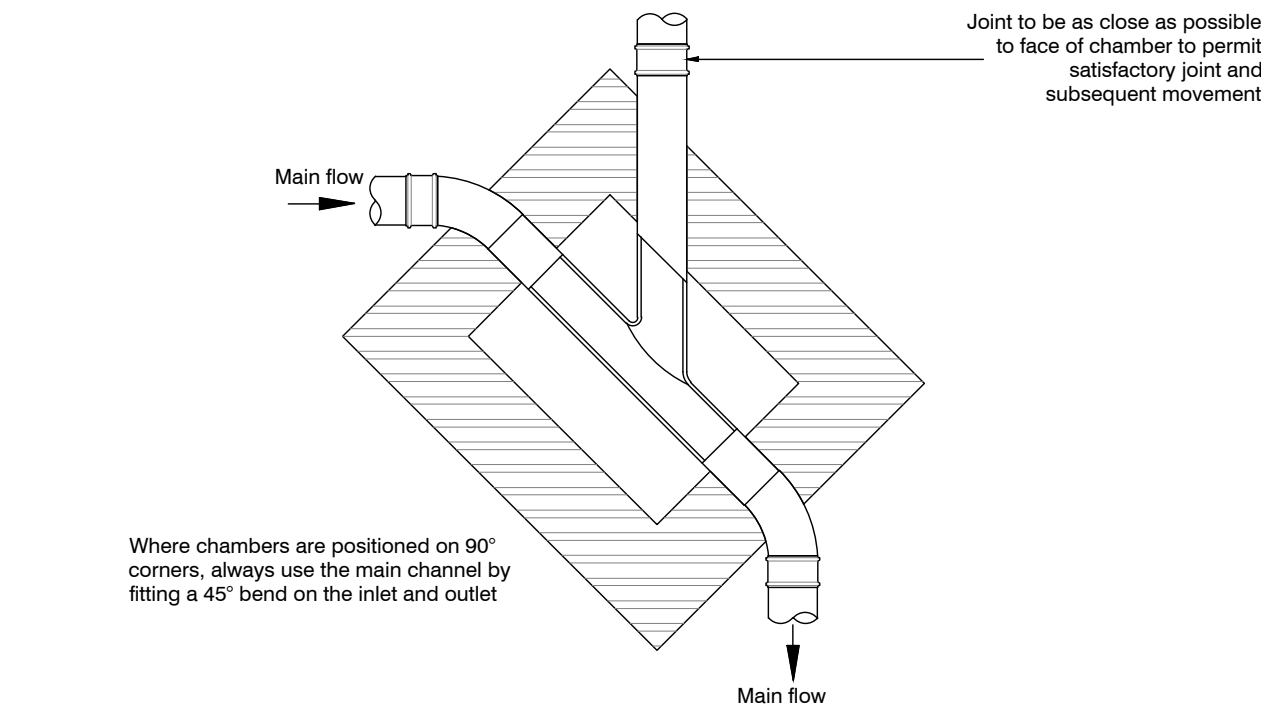
Not to scale

FIGURE B.23
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Rigid material detail)

Maximum depth from cover level to soffit of pipe 1 m, non-entry



Note: The use of precast rectangular concrete manhole units with
150 mm grade GEN3 concrete surround (designed to BRE Special Digest 1
Concrete in Aggressive Ground) is permitted.



Note: Where the access chamber is in the highway the
Highway Authority can have specific requirements

Not to scale

FIGURE B.24
CONNECTIONS TO SEWER

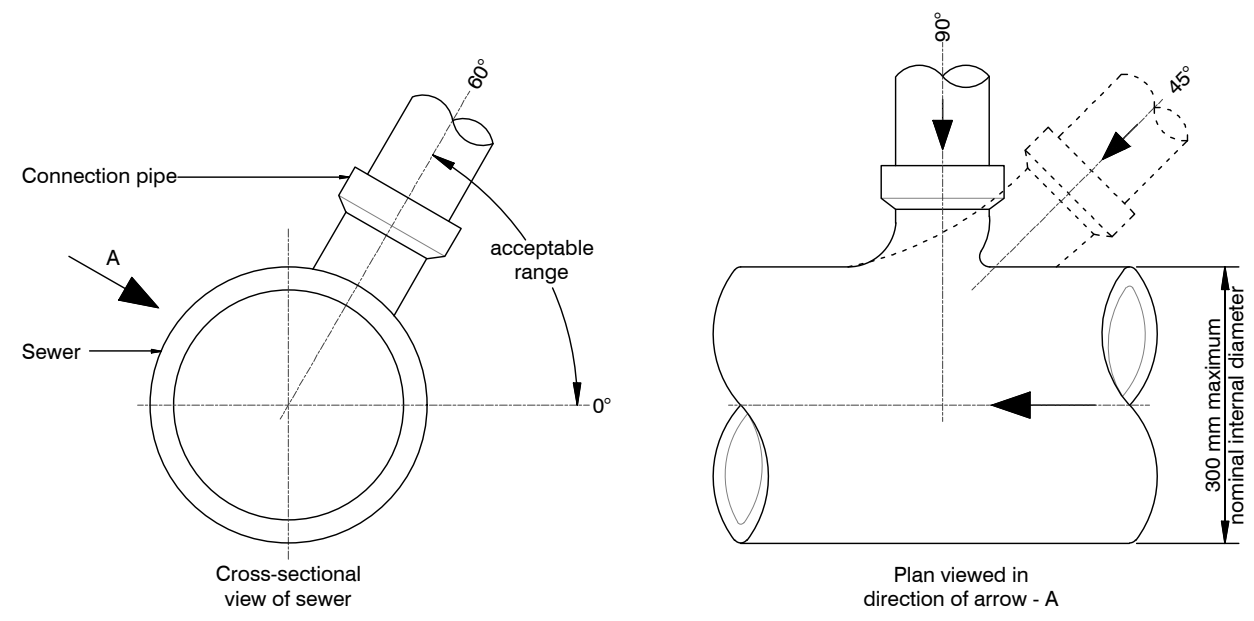
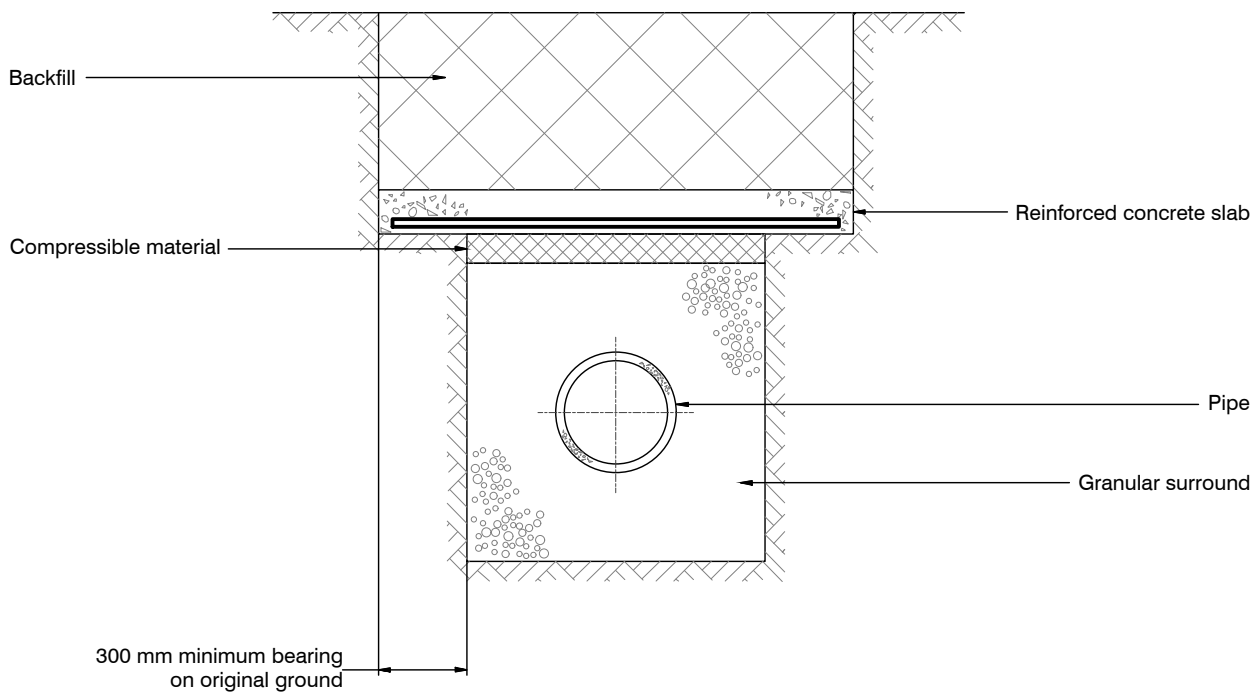


FIGURE B.25
PROTECTION OF PIPES LAID AT SHALLOW DEPTHS



TENDER

HIGHWAY DESIGN SUBJECT TO NEWPORT CITY
COUNCIL SECTION 38 APPROVAL
- FOUL DRAINAGE DESIGN SUBJECT TO DCWW
SECTION 104 APPROVAL
- FOUL AND STORM ASSUME FREE DISCHARGE INTO
THE PROVIDED CONNECTION POINTS
- SUBJECT TO APPROVAL BY NEWPORT SAB
AUTHORITY
ANY SITE CONSTRUCTION WORKS PRIOR TO FORMAL
APPROVALS ARE AT THE DEVELOPERS RISK

FIGURE B.26
JOINTS FOR CONCRETE ENCASED PIPES

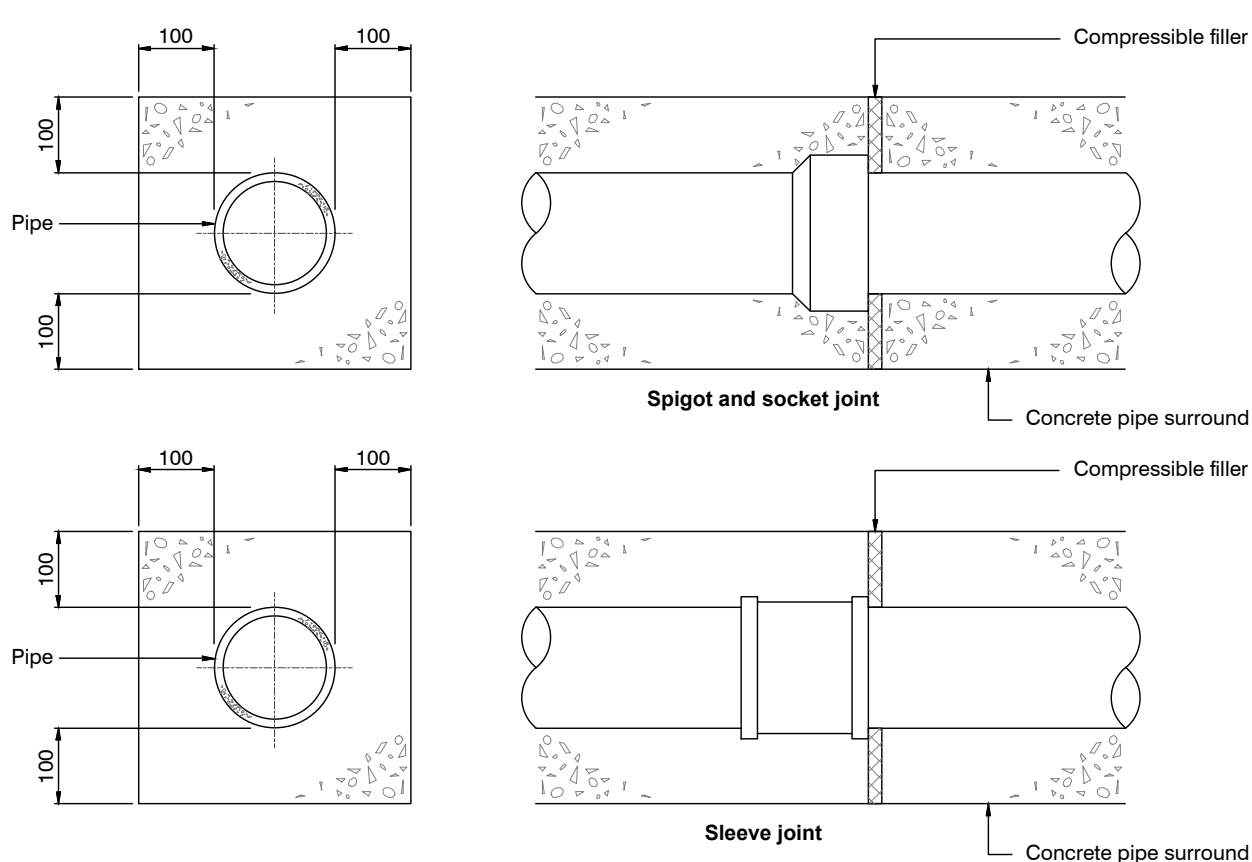
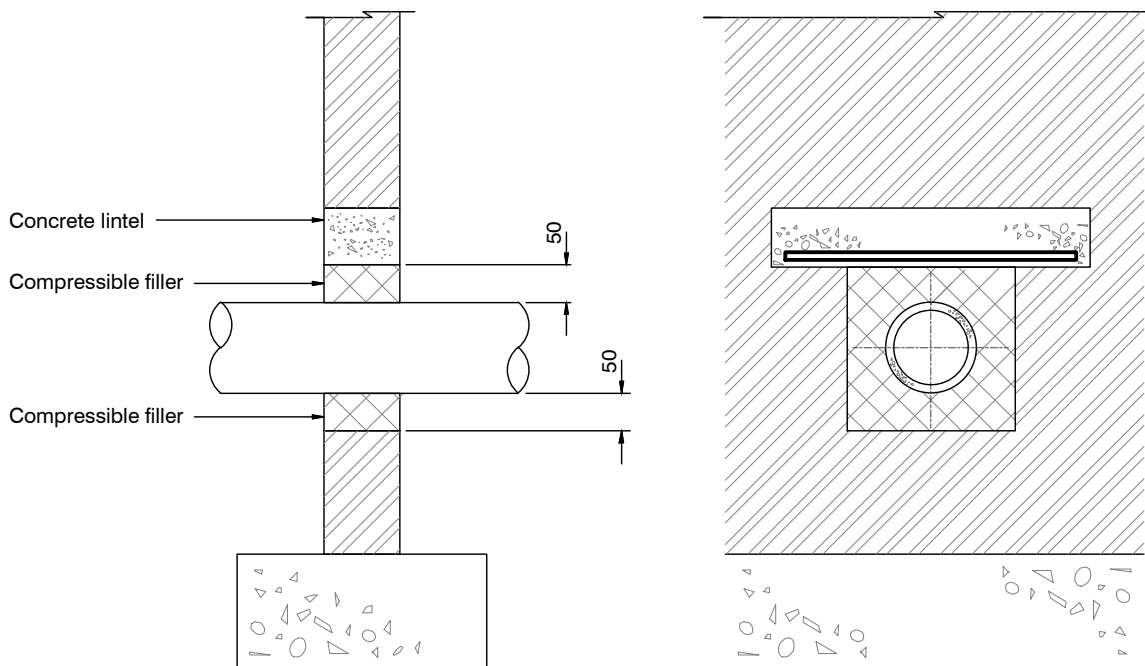


FIGURE B.27
PROTECTION OF PIPES PENETRATING SINGLE LEAF BOUNDARY WALLS



Not to scale, dimensions in millimetres
(all dimensions are minimum sizes)

B	14.11.25	MARKED FOR TENDER	RWP
A	05.09.25	CLIENT TITLE CHANGE	RWP
Rev	Date	Description	By

Dimensions to be verified on site.
This drawing should not be scaled. Use figured dimensions only.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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Client
MILLER HOMES

Project
LLANWERN 4E & 4G
Title
**FW Drainage Details
Sheet 2 of 3**

Drawing Status	TENDER				
Designed by	Drawn by	Checked by	Date	Scale	@ A1 size
RWP	RWP	ACV	Feb '25	NTS	
Drawing No					
24519C-452-B					