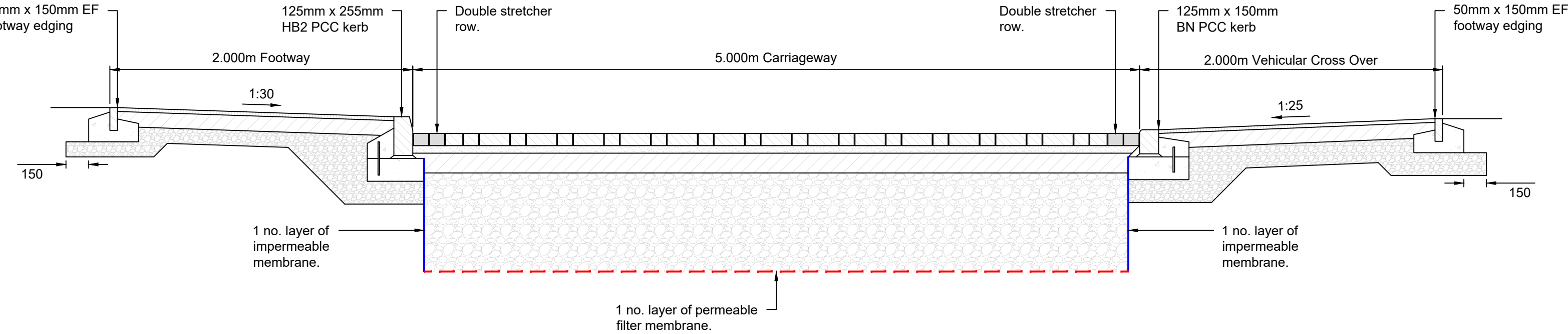




Full Depth Tarmac Residential Footway Construction

- Surface Course: 25mm of 6mm size Dense 70/100 or 100/150 Surface Course (AC 6 dense surf) to Clause 9.4 compacted to a void content within the range 2%-10%.
- Binder Course: 100mm of 20mm size Dense, 70/100 or 100/150 Binder Course (AC 20 dense bin rec) to Clause 9.1 compacted to a void content within the range 2%-10%.
- Sub-base: 100mm of Type 1 sub-base to Clause 1.2.

Full Depth Pervious Pavement Block Paver Access Road Construction (Construction Chart 7 - Pervious)

- Block Paver: 80mm concrete blocks shall comply with 10.2 and 10.3. They shall be laid in accordance with the requirements of BS 7533-3. Blocks shall be laid in a Herringbone bond pattern. Blocks shall have a minimum Polished Paver Value (PPV) of 55.
- Laying Course: 50mm of laying course (bedding) and jointing sand used in conjunction with small block pavers shall be in accordance with Clause 10.4.
- Binder Course: 130mm of 20mm size recipe mix dense binder course AC 20 Dense Bin 40/60 rec to Clause 9.1 and shall be laid in two layers of 70mm and 60mm respectively. No layer shall be less than 50mm in thickness or greater then 100mm in thickness. Compaction must be in accordance with Clause 7.2 to a void content within the range of 2%-8% and all layers must be bonded together. Binder course to be perforated by 75mm cores at 750mm centres.
- Sub-Base: 650mm of Type 3 To Clause 8.1 compacted to achieve a min in-situ CBR value of 30% and/or a min stiffness of 35 MPa when tested in accordance with Clause 8.2.

NOTES

- See Clause 1.1.6, 1.1.7 and 1.1.8.
- See Clause 1.1.6 - Assumes no improvements is possible using either sub-soil drainage or soil strengthening technique. 710mm is 410mm of 6F5 Capping Layer Granular Fill to Clause 6.8 and 300mm of Type 1 sub-base. The thickness of 710mm can be reduced to 620mm if all Type 1 sub-base is used.
- For soft spots and sub-grades with a CBR of less than 1½ % the geotextile shall be laid with an approved geogrid or shall be an approved geocomposite. Approved specialist design can be used with the agreement of the Authority.
- See Clause 1.9.
- The use of a geosynthetic with a sub-grade with the bearing capacity offers no advantage or economy. Ref: BS7533 Guide for Structural Design of Pavements Constructed with Clay or Concrete Block Pavers.

Full Depth Tarmac Vehicular Crossing Construction

- Surface Course: 25mm of AC6 Dense Surf Surface Course to Clause 9.4 compacted to a void content within the range 2%-10%.
- Binder Course: 100mm of AC20 Dense Bin Rec Binder Course 40/60 or 100/150open to Clause 9.1 compacted to a void content within the range 2%-10%.
- Sub-base: 150mm of Type 1 sub-base to Clause 1.2. (NB where the CBR value of the sub- grade is below 1.5% an approved geosynthetic layer to Clause 6.7 will be required to be placed on the sub-grade). On certain sites the depth of topsoil may exceed 275mm. On such sites topsoil containing organic matter, roots, etc. shall be removed and replaced with Type 1 sub-base in accordance with Clause 1.2.

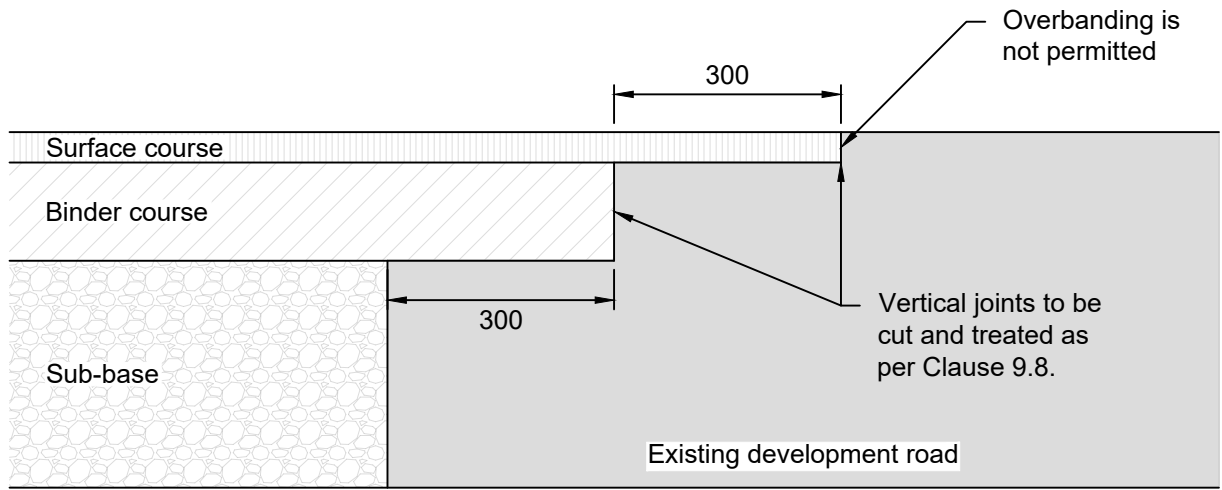
Soiling, Grassing and Turfing (Verge) (1:20)

Soiling and compacting of the side slopes of cuttings, embankments and verges shall be carried out to an even surface with a minimum compacted thickness of 100mm of topsoil. (The use of the word 'compacting' is as a preparation for seeding or turfing and should be carried out by treading the area several times in different directions and then rake several times also in different directions. Vibrating compactors should never be used for this operation.)

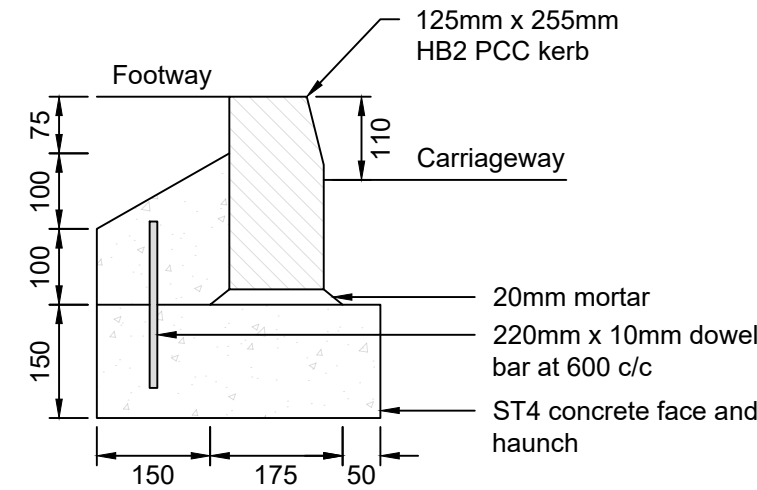
All surfaces to be grassed shall, immediately before sowing, be reduced to a fine tilth and all stones over 20mm diameter and all harmful material shall be removed. Fertilizer from an approved manufacturer, in the following parts - 10 Nitrogen: 15 Potassium: 10 Phosphorous shall be spread in two directions at a total rate of 50gm/m². Grass seed from an approved manufacturer, shall be spread in two directions at a total rate of not less than 1kg to 50m² and shall consist of the following parts:-

For Non SuDS applications:

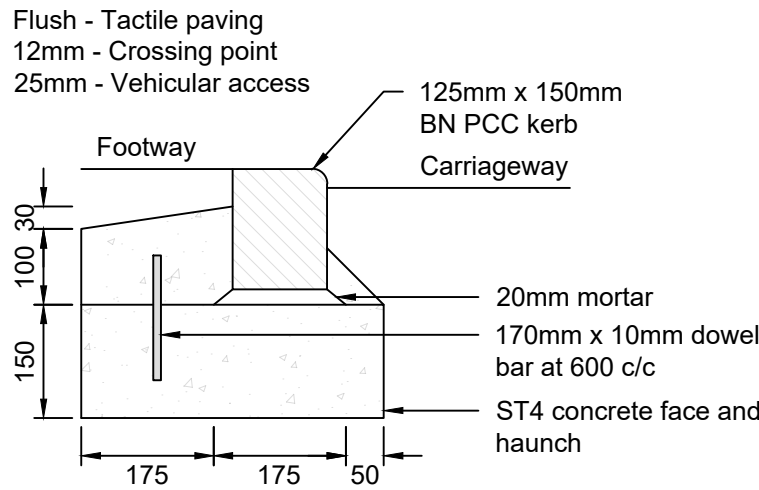
- 25% Barkoel Crested Hairgrass
- 20% Hardtop Hard Fescue
- 35% Barpearl Slender Creeping Red Fescue
- 20% Bargreen Chewings Fescue



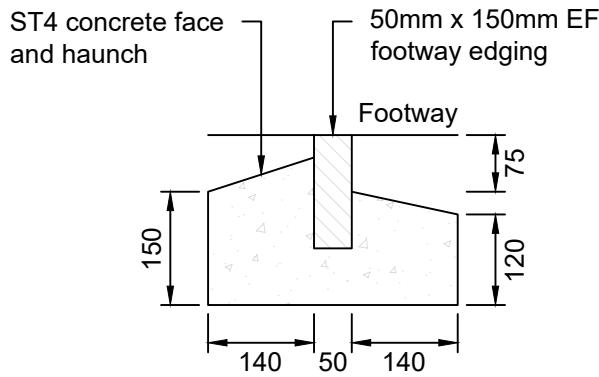
Joints with Existing Carriageways Within Section 38 Developments (Scale 1:10)



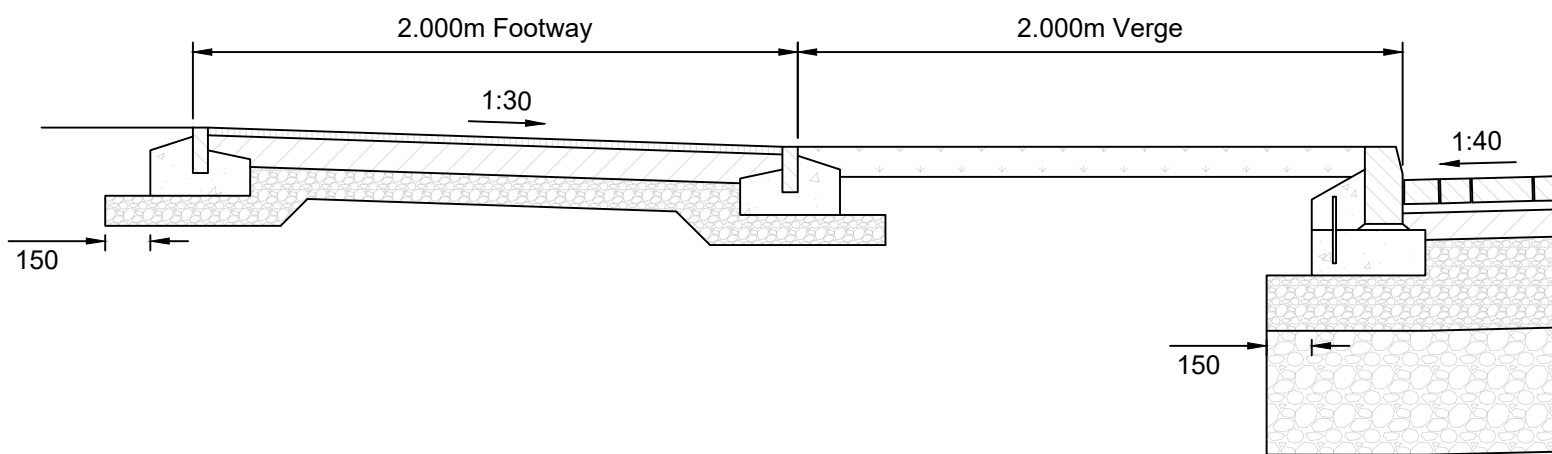
125mm x 255mm HB2 Full Height Kerb (Scale 1:10)



125mm x 150mm BN Dropped Kerb (Scale 1:10)



50mm x 150mm EF Footway Edging (Scale 1:10)



Typical Section Through Verge / Footway (Scale 1:25)

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General Notes

- Do not scale this drawing.
- All dimensions are in millimeters unless stated otherwise.
- This drawing is to be read in conjunction with all other relevant drawings & specifications.
- All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
- No works shall commence on site until approval has been obtained from all relevant Agencies / Authorities.
- All dimensions referred to in this drawing must be verified.

P2	Drawing title revised. Construction details updated.	11.05.2020
P1	First Issue	18.04.2019
Revision	Description	Date

PRELIMINARY

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Title
Construction Details - Sheet 1

Drawn by SG	Checked by SG	Paper Size A1
Drawing Number 07-0123-018		Revision P2
		Scale As Shown
		Date 18.04.2019