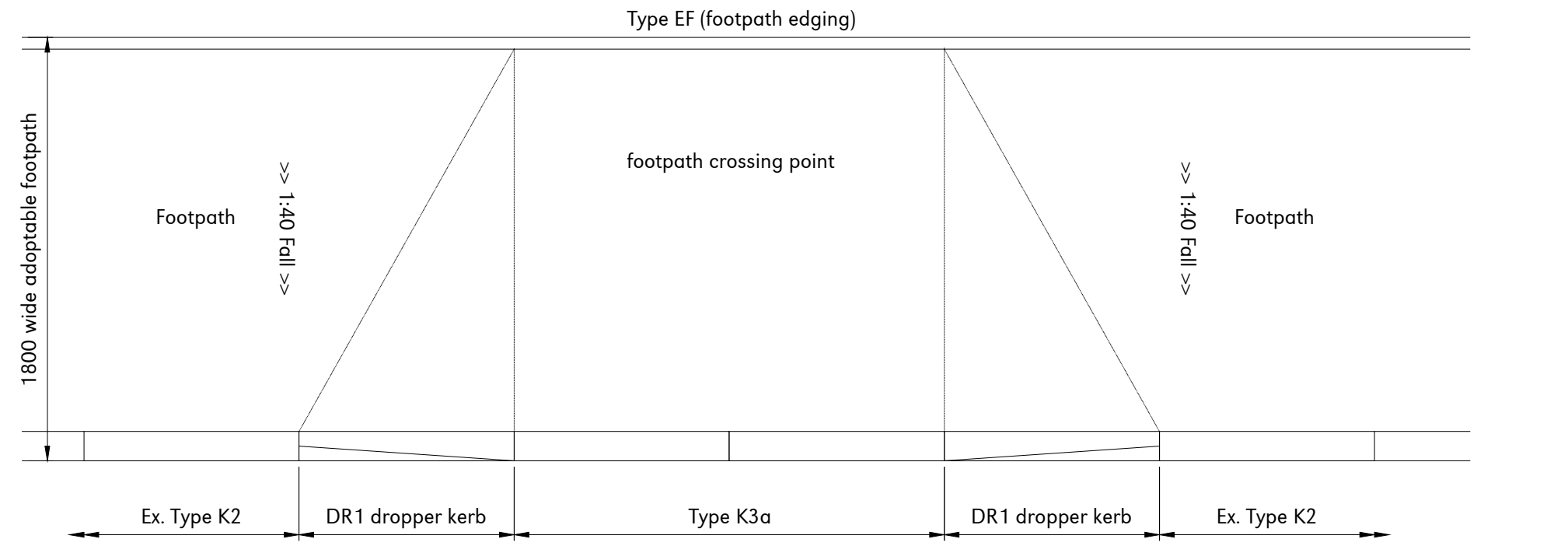


HIGHWAY SURFACING KEY & SPECIFICATION TABLE					
	Layer	Thickness (mm)	Material Description	Specification	
Carriageway	Surface Course	1 50	HRA Surface Course (clause 910)	PD6691 Annex C BS EN 13108-4 SCC Table 9.2	
	Binder Course	2 60	HRA Binder Course (clause 905)	PD6691 Annex B BS EN 13108-4 SCC Table 9.2	
	Base	3 100	32mm Dense base course with 40/60 pen bitumen. AC 32 dense base 40/60 des	BS 594987 to SHW CL 903	
	Sub-Base	4	CBR		Permitted Type 1 well compacted unbound granular sub-base aggregate.
			< 2.5%	2 - 5%	
Capping	5	TBC TBC N/A	Class 6F1 or 6F2 capping material.	MCHW 613 - Table 6/1 & 6/4	
General Fill	6	As required to raise level to sub-base or capping layer as appropriate	Class 1B or 1C general fill material	MCHW 613 - Table 6/1 & 6/4	
Footway	Surface Course	7 2 x 25 (50)	2No. Layered Courses of HRA 15/10 Type F Surf 100/150 Pen bitumen	PD 6691 Clause C.2.5.1.1.	
	Sub-Base	8 100 (150 in driveway access areas)	Permitted Type 1 sub-base aggregate. Formation to be treated with approved weed killer prior to laying sub-base.	SHW CL 803 BS EN 13108-5	
	Concrete	9	See kerb details for thickness	Concrete bed and haunch Class ST2	
<b>Notes</b> <ul style="list-style-type: none"> <li>Specification for Highway Works (SHW) Clause (CI)</li> <li>Bond Coats conforming to BS 594987 shall be applied between all bound layers of the carriageway at rates of spread specified in BS594987 Table 2</li> <li>The SMA surface course shall achieve an initial texture depth of 0.8 to 1.6mm</li> <li>Aggregate Abrasion Value (AAV) should be no greater than 14 for surface course</li> <li>Washed 1 to 3mm crushed rock shall be immediately applied to the hot SMA surface</li> <li>If Imprinted Thermoplastics are used, approval from overseeing authority's laboratory is to be gained prior to installation. The material is to be installed to the manufacturers specifications</li> </ul>					

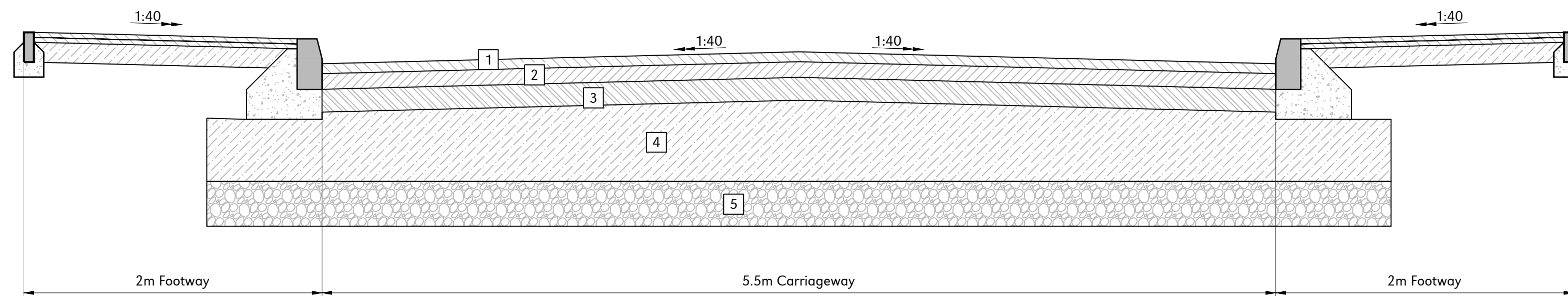
Foundation CBR Table				
CBR (%)	Subgrade Surface Modulus	Type 1 (mm) - Clause 803, 804, 806, 807	Sub-Base Depth (mm)	Capping Depth (mm)
		(Sub-Base Only) (Figure 3.18)	(Sub-Base and Capping Layer) (Figure 3.20)	
2.0	27.427	Ground Stabilisation Required - Seek Engineer Advice		
2.5	31.637	410	240	410
3.0	35.553	370	230	375
4.0	42.740	315	220	320
5.0	49.301	270	200	250
6.0	55.403	260	180	240
7.0	61.147	250	165	225
8.0	66.602	240	160	215
9.0	71.817	230	150	205
10.0	76.827	225	150	195
11.0	81.659	220	150	185
12.0	86.335	215	150	175

(See DMRB CD 225 Revision 1) Surface Modulus: Equation 2.4:  $E=17.6(CBR)^{0.64}$



Footpath Crossing Point - Plan  
Scale 1:25

Footpath Crossing Point - Front Elevation  
Scale 1:25



Typical Carriageway Cross Section  
Scale 1:20

**DRAWING TO BE READ IN CONJUNCTION WITH SUFFOLK COUNTY COUNCIL STANDARD DETAILS**

- Kerbs as per 10/101B.
- Footway Construction as per 10/103B
- Tactile Paving as per 10/106B
- Trench and Bedding Details as per 7/101B
- Catchpits Detail as per 7/103B
- Access to Chambers as per 7/107
- Ramp Detail for Shared Surface road as per 10/105B

Note:

- All dimensions noted are in metres unless stated otherwise.
- Do not scale from this drawing, if dimensions are not clear ask.
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- Plandescil Ltd to be immediately notified of any suspected omissions or discrepancies.
- This drawing is to be read in conjunction with all other relevant documents relating to the project.
- All levels relate Plandescil Topographical Survey drawings 22536/001, 002 & 003.
- All proprietary materials to be fixed strictly in accordance with manufacturer's recommendations using materials approved by the manufacturer.
- Inspections by the Local Authority, shall be arranged by the contractor to suit their program.
- Until technical approval has been obtained from the relevant authorities it should be understood that all drawings issued are preliminary and not for construction. Should the contractor start site work prior to approval being given, it is entirely at their own risk.
- All existing drainage and highway tie-in details are to be confirmed on site prior to the commencement of the proposed works.
- Road Markings to be in accordance with TSRGD 2016, material to be Superimposed Thermoplastic to BS EN 1871 and BS EN 1436.
- Specifications for the roadway construction is subject to CBR test details. These tests will need to be carried out prior to any road works starting.
- Excavations close to trees/hedges to be carried out in accordance with NJUG Guidelines Volume 4. In particular no roots over 25mm dia should be cut without consulting an arboriculturalist and any smaller roots that are damaged should be cut cleanly with sharp secateurs.
- Any tree pruning should be carried out in accordance with BS 3998:2010 Tree Recommendations.

Works Requiring Inspection By The Highways Inspector

The Contractor shall give advance notice to Suffolk County Council to allow the Highways Inspector proper inspection and checking of the works at the following designated stages:

- Prior to the start of works a photographic record of the existing highway condition adjacent to the development is to be agreed and recorded.
- Start of the works
- Before backfilling any trenches under new highway
- Completion of formation
- Completion of sub-base
- Arrival and planting of trees
- Laying of base
- Laying of binder course
- Laying of surface course
- All damage to existing highway resulting from construction traffic is to be repaired before the Inspector will recommend works for interim or adoption

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**PRELIMINARY**

Rev	Date	Rev By	Chkd	Description
0	08-02-24	-	MJH	First Issue

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civil / structural / environmental / surveying

Client

**Herin Property Investments LLL**

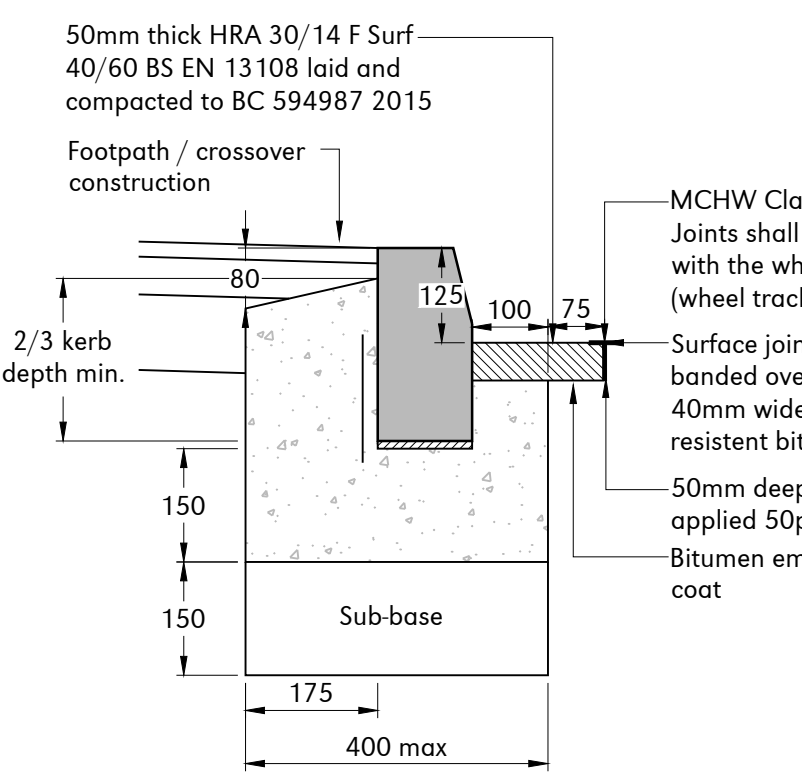
Project

**Willisham Hall Barns**  
**Willisham Hall Road**  
**Willisham, Ipswich, IP8 4SL**

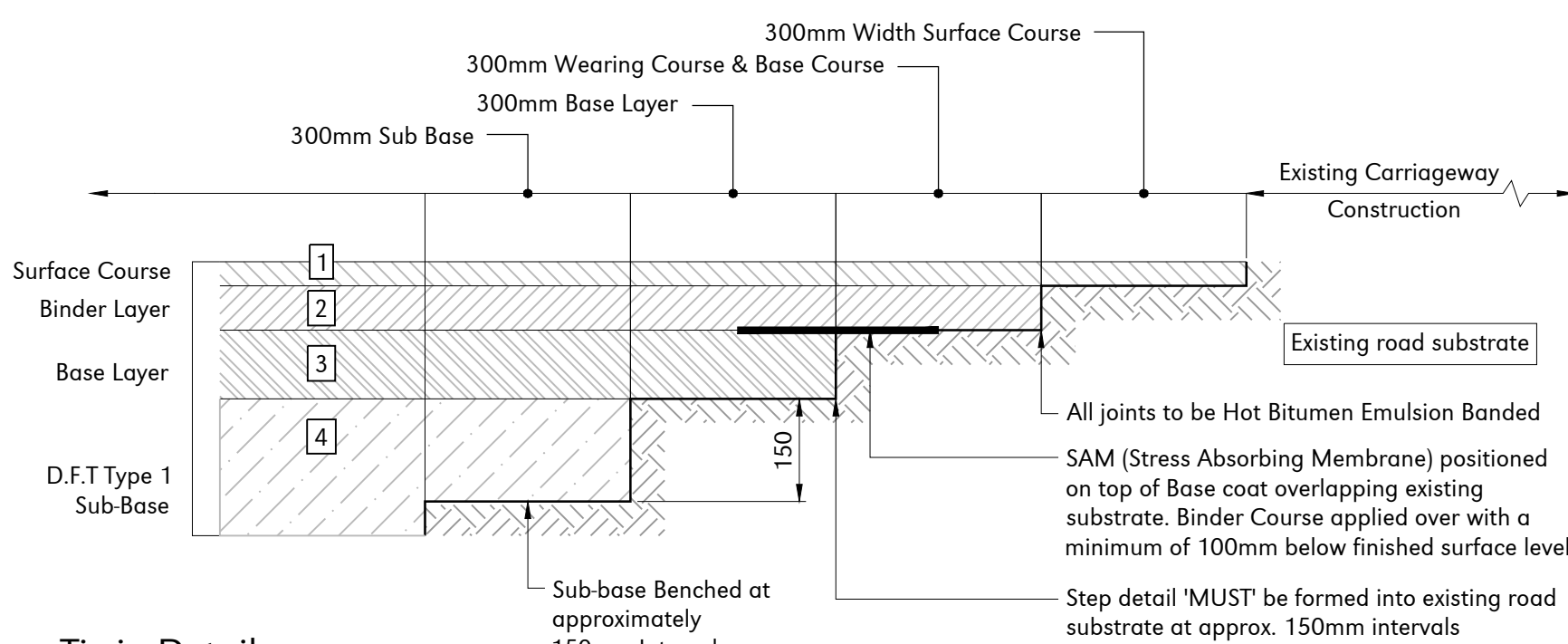
Drawing Title

**Entrance Details**

Scale	U.N.O.	Date	Drawn By
As Noted (A0)		February 2024	CND
Drawing No.	29478/012		Rev
			0

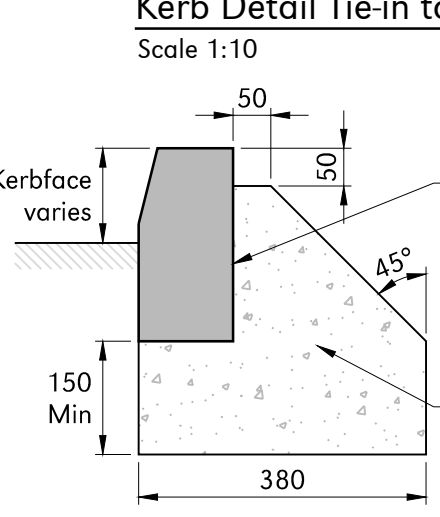


Kerb Detail Tie-in to Existing Carriageway  
Scale 1:10

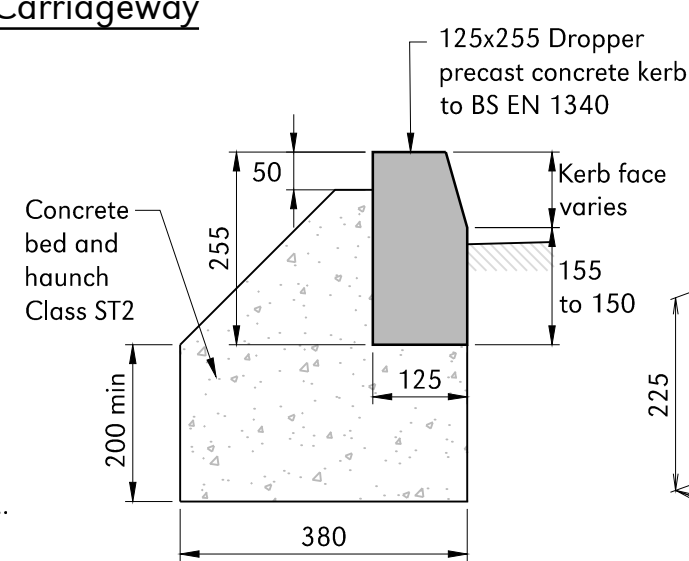


Tie-in Detail  
Scale 1:10

Note: SAM (Stress Absorbing Membrane) to be either: Glasgrid Mesh or Colas preformed SAM or TOK Paving Tape

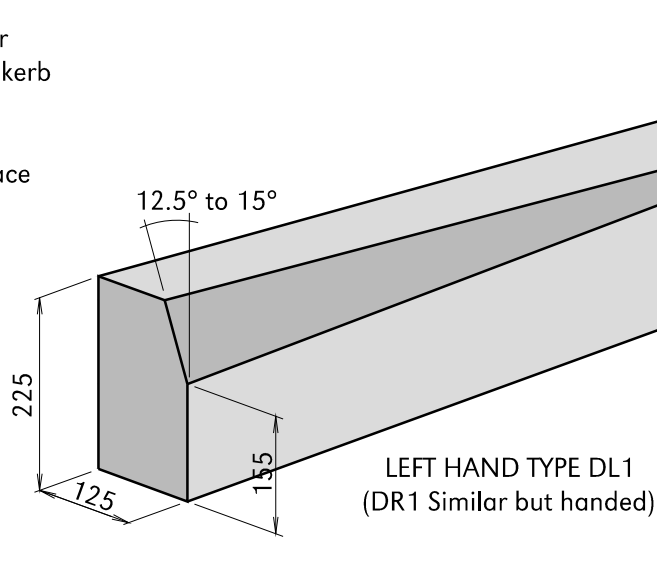


Half Battered Kerb (HB2)  
Scale 1:10

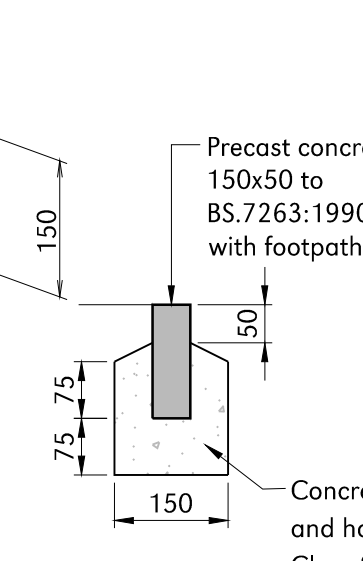


Dropper Kerb (DL1)  
Scale 1:10

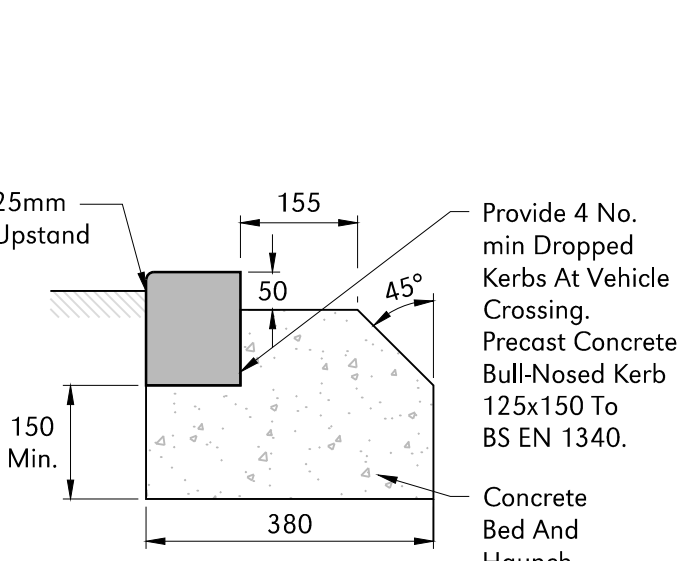
DR1 Similar but handed (For use with kerb types HB2 and BN)



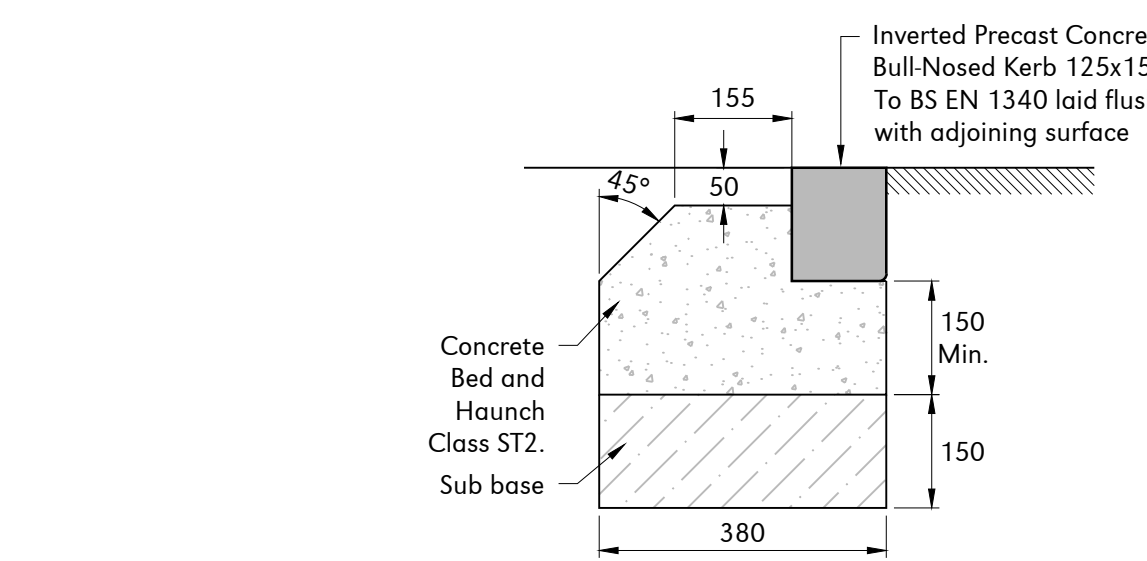
LEFT HAND TYPE DL1  
(DR1 Similar but handed)



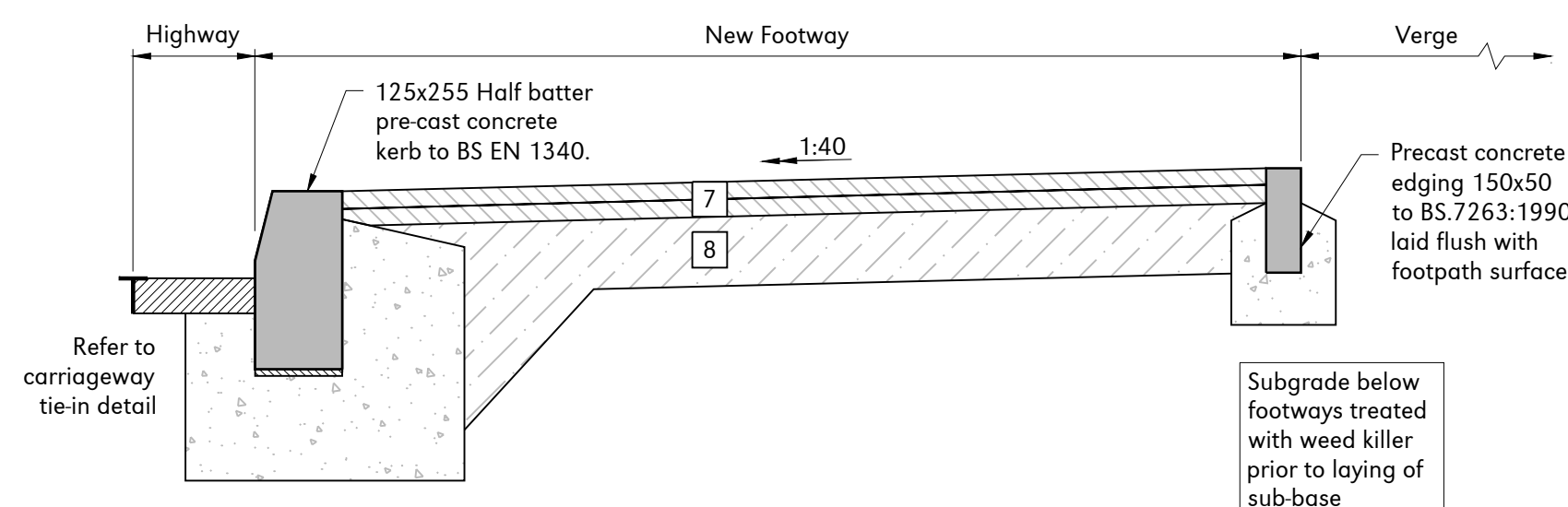
Footpath Edging (EF)  
Scale 1:10



Bullnosed Kerb (BN)  
Scale 1:10



INVERTED BULLNOSED KERB (BNO)  
Scale 1:10



New Footway Construction Details  
Scale 1:10