

Full Depth Tarmac Residential Footway Construction

Surface Course: 25mm of 6mm size Dense 70/100 or 100/160 Surface Course (AC R dense surf) in Clause 9.4 compacted to a void content within the range 2%-10%.

Binder Course: 100mm of 20mm size Dense, 70/100 or 100/160 Binder Course (AC 20 dense bin rec) in Clause 9.1 compacted to a void content within the range 2%-10%.

Sub-base: 100mm of Type 1 sub-base in Clause 1.2

Full Depth Block Paved Access Road Construction

Block Paver: 80mm concrete blocks shall comply with 10.2 and 10.3. They shall be laid in accordance with the requirements of RS 7533.3. Rocks shall be laid in a Herringbone bond pattern. Rocks 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 than 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.

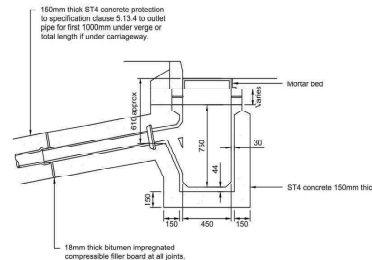
Sub-base: 650mm of Type 3 to Clause 8.1 compacted to achieve a min in-situ CDR value of 30% and/or a min stiffness of 35 MPa when tested in accordance with Clause 8.2.

Full Depth Tarmac Vehicular Crossing Construction

Surface Course: 25mm of A08 Dense Surf Surface Course to Clause 0.4 compacted to a void content within the range 2%-10%.

Binder Course: 100mm of AC20 Dense Bin Rec Binder Course 40/60 or 100/150 open to Clause 9.1 compacted to a void content within the range 2%-10%.

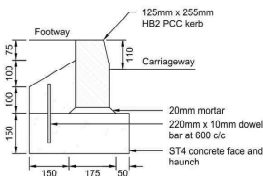
Sub-base: 150mm of Type 1 sub-base to Clause 1.2. (NB where the CBR value of the sub-grade is below 1.5% an approved geosynthetic layer in Clause 6.7 will be required to be placed on the sub-grade). On certain sites the depth of topsoil may exceed 275mm. On such sites topsoil containing organic matter, roots, etc. shall be removed and replaced with Type 1 sub-base in accordance with Clause 1.2.



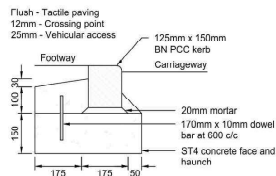
Type G5 Trapped Road Gully (Scale 1:20)

NOTES

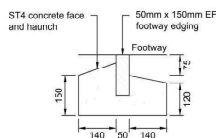
1. Cover and frame uncoated iron to Clause 5.11.1.
2. Mortar bed and bedding to Clause 5.11.3.
3. Standard pre-cast sealing strip to comply to BS 5911.4:2010.
4. All in situ concrete to be ST4 with sulphate resisting cement unless agreed otherwise.
5. Position of outlet pipe varies in plan.
6. In situ ST4 concrete 150mm thick surround to outlet pipe for first one metre under verge or total length if under carriageway.
7. Where grating is to be trafficked or laid against within 24 hours of frame being placed in position, then a suitable Ultra rapid hardening mortar and concrete (Monocast 241 or similar) shall be used to bed cover and frame.



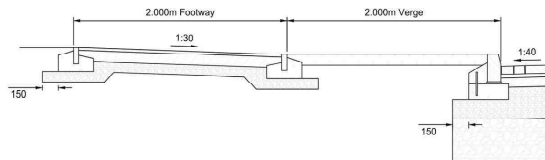
125mm x 255mm HB2 Full Height Kerb (Scale 1:10)



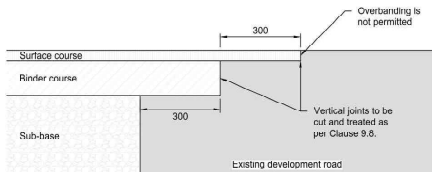
125mm x 150mm BN Dropped Kerb (Scale 1:10)



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



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



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

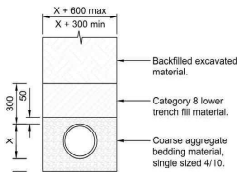
Soiling, Grassing and Turfing (Verge) (1:20)

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 rib 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 Phosphorus shall be spread in two directions at a total rate of 50g/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:

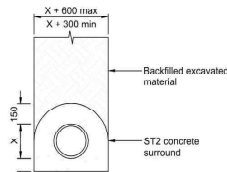
- 25% Barkoel Crested Hairgrass
- 20% Hardtop Hard Fescue
- 35% Barpearl Slender Creeping Red Fescue
- 20% Bargreen Chewings Fescue



Type S - Bed and Surround (Scale 1:20)

Surround to be used beneath vehicular loaded areas where cover is greater than 1.200m to soffit.

Surround to be used beneath soft landscaped areas where cover is greater than 0.000m to soffit.



Type Z - Bed and Surround (Scale 1:20)

Surround to be used beneath vehicular loaded areas where cover is less than 1.200m to soffit.

Surround to be used beneath soft landscaped areas where cover is less than 0.000m to soffit.

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General Notes

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

P3	Construction details updated.	18.02.2021
P2	Drawing title revised. Construction details updated.	11.05.2020
P1	First issue	18.04.2019
Revision	Description	Date

PRELIMINARY

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Project	Burmor Construction Limited Willow Walk, Spalding, Lincolnshire
Title	Construction Details - Sheet 1

Drawn by SG	Checked by SG	Paper Size A1
Drawing Number 07-0123-018	Revision P3	Scale As Shown
		Date 18.04.2019