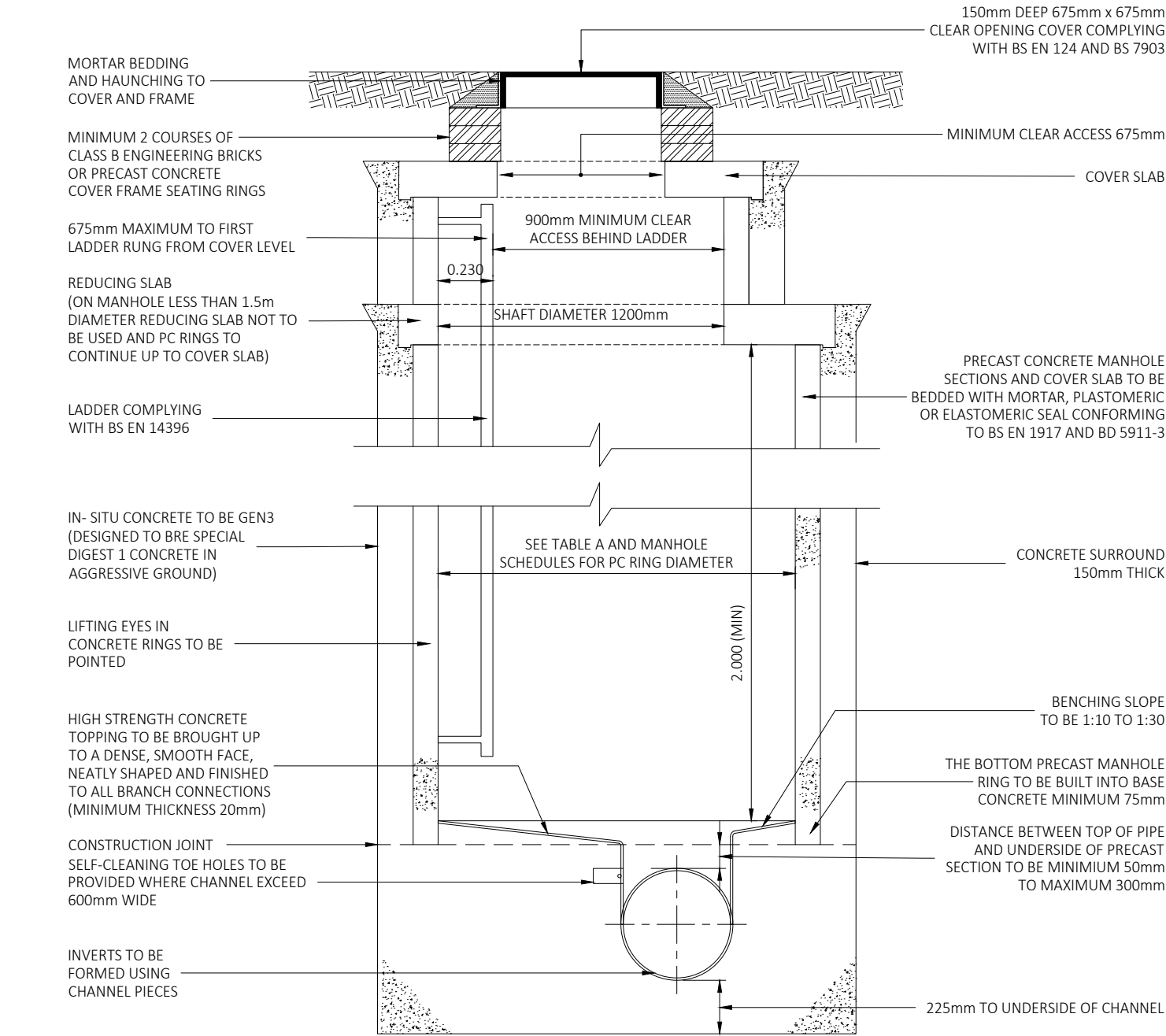
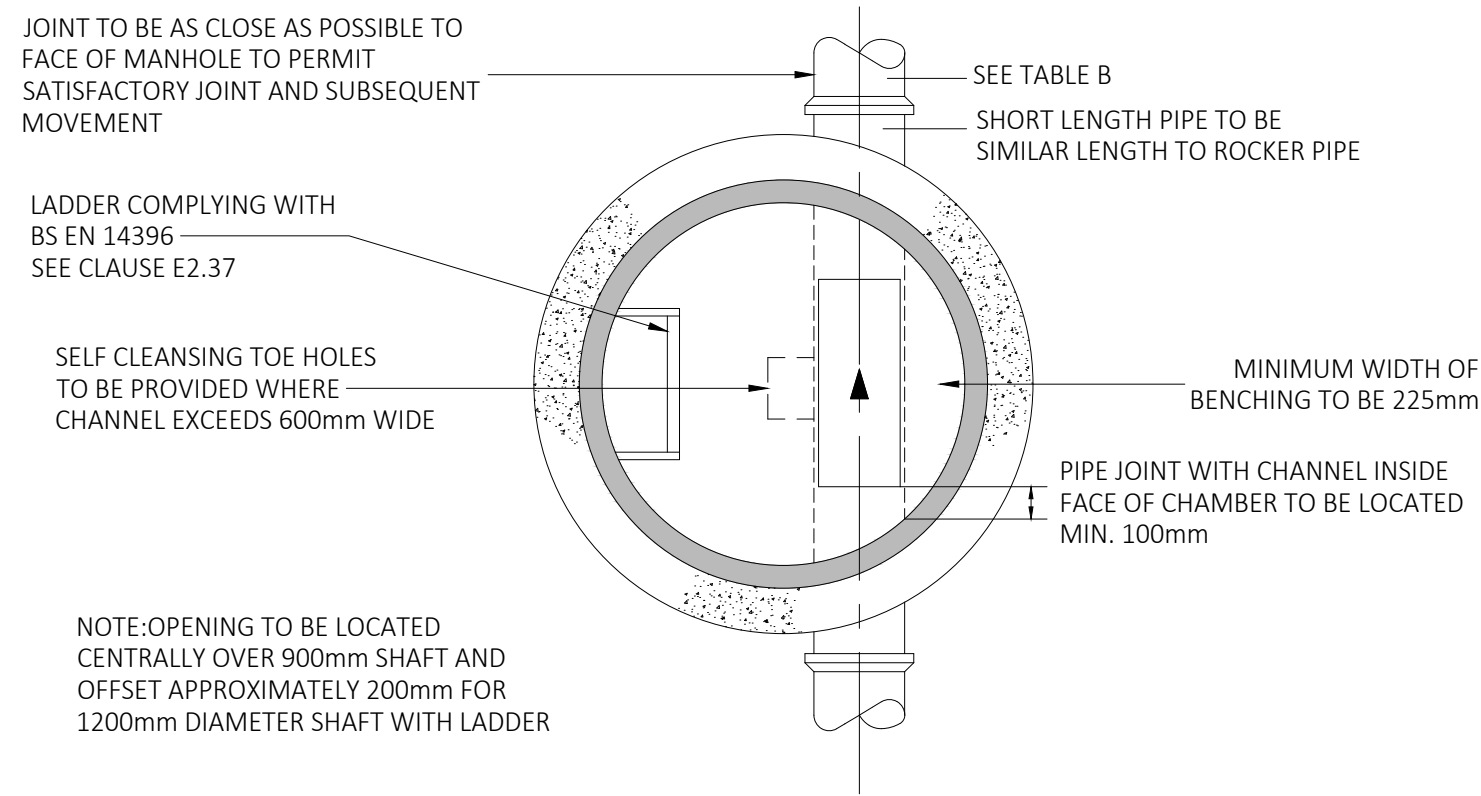


Filename: P:\Manchester Central Office\STRUCTURES\C-33445-The Limes Relocation_Um01_08_Drawing\33445-HYD-XX-XX-DR-C-0211 12 Drainage and External Pavement Details.dwg



TYPE 1A MANHOLE

Depth from cover to soffit of pipe 3 to 6m



TYPICAL MANHOLE DETAIL TYPE 1A

DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3m TO 6m

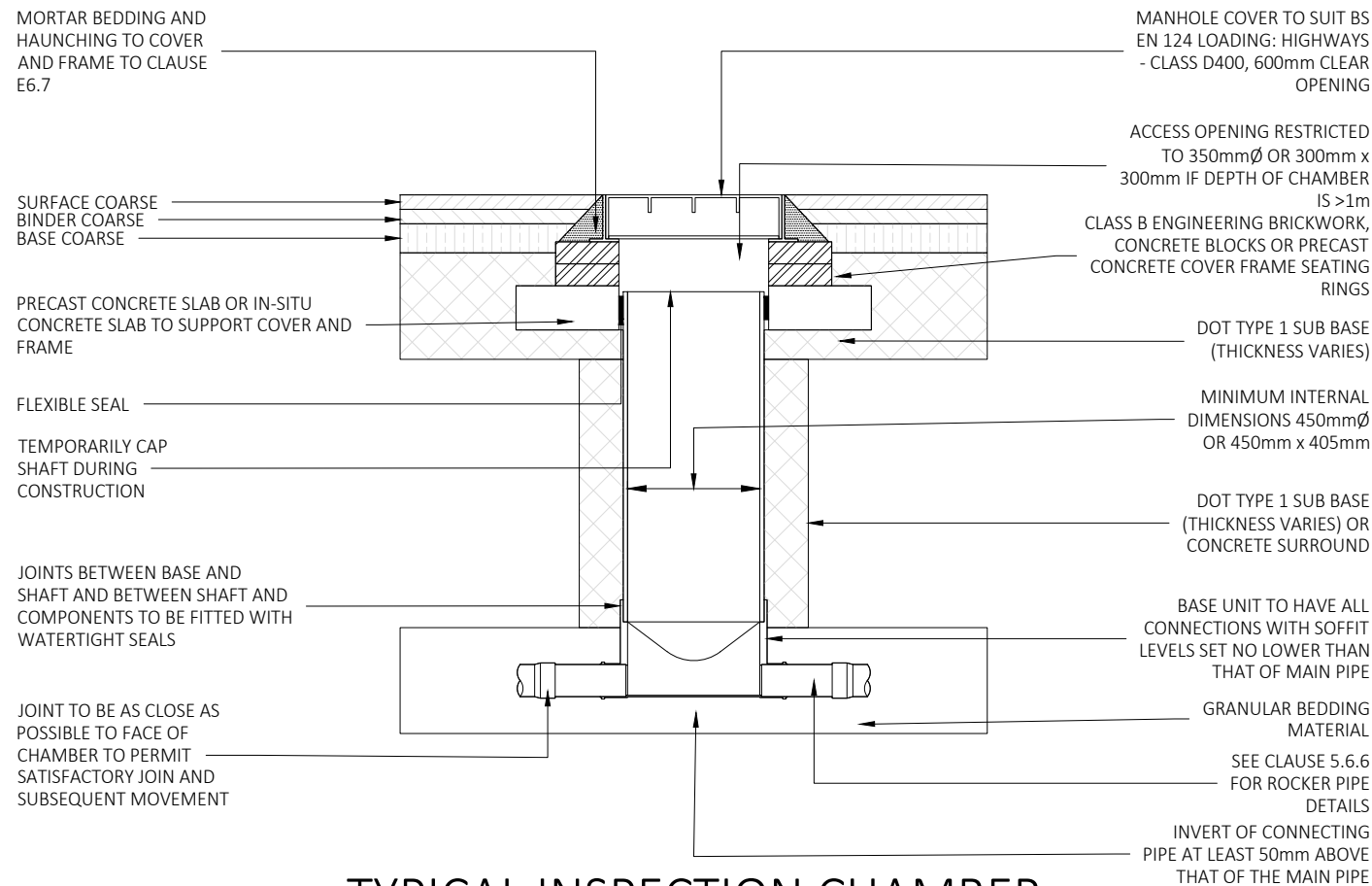
NOMINAL INTERNAL DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MINIMUM INTERNAL DIMENSION OF MANHOLE (mm)
< 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
> 900	PIPE DIAMETER + 900

TABLE A
MANHOLE DIAMETERS

NOTE: RIGID PIPES BUILT INTO MANHOLE SHOULD HAVE A FLEXIBLE JOINT AS CLOSE AS FEASIBLE TO THE EXTERNAL FACE OF THE STRUCTURE (WITHIN 150mm FOR PIPE DIAMETERS LESS THAN 300mm) AND THE LENGTH OF THE NEXT ROCKER PIPE SHOULD BE AS SHOWN IN TABLE B.

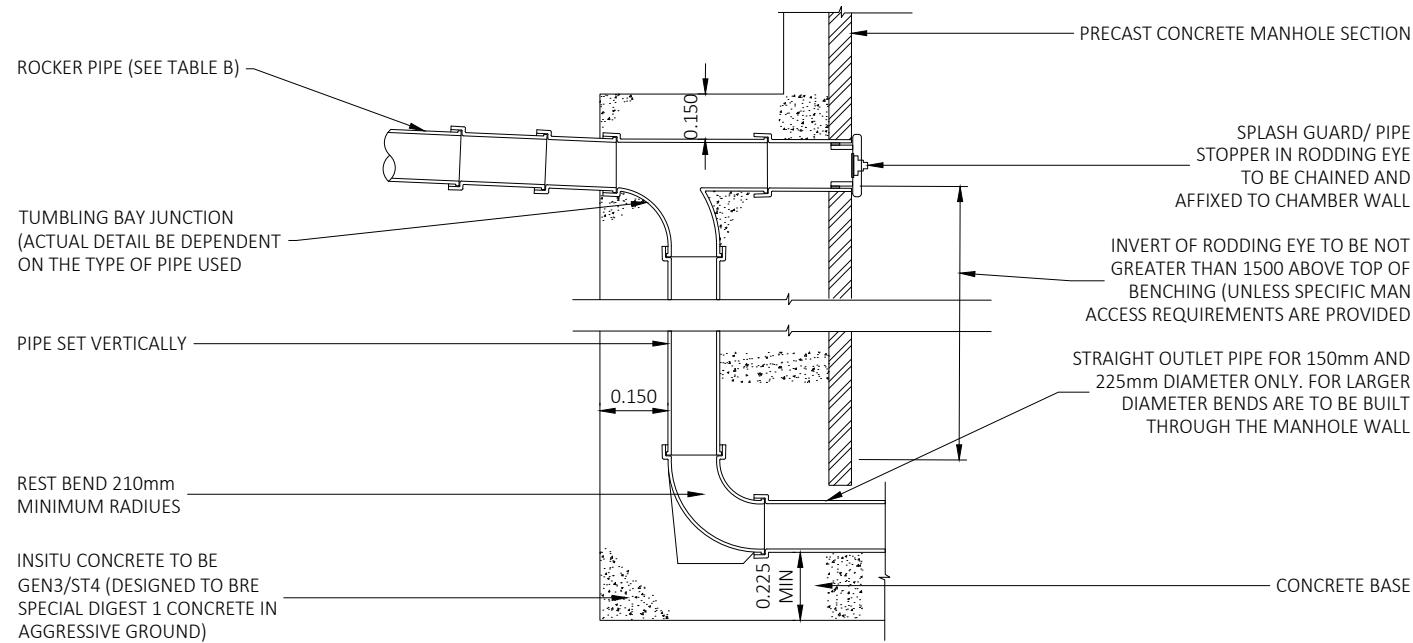
NOMINAL DIAMETER (mm)	MAXIMUM EFFECTIVE LENGTH (m)
150 - 600	0.6
600 - 750	1.0
OVER 750	1.25

TABLE B
ROCKER PIPE LENGTHS

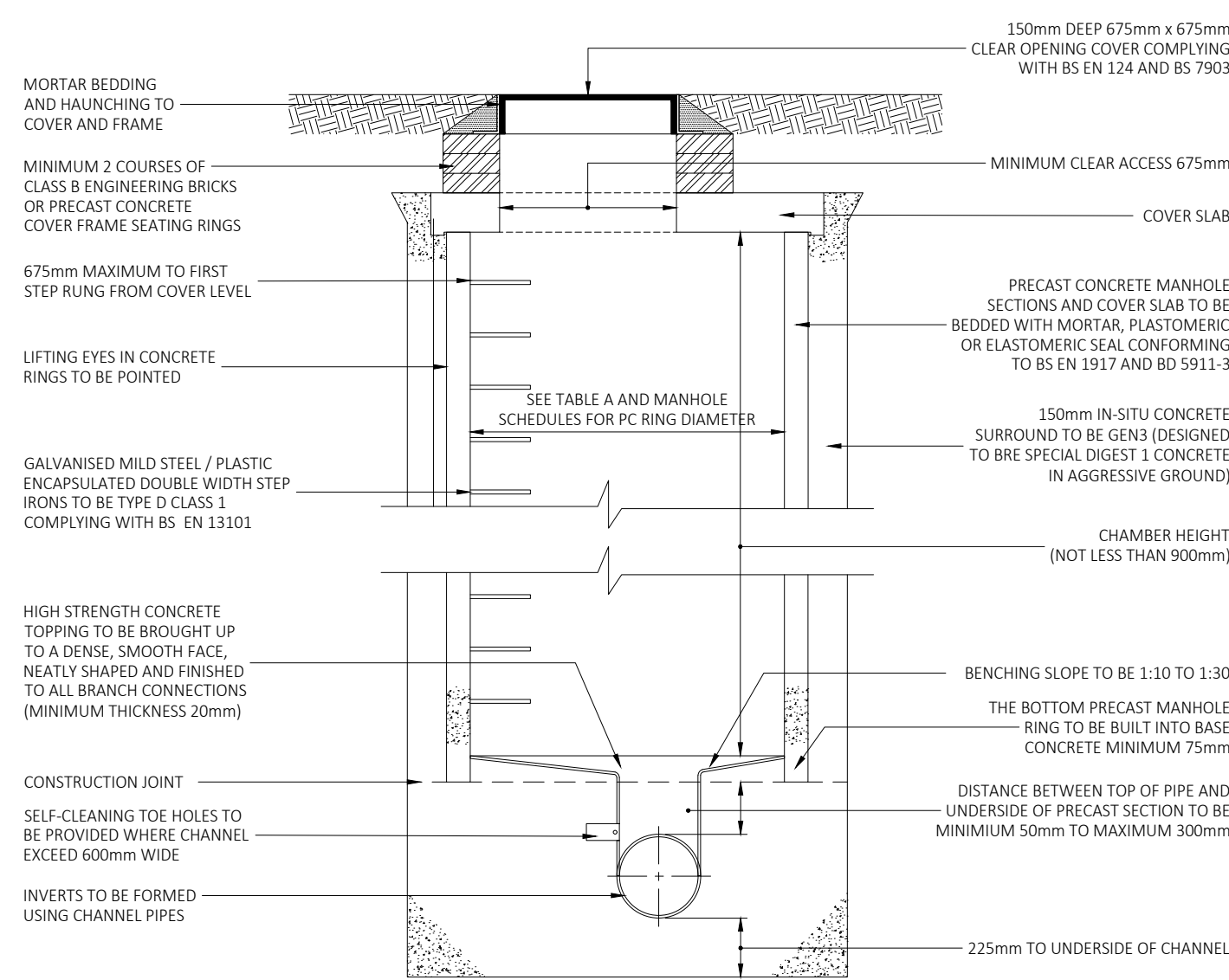


TYPICAL INSPECTION CHAMBER
DETAIL TYPE 3 (FLEXIBLE MATERIAL)

Maximum depth from cover level to soffit of pipe in areas subject to vehicle loading 3m, non entry

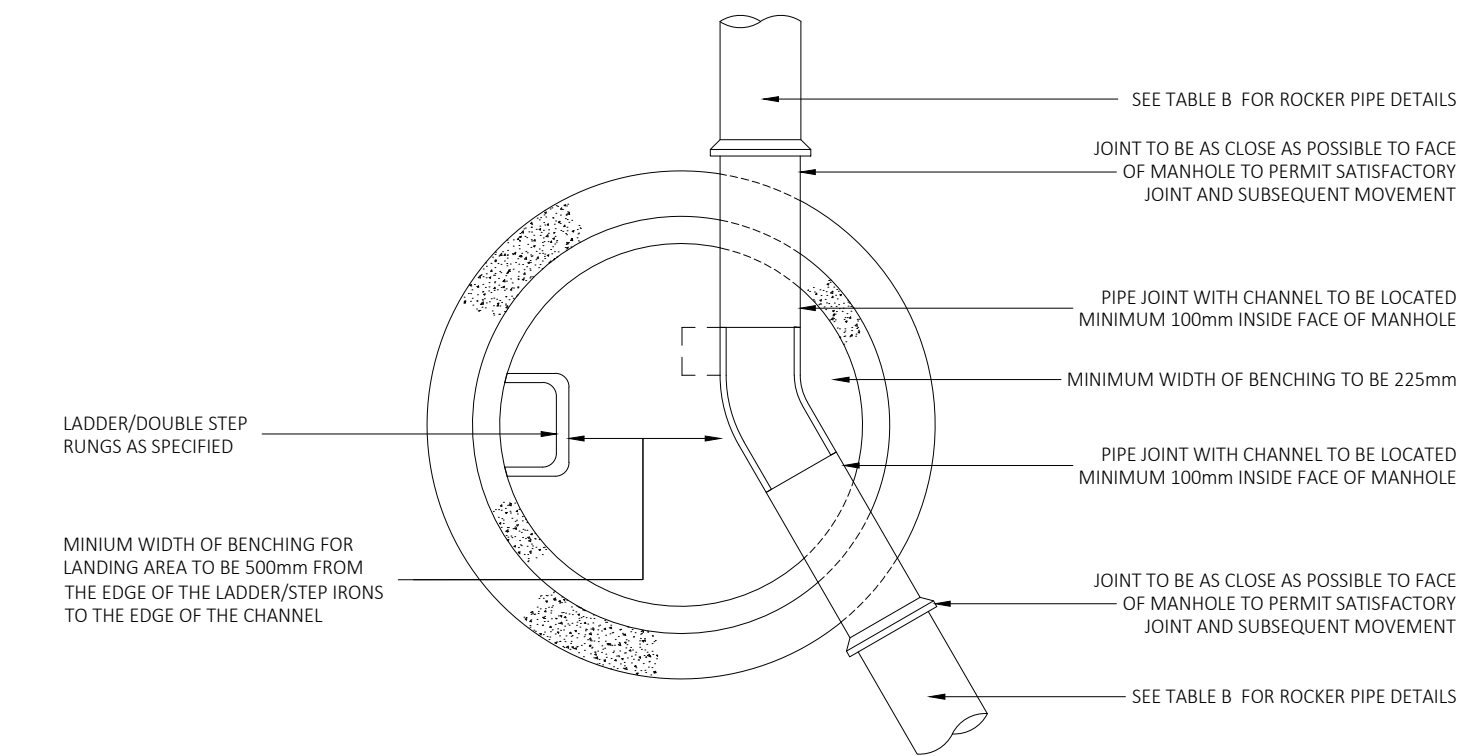


VERTICAL BACKDROP DETAIL



TYPE 2 MANHOLE

Maximum depth from cover to soffit of pipe 3.0m



PRECAST CONCRETE MANHOLE - PLAN

DO NOT SCALE

NOTES:

- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BEFORE THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT AND ENGINEER FOR VERIFICATION.
- FIGURED DIMENSIONS ONLY ARE TO BE TAKEN FROM THIS DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS' AND SERVICE ENGINEERS' DRAWINGS AND SPECIFICATIONS.

REVISIONS

P02	Details Amended	21/10/24	JM	CF NB
P01	First Issue	18/09/24	JK	CF NB
Rev.	Revision Notes	Date	Drawn By	Checked Approved



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THE UNIVERSITY OF MANCHESTER

PROJECT

THE LIMES RELOCATION

TITLE

CONSTRUCTION DETAILS SHEET 1

HYDROCK PROJECT NO. C-33445		SCALE @ A1 NTS	
STATUS DESCRIPTION SUITABLE FOR INFORMATION			STATUS S2
DRAWING NO. 33445-HYD-XX-XX-DR-C-0211			REVISION P02