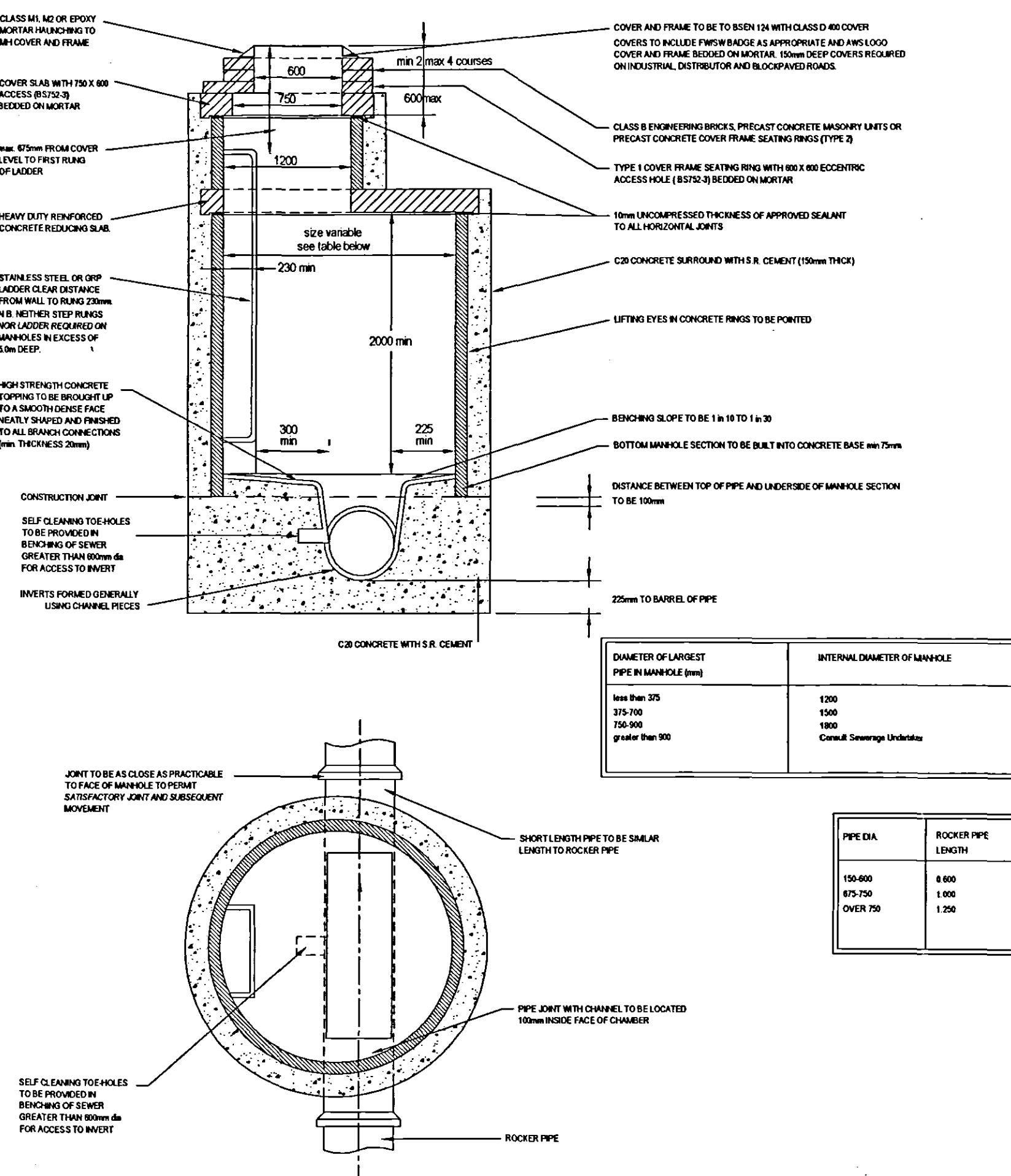


TYPICAL MANHOLE DETAIL - TYPE A

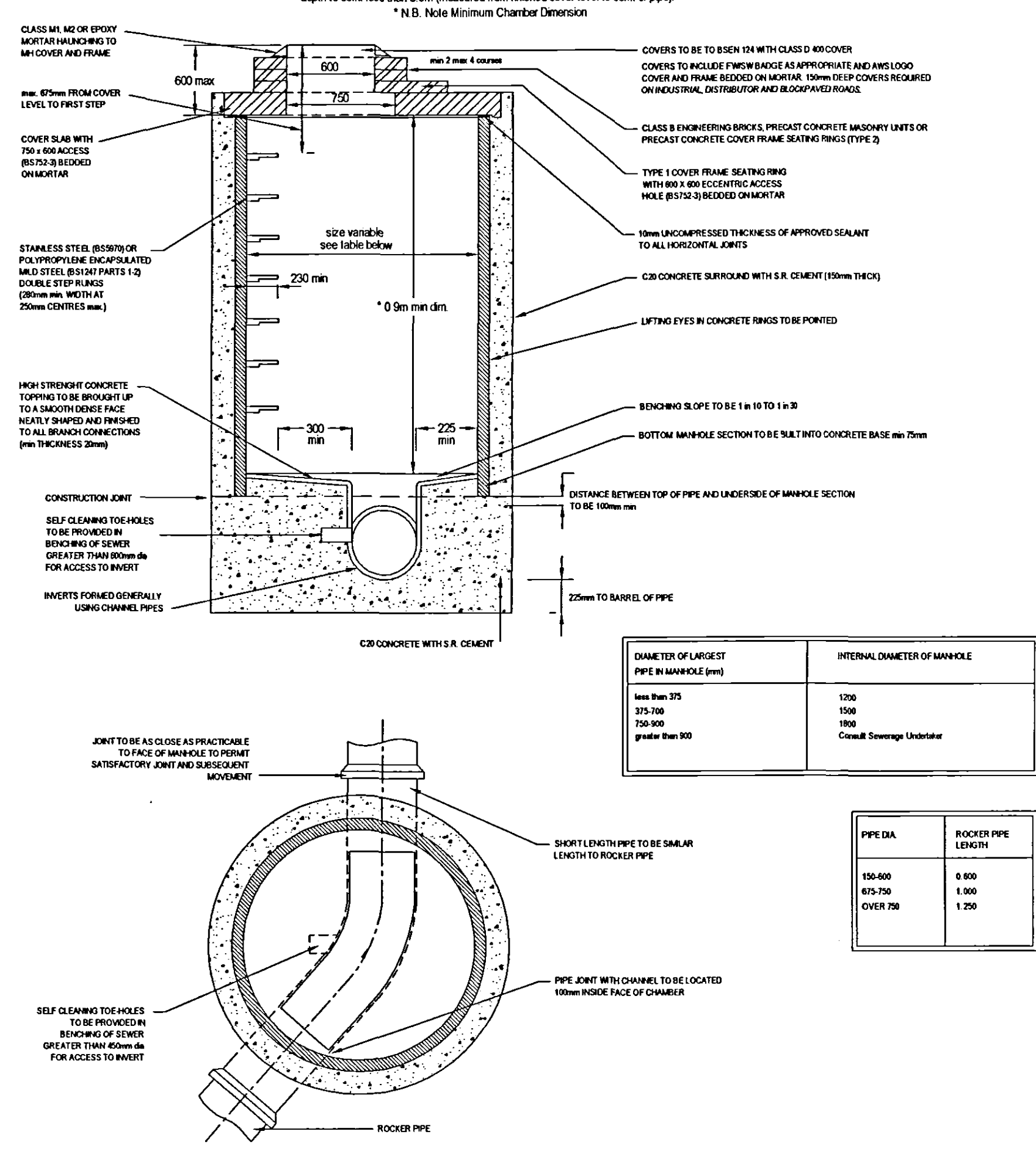
depth to soffit 3m to 6m (measured from finished cover level to soffit of pipe)



TYPICAL MANHOLE DETAIL - TYPE B

depth to soffit less than 3.0m (measured from finished cover level to soffit of pipe)

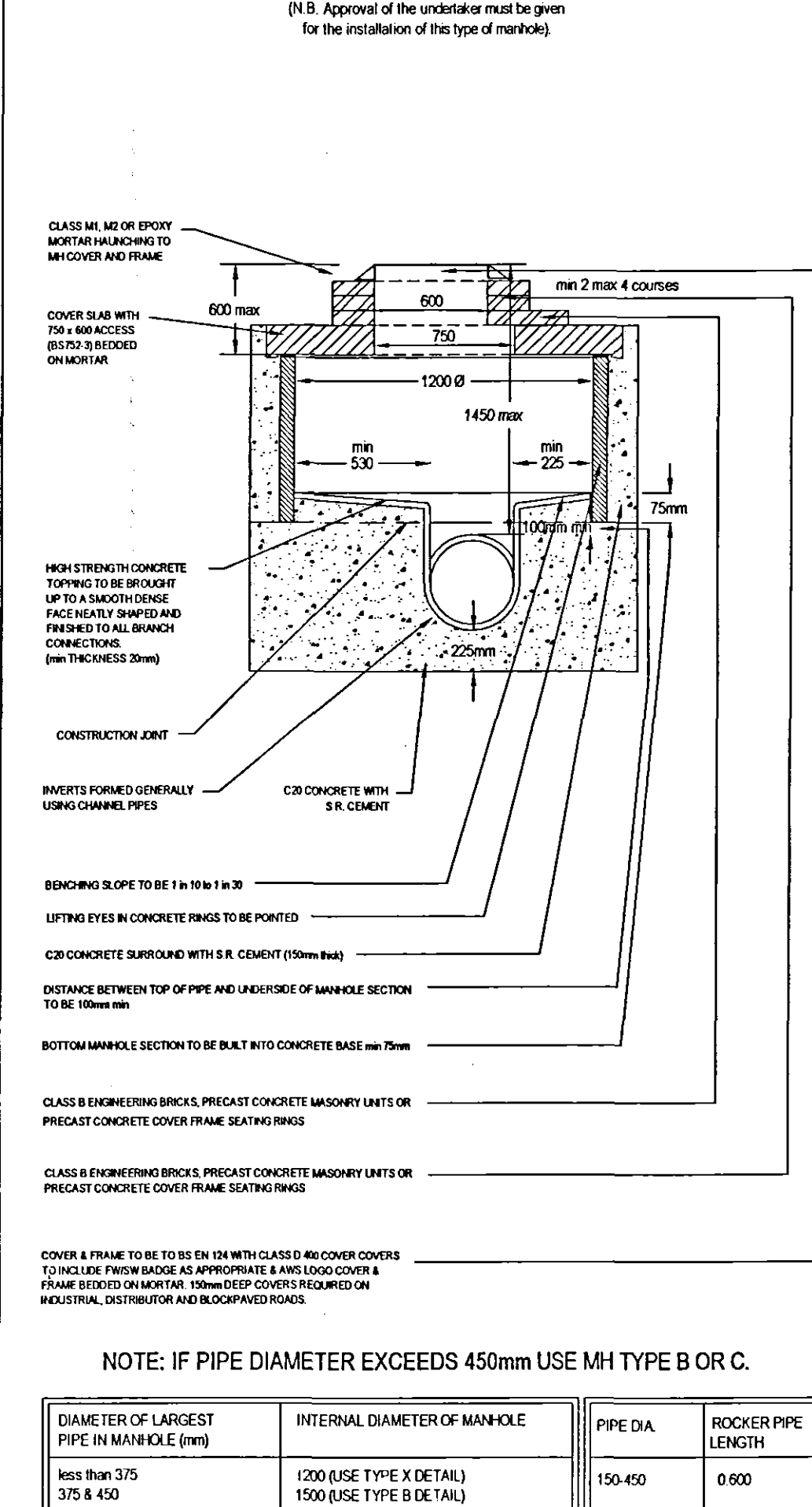
N.B. Note Minimum Chamber Dimension



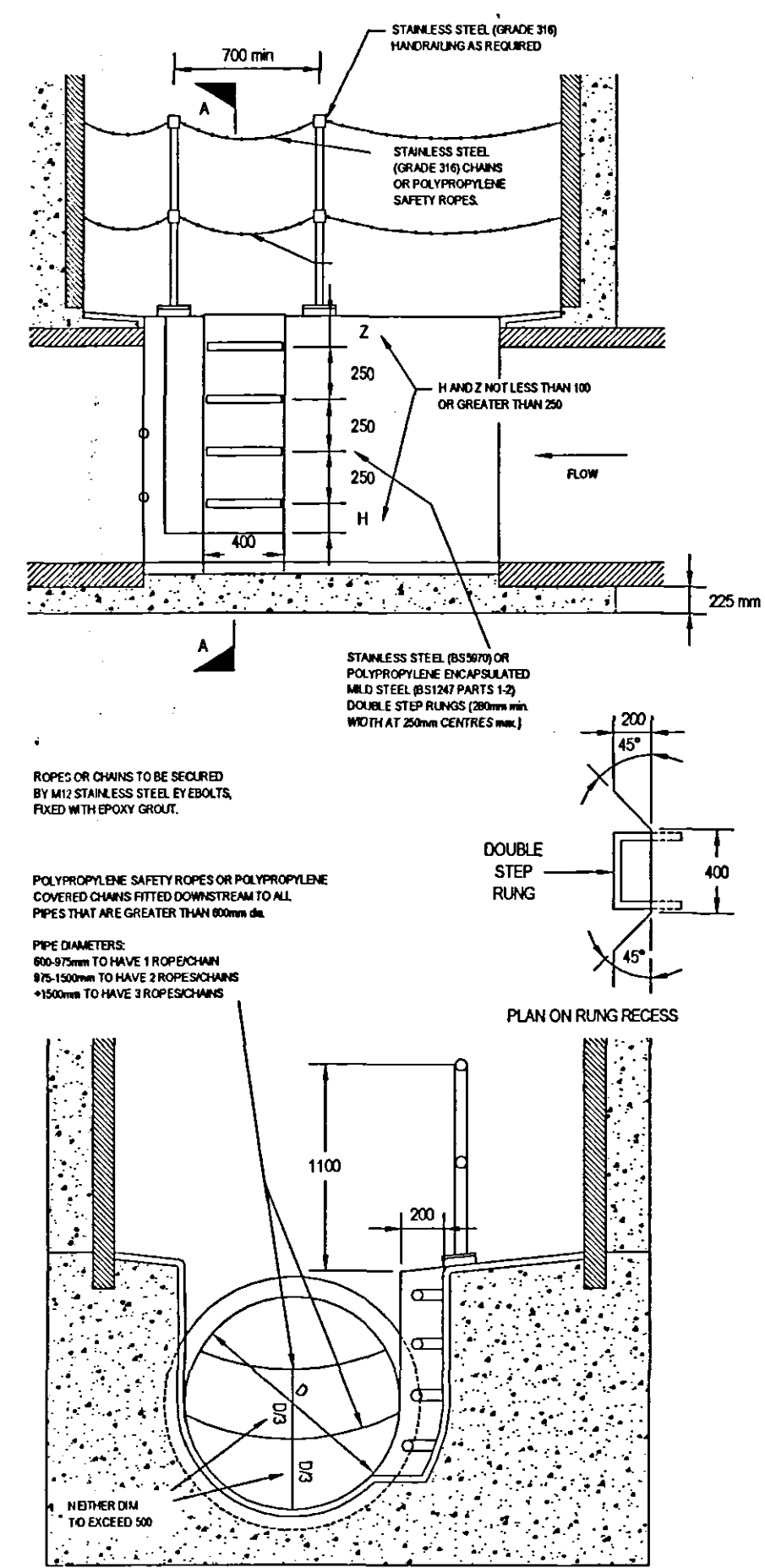
TYPICAL MANHOLE DETAIL - TYPE X

depth from finished cover level to soffit of pipe less than 1.45m

(N.B. Approval of the undertaker must be given for the installation of this type of manhole)



ACCESS TO INVERT FOR PIPES EXCEEDING 600mm Ø.

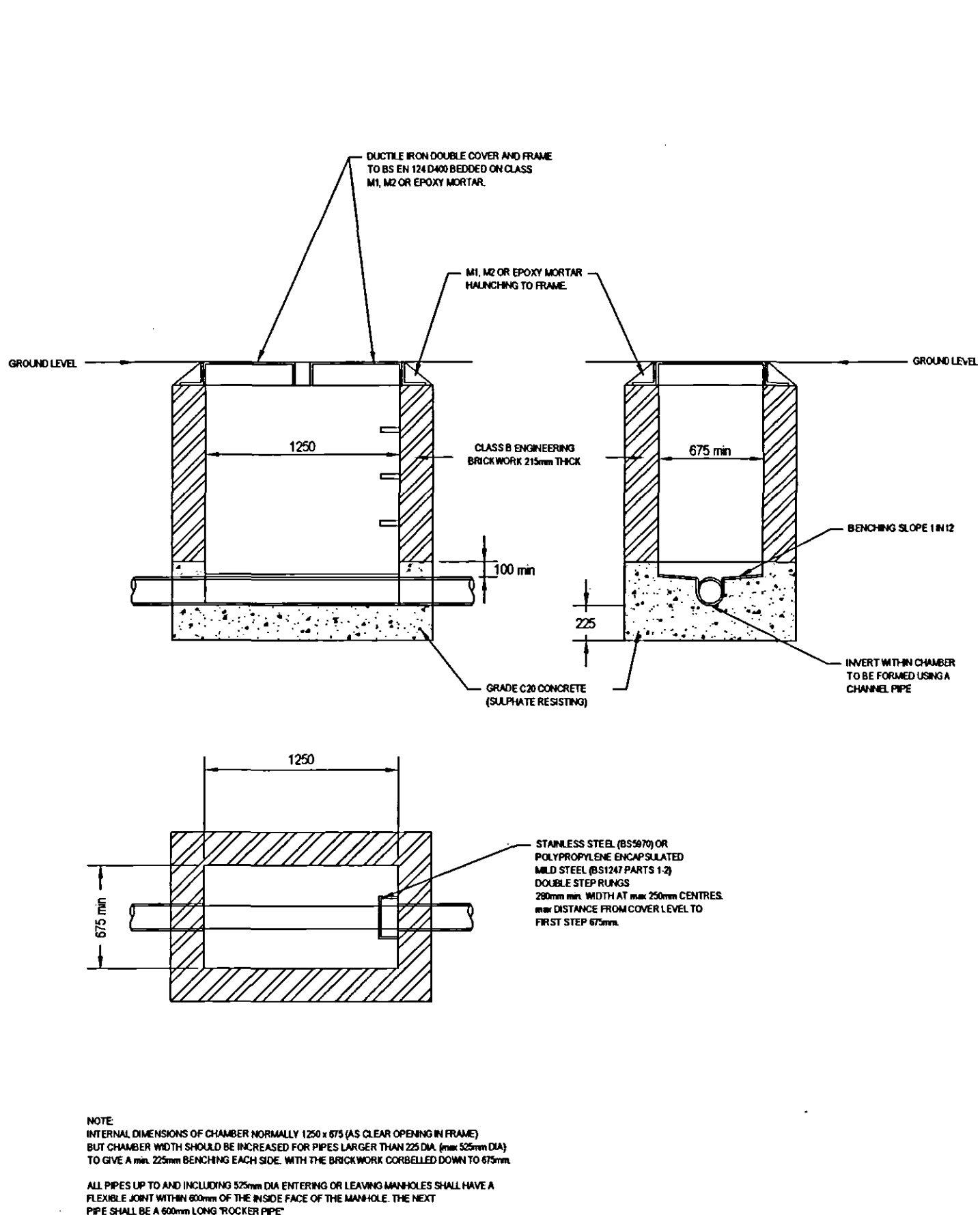


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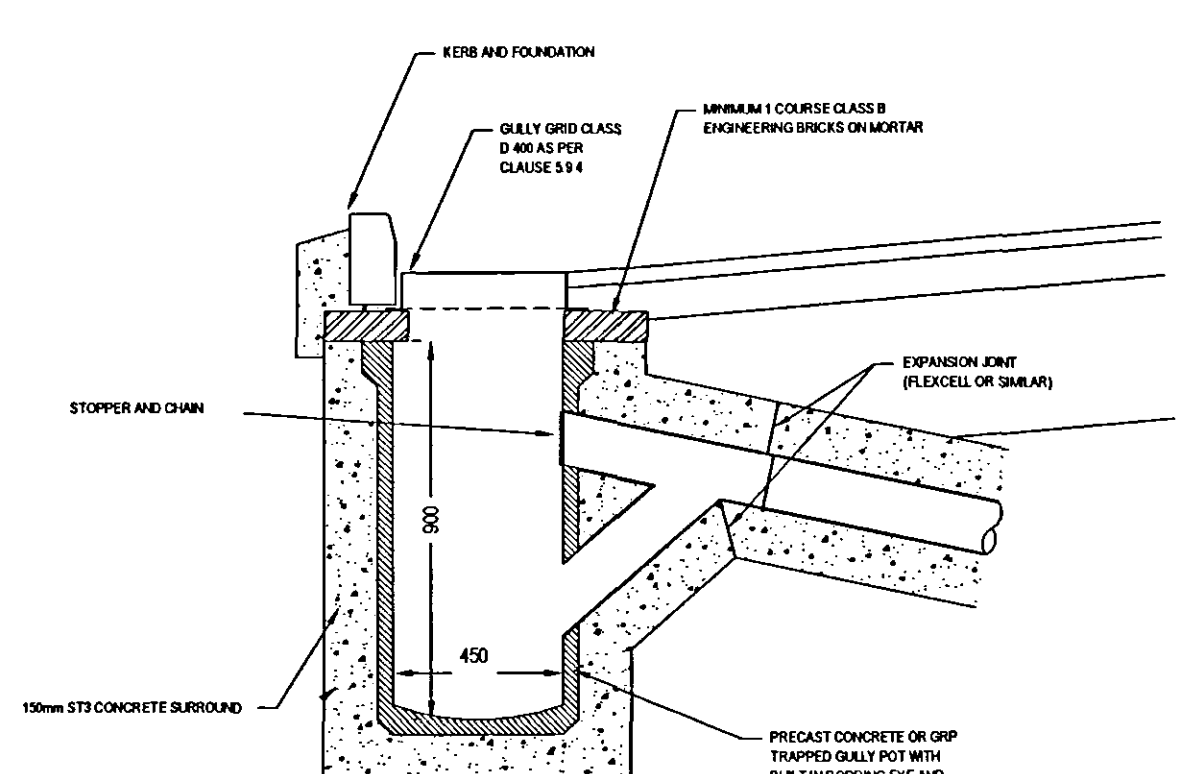
NOTES:
MANHOLES WITH AN INCOMING SEWER OF 300mm DIAMETER AND OVER TO BE AS APPROVED BY THE WATER AUTHORITY
CHAMBERS WITH OUTGOING PIPES GREATER THAN 600mm DIAMETER SHALL BE FITTED WITH STAINLESS STEEL SAFETY CHAINS TO SDS/65 OR POLYPROPYLENE SAFETY ROPES
ALL PRECAST CONCRETE PRODUCTS TO CONTAIN A MINIMUM CLASS 3 SULPHATE RESISTANT CEMENT

TYPICAL MANHOLE DETAIL - TYPE C

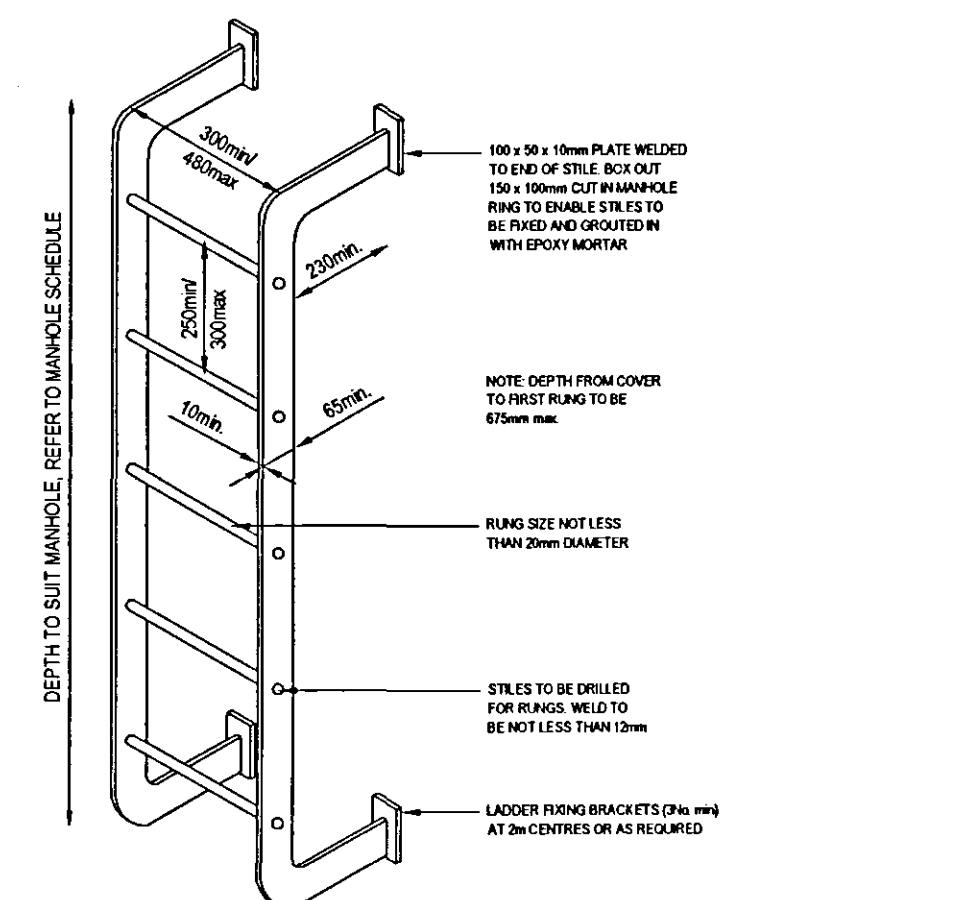
depth to soffit up to 1.45m (measured from finished cover level to soffit of pipe)



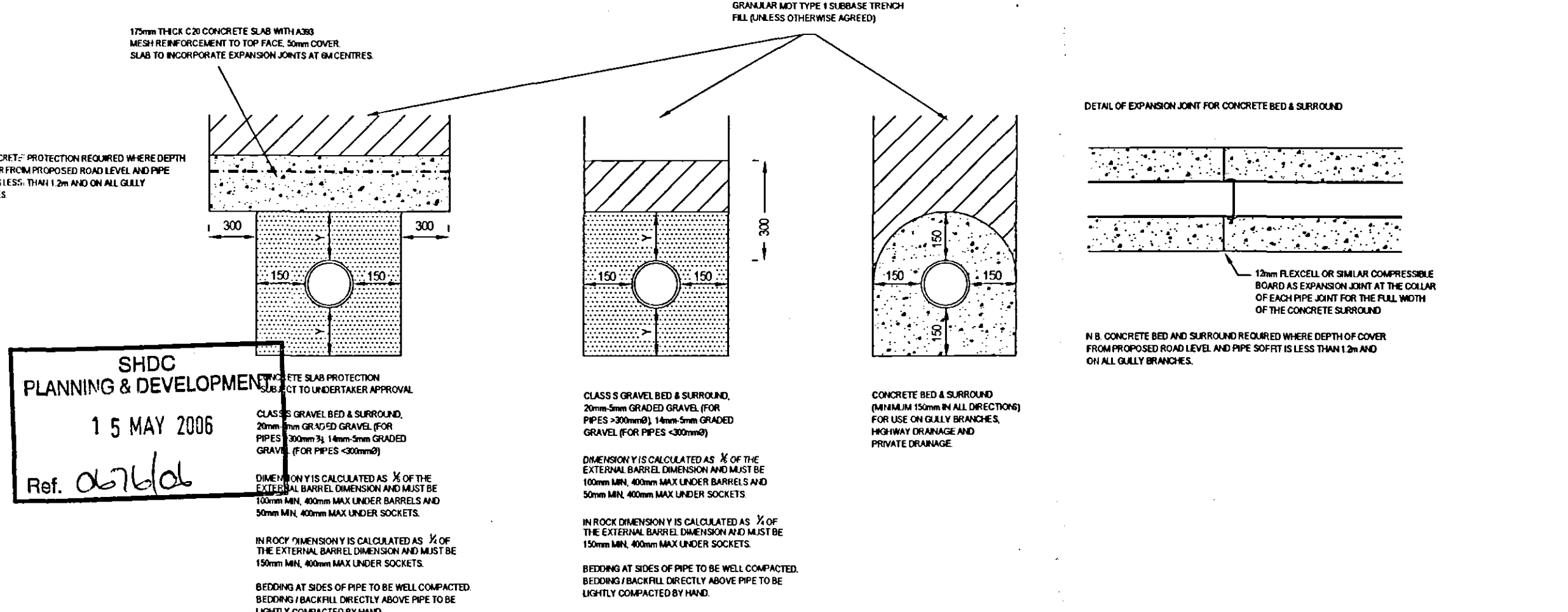
SECTION THROUGH ROAD GULLY



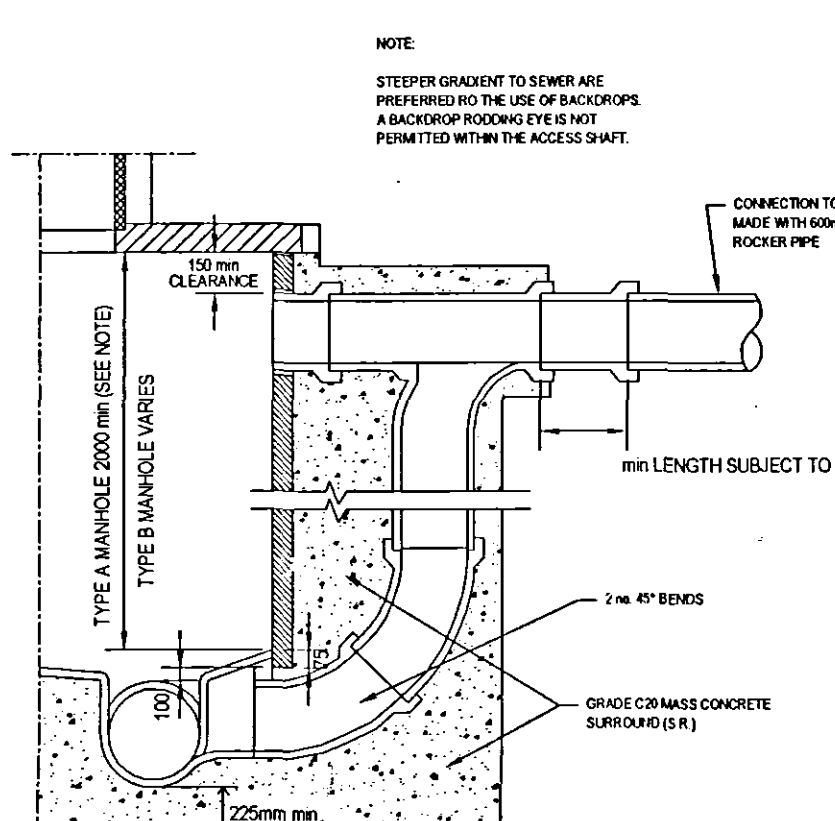
STAINLESS STEEL LADDER DETAIL



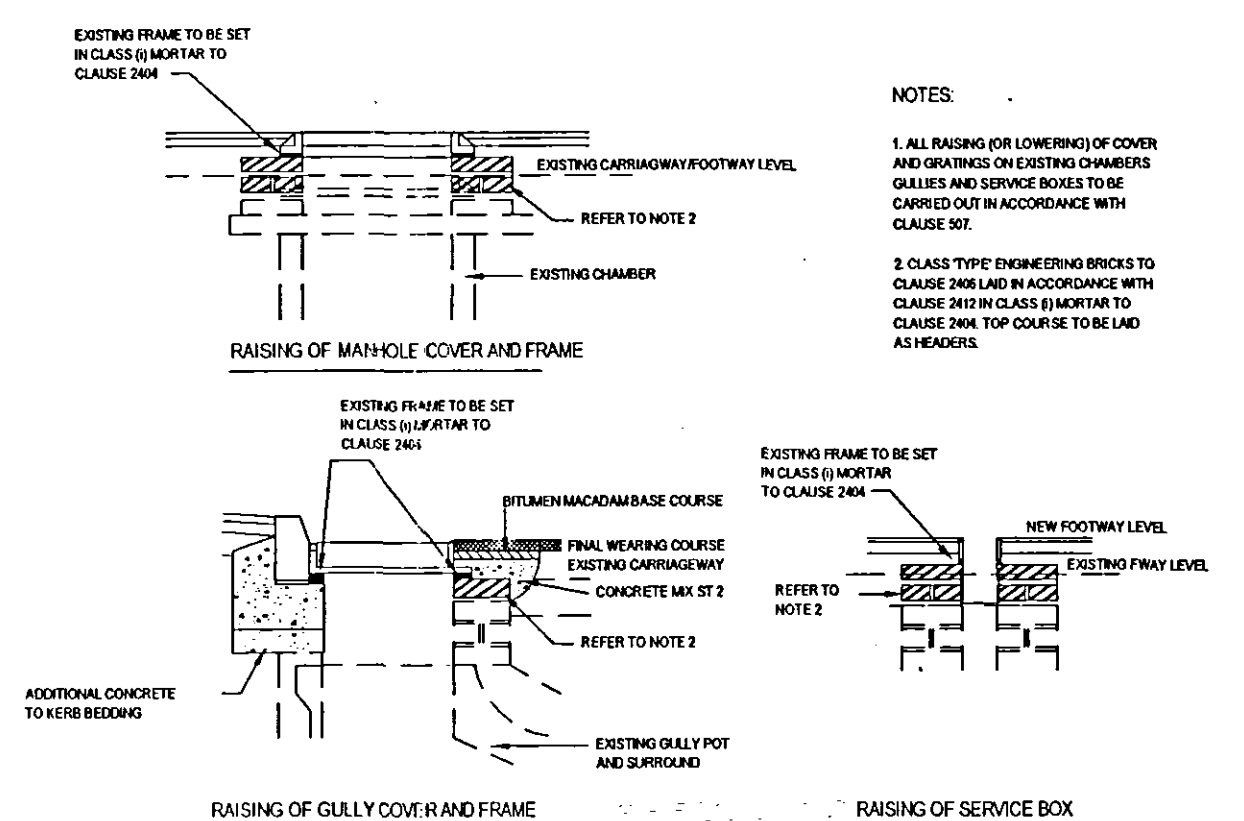
PIPE SURROUND DETAILS



SECTION THROUGH BACKDROP INLET



ADJUSTMENT OF COVERS & FRAMES



GBM CIVILS

21 FEB 2006

PRELIMINARY ISSUE

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. CHECK ON SITE AND ALL DISCREPANCIES TO BE REPORTED TO GBM CIVILS - DESIGN & BUILD.

REF.	DESCRIPTION	DATE	BY
A	AMENDED TO SAT COMBINED ADOPTION SENSE	20.02.06	GBM
B	CONCRETE SLAB PROTECTION DETAIL ADDED	20.02.06	GBM
C	TYPE X MANHOLE DETAIL AMENDED TO MEET REQUIREMENTS	20.02.06	GBM
D	MANHOLE CHAMBER DETAIL AMENDED TO MEET REQUIREMENTS	20.02.06	GBM
E	TYPE X MANHOLE DETAIL AMENDED TO MEET REQUIREMENTS	20.02.06	GBM
F	PIPE SURROUND DETAILS AMENDED	16.02.06	GBM

CLIENT:

PROJECT:
STANDARD DETAILS

TITLE:
SEWERS FOR ADOPTION 5TH EDITION
MANHOLE, GULLY AND BEDDING DETAILS

SCALE:
N.T.S.

DATE:
JANUARY 2004

DRAWING No:
SD/002-F

DRAWN BY:
[Signature]

CHECKED BY:
[Signature]

GBM CIVILS - DESIGN & BUILD.

Unit 19 Station Estate
Newbridge Hill
Lincs LN11 0JT
tel: 01507 607944
fax: 01507 607900
email: enquiries@gbmcivils.co.uk