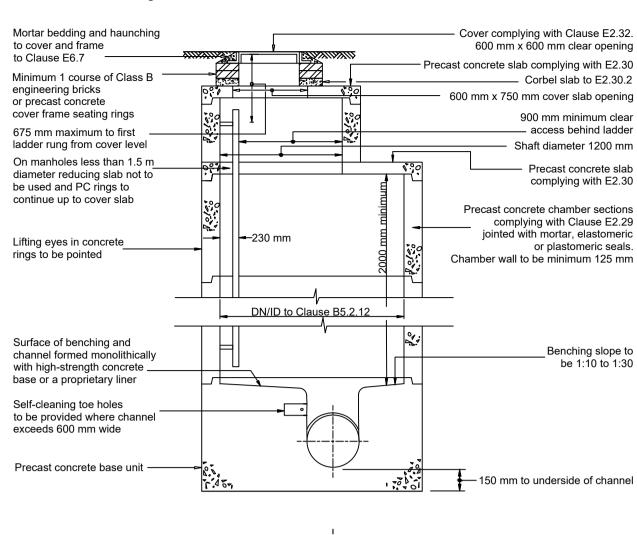
FIGURE B.4 TYPICAL MANHOLE DETAIL - TYPE A1

Depth from cover level to soffit of pipe 3 m to 6 m with ladder and reducing slab Rigid material construction without concrete surround

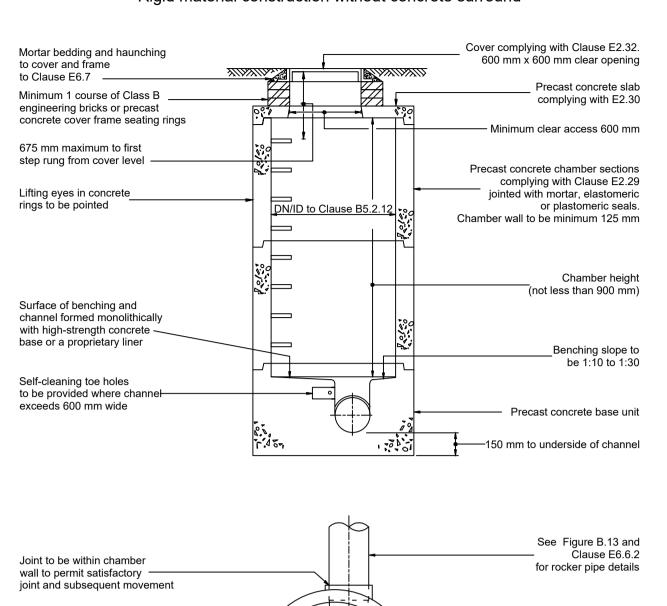


See Figure B.13 and Clause E6.6.2 Joint to be within chamber for rocker pipe details wall to permit satisfactory joint and subsequent movement Minimum width of benching for landing area to be 450 mm from the edge of the ladder to the edge of the channel (See Clause B5.2.29) Ladder complying with Clause E2.37 Minimum width of benching to be 225 mm Note: Opening to be located centrally over 900 mm shaft and offset approximately 200 mm for 1200 mm diameter shaft with ladder

Not to scale

FIGURE B.9 TYPICAL MANHOLE DETAIL - TYPE B

Depth from cover level to soffit of pipe 1.5 m to 3.0 m Rigid material construction without concrete surround



minimum from edge of stepping

(See Clause B5.2.29)

Minimum width of

Not to scale

benching to be 225 mm

FIGURE B.10 TYPICAL MANHOLE DETAIL - TYPE B Depth from cover level to soffit of pipe 1.5 m to 3.0 m

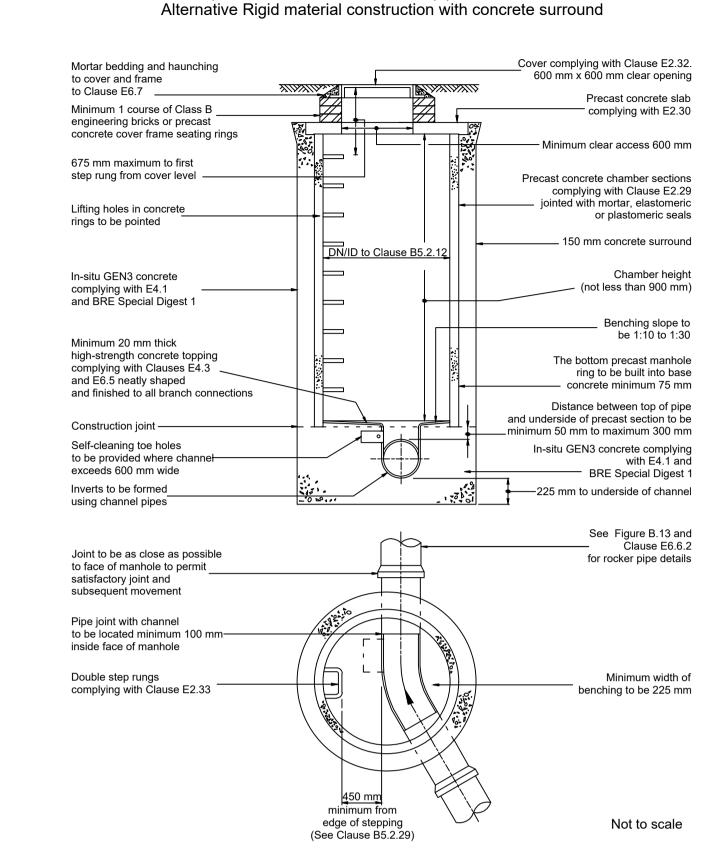
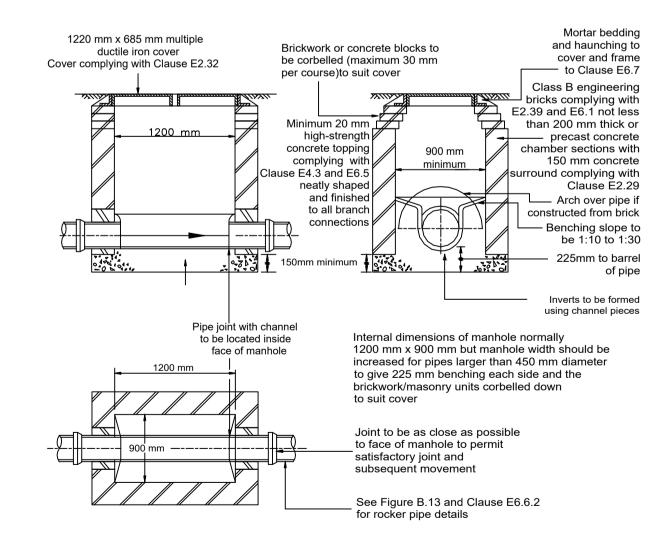


FIGURE B.14 TYPICAL MANHOLE DETAIL - TYPE C Depth from cover level to soffit of pipe less than 1.5 m Maximum pipe size 450 mm diameter Rigid material construction

minimum from edge of stepping



Note: The use of precast concrete chamber units to E2.29 with 150 mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

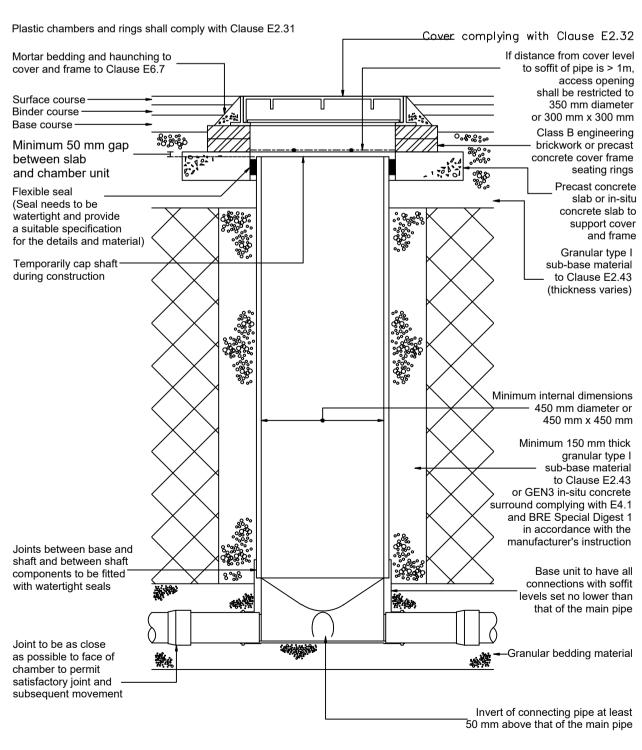
Not to scale

FIGURE B.18 TYPICAL INSPECTION CHAMBER DETAIL - TYPE D

Double step rungs complying with

Clause E2.33

Depth from cover level to soffit of pipe up to 2 m Flexible material construction for use in areas subject to vehicle loading

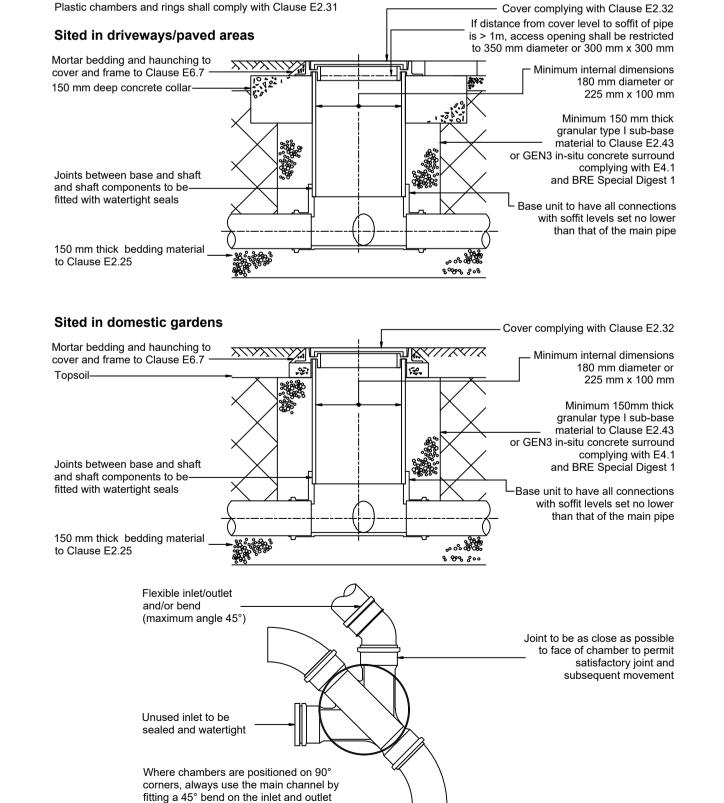


Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

Not to scale

FIGURE B.23 TYPICAL INSPECTION CHAMBER DETAIL - TYPE E Depth from cover level to soffit of pipe up to 2 m

Flexible material construction



Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

Not to scale

NOTES:

All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.

This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.

3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.

4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

5. All pipes, bends and junctions shall be vitrified clay to BS EN 295-1, with flexible joints and kitemark certified. Alternatively all pipes and fittings can be UPVC conforming to BS EN 1401-1 and shall be laid in accordance with the manufacturers specification. If UPVC pipes are to be used then the manufacturer shall be approved by the Engineer prior to construction.

6. All Adoptable sewers shall be in strict accordance with the current edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class S bedding. Where the depth to soffit is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class Z bedding.

7. All private building drainage shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class B bedding unless otherwise specified.

8. Where the service trench is near to the foundation of any building, refer to the guidance in Approved Document H, Building Regulations Part H1.

9. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm thick granular material.

10. In any circumstances where pipes are bedded and surrounded in

concrete flexible joints should be provided. Compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.

12. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.





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Rydon Homes Ltd / Gleeson Land

PROJECT

Land North Of Water Lane, Angmering

Construction Details
Drainage

M Pacifico Dec 2021

S Magowan

SCALE

As Shown @ A1

ARUN DISTRICT COUNCIL A/256/21/RES