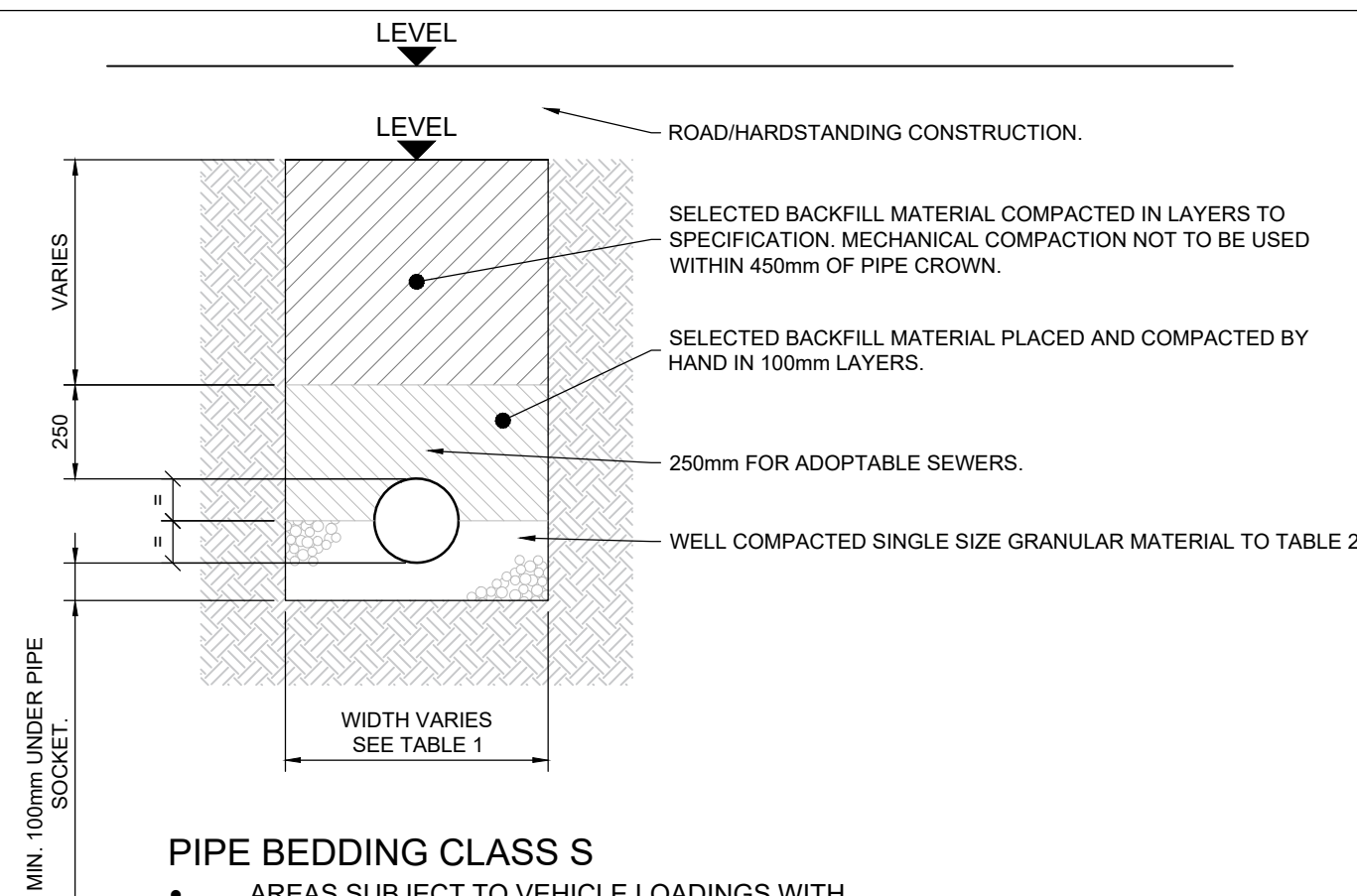
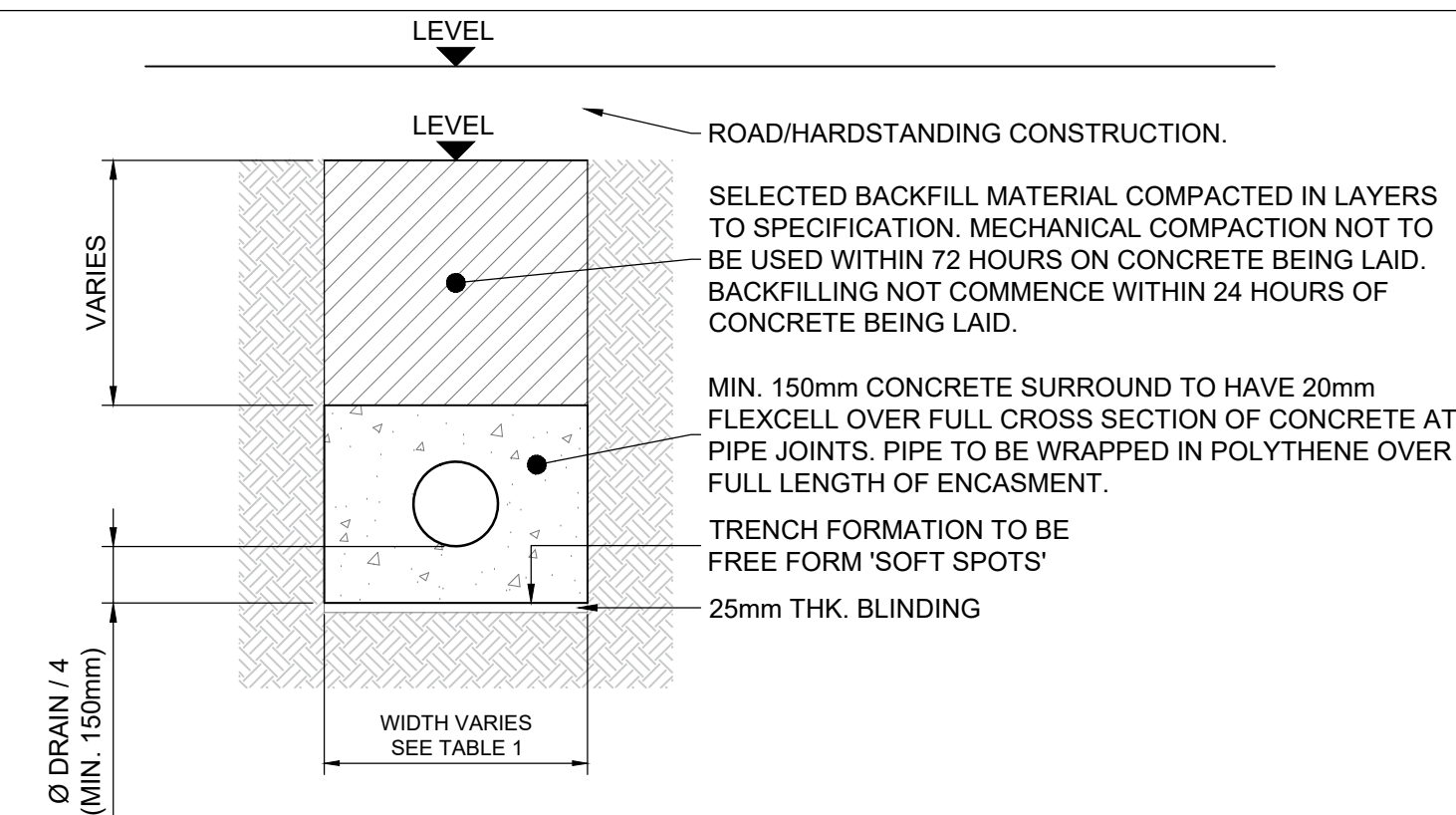




DIMENSIONS TABLE

Type	Size of Largest Pipe (DN)	Circular Diameter	Min clear opening Rectangular ¹	Circular Diameter
<1.5m to soffit	150	1050 ⁴	750 x 675 ²	na ³
	225	1200	1200 x 675 ²	
	300	1200		
	>300	Larger of 1800 or (DN+450)		
>1.5m to soffit	225	1200	600 x 600	600
	300	1200		
	375-450	1200		
	>450	Larger of 1800 or (DN+775)		

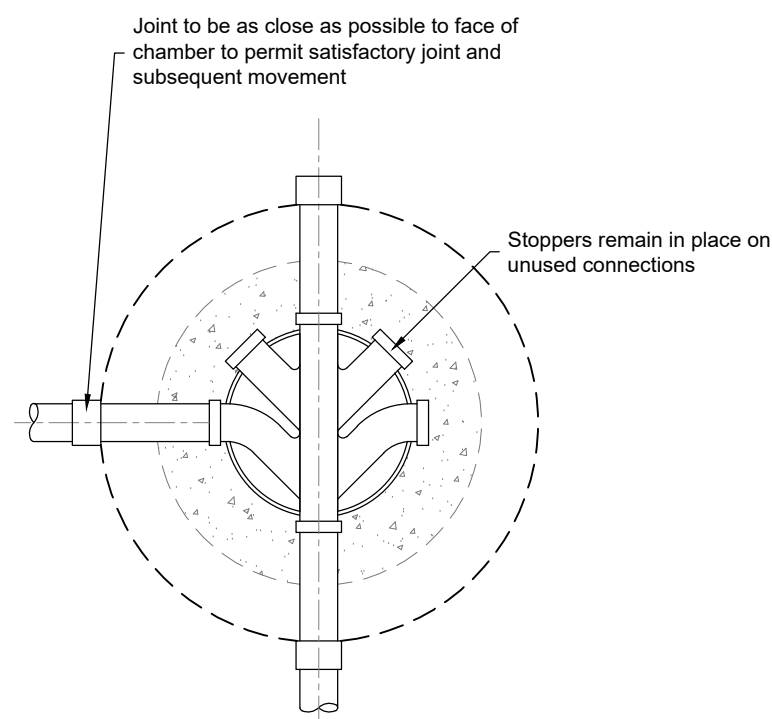
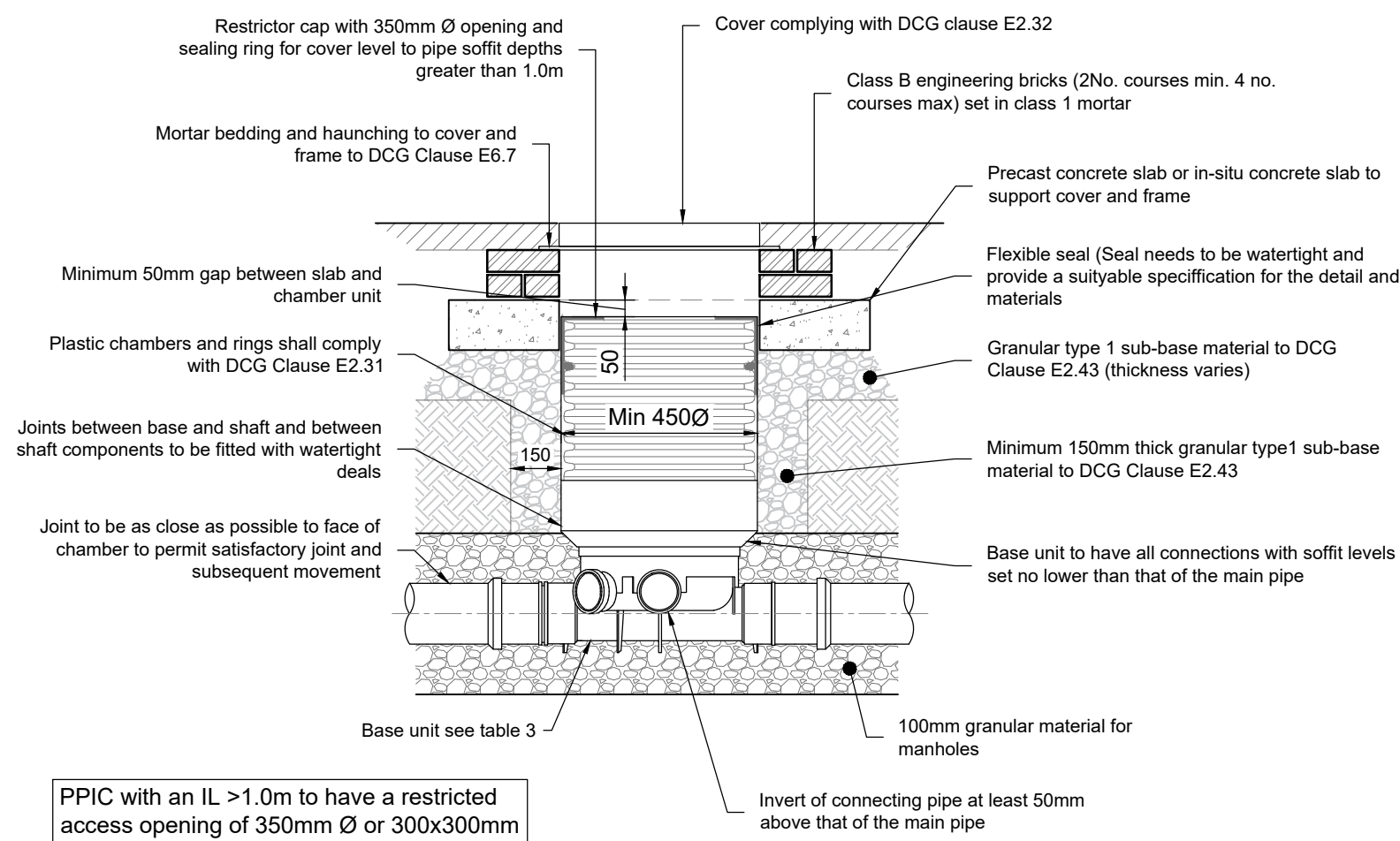
Nominal diameter of pipe (mm)	Thickness of compressible filler (mm)
Less than 450	18
450 - 1200	36
Exceeding 1200	54

- ## Notes

1. Do not scale off this drawing.
2. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the engineer should be informed prior to construction on site.
3. All drawings are in millimetres unless otherwise stated.
4. It is the responsibility of the contractor to execute the works at all times in strict accordance with the requirements of the health and safety at work act 1974 and cdm regulations 2015.
5. All drainage is to be constructed in accordance with the building regulations.
6. Drainage on site is considered as private, and is not subject to being adopted.
7. All manhole cover levels are approximate.
8. All rainwater downpipes to be fitted with a rodding facility located above ground level.

PIPE BEDDING DETAILS

SCALE 1:20



POLYPROPYLENE INSPECTION
CHAMBER PLAN
TYPE C

SCALE 1:20

POLYPROPYLENE INSPECTION CHAMBER DETAIL TYPE C

SCALE 1:20

TABLE 1:

TRENCH WIDTHS

Ø OF DRAIN	WIDTH OF TRENCH
100mm	450mm
150mm	600mm
225mm	700mm
300mm	750mm
375mm	1050mm
375mm	1050mm
525mm	1200mm
600mm	1350mm
675mm	1450mm
750mm	1500mm
825mm	1600mm
900mm	1900mm
975mm	2000mm
1050mm	2300mm
1200mm	2300mm
> 1200mm	Ø + 1100mm

TABLE 2:

NOMINAL MAXIMUM AGGREGATE
SIZE (mm) BS 882 GRADING

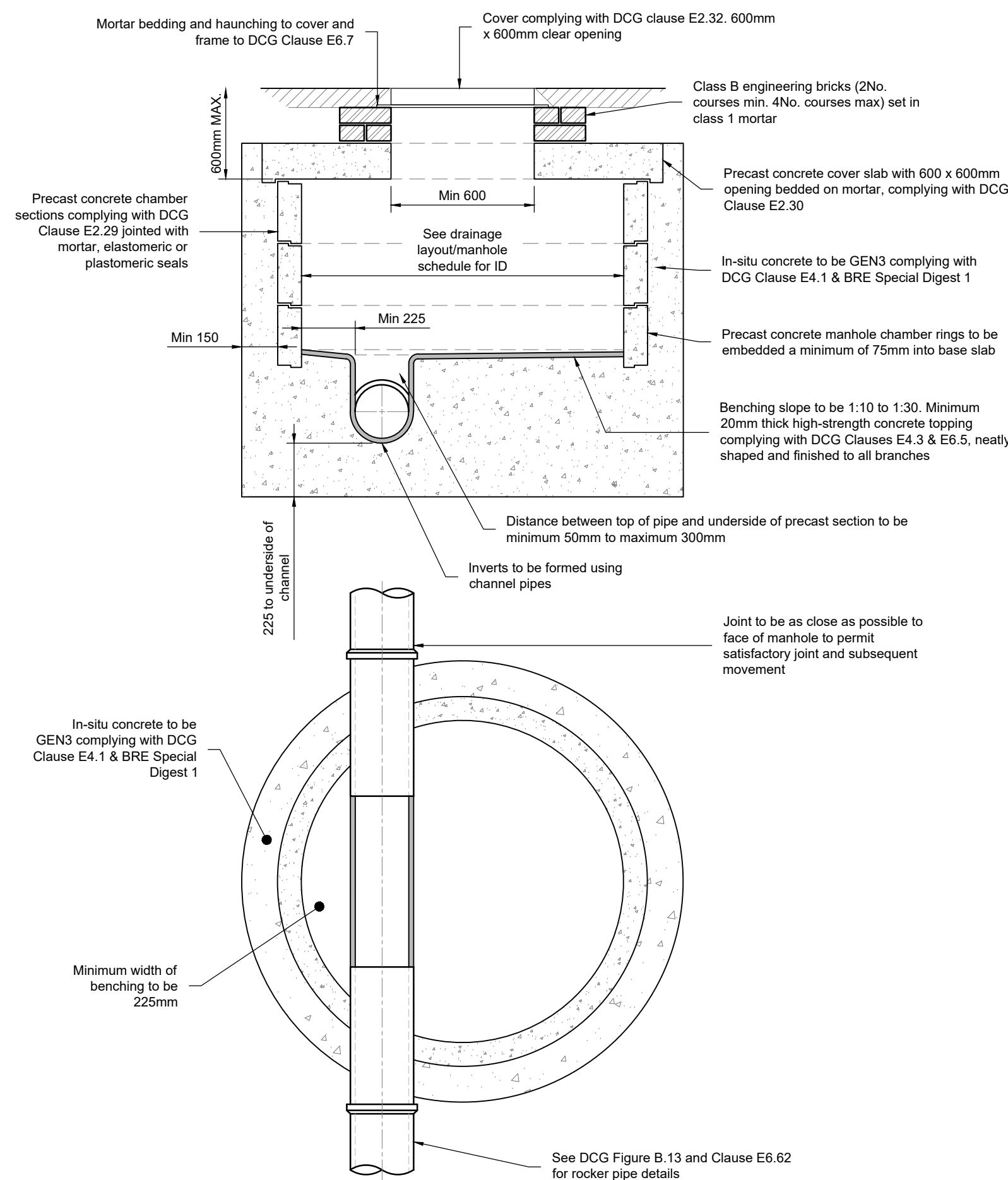
Ø OF DRAIN	AGGREGATE	BEDDING CLASS B/O
100mm	SINGLE SIZED GRADED	10
		-
150mm	SINGLE SIZED GRADED	10 TO 14
		14 TO 5
225mm	SINGLE SIZED GRADED	10, 14 OR 20
		14 TO 5 OR 20 TO 5
300mm	SINGLE SIZED GRADED	10, 14 OR 20
		14 TO 5 OR 20 TO 5

TABLE 3: PPIC BASE UNIT TYPES

BASE UNIT TYPE	PIPE SIZE	NUMBER OF CONNECTIONS
SP IC1/1	100mm Ø	6
SP IC1/2	100mm Ø	6
SP IC2/1	150mm Ø	4

TABLE 4: BS EN 124 MANHOLE CLASSES

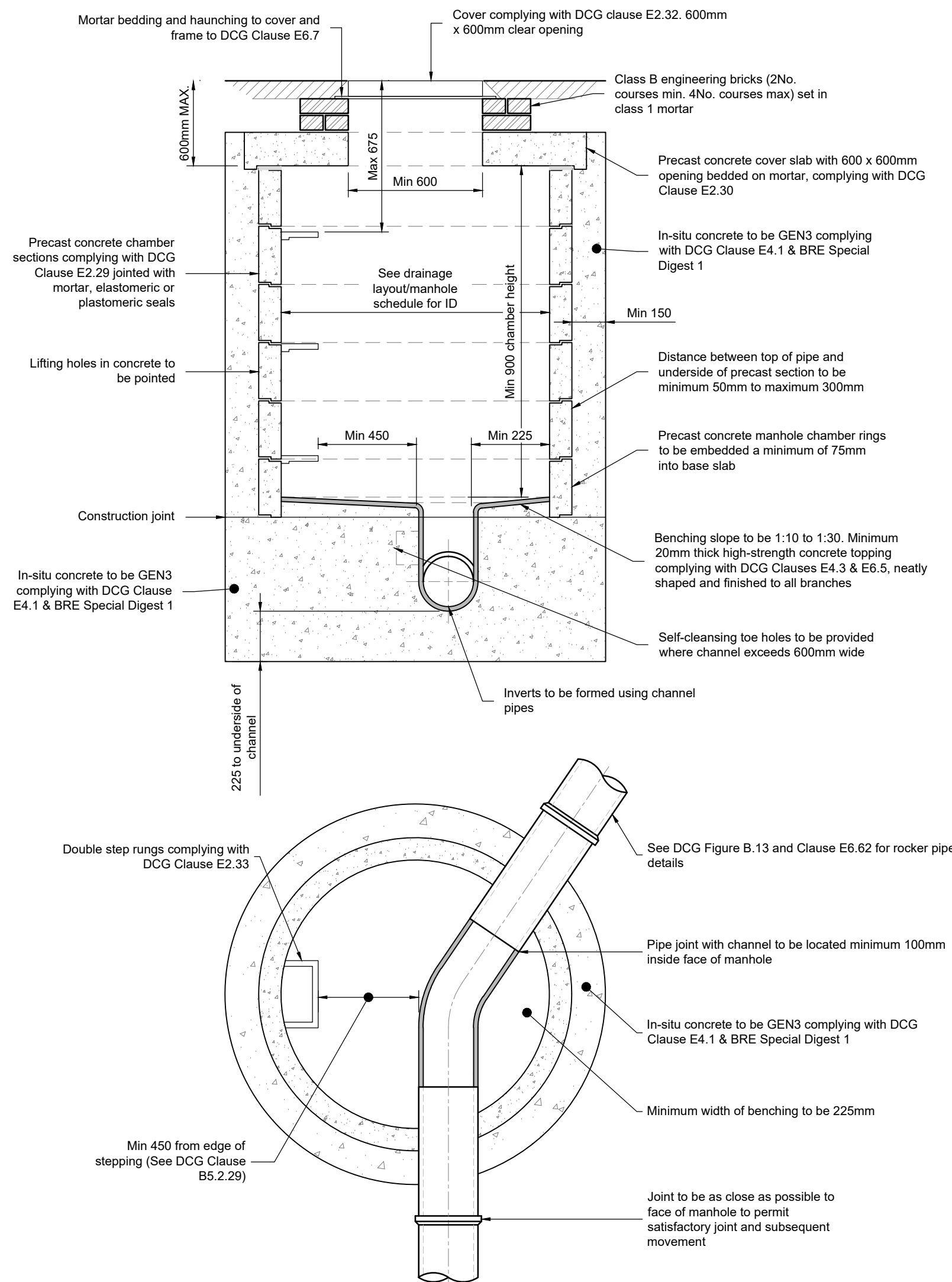
GROUP	MINIMUM CLASS	DESCRIPTION
1	A15	FOR USE IN AREAS WHERE ONLY PEDESTRIANS HAVE ACCESS.
2	B125	FOR USE IN CAR PARKS AND PEDESTRIAN AREAS WHERE ONLY OCCASIONAL VEHICULAR ACCESS IS LIKELY.
3	C250	FOR USE IN CAR PARKS, FORECOURTS, INDUSTRIAL SITES AND AREAS WITH SLOW MOVING TRAFFIC ALSO IN HIGHWAY LOCATIONS UP TO 500mm FROM THE KERB AND UP TO 200mm INTO THE VERGE, EXCLUDING MOTORWAYS.
4	D400	FOR USE IN AREAS WHERE CARS AND LORRIES HAVE ACCESS, INCLUDING CARRIAGEWAYS, HARD SHOULDERS AND PEDESTRIAN AREAS.
5	E600	FOR USE IN AREAS WHERE HIGH WHEEL LOADS ARE IMPOSED SUCH AS LOADING AREAS, DOCKS OR AIRCRAFT PAVEMENTS
6	F900	FOR USE IN AREAS WHERE PARTICULARLY HIGH WHEEL LOADS ARE IMPOSED SUCH AS AIRCRAFT PAVEMENTS.



MANHOLE TYPE A

DEPTH COVER TO PIPE SOFFIT LESS THAN 1.5m

SCALE 1:20



MANHOLE TYPE B

DEPTH COVER TO PIPE SOFFIT 1.5m - 3m

SCALE 1:20

P1	FIRST ISSUE	EP	PM	EP	10.09.25
REV	DESCRIPTION	BY	CHK	APP	DATE

REVISION TABLE

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N A T I O N A L W I D E

E N G I N E E R I N G

HBPW PROJECT NUMBER:
SL08556

PROJECT:

UNIT A, CONSORT WAY

BURGESS HILL

DRAWING:

PROJECT ENGINEER:

E. PARRY

CHECKED:

P. MONAGHAN

DATE:

10.09.2025

SCALE:

AS SHOWN

DRAWN:

E. PARRY

APPROVED:

E. PARRY

SIZE:

A1

SUITABILITY:

S3

REVISION:

P01

DOCUMENT REFERENCE NUMBER:

SL08556-00-ZZ-D-C-05003