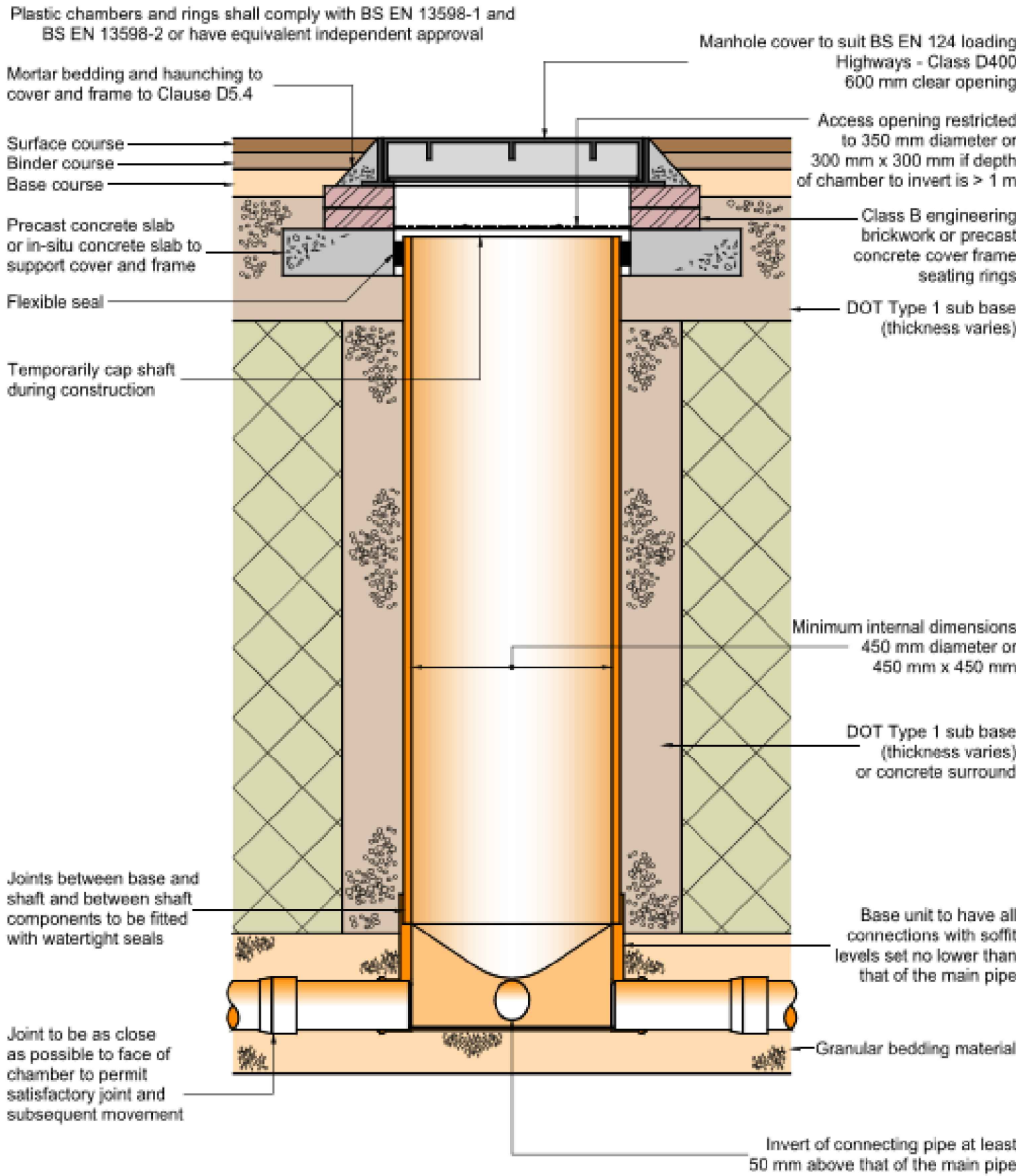


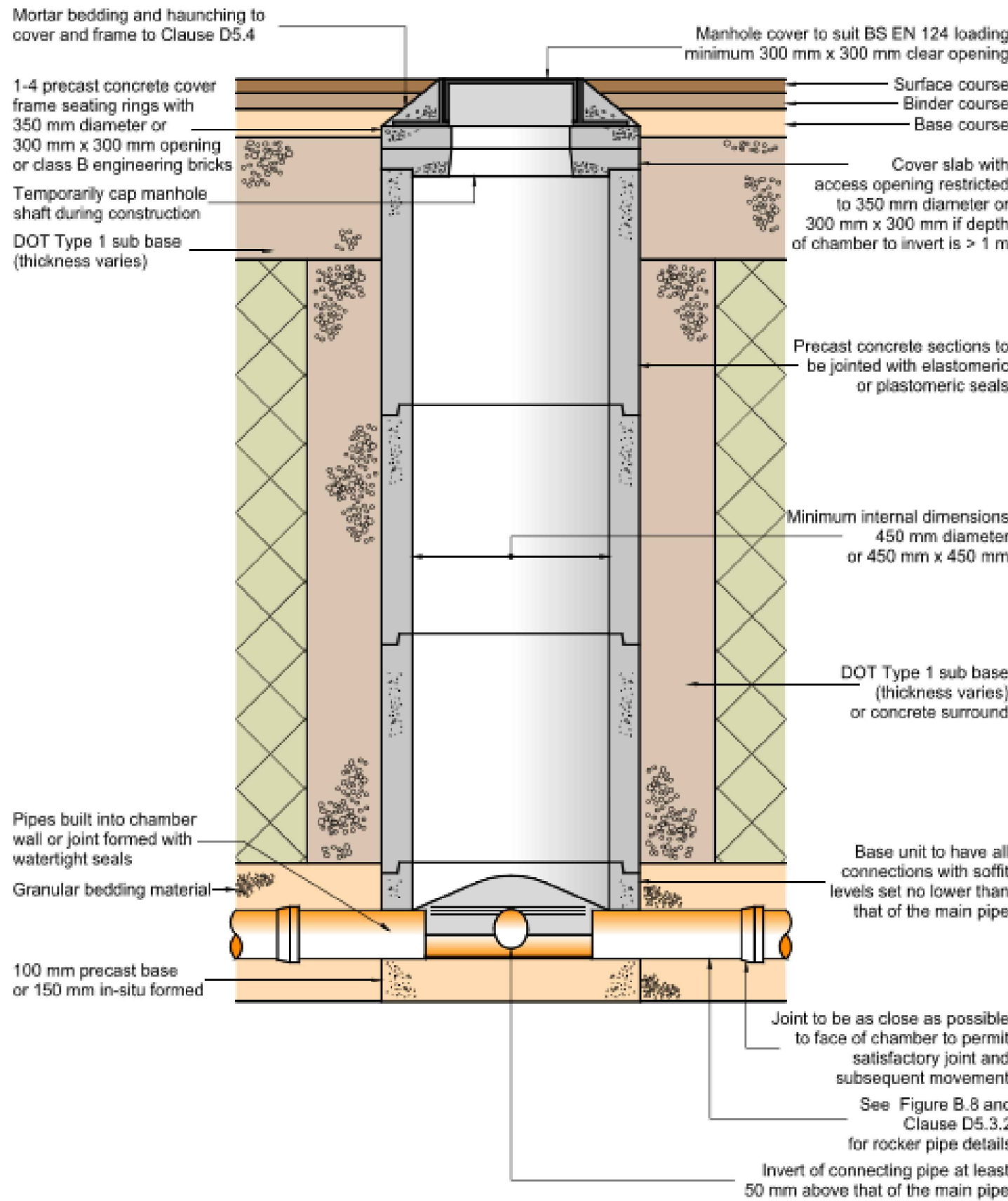
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Flexible material detail)

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



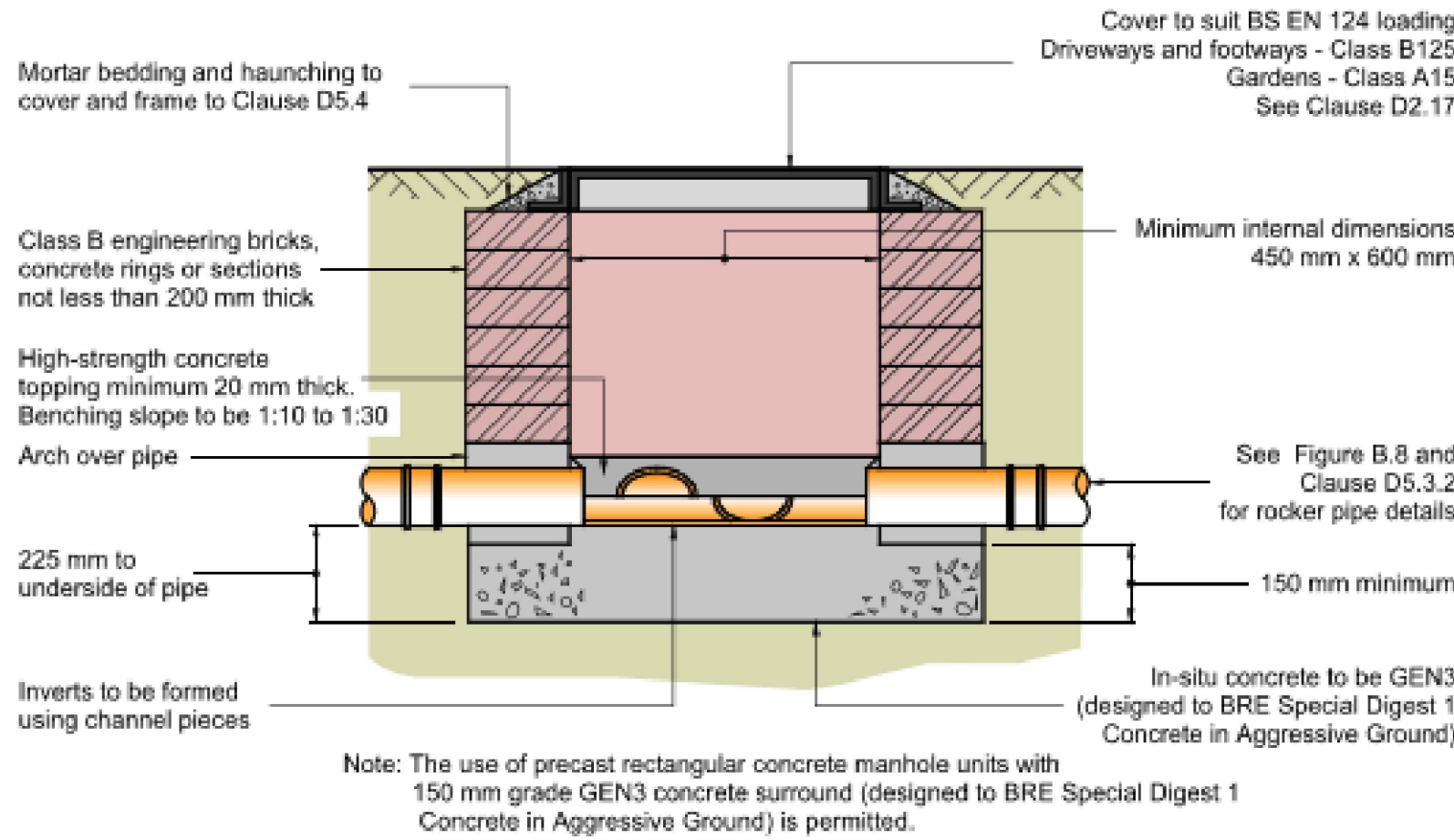
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)

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



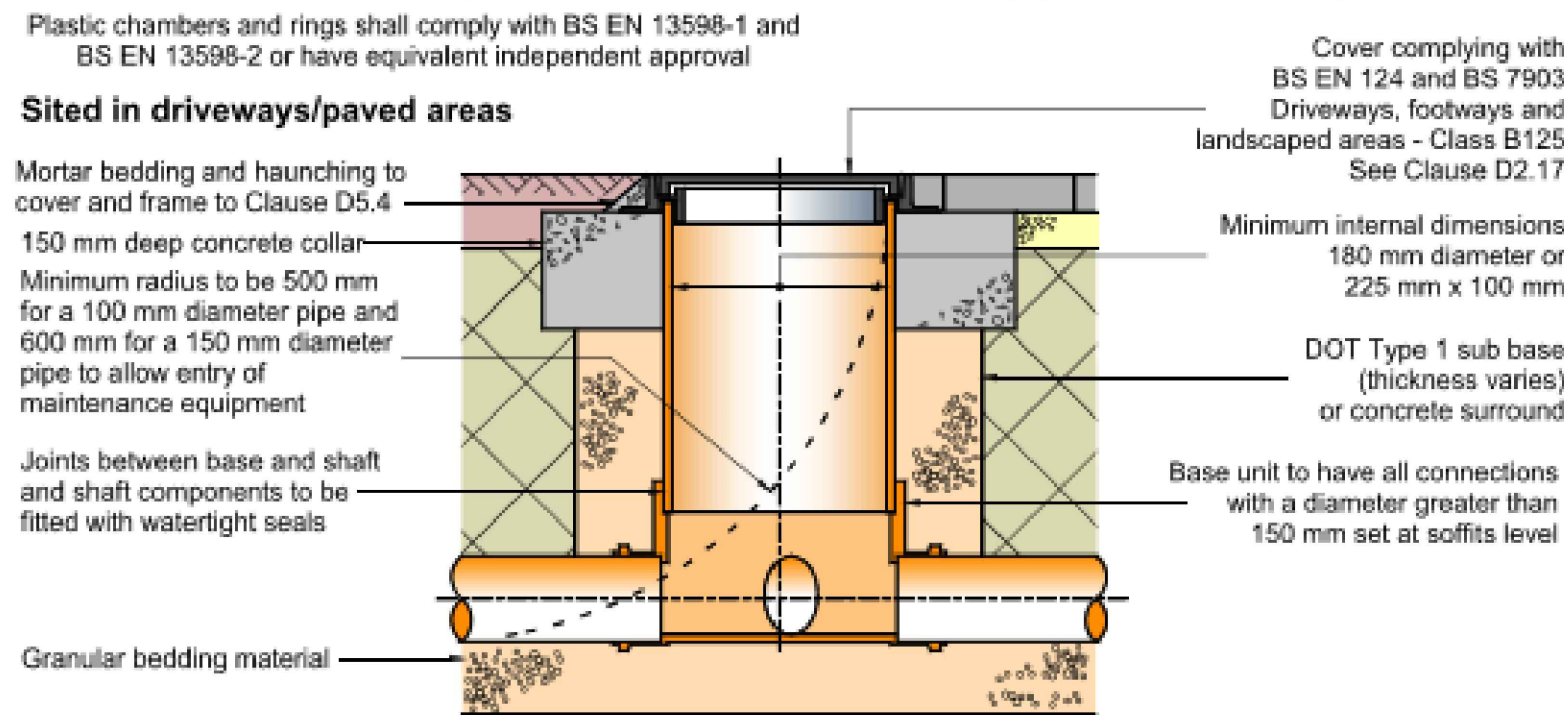
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Rigid material detail)

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



TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Flexible material detail)

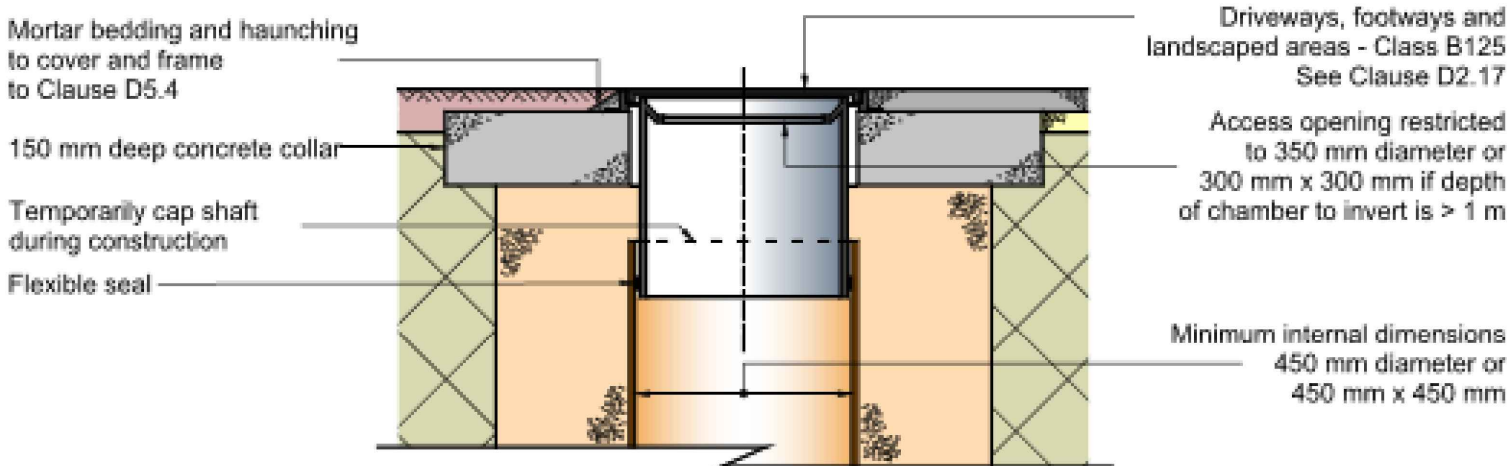
Maximum depth from cover level to soffit of pipe 2 m, non-entry



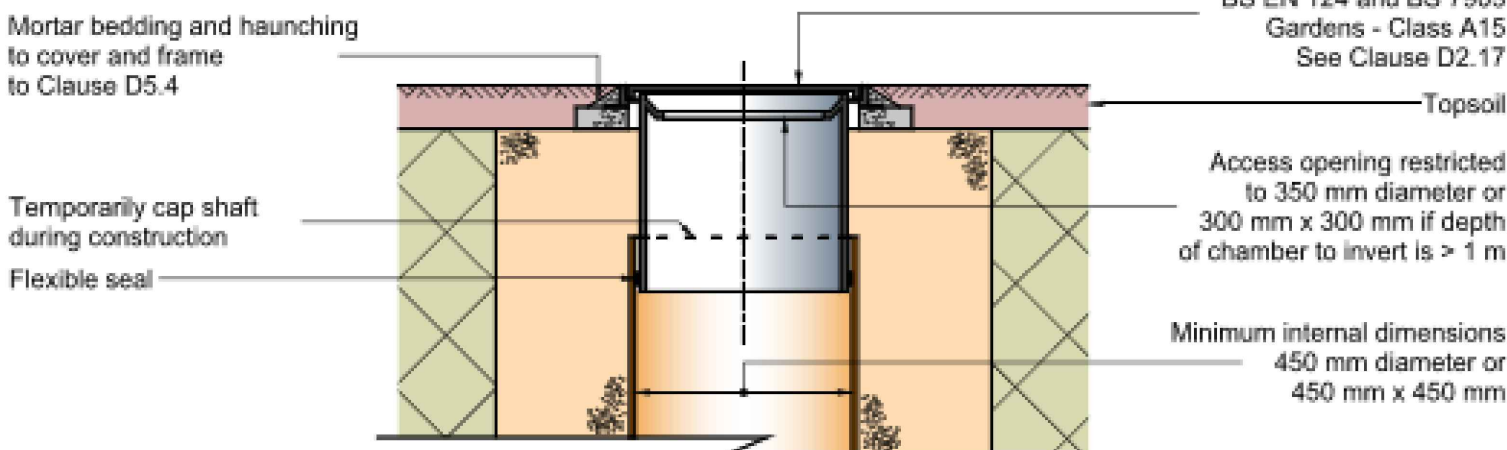
ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING
AND LANDSCAPED AREAS - TYPE 3

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

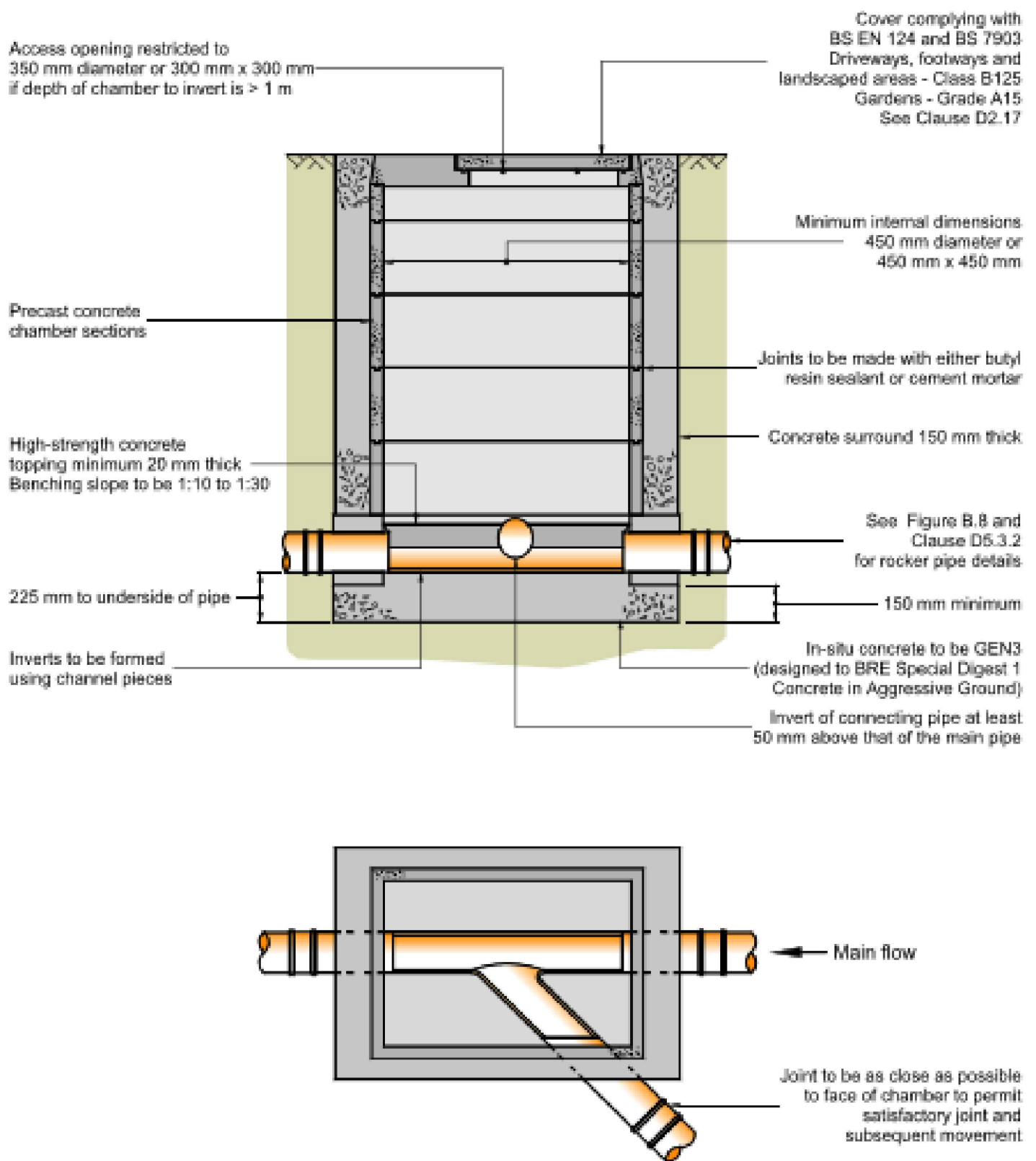


Sited in domestic gardens



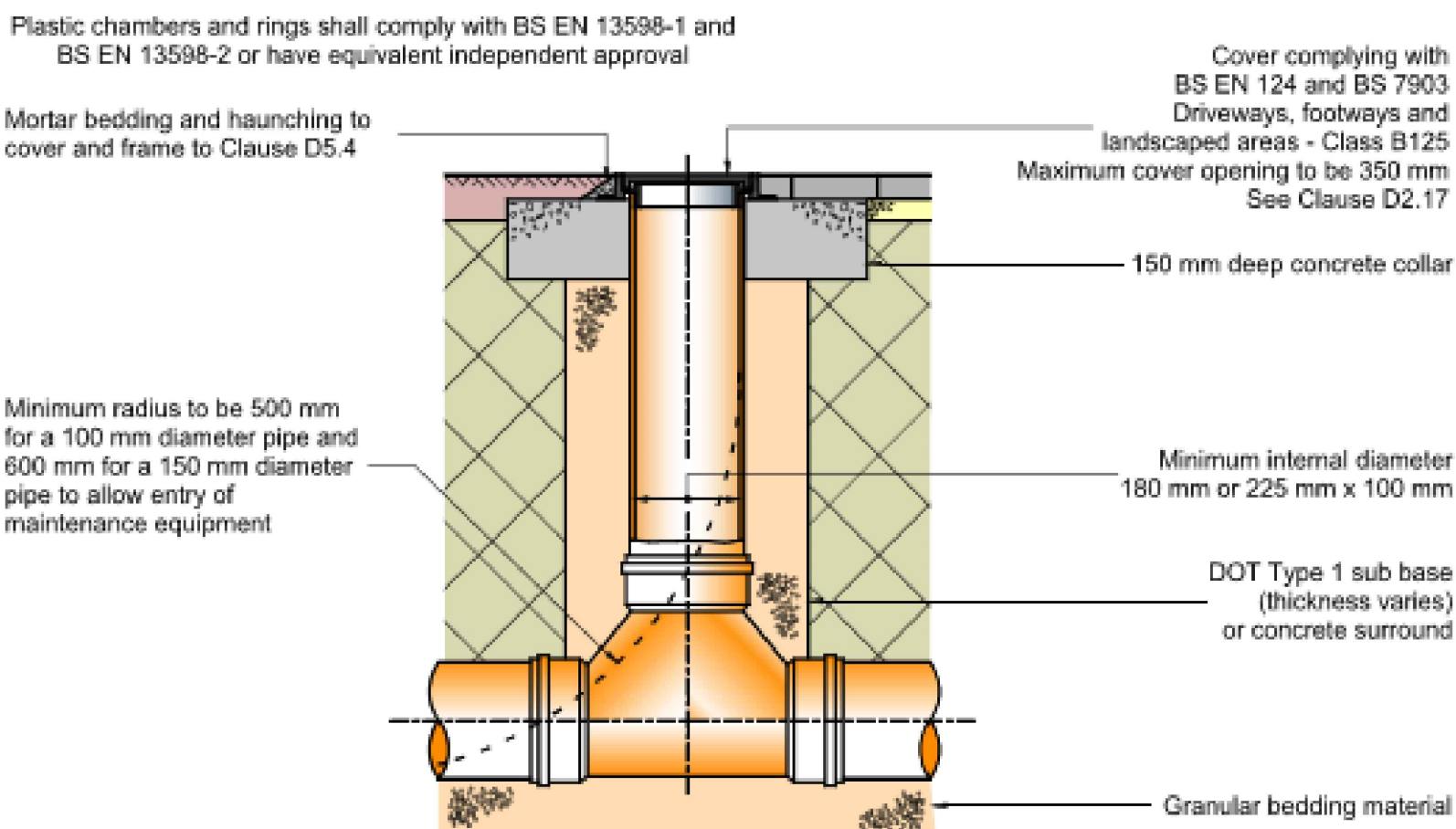
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (Rigid material detail)

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



TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4 (Alternative construction detail)

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



The Contractor is to check and verify in consultation with the Architects details of setting out points, building and site dimensions, levels and sewer invert levels at connection points and ensure that they are fully consistent with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building legislation, British Standards specifications, Building Regulations etc. whether or not specifically stated on this drawing.

This drawing is not intended to show details of ground conditions or ground constraints. Each area of ground relied upon to support any structure depicted including drainage must be investigated by the Contractor any areas of formation for said structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately notified to the Engineer, where appropriate. Any aspect that gives rise to ground constraints or where the ground should be further investigated to a suitable depth. Any earthworks shown indicate typical slopes for guidance only and should be investigated further by a suitable geotechnical expert. Where existing lines are shown to be retained they should be subject to a full structural inspection to satisfy all trees to be retained to as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services, where applicable. A foundation is to be provided to accommodate the proposed tree planting, where applicable.

It is the Contractor's responsibility to ensure that the building works depicted are the copyright of Banners Gate Ltd and may not be reproduced or amended except by written permission. No liability will be accepted for amendments made by other persons.

GENERAL NOTES

- This drawing is to be read in conjunction with relevant architectural and engineering drawings.
- Levels indicated in blocks are Finished floor levels and are 150mm above adjacent finished ground levels unless otherwise shown.
- Levels of the existing road at the point of tie-in with proposed site road must be checked prior to commencement of works.
- Any discrepancies between the details shown and actual on site conditions to be reported immediately to the engineer prior to commencement of works.

ADOPTABLE ROADS AND SEWERS

- Roads, footways and parking bays which form part of the highway to be adopted under Section 36 of the Highways Act 1980 shall comply with the requirements of the Adopting Authority.
- Sewers to be adopted under Section 104 of the Water Industries Act 1991 shall comply with the Water Authorities Association 'Sewers for Adoption 7th Edition' with any amendments specified by the Adopting Water Authority.
- All pipes to be used in adoptable sewerage shall be either clayware to BS EN 285 or concrete to BS EN 1916 and BS 5911 Part 1 with Class B bedding unless otherwise stated. With approval of the Adopting Authority solid wall concrete external rib reinforced uPVC pipes complying with the relevant provisions of BS EN 13476 may be used.
- Where cover to a pipe is more than 1200mm under adoptable carriageway the trench shall be filled to formation of the carriageway with well compacted DOT Type 1 material.
- Where cover to a pipe is less than 1200mm under adoptable carriageway it shall be provided with concrete protection in accordance with the specification of the adopting authority and back filled to formation of the carriageway with well compacted DOT Type 1 material. Where concrete bed and surround is specified flexibility of joints is to be maintained by using compressible bitumen impregnated fibreglass at each pipe joint.
- All existing drainage invert levels, diameters and locations are to be checked by the Contractor prior to the commencement of any proposed drainage work. Any difference between actual and drawn details is to be reported to the Engineer immediately.
- Positions of existing non-statutory underground apparatus adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.

Dwr Cymru - Welsh Water Drainage Notes:

- The developer must self-verify and certify that the design criteria, material standards and workmanship specifications for the proposed adoptable sewers are in accordance with those set out in 'Sewers for Adoption' 7th Edition, The Welsh Ministers Standards and the requirement of DCWW as the Statutory Sewerage Undertaker.
- Subject to Section 104 Adoption Agreement being complete, a Section 106 application to connect must be made to DCWW the developer shall give 21 days' notice prior to connection. The works may only be undertaken by an SSIP Health and Safety approved contractor.

Type 3 Manhole

Type 4 Manhole

-	First Issue	10.06.20	TB
Rev.	Description	Date	By
Drawing Status	<div>PRELIMINARY</div> <p>Please note while these drawings may be used for tender purposes, drawings are subject to Welsh Water approval as part of ongoing consultations and design checks. Amendments may therefore be requested.</p>		
Client	<div></div>		
Project	Tillington Road Hereford		
Title	Adoptable Drainage Construction Details - Sheet 2 of 3		
<div></div> <div>BANNERS GATE</div> <p>CIVIL, STRUCTURAL & ARCHITECTURAL DESIGN SERVICES 10-11 Birmingham Street, Hereford, West Midlands HR3 3JN Tel: 0121 687 1500 Fax: 0121 687 1501 E-mail: mail@bannersgate.com</p>			
Scale	1:20 @ A1	Drawn	TB
Date	June 2020	Checked	
File	18210 / dwgs / civils / current	Drawing	18210 / 312