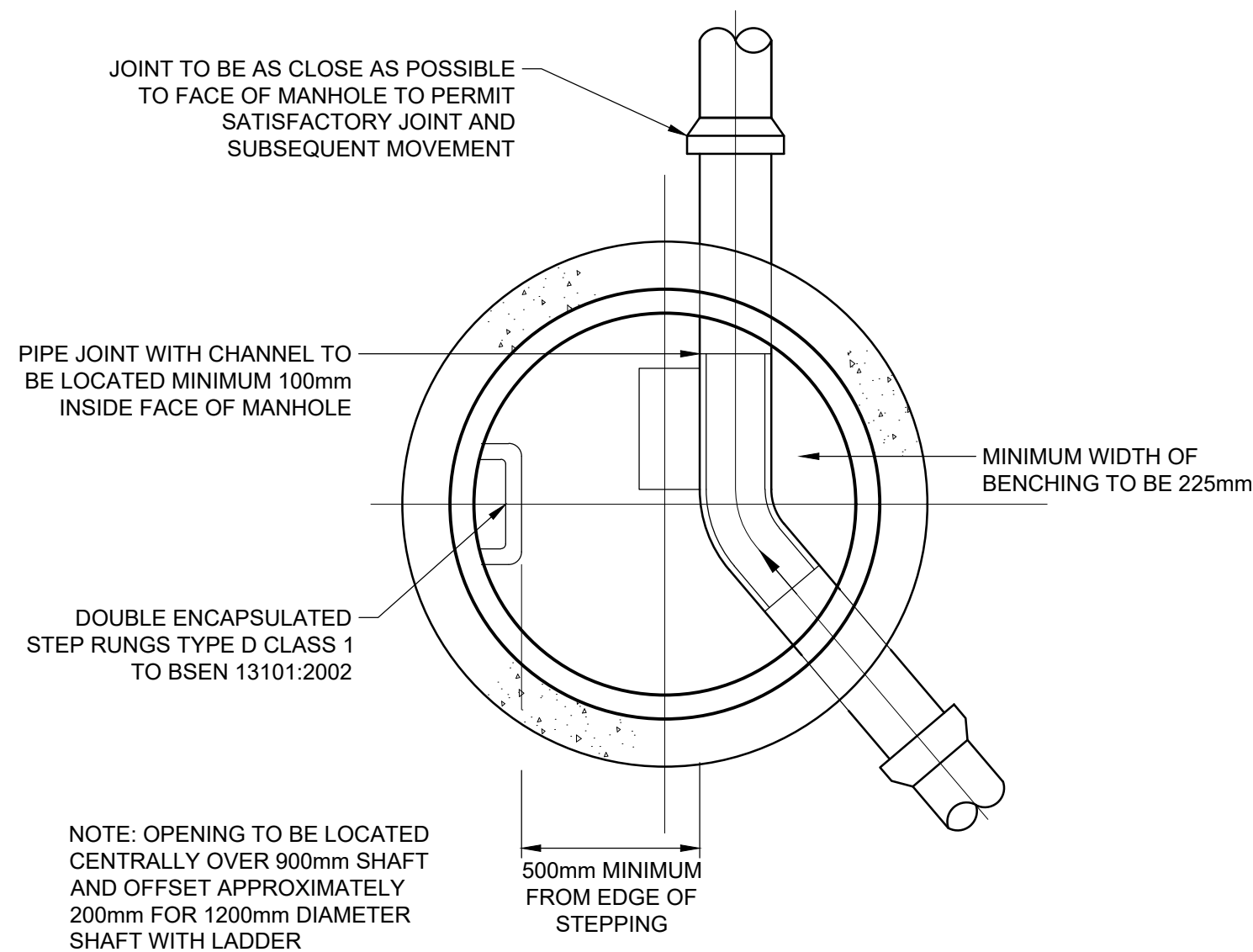
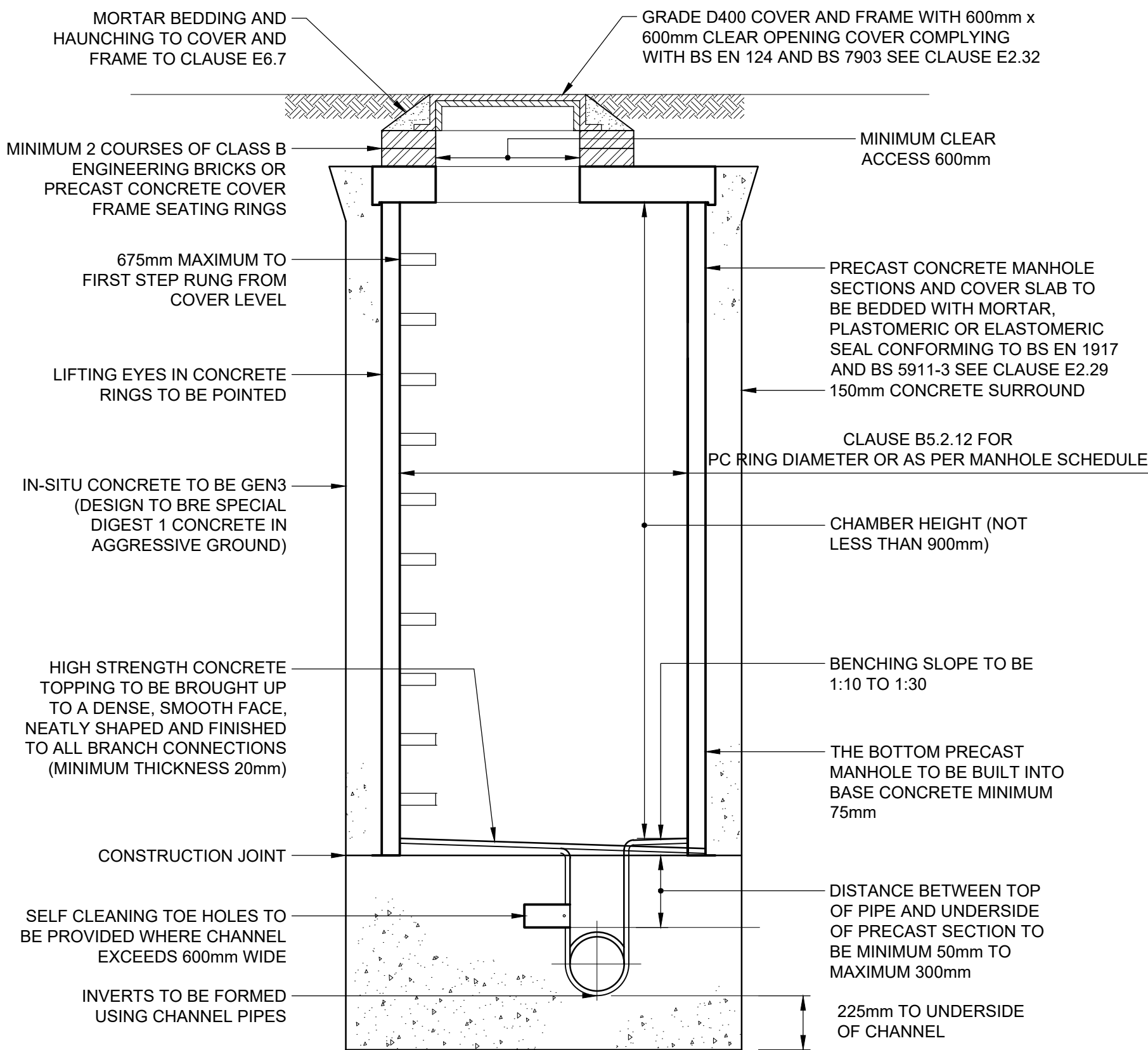
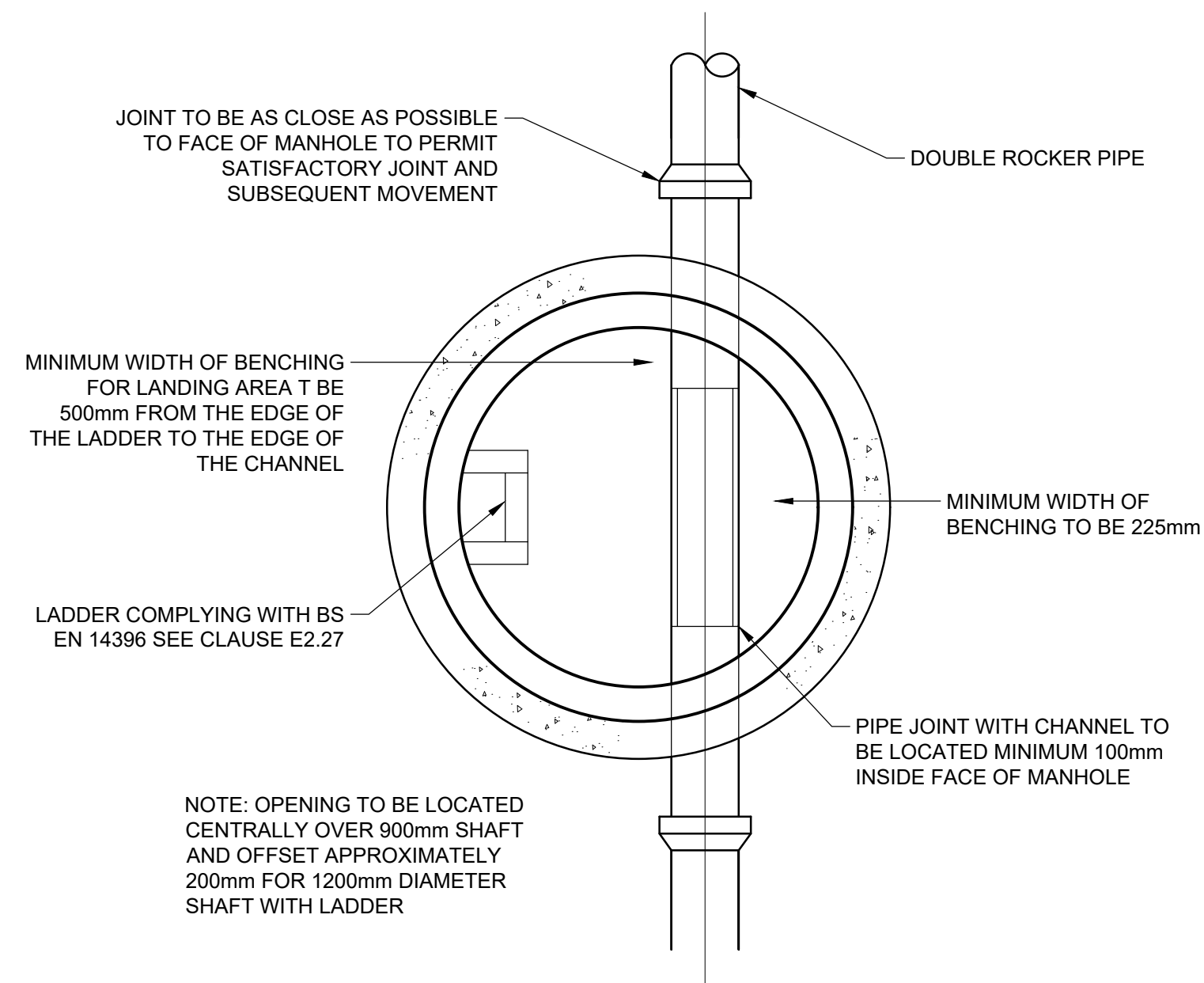
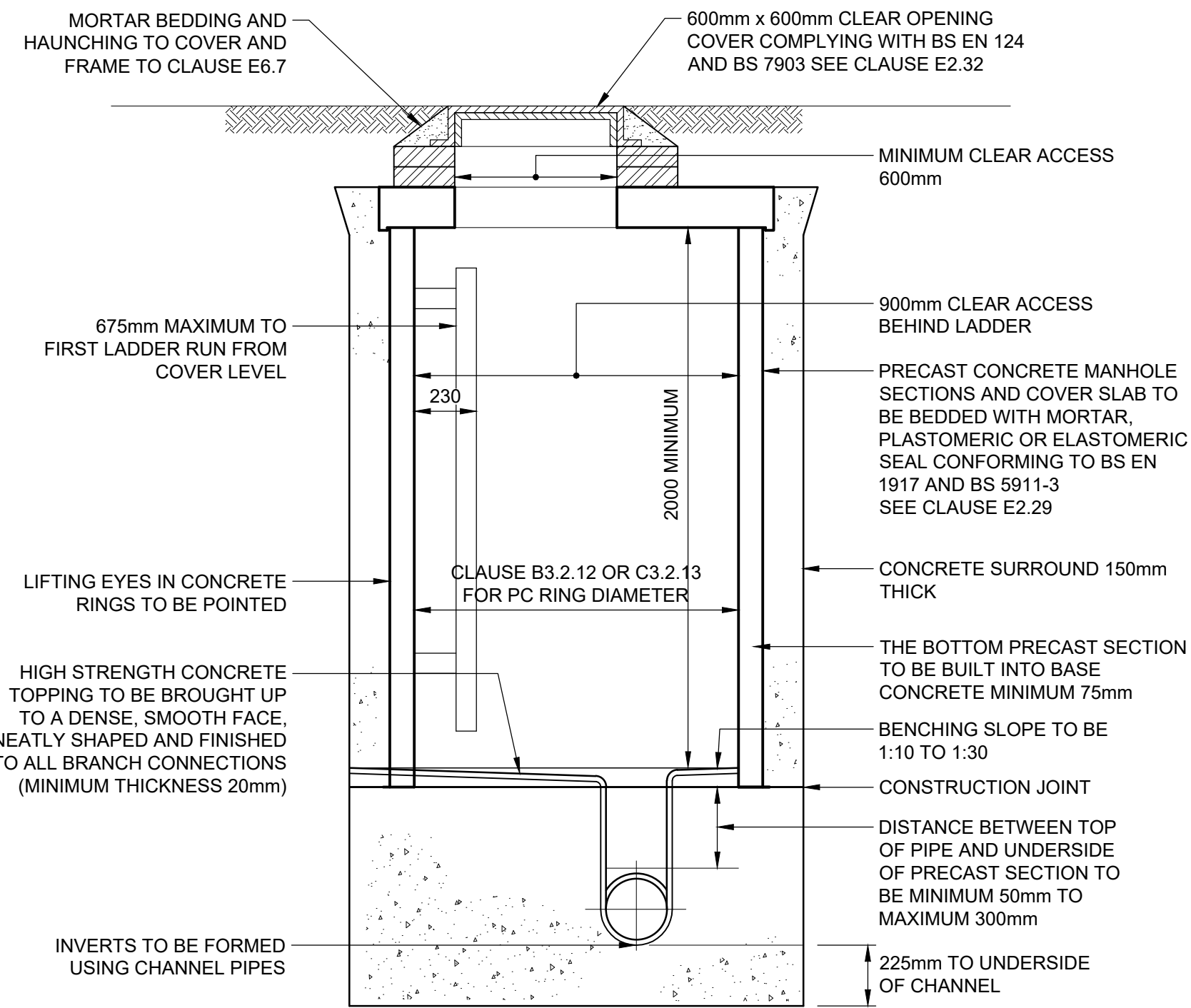




TYPICAL MANHOLE DETAIL - TYPE B
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m



TYPICAL MANHOLE DETAIL - TYPE A2
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m TO 6m

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS AND SPECIFICATIONS ISSUED BY THE ARCHITECT, ENGINEER, ANTLER HOMES SPECIFICATIONS AND NHBC STANDARDS.
 - IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS OR ANY OTHER DISCREPANCIES ARE FOUND THESE SHOULD BE REPORTED TO THE ENGINEER AND/OR CLIENT IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
 - ANY SOFT SPOTS TO BE REMOVED AND REPLACED WITH TYPE 1 MATERIAL OR ENGINEER APPROVED MATERIAL.
 - DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - PIPE BEDDING GRANULAR MATERIAL - 50MM FOR SLEEVED PIPES AND 1/6 OUTSIDE PIPE DIA. OR 100MM WHICHEVER IS THE GREATER FOR SOCKET PIPES.
 - WHERE GROUND CONDITIONS DICTATE CONCRETE TO BE SULPHATE RESISTANT.
 - ALL PIPES ENTERING INSPECTION CHAMBER / MANHOLE OR OTHER STRUCTURE TO INCORPORATE ROCKER PIPES MIN. 600MM LONG AND FLEXIBLE JOINTS
 - DRAINS TO BE CONSTRUCTED UNDER DWELLINGS WITH SUSPENDED FLOOR SLABS SHOULD EITHER BE INSTALLED USING A PROPRIETARY HANGER SYSTEM WHERE "BEAM AND POT" OR SIMILAR CONSTRUCTION IS USED, OR SHOULD BE CAST INTO LOCAL SLAB THICKENING WHERE REINFORCED CONCRETE GROUND SLABS ARE TO BE POURED IN SITU.
 - PIPE LAYING IN MADE / SOFT GROUND**
WHERE THE TRENCH FORMATION HAS LITTLE BEARING STRENGTH AND THEREFORE WILL NOT SUPPORT PIPE BEDDING MATERIAL EFFECTIVELY, IT IS NECESSARY TO PROVIDE A STABLE FORMATION BEFORE PIPE LAYING. SUCH CONDITIONS MOST COMMONLY OCCUR IN PEAT, SILTY GROUND, SOFT TO VERY ALLUVIAL CLAYS, RUNNING SAND OR IN ARTIFICIALLY FILLED GROUND. THE TRENCH FORMATIONS AND MANHOLE BASE SHOULD BE OVER-EXCAVATED BY 600-800MM, DEPENDING ON THE BEARING STRENGTH OF THE GROUND. GRAVEL REJECT MATERIAL OR SMALL HARDCORE, LESS THAN 75MM, IS THEN COMPACTED IN LAYERS TO FORM A FIRM TRENCH BOTTOM. A 50MM THICKNESS OF LEAN-MIX CONCRETE IS THEN PLACED AS BINDING. THE PIPE IS THEN LAID ON GRANULAR BEDDING MATERIAL. THE PIPE BEDDING CONSTRUCTION REQUIREMENTS ARE CALCULATED IN THE NORMAL WAY, BUT IT IS IMPORTANT THAT 'WIDE TRENCH' DESIGN CRITERIA ARE USED BECAUSE 'NARROW TRENCH' CONDITIONS CANNOT BE GUARANTEED IN THIS SITUATION.

**FOR CONSTRUCTION -
SUBJECT TO APPROVAL**

D	ISSUE FOR CONSTRUCTION	EW	LG	BAC	14.03.25
C	DETAILS UPDATED TO REFLECT LATEST SITE DESIGN	LG	SW	SW	08.08.24
B	DETAILS UPDATED TO LATEST ANTLER HOMES SITE LAYOUT AMENDMENTS	LG	BC	BC	29.04.24
A	DETAILS UPDATED TO LATEST ANTLER HOMES SITE LAYOUT AMENDMENTS	LG	SW	SW	22.02.24
Rev	Amendments	Dm	Chk	App	Date

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Job Title			ST ANNE'S DRIVE WOKINGHAM		
Drawing Title			DRAINAGE CONSTRUCTION DETAILS SHEET 4 OF 4		
Client			ANTLER HOMES		
Scale	1:20 @A1	Date	JAN 24	Designed	LG
Drawn	RML	Checked	SW	Approved	SW
Job No	23-190	Drawing No	23-190-238	Rev	D