

Carriageway Construction Notes

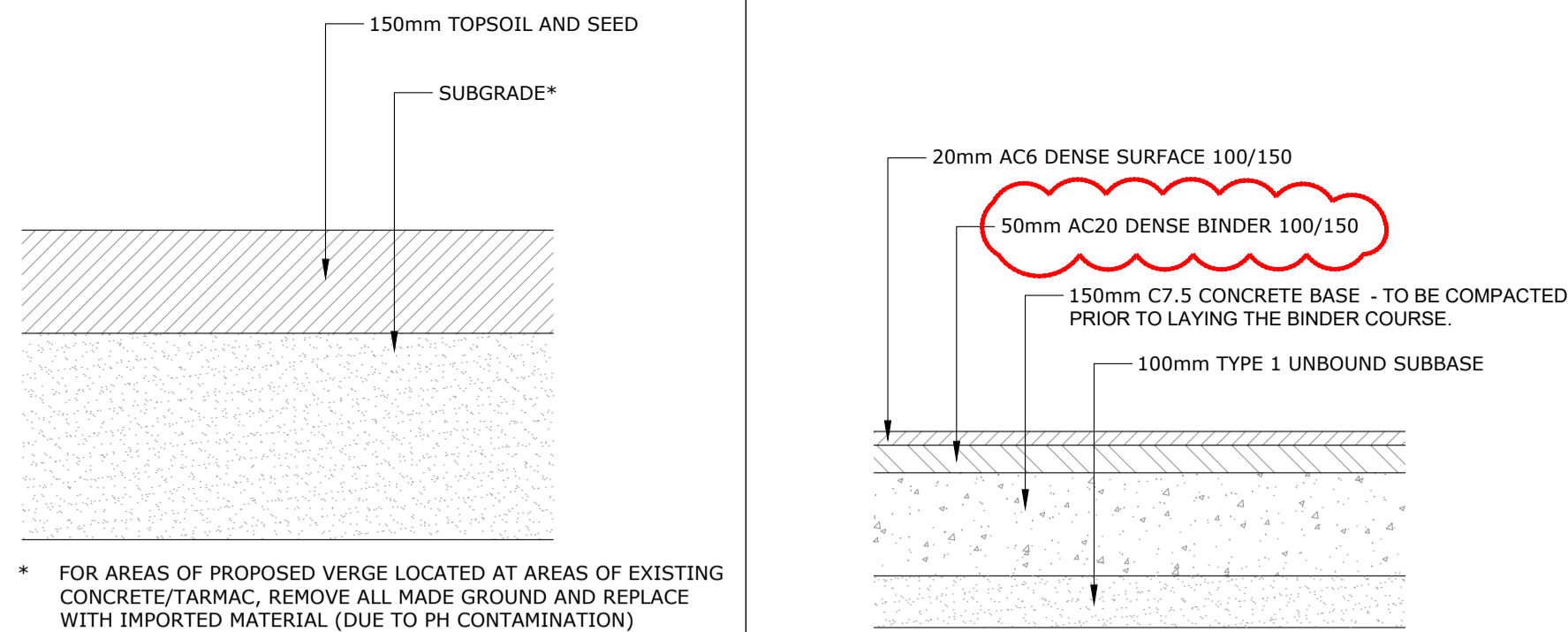
- i) The Contractor should conduct CBR testing at formation level for the capping layer as this may allow a reduction in foundation thickness.
- ii) Bond coats shall be applied between all bound layers of bituminous materials.
- iii) Contractor to undertake road core samples prior to commencement to establish existing construction. If thicker than design, then the higher thickness should be used.
- iv) CBR testing is to be undertaken prior to commencement of works. CBR results of <2.5 require ground stabilisation.
- v) Sub-base OR Sub-base and Capping option layers to be in accordance with the table below.
- vi) All new full depth carriageway surfacing shall have a minimum PSV of 68, unless stated otherwise.

CBR (%)	Subbase on Capping (mm)		Subbase Only (mm)
	Subbase	Capping	
≤2.5	Ground Stabilisation		Ground Stabilisation
2.5 – 5.0	250	420	420
5.0 – 7.5	200	250	265
7.5 – 10.0	165	220	240
10.0 – 12.5	150	200	220
12.5 – 15.0	150	170	210
15.0+	150	150	200

(figures used in table above have been extracted from figures 3.18 and 3.20 of CD225).

* FOR THICKNESSES SEE CARRIAGEWAY CONSTRUCTION NOTES

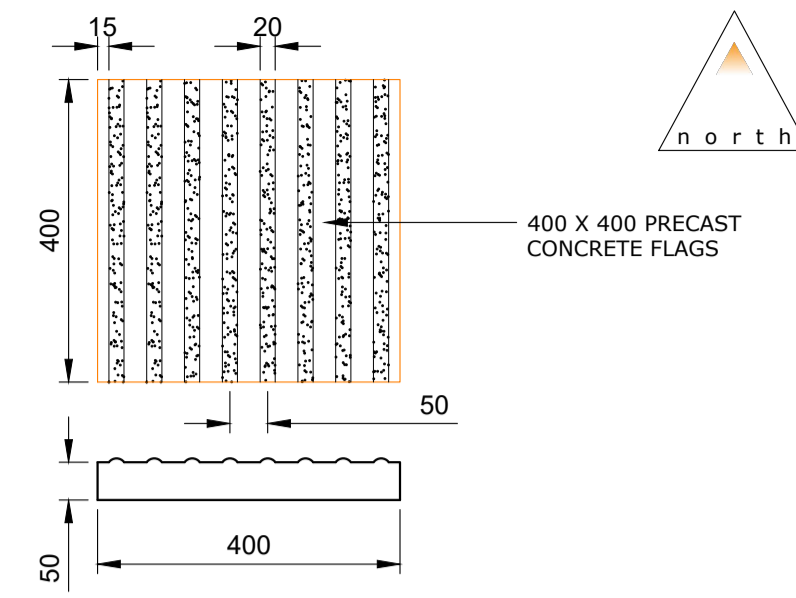
NEW CARRIAGEWAY CONSTRUCTION



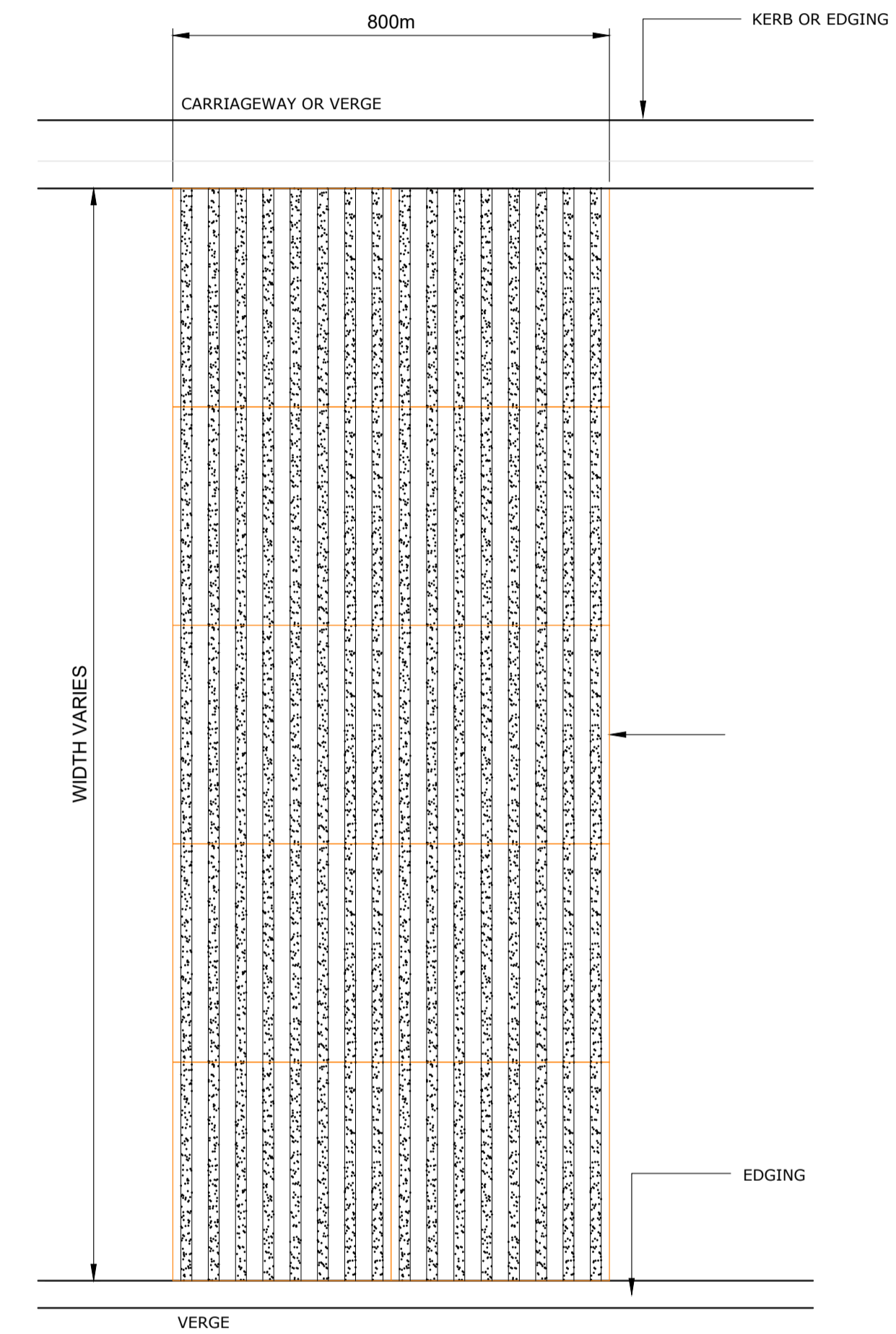
* FOR AREAS OF PROPOSED VERGE LOCATED AT AREAS OF EXISTING CONCRETE/TARMAC, REMOVE ALL MADE GROUND AND REPLACE WITH IMPORTED MATERIAL (DUE TO PH CONTAMINATION)

HIGHWAY VERGE DETAIL

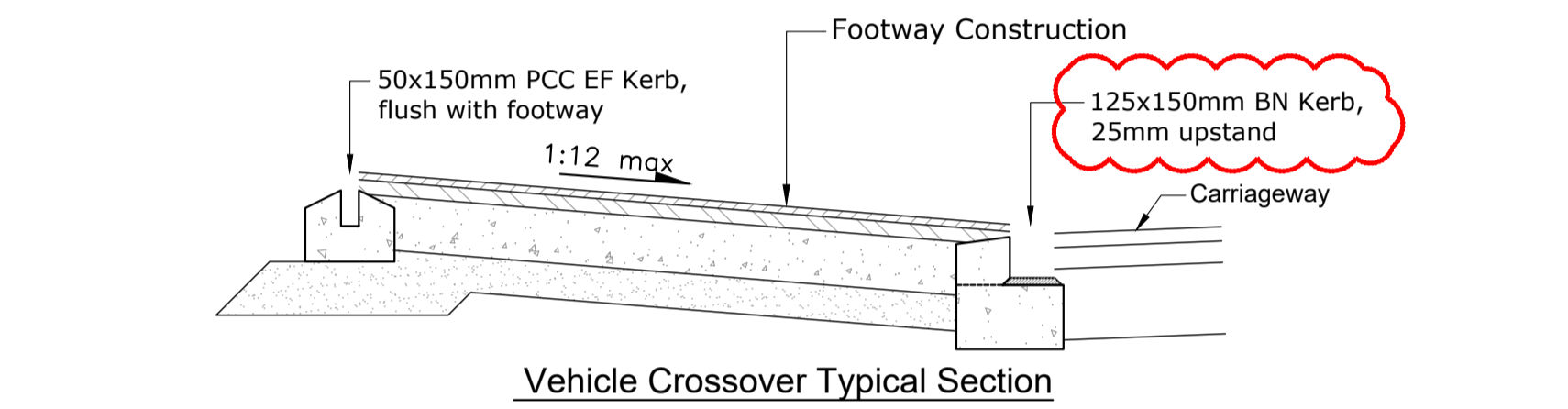
NEW FOOTWAY CONSTRUCTION



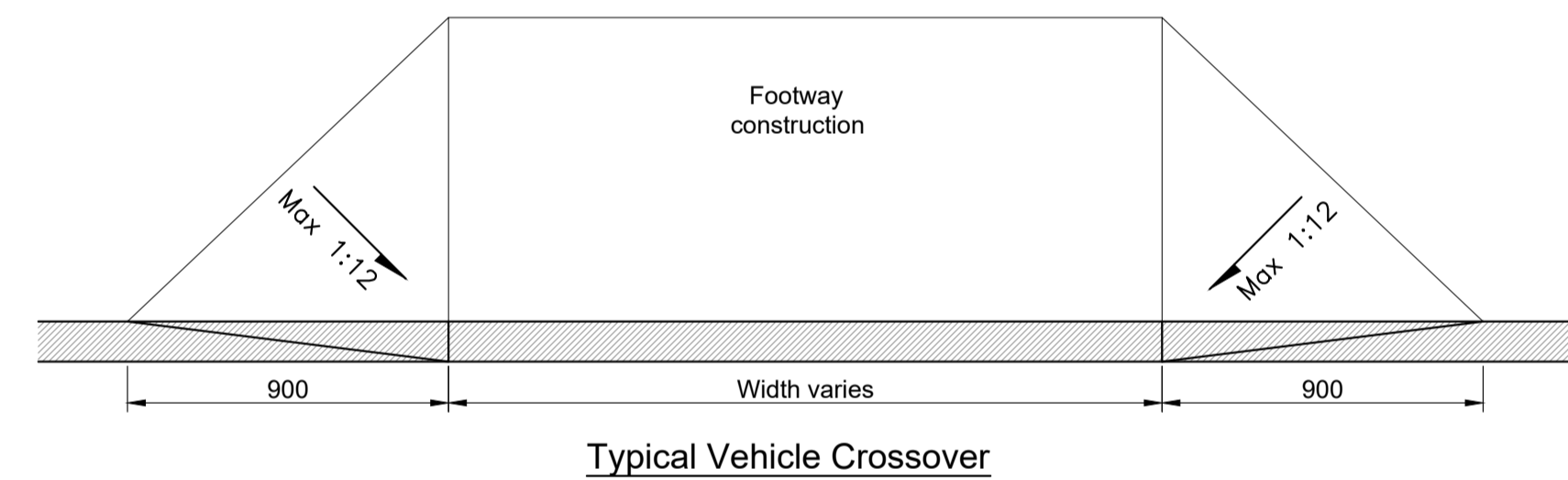
CORDUROY TACTILE PAVING DETAIL



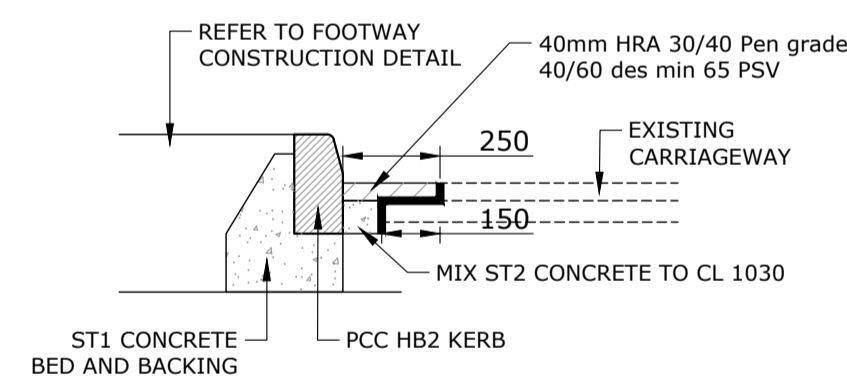
CORDUROY TACTILE PAVING LAYOUT



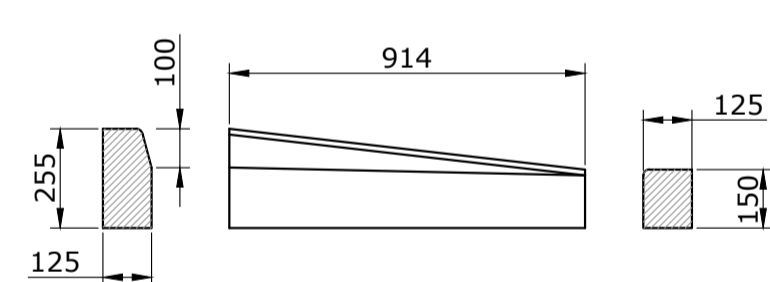
Vehicle Crossover Typical Section



Typical Vehicle Crossover



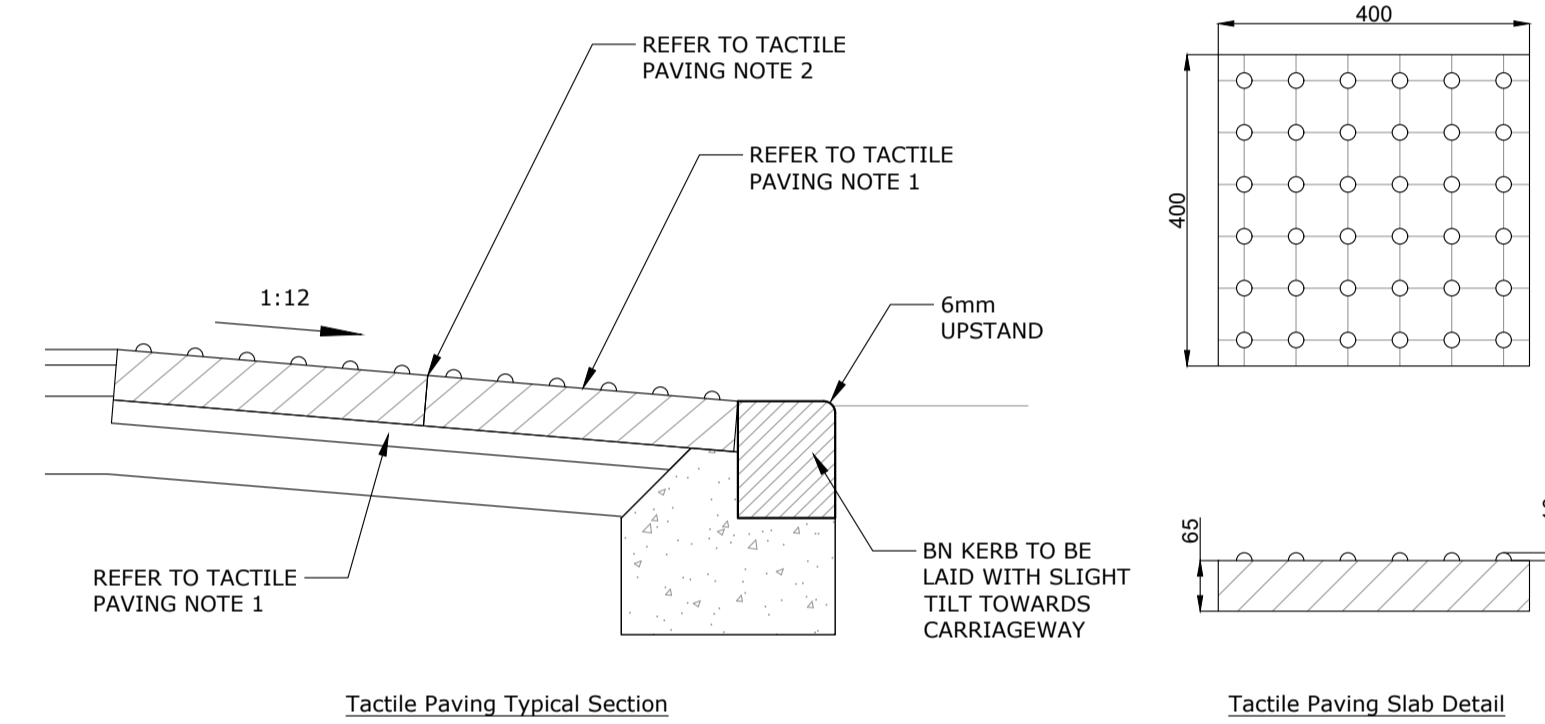
New Kerb Tie In Detail



HB2 to BN Transition Kerb Detail

Tactile Paving Notes

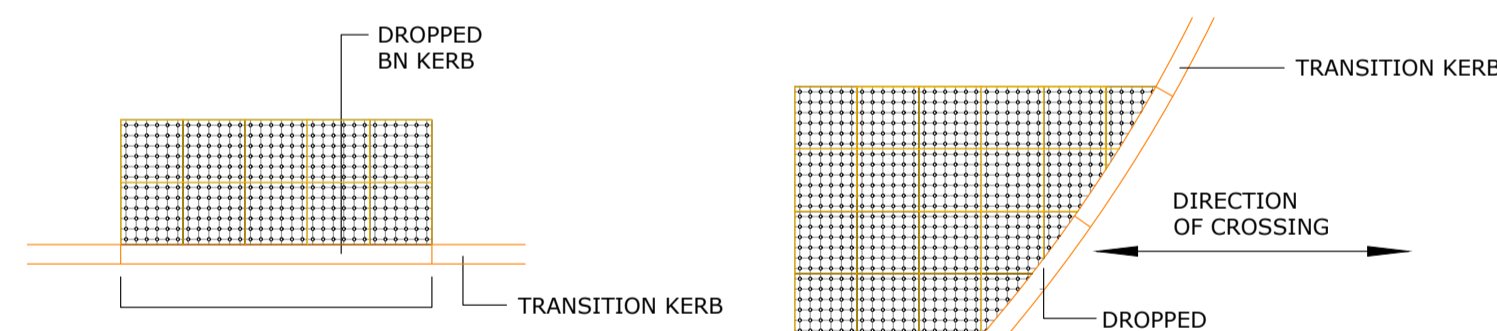
- 1. The tactile paving slabs shall be laid on a full bed of mortar, in the proportions of 3:1 sand:cement. The mortar thickness when compacted shall not be less than 25mm (not less than 40mm for heavy duty paving). The slabs shall be bedded down using a paviours maul.
- 2.
- 3. Joints shall be filled with moist 4:3:1 sand:cement:mortar mix to within 2-3mm of the top surface.
- 4. The tactile paving slabs should be in accordance with BS EN 1339:2003.
- 5. Dropped kerb upstand to be 6mm.
- 6. Exact configuration of each crossing to be in accordance with Department of the Environment, Transport and Regions "Guidance on the Use of Tactile Paving Surfaces" and is to be agreed on site with the engineer.



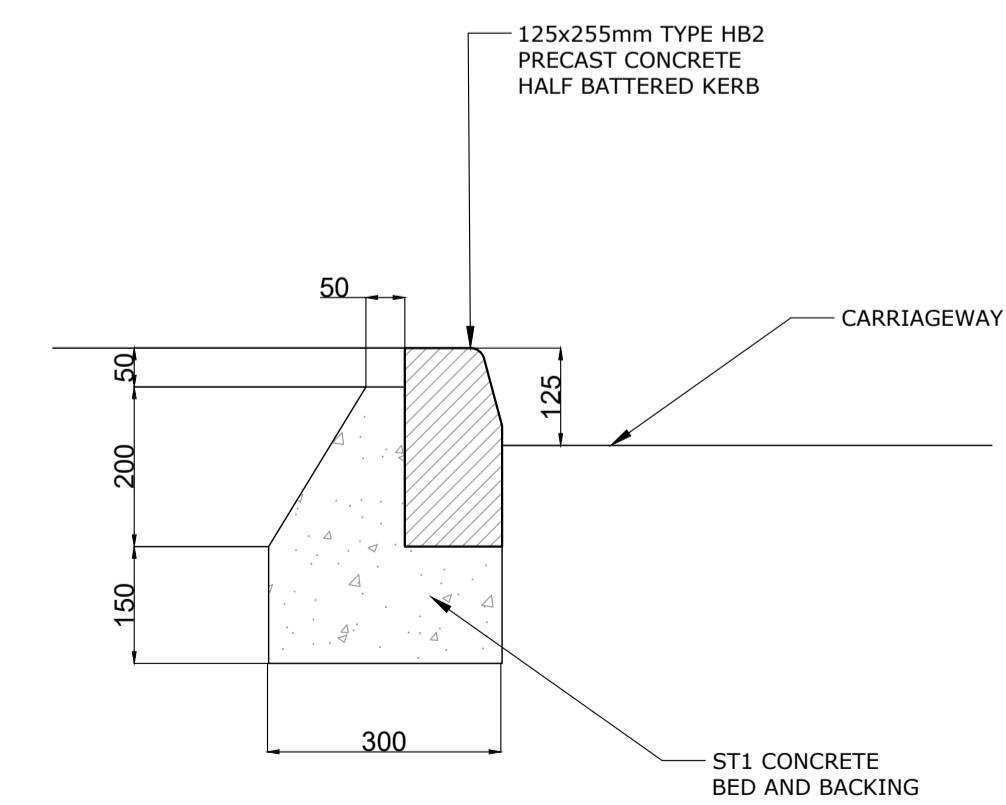
Tactile Paving Typical Section

Tactile Paving Slab Detail

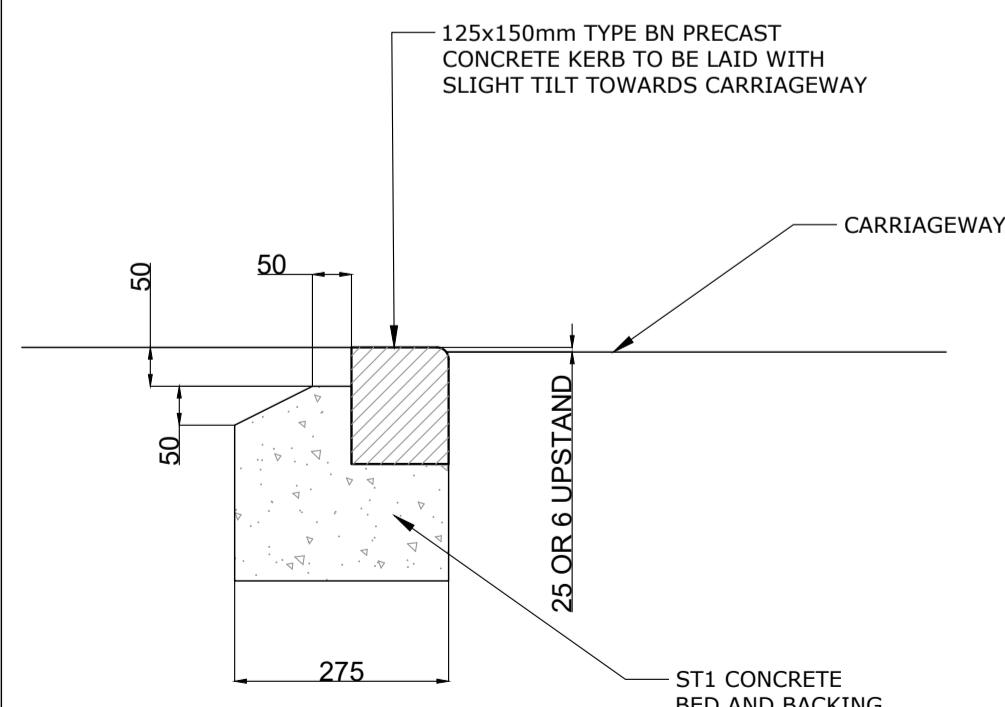
TACTILE PAVING DETAILS



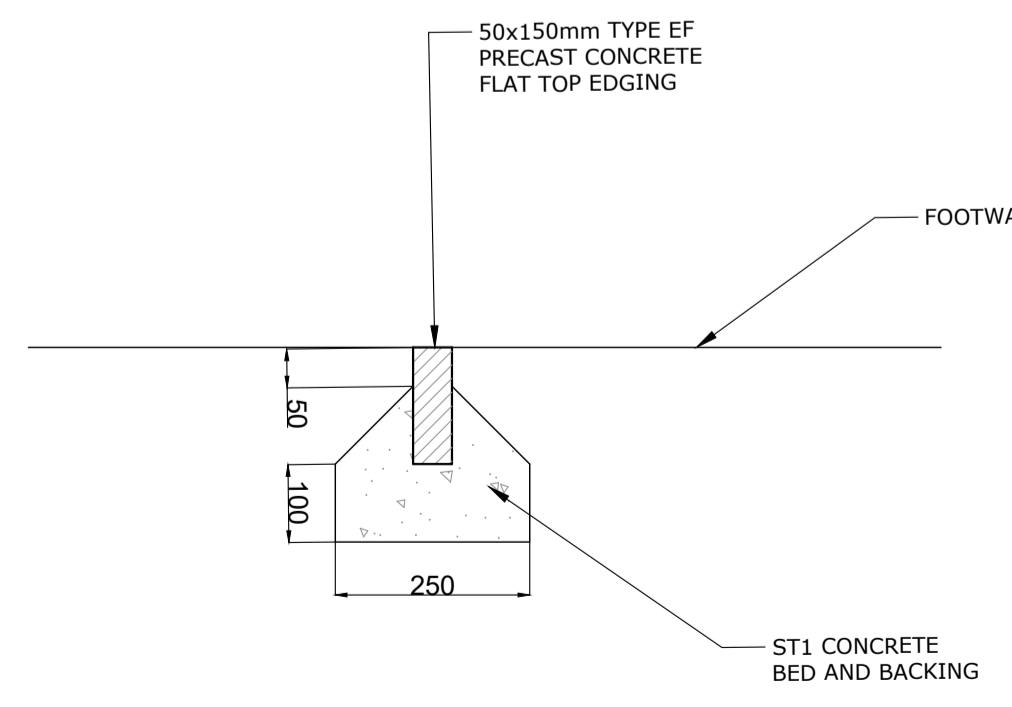
TACTILE PAVING LAYOUT AT UNCONTROLLED CROSSING



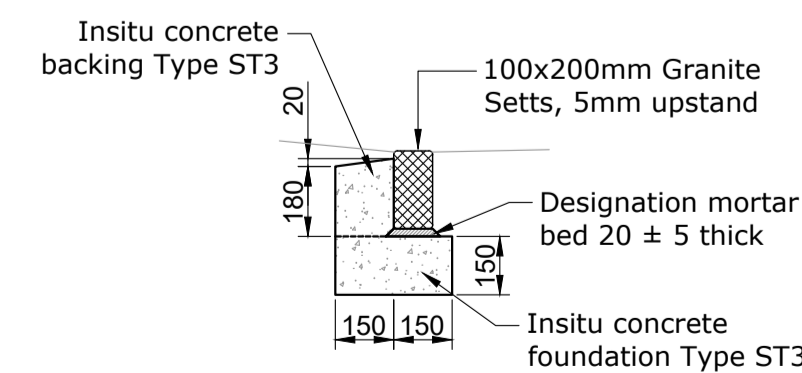
PRECAST CONCRETE KERB DETAIL, TYPE HB2



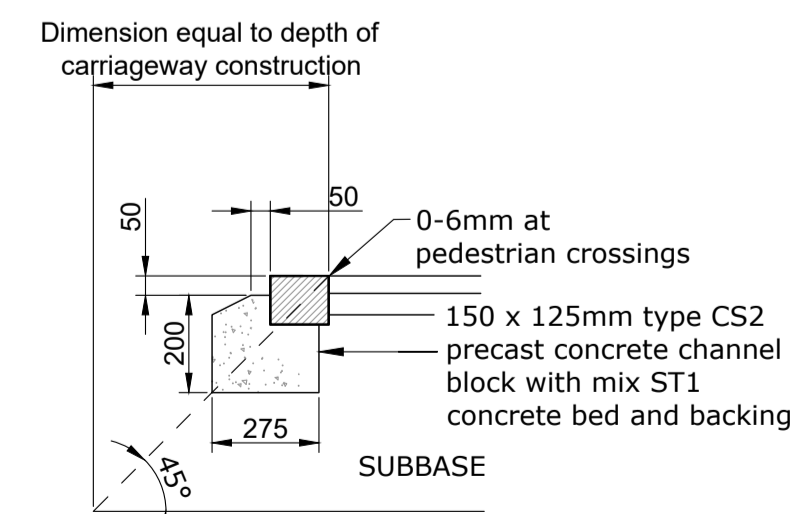
PRECAST CONCRETE KERB DETAIL, TYPE BN



PRECAST CONCRETE KERB DETAIL, TYPE EF



GRANITE SETT KERB, TYPE GS



CS2 KERB DETAIL

Notes

- 1. Do not scale.
- 2. All levels and dimensions are to be checked on site before any work commences. All dimensions are in metres unless stated otherwise.
- 3. Any discrepancies should be reported to the engineer immediately, so that clarification can be sought prior to the commencement of works.
- 4. This drawing should be read in conjunction with all other relevant engineering details, drawings and specification.
- 5. All works to be in accordance with the Specification for Highway Works.
- 6. All works are to be carried out in accordance with Oxfordshire County Council Residential Road Design Guide.
- 7. On completion the contractor is required to carry out an as-built survey of the completed highway works.

C	Updated in accordance with OCC comments	KL	RS	MM	25/07/2022
B	Updated in accordance with OCC comments	RW	RS	RM	10/06/2022
A	First Issue	KL	RS	RM	11/03/2022
Revision Notes:		Dm	Chk	App	Date

Drawing Status:

**FOR APPROVAL
NOT FOR CONSTRUCTION**



84 North Street Guildford Surrey GU1 4AU
01483 531300

9 Greyfriars Road Reading Berkshire RG1 1NU
0118 206 2930

Golden Cross House 8 Duncannon Street London WC2N 4JF
020 7031 8141

www.motion.co.uk

Client:
Great Lakes UK Ltd

Project:
Great Wolf Lodge, Bicester

Title:
S278 Highways Works
Site Access / A4095 / Green Lane Highway Improvements
Standard Details Sheet 1

Scale: 1:250 Size: A1 Project No: 2109087

Drawing:
2109087-S278-0-0801

Revision:
C