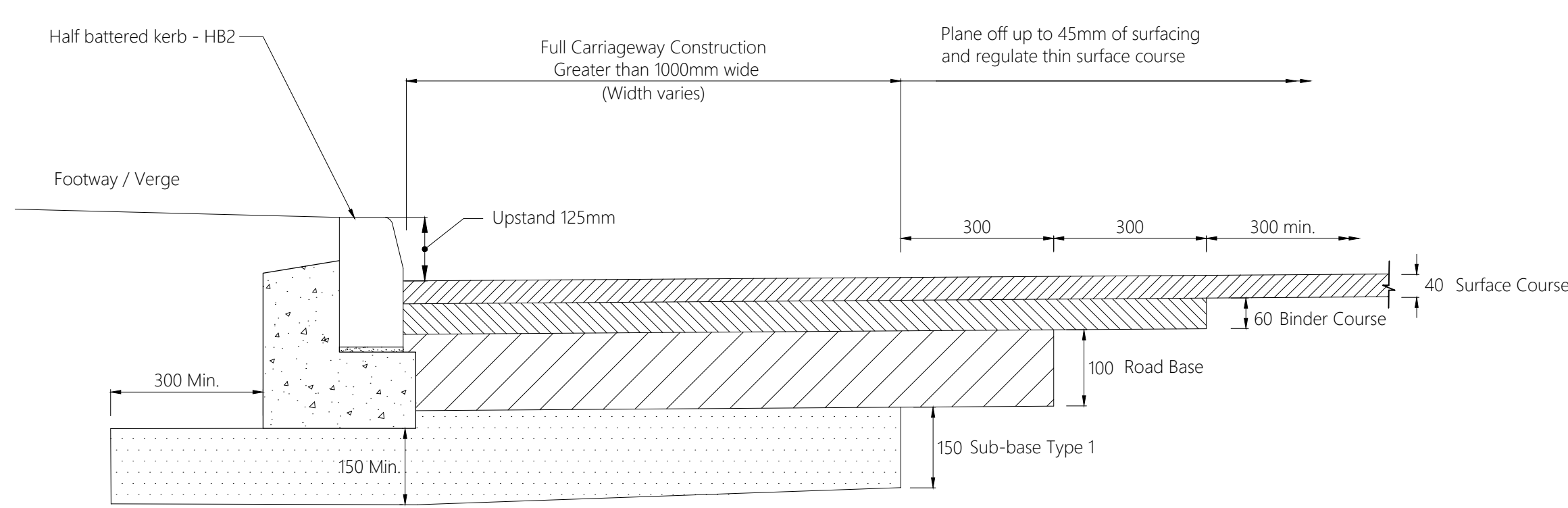
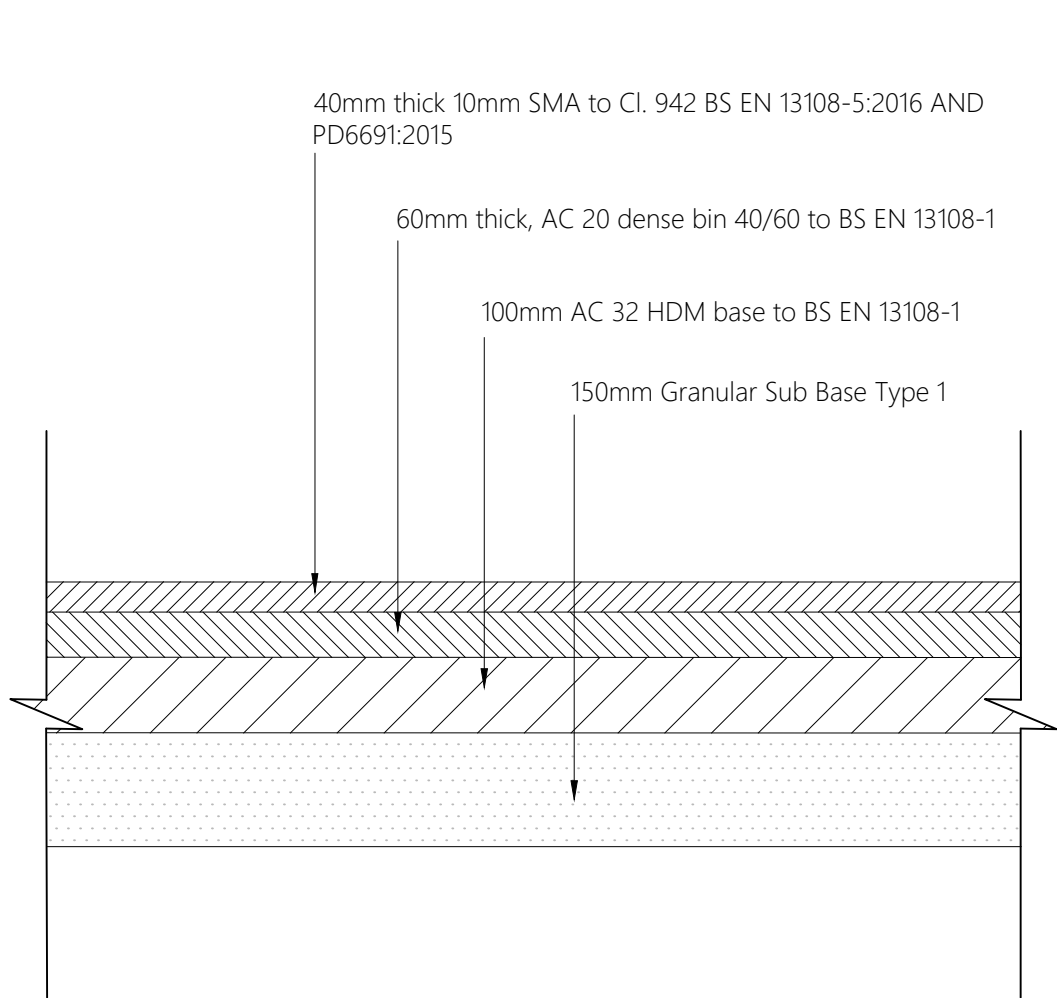
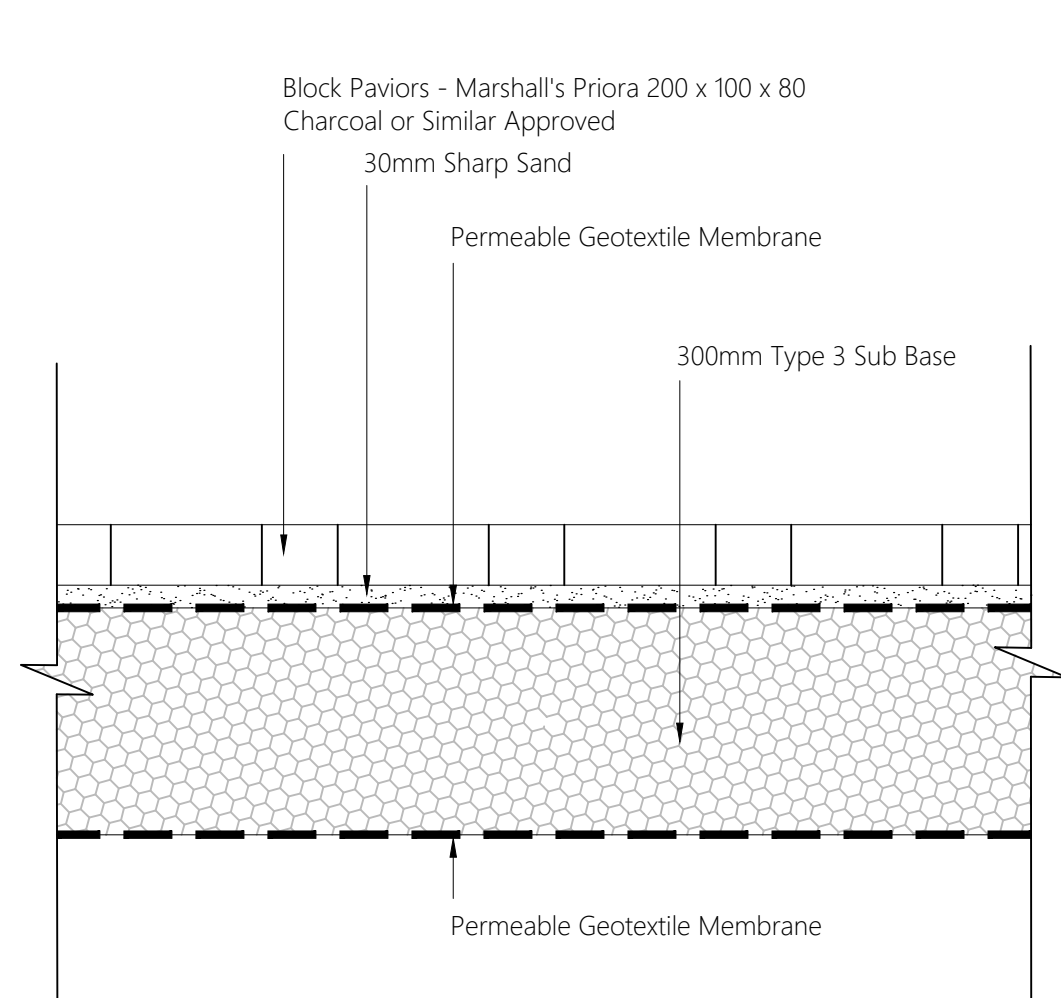




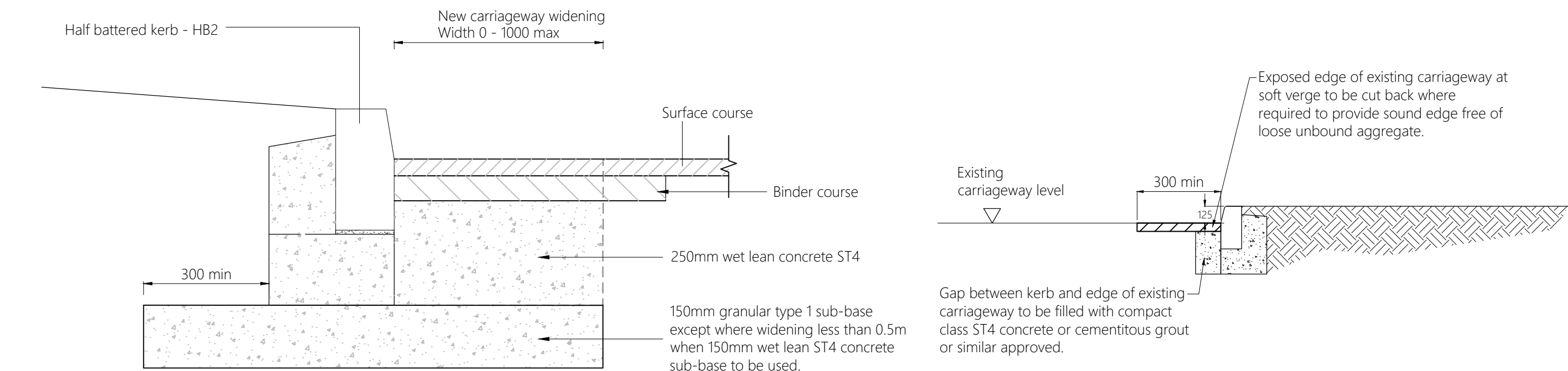
Carriageway Tie in and Widen Construction Detail "to be adjusted to suit existing"



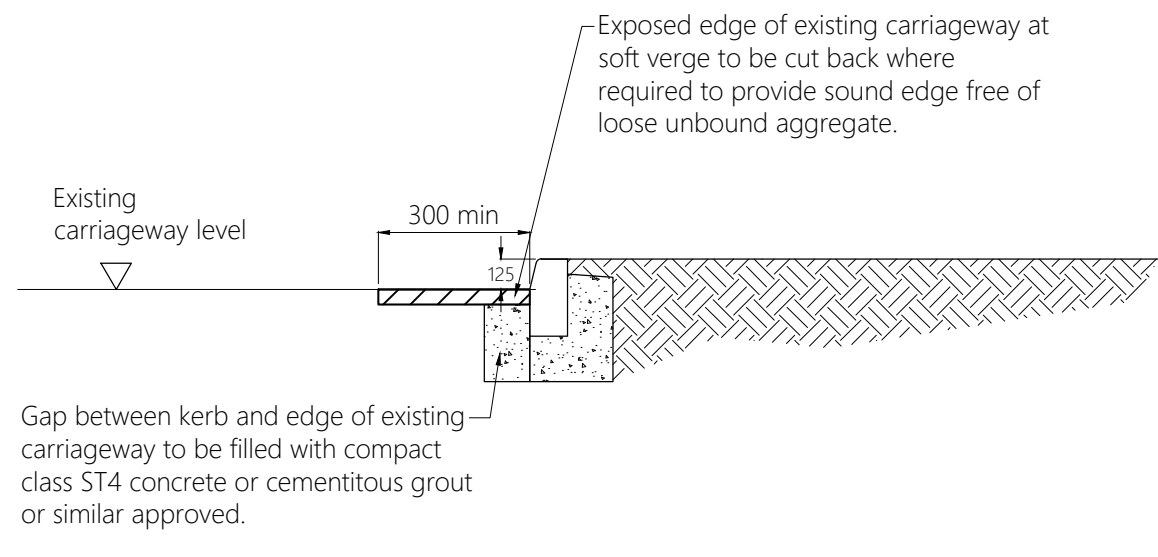
Carriageway Type 1 Construction Details



Carriageway Type 2 Construction Details (Permeable Parking Bays)



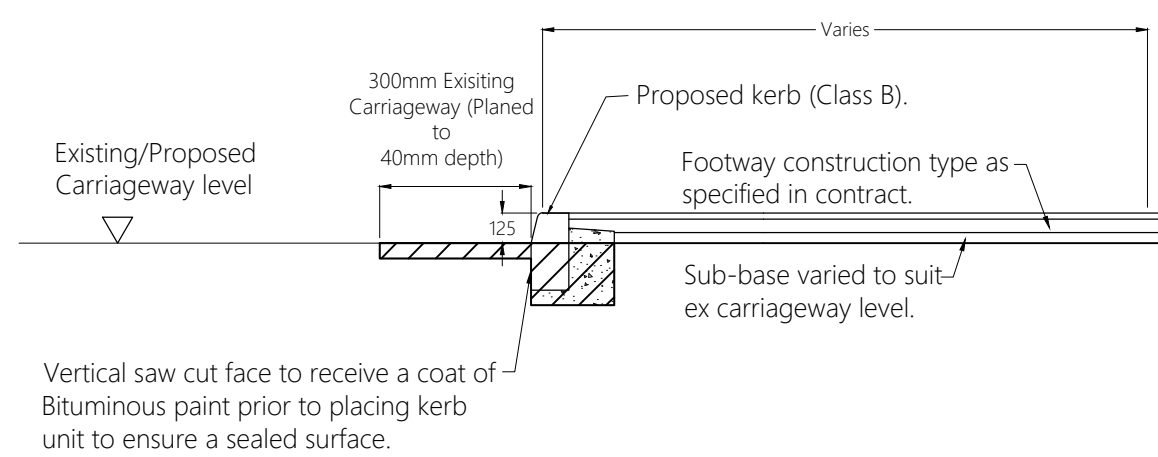
Narrow Carriageway Widening Detail (0-1000)



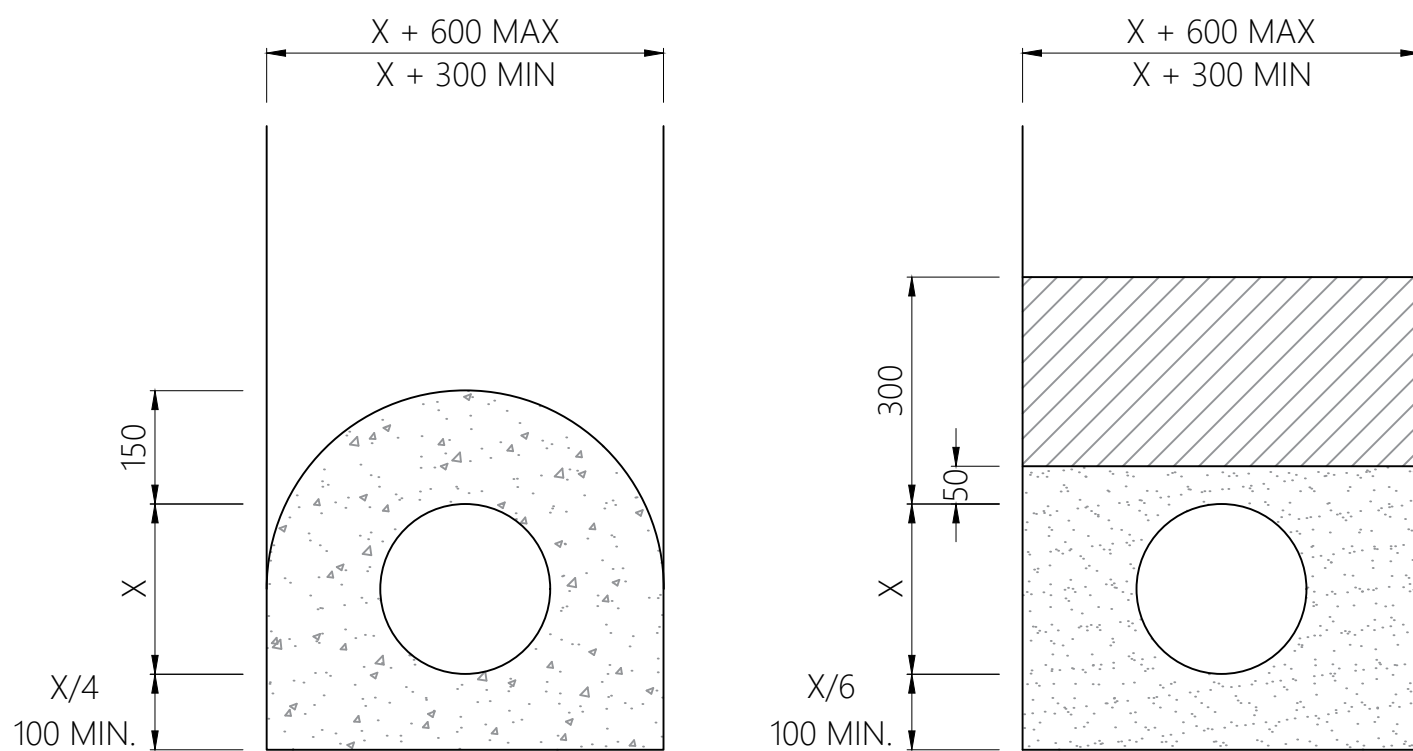
Typical detail for new kerb at edge of existing carriageway with soft verge

CBR%	INCLUDING CAPPING LAYER		
	Capping (mm)		+Sub-base (mm)
Less than 1	Deemed Not suitable for road construction		
1-2	600 Rock Fill	+	150
2-3.5	600	+	150
>3.5-5	350	+	150
5-15	-	+	225
Greater than 15	-	+	150

Highway Foundation Design



Island Over Ex Carriageway Detail



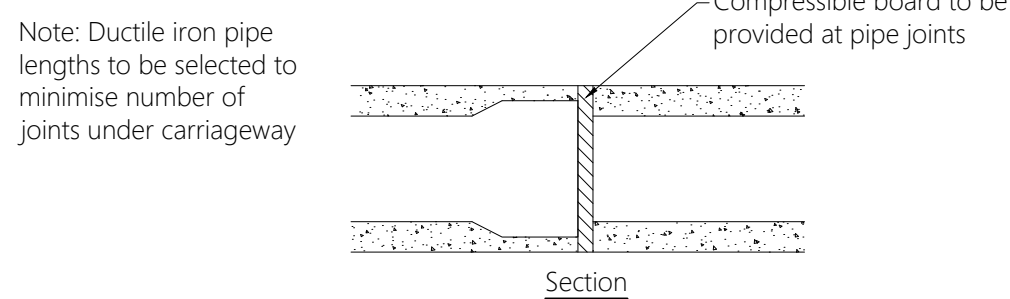
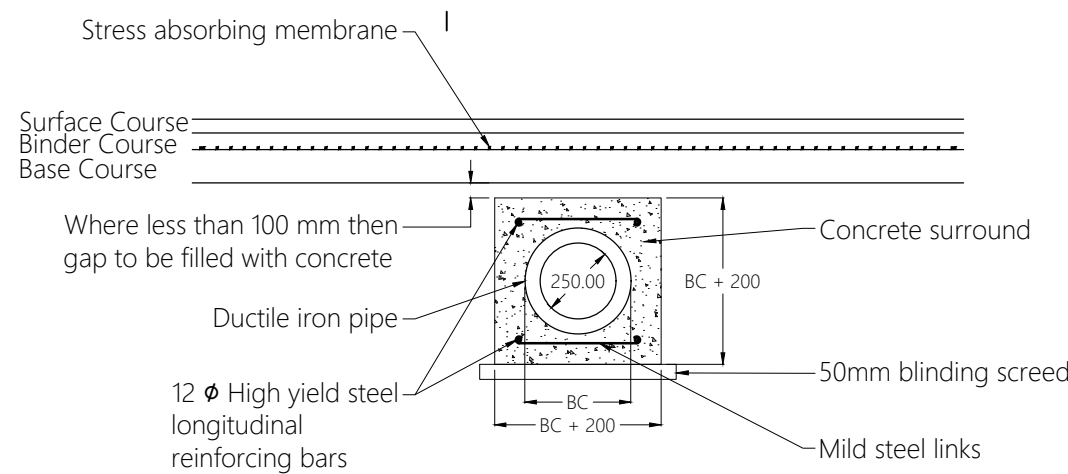
KEY

- GRANULAR MATERIAL TO S.H.W. CLAUSE 503.3 (i)
- CONCRETE TO S.H.W. CLAUSE 503.3 (iii)
- CLASS B MATERIAL TO S.H.W. CLAUSE 503.3 (iv)

NOTES:

- All dimensions are in millimetres.
- Dimension X is the external diameter of the pipe.
- The minimum or maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line the trench backfill material shall be as described in clause 505 of S.H.W.
- The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class B material is to be used to fill any voids formed.
- For type Z trench the concrete cover may be formed to a radius, batter or horizontal surface. Min. cover of concrete shall be 150mm.

SURFACE WATER DRAINS - TRENCH AND BEDDING DETAILS



Pipe Concrete Surround Detail

Where existing formation is lower than proposed formation and proposed carriageway falls away from existing then the proposed formation level shall be lowered to match existing with fall towards edge of proposed carriageway and regulating sub-base shall be provided to make up difference in level. Where proposed carriageway falls towards existing then additional excavation and regulating sub-base will not be required.

Note: Following confirmation of existing pavement thicknesses the Contractor shall submit details for approval to the Overseeing Organisation of how they propose to tie-in the new construction to existing following the principles shown in the typical sections.

Carriageway Tie-in Detail - Typical details for variation in thickness between existing and proposed carriageway constructions

Notes

- Do not scale from this drawing. All dimensions shown are in metres unless noted otherwise.

Ordnance Survey Licence number: 100057360

Drawing Revisions

Rev:	Dwn:	Date:	Details	Chk:
-	BM	25/02/2022	First issue	PK
A	DC	25/03/2022	Preliminary stamp removed	PK
B	JT	25/01/2023	Updated title block	BM

Client

HORIBA MIRA Ltd

Project

MIRA Technology Park - Phase 2 Infrastructure

Title

Standard Construction Details (Sheet 2 of 4)

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Drawing Number:

20-170/711/02

Scale:

N.T.S. @ A1

Revision:

B