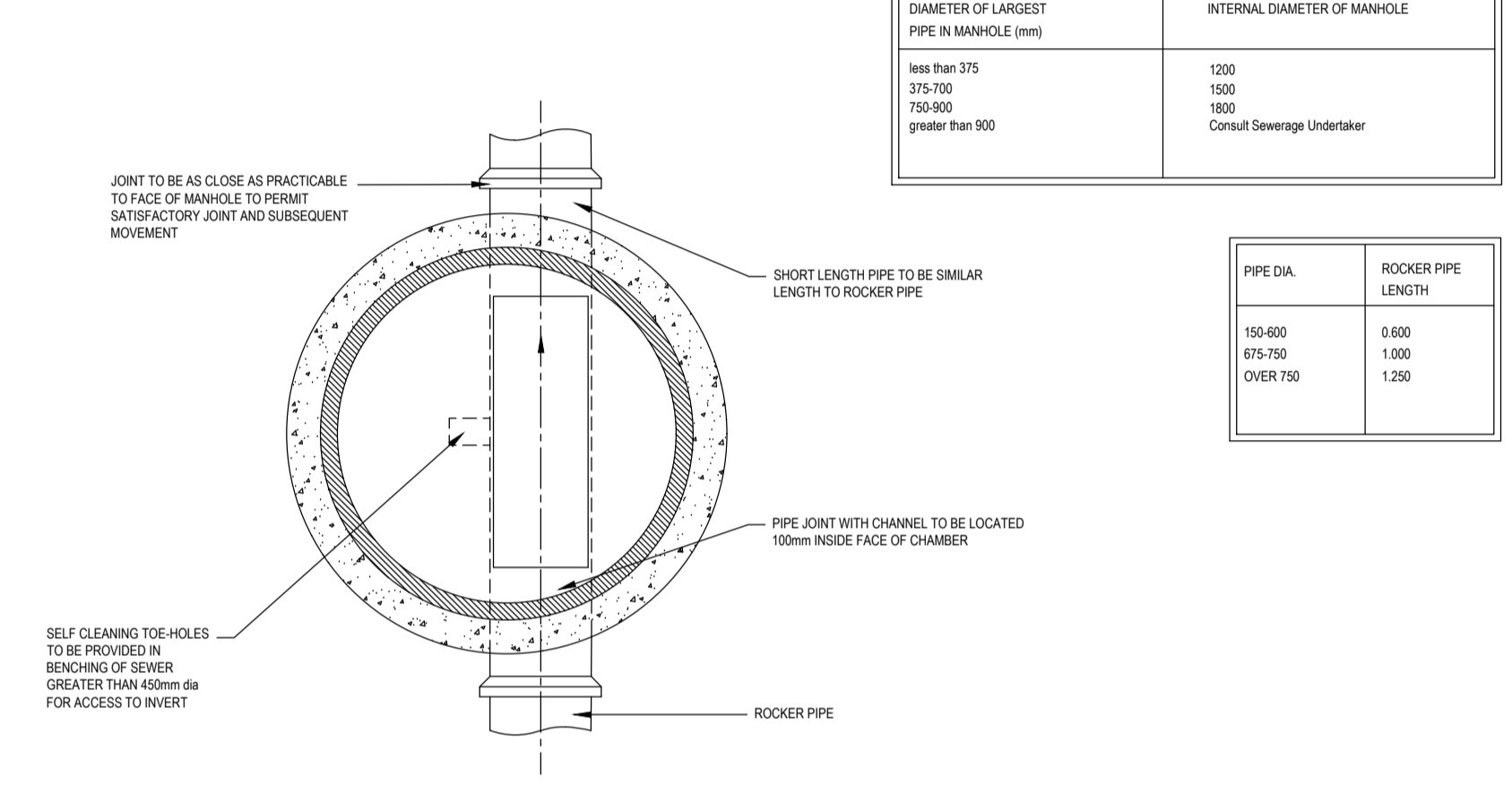
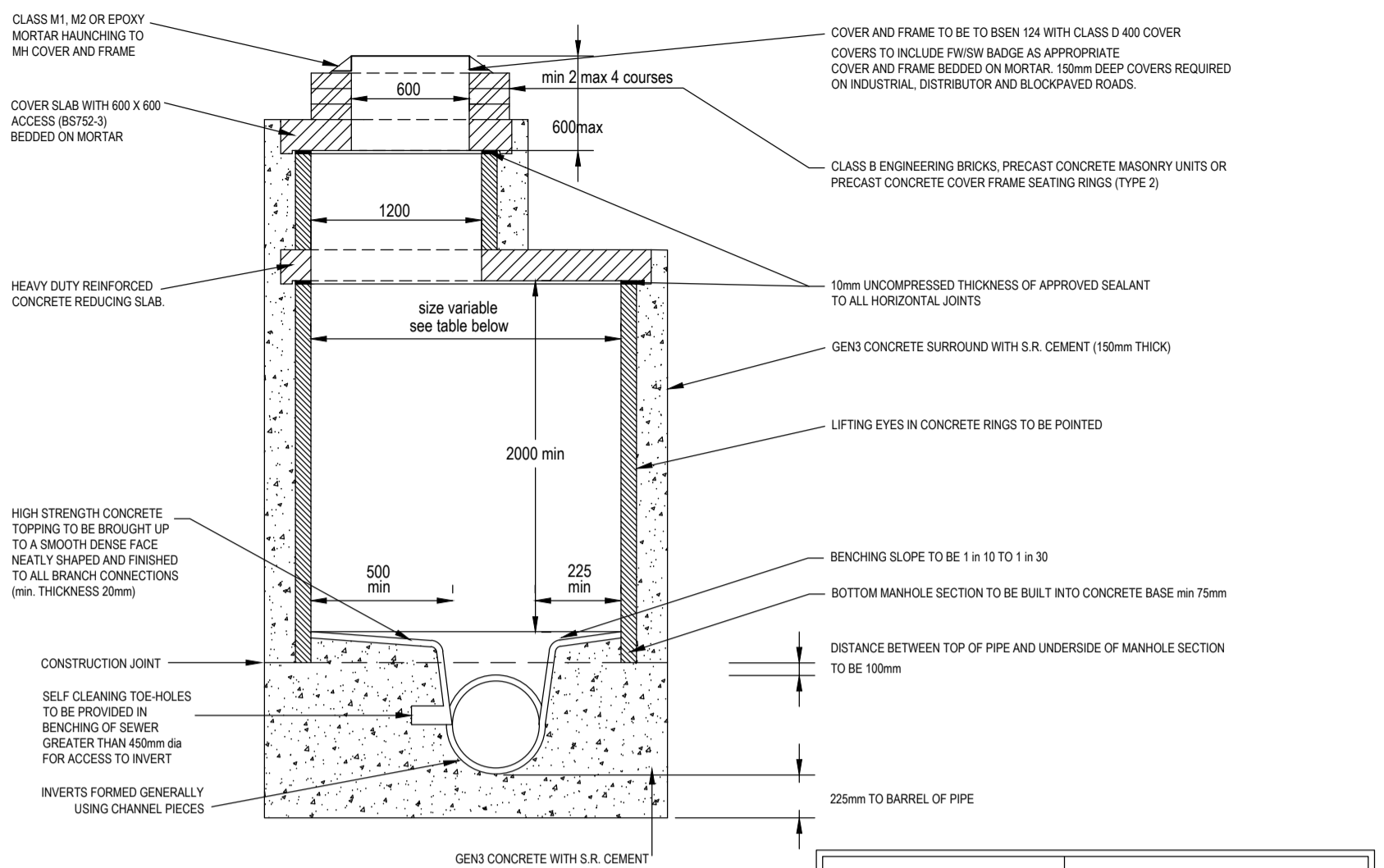


TYPICAL MANHOLE DETAIL - TYPE A

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

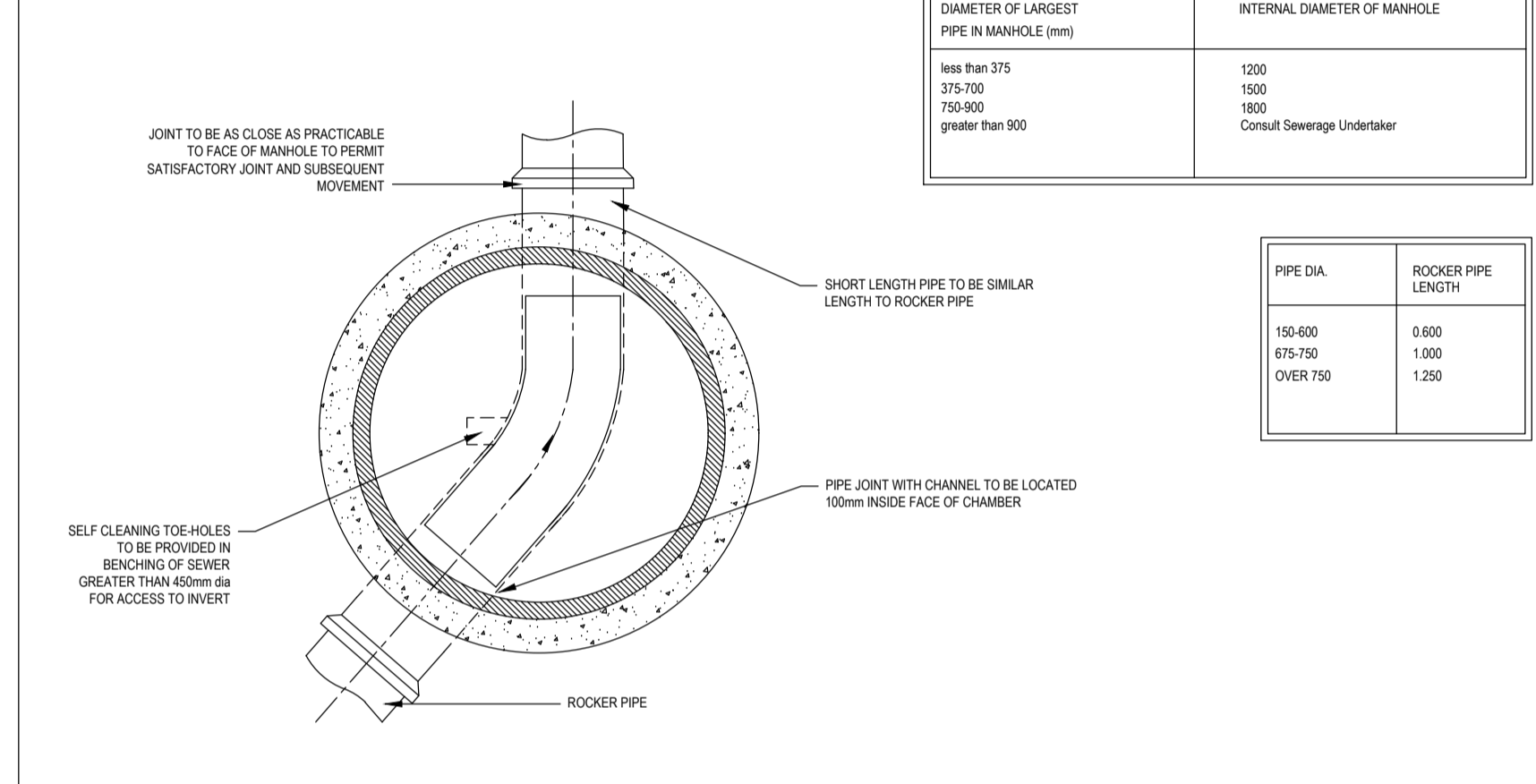
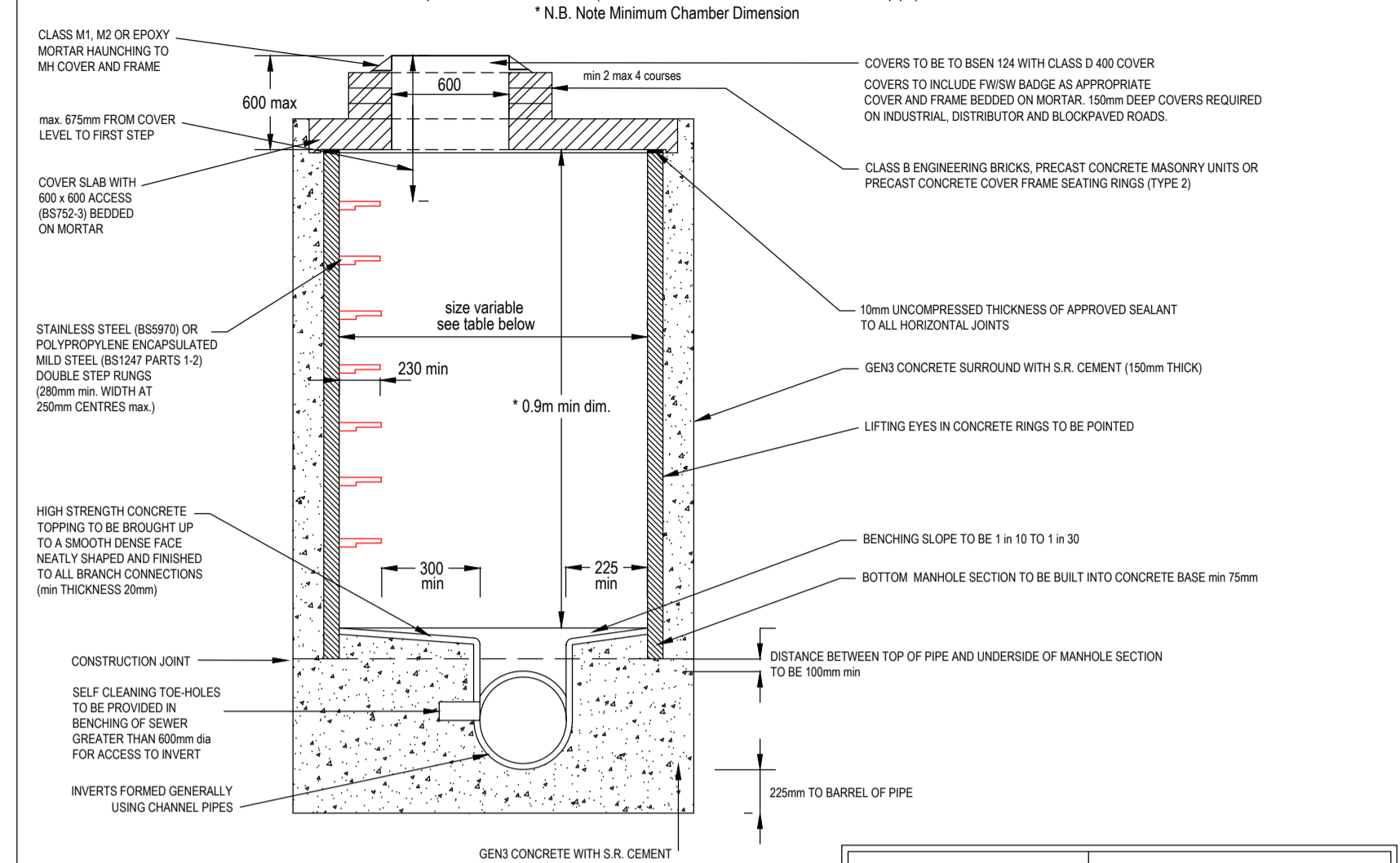


DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE
less than 375	1200
375-750	1500
750-900	1800
greater than 900	Consult Sewerage Undertaker

PIPE DIA.	ROCKER PIPE LENGTH
150-400	0.600
475-750	1.000
OVER 750	1.200

TYPICAL MANHOLE DETAIL - TYPE B

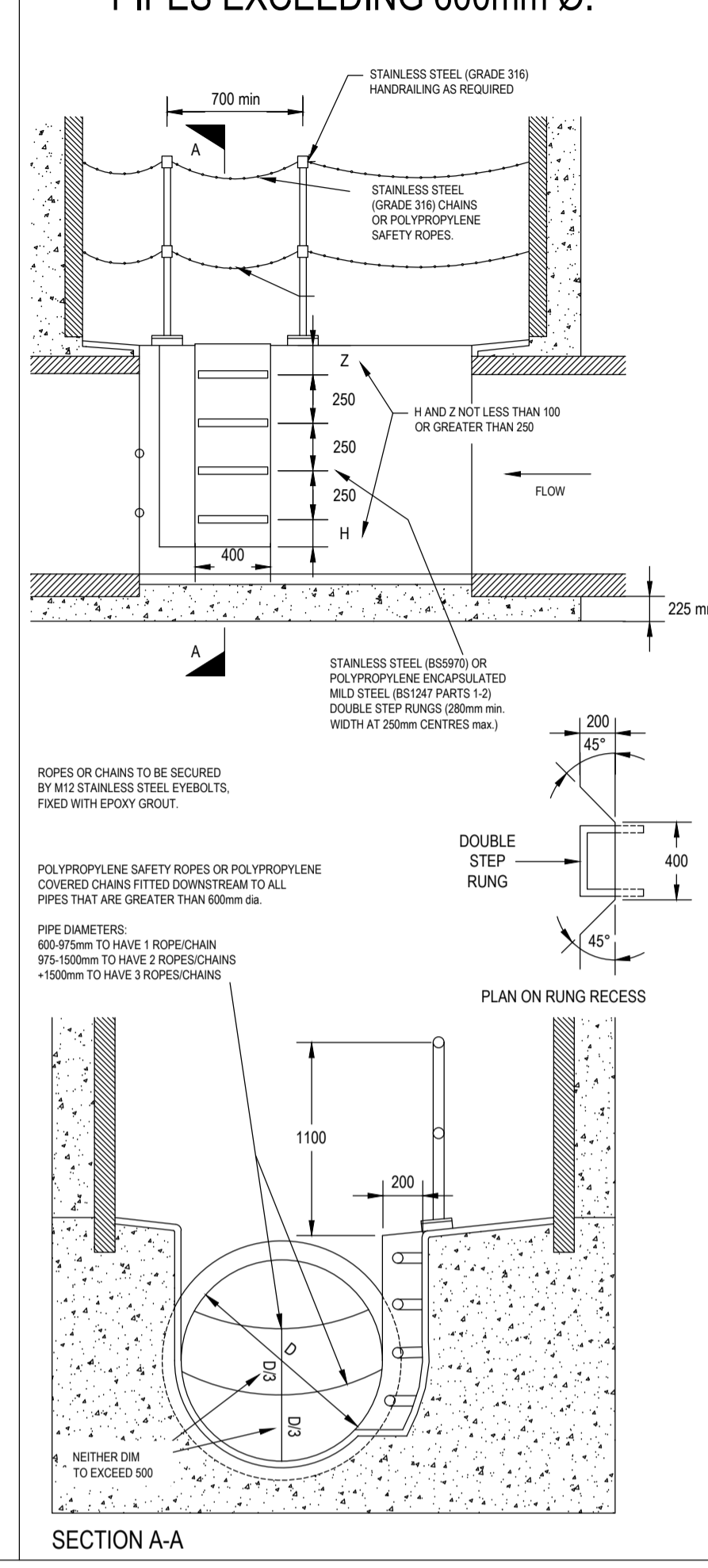
depth to soffit less than 3.0m (measured from finished cover level to soffit of pipe).
*N.B. Note Minimum Chamber Dimension



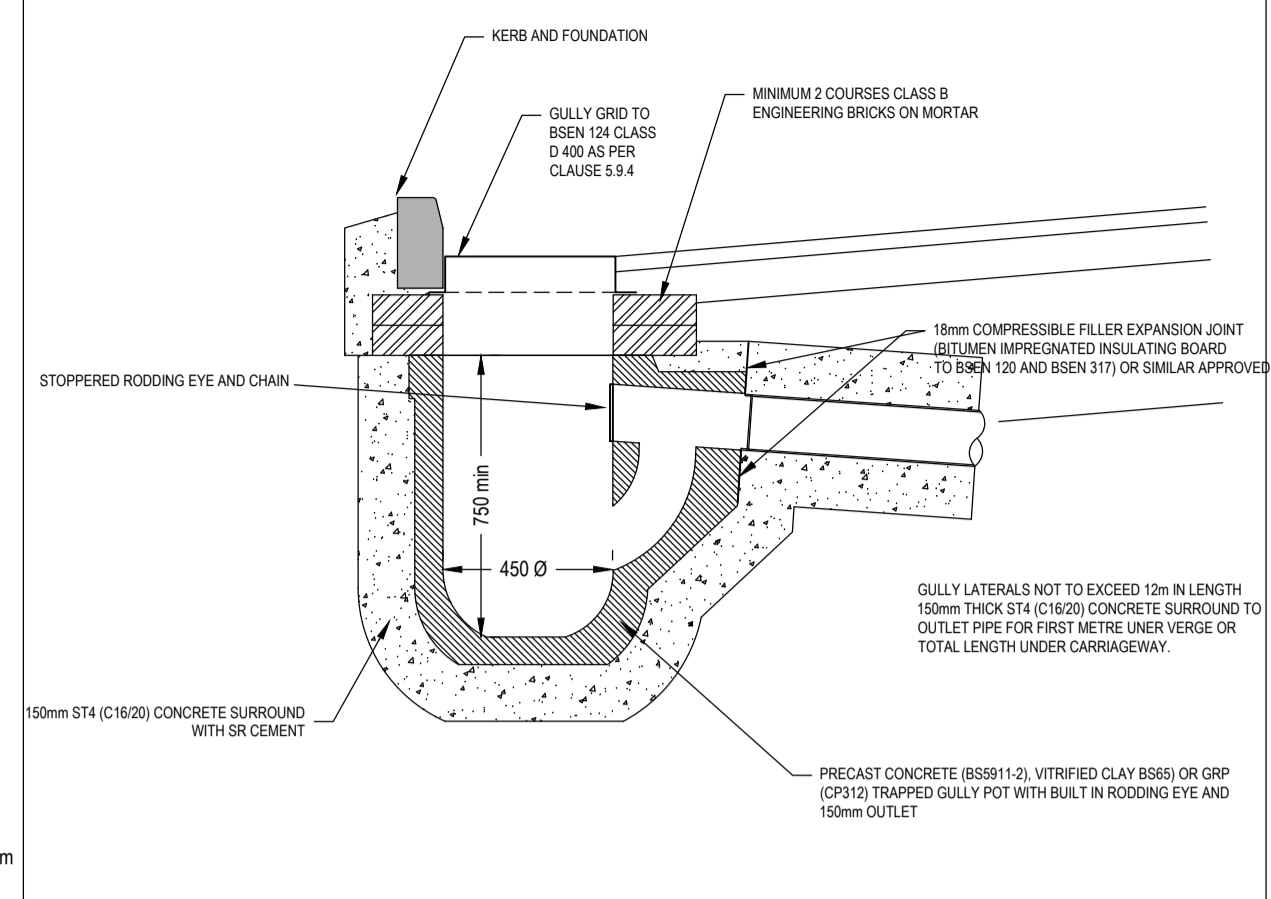
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE
less than 375	1200
375-750	1500
750-900	1800
greater than 900	Consult Sewerage Undertaker

PIPE DIA.	ROCKER PIPE LENGTH
150-400	0.600
475-750	1.000
OVER 750	1.200

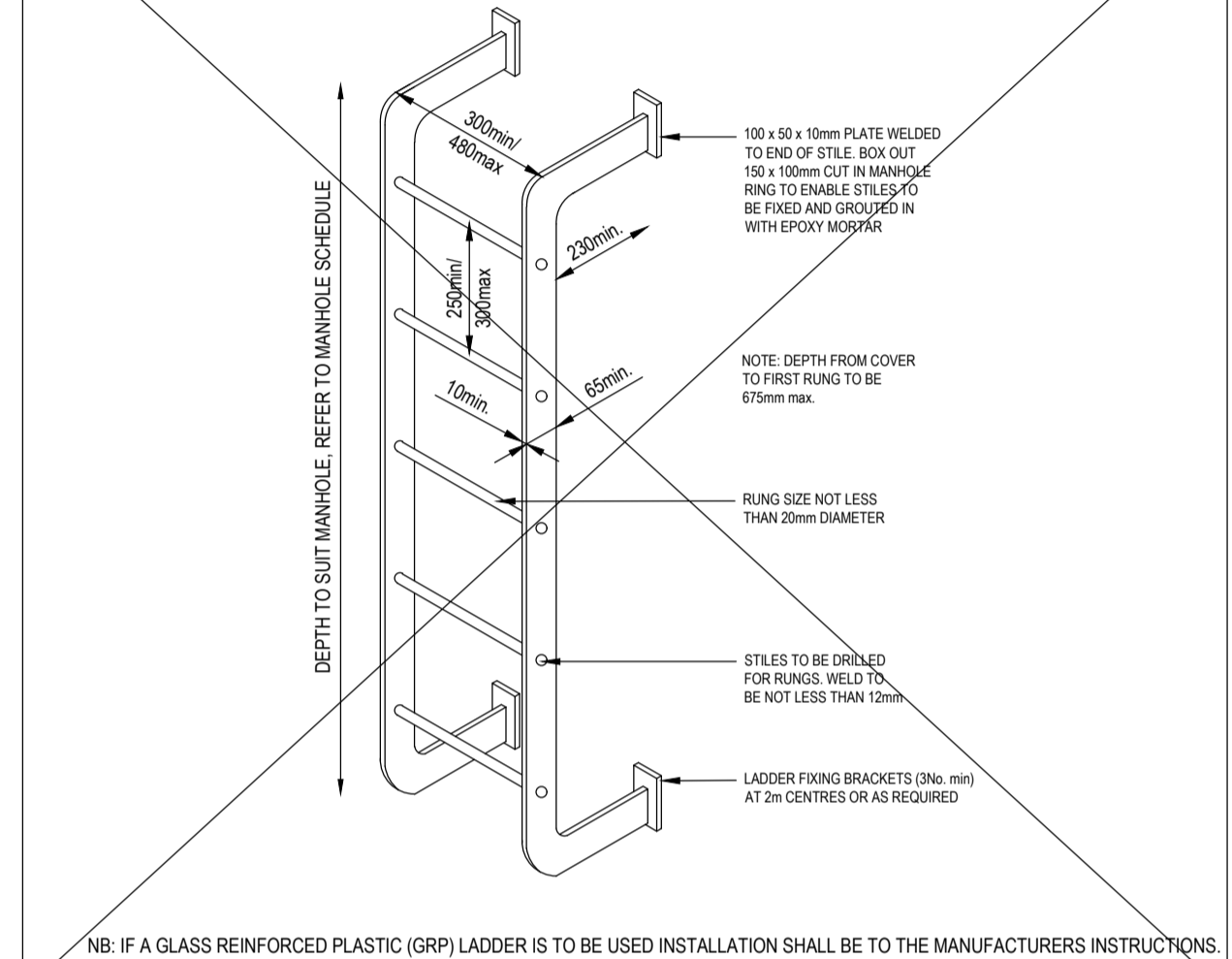
ACCESS TO INVERT FOR PIPES EXCEEDING 600mm Ø.



SECTION THROUGH ROAD GULLY



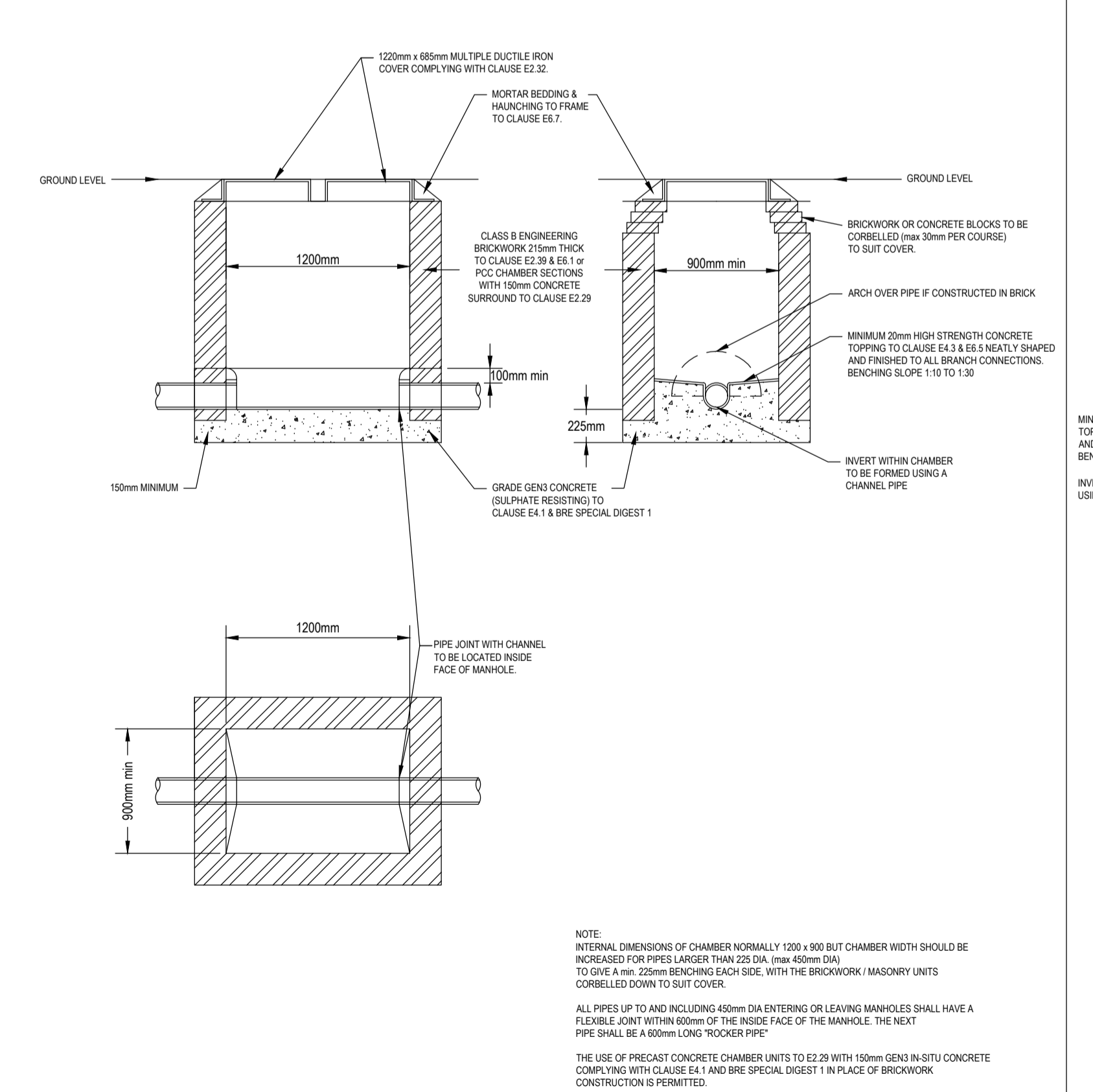
STAINLESS STEEL LADDER DETAIL



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 3 PLOTS OR MORE (UNLESS OTHERWISE STATED).
ALL SEWERS AND LATERAL DRAINS WITHIN DOMESTIC CURTAGE OF PAVEMENT 100mm AND 150mm TO BE EITHER GLASS PIPES OR STRENGTH GRP (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-15mm 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 5328 AND NOT TO BE LESS THAN GRADE FND2 WHEN REINFORCED AND GENS IN ALL OTHER SITUATIONS.
CAST CONCRETE SHALL BE FINISHED TO PRODUCE A 'FAIR' SURFACE WHERE EXPOSED AND SHALL HAVE A 'TROUGH' FINISH IN ALL OTHER SITUATIONS. STEELWORK SHALL BE IN ACCORDANCE WITH BS4483.
ALL MANHOLE COVERS TO BE 600/600 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 165mmØ OR SIMILAR.

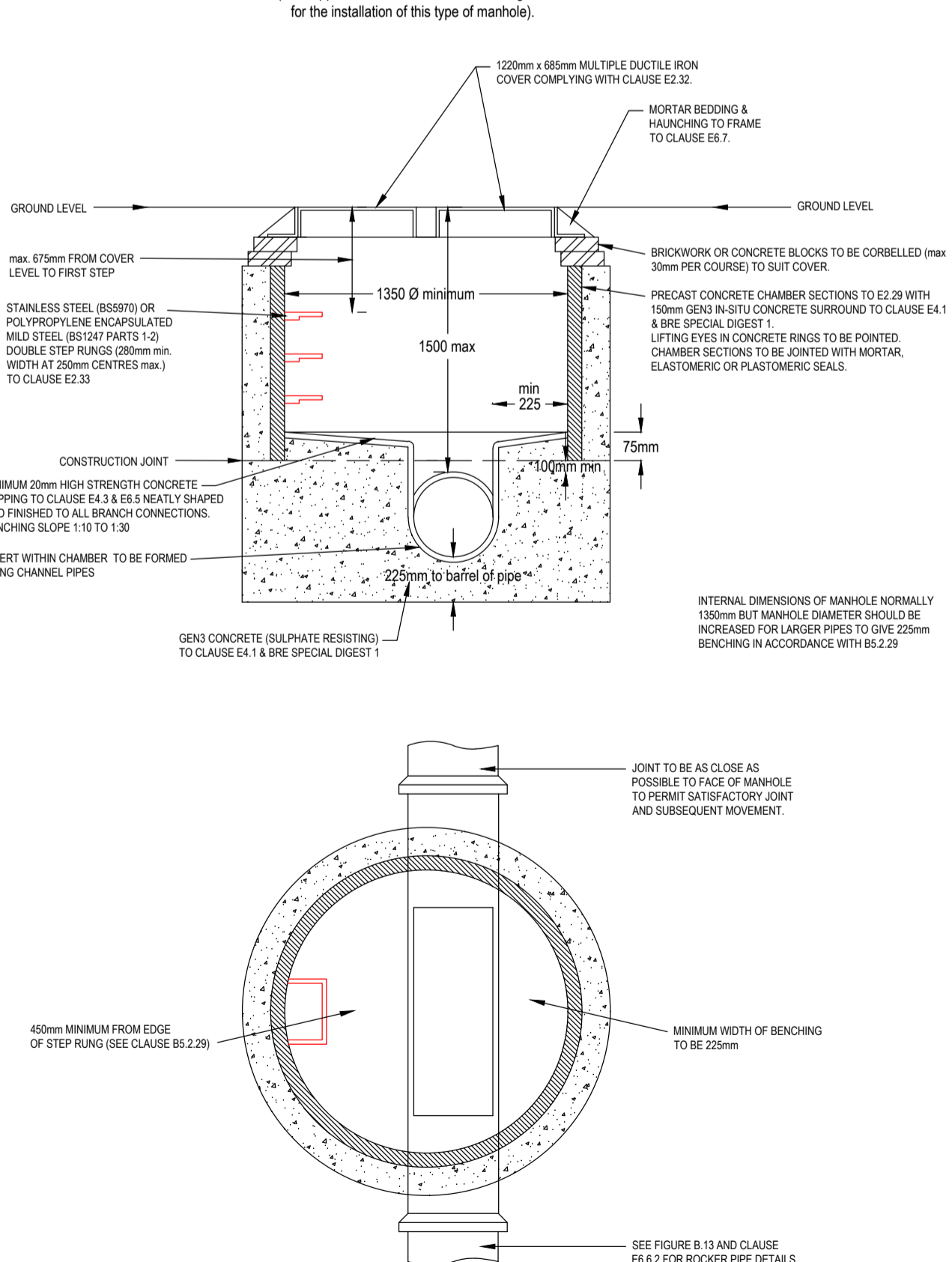
TYPICAL MANHOLE DETAIL - TYPE C (rectangular option)

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

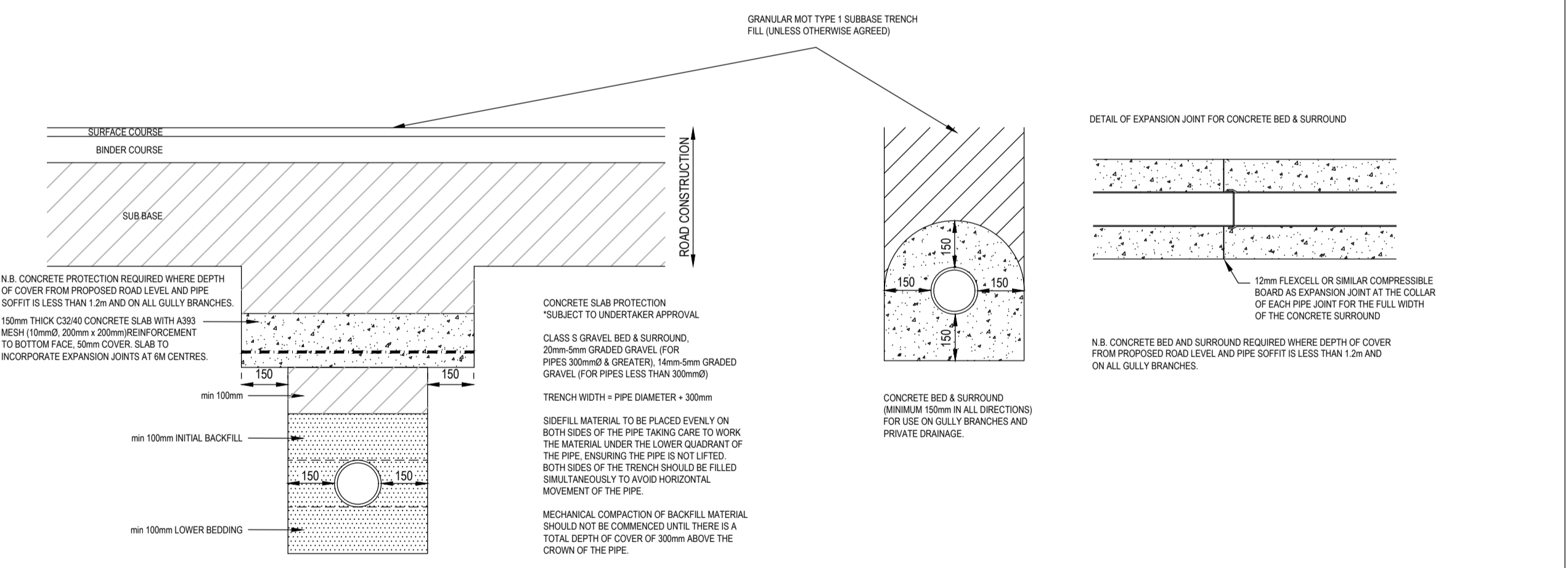


TYPICAL MANHOLE DETAIL - TYPE C (circular option)

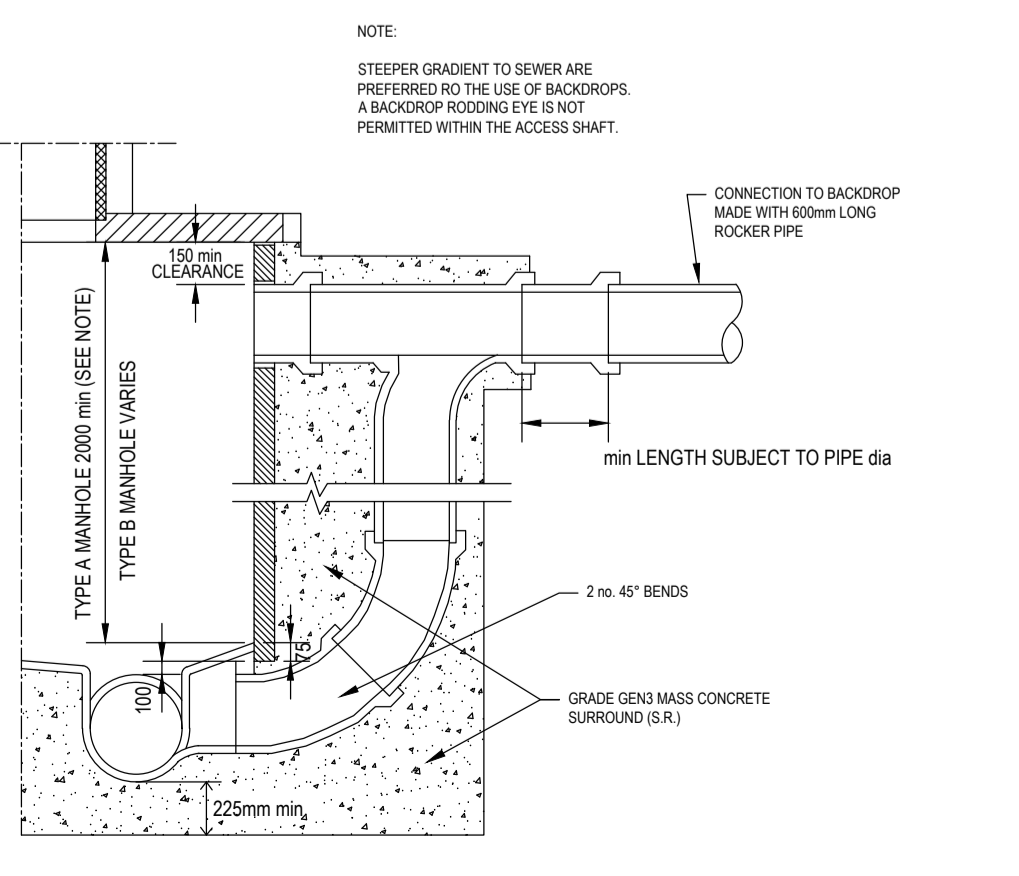
depth to soffit less than 1.5m (measured from finished cover level to soffit of pipe).



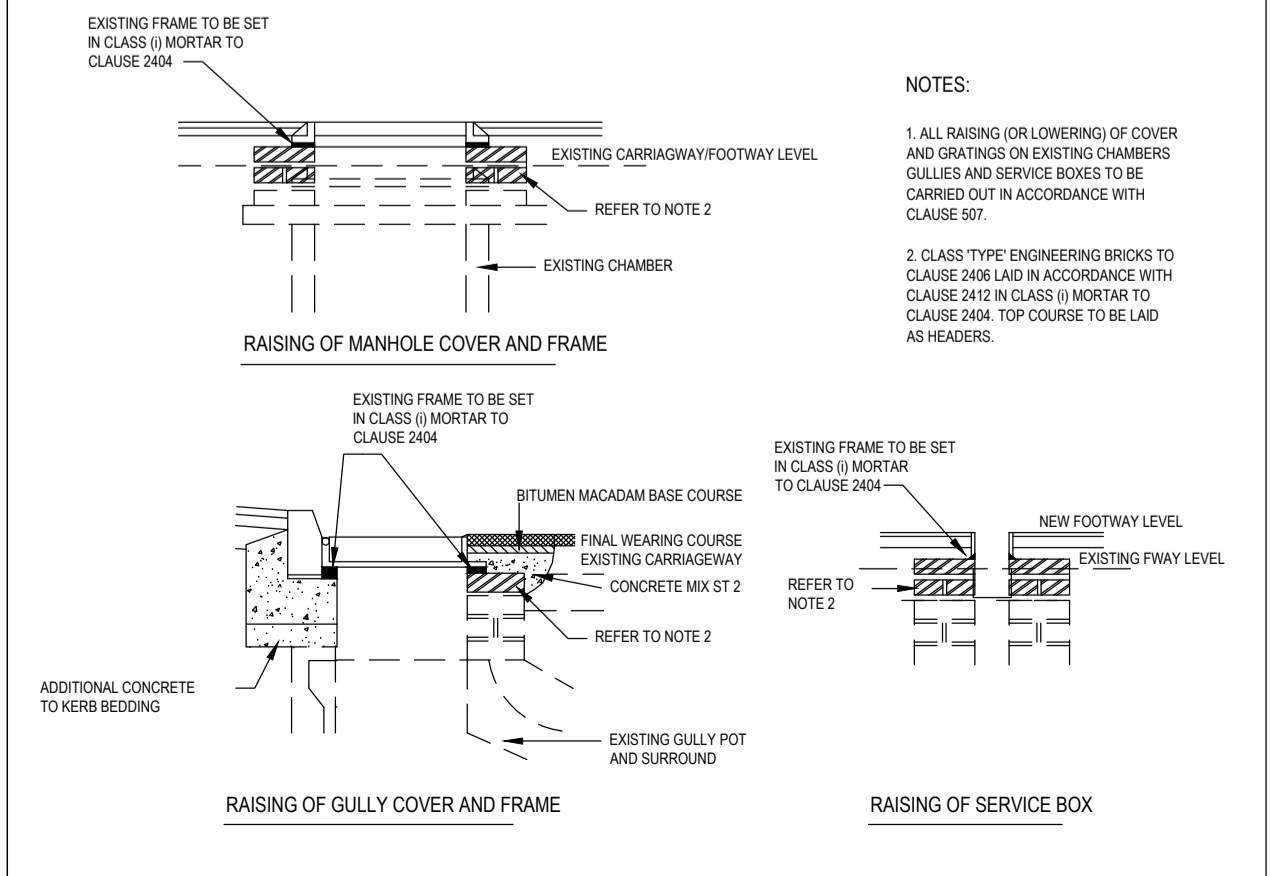
PIPE SURROUND DETAILS



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.



REF.	DESCRIPTION:	DATE:	BY:
A	Type A detail amended to AWS requirements	25.06.10	GWH
B	Gully detail updated to LCC 2010 STANDARDS	15.11.10	GWH
C	Manhole type C.A removed as requested by AWS.	20.08.11	GWH
D	Ladder removed from Type A manhole detail.	06.03.14	GWH
E	Gully detail amended.	20.10.14	GWH
F	Type E manhole detail added.	11.12.15	GWH
G	Type A & B manhole cover slabs changed to 600/600 opening.	15.02.17	GWH
H	Type 1 bedding rings removed as requested by AWS 28.06.17	28.06.17	GWH
J	Gully riser added as requested by MLC 02.18	08.02.18	GWH
K	Revised gully cover and frame detail amended.	16.05.19	GWH
L	Pipe surround concrete protection detail amended to Sg 1/3 LCC03S	17.02.20	GWH
M	Amended to suit SSG 1/CC2 specification.	11.01.21	GWH

CLIENT:
Tuelove Property & Construction Ltd

PROJECT:
Low Road
Worlay
North Lincs

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

SCALE:
N.T.S.

DATE:
October 2009

SIZE:
A1

DRAWING No:
SD/002-L

DRAWN BY:
[Signature]

CHECKED BY:
[Signature]



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