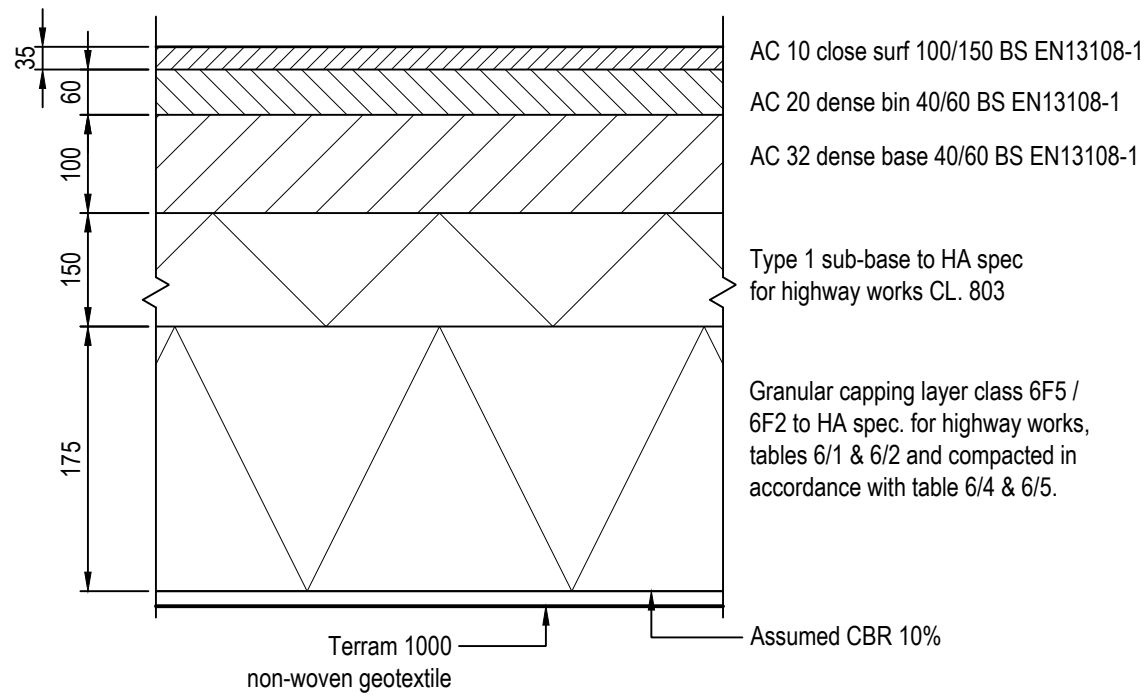
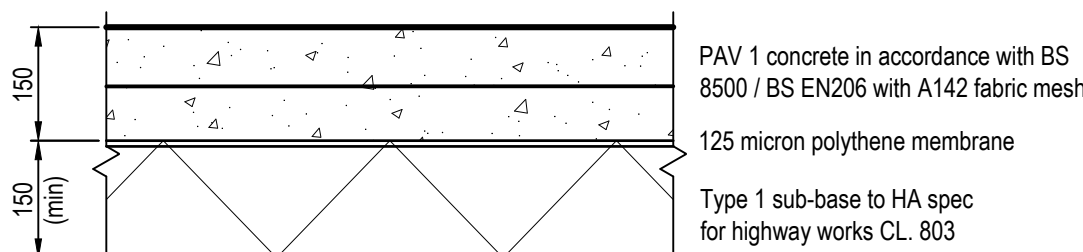




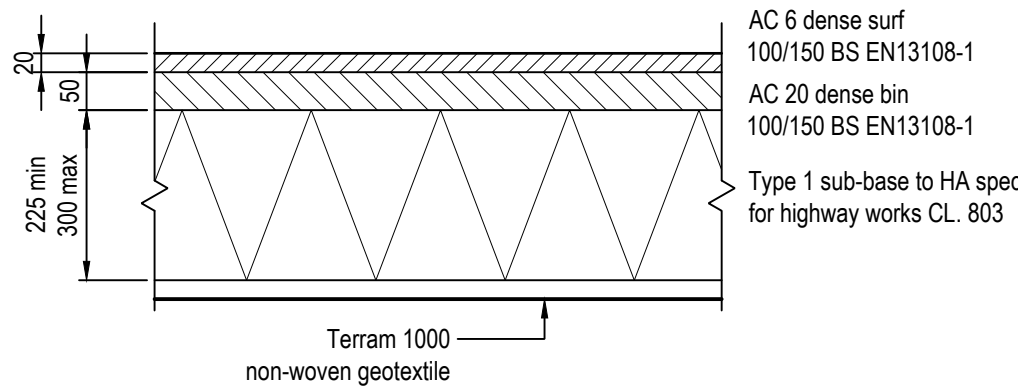
**Macadam Access Road
Construction Detail
Detail 1**

SCALE = 1:10



**Concrete Bin Store
Construction Detail
Detail 3**

SCALE = 1:10



**Macadam Footpath
Construction Detail 5**

SCALE = 1:10

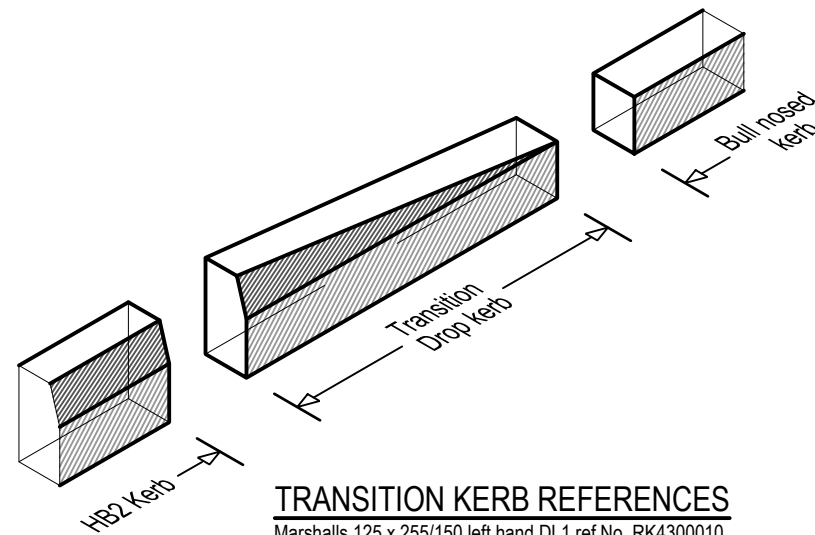
Sub-Grade Improvement	
CBR Value	Capping Thickness
0 - 2%	600mm
2.1 - 2.5%	450 - 400mm
2.6 - 3%	400 - 350mm
3.1 - 4%	350 - 300mm
4.1 - 5%	300 - 250mm
5.1 - 8%	250 - 200mm
8.1 - 15%	200 - 150mm

Granular Capping Layer Specification:
Class 6F5 / 6F2 to HA spec. for highway works, tables 6/1 & 6/2 and compacted in accordance with table 6/4 & 6/5.

Grading Requirements	
BS Sieve (mm)	% Passing
125	100
90	80 - 100
70	65 - 100
37.5	45 - 100
10	15 - 60
5	10 - 45
0.6	0 - 25
0.063	0 - 12

Note: Aggregate grading test to be performed in accordance with BS 1377-2

Sub-Grade Improvements Table

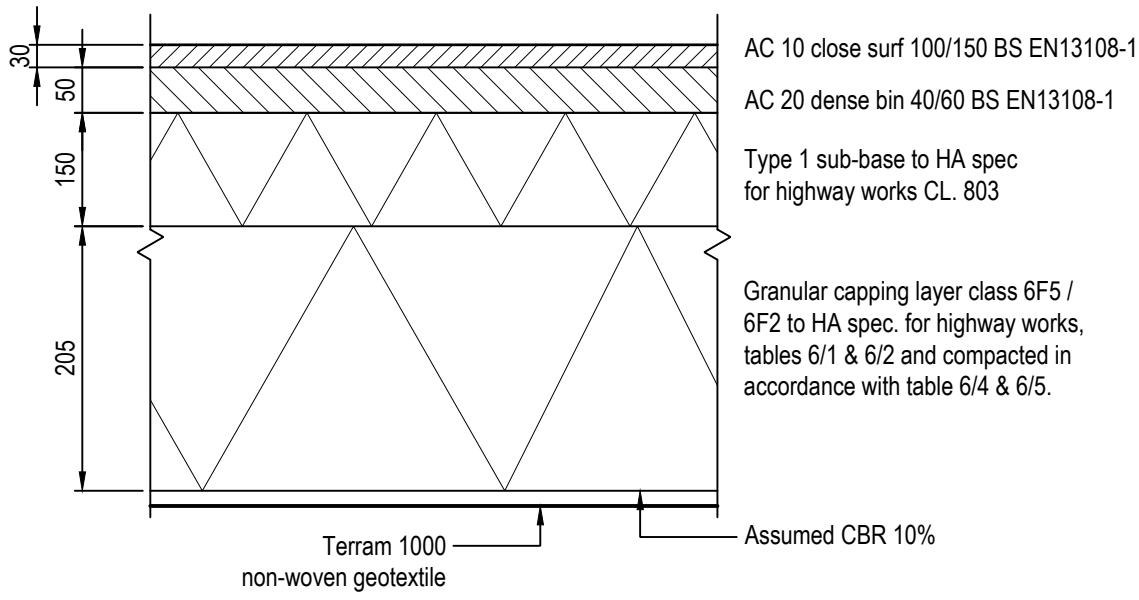


TRANSITION KERB REFERENCES
Marshalls 125 x 255/150 left hand DL1 ref No. RK4300010
Marshalls 125 x 255/150 right hand DR1 ref No. RK4300020

HB2 to BN Drop Kerb Typical

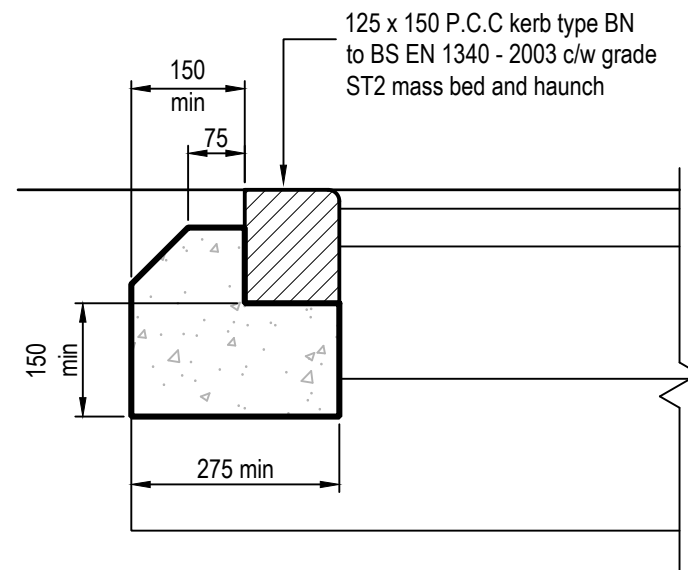
Transition Detail

SCALE = 1:20



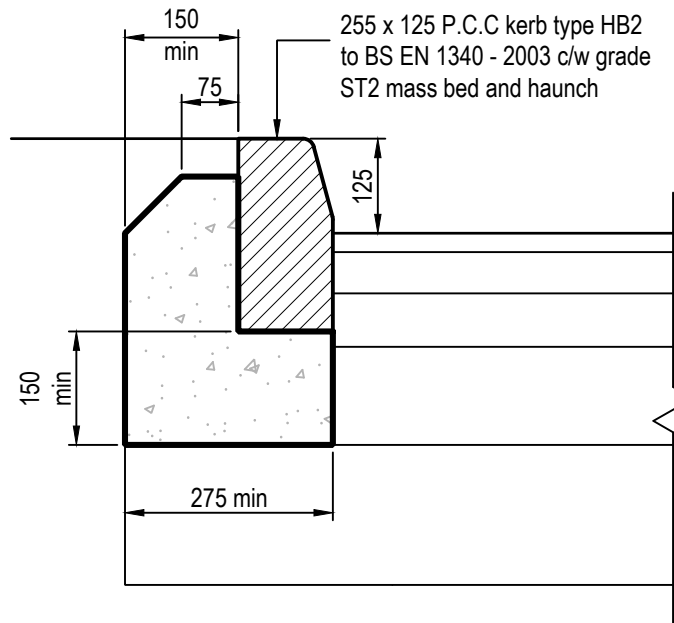
**Car Display & Access Ways
Construction Detail
Detail 4**

SCALE = 1:10



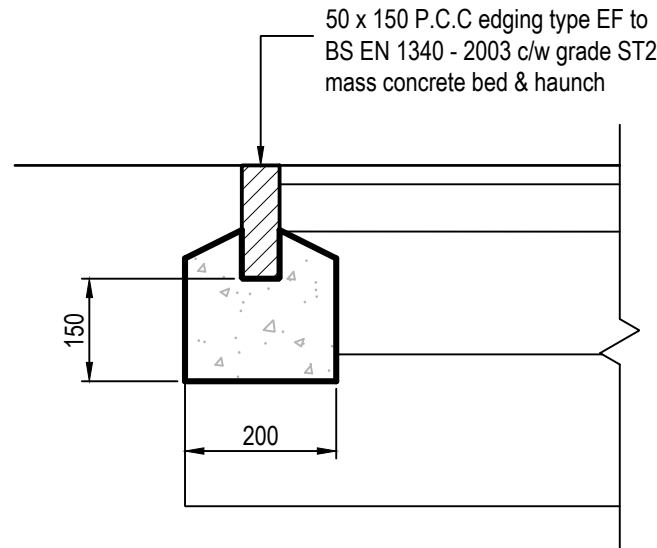
P.C.C. BN Drop Kerb Detail

SCALE = 1:10



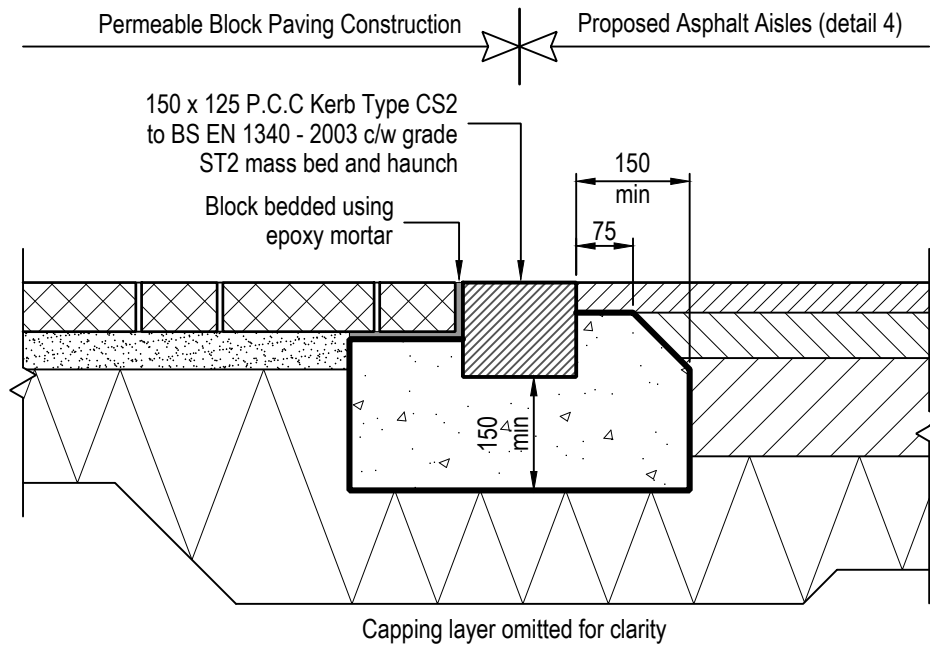
P.C.C. HB2 Kerb Detail

SCALE = 1:10



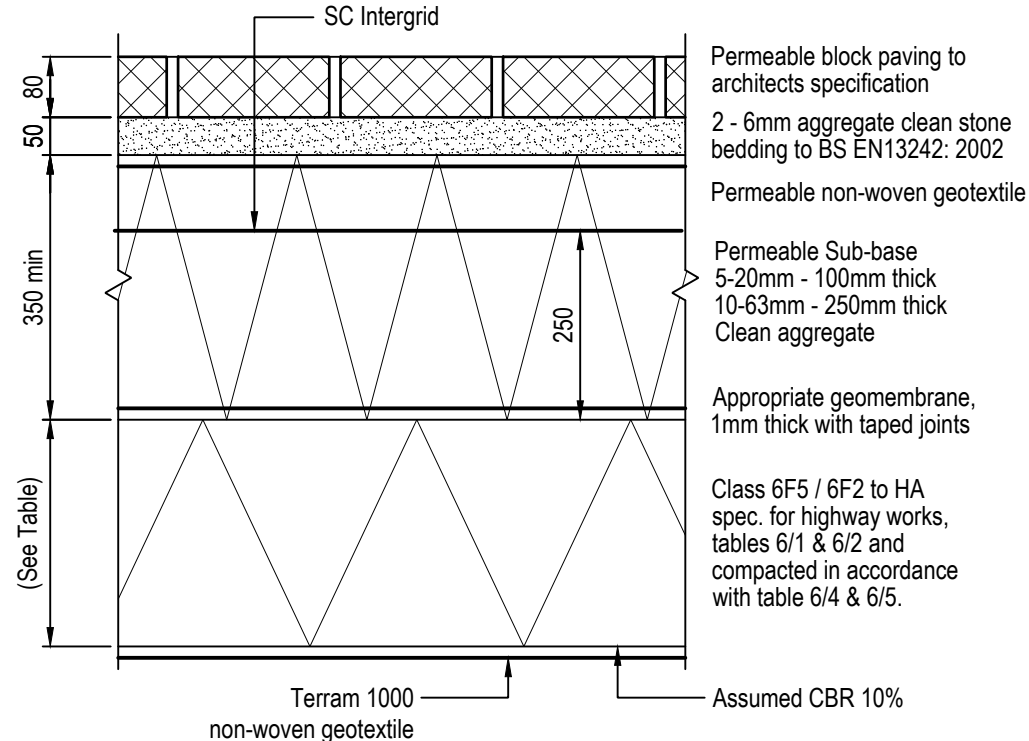
P.C.C. EF Edging Detail

SCALE = 1:10



P.C.C. CS2 Kerb Detail

SCALE = 1:10



**Type C - Permeable Block Paved Access Road
Construction Detail
Detail 2**

SCALE = 1:10

Note: If the porous sub-base is to be laid early it will need to be protected either with sacrificial asphalt or capping layer material

Notes:

- The Permeable blocks should not be laid until the building construction is finished to avoid damage by construction vehicles and activity.
- The contractor should ensure that there is a level base course for the Permeable blocks and clean stone bedding before the surfacing is laid to correct line and level.
- A suitable impermeable geo-membrane with taped joints is to be laid at the base of the permeable sub-base layer to protect the sub-base from any migrating silts permeating from the layers below (1mm thick with taped joints).
- If a protective layer is used to the porous sub-base during the construction phase then the contractor can consider using one of the following 2 methods.
 - A sacrificial layer of crushed material can be laid during the construction phase and removed before the stone bedding and blocks are laid. Or;
 - An AC20 Binder Layer 100/150 to BS EN13108-1 can be laid. This can then be left in place and core drilled out with 75mm holes at 0.75m centers through asphalt and into sub-base, filled with 5mm clean stone and covered with geotextile.

Sub-Grade Improvement Table	
Type C - Attenuation System	
CBR Value	Thickness (min)
0 - 1%	350mm
1.1 - 2%	300mm
2.1 - 3%	250mm
3.1 - 4%	200mm
4.1 - 15%	150mm

Material Specification:
Class 6F5 / 6F2 to HA spec. for highway works, tables 6/1 & 6/2 and compacted in accordance with table 6/4 & 6/5.

**Permeable Macadam / Paving
Sub-Grade Improvements Table**

Notes:

- This drawing is to be read in conjunction with all relevant architects, engineers and specialist sub-contractors drawings and the specification.
- All setting out to be in accordance with the architects drawings. Any discrepancies between the engineers and the architects drawings to be referred to the architect before proceeding. Dimensions must not be scaled.
- All asphalt concrete materials to be provided and laid in accordance with EN13108-1 and 5, BS 594987:2007 and PD6691:2007.
- Capping layer material to be in accordance with the Highway Authority 'Specification for Highway Works' table 6/1, 6/2 and 6/4, contractor to provide certificates to confirm compliance.
- Well graded crushed material to be clean and free of plastic, metal, plaster etc, passing a 75mm screen on compacting plant and graded to have a uniformity coefficient greater than 10. contractor to provide certificates to confirm compliance.
- Contractor to allow for all works on the public highway to be in accordance with the local Highway Authority requirements. contractor to allow for applying for all 'road opening licences' and paying all necessary fees.
- Overlapping elements of stepped joints shall normally be 300mm except where this places the joint in the wheel track, whereupon on c class and unclassified roads the overlap may be reduced to 150mm, and on a and b class roads the overlapping elements shall be extended in accordance with lan 154/12, any overlapping elements less than 300mm shall be agreed with the wsc engineer and/or wsc inspector.
- In situ concrete paving to be in accordance with BS 8500-1 and BS EN 206-1.
- All highways macadam materials to be in accordance with the Highways Agency 'Specification for Highway Works' series 900 for roads and series 1100 for footways.
- Precast concrete kerbs, channels, edgings and quadrants to be manufactured and laid in accordance with BS EN 1340 - 2003.
- All pavements constructed with concrete, clay or natural stone pavers to be in accordance with BS 7533 all relevant parts.
- Concrete block pavers including permeable blocks to be in accordance with BS EN 1388.
- Clay pavers to be in accordance with BS EN 1344.
- Sand bedding layer to pavers to be in accordance with the table in BS 7533-3 annex D. All pavers to be laid and compacted in accordance with all relevant parts of BS 7533.
- Unless specified elsewhere all pavers will be laid in a 45° herringbone pattern.
- Block paving immediately adjacent to features like drainage channels to be fixed in place using epoxy mortar minimum 14mm thick.
- Contractor to allow for saw cutting all joints where new works extend into existing highway construction. Allow for painting of joints with bitumen emulsion reinstatement of chase all in accordance with highway authority requirements.
- Preformed internal and external angle kerbs to be used where appropriate, mitring of kerbs is not acceptable

B 08.02.22 Permeable Paving Note Added
A 31.01.22 Construction Issue
Rev. Date Description



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Client:
RICHMOND MOTOR GROUP

Project Title:
Saltbox

Drawing Title:
Construction Details

Sheet 5 of 5

Drawing Status:
Construction

Originator No.	Rev by	CHK by	Scale
114378	DB	PW	1:125 @A1

PROJECT / ORIGINATOR / ZONE / LEVEL / TYPE / ROLE / NO.
114378-CAL-XX-XX-DR-D-0504

Revision:
B