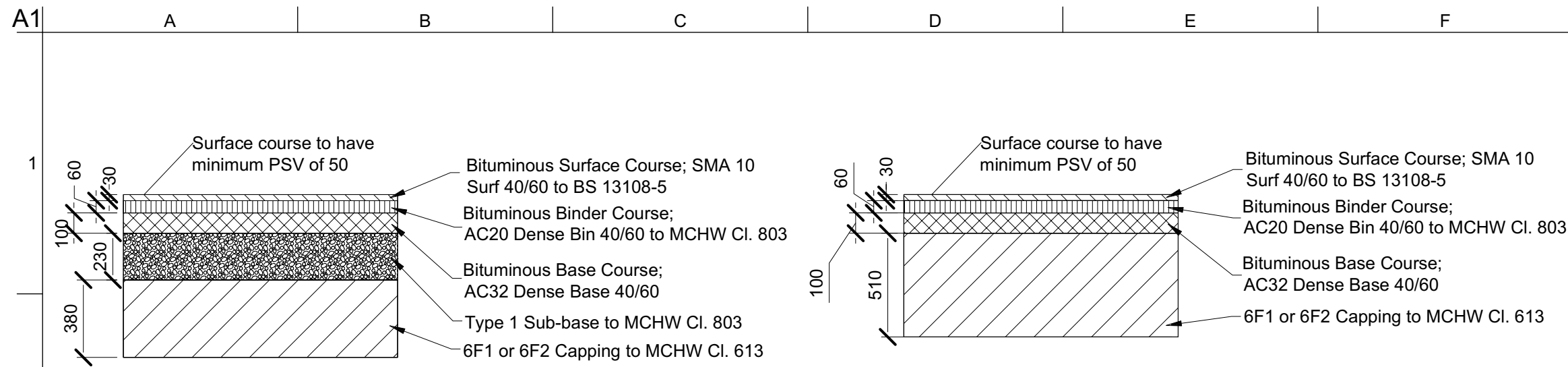




B1 - Typical Bituminous Pavement Detail

Trafficked CD-225, CD-226 (<1 msa) & minimum 3% CBR
Scale 1:25

Pavement Type	Pavement Layer	CBR at Formation					
		> 15%	15 - 5%	5 - 4%	4 - 3%	3 - 2.5%	< 2.5%
Sub-Base & Capping	Capping Material (Srs. 613 MCHW)	150	320	240	380	420	Special Consideration Required
	Sub-Base (Clis. 803 MCHW)	150	200	220	230	245	
Sub-Base Only	Sub-Base (Clis. 613 MCHW)	200	270	N/A	N/A	N/A	
Capping Only	Capping Material (Srs. 613 MCHW)	200	390	445	510	550	

Table 1 - Bituminous Pavement Foundations for Different CBR Values

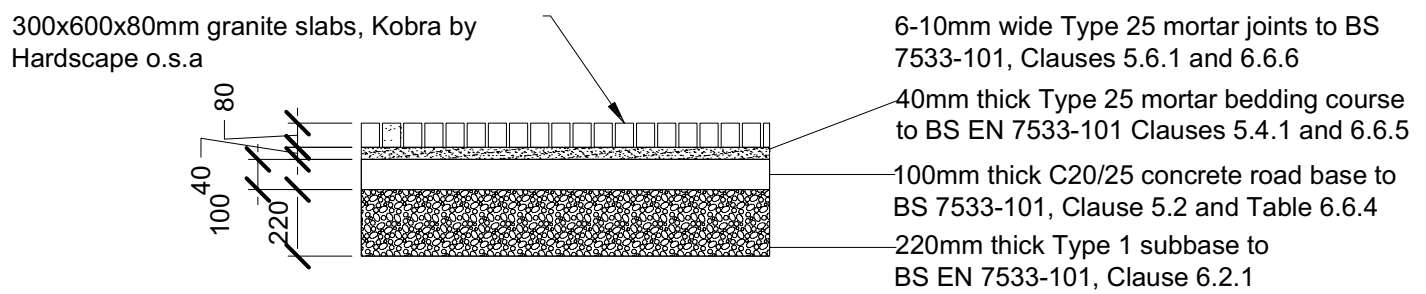
Design in accordance with CD225

Notes continued

16. Concrete backing to kerbs and raised edges shall be C20/25 concrete in accordance with SHW Series 1100 unless specified otherwise.
17. Jointing and bedding materials to be in accordance with BS7533-7 and shall incorporate a suitable stabilising liquid/compound subject to the requirements of the Landscape Architect.
18. Pavements design based on Landscaping General Arrangement drawing L025-LRY-90-EX-00-D-L-001001 RevC04 dated 30-08-2024.

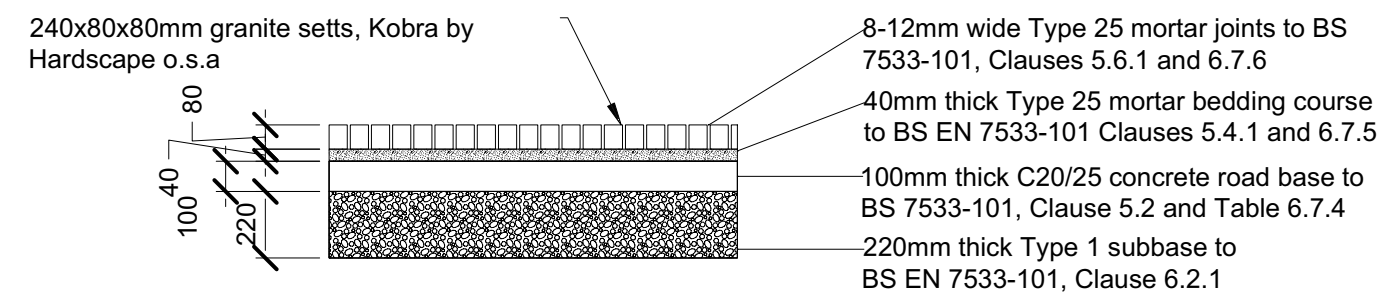
Notes

1. All dimensions are in mm, all levels in mAOD, unless specified otherwise.
2. For kerbs and edging types and extents refer to Landscape Architect's drawing L025-LRY-90-EX-00-D-L-004001 Rev C06.
3. Refer to drawing L025-ARU-90-01.00-D-C-300001 for location and extent of pavement build-ups.
4. Pavement materials over the culvert are not to be compacted using a vibratory roller within 3m of the culvert's centerline.
5. For all vehicle trafficked areas, any frost susceptible material shall be removed to a depth of 450mm below the proposed finished levels and replaced with a non-frost susceptible materials.
6. For the purposes of the design, a CBR of 3% has been assumed at formation level. See Table 1 for alternate foundation depths.
7. The Contractor shall ensure that the in-situ CBR values at all proposed formation levels are confirmed on site by a Specialist Geotechnical Contractor.
8. The Contractor shall allow for the inspection of proposed formation materials by a geotechnical engineer and client's representative. The Contractor shall ensure that suitable depths of construction are provided in accordance with their Drawings and Specifications provided.
9. Unless otherwise indicated on the drawings, Type 1 Granular Sub-base shall be in accordance with Clause 803 of MCHW and capping material shall be in accordance with Series 600 of MCHW. All depths of construction are to be agreed with the Engineer, based on in-situ CBR values at formation level.
10. This drawing shall be read in conjunction with all other Engineer's drawings, specifications and reports.
11. The pavement designs provided do not include any allowance for trafficking of construction traffic. It is the Contractor's responsibility to make the Engineer aware of this requirement prior to construction of the pavement foundation. The pavement designs provided do include allowance for infrequent use of a mobile crane as part of the building's Access & Maintenance strategy. Refer to Curtin's sketch 72523-CUR-00-XX-DR-TP-05008_P01 for details.
12. Refer to the Landscape Architect's drawings and specification for surface course plan dimensions and minimum physical properties.
13. All natural stone setts shall conform to BS EN 1342 and be laid in accordance with BS7533-101.
14. All natural stone slabs shall conform to BS EN 1341 and be laid in accordance with BS7533-101.



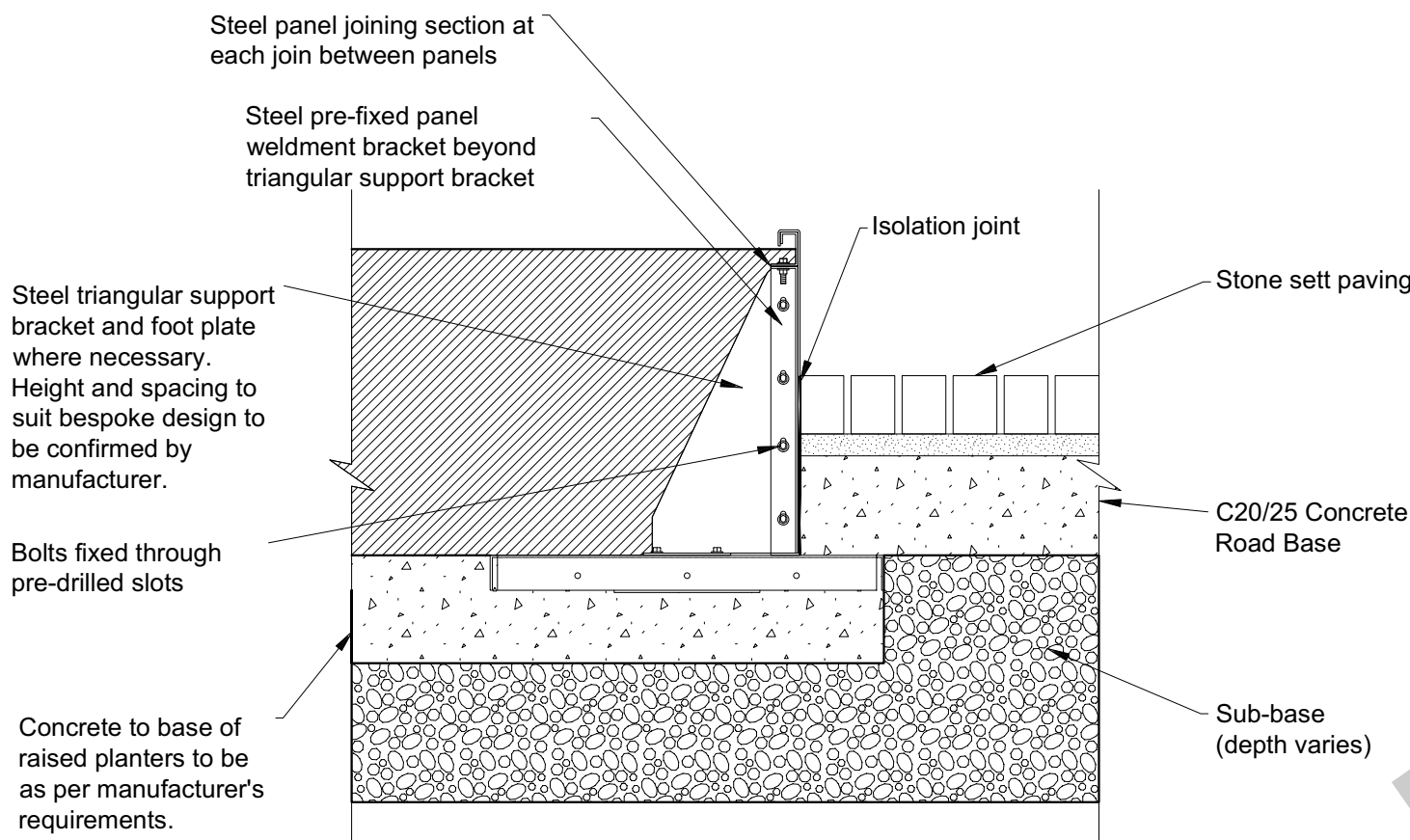
G1 - Typical Stone Slab Pavement Detail

Untrafficked
BS 7533-101 (Stone Slab, Traffic Category 3, minimum 3% CBR)
Scale 1:25



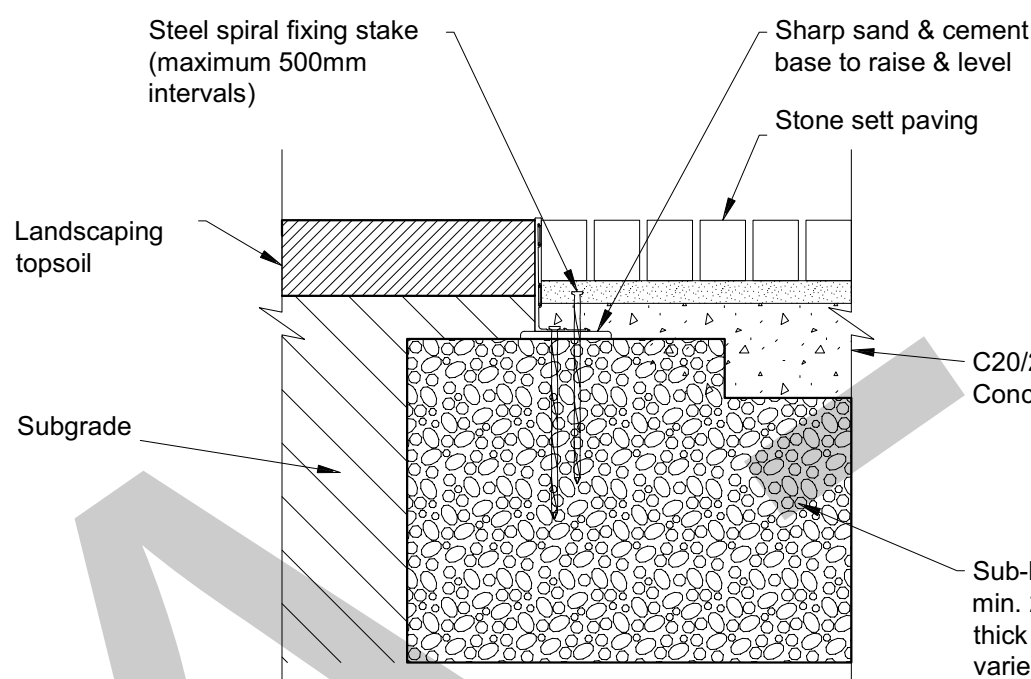
G2 & G3 - Typical Small Stone Sett Pavement Detail

Trafficked and Untrafficked
BS 7533-101 (Stone sett, Traffic Category 4; 3% CBR)
Scale 1:25



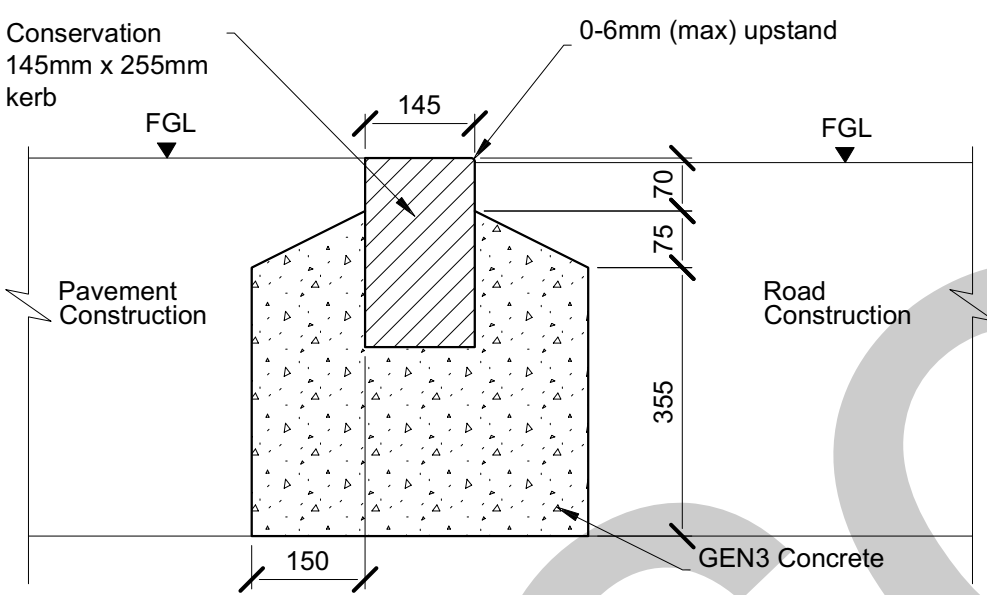
E2.1 and E2.2 Steel Edging with 200 mm Upstand Section Detail

Scale 1:10



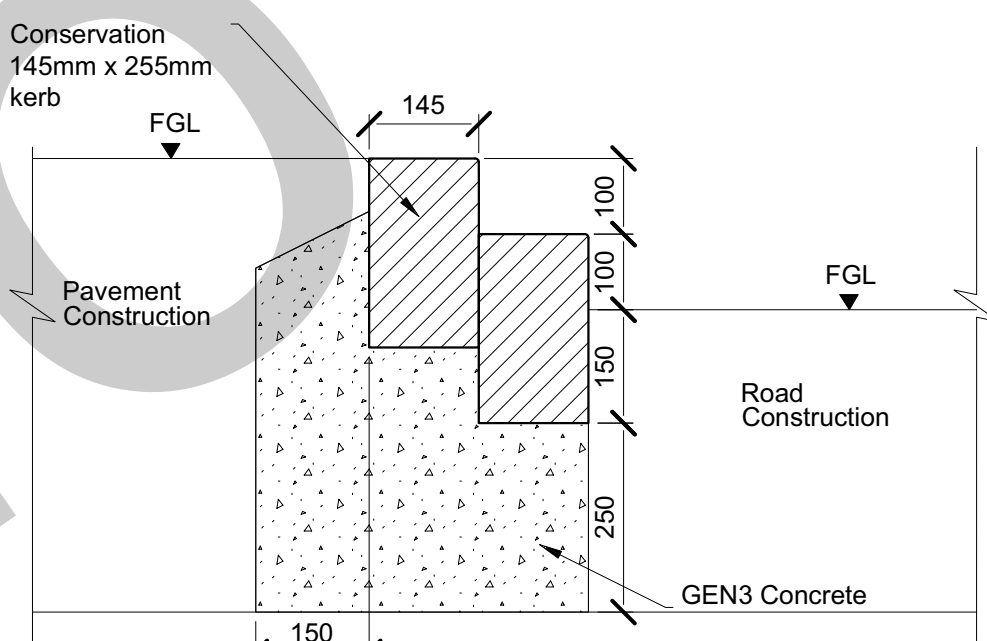
E2.0 Steel Edging Laid Flush Section Detail

Scale 1:10



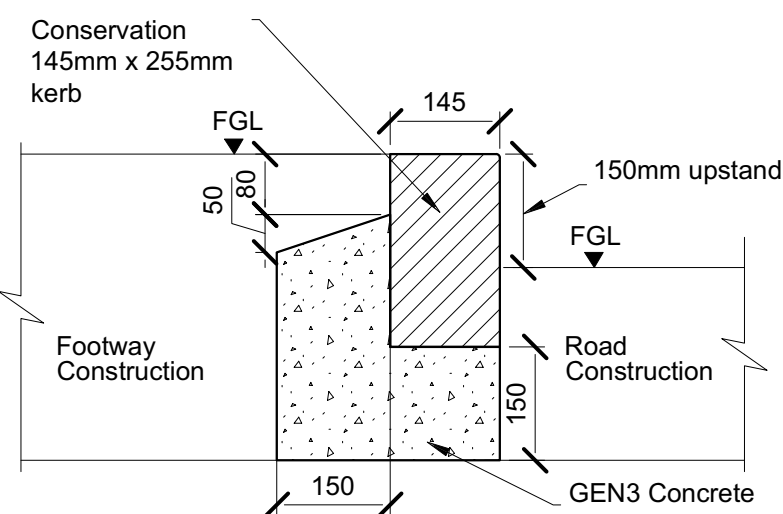
E1.0 Conservation Kerb 0mm Upstand

Scale 1:10



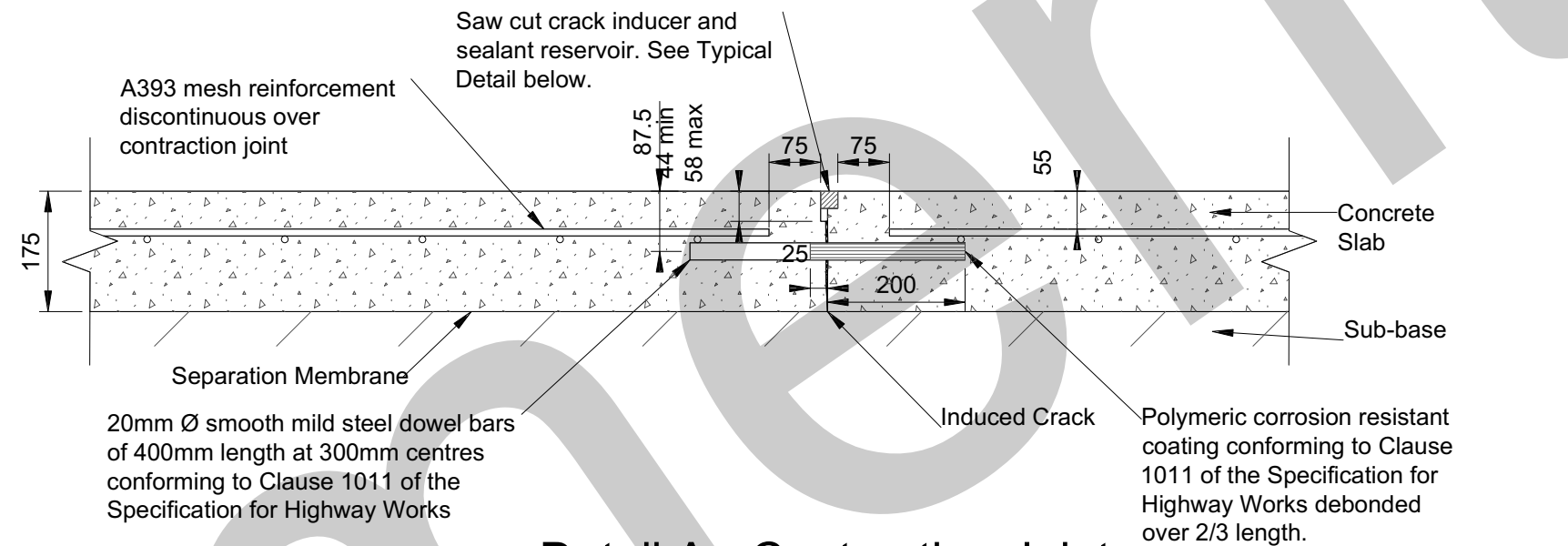
Typical Double Kerb Detail 0 - 200mm Upstand

Scale 1:10



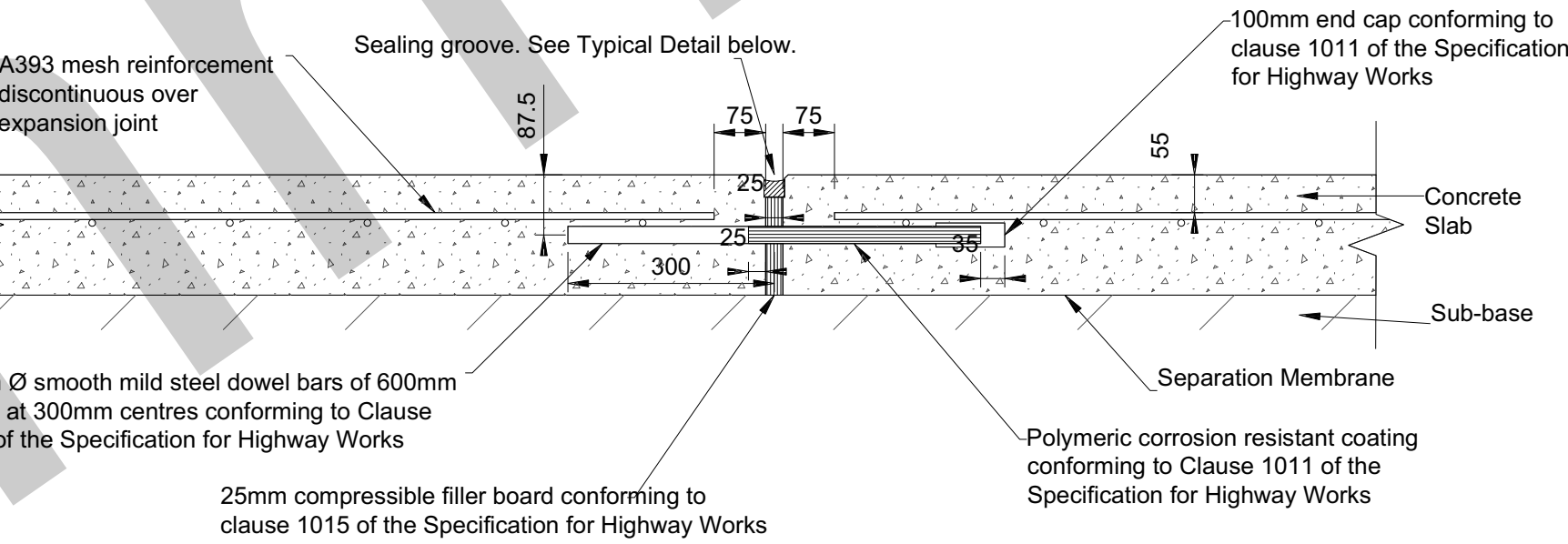
E1.1 Conservation Kerb 150mm Upstand

Scale 1:10



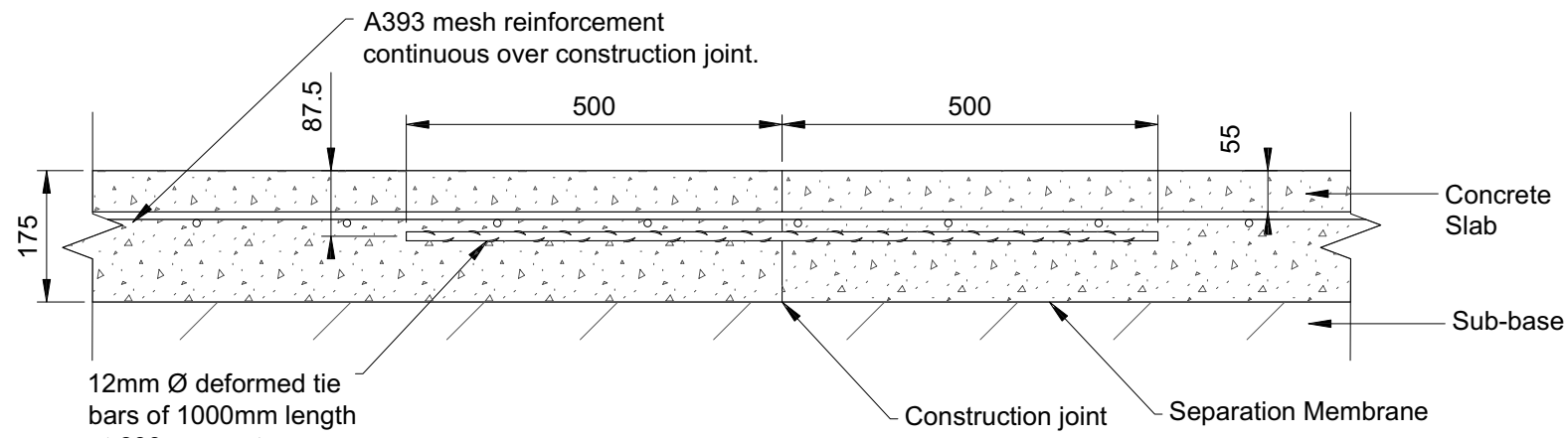
Detail A - Contraction Joint

Scale 1:10



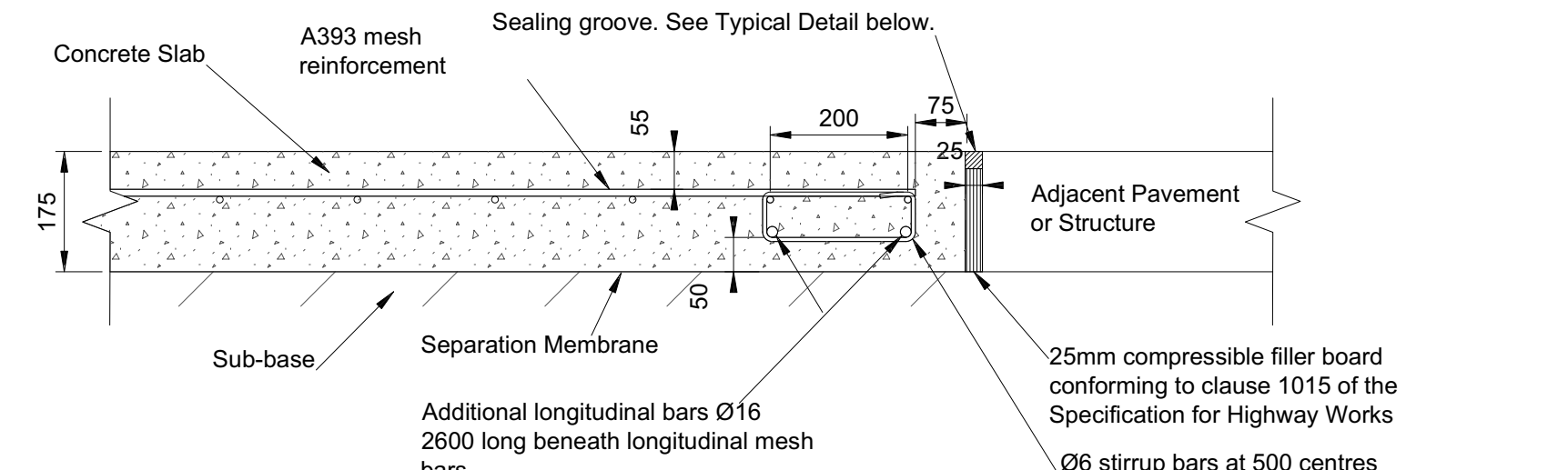
Detail B - Expansion Joint

Scale 1:10



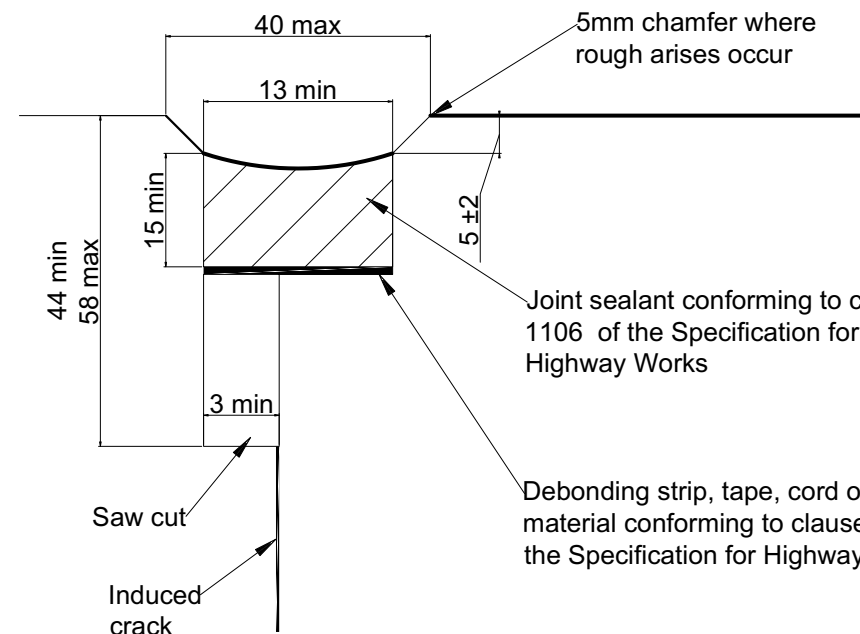
Typical Detail - Mid-Slab Construction Joint

Scale 1:10



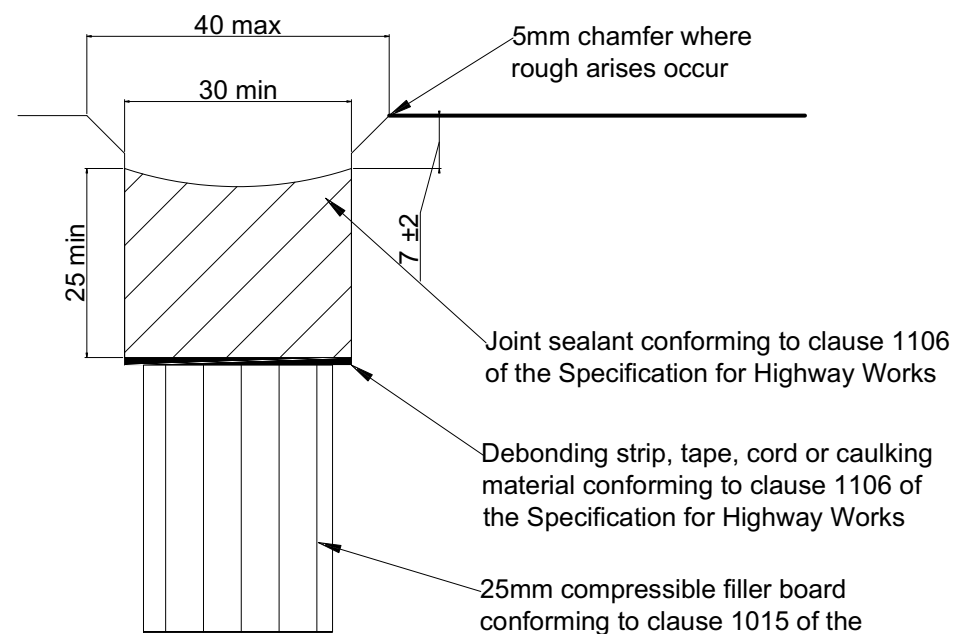
Isolation Joint

Scale 1:10



Typical Detail - Contraction Joint and Sealant

Scale 1:1



Typical Detail - Expansion Joint and Sealant

Scale 1:1

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Issued for Construction				
Rev	Date	By	Chkd	Appd

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Client

GMI Construction Group

Project Title

Citylabs 4.0

Drawing Title

**External Works
Pavement Typical Details
Sheet 1 of 2**

Scale at A1

As Shown

Role

Civils

Suitability

S4 - Suitable for Construction

Arup Job No

267661-00

Name

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