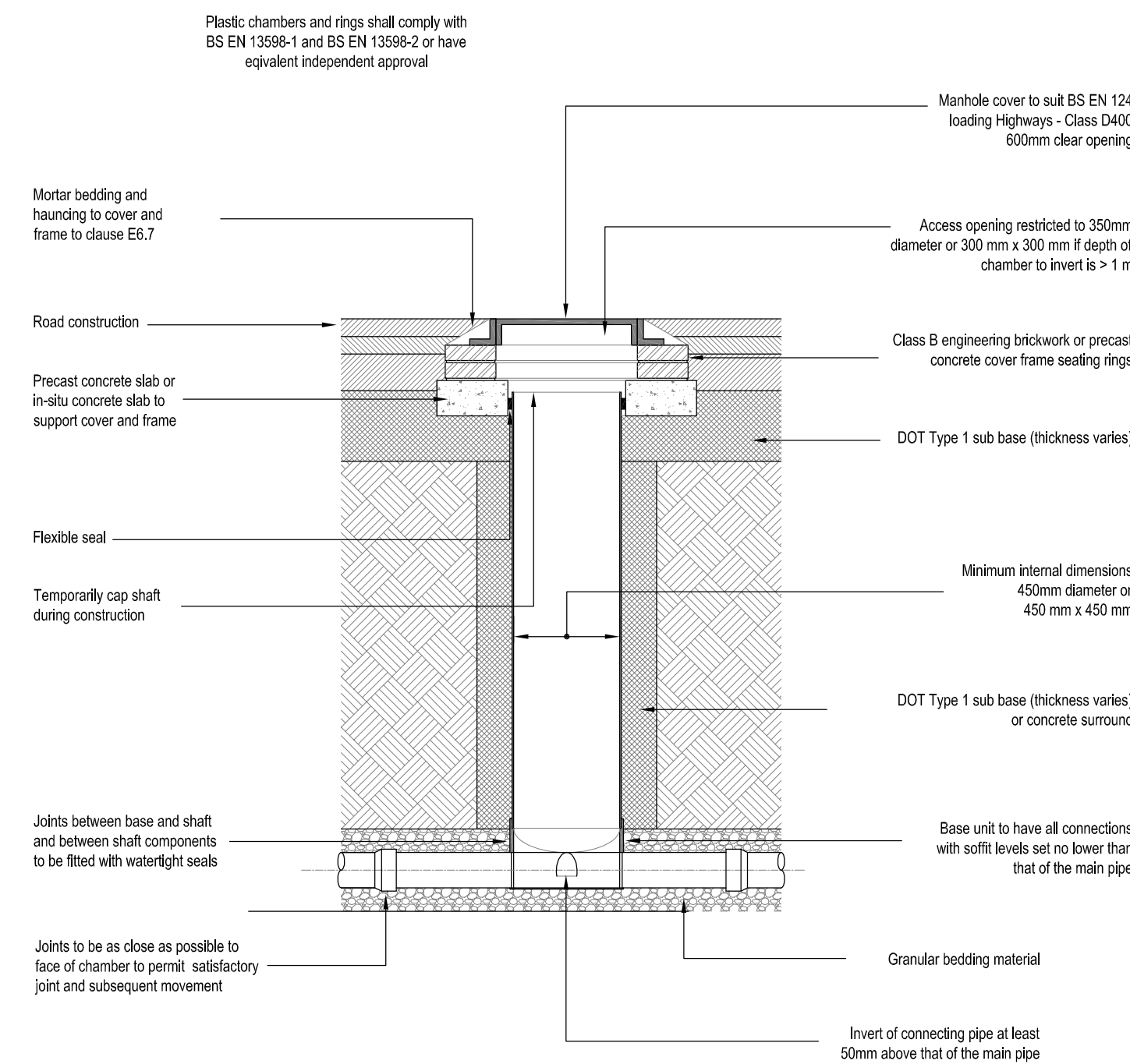


Maximum depth from cover to soffit level of pipe in areas subject to vehicle loading 3 m, non-entry



TYPICAL OSMA CATCHPIT CHAMBER DETAIL - TYPE 5

(Flexible material construction)

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

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

Manhole cover - see drainage schedule

Access opening restricted to 350mm diameter or 300 mm x 300 mm if depth of chamber to invert is > 1 m

Class B engineering brickwork or precast concrete cover frame seating rings

DOT Type 1 sub base (thickness varies)

DOT Type 1 sub base (thickness varies) or concrete surround

Minimum internal dimensions 450mm diameter or 450 mm x 450 mm

DOT Type 1 sub base or concrete surround min thickness 150mm

Joints to be as close as possible to face of chamber to permit satisfactory joint and subsequent movement

Temporarily cap shaft during construction

Flexible seal

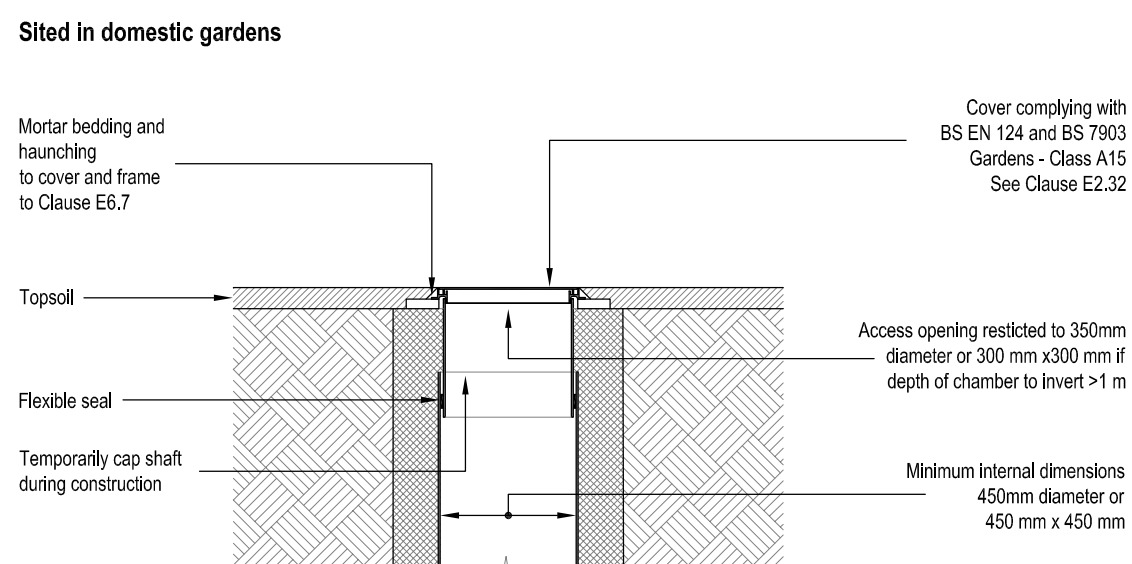
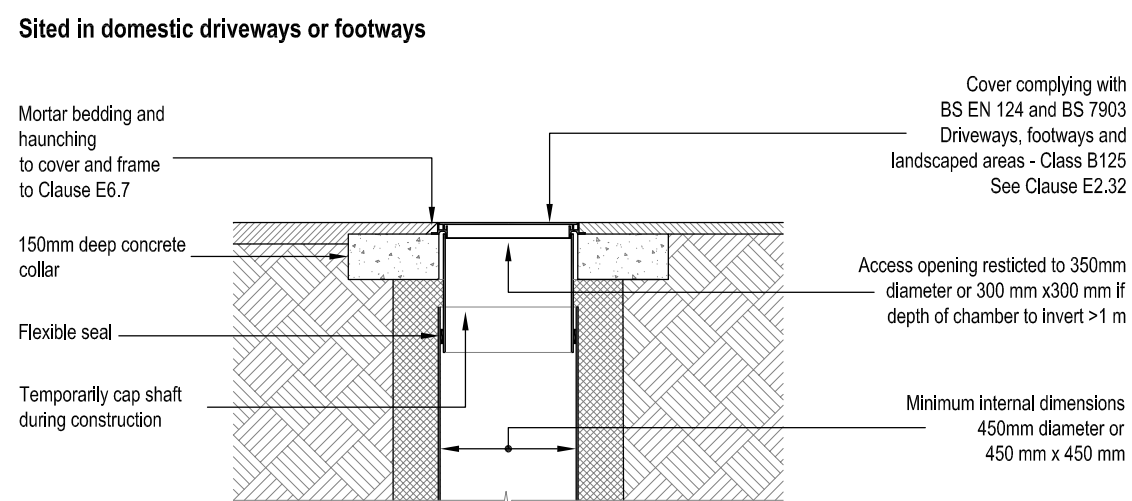
Precast concrete slab or in-situ concrete slab to support cover and frame

Road construction

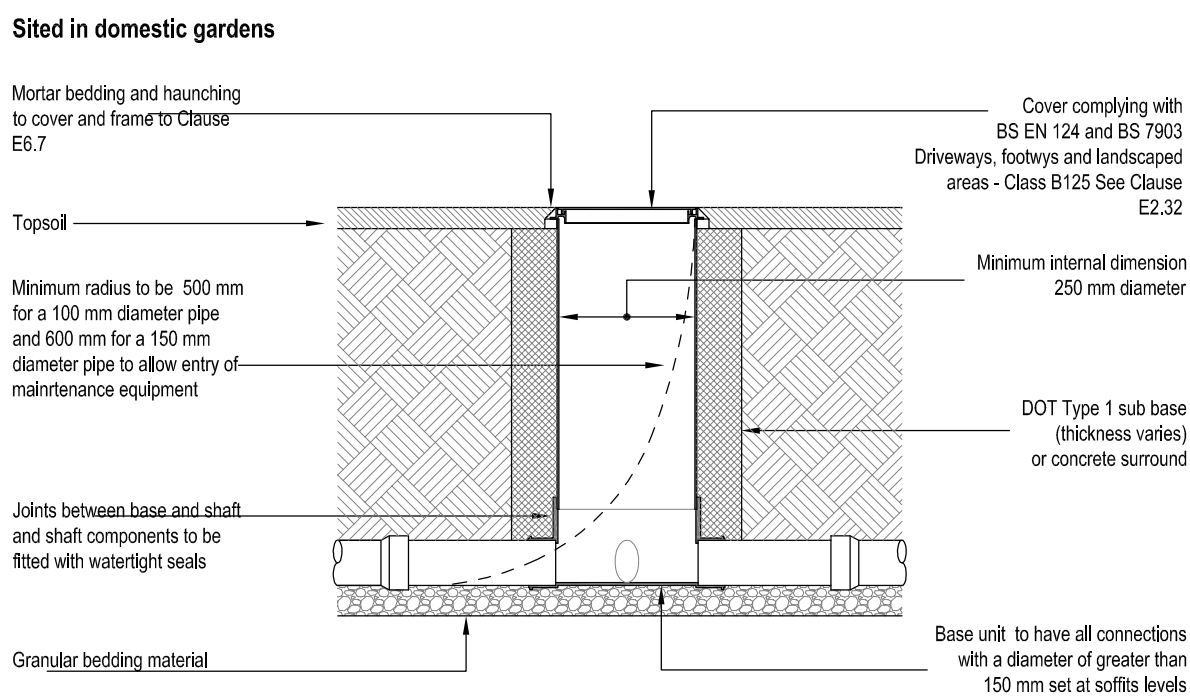
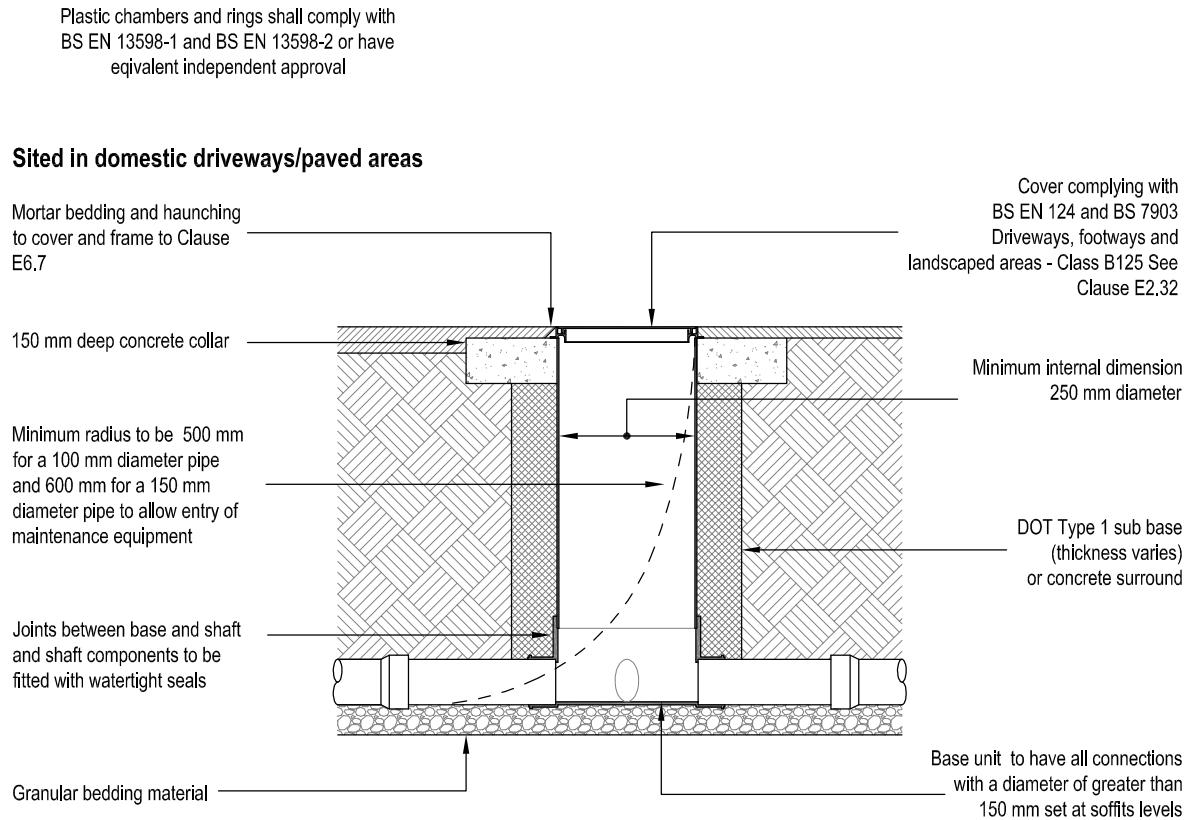
Mortar bedding and haunching to cover and frame

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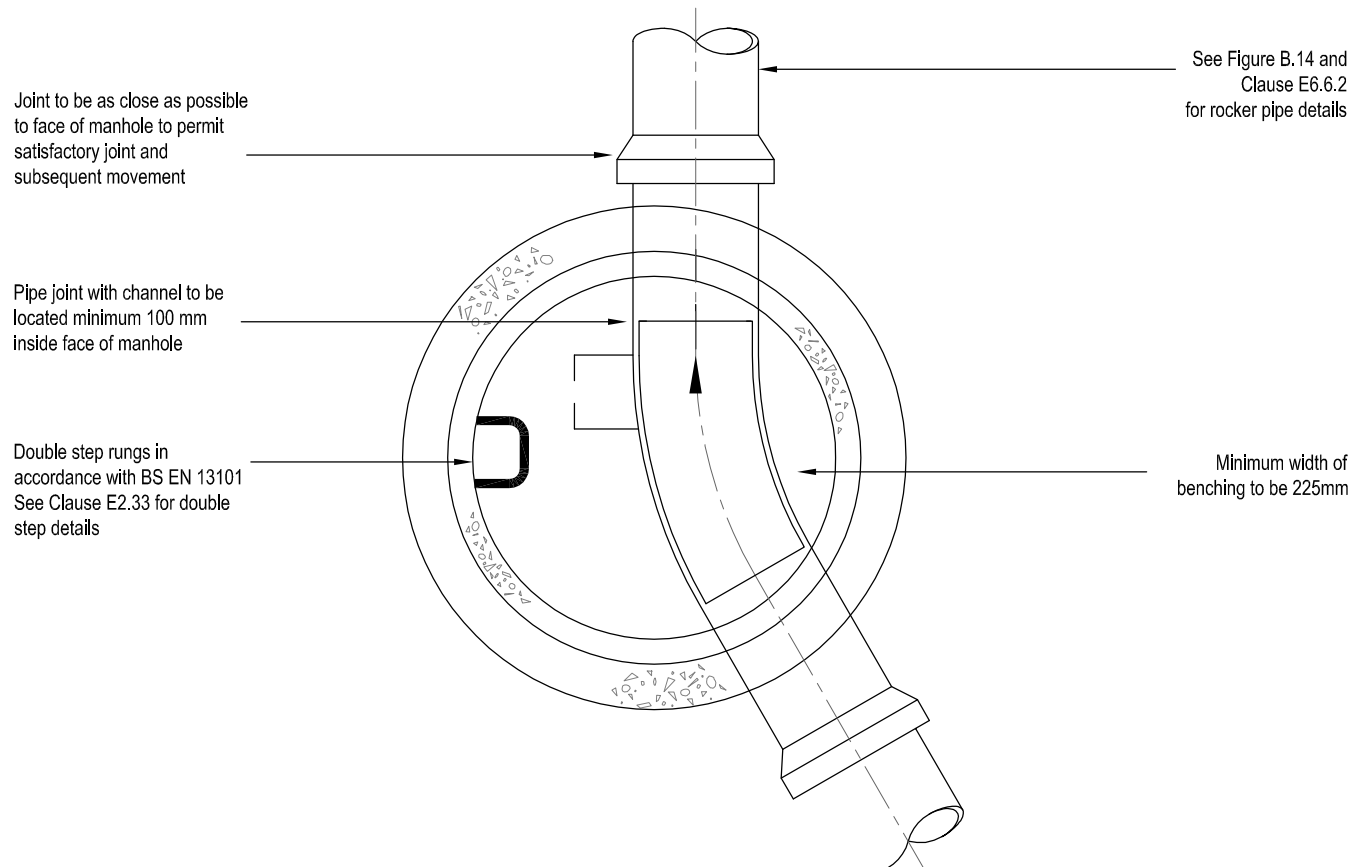
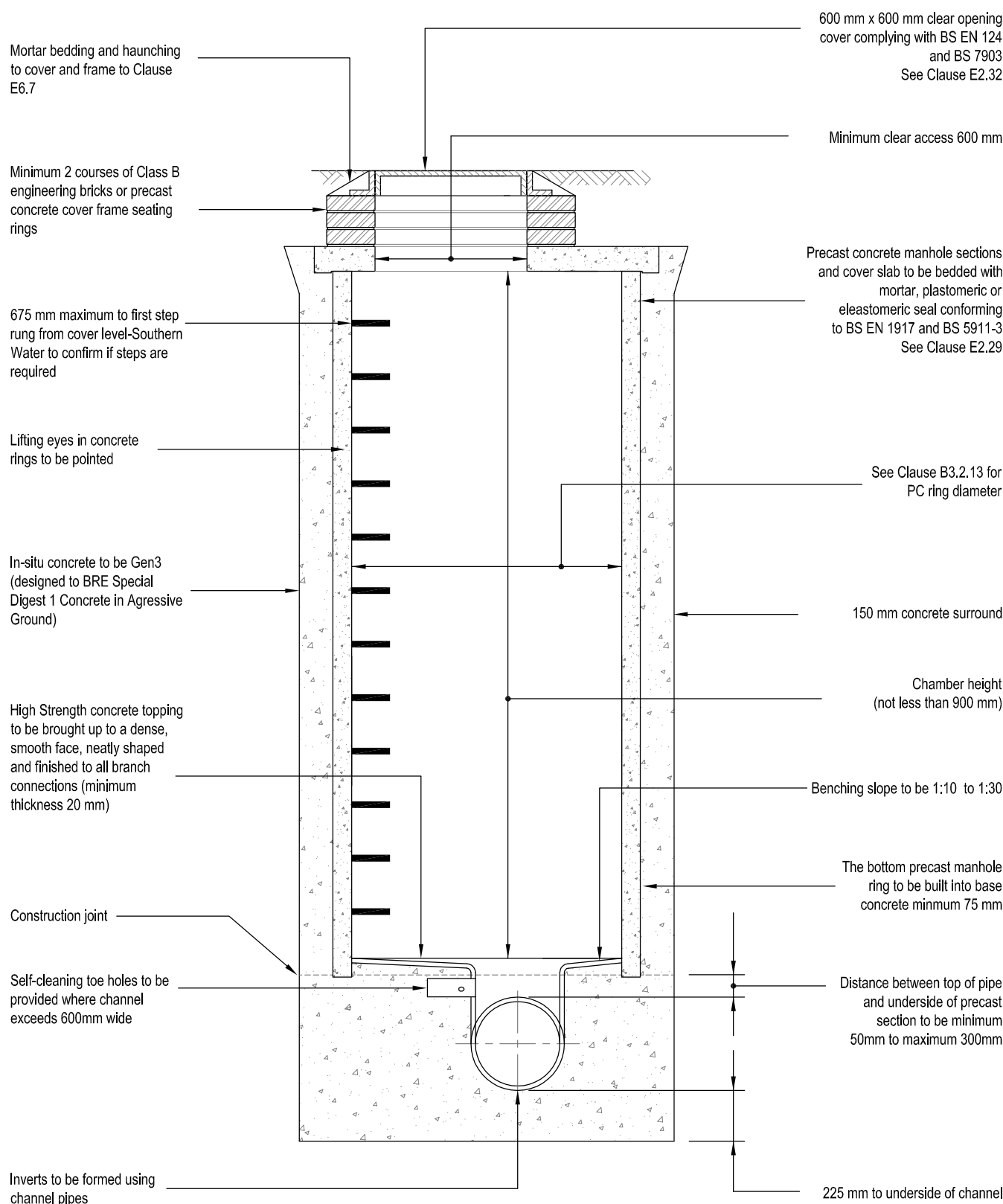
Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval



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



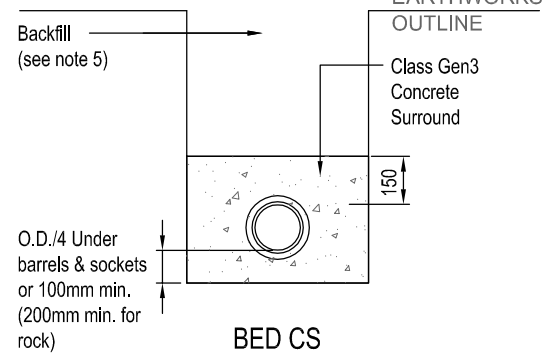
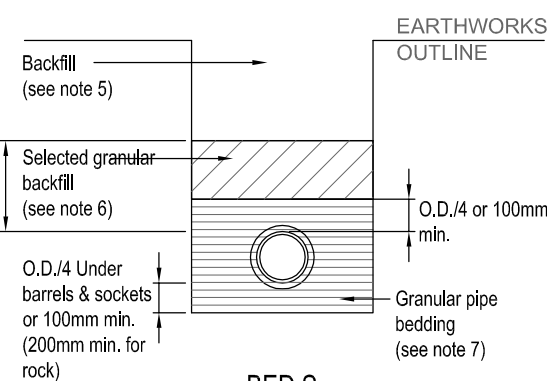
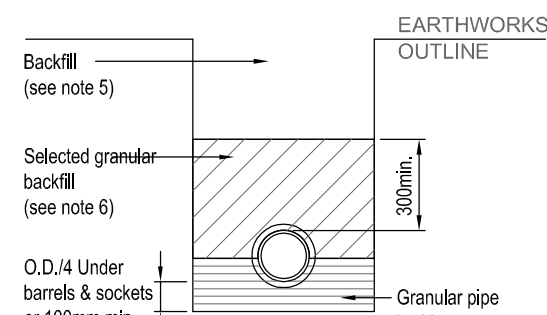
Maximum depth from cover level soffit of pipe 3.0 m



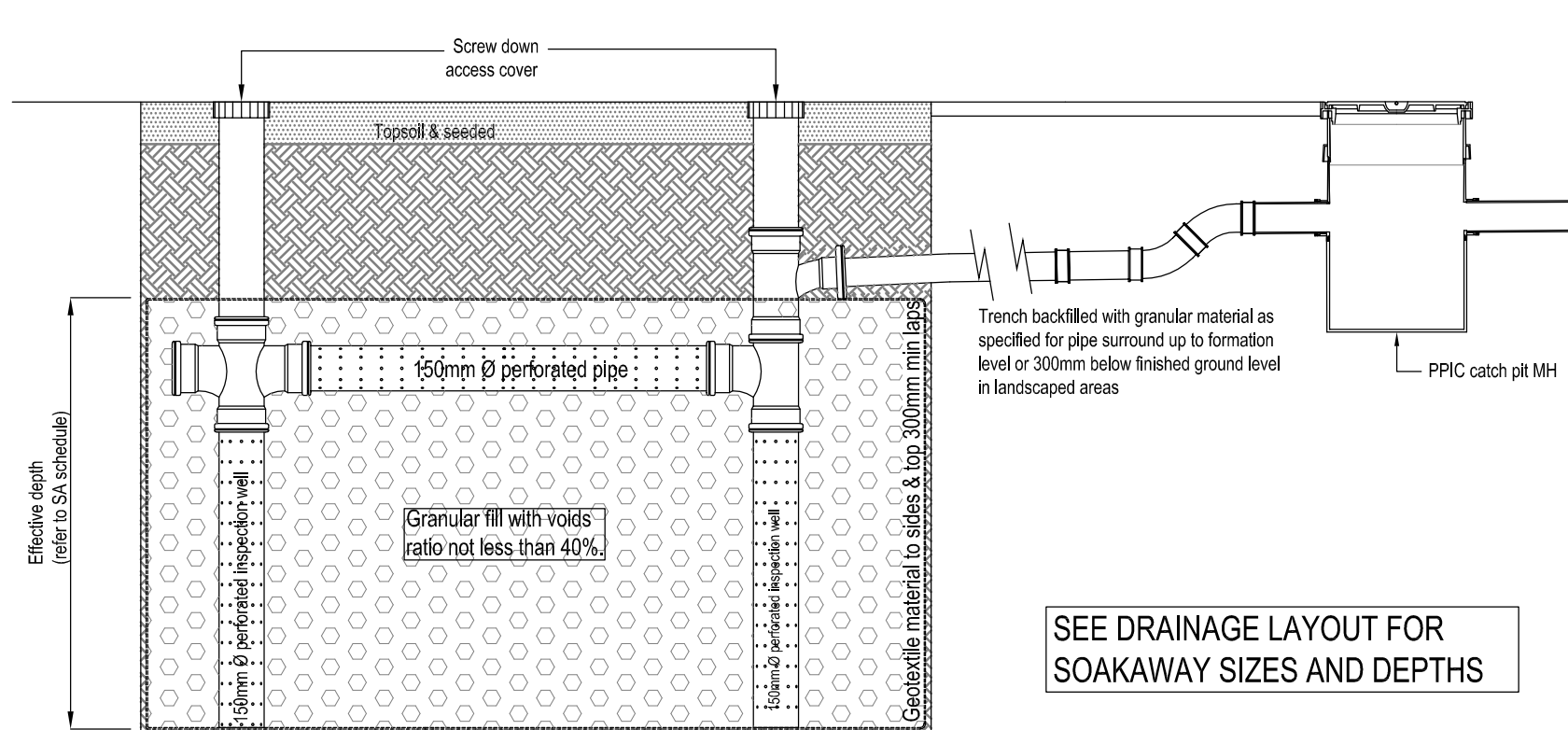
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	Standard Construction Details			
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KN		1:25	A1	04.19
Job No.		Drawing No.	Revision	
ES1822		501-01	A	

BEDDING NOTES:

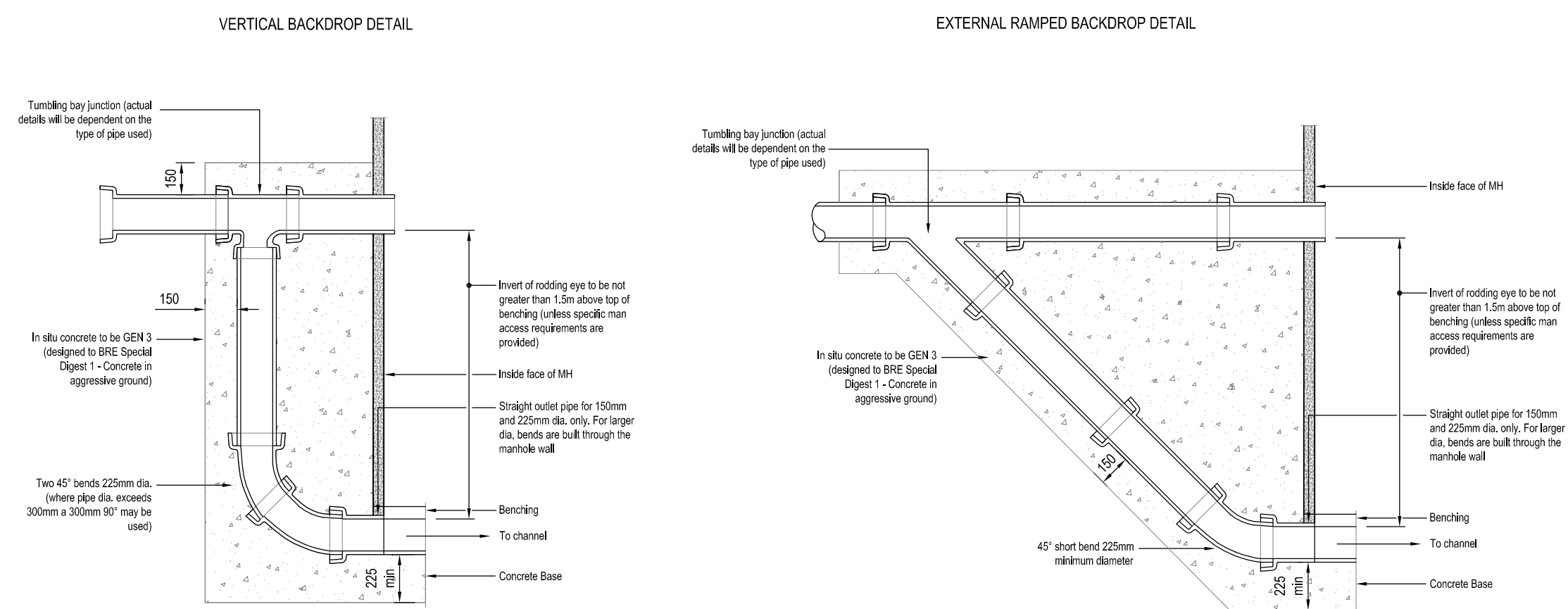
- A. All pipes shall be laid in trenches in accordance with Part A of the building regulations.
- B. All trenches shall have vertical sides and be free depth at least 600mm. The top surface of the Engineer's trenches may be battered above ground level but not more than 300mm above the top of the pipe.
- C. Trenches shall be excavated so that the trench walls have a minimum of 12mm expansion joint constructed for the full width and depth of the concrete and shall be laid so that joints are not more than 5.0 metres apart.
- D. All trenches shall be lined with precast corrugated sheet piling complete of the same materials and thicknesses to underside of wearing course or for wet carriageway applications, as specified by the Engineer.
- E. Selected fill or granular fill from stores larger than 4.0m x 4.0m x 1.0m shall be used for stores larger than 400mm. Layers of clay over 100mm, brick, frozen material & vegetable matter shall not be used.
- F. Granular Material - For rigid pipes the granular material shall conform to BS EN 12620 Annex B Table B.15 and should be single size material graded maximum from 5mm up to a maximum size of 10mm for 100mm pipes, 14mm for 150mm pipes, 20mm for pipes greater than 150mm. For flexible pipes it shall be 600mm Ø Compaction maximum 0.3 class B.
- G. All works and materials to be in accordance with the Authorities Association "Sewers for Adoption" 7th edition.
- H. Bed D To be used in areas not subjected to vehicular loads. Where depth of cover is less than 0.5m then bed C must be used.
- I. Bed C To be used in areas subject to traffic loading where depth of cover is >0.5m.
- J. Bed E To be used in areas subject to traffic loading where depth of cover is <0.5m.



Bedding Classes



Granular Filled Soakaway Details



Backdrop Details