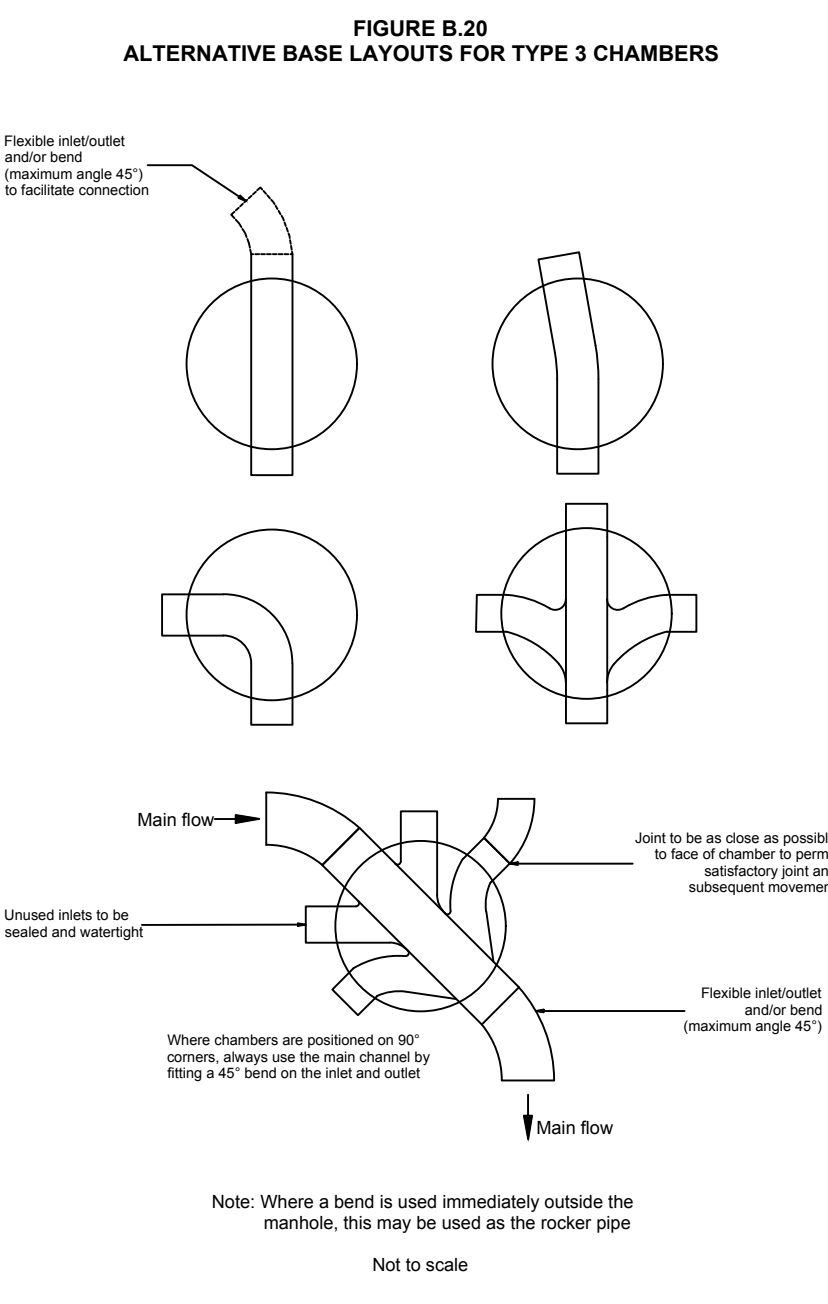
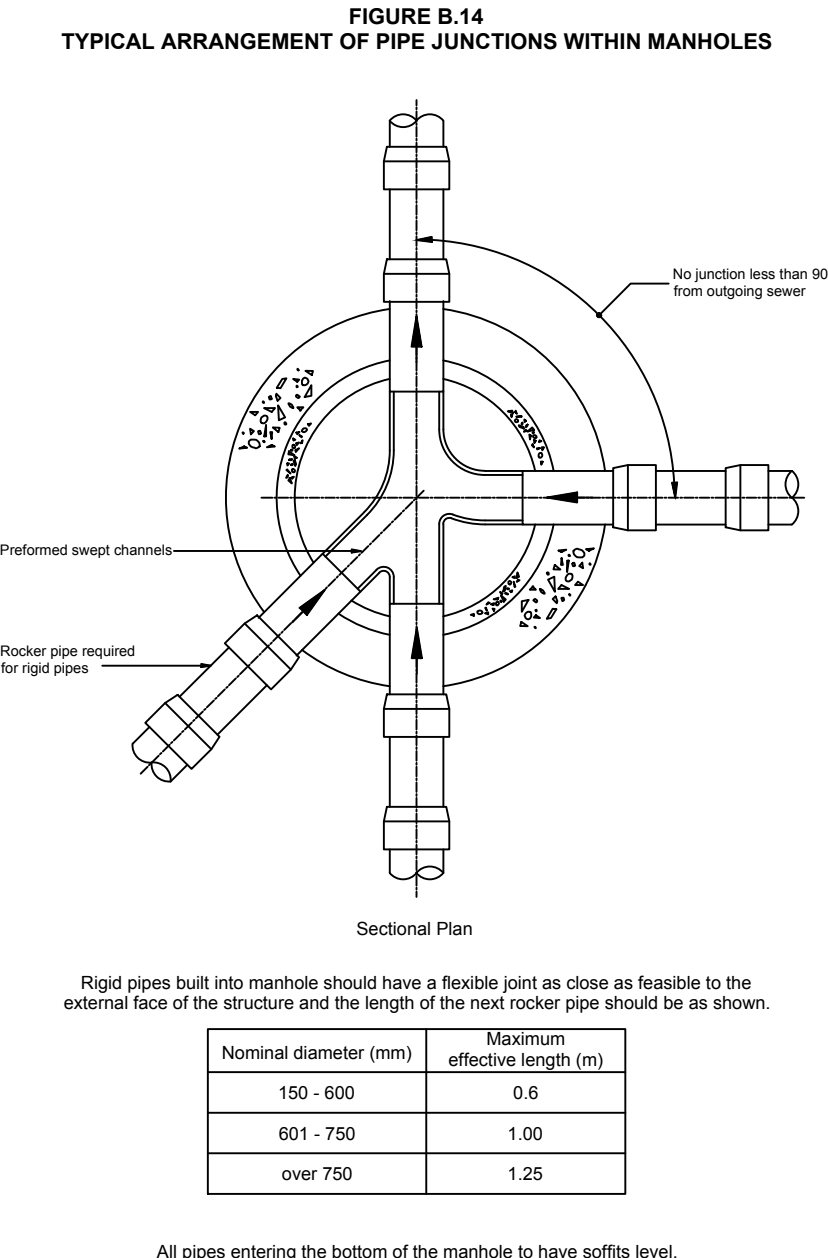
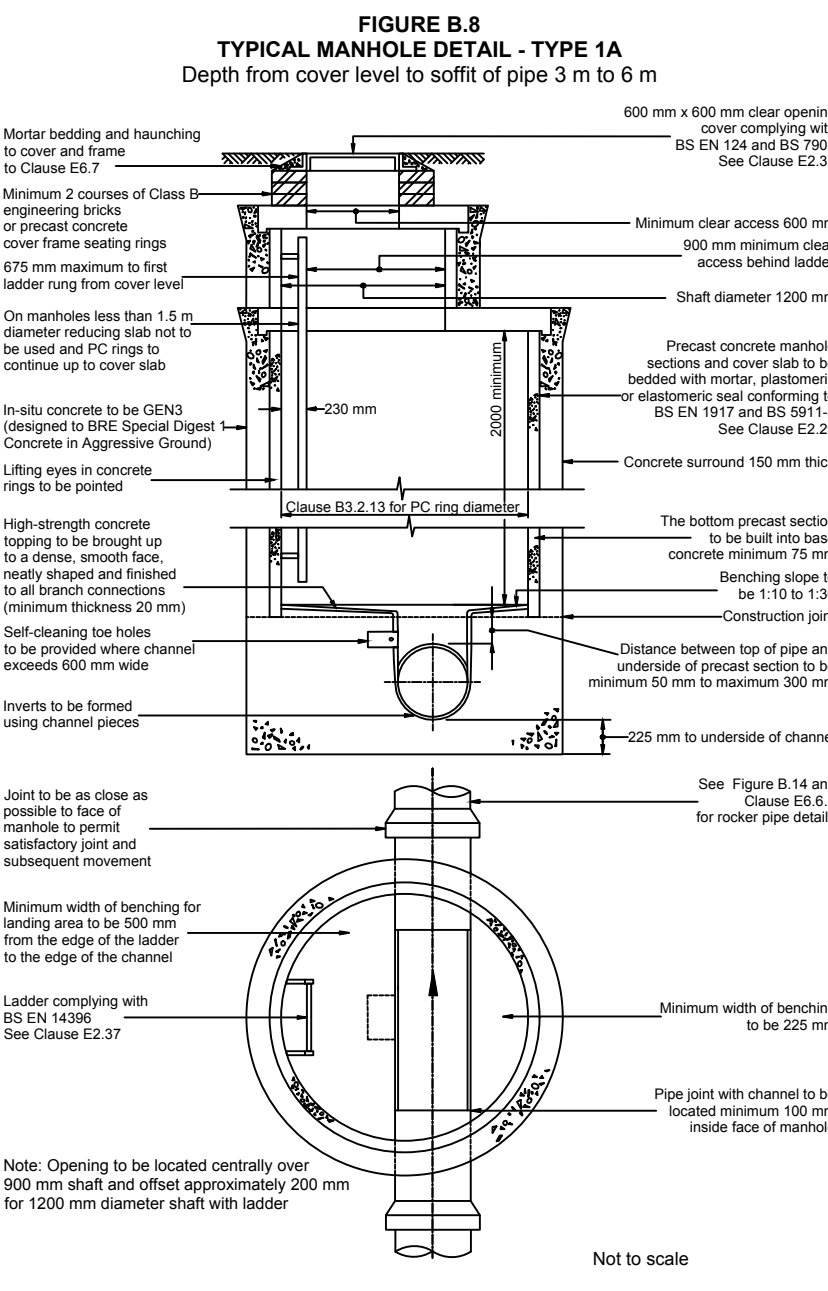
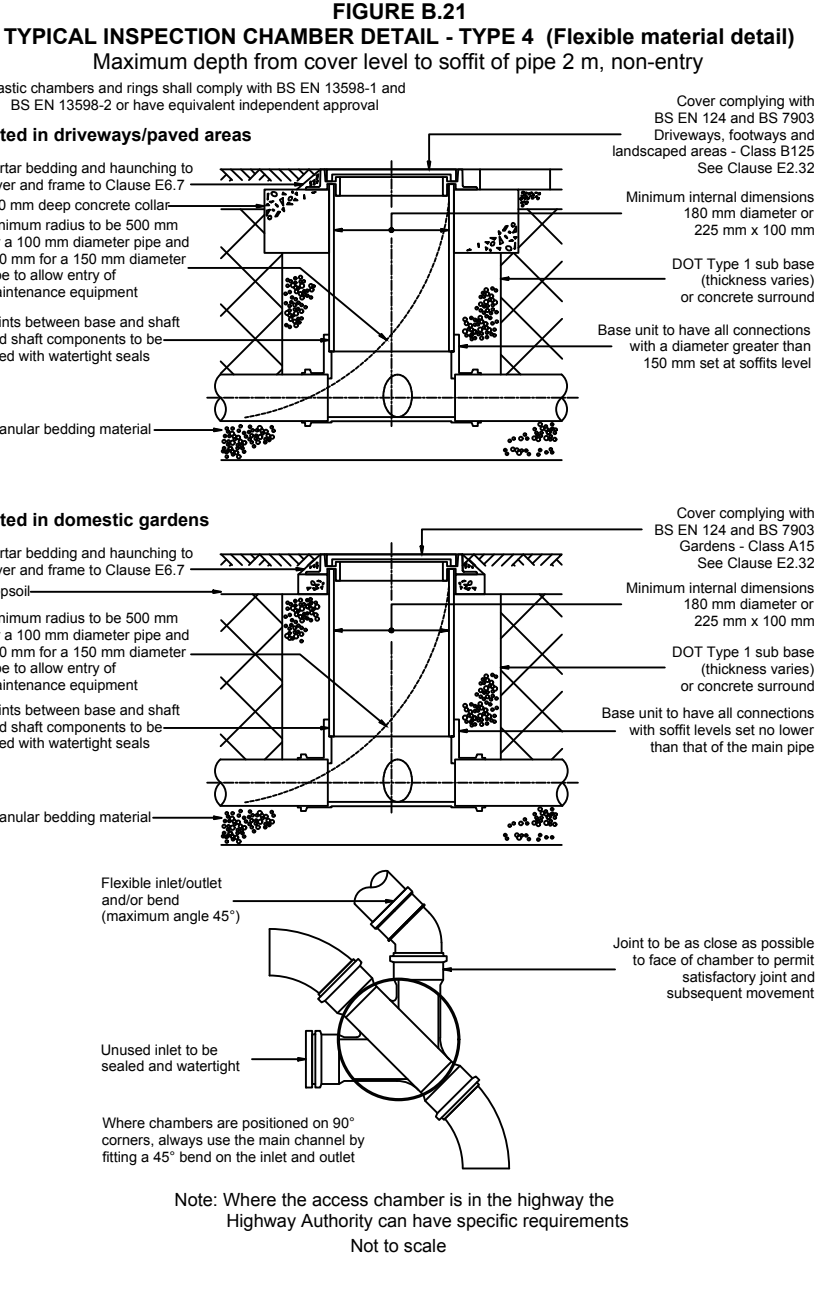
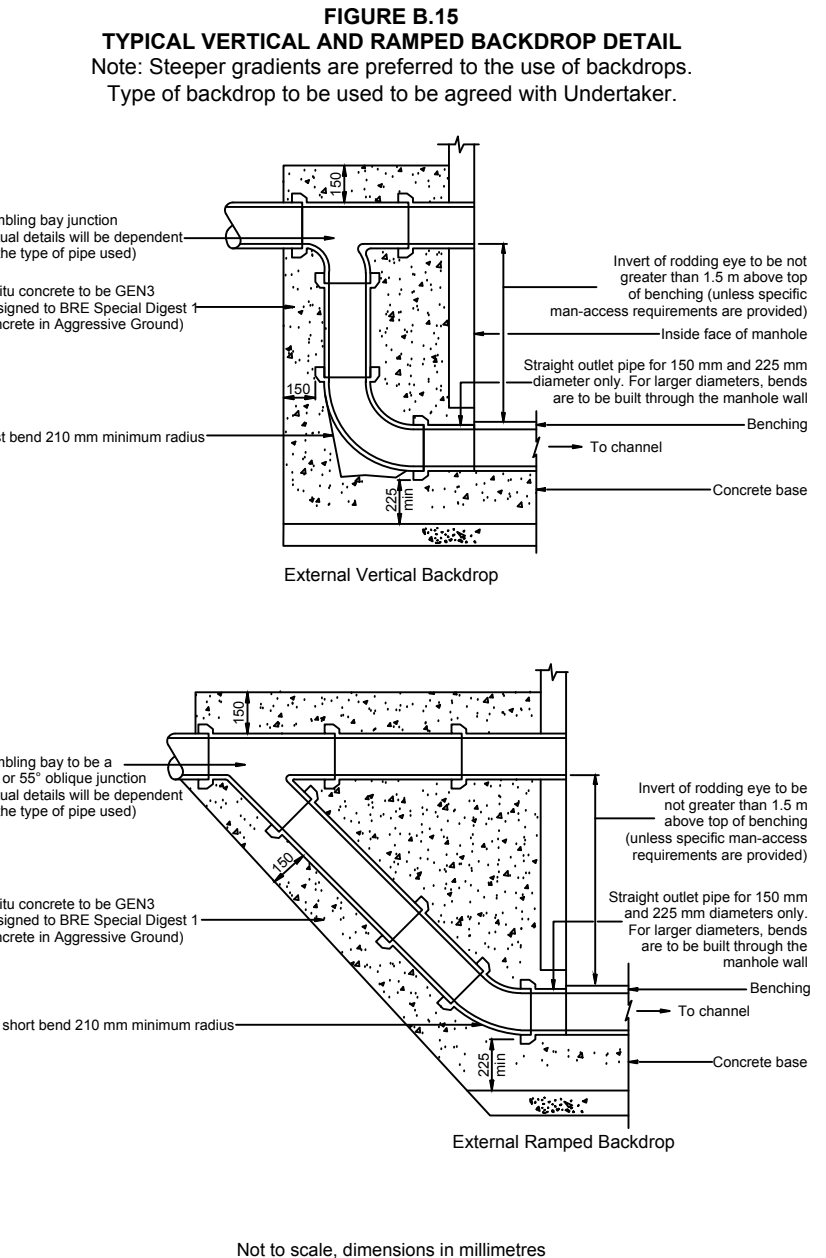
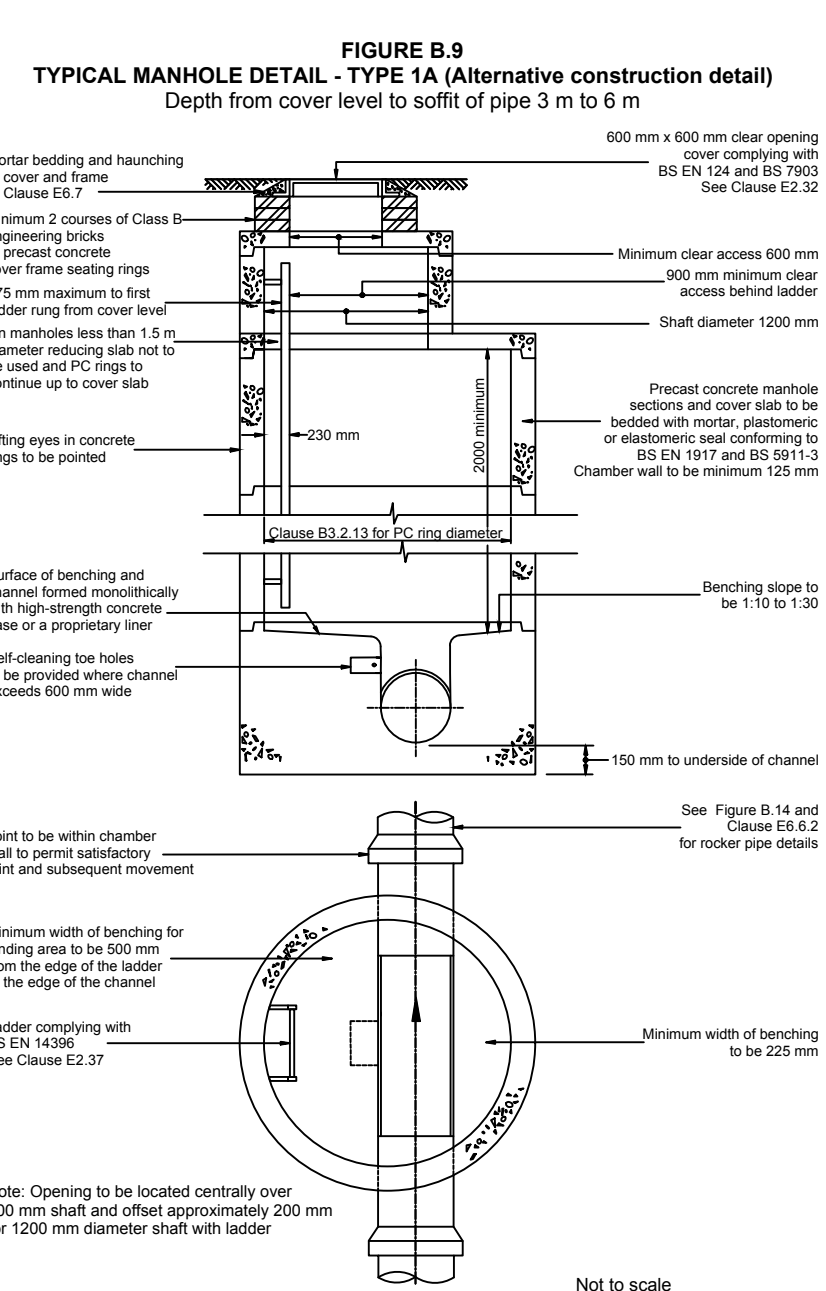


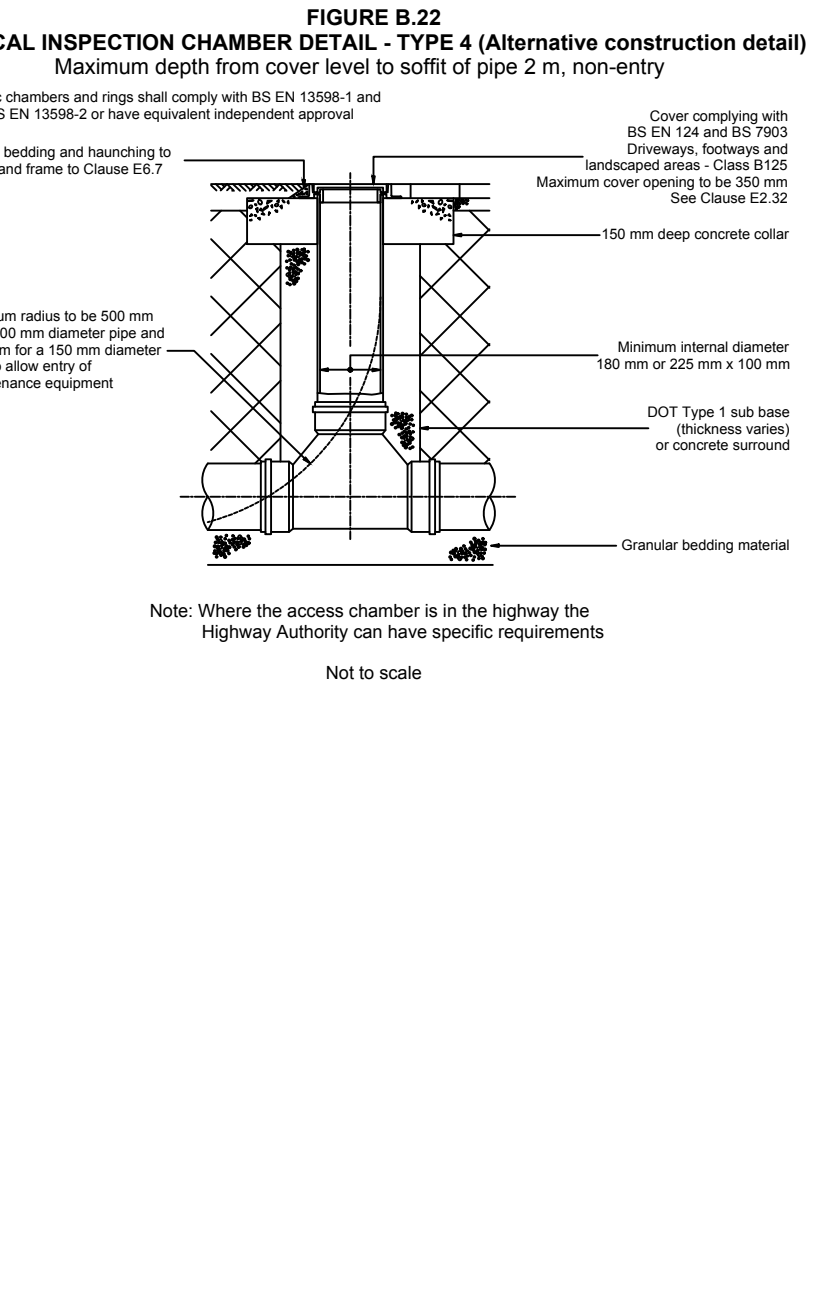
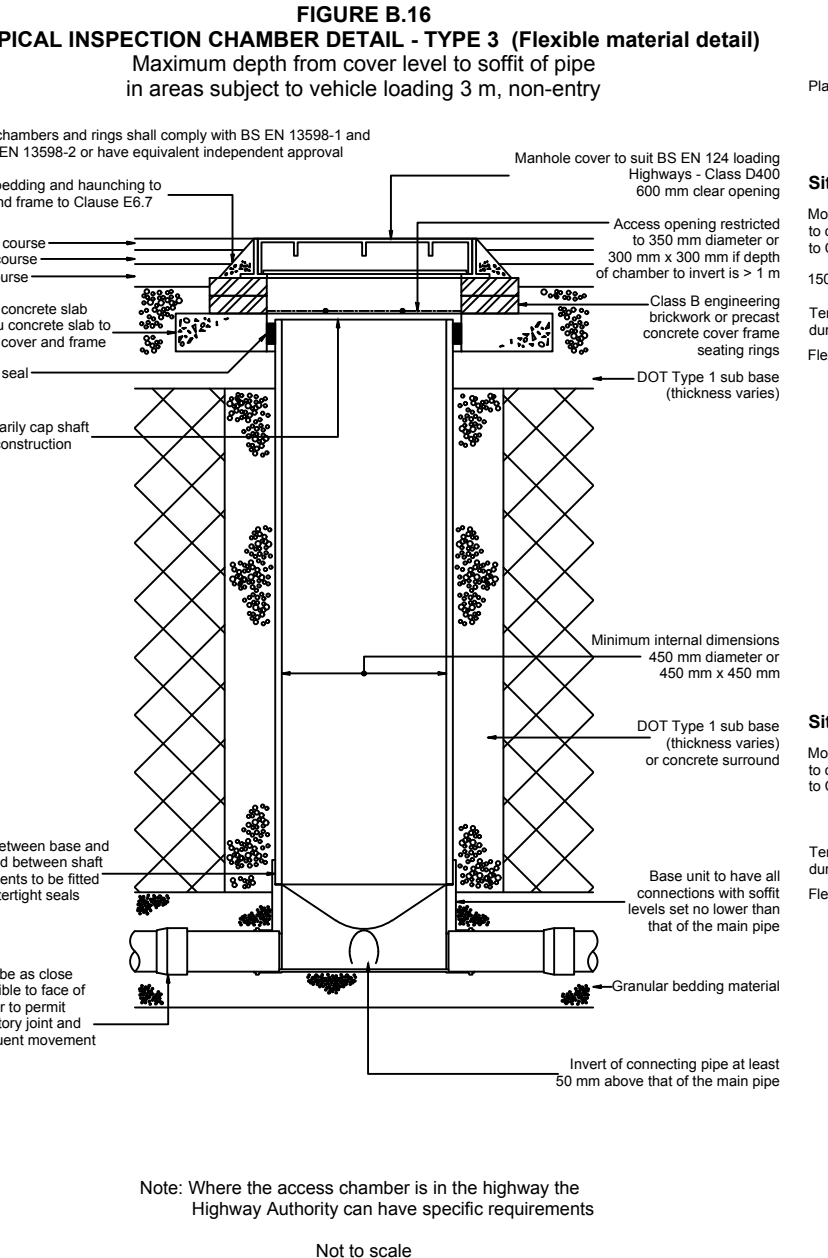
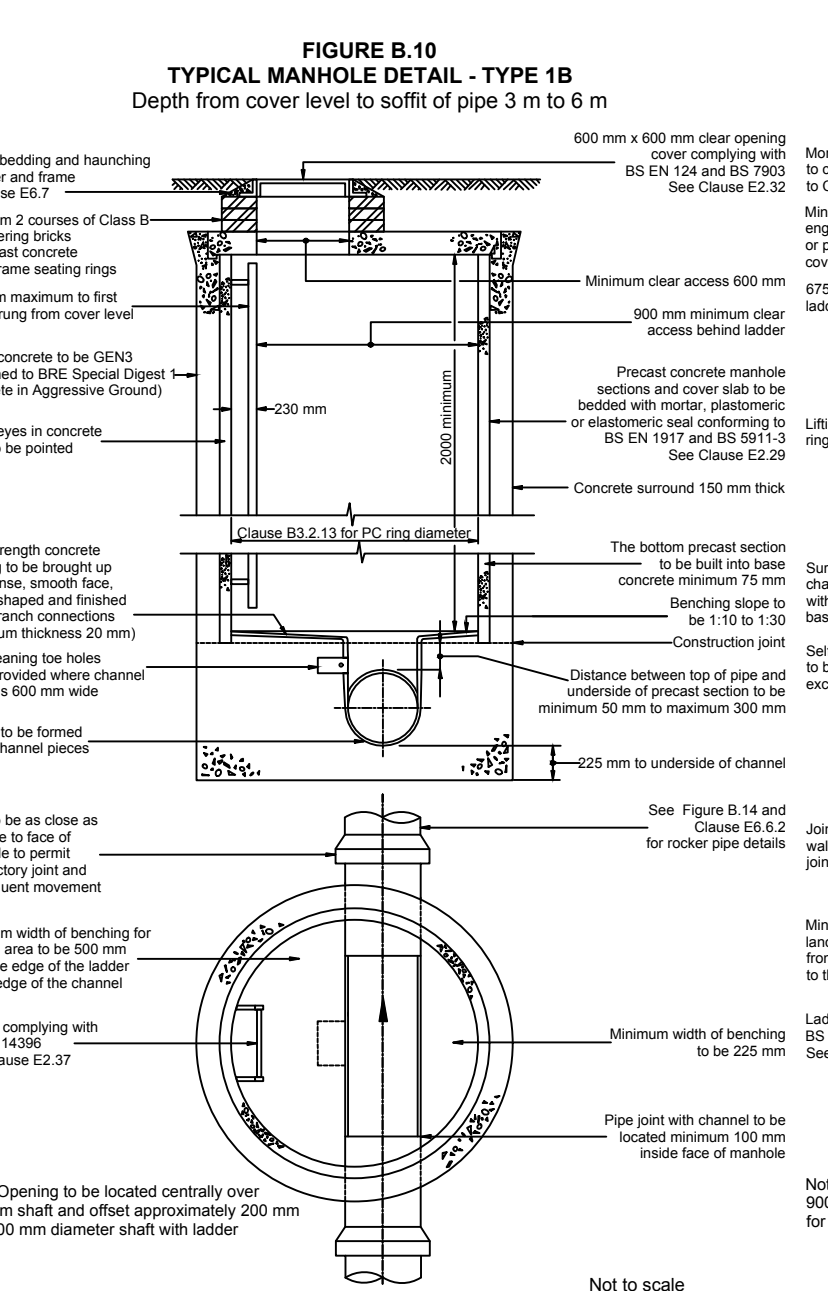
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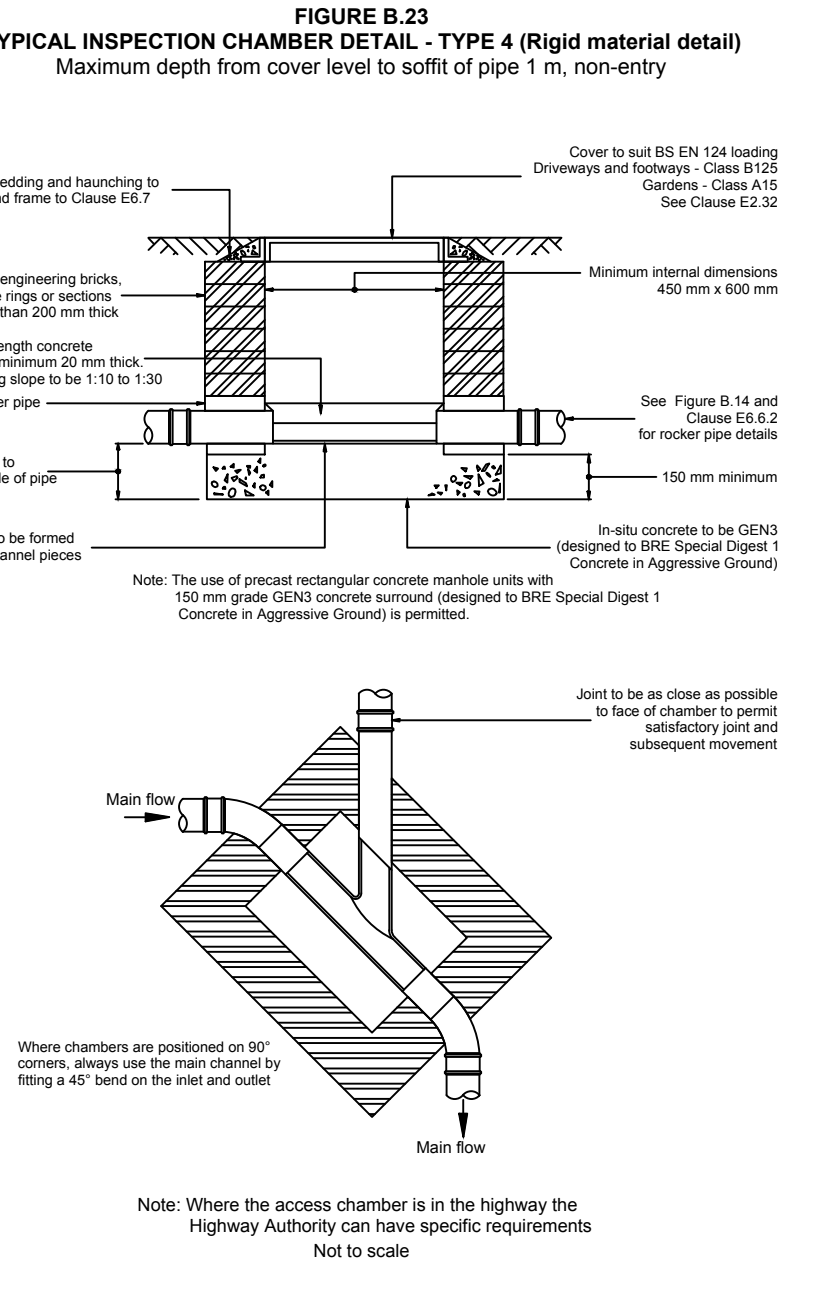
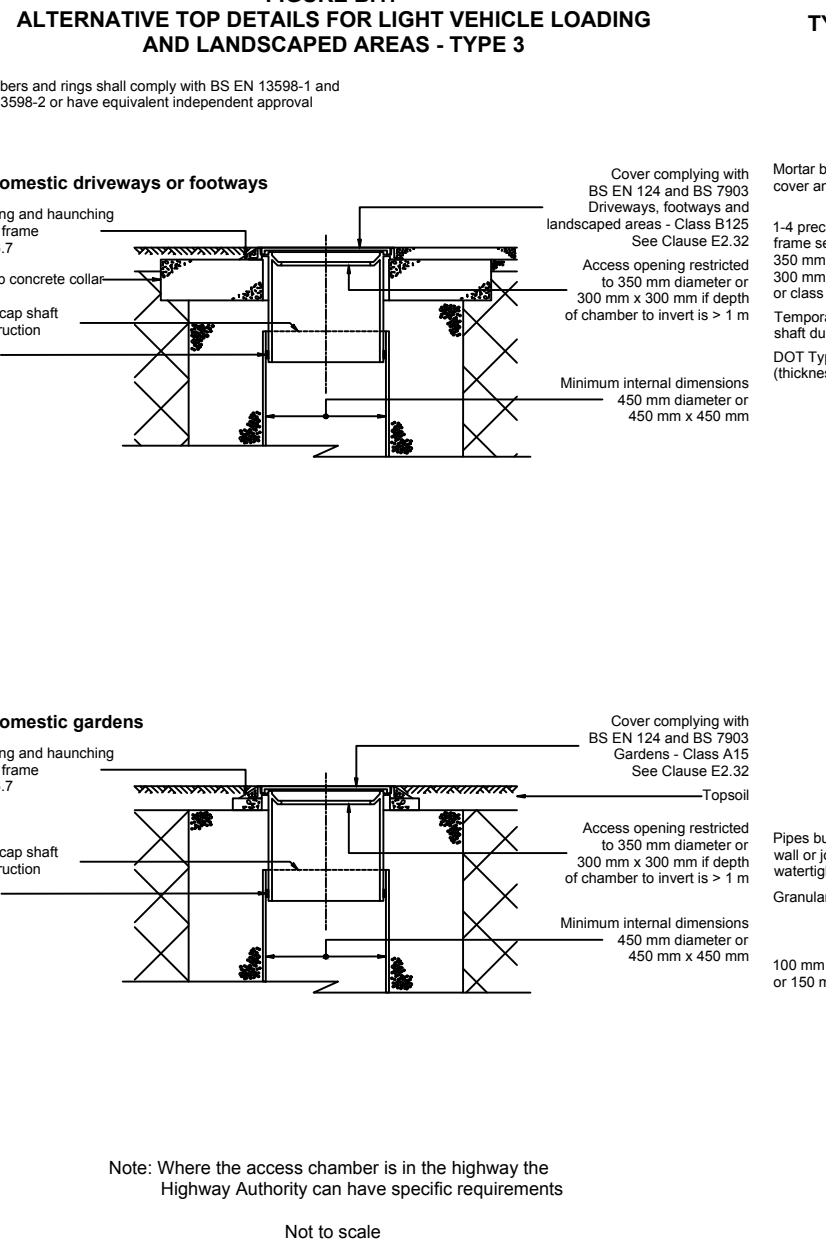
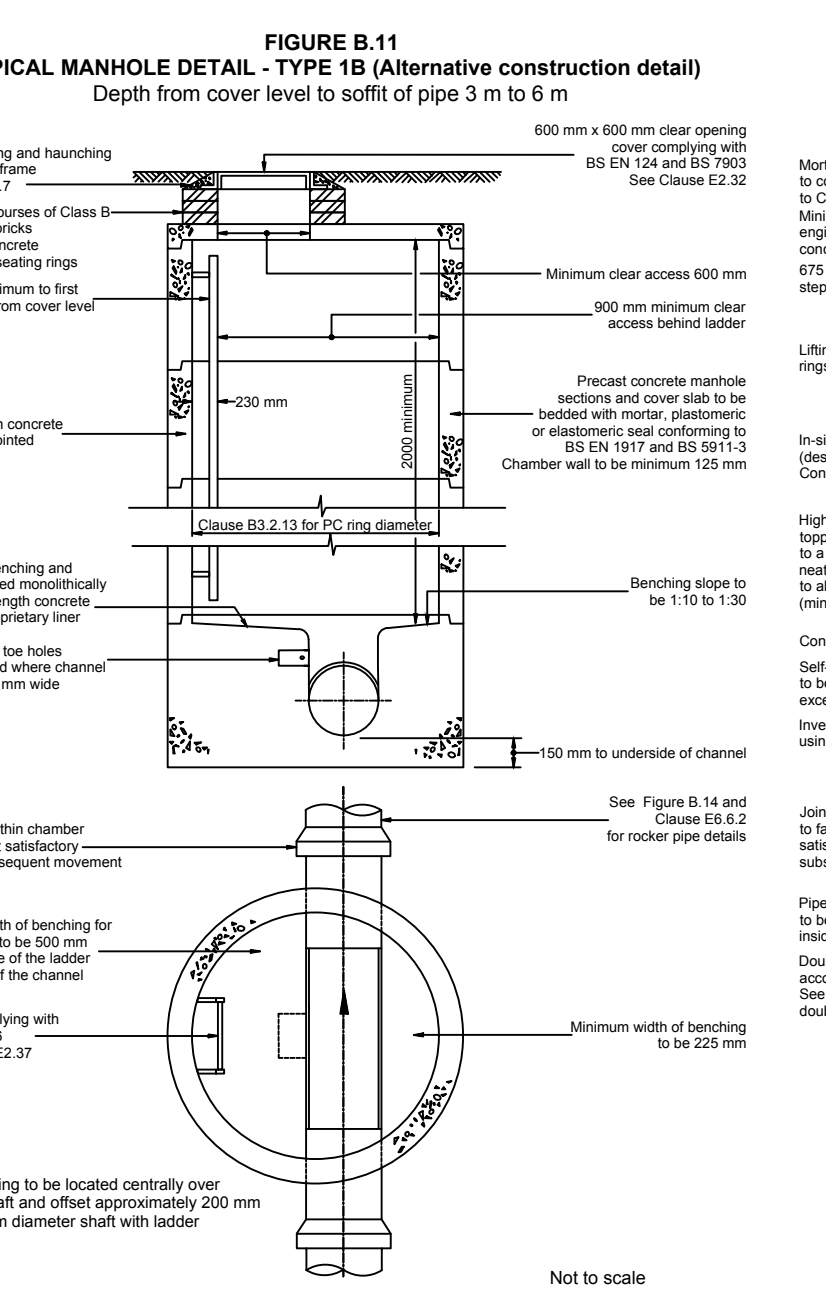
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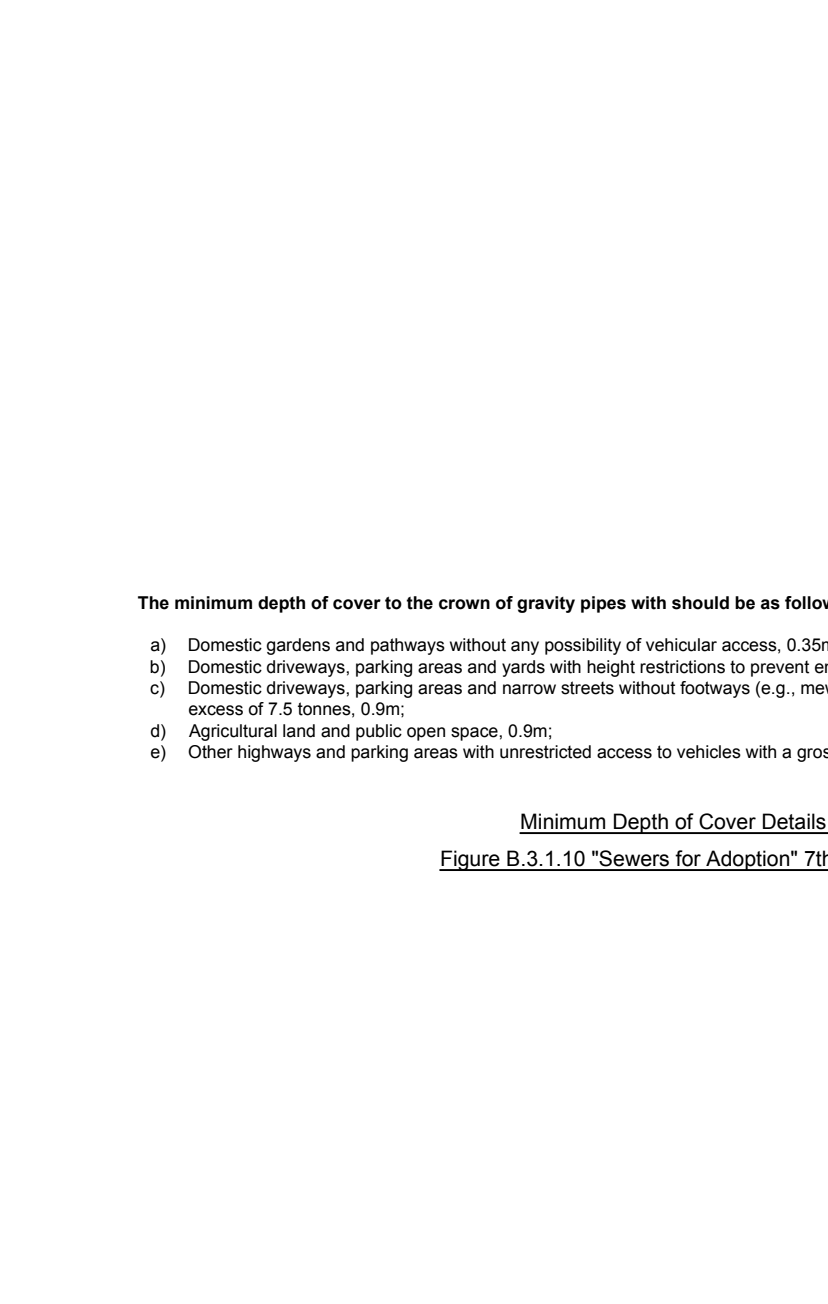
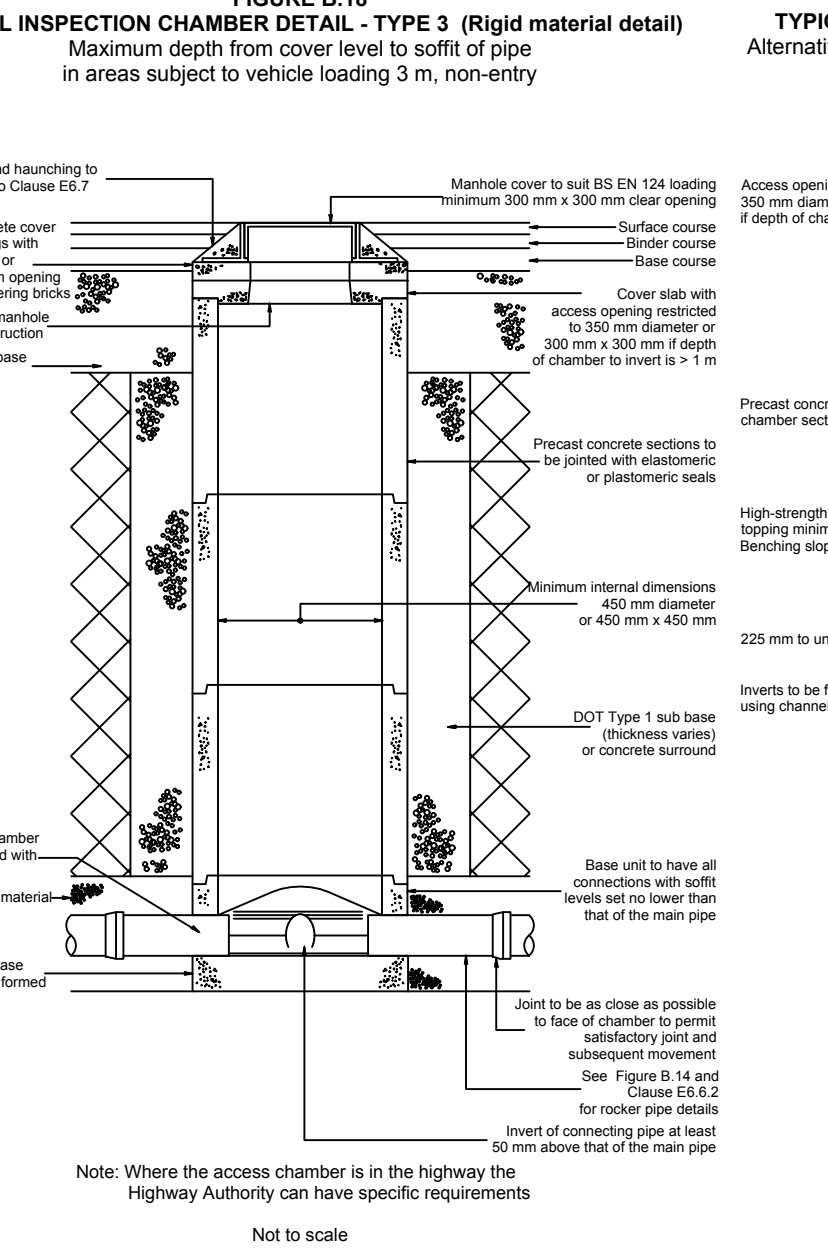
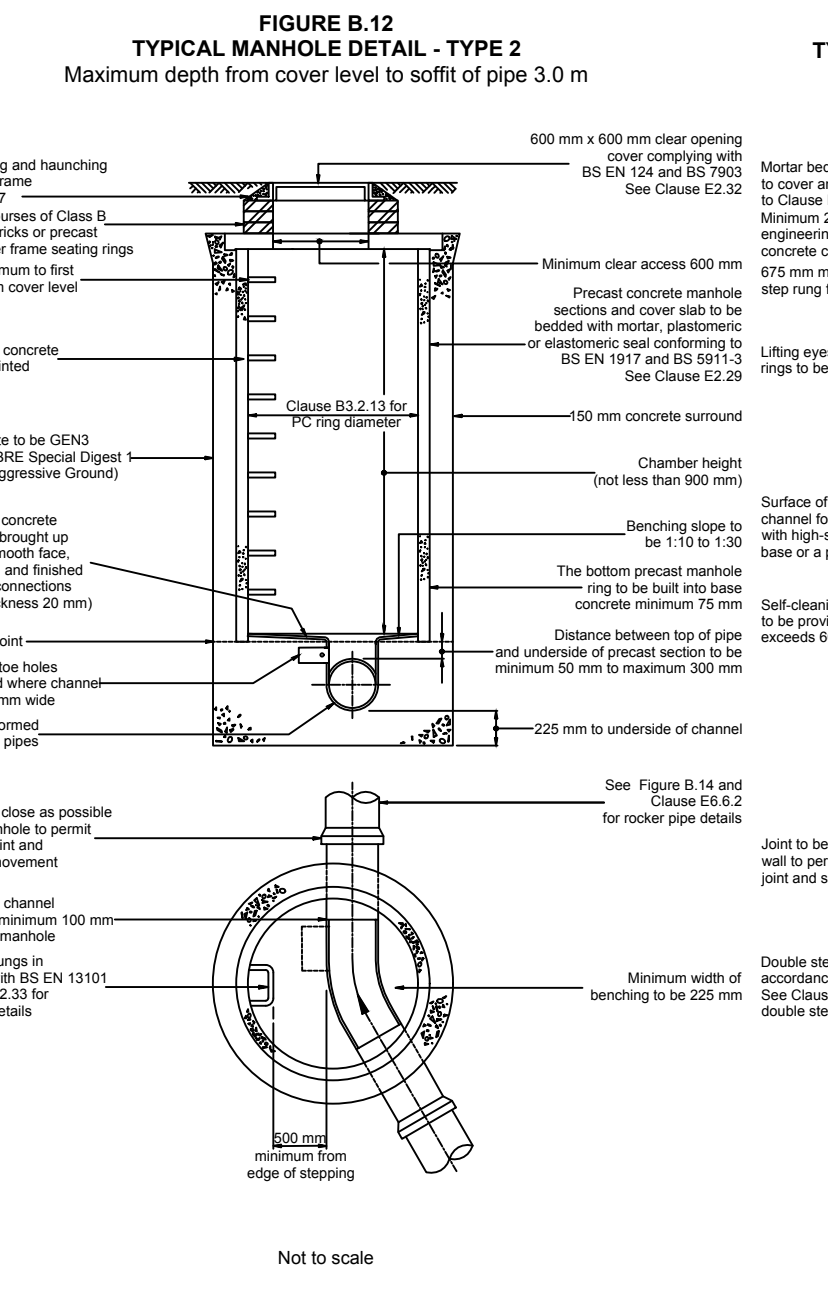
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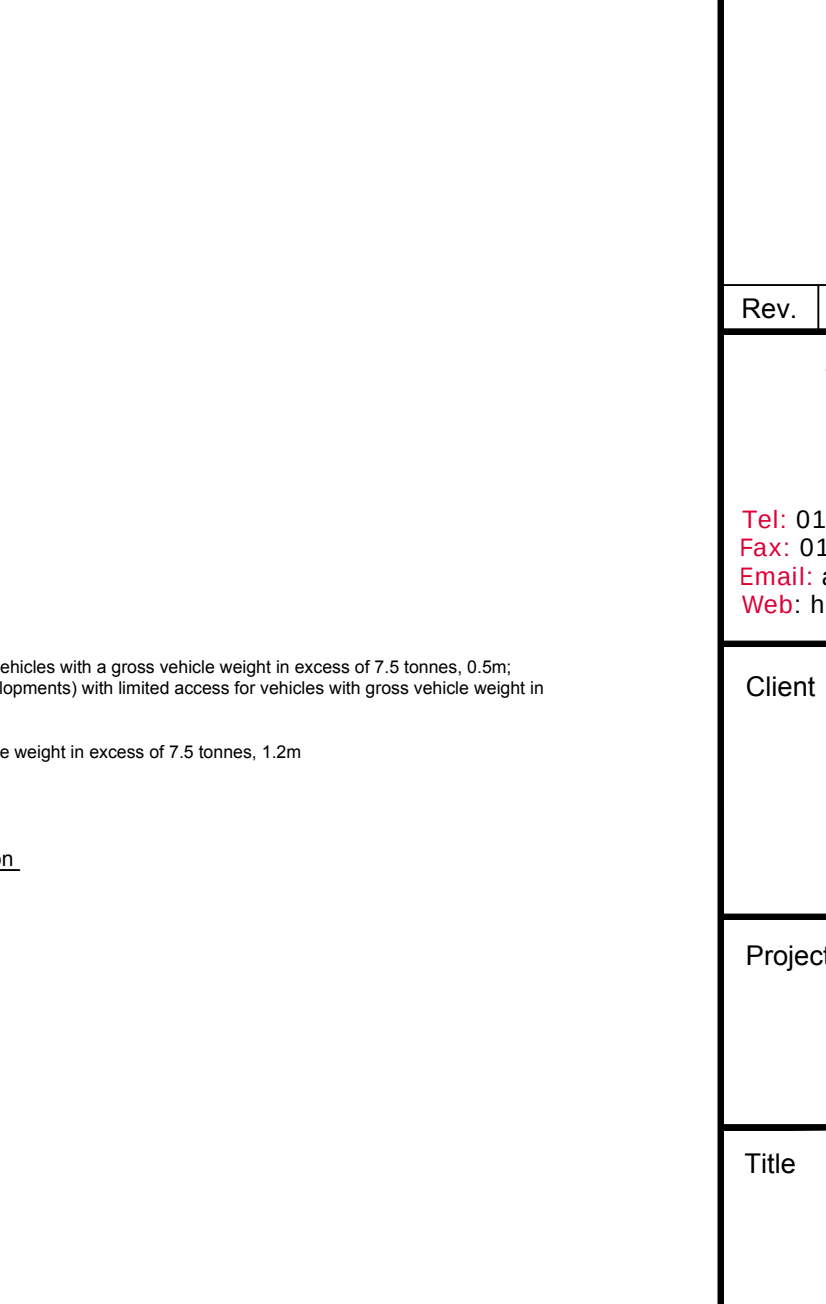
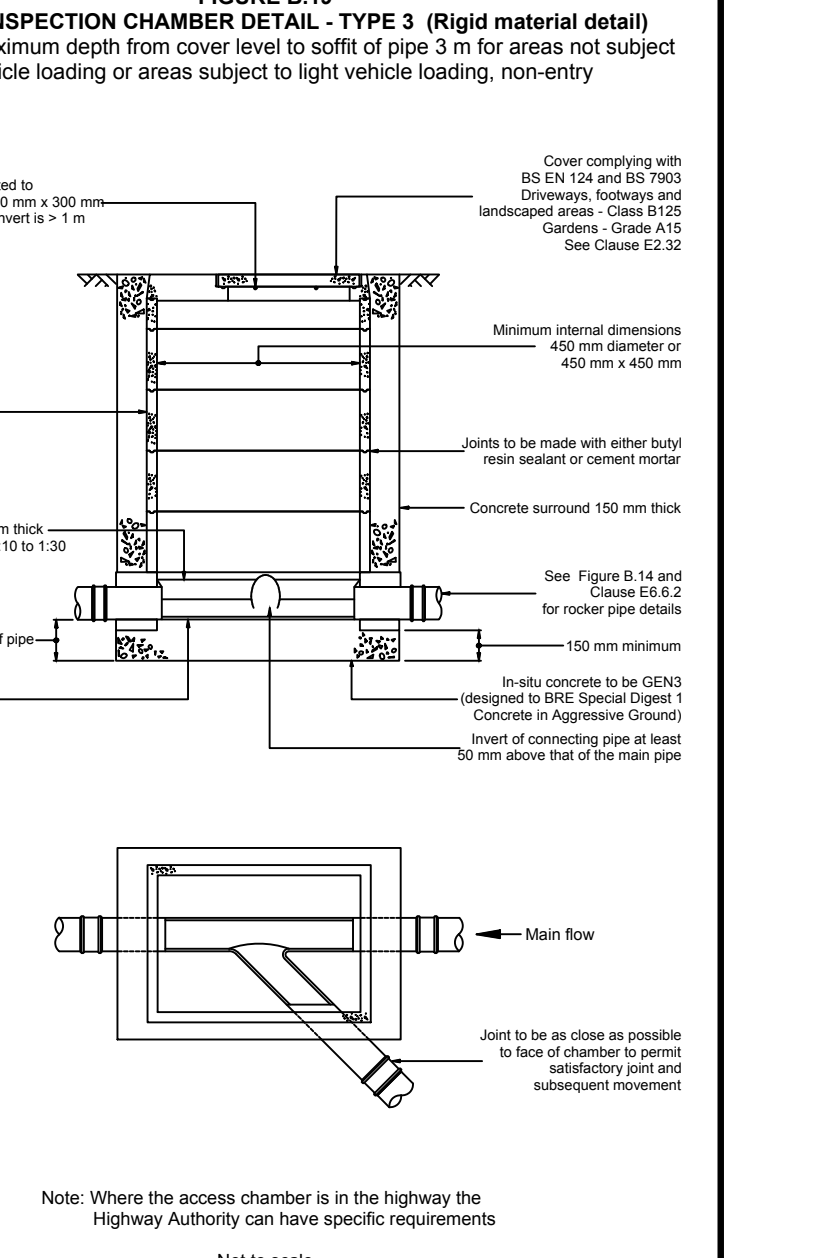
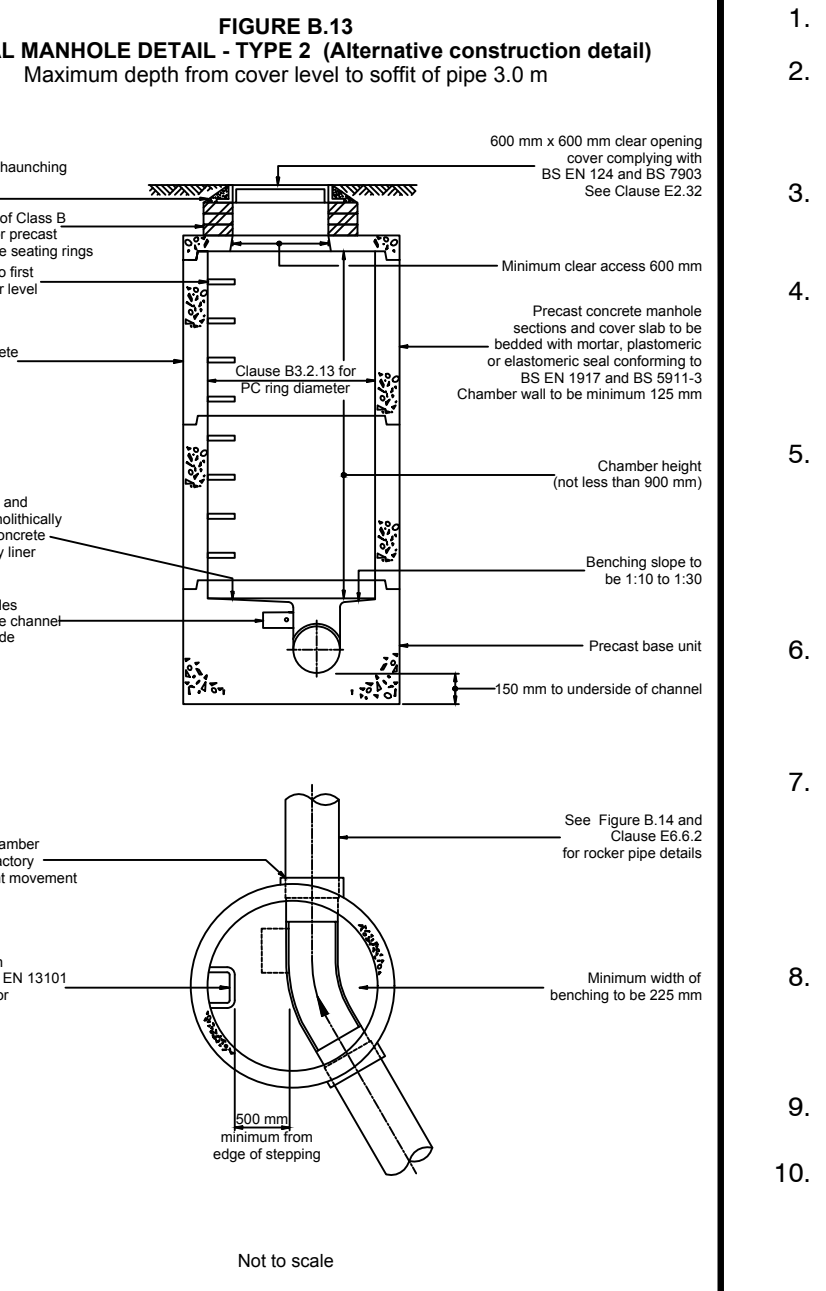
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NOTES

- All dimensions are in millimetres unless otherwise shown.
- All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition and Welsh Water Details and Guidelines.
- All private drainage works are to comply fully with Part H of the Building Regulations.
- All existing invert levels to be checked by the contractor at the start of works and with any other discrepancies notified to the Engineer prior to commencing works. All levels are based on topographical survey information provided by others.
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur to withstand a class 3 condition).
- All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or United Utilities as applicable.
- Where "Ultra Rib" UPVC pipes (or similar approved) are used in adoptable drainage they shall still be handled and laid in accordance with the specification and guidance issued by the High Performance Pipe Association. A Class S Bed and surround must be used for such pipes.
- Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
- Cover loadings shall be as detailed on the Manhole Schedule.
- Drain trenches should not be excavated lower than the foundations of any building nearby unless either:
 - The trench is within 1m of the foundation, the trench is filled with concrete up to the lowest level of the foundation, or
 - Where the trench is further than 1m from the building, the trench is filled with concrete to a level below the lowest level for the building equal to the distance from the build, less 150mm.

TENDER

Rev.	Date	Revision	By	Appd.
 chartered consulting engineers				
Tel: 01244 684910 Fax: 01244 684911 Email: admin@coopers.co.uk Web: http://coopers.co.uk				
Park House Sandpiper Court Chester Business Park Chester CH4 9QU				
Client				
GOWER HOMES				
Project				
WILLOW COTTAGE, RUABON.				
Title				
Drainage Construction Details Sheet 1 of 2				
DRAWING NUMBER				
7479 / 09-1				
SCALE at A1				
NTS				
DATE				
Oct 20				
DRAWN				
PW				
CHECKED				
AJ				
REVISION				
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