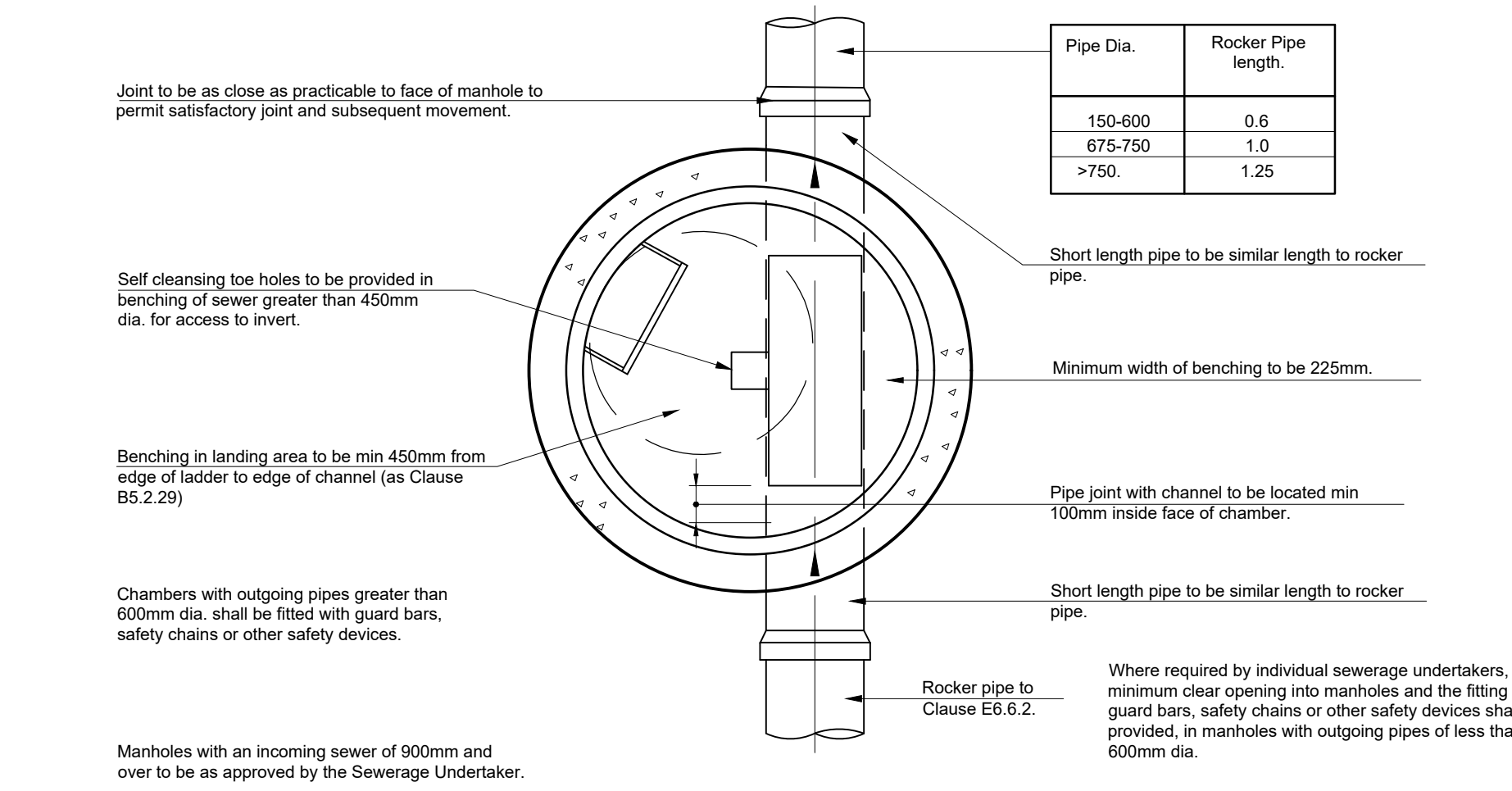
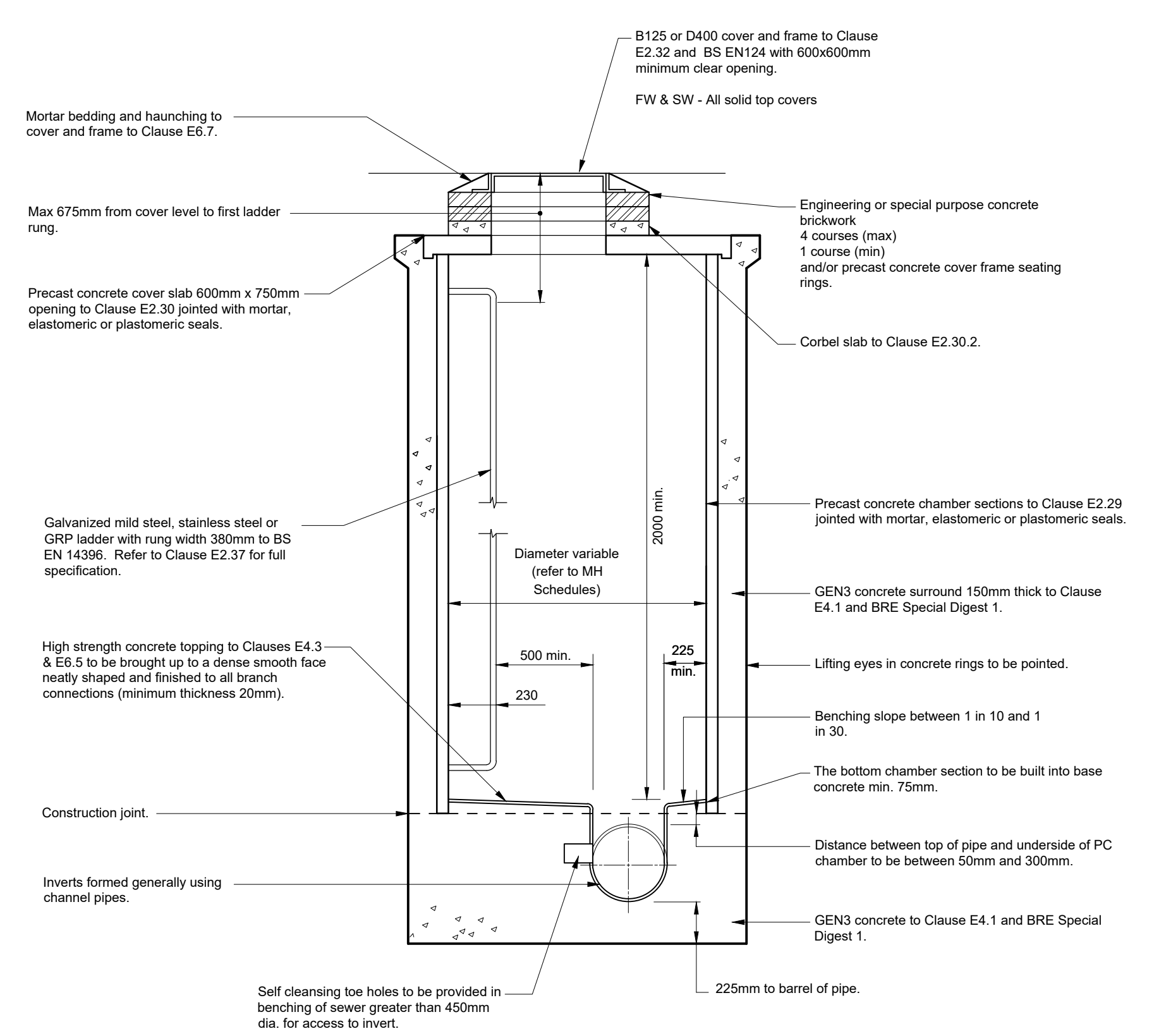


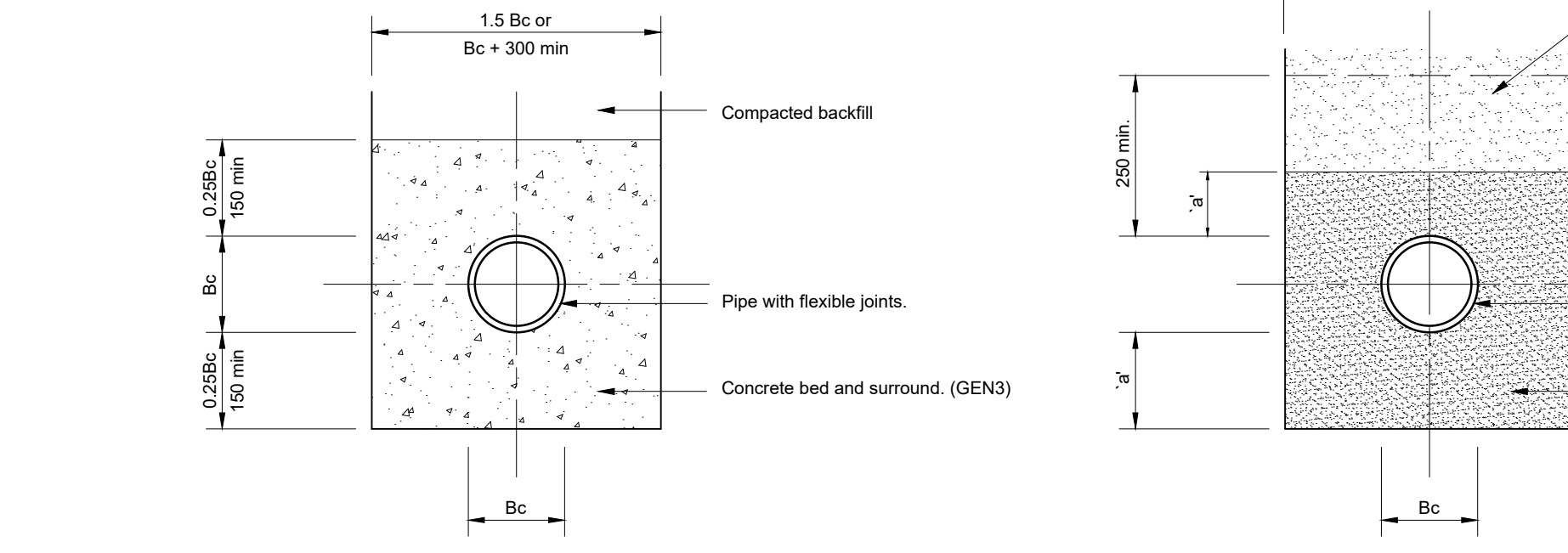


Typical Manhole Detail - Type A2
Depth from cover level to pipe soffit 3m to 6m.

Refer also to Civil Engineering General Note 8.9 on dwg no. 15478-TUL-XX-XX-DR-C-91001.

Alternatively Type A1 (with reducing slab) can be used

Alternative detail without concrete surround:
use min. 125mm thick pre-cast concrete rings and pre-cast concrete base unit extending at least 150mm beyond outer face of ring sections.



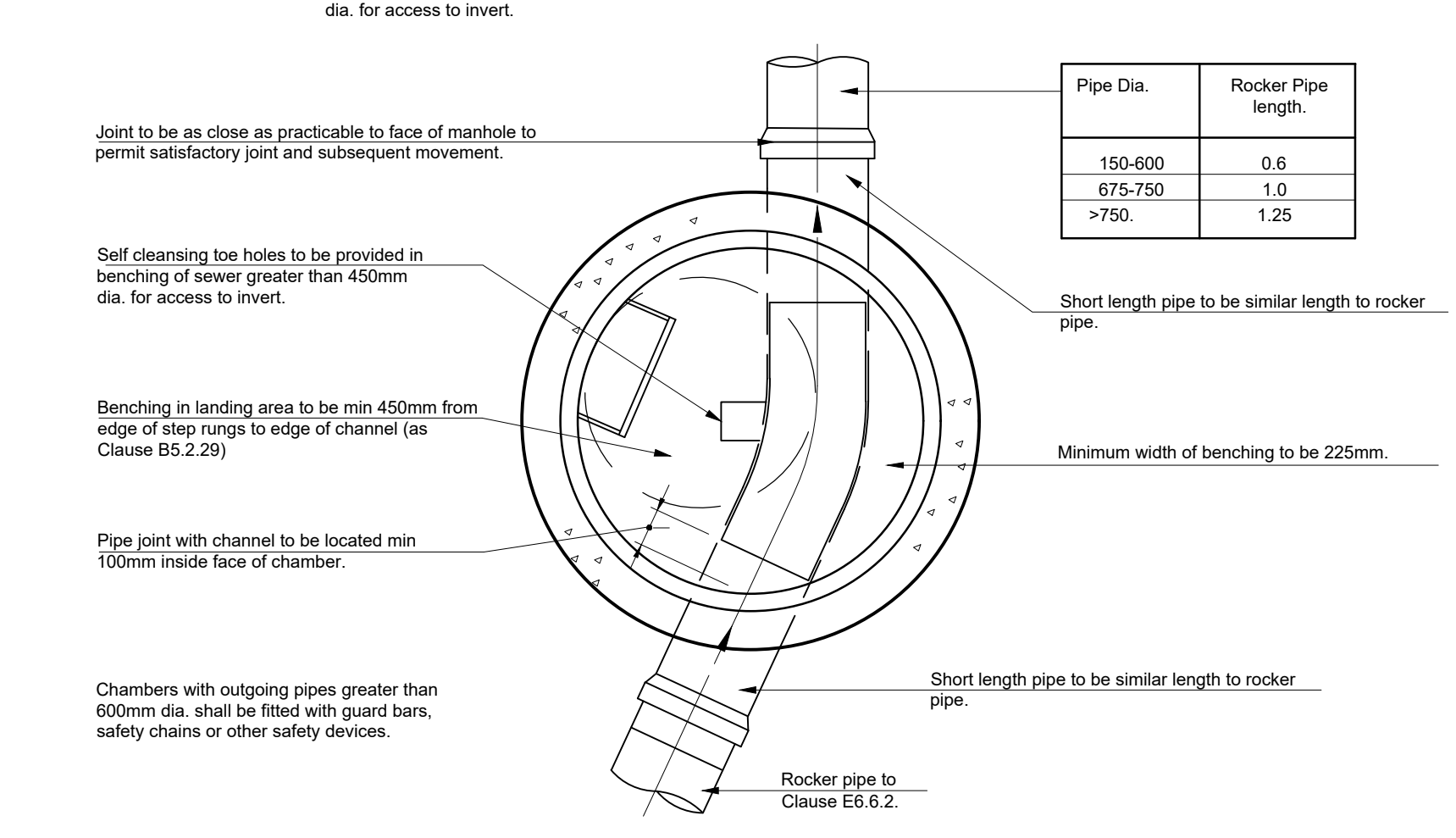
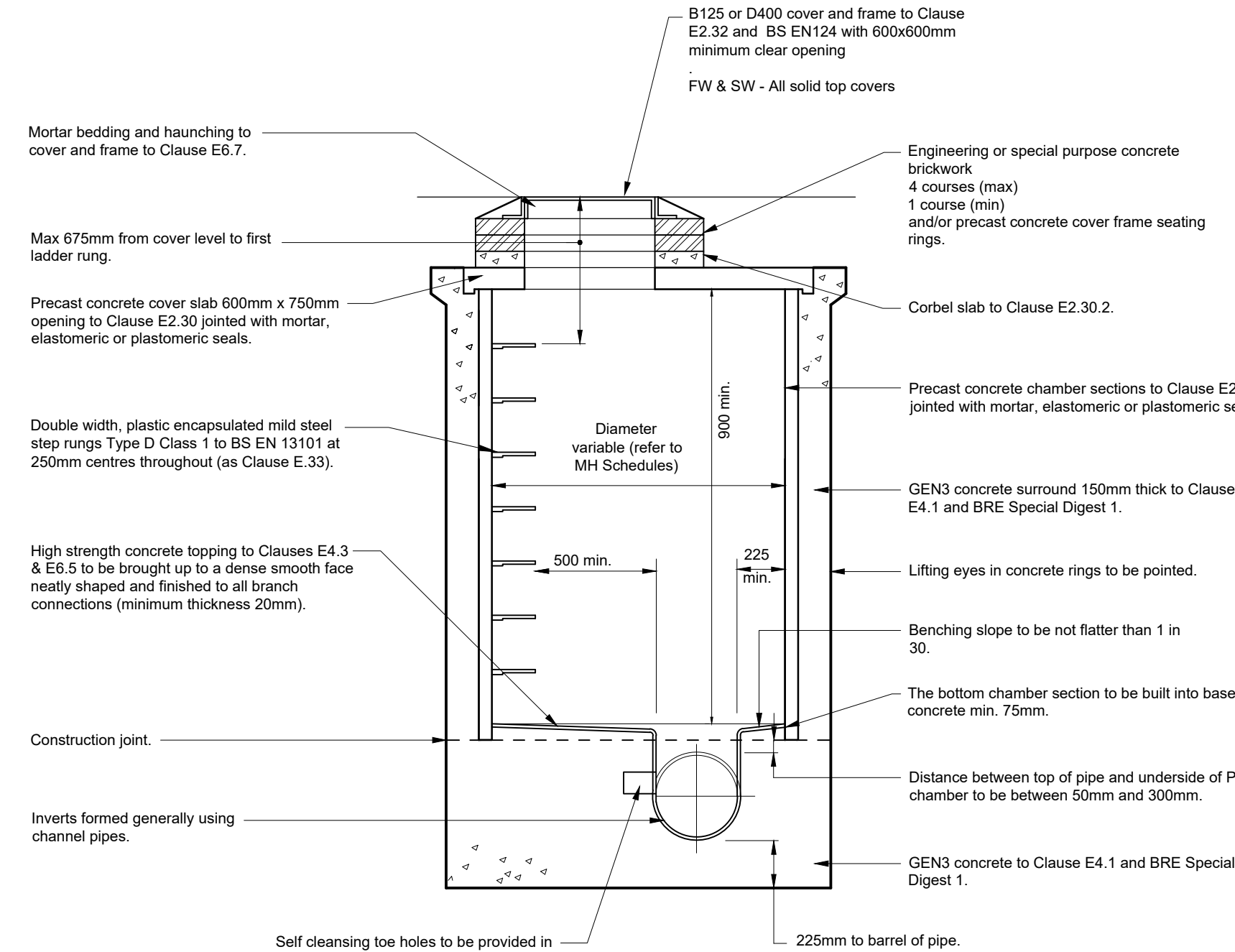
CLASS A
Use where depth to pipe soffit <1200mm beneath adoptable highway, < 900 beneath private trafficked areas & <600mm beneath other areas

CLASS S
Use beneath adoptable highway areas where depth to pipe soffit is >1200mm and other trafficked areas where depth to pipe soffit is > 900mm

Pipe Laid With Concrete Surround

TYPICAL PIPE BEDDING DETAILS - CLAY PIPES

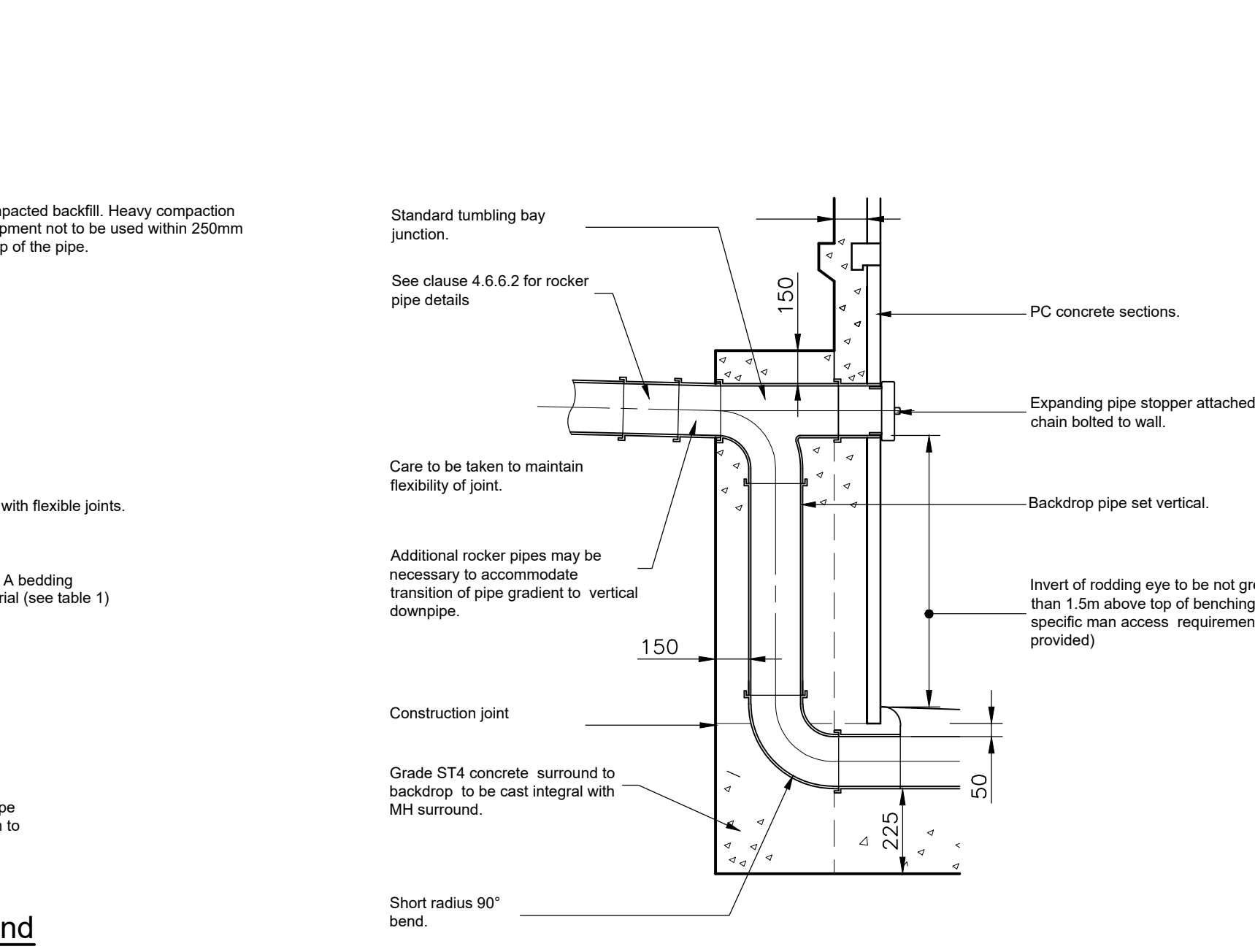
Refer also to Civil Engineering General Note 8.8 on dwg no. 15478-TUL-XX-XX-DR-C-91001.



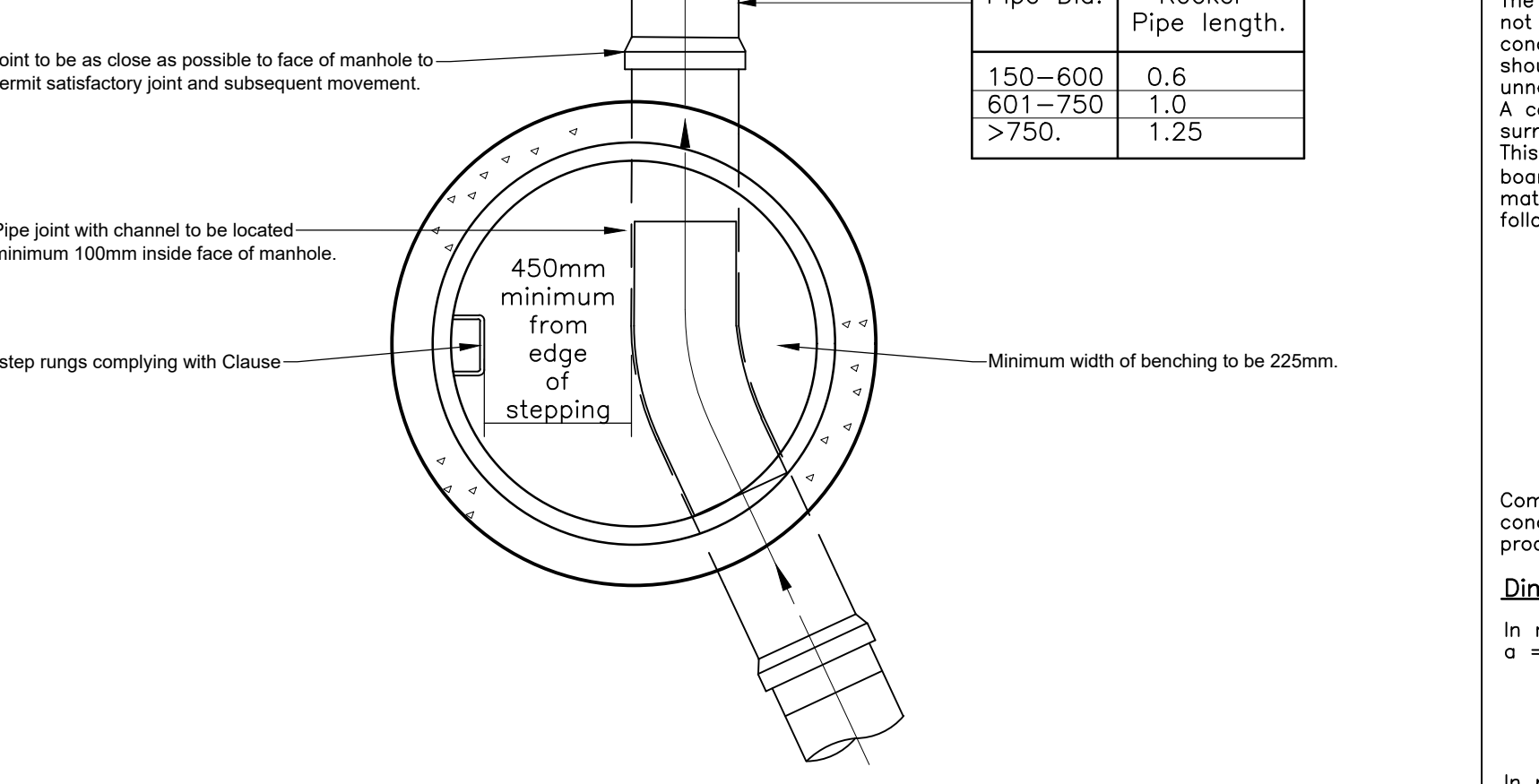
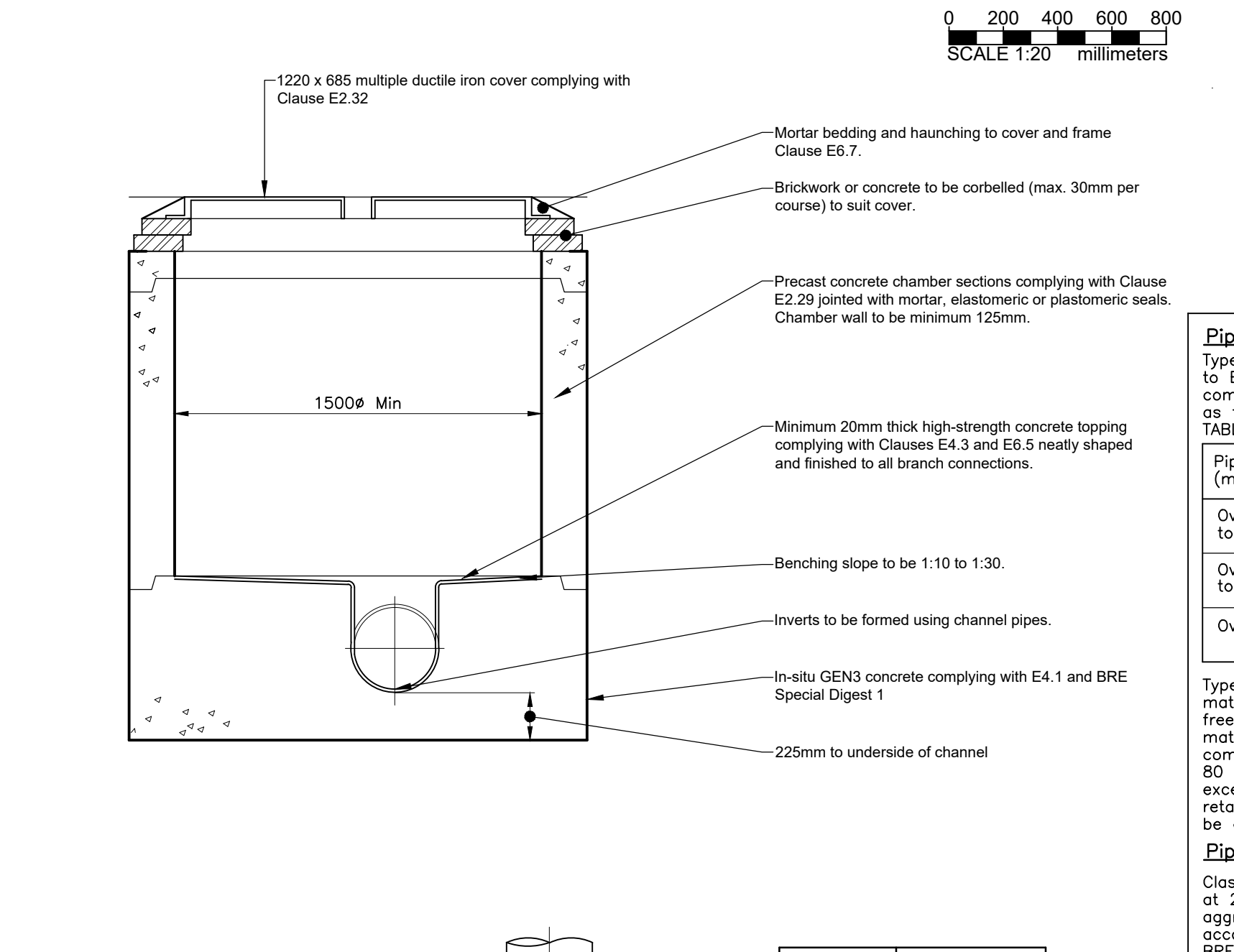
Typical Manhole Detail - Type B
Depth from cover level to pipe soffit 1.5m to 3m.

Refer also to Civil Engineering General Note 8.9 on dwg no. 15478-TUL-XX-XX-DR-C-91001.

Alternative detail without concrete surround:
use min. 125mm thick pre-cast concrete rings and pre-cast concrete base unit extending at least 150mm beyond outer face of ring sections.

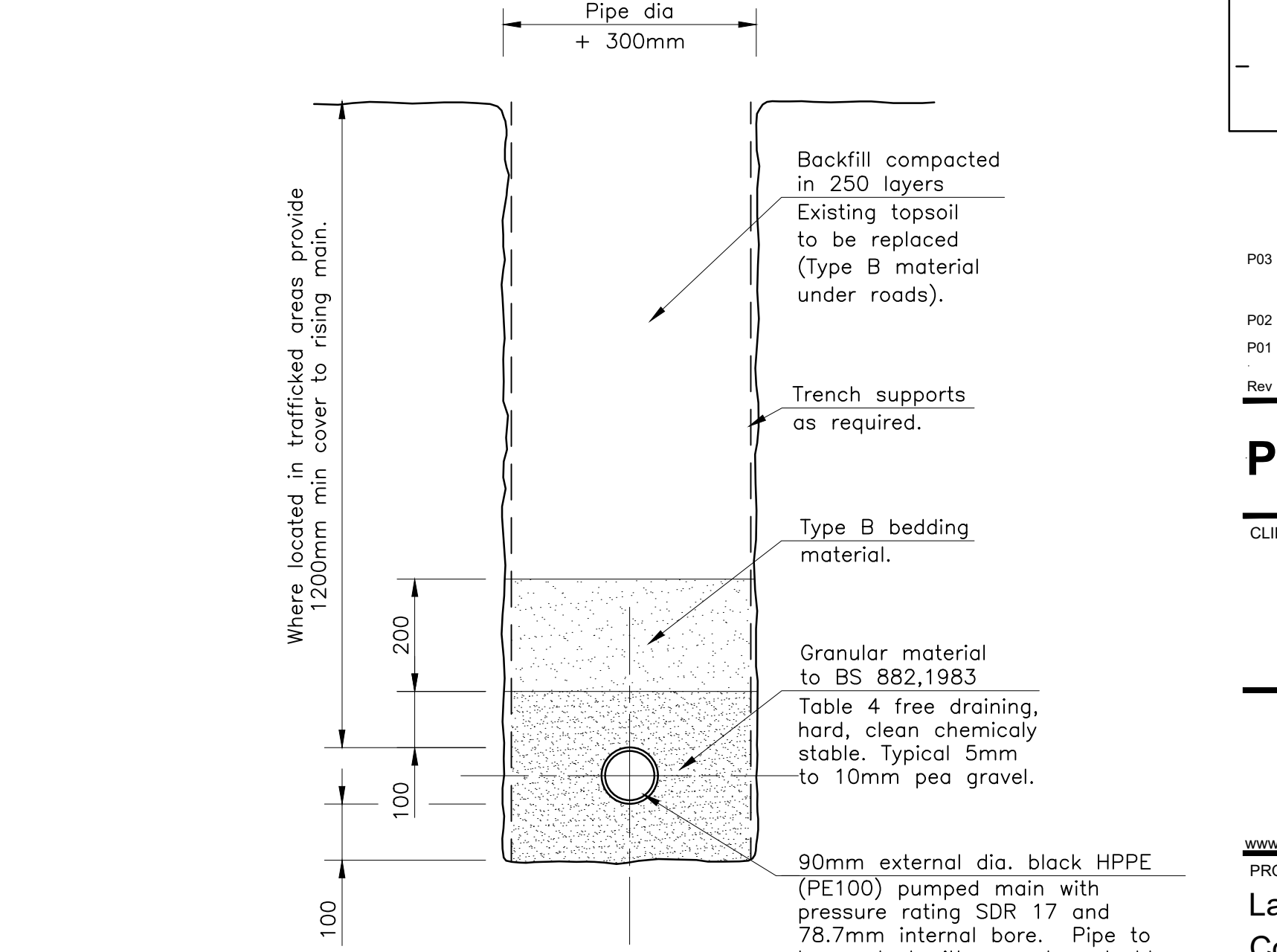


Typical Vertical Backdrop Detail.



Type C - Adoptable Manhole
Depth from cover level to soffit of pipe less than 1.5m

Refer also to Civil Engineering General Note 8.9 on dwg no. 15478-TUL-XX-XX-DR-C-91001.



Thrust blocks are not required where HDPE pipe is used.

PUMPED MAIN BEDDING DETAIL

Refer also to Civil Engineering General Note 8.7 on dwg no. 15478-TUL-XX-XX-DR-C-91001.

0 200 400 600 800
SCALE 1:20 millimeters

General Notes:

- For Civil Engineering General notes to dwg no. 15478-TUL-XX-00-DR-C-91001
- All adoptable elements of the works to be constructed in accordance with the Sewerage Sector Guidance Appendix C - Design and Construction Guidance "the code". Sections of the foul and surface water drainage as shown will be adopted under the terms of a Section 104 Agreement.

Pipe Bedding & Sideliff Materials.

Type A bedding material shall be aggregates conforming to BS 882, or BS EN 12620, nominal single-size or graded complying with the recommendations of Wis No. 4-06-01 as follows :-

Pipe dia. (minimum)	Single-size.	Graded.
Over 100 to 150	10mm nominal single-size.	
Over 150 to 500	10 or 14mm nominal single-sized.	14mm to 5mm graded
Over 500	10,14 or 20mm nominal single-sized.	14 or 5mm graded or nominal single-sized.

Type B material shall be selected excavated or imported material consisting of uniform, readily compactable material, free from vegetable matter, building rubbish and frozen material, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessive high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material.

Pipes Laid with a Concrete Bedding Surround

Class A concrete surround to be minimum cube strength at 28 days of 20N/mm² for non-aggressive soils. For aggressive soil conditions the concrete mix shall be in accordance with the requirements of BRE Digest 250, or BRE paper CP23/77 as appropriate. The backfill, other than the first 150mm of cover, should not be placed before the compressive strength of the site concrete has reached 14N/mm². The concrete mix should be so designed that this is reached without unnecessary delay. A compressible filler shall be placed throughout the concrete surround at all pipe joints. This shall consist of bitumen impregnated insulating board to BS EN 322, or other equally compressible material. The thickness of compressible filler shall be as follows :-

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

Compressible packing for use between pipes and precast concrete setting blocks shall consist of bitumen dampproof sheeting complying with BS 743.

Dimension 'a'

In machine dug uniform soils :-
a = For sleeve jointed pipes, a minimum of 50mm or 1/6Bc, whichever is the greater, for socketted pipes a minimum of 100mm or 1/6Bc, whichever is the greater under barrels but not less than 50mm under

In rock or mixed soils containing rock bands, boulders, large flints or stones or other irregular hard spots these values need to increase accordingly.

Pipe Materials.

- Plastic, clay or concrete as appropriate for pipe diameter, i.e.
 - 100ø, 150ø, 225ø or 300ø - Clay or plastic
 - 375ø or larger - Concrete or plastic
- For specification of pipe materials refer also to Civil Engineering General Notes 8.4 & 8.5 on dwg no. 15478-TUL-XX-XX-DR-C-91001

P03	07.01.26	Various notes added referring to Civil Engineering General Notes. Pumped Main Bedding Detail added. Type A1 part-detail added.	IU	PAJT
P02	11.11.25	Type A and type C manhole details updated.	IU	PAJT
P01	29.08.25	First issue	IU	PAJT

Rev	Date	Description	By	Ckd
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SUITABILITY CODE		
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PROJECT

Land south of Station Road, Cowfold, RH13 8QZ

DRAWING TITLE

Adoptable Drainage Details Sheet 1

Originator No.	Scale	Revision
15478	1:20@A1	P03
PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER		
15478-TUL-XX-XX-DR-C-65001		