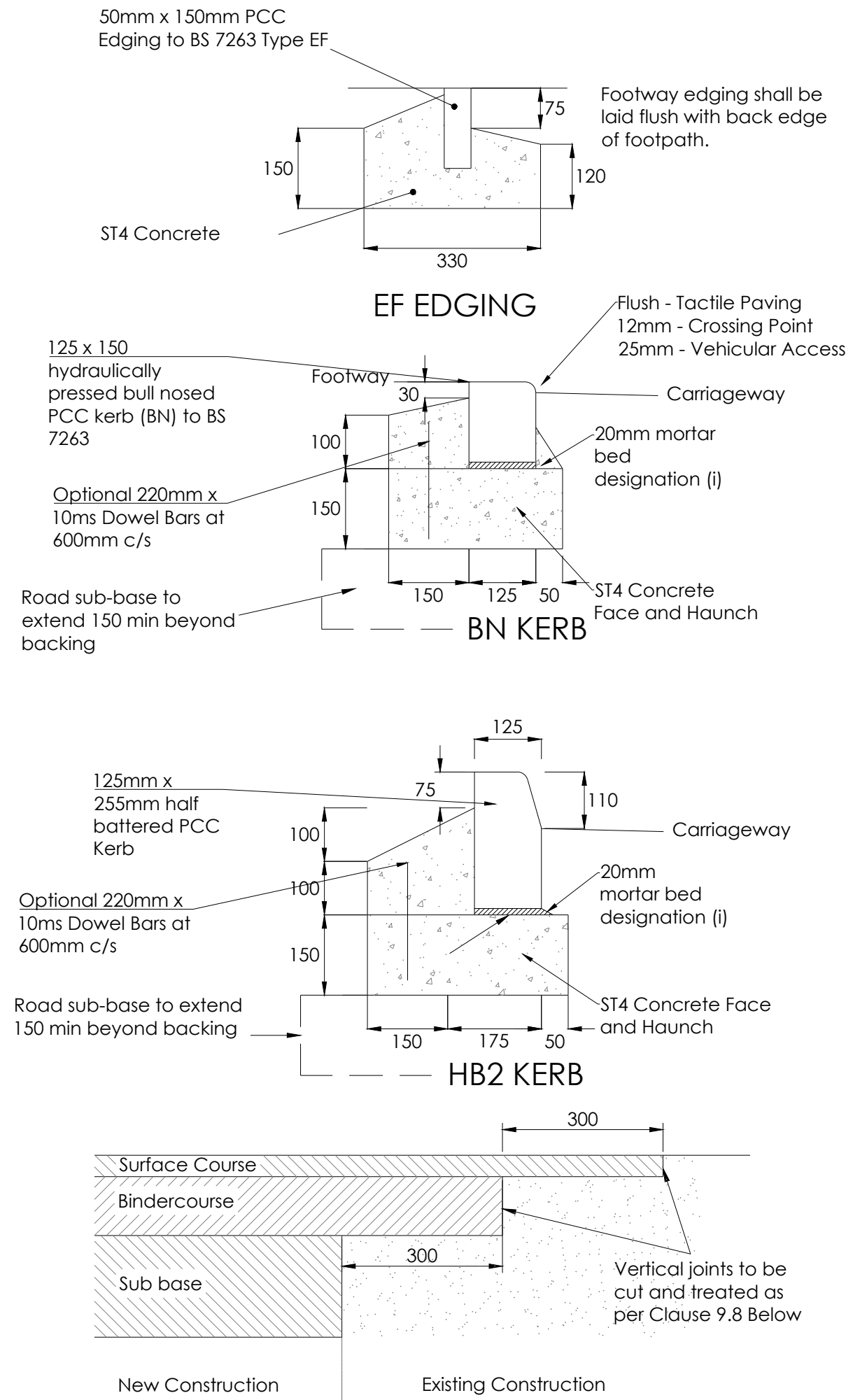




CARRIAGEWAY TIE IN NEW TO EXISTING AT EXISTING LEVEL

9.8 JOINTS IN BITUMINOUS CONSTRUCTION

All joints shall be made in accordance with BS 594987 Clause 6.8 and in particular the following:-

When possible all joints shall be offset by at least 300mm from parallel joints in the layer beneath.

All longitudinal and transverse joints in surface courses shall be made flush.

Before the adjacent width is laid, surface course joints shall be made by:

a) cutting back the edge to a vertical face that exposes the full thickness of the layer; and

b) discarding all loosened material and painting or spraying the vertical face completely with a thin uniform coating of hot applied 40/60 or 70/100 paving grade bitumen, or cold applied thixotropic bituminous emulsion of similar grade or polymer modified bitumen emulsion bond coat.

Surface course joints made in this way shall be:-

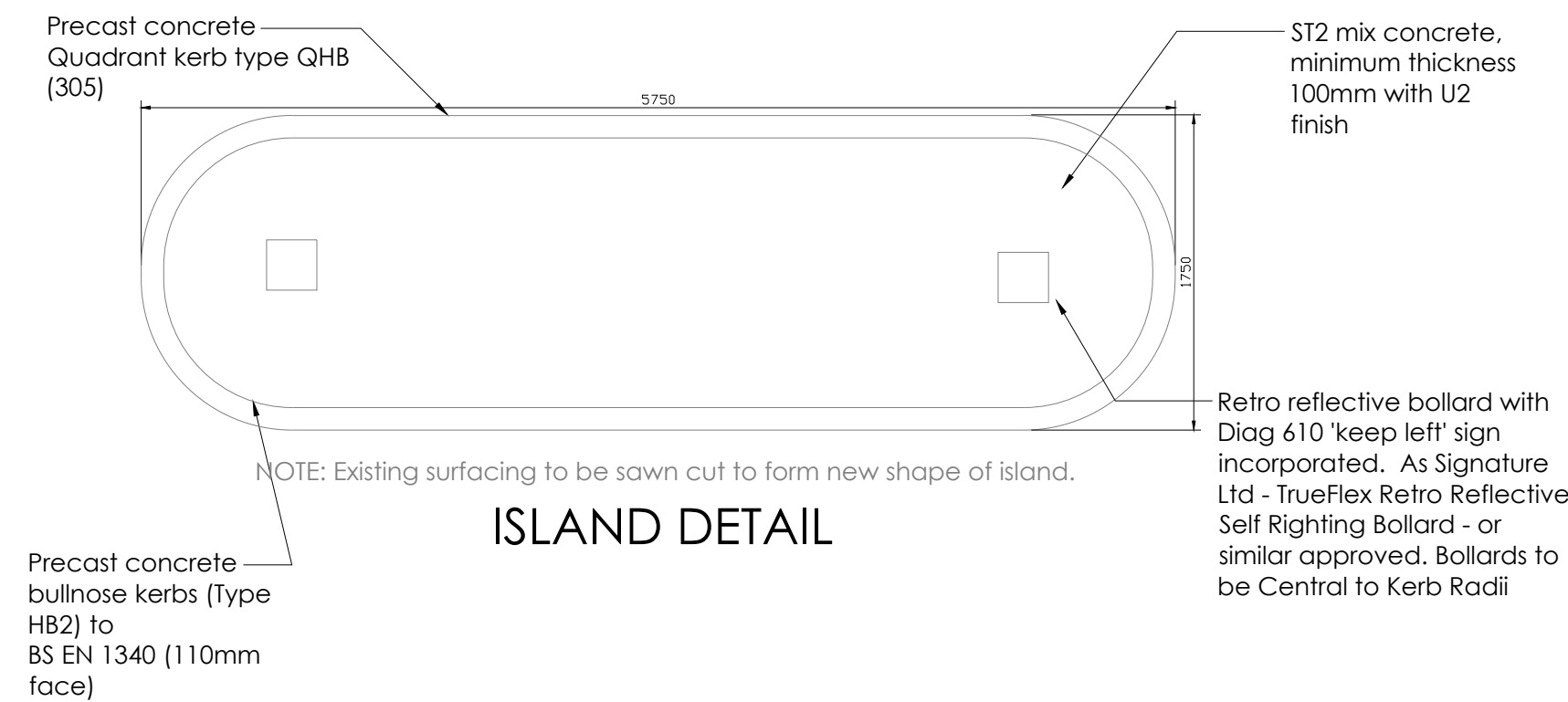
- All transverse joints that have not been formed to a specific profile;
- Joints where the asphalt abuts an existing surface; and
- All longitudinal joint.

NOTE 1: Longitudinal joints in surface course may also be formed by use of an edge compactor creating a chamfered edge during the laying process. Cutting back of the longitudinal joint is not necessary in this instance.

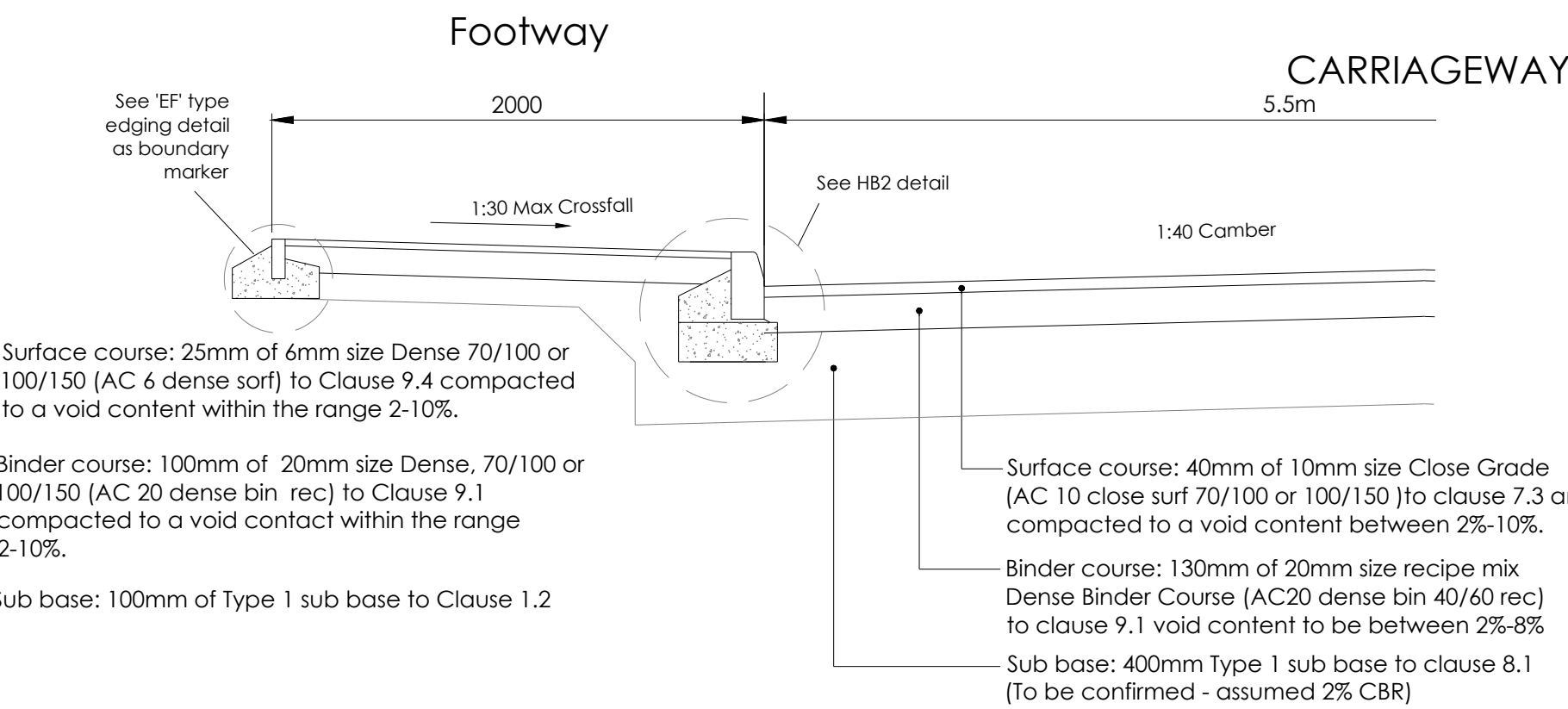
NOTE 2: Surplus bitumen on the surface after the joint is made should be avoided. The surface of the finished joint should not be painted because of the risk of skidding and slipping.

Joints in the binder course shall be treated in such a way as to enhance compaction and bonding.

NOTE: For example by use of edge compactors fitted to rollers.



ISLAND DETAIL

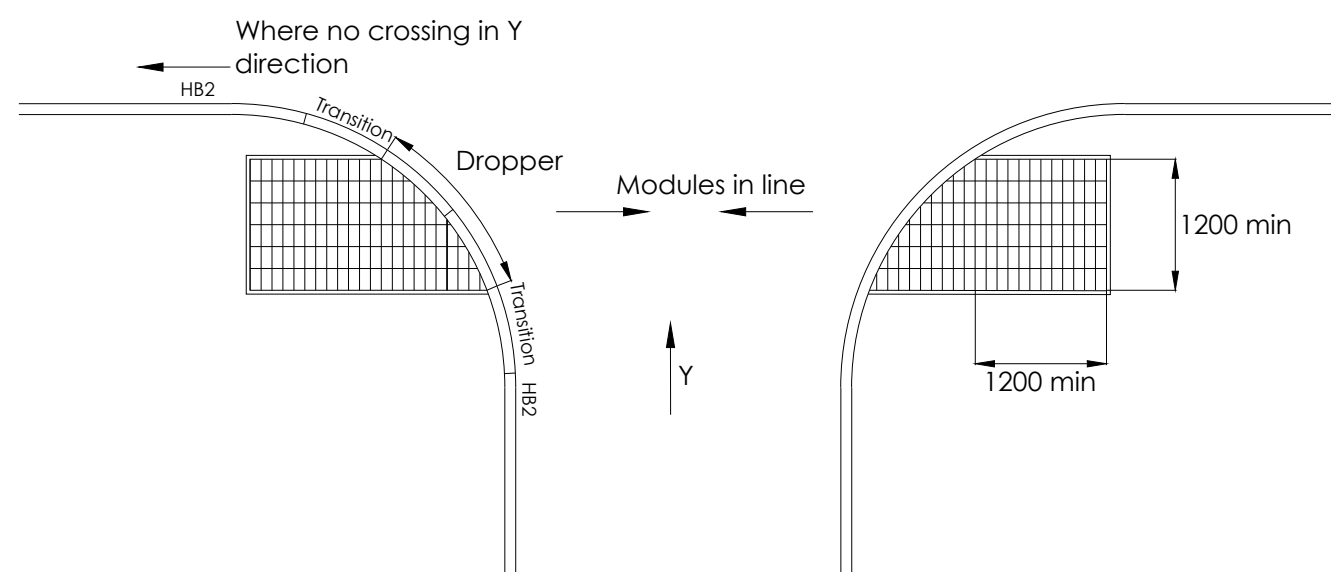


BLACKTOP ESTATE ROAD CONSTRUCTION

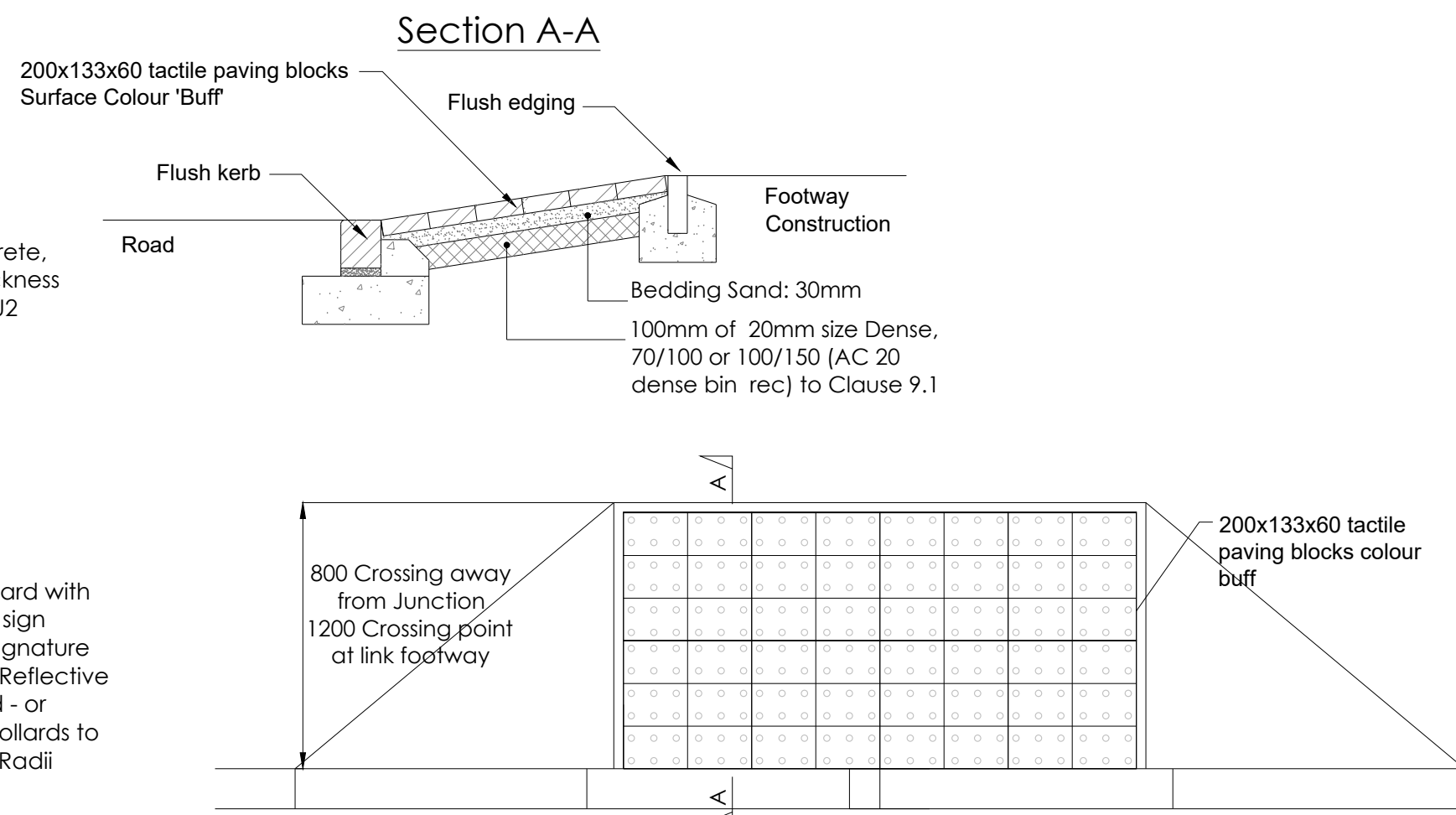
Non Pervious Road Construction Chart				
Sub Grade ^{NOTE 1}	Sub Base (mm)	Surfacing (mm)		Total Thickness Required (mm)
CBR %	Sub Base (mm)	Binder Course Notes 4	Surface Course	Total Thickness Required (mm)
Below 1.5% & Soft Spots	Not Suitable	130	40	Not suitable
1.5	Not Suitable	130	40	Not suitable
2.0	400	130	40	570 ^{NOTE 5}
3.0	310	130	40	480 ^{NOTE 5}
4.0 ^{NOTE 6}	300	130	40	470 ^{NOTE 5}
5.0 ^{NOTE 6}	300	130	40	470 ^{NOTE 5}
6 - 15% ^{NOTE 6}	300	130	40	470 ^{NOTE 5}
Above 15% ^{NOTE 6}	300	130	40	470 ^{NOTE 5}

Notes: All materials to be in compliance with the requirements of Lincolnshire County Council - Development Road and Sustainable Drainage specification and Construction.

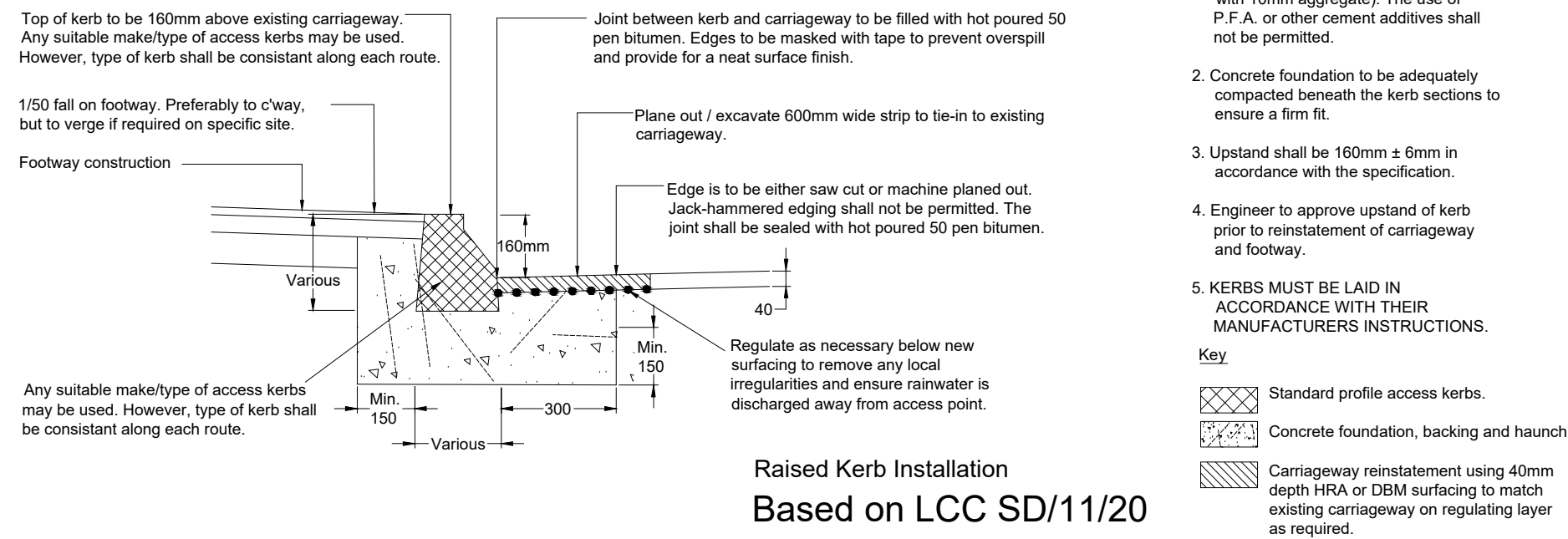
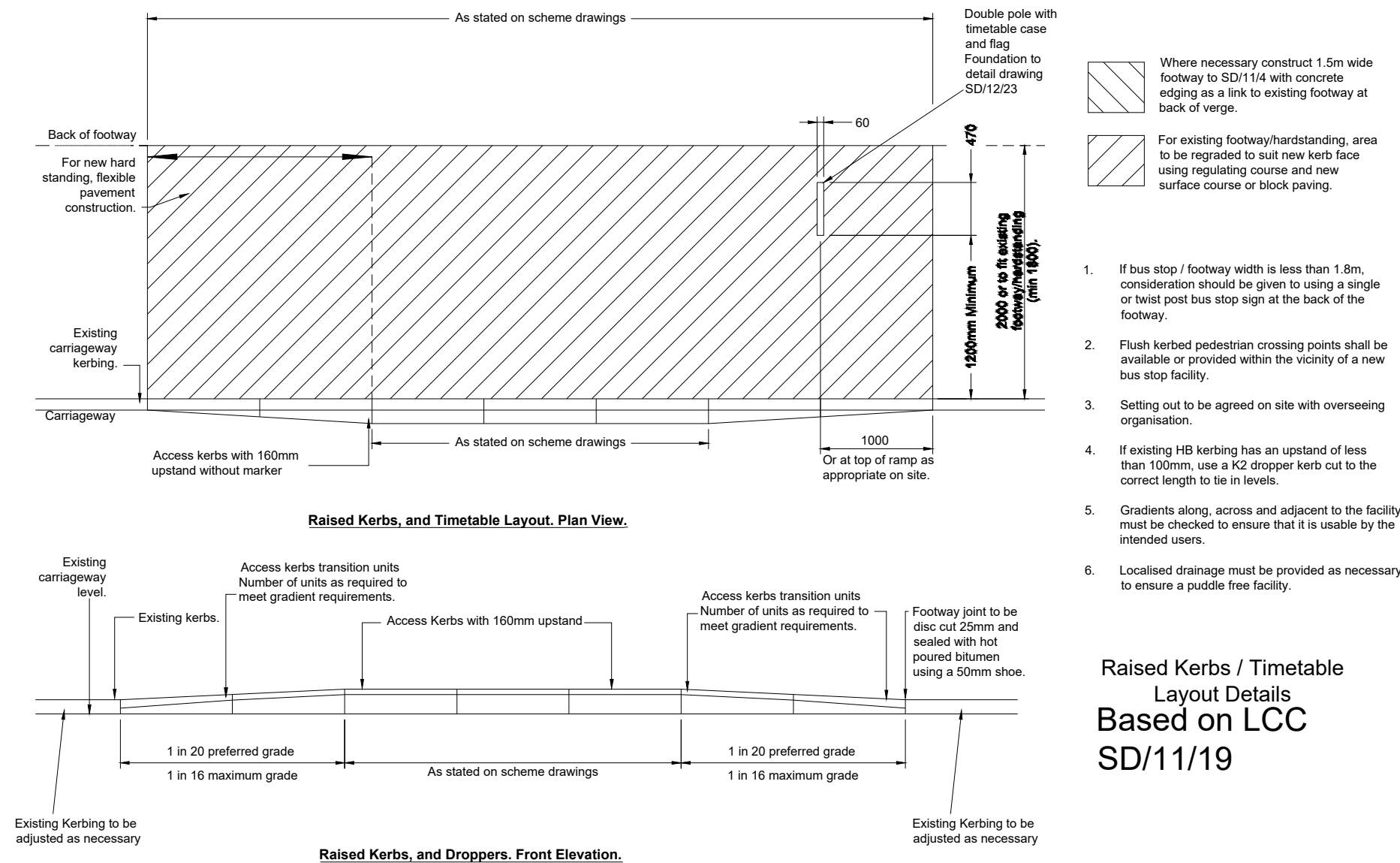
CBR results indicate a CBR of 3% to be used.



Typical Plan Detail of Uncontrolled Crossing Point at Junction



TYPICAL PLAN



Raised Kerbs / Timetable Layout Details Based on LCC SD/11/19

Notes

- Foundation, bed and haunch to consist of ST3 concrete (i.e. no cement replacement, O.P.C. only, 25mm slump with 10mm aggregate). The use of P.F.A. or other cement additives shall not be permitted.
- Concrete foundation to be adequately compacted beneath the kerb sections to ensure a firm fit.
- Upstand shall be 160mm ± 6mm in accordance with the specification.
- Engineer to approve upstand of kerb prior to reinstatement of carriageway and footway.
- KERBS MUST BE LAID IN ACCORDANCE WITH THEIR MANUFACTURERS INSTRUCTIONS.**

Key

- Standard profile access kerbs.
- Concrete foundation, backing and haunch.
- Carriageway reinstatement using 40mm depth HRA or DBM surfacing to match existing carriageway on regulating layer as required.

- "The specification in all respects shall be in accordance with the current Lincolnshire Development Road and Sustainable Drainage Design Guide" and "Development Road and Sustainable Drainage Specification and Construction" publications in force in the county at the time of construction.
- The minimum longitudinal fall for highways, without channel blocks shall be 1 in 150, and with channel blocks 1 in 250 (see Clause 10.11).
- In addition, ensure that the first section of any side road falls away from the road to which it is connecting. If general topography requires it to rise, the change of direction should take place after the first set of gullies. This is to ensure a false channel with associated drainage problems is not created in the bedmouth of junctions.
- "General deterioration of the existing highway/footway/verges created through construction of the new Section 38 Development will be reinstated to the current Development Road Specification of the developers' own cost at the agreement of the inspecting Highway and Flood Authority Officer".
- "No Private surface water shall discharge onto the adoptable highway"
- "No private, structural features shall overhang the adoptable highway".
- "No private retaining walls exceeding 1.37m shall be within 3.66m of the highway boundary".

A Refuge Island Detail removed 08.03.22

REV	DESCRIPTION	DATE
	SCALE: 1:500	
	DATE: November 2020	
	DRAWN: RAH	

Section 278 Adoptable Highway Details

PROJECT: High Road, Weston

DRG. NO: 1003-278-02 Rev A

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