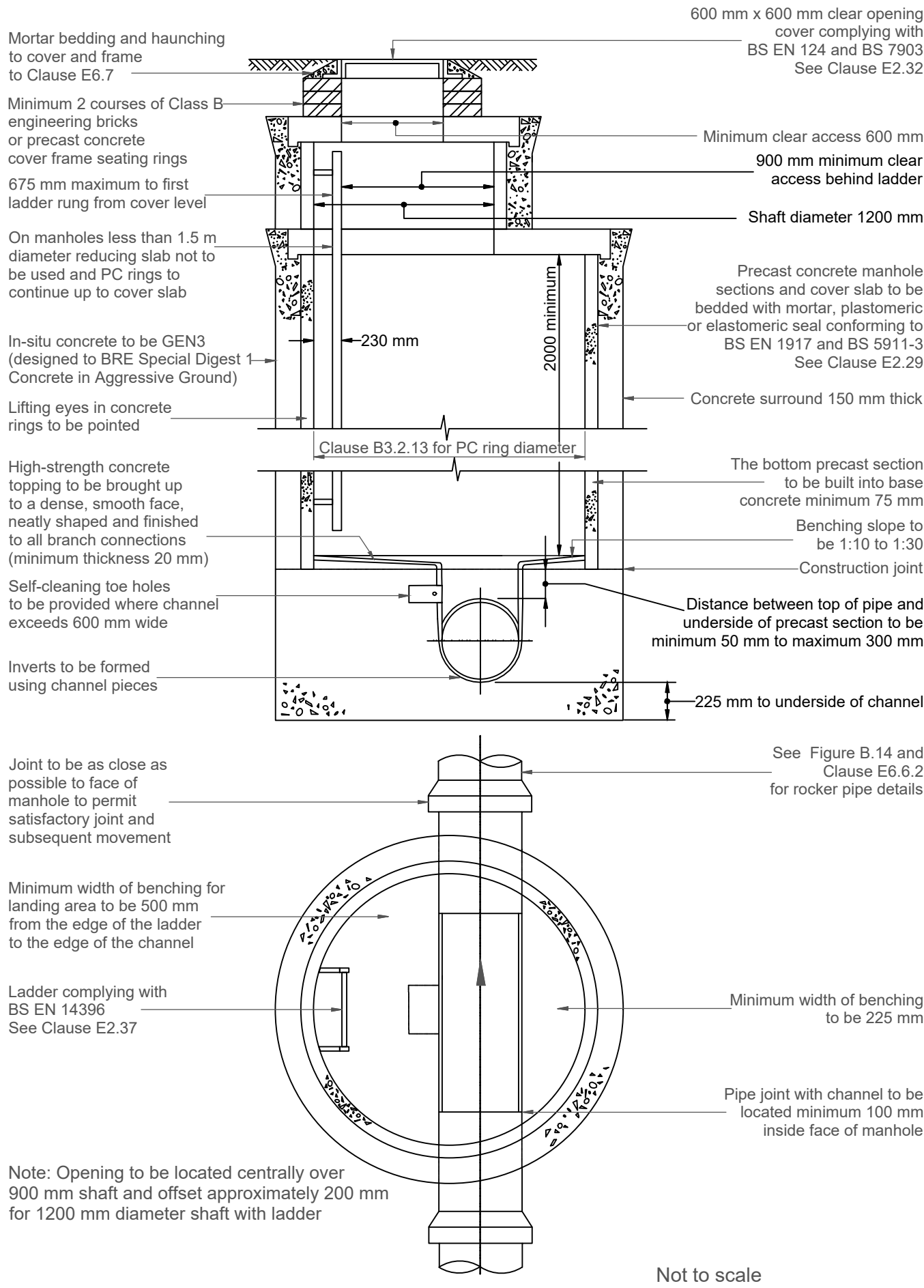
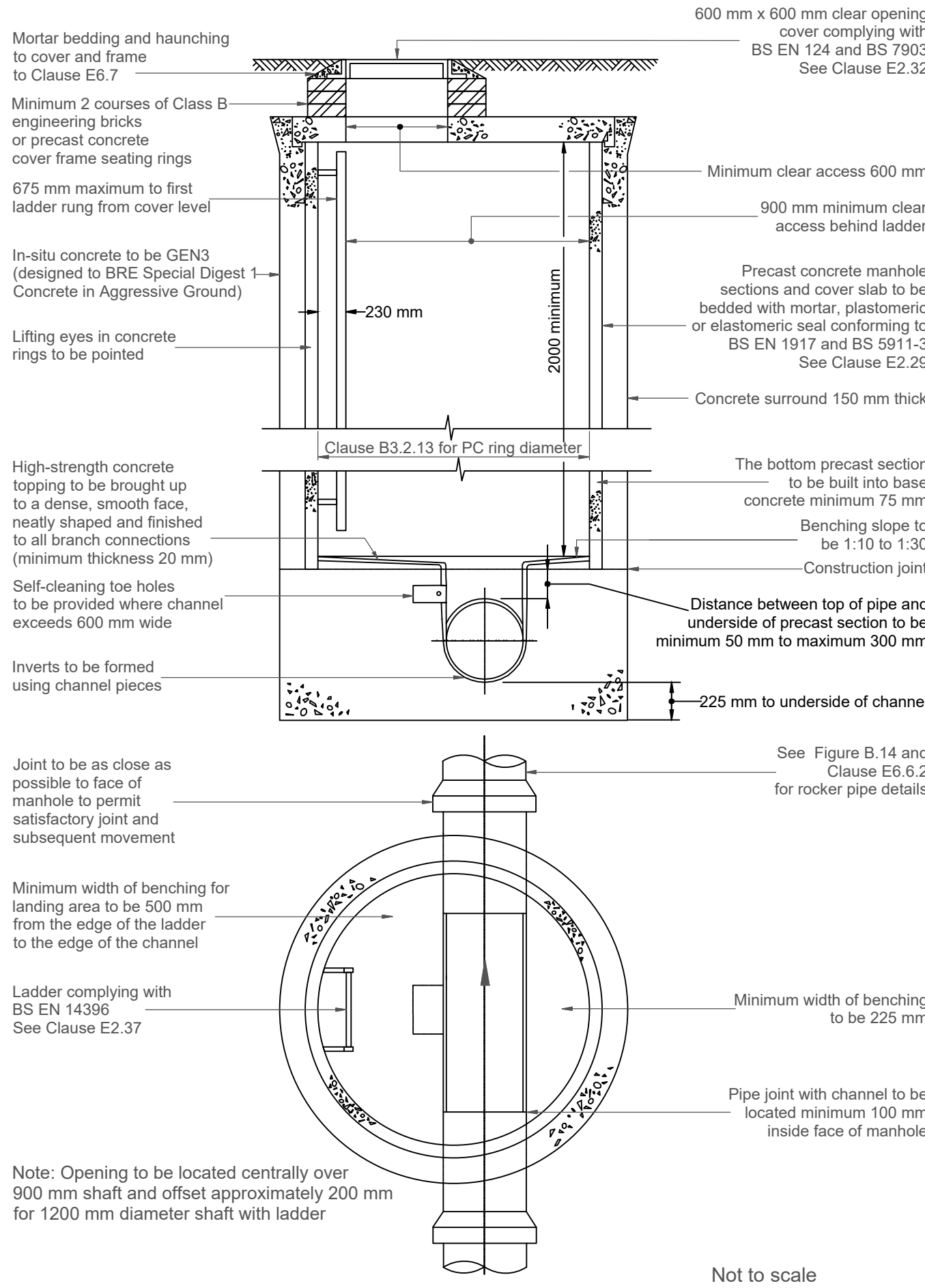


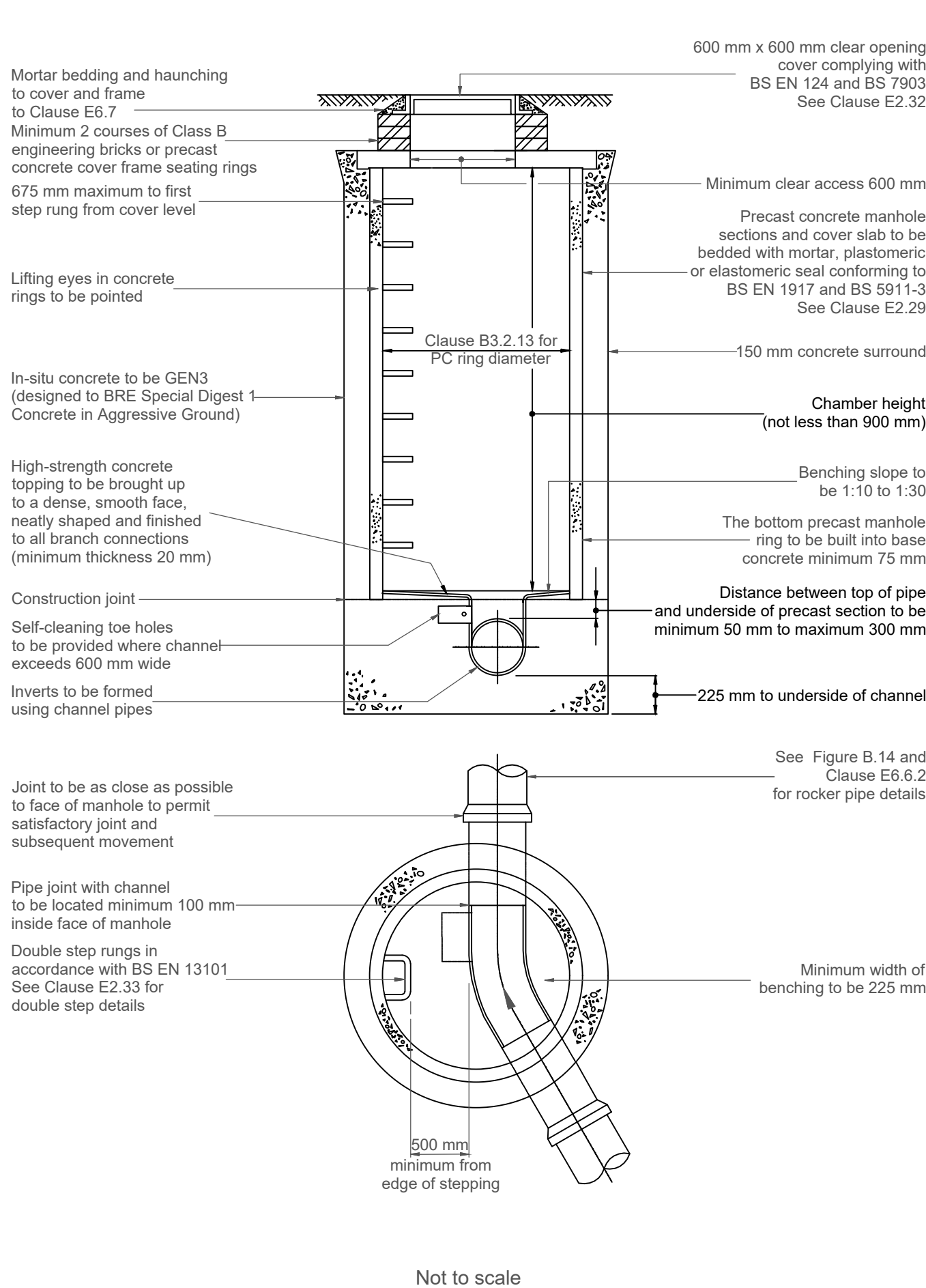
TYPICAL MANHOLE DETAIL - TYPE A1
Depth from cover level to soffit of pipe 3 m to 6 m



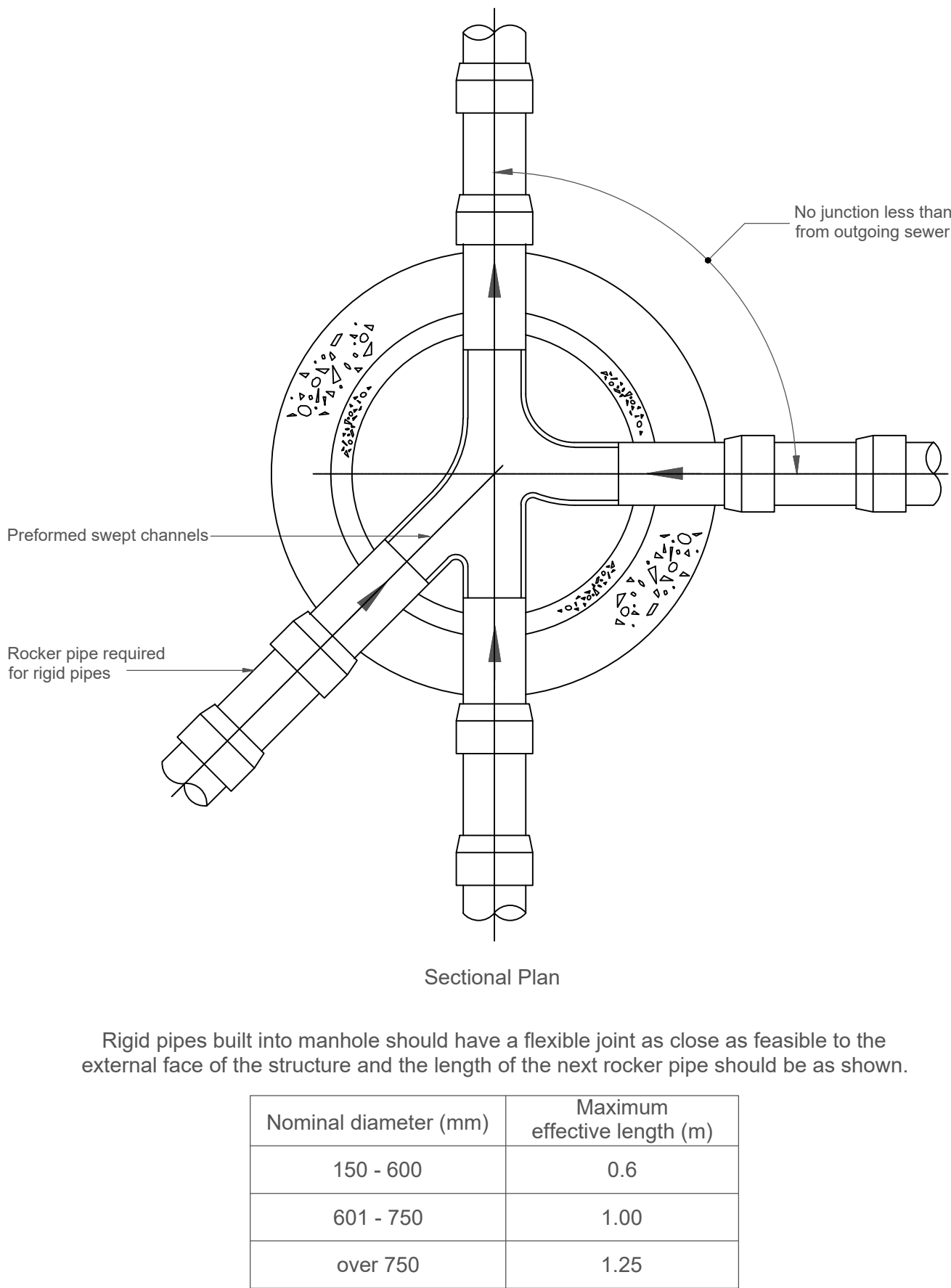
TYPICAL MANHOLE DETAIL - TYPE A2
Depth from cover level to soffit of pipe 3 m to 6 m



TYPICAL MANHOLE DETAIL - TYPE B
Maximum depth from cover level to soffit of pipe 3.0 m



TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES



CONNECTIONS TO SEWER

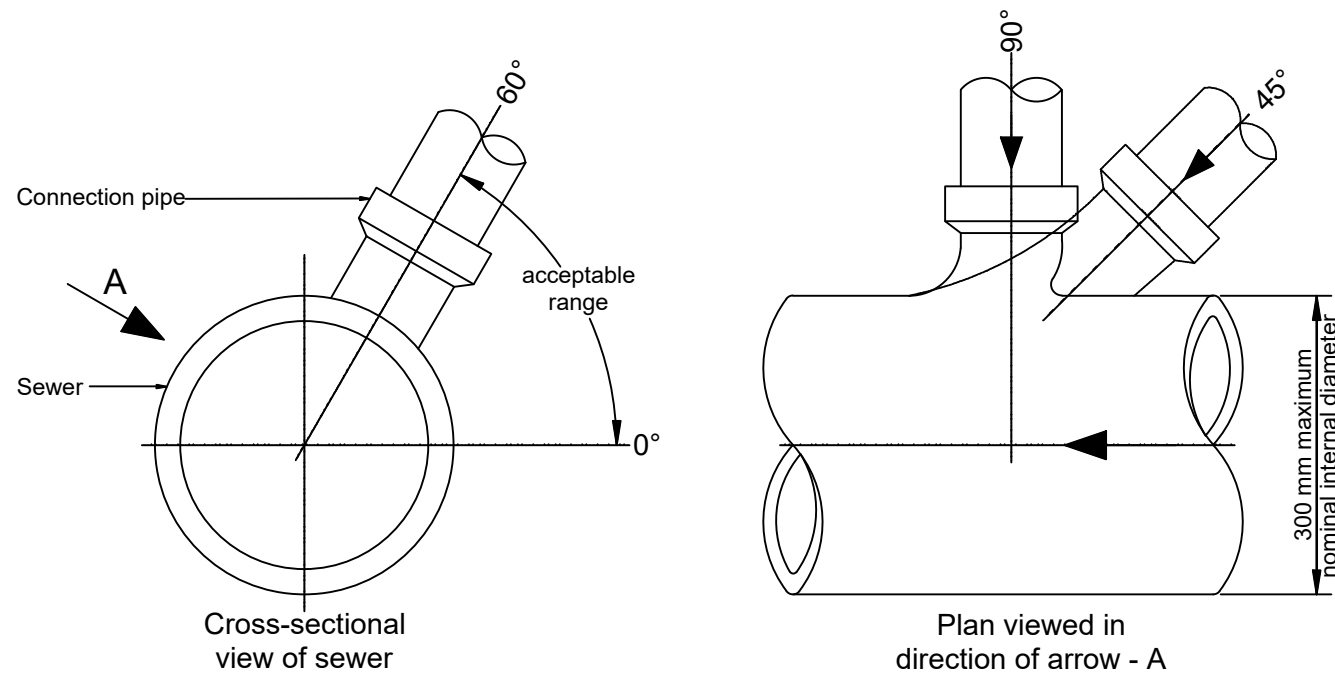
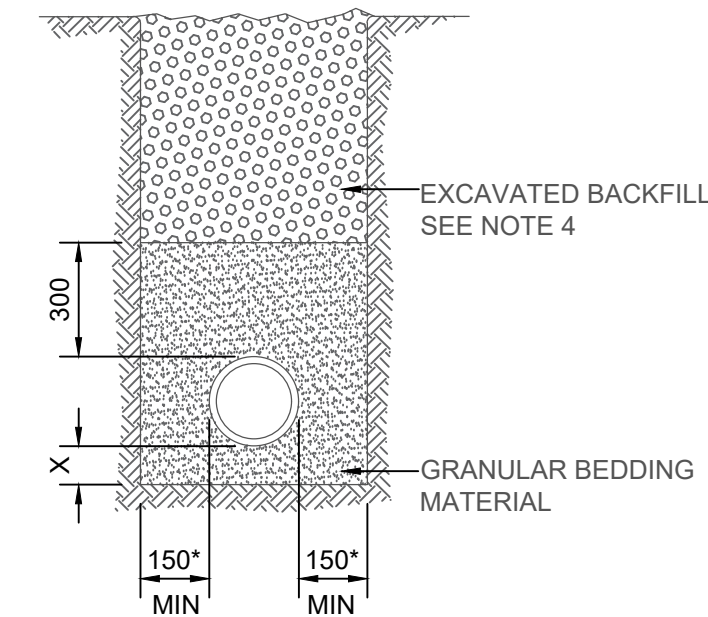
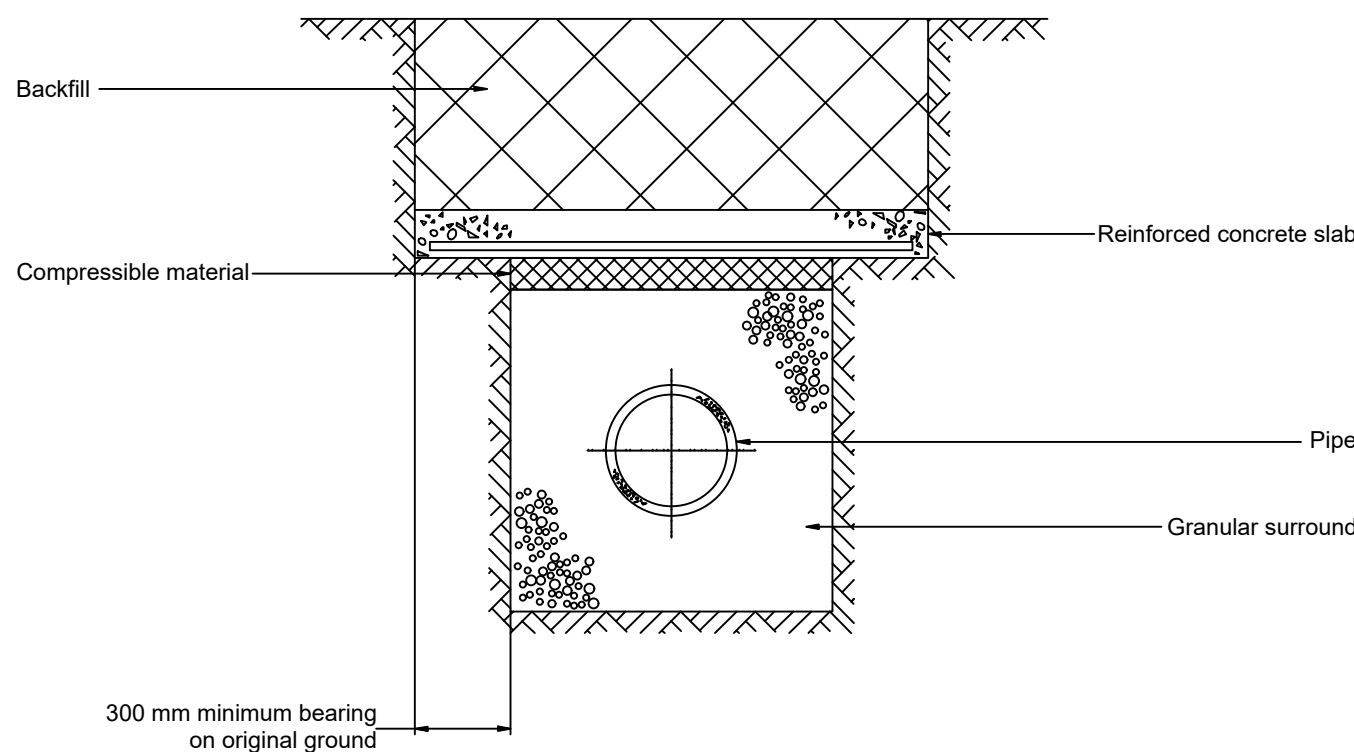
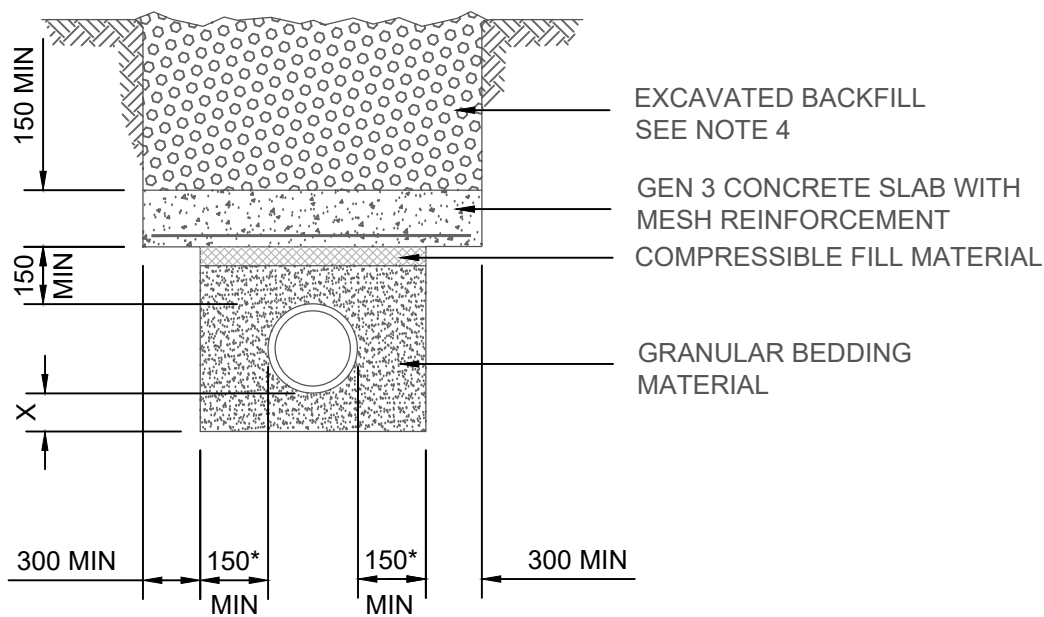


FIGURE B.25
PROTECTION OF PIPES LAID AT SHALLOW DEPTHS



CLASS S BEDDING



CONCRETE SLAB PROTECTION

REINFORCEMENT IN SLAB TO SUIT LOADING CONDITION

BEDDING NOTES:

- * = 150 FOR PIPES DIAMETER UP TO 300mm.
* = 200mm FOR PIPE DIAMETERS OVER 300mmØ
BASED ON NARROW TRENCH THEORY: DESIGNER TO CONFIRM FOR SPECIFIC PIPELINE.
- BACKFILL MATERIAL TO BE SELECTED EXCAVATED MATERIAL WHERE THIS MATERIAL COMPLIES WITH CESWI. ADDITIONAL MATERIAL TO MAKE UP ANY DEFICIENCY TO BE GRANULAR SUB-BASE TYPE 1 UNLESS STATED OTHERWISE.

NOMINAL BORE OF PIPE (min)	AGGREGATE SIZE (mm)	
	SINGLE SIZED	GRADED
100	10	-
150	10 OR 14	14 TO 5
225-300	10,14 OR 20	14 TO 5 OR 20 TO 5
375-525	14 OR 20	14 TO 5 OR 20 TO 5
EXCEEDING 525	14,20 OR 40	14 TO 5 OR 20 TO 5
		40 TO 5

- DIM X > 100mm FOR PIPES < 100mmØ
DIM X > 150mm FOR PIPES > 100mmØ
DIM X > 200mm FOR PIPES TRENCHES IN ROCK
- IN WET, SOFT, OR SILTY SOILS, WHERE LATERAL SUPPORT IS NOT OBTAINED OR WHERE FINES MAY MIGRATE, THE GRANULAR BEDDING MATERIAL SHALL BE SURROUNDED BY GEOTEXTILE FABRIC WITH MIN 200 OVERLAP.
 - TRENCH BACKFILL TO MEET HIGHWAY SPECIFICATION WHEN LAID IN ROAD OR FOOTPATH.
 - COMPRESSIBLE FILLER SHALL BE BITUMEN-IMPREGNATED INSULATING BOARD TO BS 622-1. THICKNESS AS TABLE.

NOMINAL DIAMETER OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450mm	18
450-1200mm	36
EXCEEDING 1200mm	54

TYPICAL PIPE BEDDING DETAILS

SCALE 1:20

DO NOT SCALE this drawing. Use figured dimensions only. The Contractor must check & verify all dimensions on site. Any discrepancies must be reported immediately to the Engineer for clarification before proceeding. This drawing is copyright and owned by Morgan Civil + Structural.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION Refer to the relevant Construction (Design and Management) documentation where applicable. It is assumed that all works on this drawing will be carried out by a competent contractor, working where appropriate to an approved method statement.

P01 04/03/26 First Issue AM

Rev Date Description By

Client

Redcliffe Homes

Project

Woodlands Road, Mere

Title

Section 104 Adoptable Sewer Details Sheet 1

Drawing Status

APPROVAL

Drawn Checked Approved Date Scale @ A1

AM NT NT FEB 2026 AS SHOWN

Project No. Drawing No. Revision

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Morgan Civil + Structural

www.morgancs-consult.com | enquiries@morgancs-consult.com
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