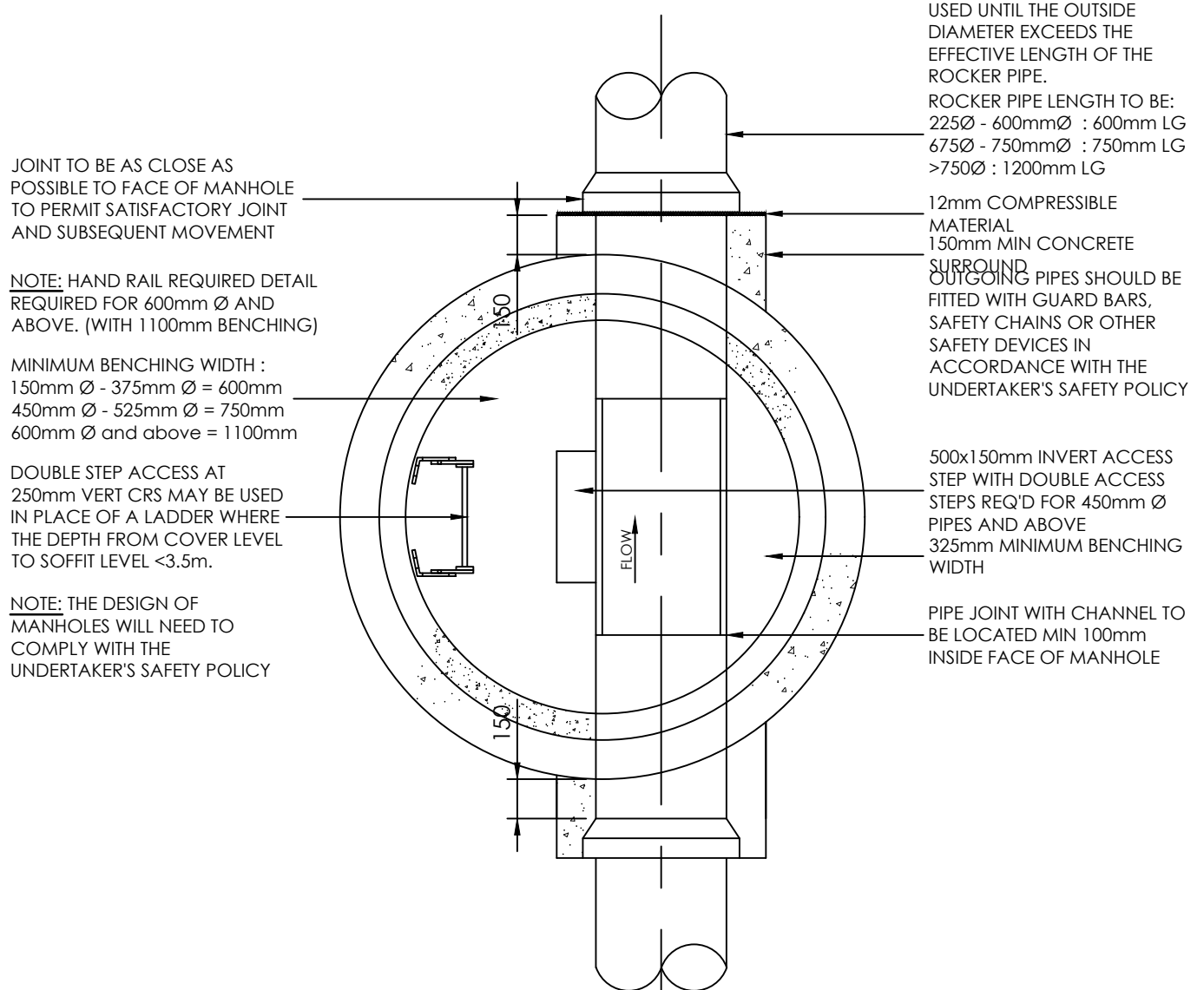
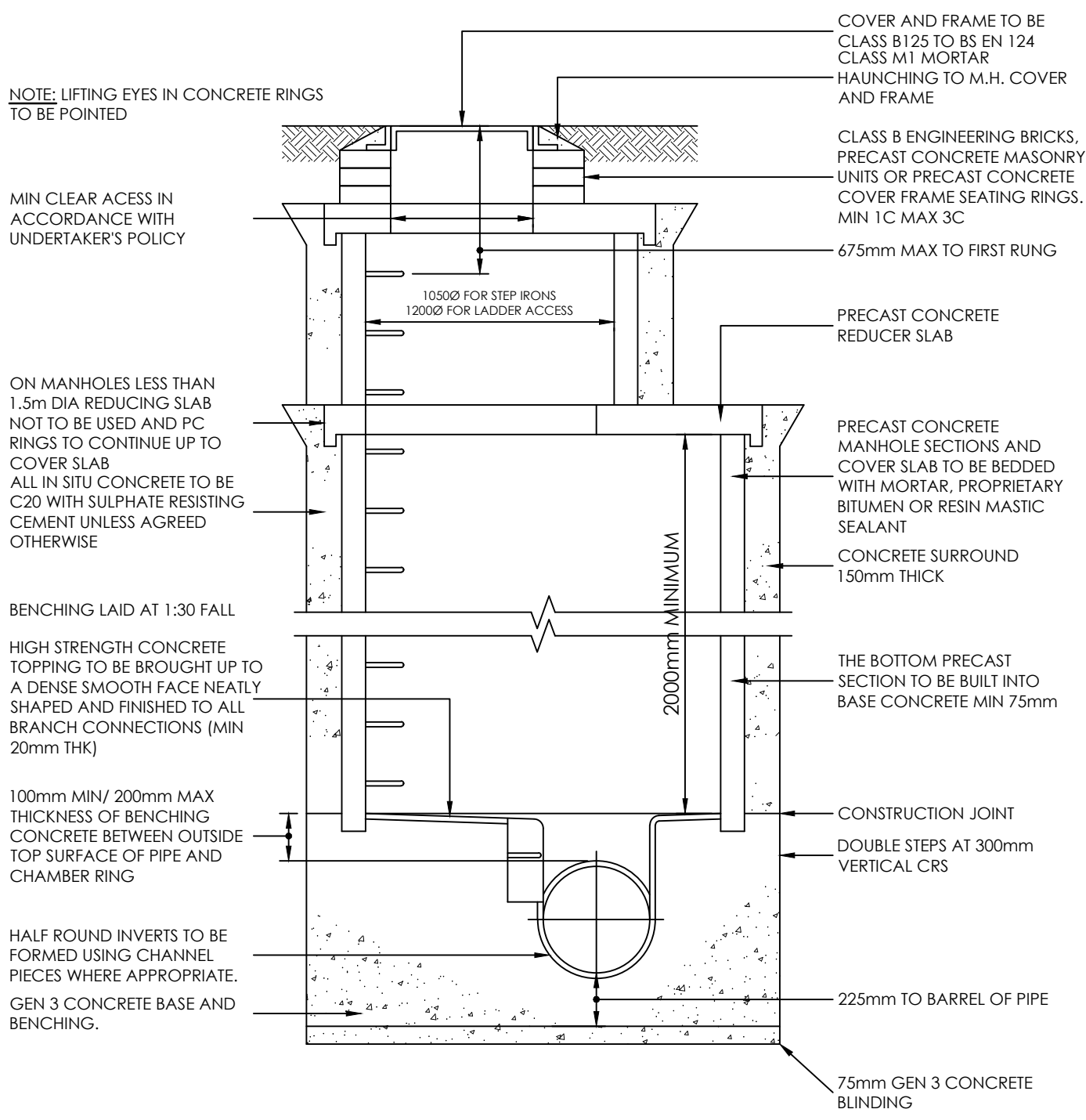
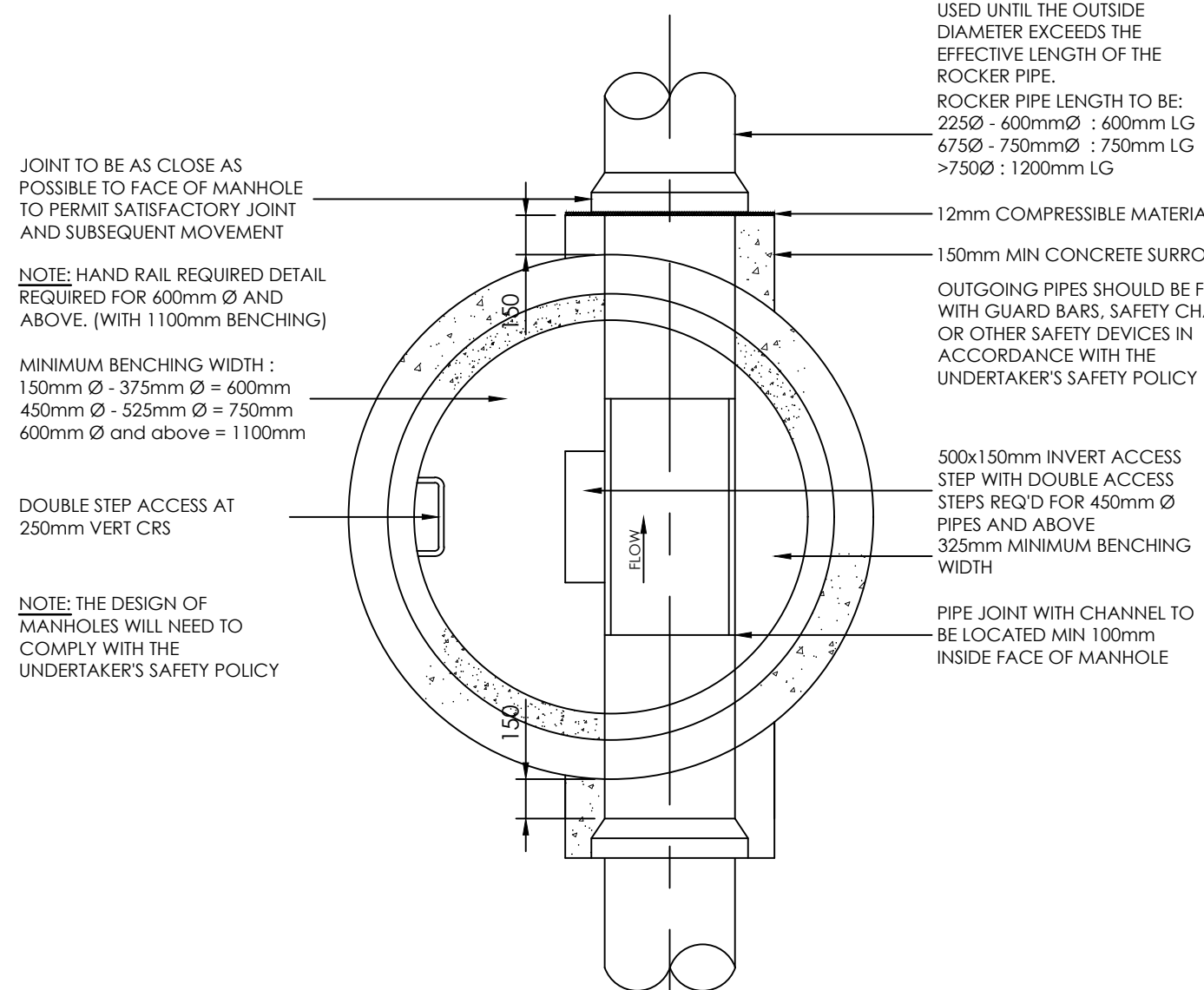
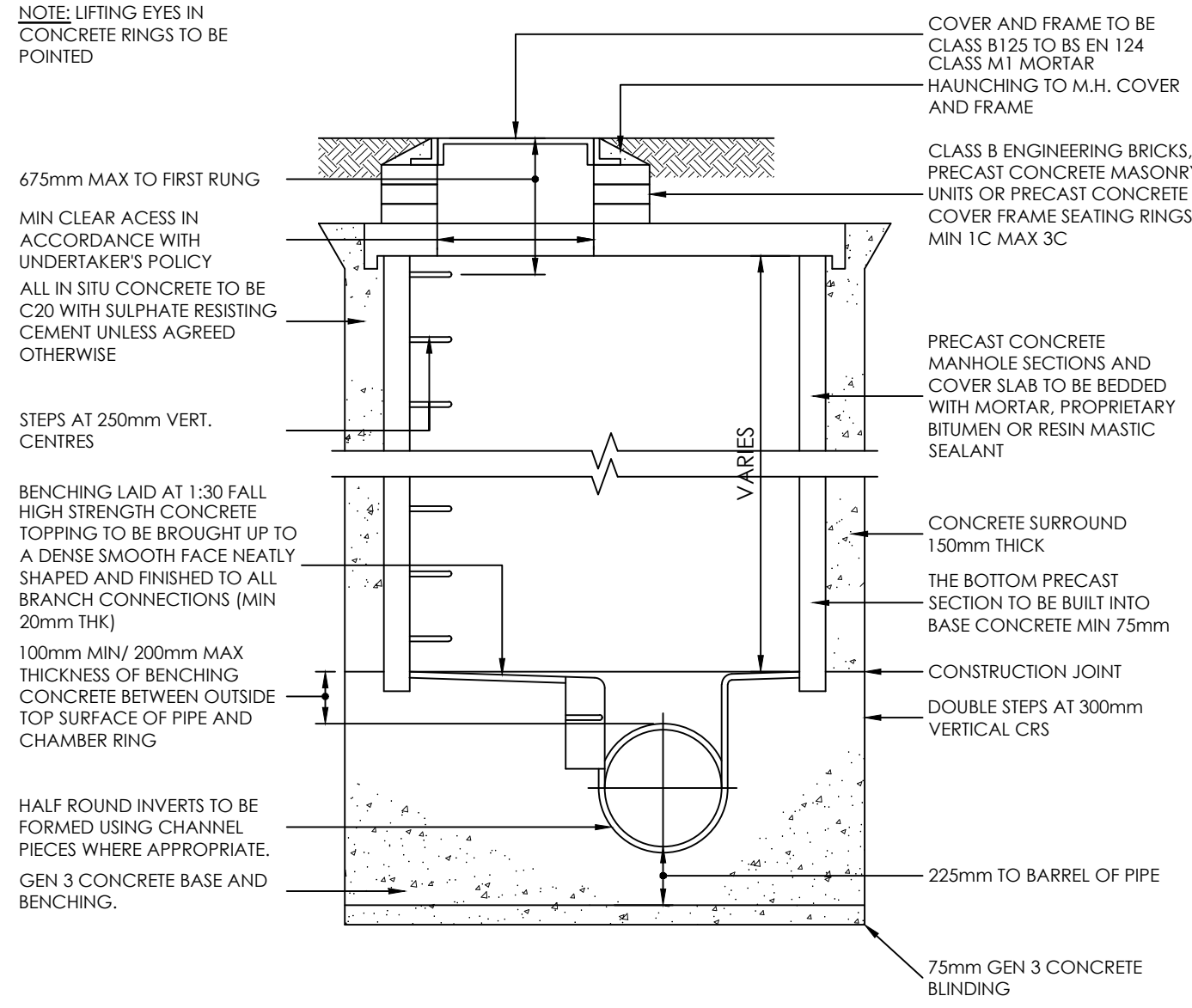
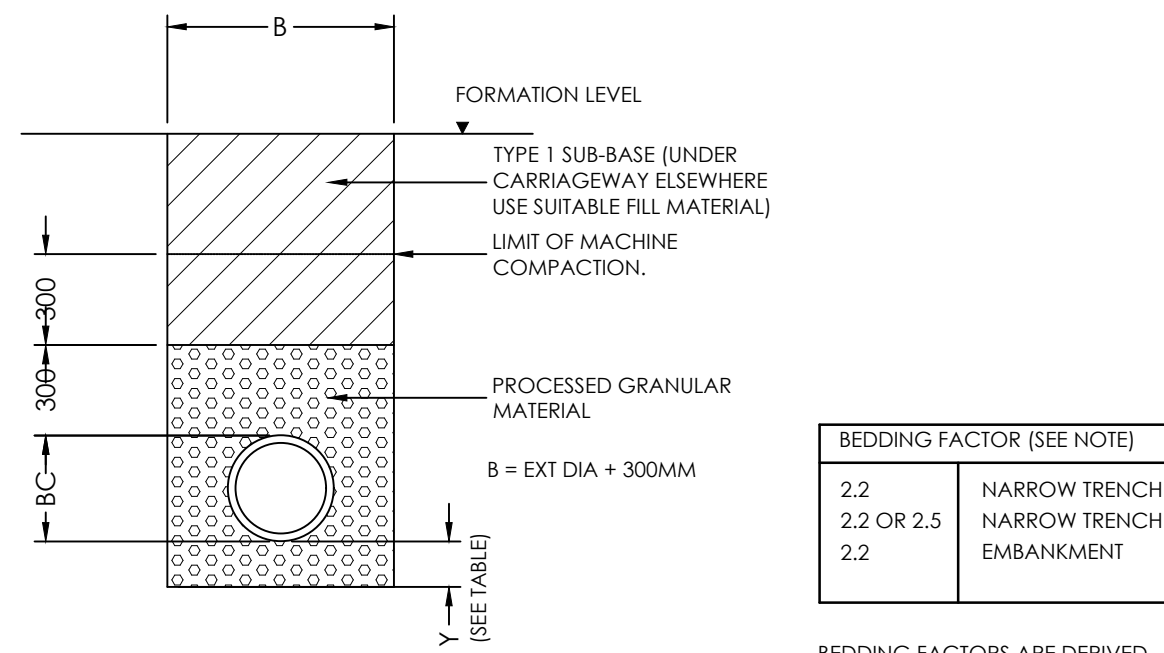




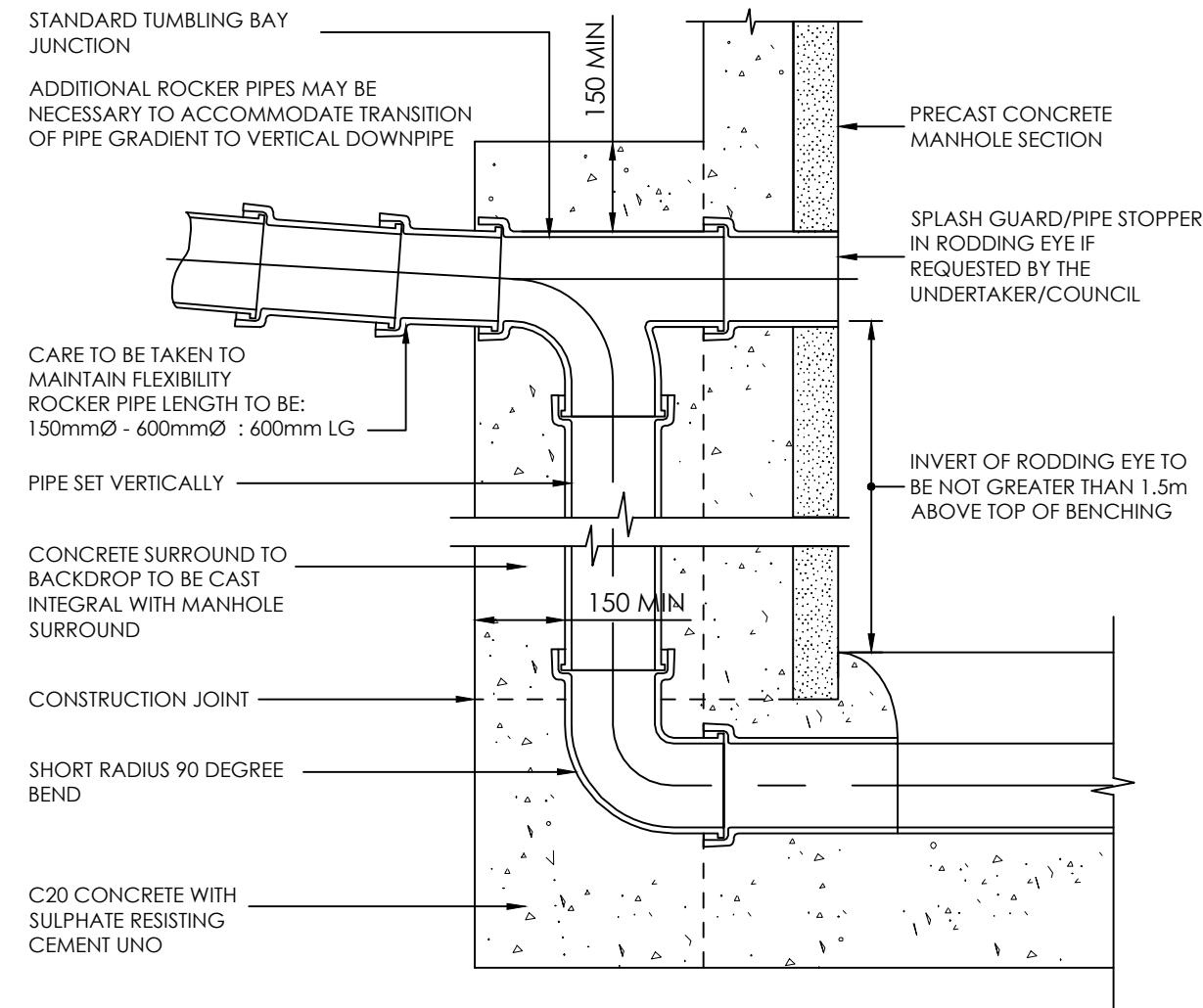
TYPICAL MANHOLE DETAIL TYPE A
DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3m to 6m



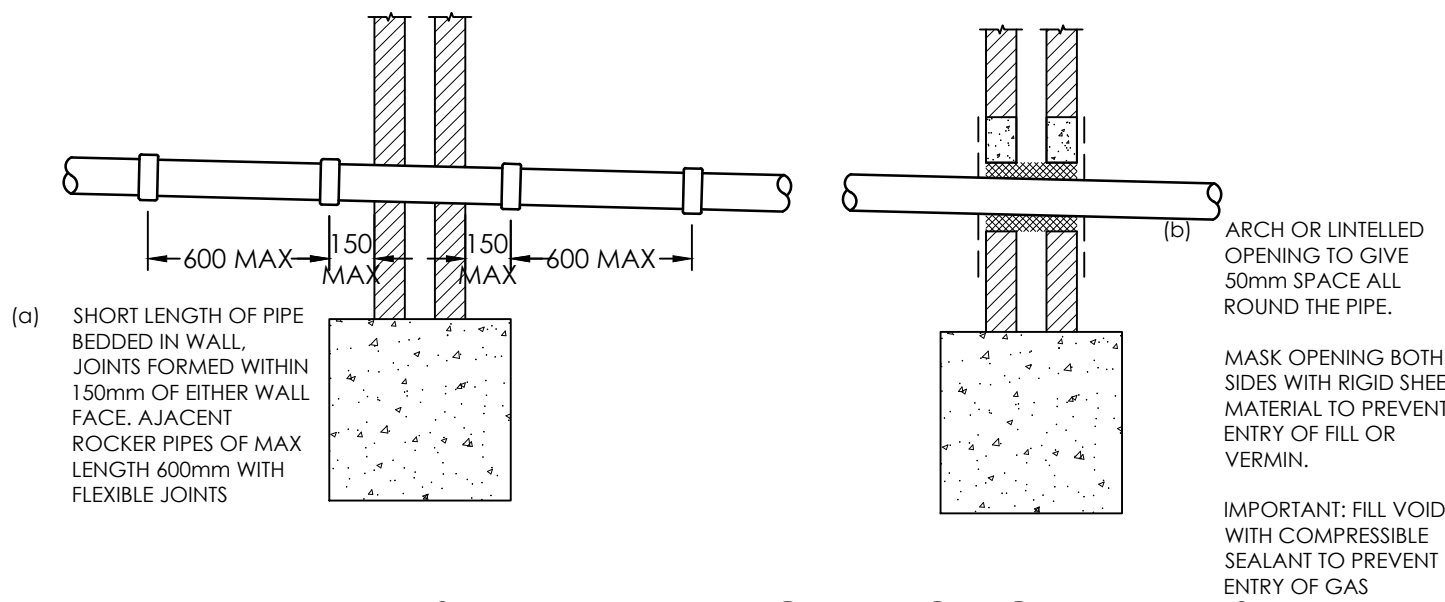
TYPICAL MANHOLE DETAIL TYPE B
MAXIMUM DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3.0m



TYPE 7 BEDDING DETAILS
(EMBEDMENT CLASS S)



TYPICAL BACKDROP DETAIL



PIPES PENETRATING THROUGH WALLS

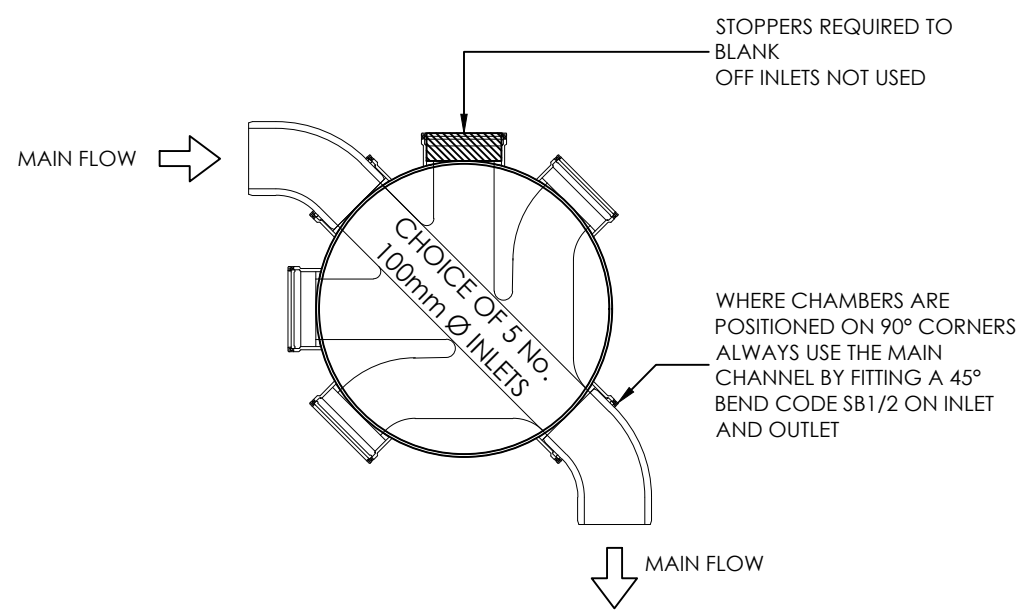
NORMAL INT PIPE DIA	MINIMUM INTERNAL CHAMBER DIA	MINIMUM CLEAR OPENING SIZE	COVER SLAB ACCESS HOLE	COVER FRAME SEALING RING
100	1050	750x750	750x750 CENTRAL	750x750 CENTRAL
150	1050	750x750	750x750 CENTRAL	750x750 CENTRAL
225	1200	1200x675	1200x675 CENTRAL	1200x675 CENTRAL
300	1200	1200x675	1200x675 CENTRAL	1200x675 CENTRAL
375	1350	1200x675	1200x675 CENTRAL	1200x675 CENTRAL

NOTE:

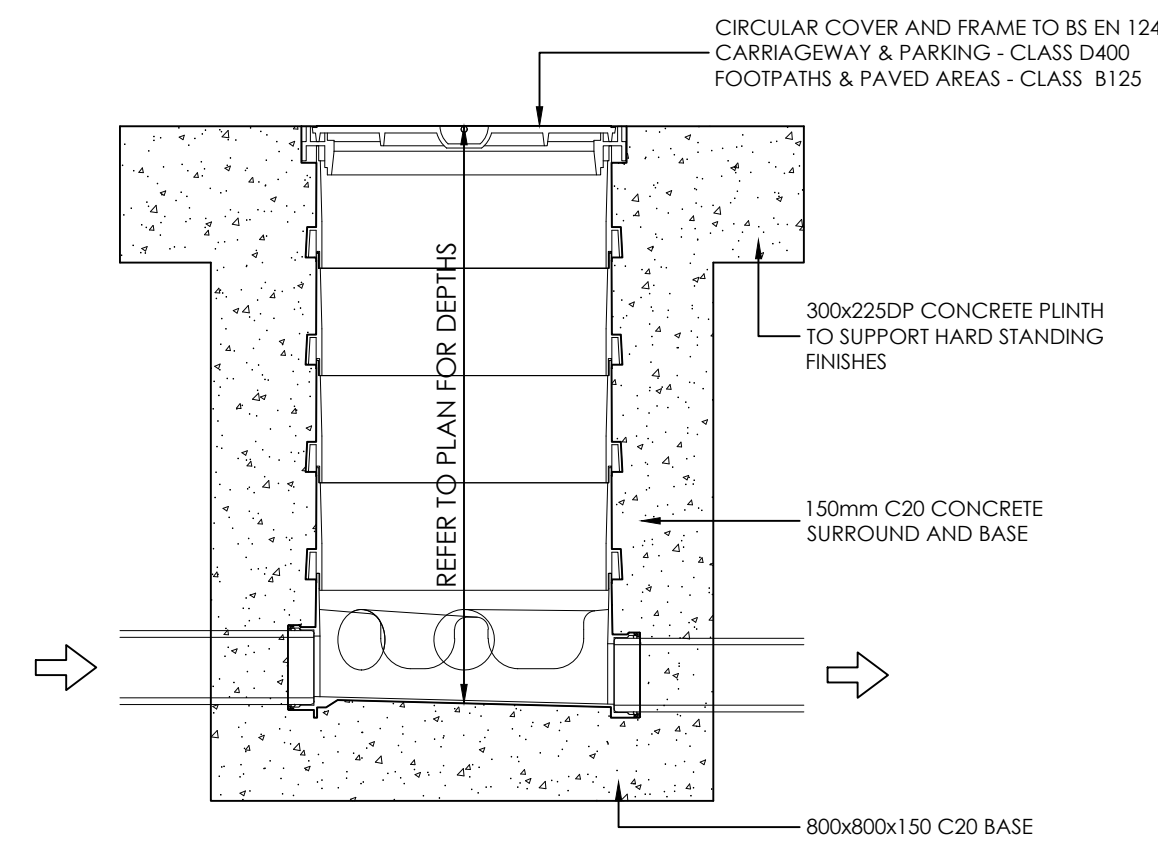
1 ALL DIMENSIONS IN MM

2 A CONCRETE SURROUND IS NOT NORMALLY TO MANHOLES UNLESS INSTALLED IN AREA OF UNSTABLE GROUND, UNDER CONDITIONS OF FLOATATION OR WHERE SUBJECTED TO EXCEPTIONAL OR ECCENTRIC LOADS IN WHICH CASES A 150mm SURROUND OF AT LEAST 20N/MM² CONCRETE SHOULD BE PROVIDED. ANY JOINTS SHOULD BE STAGGERED WITH THE PRECAST CONCRETE JOINTS.

3 DOUBLE STEPS SHALL BE PLASTIC ENCAPSULATED CARBON TO BS EN 1247-2 MANHOLE STEPS. STEP IRONS AT 300 CENTRES HORIZONTALLY AND VERTICALLY MAY BE USED AS AN ALTERNATIVE TO DOUBLE STEPS.



PLAN ON POLYPROPYLENE INSPECTION CHAMBER
(N.T.S)



SECTION OF POLYPROPYLENE INSPECTION CHAMBER
(N.T.S)

DO NOT SCALE OFF THIS DRAWING

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

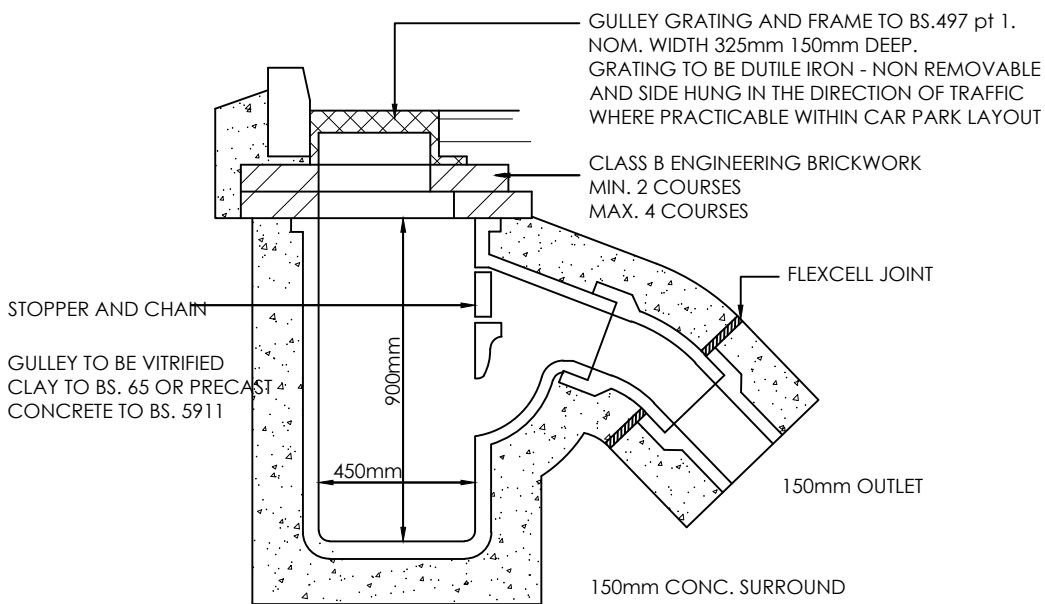
ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

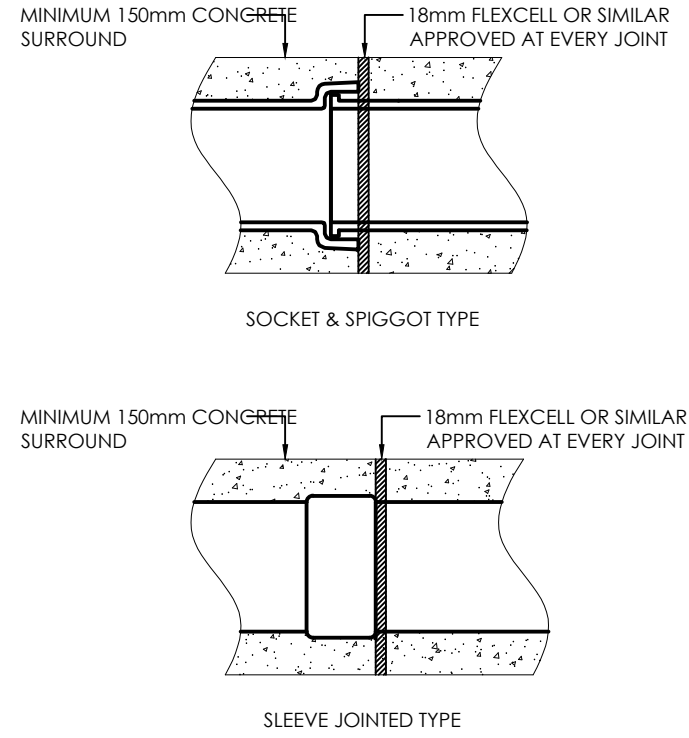
ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS. RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

THE PURPOSE OF THIS DRAWING IS FOR TYPICAL CONSTRUCTION DETAILS ONLY. MANHOLES / PIPE DIAMETERS / SUMP DEPTHS ETC WILL VARY ON PLAN.

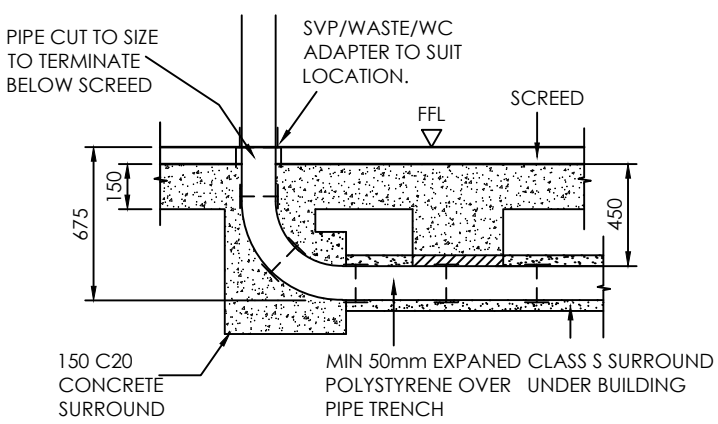
REFER TO DRAINAGE LAYOUT DRAWING FOR ALL PIPE SIZES, MANHOLE SIZES, PIPE LENGTHS, SUMP DEPTHS, STORAGE TANK CONFIGURATIONS, COVER LEVELS AND INVERT LEVELS



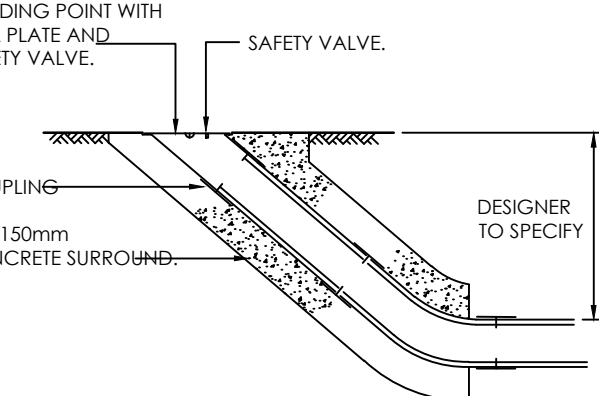
TYPICAL ROAD GULLEY DETAIL



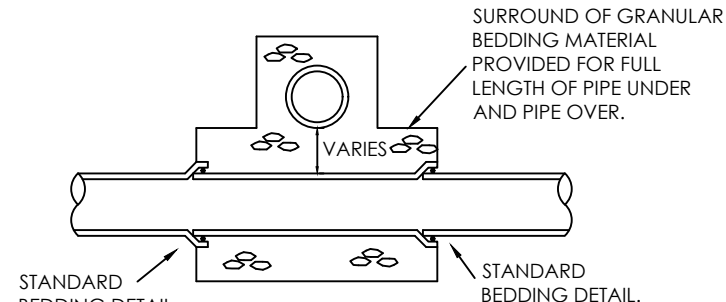
PLAN ON CONCRETE ENCASED PIPES
REQUIRED IN ROADWAYS & OTHER AREAS OF VEHICULAR TRAFFIC WHERE PIPE COVER IS LESS THAN 900mm (TO SOFFIT OF PIPE)



CONNECTION TO R.W.P/SWP/WASTE INSIDE BUILDING



RODDING EYE



PIPE CROSS OVER DETAIL

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0151 305 0700 www.shapeengineering.co.uk @shapetweets

PROJECT
Ducie St,
Manchester

TITLE
Drainage Details

P01	GP	First Issue	17.12.21
Rev	By	Description	Date
Revision Schedule			
Client Private			
Status	S1	Purpose of Issue	Preliminary
Designed By	GP	Approved By	EC
Drawn By	GP		
Project No.	2255	Sheet No.	C-0002
Scale (@ A1)	As Shown	DATE	17/12/2021
Rev	P01		