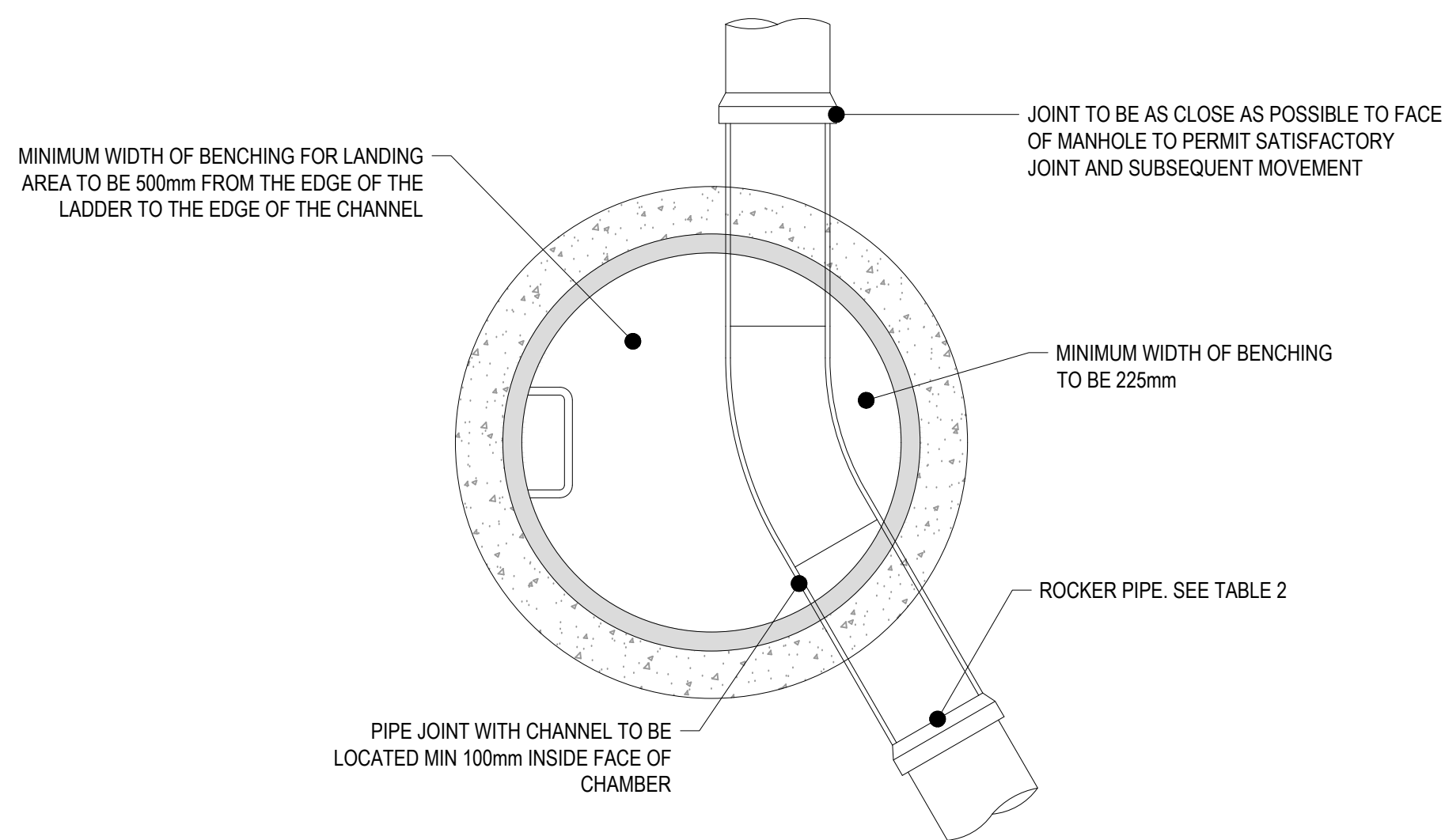
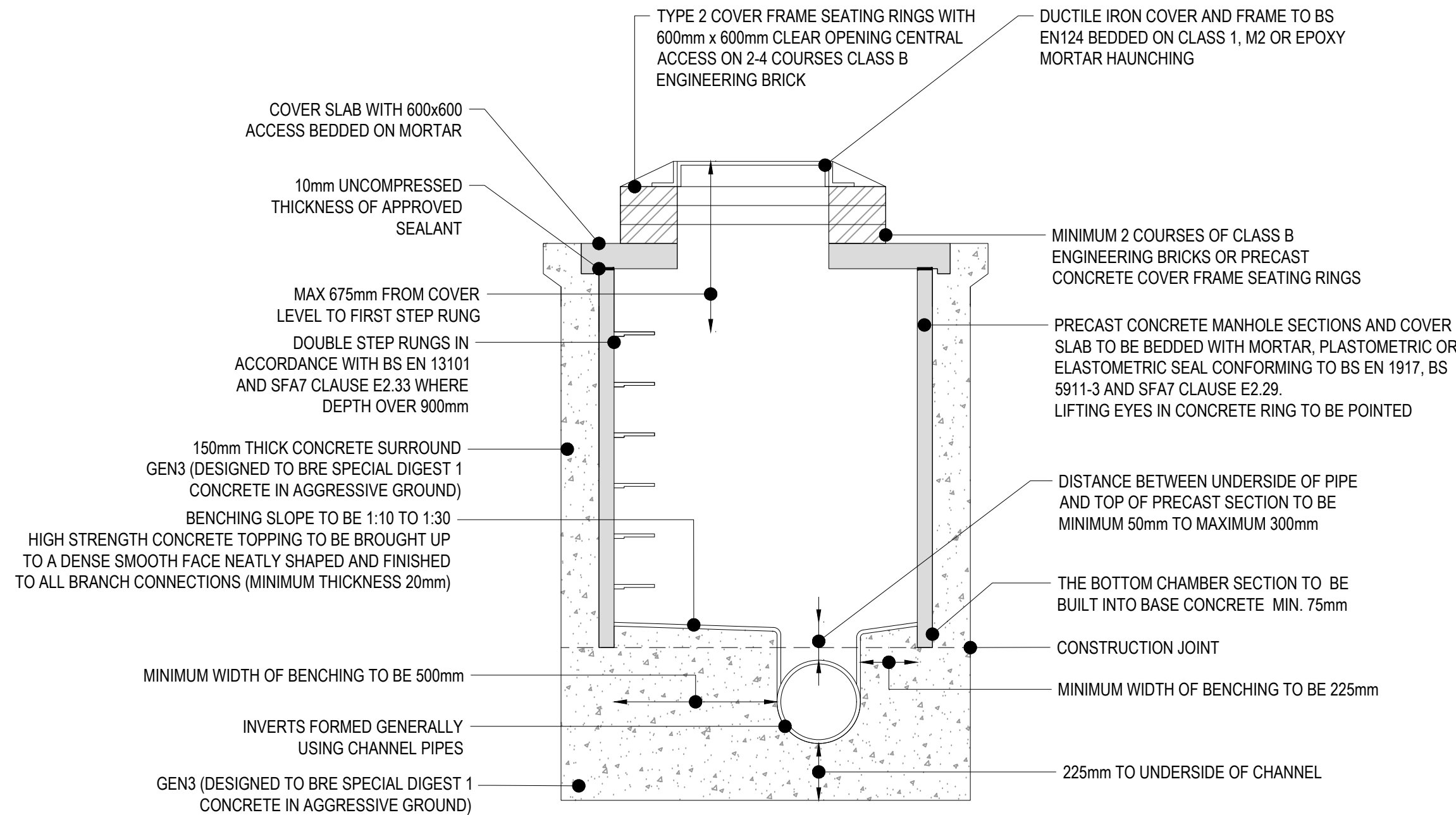
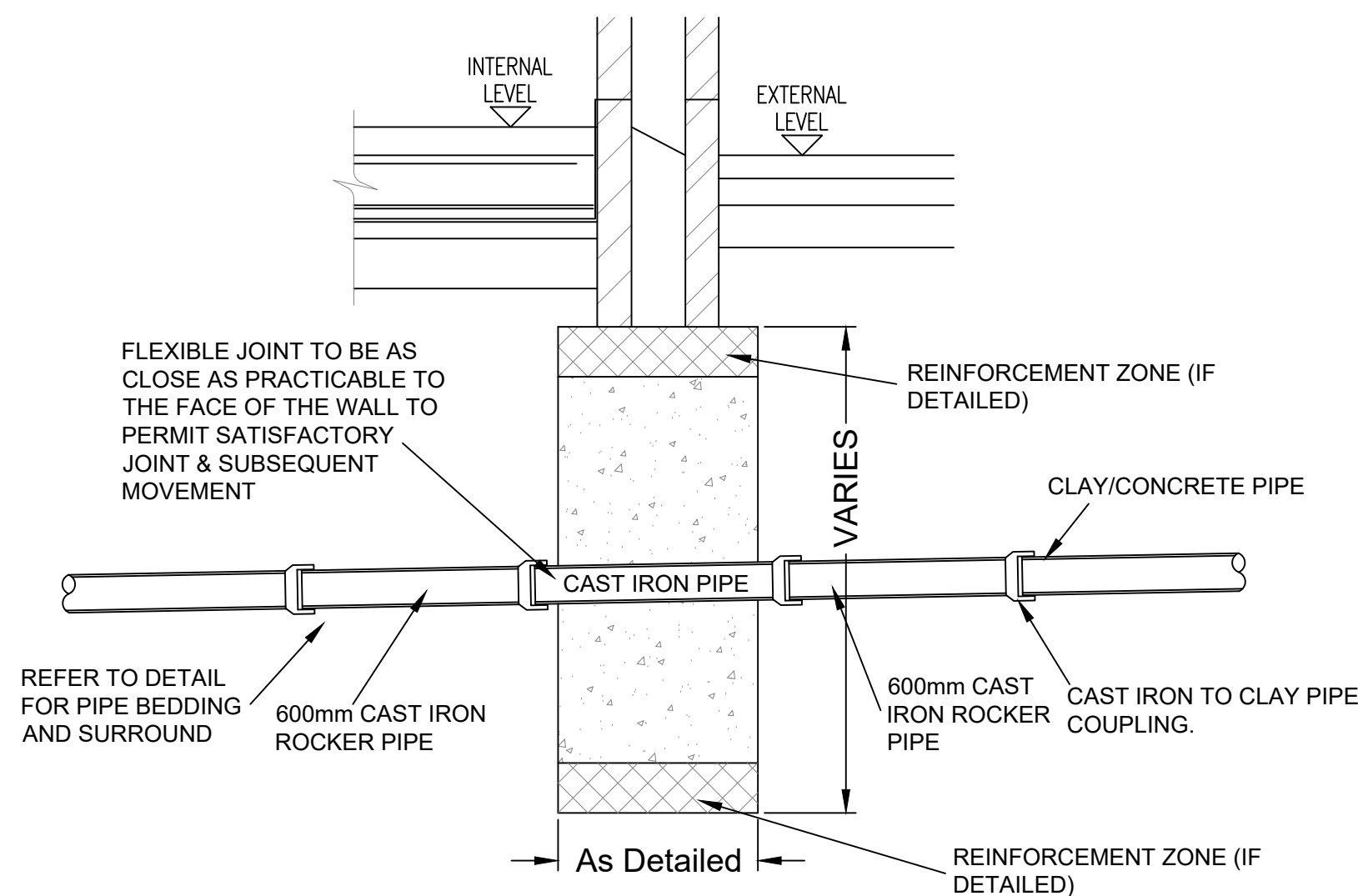
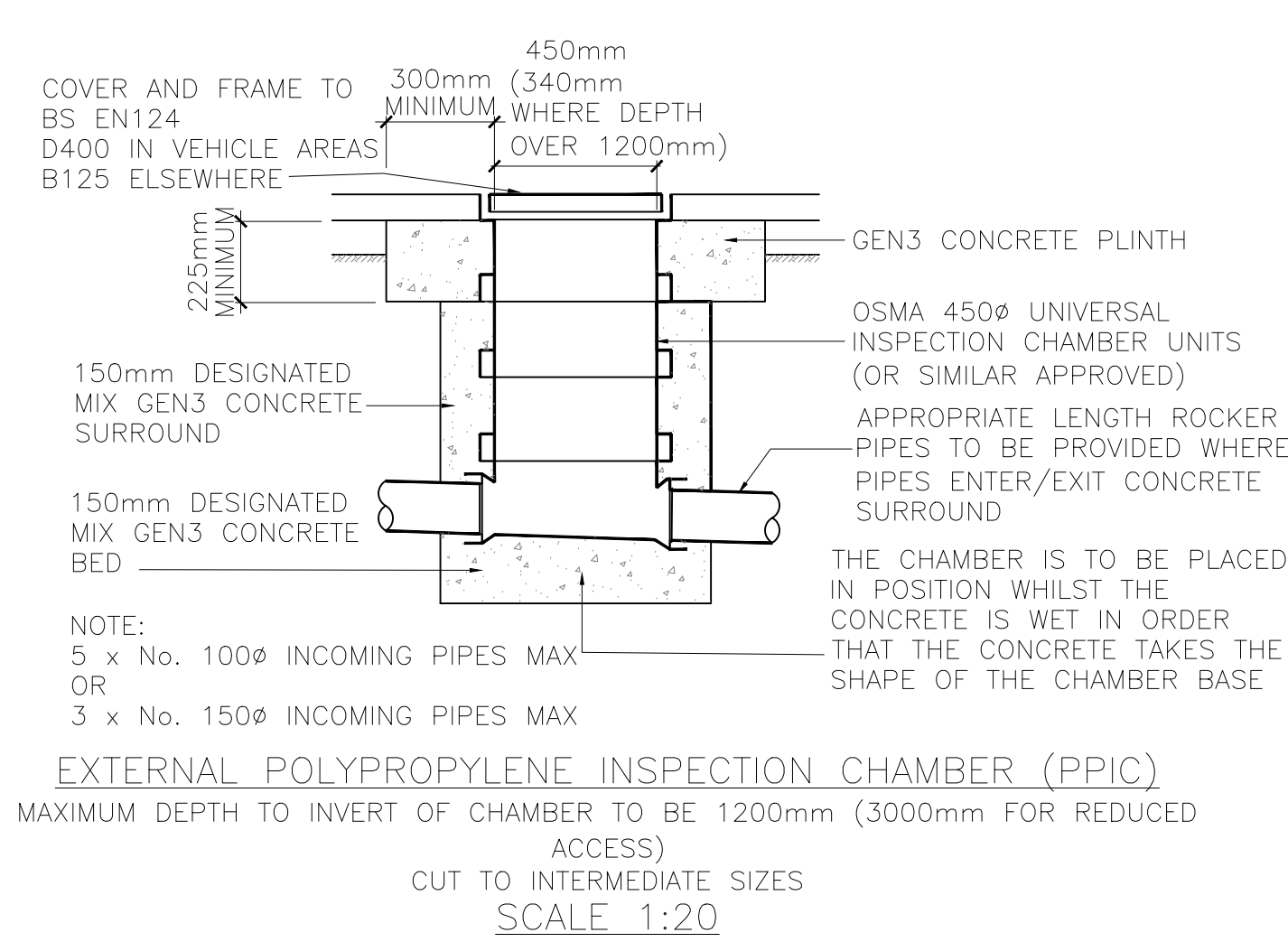
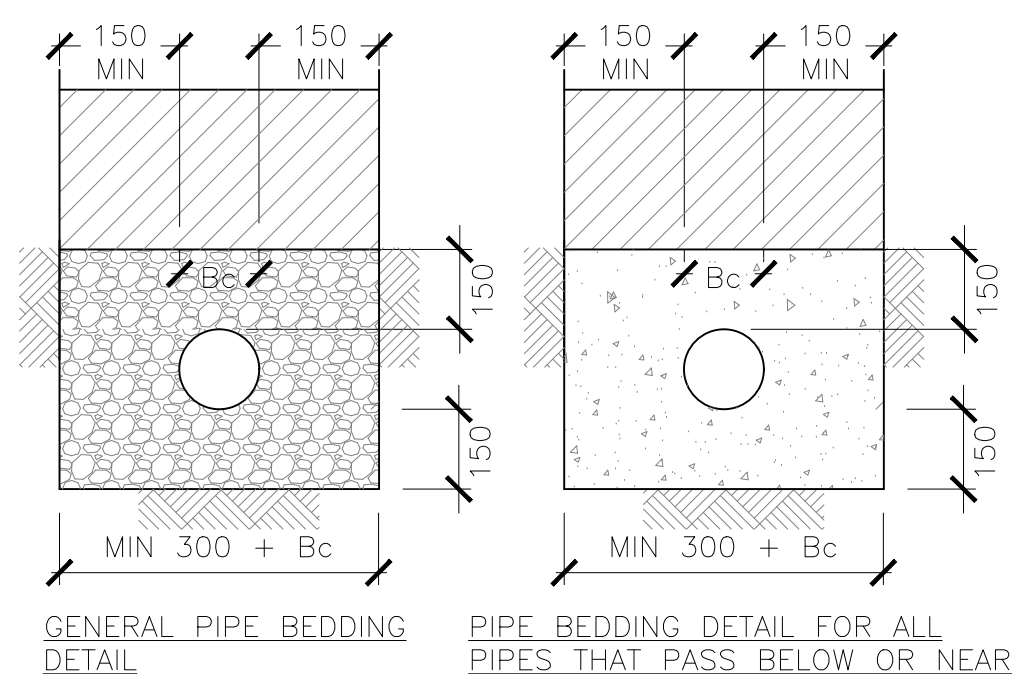
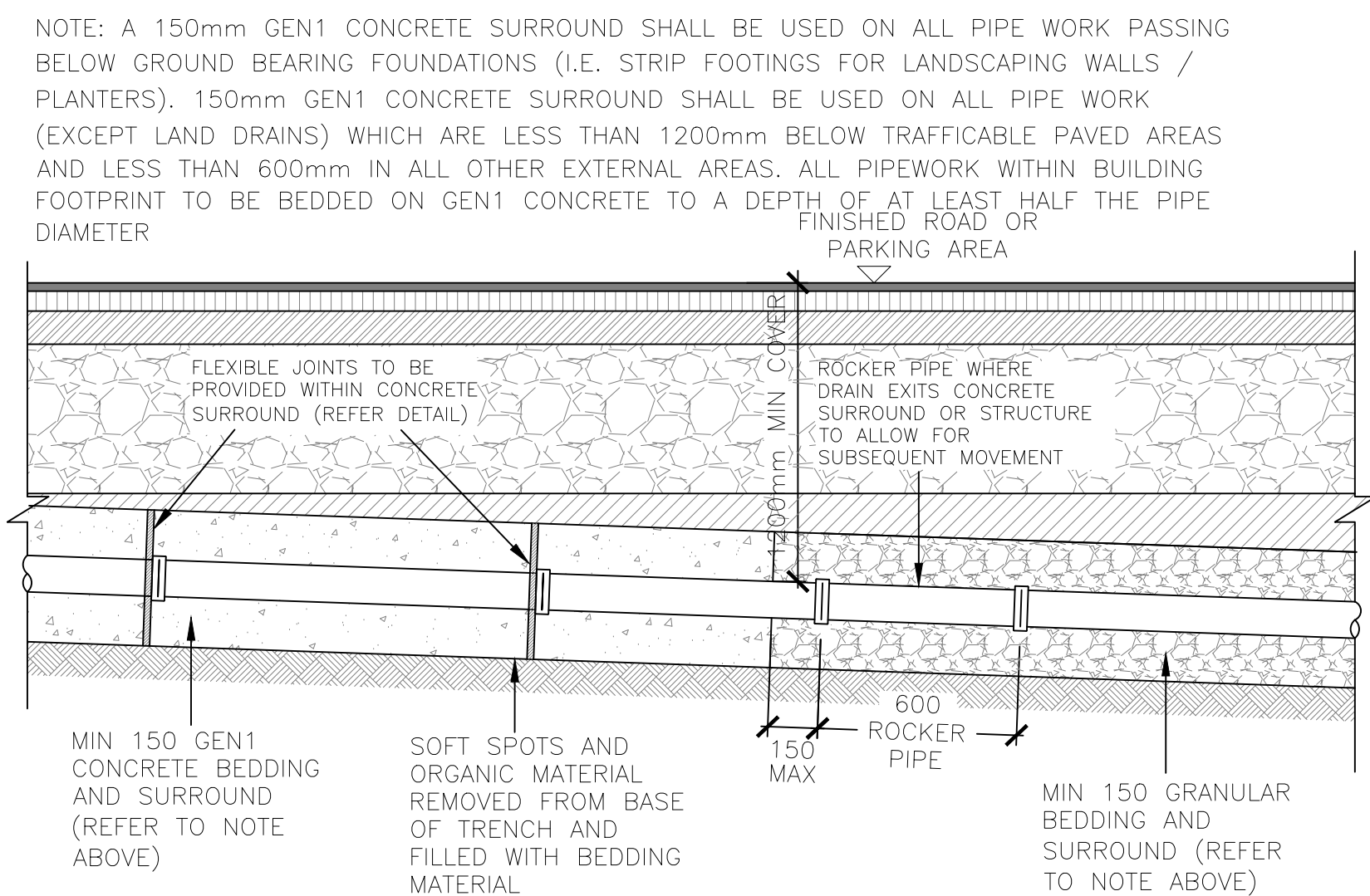




TYPICAL PCC MANHOLE DETAIL
DEPTH TO PIPE SOFFIT LESS THAN 1.5m
SCALE 1:20



PIPE CAST THROUGH STRIP FOOTING/STRUCTURE

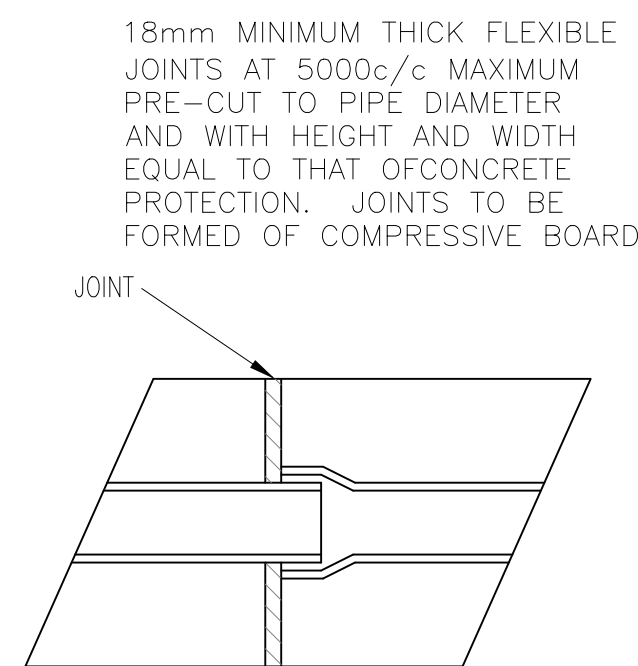


 SELECTED FILL: FREE FROM STONES
LARGER THAN 40mm, LUMPS OF CLAY
OVER 100mm, TIMBER, FROZEN
MATERIAL, VEGETABLE MATTER.

 GRANULAR MATERIAL: TO CONFORM TO BS
EN 12620 ANNEX B TABLE B.15 AND
SHOULD BE SINGLE SIZE MATERIAL OR
GRADED MATERIAL FROM 5mm UP TO A
MAXIMUM SIZE OF 10mm FOR 100mm
PIPES, 14mm FOR 150mm PIPES,
20mm FOR PIPES FROM 150mm UP TO
600mm DIAMETER AND 40mm FOR PIPES
MORE THAN 600mm DIAMETER.

 GEN1 CONCRETE IN ACCORDANCE WITH
BS 8500-1:2002.

NOTE:
PIPES LESS THAN 1200mm BELOW ROADS
AND LESS THAN 600mm BELOW OTHER
EXTERNAL AREAS SHALL HAVE A 150mm
GEN1 CONCRETE SURROUND. OTHER THAN
PIPES CAST WITHIN PILECAPS ALL PIPES
BELOW SUSPENDED SLAB SHALL HAVE
GRANULAR SURROUND AS SHOWN.



FLEXIBLE JOINTS IN CONCRETE PROTECTION
SCALE 1:10

PIPE BEDDING DETAIL
SCALE 1:10

1. This drawing is to be read in conjunction with all relevant series design drawings, specifications and documentation.
2. Construction to be in accordance with all British and European standards and building regulations.
3. All dimensions are in millimetres and levels in metres above local datum.
4. Any discrepancies in the details shown are to be reported to the employer's representative/engineer prior to construction
5. all existing services are to be located prior to the commencement of any works. the contractor must notify the engineer immediately of any conflict with the proposed works.
6. For gravity sewers, all drainage and fittings are to be flexibly jointed UPVC to BSEN 1401-1 or clayware to BSEN 295 or concrete to BS5911 part 100
7. Chamber walls 225 thick to be constructed in class B engineering bricks to SHW series 2400 in designation (i) mortar or in-situ strength class C16/20 concrete to clause 2602
8. Chamber walls and cover slab to be constructed in precast concrete to BSEN 1917 and BS 5911-3.
9. Concrete mixes indicated on this drawing are designated mixes in accordance with BS8500-1:2006. all concrete to be sulphate resistant
10. Backfill to all trenches under carriageways to be type 1 sub-base material, elsewhere backfill to be in accordance with the specification, free draining readily compatible material, free from rubbish and organic matter, frozen soil clay lumps and large stones. to be compacted in layers not exceeding 150mm thick.
11. A flexible joint shall be provided as close as is feasible to outside face of any structure into which a pipe is built, in accordance with the detail.
12. The general specification of materials and workmanships for the construction of the access road, footpaths and other areas of handstanding shall be the manual of contract documents for highway works, volume 1. specification of highway works (SHW) published by the stationary office.
13. All pipes to be laid soffit to soffit unless noted otherwise.
14. Manhole covers and frames shall comply with BSEN124 and shall be of a non-rocking design which does not rely on the use of cushion inserts. class D covers shall be used in carriageways, hard shoulders and parking areas used by all type of road vehicles. class C shall be used in footways, pedestrian areas and all comparable locations.

B	Construction		AW 07/11/21	AW 07/11/21	
A	Tender		AW 03/11/21	AW 03/11/21	
Rev	Description		Drawn Date	Checked Date	
Drawn By Date	AW 27.07.21	Checked By Date	AW 27.07.21	Approved By Date	AW 27.07.21

Client **NIGEL DUTTON**

Project ARTHUR ST BARWELL
LEICESTER

Title CONSTRUCTION DETAILS 1 OF 2

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Architect -								Status	
								Preliminary	
Drawing No. 2017-C02								Tender	
								Construction	☒
								As Built	
Revision	B								