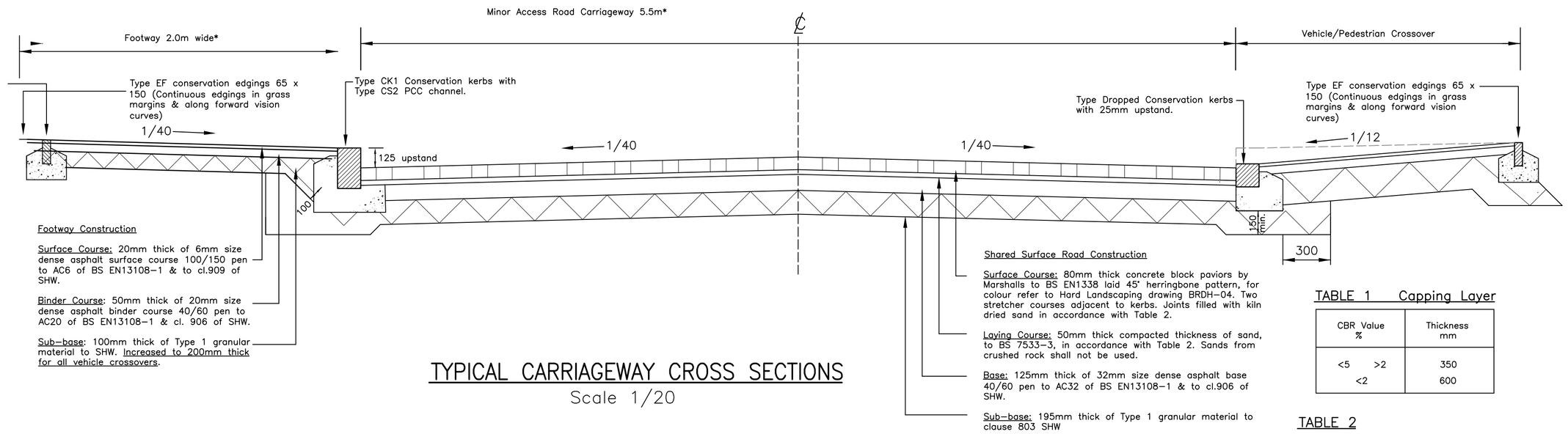
*Refer to Engineering Layout



Footway Construction

Surface Course: 20mm thick of 6mm size dense asphalt surface course 100/150 pen to AC6 of BS EN13108–1 & to cl.909 of SHW.

Binder Course: 50mm thick of 20mm size dense asphalt binder course 40/60 pen to AC20 of BS EN13108–1 & cl. 906 of SHW.

Sub–base: 100mm thick of Type 1 granular material to SHW. Increased to 200mm thick for all vehicle crossovers.

Shared Surface Road Construction

Surface Course: 80mm thick concrete block paviors by Marshalls to BS EN1338 laid 45° herringbone pattern, for colour refer to Hard Landscaping drawing BRDH–04. Two stretcher courses adjacent to kerbs. Joints filled with kiln dried sand in accordance with Table 2.

Laying Course: 50mm thick compacted thickness of sand, to BS 7533–3, in accordance with Table 2. Sands from crushed rock shall not be used.

Base: 125mm thick of 32mm size dense asphalt base 40/60 pen to AC32 of BS EN13108–1 & to cl.906 of SHW.

Sub–base: 195mm thick of Type 1 granular material to clause 803 SHW

TYPICAL CARRIAGEWAY CROSS SECTIONS

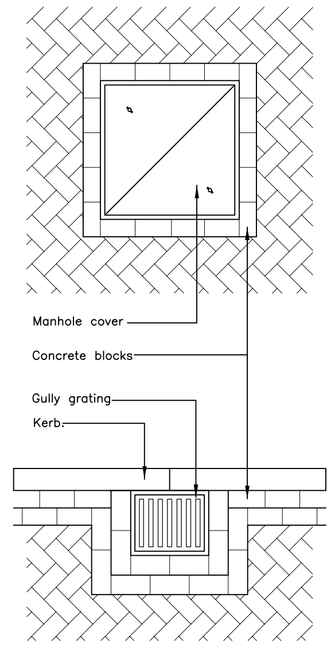
Scale 1/20

TABLE 1 Capping Layer

CBR Value %	Thickness mm
<5 >2	350
<2	600

TABLE 2

BS SIEVE SIZE mm	PERCENTAGE BY MASS PASSING LAYING COURSE SAND	JOINT FILLING SAND
8	100	–
6.3	95–100	–
4	85–99	–
2	–	100
1	–	85–99
0.5	30–70	55–100
0.25	–	–
0.125	0–5	–
0.063	–	0–2



All block paved areas are to be laid with two stretcher courses laid parallel to the kerb then the remainder laid in herringbone pattern at 45° to the kerb.

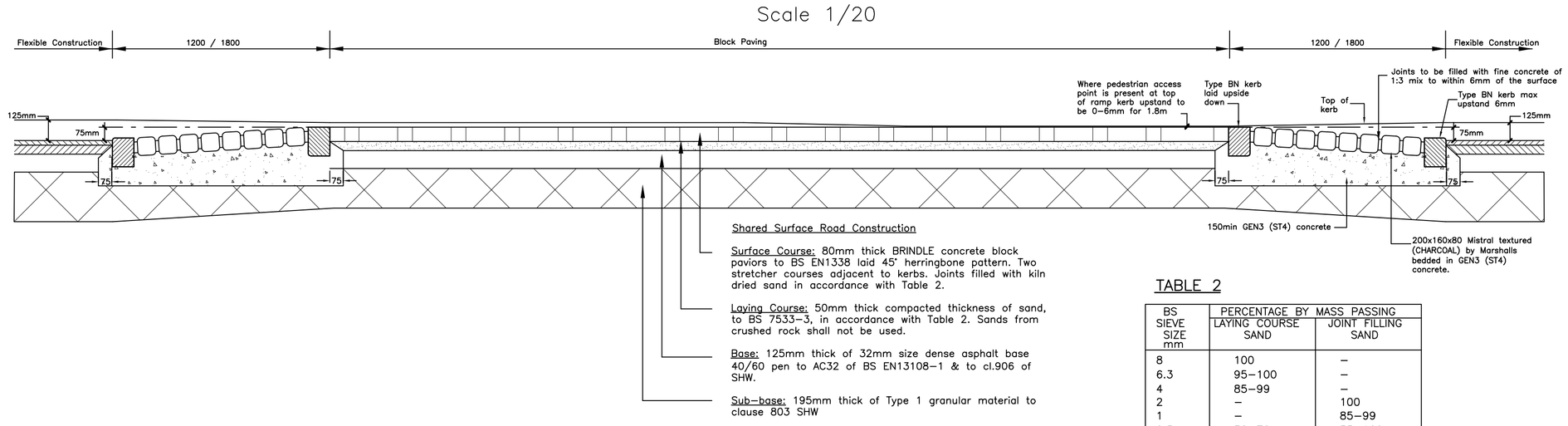
BLOCK PAVING AROUND IRONWORK

Scale 1/25

NOTES

1. All carriageway materials to be laid and compacted in accordance with their respective British Standard and DTp Specification for Highway Works. (SHW)
   Including West Sussex County Council amendments
   Asphalt (HRA & Macadams) – BS 594987
   Type 1 – Series 800 of SHW
   Capping – Series 600 of SHW
   Concrete Paving Blocks – BS 7533–3
   Kerbs – BS 7533–4
2. Additional material required to make up levels in fill areas shall be a well compacted material with a CBR of 15% or greater, and shall be laid and compacted in accordance with the SHW. An increase in width of 300mm minimum beyond the kerb haunching will be required to facilitate adequate compaction at the edges.
3. If the basecourse is to be left as a running surface then it shall be sealed with coated grit immediately on compaction of the bindercourse.
4. A tack coat of K1–40 or A1–40 to BS434:Pt.1: and Pt.2 shall be applied prior to the next course being laid on all courses that are not covered immediately by the next layer. The rate of application shall be 0.4 L/S.
5. All road construction to be strictly in accordance with the West Sussex County Council Specification and the SHW.
6. Any discrepancy in soil condition to be reported to the resident site management and the Highway Inspector.
7. Formation level to be treated with a granular weed killer of pre–emergent type.
8. Gully pots and ironwork shall comply with the BSI Kitemark Certificate Scheme and shall be marked with the BSI trademark, the 'Kitemark'.
9. No surfacing areas are to be completed until all street lighting columns & plot service connections are completed and then only with the approval of the Highway Authority.
10. Footways and footpaths basecourse to be sealed with coated grit if not topped with wearing course within 48 hours.
11. All gullies to be adopted by the Highway Authority are to have a Grade D400 cover & frame with a 900cm2 min. area of waterway and a min. combined cover & frame weight of 50kg. Gully grates located within Homezones and shared surface area shall be suitable for pedestrian use.
12. All gullies within the carriageway are initially to be set slightly below basecourse level and reset prior to the final wearing course.
13. Particular attention must be given to exposing the Formation Level (FL) to the elements to far in advance of the sub–base/capping being laid. If the FL has been left open to the elements for longer than necessary & has subsequently weakened the sub–soil then the FL shall be reduced further to a level agreed with the Engineer and replaced with a suitable material as per Note 2.
14. The contractor is to provide prior to construction commencing details of material supplier, source, construction methods and recycled materials to Highway Authority and Bovis Homes for approval.
15. In–situ CBR tests shall be taken to confirm the capping layer/sub–base requirements & to finalise the overall construction thickness prior to the commencement of construction. The BH Engineer will agree with the highway authority the above requirement.

Scale 1/20



Shared Surface Road Construction

Surface Course: 80mm thick BRINDLE concrete block paviors to BS EN1338 laid 45° herringbone pattern. Two stretcher courses adjacent to kerbs. Joints filled with kiln dried sand in accordance with Table 2.

Laying Course: 50mm thick compacted thickness of sand, to BS 7533–3, in accordance with Table 2. Sands from crushed rock shall not be used.

Base: 125mm thick of 32mm size dense asphalt base 40/60 pen to AC32 of BS EN13108–1 & to cl.906 of SHW.

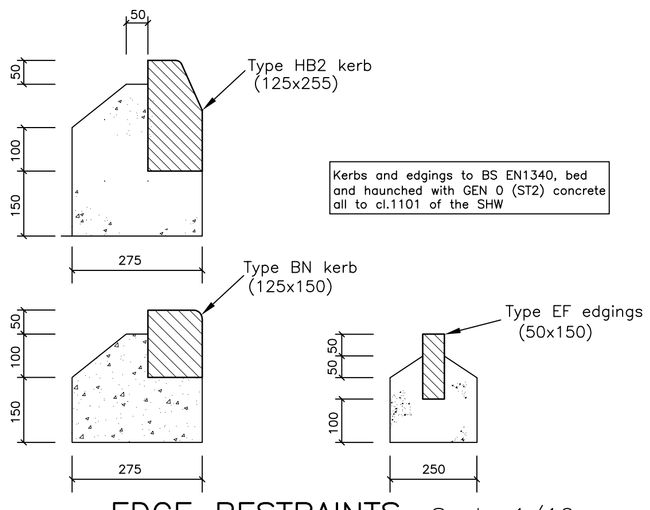
Sub–base: 195mm thick of Type 1 granular material to clause 803 SHW

TABLE 2

BS SIEVE SIZE mm	PERCENTAGE BY MASS PASSING LAYING COURSE SAND	JOINT FILLING SAND
8	100	–
6.3	95–100	–
4	85–99	–
2	–	100
1	–	85–99
0.5	30–70	55–100
0.25	–	–
0.125	0–5	–
0.063	–	0–2

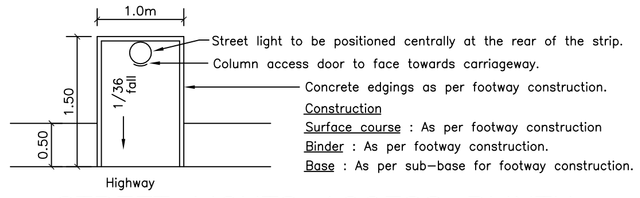
RAISED TABLE DETAIL

Scale 1/20



Kerbs and edgings to BS EN1340, bed and haunched with GEN 0 (ST2) concrete all to cl.1101 of the SHW

EDGE RESTRAINTS Scale 1/10

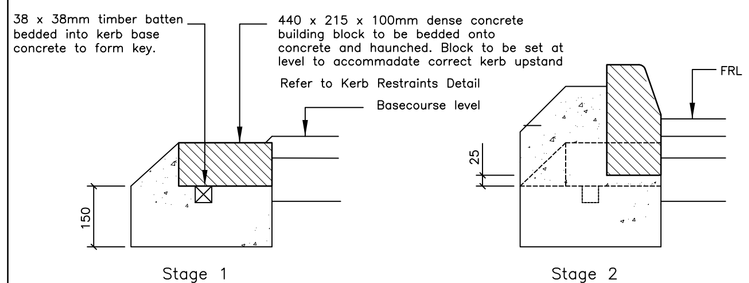


Construction
Surface course : As per footway construction
Binder : As per footway construction.
Base : As per sub–base for footway construction.

STREET LIGHTS ACCESS PLINTH

(Where footways/service margins are less than 0.5m wide)

Scale 1/50



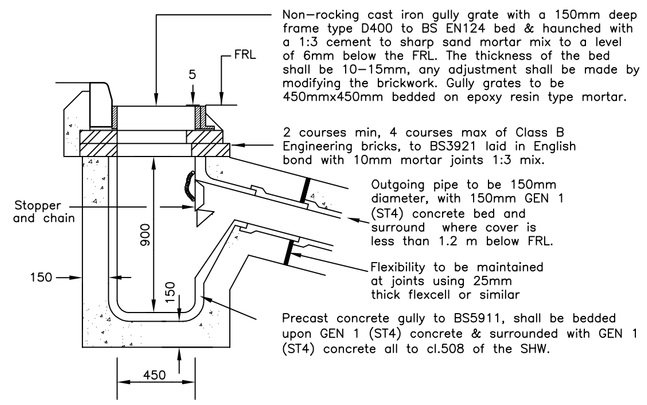
Remove concrete block, concrete haunch and timber batten.
Bed kerb onto 10mm minimum of 1:3 fine concrete mix (cement to sharp sand) and haunch as per the Kerb Restraints detail.

Alternative Methods

1. Place kerbs and protect by covering kerb and haunch with 1000 gauge polythene overlaid with 100mm thick grade GEN 0 (ST2) wet lean mix concrete.
2. Use sacrificial kerbs until adjacent footway / verge is constructed.

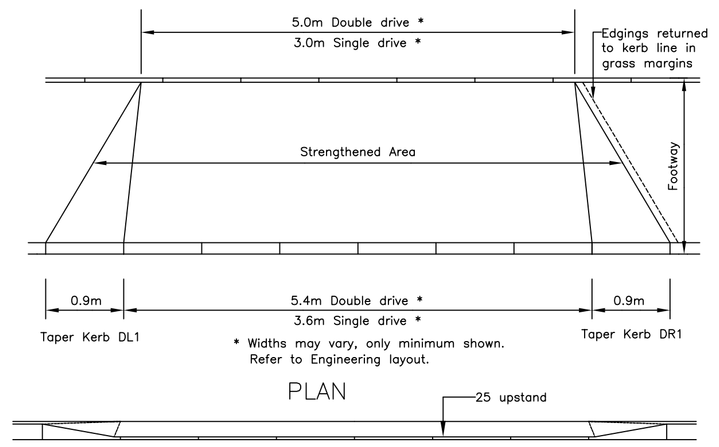
TEMPORARY KERB RACE DETAIL

Scale 1/10



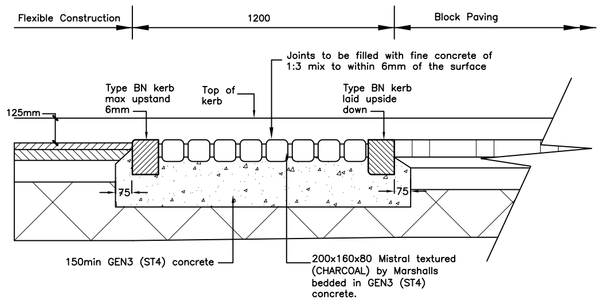
GULLY DETAIL

Scale 1/25



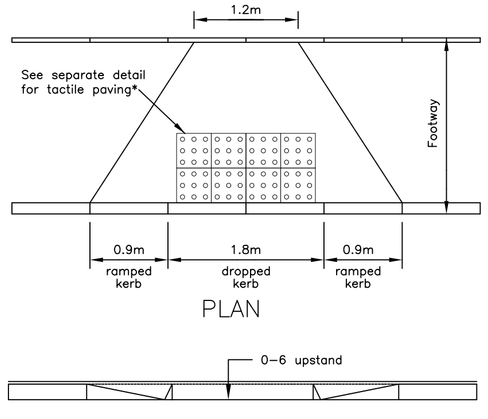
VEHICLE CROSSOVER PLAN

Scale 1/50



FLAT PANEL DETAIL

Scale 1/20



PRAM CROSSING DETAIL

Scale 1/50

Rev	Date	Details	By

Drainage Authority Approval Date

Highway Authority Approval Date

Do not scale from this drawing. Use written dimensions only. When shown relationships between slab levels and ground levels are to be checked on site. Any discrepancy or suggested modification to be reported to Design and Engineering Director.
Note : This drawing is the copyright of Bovis Homes Ltd.

BOVIS HOMES

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SITE

HAMPTON PARK
LITTLEHAMPTON, WEST SUSSEX

DRAWING TITLE

TYPICAL ROAD DETAILS
WEST SUSSEX COUNTY COUNCIL

DRAWN BY	DATE	DRAWING NO.	REV
RF	OCTOBER 2011	LITL–504	
SCALE: As Shown	CHECKED/DATE		