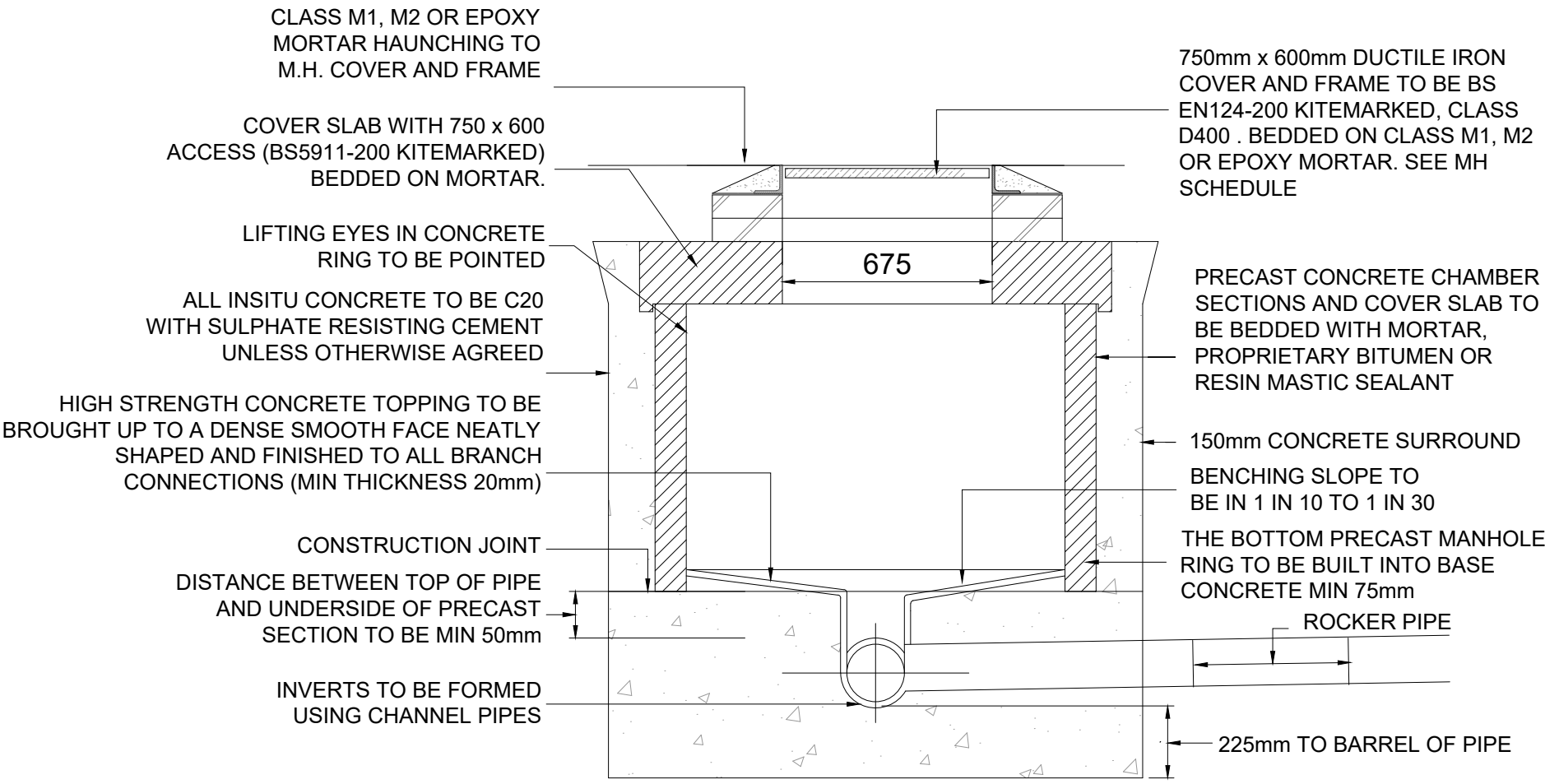
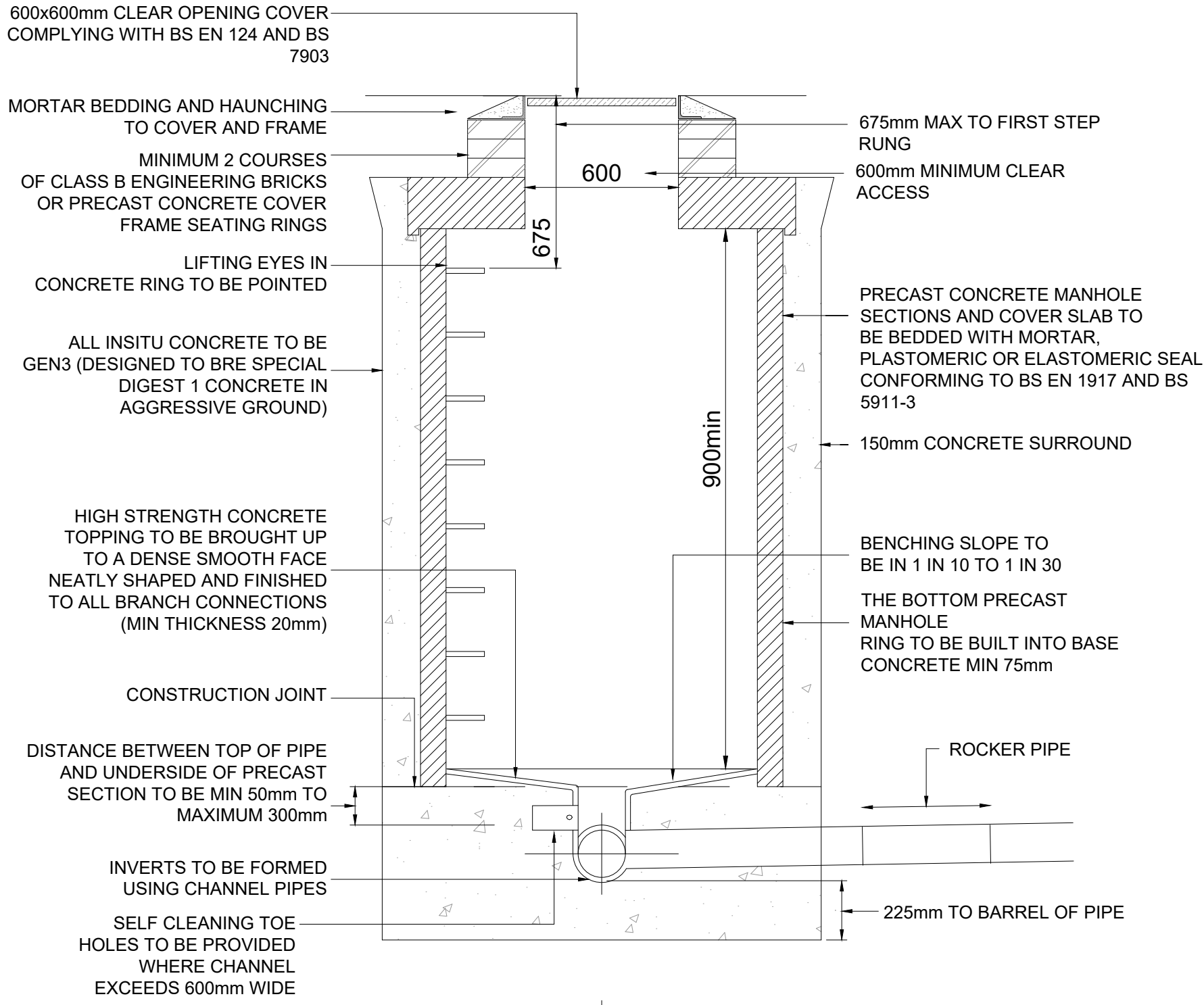
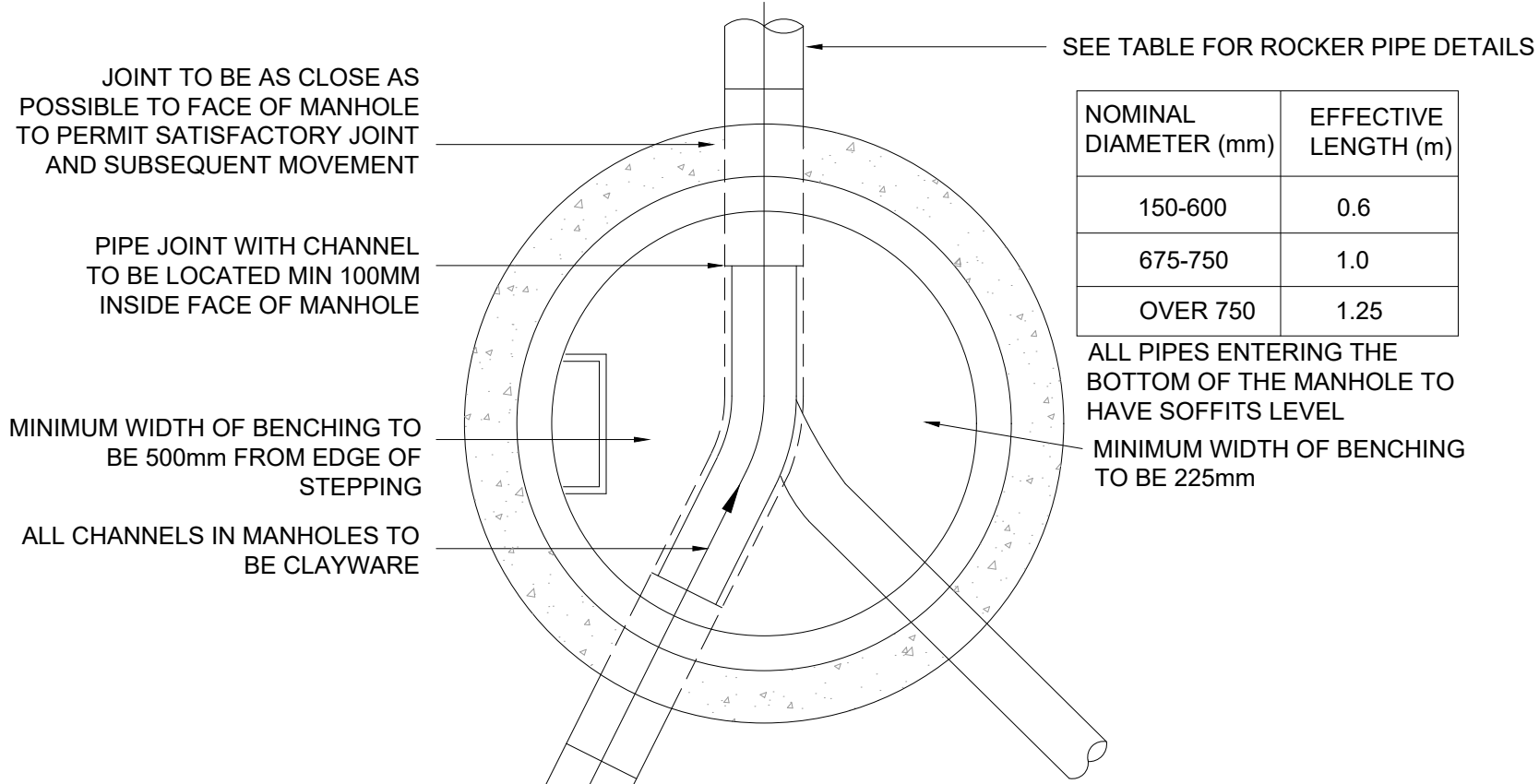
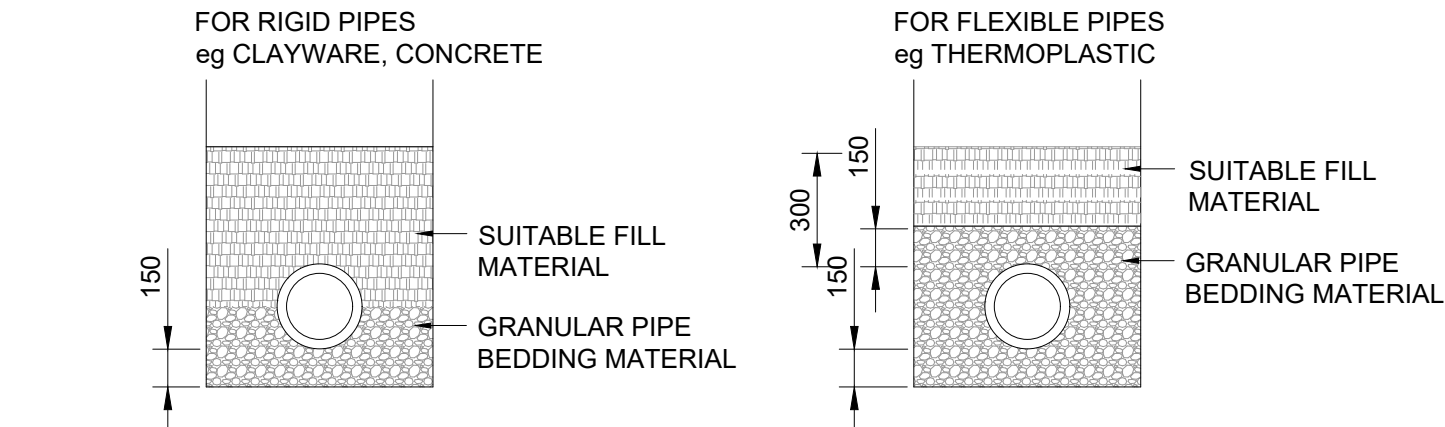




TYPICAL MANHOLE DETAIL TYPE B1E
1000-1500 DEEP
Scale (1:20)



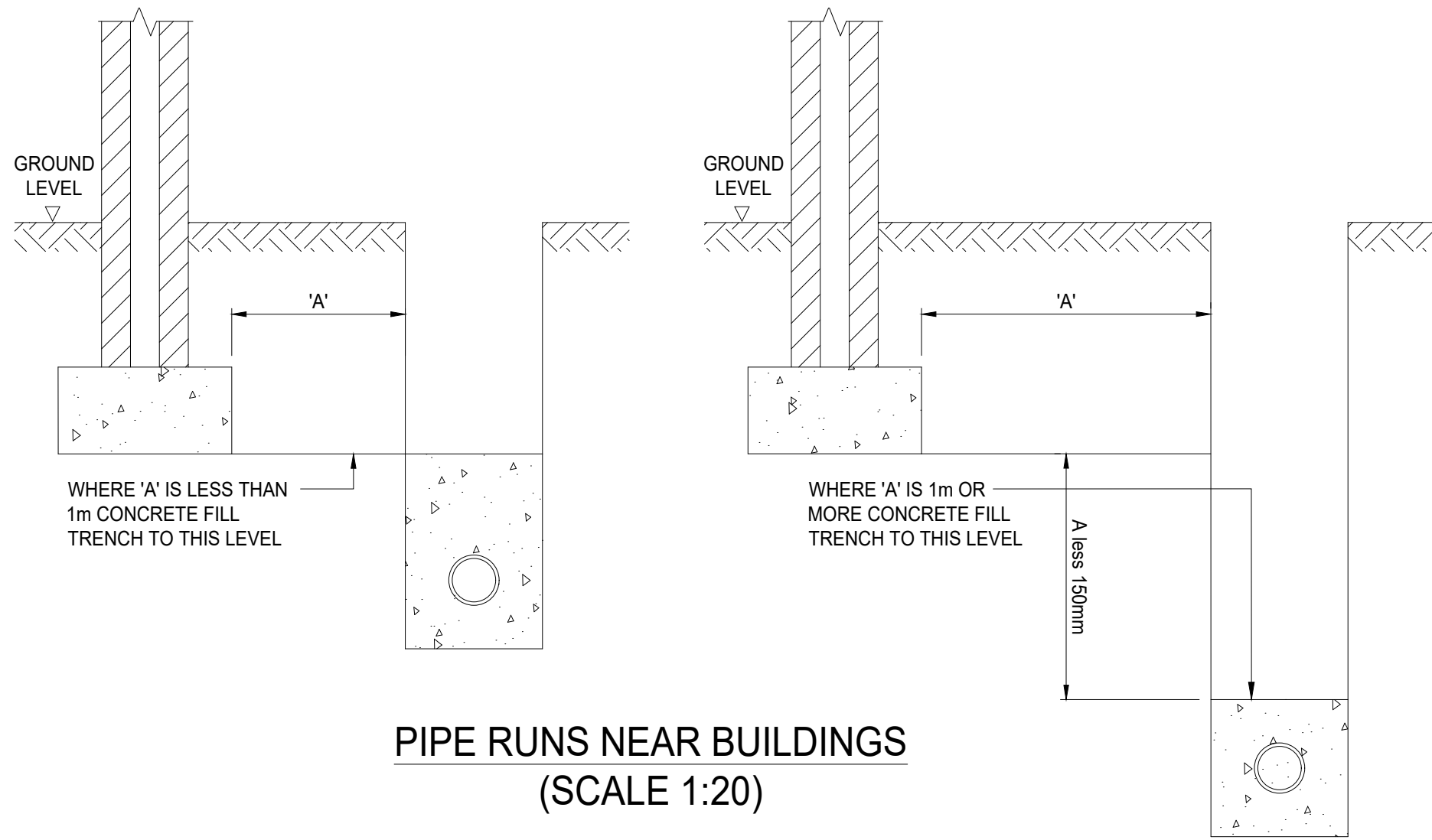
TYPICAL MANHOLE DETAIL TYPE 2
MAXIMUM DEPTH FROM COVER LEVEL
TO SOFFIT OF PIPE 3000
Scale (1:25)



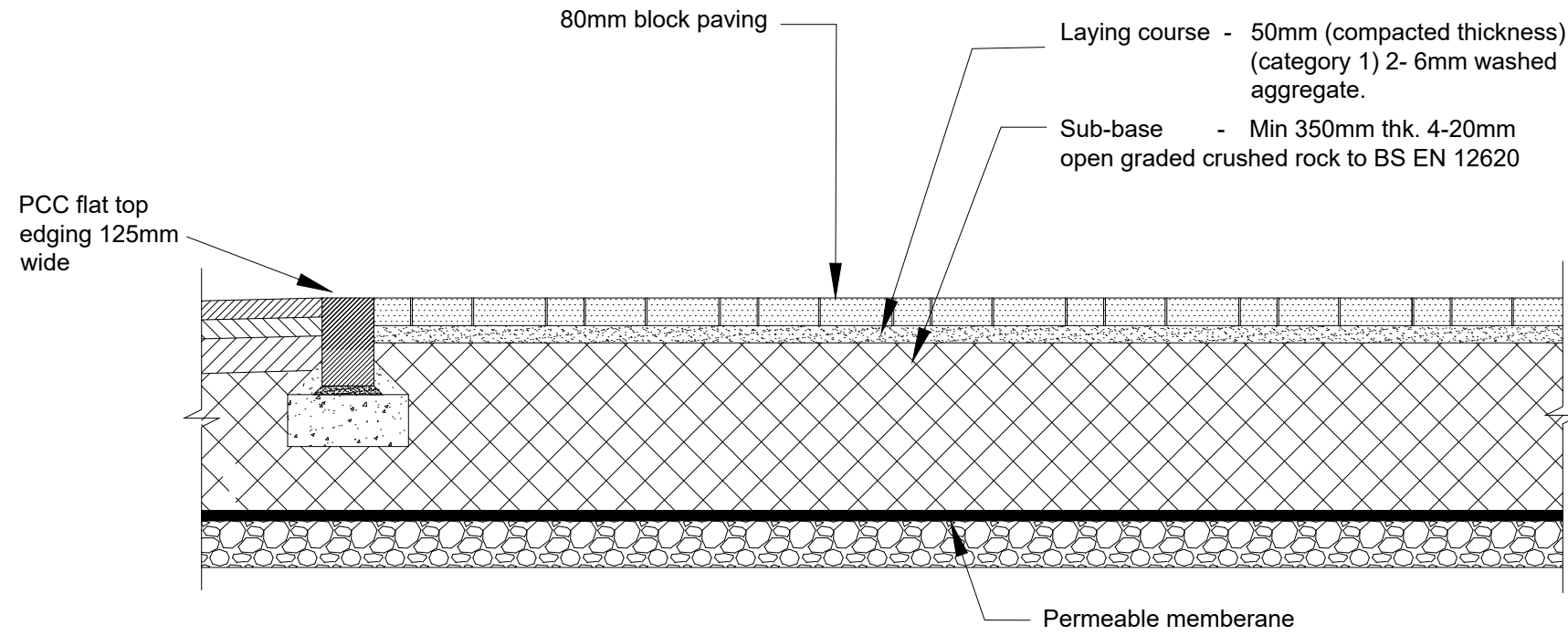
CLASS B BEDDING DETAIL (1:25) CLASS S BEDDING DETAIL (1:25)

SUITABLE FILL:- THE SUITABLE FILL SHALL BE SUITABLE FOR THE LOCATION AND SHALL BE CAREFULLY COMPACTED TO PROVIDE STABILITY WITHOUT DAMAGING THE PIPE. FILL UNDER CAR PARKING AREAS AND PRIVATE ROADS TO BE WELL COMPACTED GRADED MATERIAL. FILL UNDER ADOPTED ROADS TO BE TYPE 1 GRANULAR SUB-BASE.

WHERE THE PIPES ARE TO BE ADOPTED CLASS S BEDDING TO BE USED FOR EITHER RIGID OR FLEXIBLE PIPES



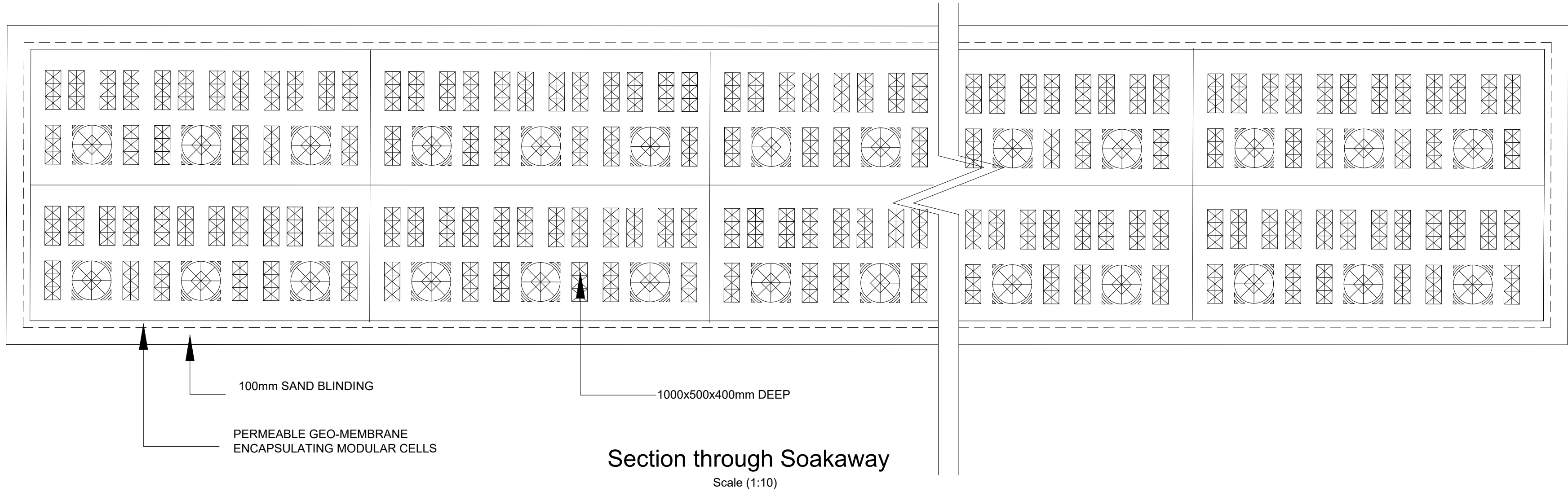
PIPE RUNS NEAR BUILDINGS
(SCALE 1:20)



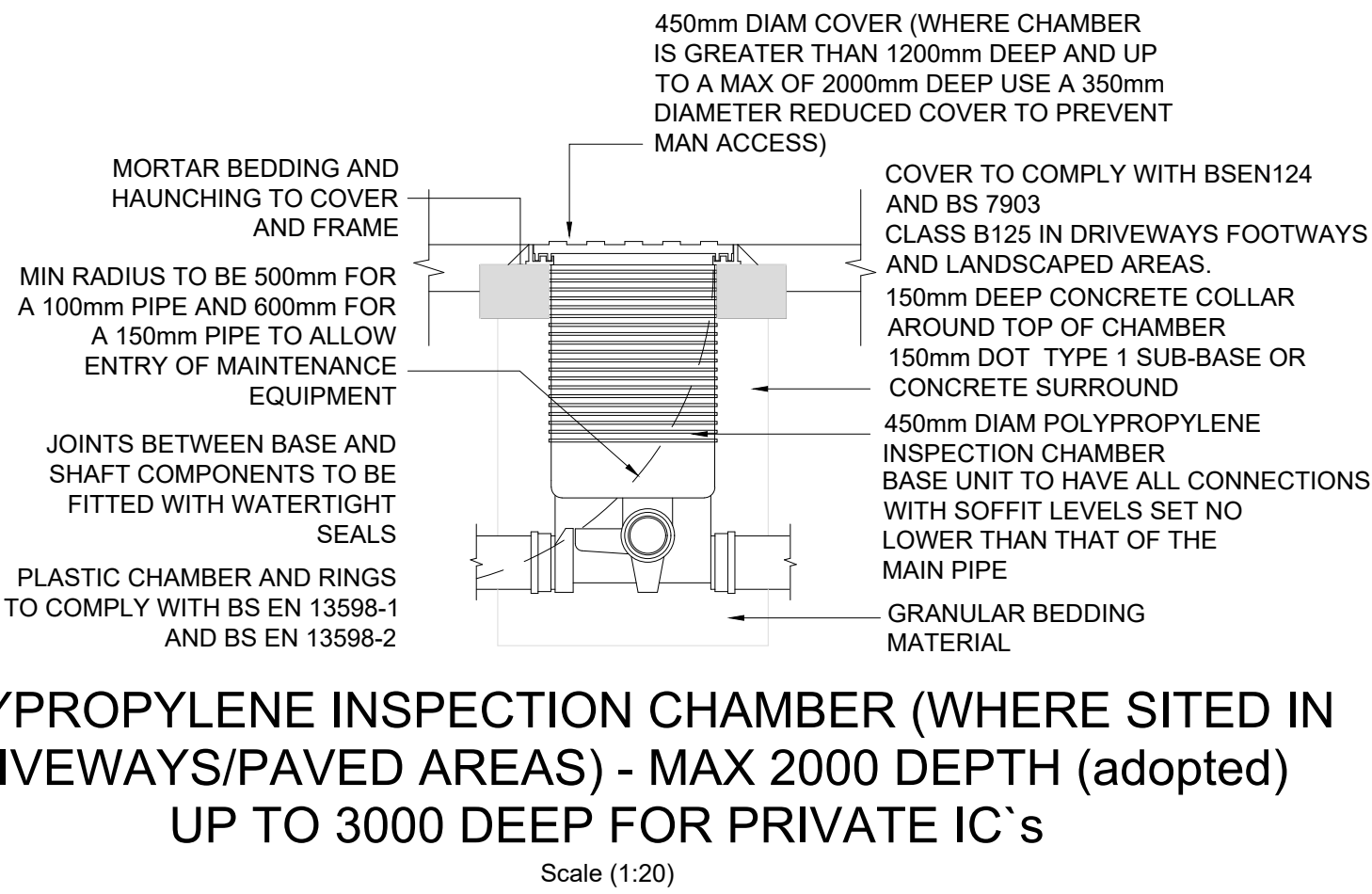
Permeable Paving Detail
Scale 1:20

- EXCAVATE THE TRENCH TO THE REQUIRED DEPTH ENSURING THAT THE PLAN AREA IS SLIGHTLY GREATER THAN THAT OF THE STORAGE CELL UNITS.
- LAY 100mm BED COURSE SAND, LEVEL AND COMPACT.
- LAY THE GEO-TEXTILE OVER THE BASE AND UP THE SIDE OF THE TRENCH.
- LAY THE STORAGE CELL UNITS PARALLEL WITH EACH OTHER OR IN A BRICK BONDED FORMATION. FOR MULTI LAYERS USE THE CLIPS AND THE SHEAR CONNECTERS.

- LAP AND SEAL THE GEO-TEXTILE AROUND THE UNITS, IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
- DRAINAGE CONNECTIONS TO BE MADE USING PROPRIETARY ADAPTORS.
- LAY 100mm OF COURSE SAND BETWEEN THE TRENCH WALLS AND THE STORAGE UNITS AND COMPACT.
- LAY 100mm BED OF COARSE SAND OVER THE GEO-TEXTILE AND COMPACT. BACKFILL WITH SELECTED AS DUG MATERIAL LAID AND COMPACTED IN LAYERS



Section through Soakaway
Scale (1:10)



POLYPROPYLENE INSPECTION CHAMBER (WHERE SITED IN
DRIVEWAYS/PAVED AREAS) - MAX 2000 DEPTH (adopted)
UP TO 3000 DEEP FOR PRIVATE IC's
Scale (1:20)

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DO NOT SCALE OFF THIS DRAWING

Notes:

- This drawing is to be read in conjunction with all relevant architect's and engineer's drawings.
- It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

P1	First Issue		20.10.25	OG
No.		Revision	Date	Drwn
Status		Preliminary		
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Client		Hanson Springs Ltd		
Project		Hanson Springs, Rochdale		
Drawing title		Drainage Details		
Drawn	OG	Chkd	CG	Date
				October 2025
Contract No.		25077		Scale
		DR-C-0101		As Shown @A1
		Revision		P1