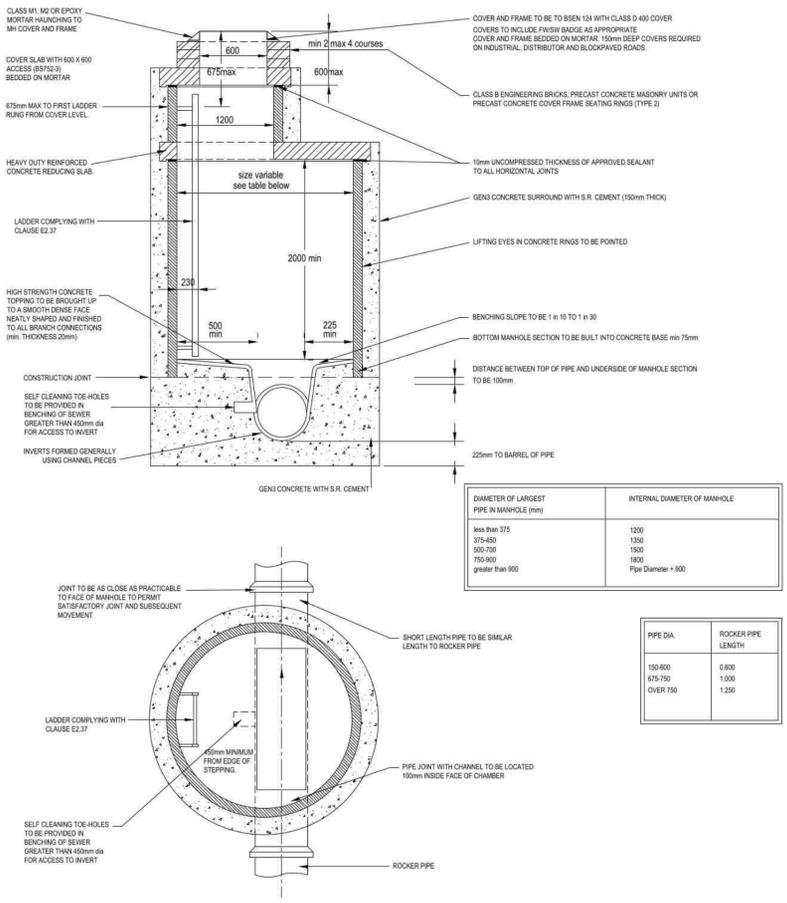


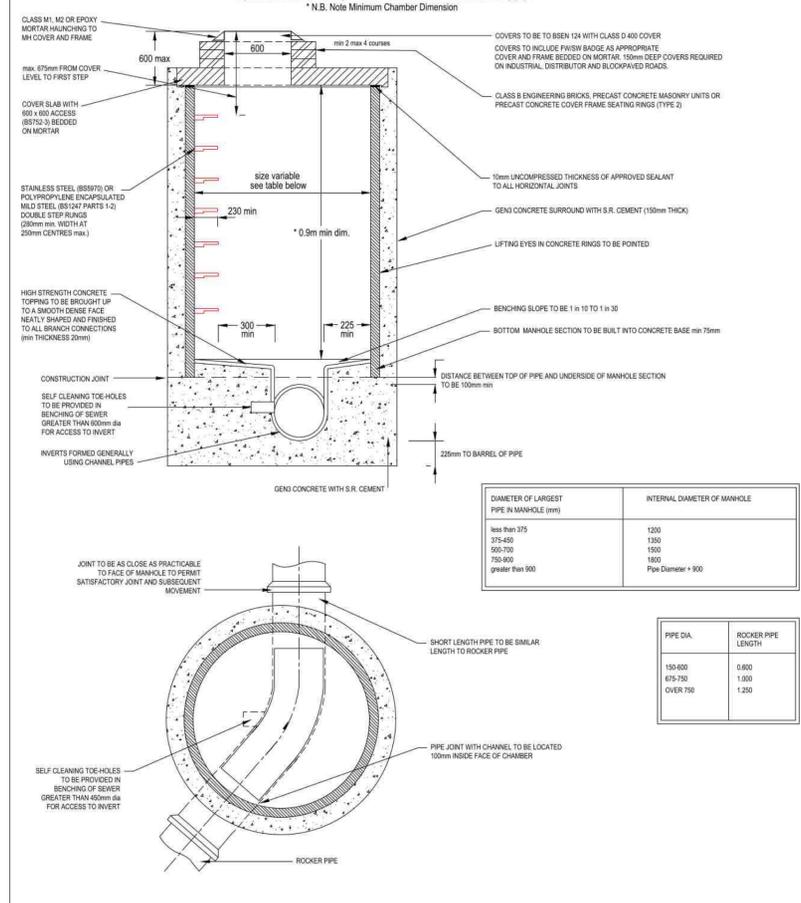
TYPICAL MANHOLE DETAIL - TYPE A

depth to soffit less than 3m to 6m (measured from finished cover level to soffit of pipe).

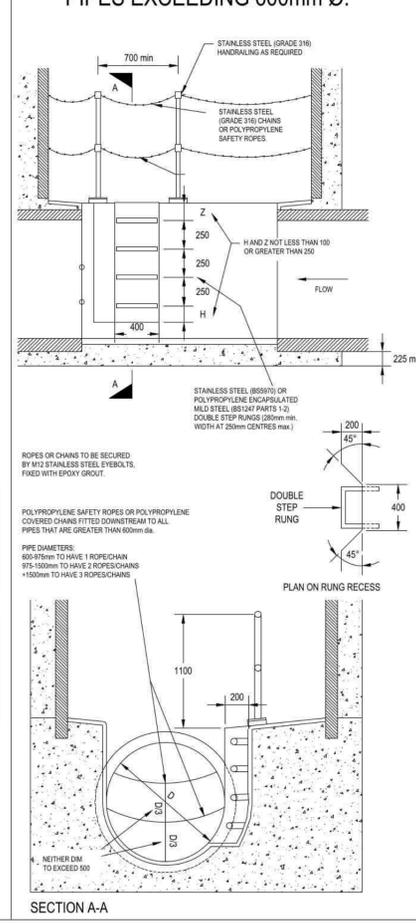


TYPICAL MANHOLE DETAIL - TYPE B

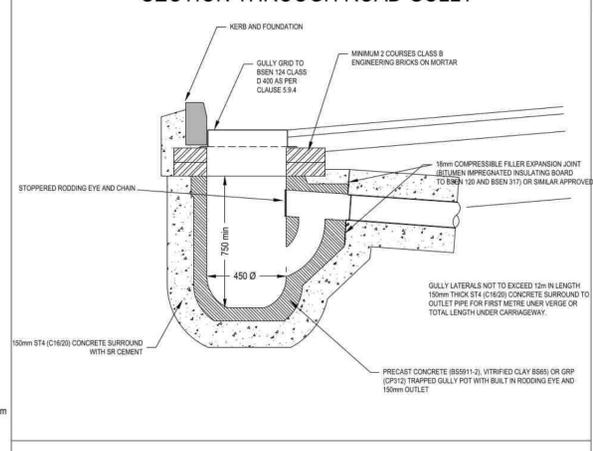
depth to soffit less than 3.0m (measured from finished cover level to soffit of pipe). *N.B. Note Minimum Chamber Dimension



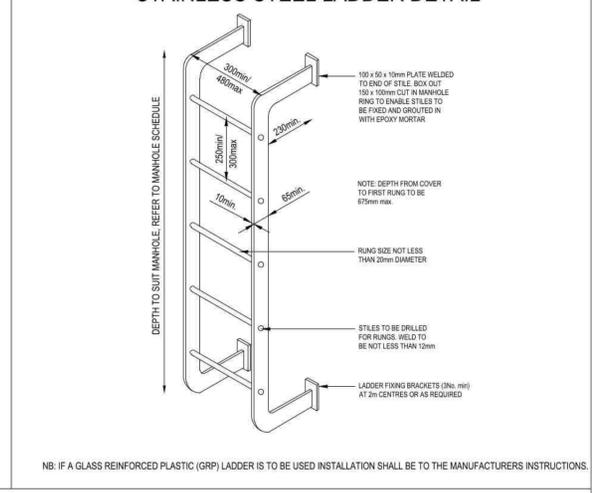
ACCESS TO INVERT FOR PIPES EXCEEDING 600mm Ø.



SECTION THROUGH ROAD GULLY



STAINLESS STEEL LADDER DETAIL



NOTES:

MANHOLES WITH AN INCOMING SEWER OF 900mm DIAMETER AND OVER TO BE AS APPROVED BY THE WATER AUTHORITY

CHAMBERS WITH OUTGOING PIPES GREATER THAN 600mm DIAMETER SHALL BE FITTED WITH STAINLESS STEEL SAFETY CHAINS TO SDS/05 OR POLYPROPYLENE SAFETY ROPES

ALL PRECAST CONCRETE PRODUCTS TO CONTAIN A MINIMUM CLASS 3 SULPHATE RESISTANT CEMENT.

ALL SEWERS PROPOSED FOR ADOPTION UNDER A SECTION 104 AGREEMENT OF THE WATER INDUSTRY ACT 1991 TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROCEDURES AND SPECIFICATIONS OF SEWERAGE SECTOR GUIDANCE (SSG) V1 (OCTOBER 2019) AND DESIGN AND CONSTRUCTION GUIDANCE (DCG) V2.0 (MARCH 2020).

FOUL BRANCH CONNECTIONS TO BE 100mm dia. LAID NO FLATTER THAN 1:80 WHERE SERVING 2 PLOTS OR LESS AND 150mm dia. LAID NO FLATTER THAN 1:150 WHERE SERVING 10 PLOTS OR MORE (UNLESS OTHERWISE STATED).

ALL SEWERS AND LATERAL DRAINS WITHIN DOMESTIC CURTAGE OF DIAMETER 100mm AND 150mm TO BE EITHER GLAY PIPES EXCEPT FOR PVC-U TO BS EN 1401-1:1998 & BS 4660:2000.

ALL PIPEWORK TO BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED. ALL PIPES 100mmØ & 150mmØ TO BE PROVIDED WITH CLASS 3 BEDDING (14mm - 5mm GRAVEL BED AND SURROUND). ALL PIPES 100mmØ & 150mmØ WITH COVER LESS THAN 1.2m TO BE PROVIDED WITH CONCRETE PROTECTION.

PRECAST CONCRETE PRODUCTS AND IN-SITU CONCRETE TO CONTAIN A MINIMUM CLASS 3 S.R.C.

STRUCTURAL CONCRETE TO BE IN ACCORDANCE WITH BS 5338 AND NOT TO BE LESS THAN GRADE FNDZ WHEN REINFORCED AND GEN 3 IN ALL OTHER SITUATIONS.

CAST CONCRETE SHALL BE FINISHED TO PRODUCE A 'FAY' SURFACE (WHERE EXPOSED) AND SHALL HAVE A 'ROUGH' FINISH IN ALL OTHER SITUATIONS. STEELWORK SHALL BE IN ACCORDANCE WITH BS4483.

ALL MANHOLE COVERS TO BE 600x600 CLEAR OPENING IN ACCORDANCE WITH B.S. EN124 CLASS D400 AND EMBOSSED FW.

MANHOLES ON SEWERS 600mm DIAMETER AND GREATER TO BE FITTED WITH SAFETY CHAINS TO AWS DRG SDS/05.

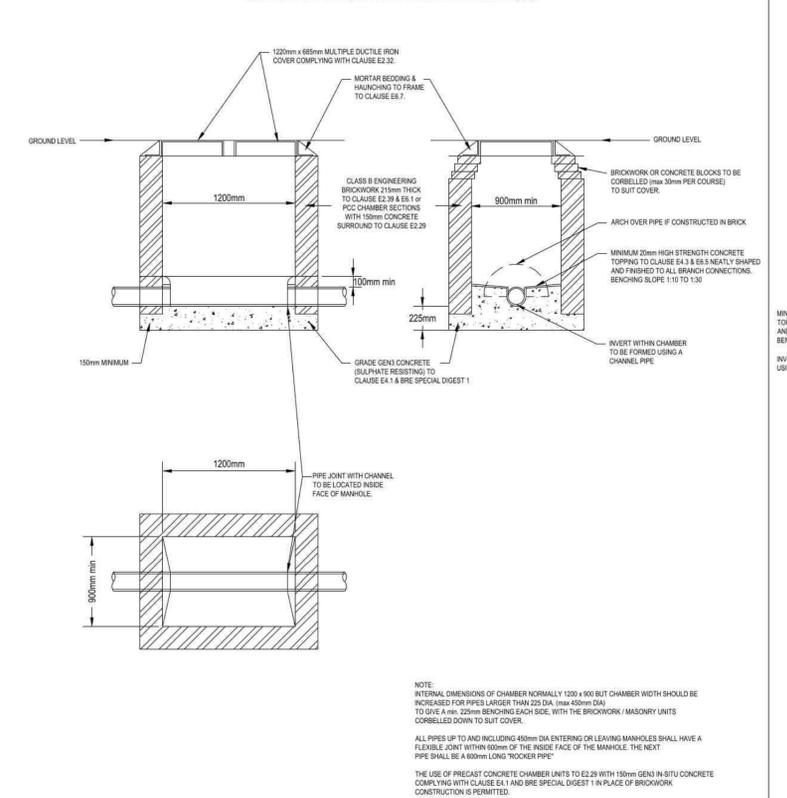
THE FIRST MANHOLE UPSTREAM FROM THE CONNECTION TO THE (EXISTING) PUBLIC SEWER SHOULD, WHEN CONSTRUCTED, BE FITTED WITH A SCREEN IN ORDER TO PREVENT CONSTRUCTION DEBRIS ENTERING THE PUBLIC SEWER. THE SCREEN SHOULD NOT BE REMOVED UNTIL IMMEDIATELY PRIOR TO THE OCCUPATION OF THE FIRST DWELLING TO BE SERVED BY THE SEWER.

ALL GULLIES WITHIN THE HIGHWAY SHALL CONFORM TO BS EN124 GRP 4 (CLASS D400). ALL GULLIES SHALL BE HINGED BUT NON-REMOVABLE AND SHALL HAVE A NOMINAL WIDTH OF 450mm WITH A MINIMUM AREA OF WATERWAY OF 900cm² FOR CARRIAGEWAYS AND A CLEAR OPENING OF AT LEAST 300mm x 300mm FOR FOOTWAYS. THE UPPER SURFACE OF GULLY GRATINGS SHALL BE FLAT AND SLOTS IN GRATINGS OR BETWEEN GRATINGS AND FRAMES SHALL NOT BE ORIENTATED PARALLEL TO THE DIRECTION OF TRAFFIC EXCEPT WHERE THE SLOTS ARE LESS THAN 150mm LONG OR LESS THAN 20mm WIDE. WHERE GRADIENTS ARE STEEPER THAN 1:50, STORM PATTERN GRIDS SHALL BE PROVIDED.

GULLIES WITHIN SHARED SURFACE (BLOCK PAVED) AREAS SHALL BE FITTED WITH CROSS-HATCH COVERS SUCH AS CLARK DRAIN 185mmØ OR SIMILAR.

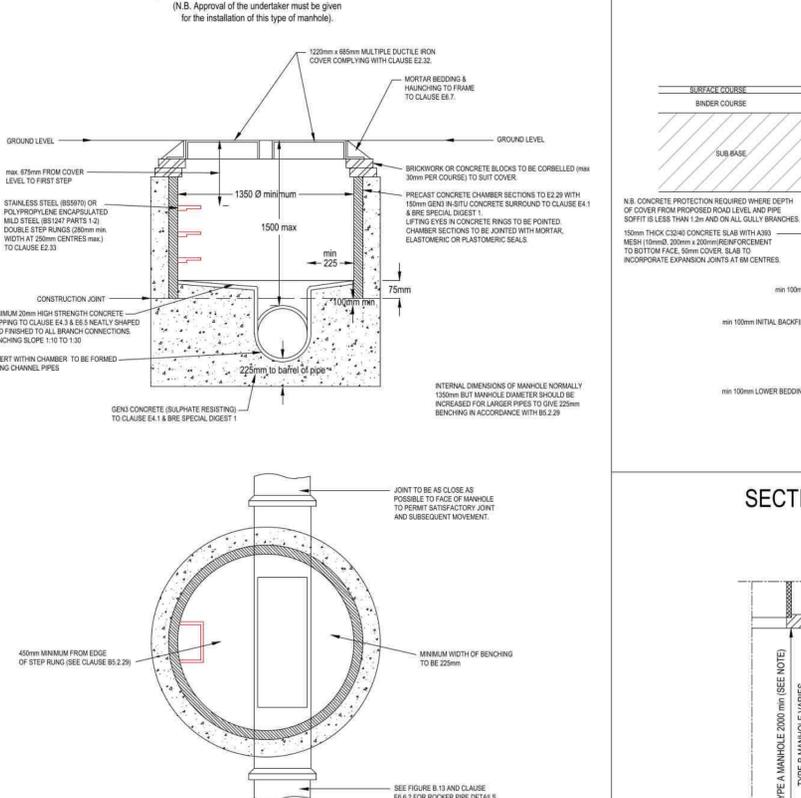
TYPICAL MANHOLE DETAIL - TYPE C (rectangular option)

depth to soffit less than 1.5m (measured from finished cover level to soffit of pipe).

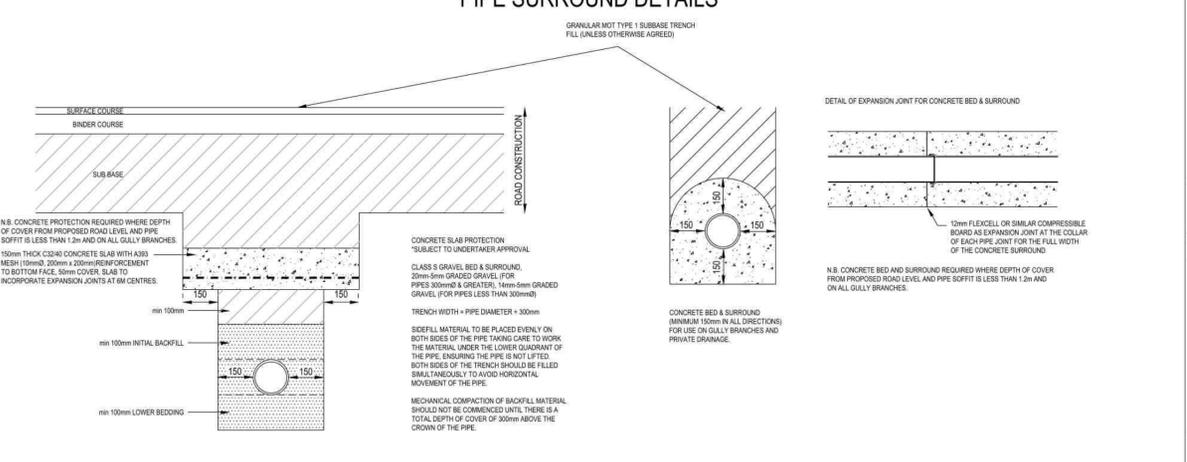


TYPICAL MANHOLE DETAIL - TYPE C (circular option)

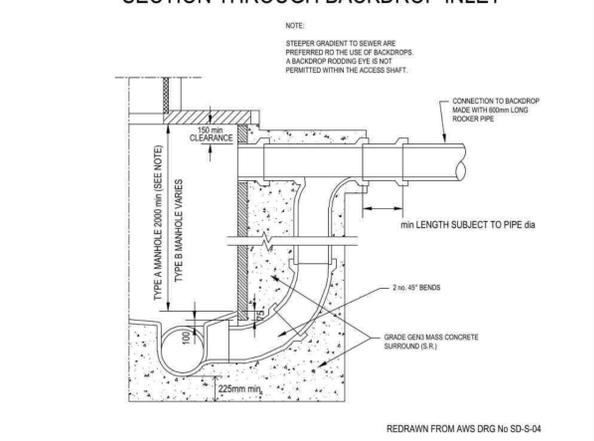
depth from finished cover level to soffit of pipe less than 1.50m (N.B. Approval of the undertaker must be given for the installation of this type of manhole)



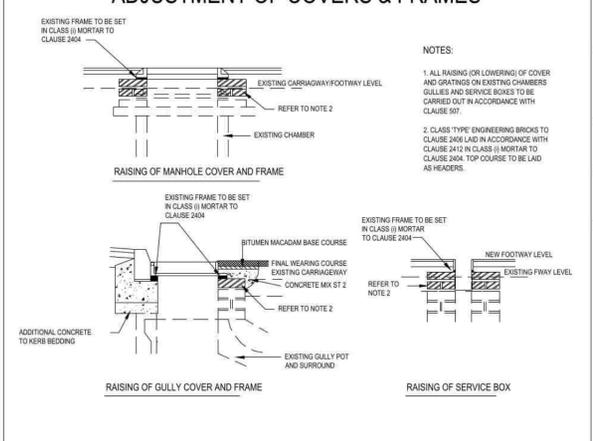
PIPE SURROUND DETAILS



SECTION THROUGH BACKDROP INLET



ADJUSTMENT OF COVERS & FRAMES



DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. CHECK ON SITE AND ALL DISCREPANCIES TO BE REPORTED TO HALL Infrastructure DESIGN LTD.

AMENDMENTS:

REF.	DESCRIPTION.	DATE.	BY.
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CLIENT:
Cyden Homes Ltd

PROJECT:
Tyton Lane East
Wyberton
Boston

TITLE:
SSG and DCG Specification
Manhole, gully & bedding details

SCALE: N.T.S. **DATE:** February 2023 **SIZE:** A1

DRAWING No: 2001110 **DRAWN BY:** *[Signature]* **CHECKED BY:** *[Signature]*

HALL
INFRASTRUCTURE DESIGN LTD.

Silverdale, 116 Humberston Avenue,
Humberston, N E Lincs., DN36 4SU
Tel: 01472 814137 Mob: 07891 503179
email: hall.design@btinternet.com
website: www.hall-infrastructure-design.co.uk