

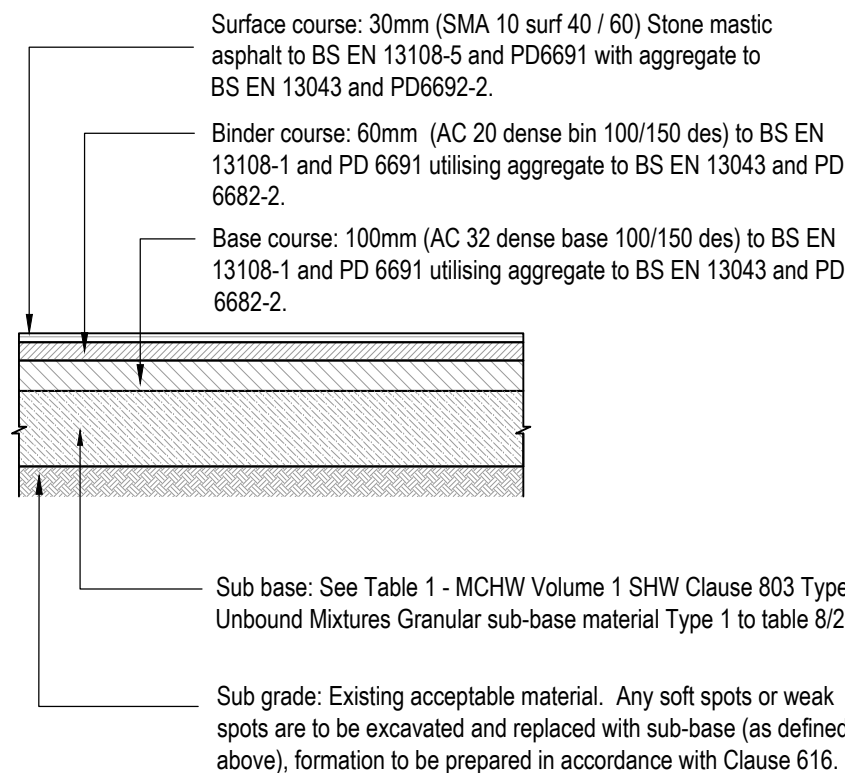
Table 1

California Bearing Ratio (CBR) Values	Minimum thickness (mm) of Type 1 sub-base (Consolidated in accordance with MCHW Volume 1 Clause 801, table 8/1)	
	Without Geogrid underneath	With Geogrid underneath
Less than 2%	N/A refer to specialist design	N/A refer to specialist design
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	
7% - 20%	100	

Construction Notes:

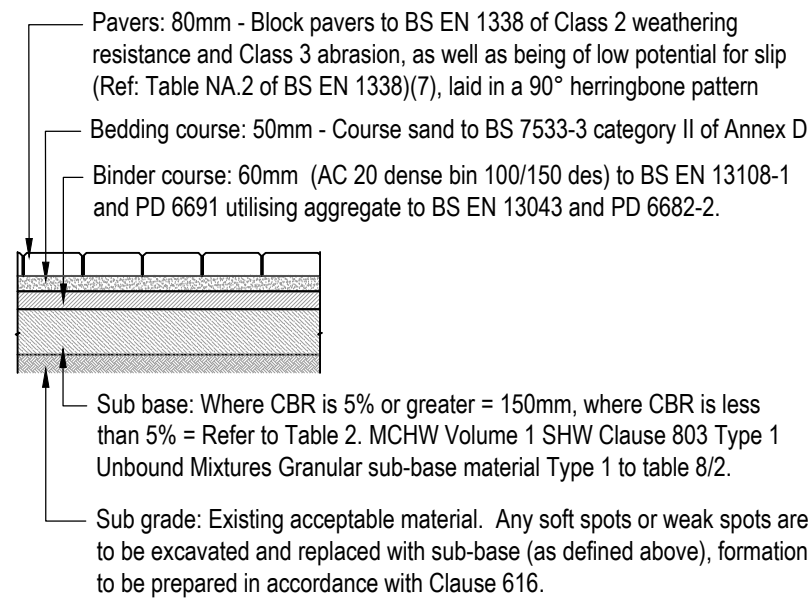
1) In all cases overall construction shall be a minimum of 450mm. Where the standard detail is less the sub-base thickness shall be increased as necessary.

2 All details are based on a sub-base solution, in accordance with Table 1 (above). If a capping layer is specified then sub-base thickness can be reduced. DMRB Volume 7 Section 2 Part 2 HD 25/95 Foundations Chapter 3 Capping and Sub-base gives guidance on capping and sub base thickness design based on CBR values and with and without a capping layer.



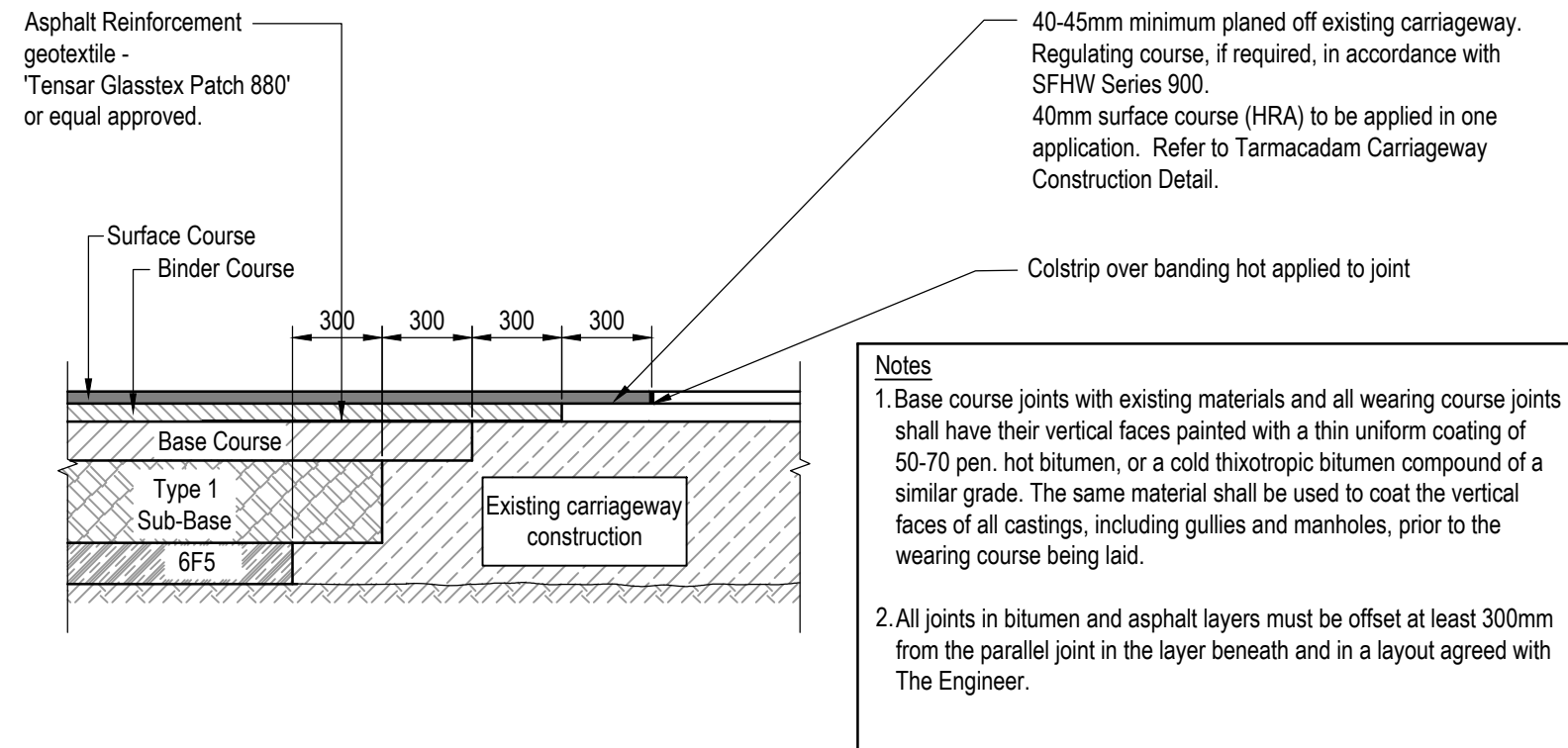
Tarmac car park construction

Scale 1:25



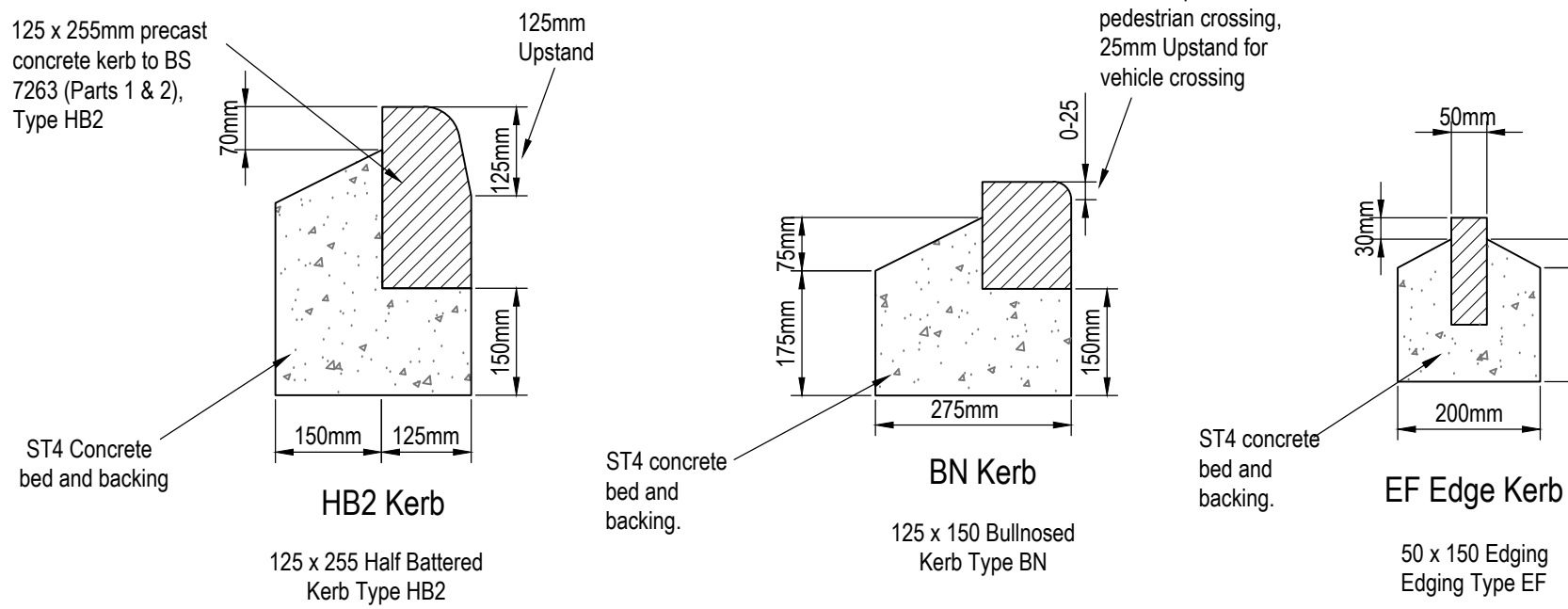
Block Paved Footway construction

Scale 1:25



New / Existing Carriageway Tie-In Detail

Scale 1:25

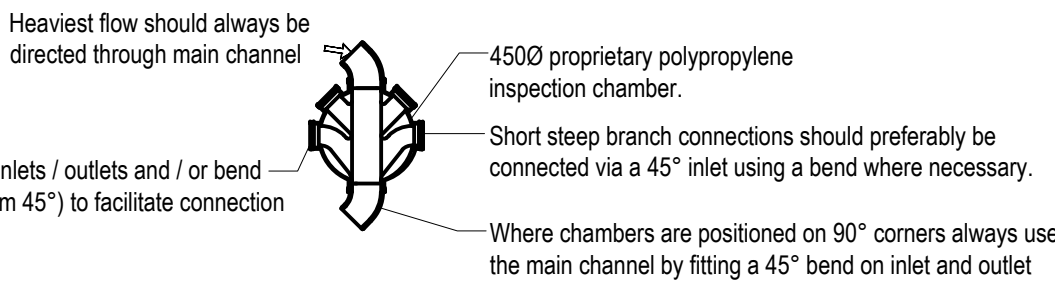
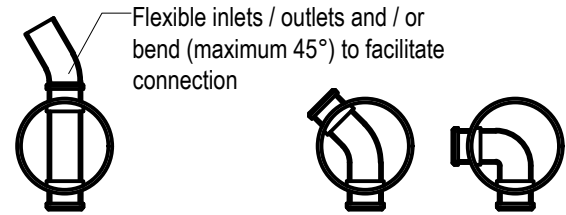


Kerb and Edging Details (BS EN 1340:2003)

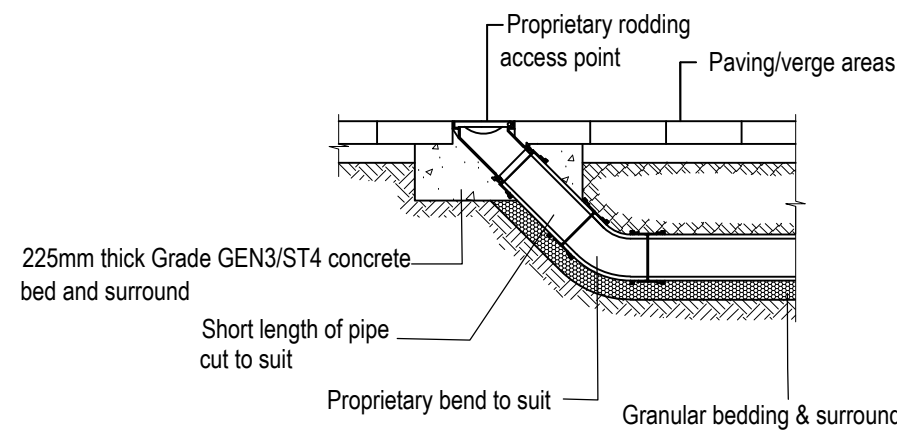
Scale 1:10

Notes for kerbs

- All linear dimensions are in millimetres unless stated otherwise.
- The kerb base shall sit directly on sub-base at either its design level or lower.
- The minimum depth of kerb base shall be 150mm. The minimum depth of edging base shall be 100mm.
- The minimum thickness of sub-base below kerb base shall be 110mm or 150mm where no lower sub-base is specified.
- All vertical faces on kerb base and backing shall be formed with shuttering.
- Kerbs shall be backed up while the kerb base remains plastic (max. 6hrs after batching).
- Mortar shall comply with SHW Clause 2404 designation (i).
- Kerb reference numbers are defined in BS EN 1340:2003.
- For kerblines radii not exceeding 12m, appropriate curved kerbs shall be used.
- For kerblines radii exceeding 12m but not exceeding 20m, 610mm long straight kerbs shall be used.
- Bond coat to Clause 920 shall be applied to the carriageway surface in accordance with BS 434: Part 2 prior to the laying of extruded asphalt kerbing.

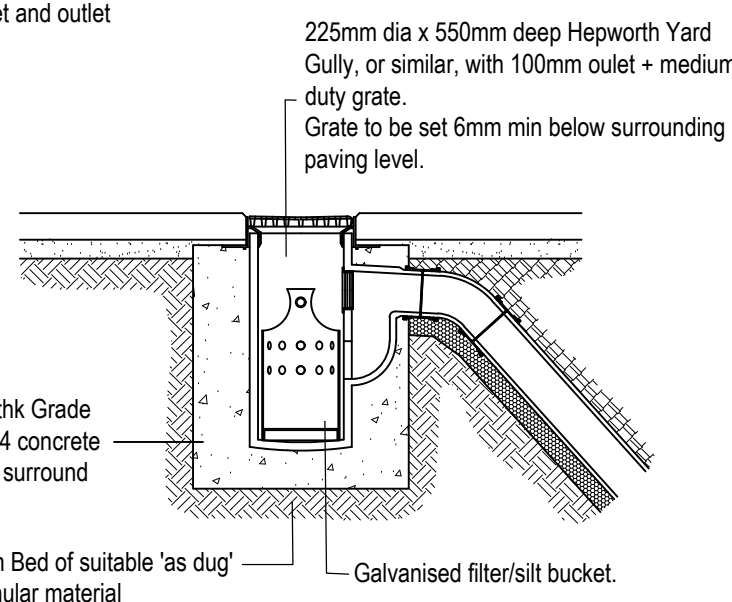


Alternative Base Layouts For Type 3 Chambers



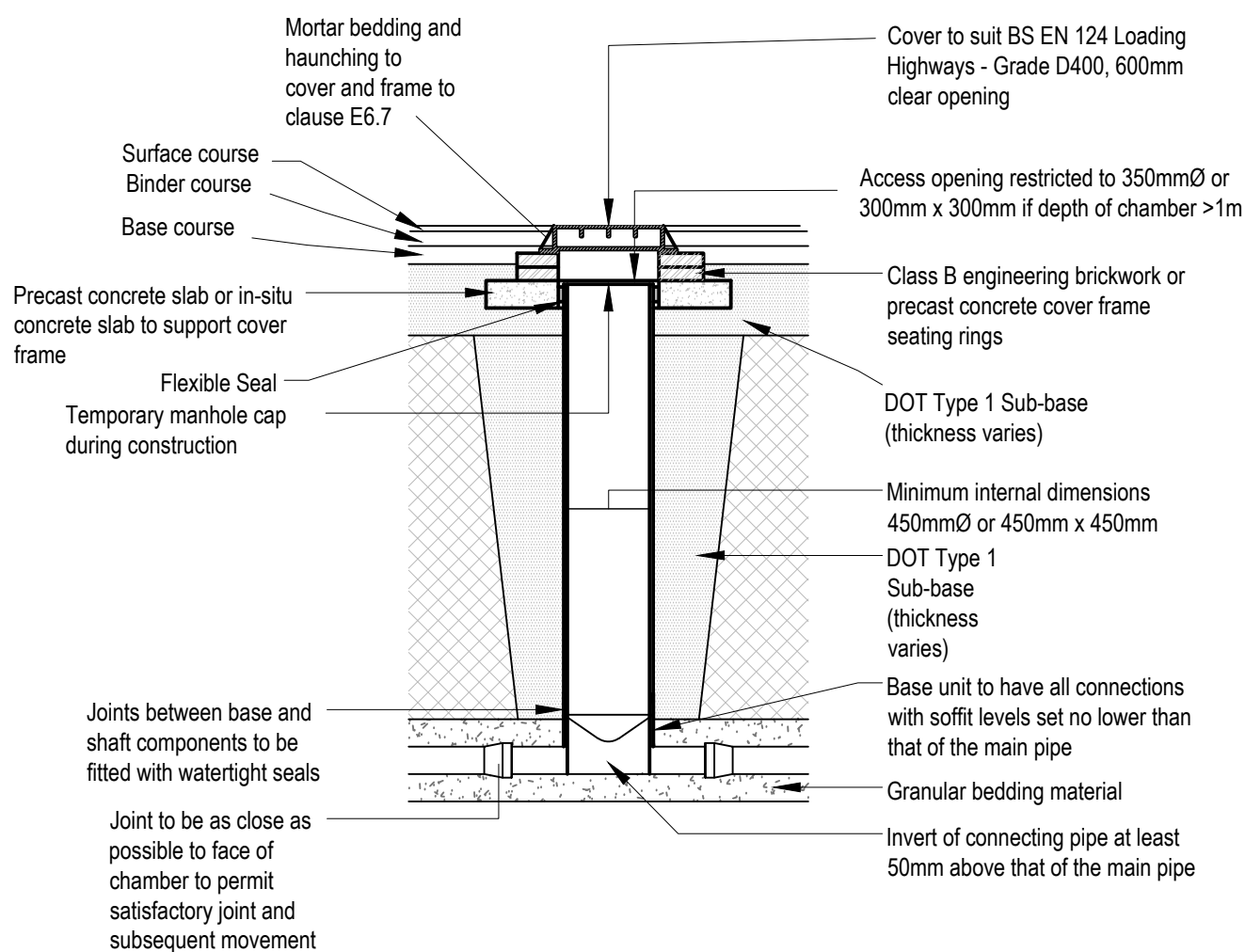
Rodding Eye-Typical Detail

Scale 1:20



Typical Section Through Yard Gully

Scale 1:20

Type 3 Inspection Chamber detail (Flexible Material)
in areas subject to vehicle loading

Maximum depth from cover level to soffit of pipe in areas subject to vehicular loading 3m, non entry

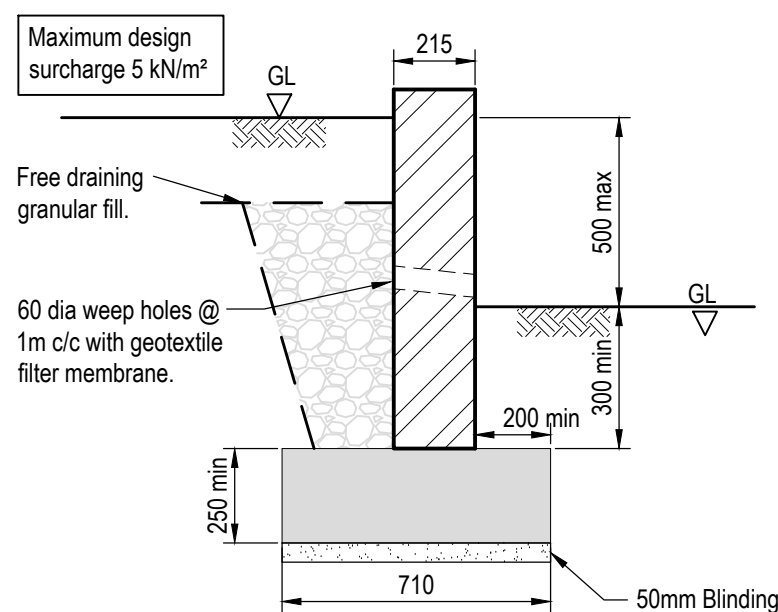
Pipe Bedding Material Details

- ① Material designated type 'A' shall consist of angular gravel or crushed rock graded in accordance with BS 882, or air cooled blast furnace slag to BS 1047, or sintered pulverised fuel ash to BS 3797, selected according to pipe size as follows:-

Nominal Size of Pipes (mm)	Maximum Particle Size (mm)	Imported Granular Materials
100	10	10mm nominal single-size
Over 100	15	10 or 14mm nominal single-size or 14mm to 5mm graded

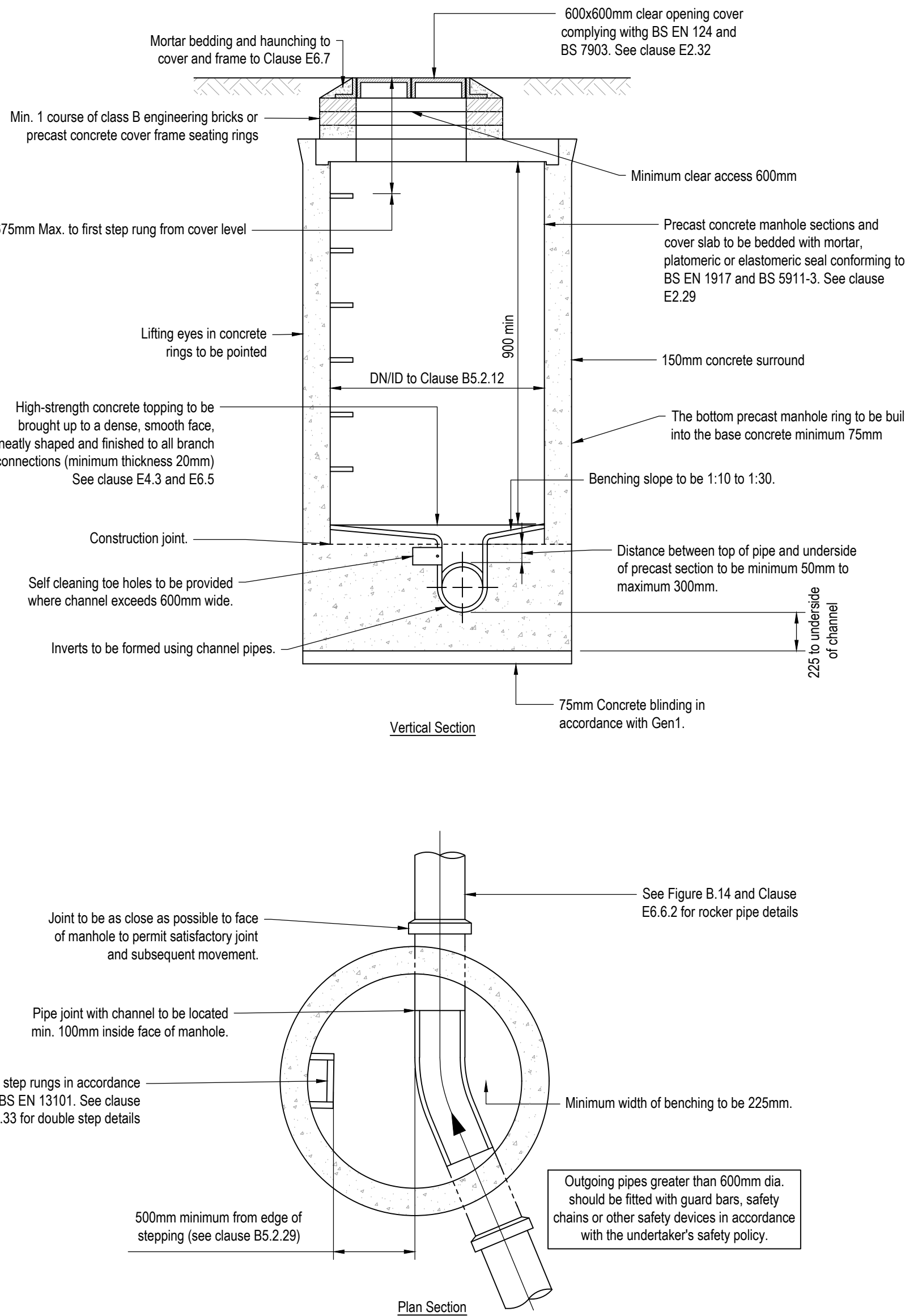
Note:

At each flexible pipe joint a joint filler (e.g. fibreboard or polystyrene) shall be used (see table below), and shall extend through the full thickness of any concrete in contact with the pipe. The concrete bed shall be cut away at each joint to give a clearance of at least 50mm, so that the joint does not bear on the bed.



Type A

Upto 500mm Masonry Wall
(Allowance for Driveway loading)
(Scale 1:20)



Typical Manhole Detail - Type 2

Depth from cover to soffit of pipe 1.5m - 3m

Rigid material construction with concrete surround

Scale 1:25

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Health & Safety Note

The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

Rev.	Date	Description	Drw / Chk'd / App'd
P02	05/06/2024	Retaining wall detail added	AG / AMc / AMc
P01	30/05/2024	First Issue	AG / AMc / AMc
Submittal			

S4 - Suitable for Stage Approval



Client	BKUK Group Ltd	Revision	
Job	Burger King Barnsley	Document/Revision Number	
Title	Typical Construction Details	Project - Originator - Volume/System - Level/Location - Type - Discipline - Number	Reason
Classification	FL_60_20	Scale @ A1:	As Shown
Scale @ A1:	As Shown	Document/Revision Number	M44627-JNP-90-XX-DR-C-3001
Scale @ A1:	As Shown	Document/Revision Number	P02