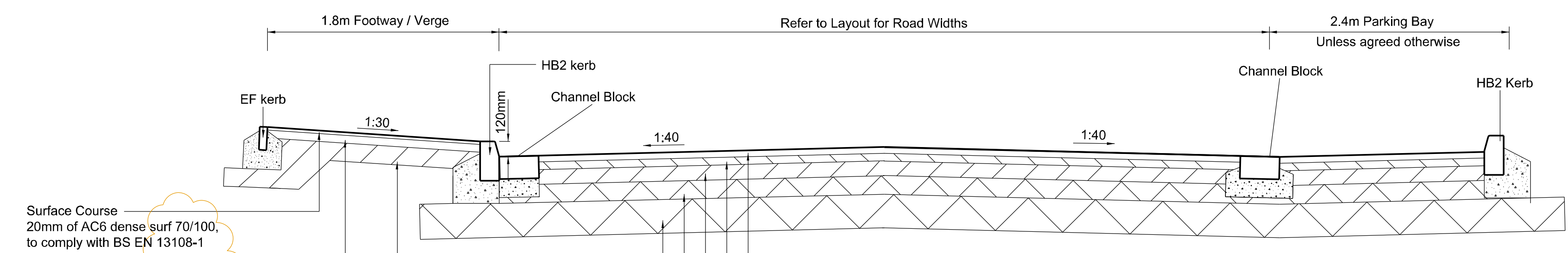


- Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect or Engineer before proceeding. © This drawing is copyright
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Surface Course  
20mm of AC6 dense surf 70/100, to comply with BS EN 13108-1

Binder Course  
45mm AC20 open bin 70/100 REC, to comply with BS EN 13108-1

Sub-Base  
150mm Type 1 granular material to Clause 803 of the Specification. To be increased where CBR values are less than 4.5%

In accordance with HSD-1100-005

- Notes:-
- Minimum depth of non frost susceptible material is 450mm for road pavements.
  - Capping thickness based on a CBR of 4.5%. For alternative CBR refer to table below.
  - Insitu CBR testing to be undertaken at time of Construction and results presented to Highway Authority for confirmation of Sub-Base thickness.

CBR	Capping thickness
2%	600mm
2.5%	400mm
3%	360mm
4%	300mm
5%	250mm
6%	240mm
7%	220mm
8%	210mm
9%	200mm
10%	190mm
11%	175mm
15%	150mm

Surface Course  
40mm of SMA 14 surf 40/60 pen to BS EN 13108-5. Min coarse aggregate PSV of 55.

Binder Course  
50mm AC20 HDM bin 40/60 to BSEN13108-1.

Base  
100mm AC32 HDM base 40/60 to BSEN13108-1.

Sub-Base  
150mm minimum Type 1 granular material to Clause 803 of the Specification.

Capping  
275mm site sourced 6F2 Category material

**Access road (ROAD 1) to have the following spec:**

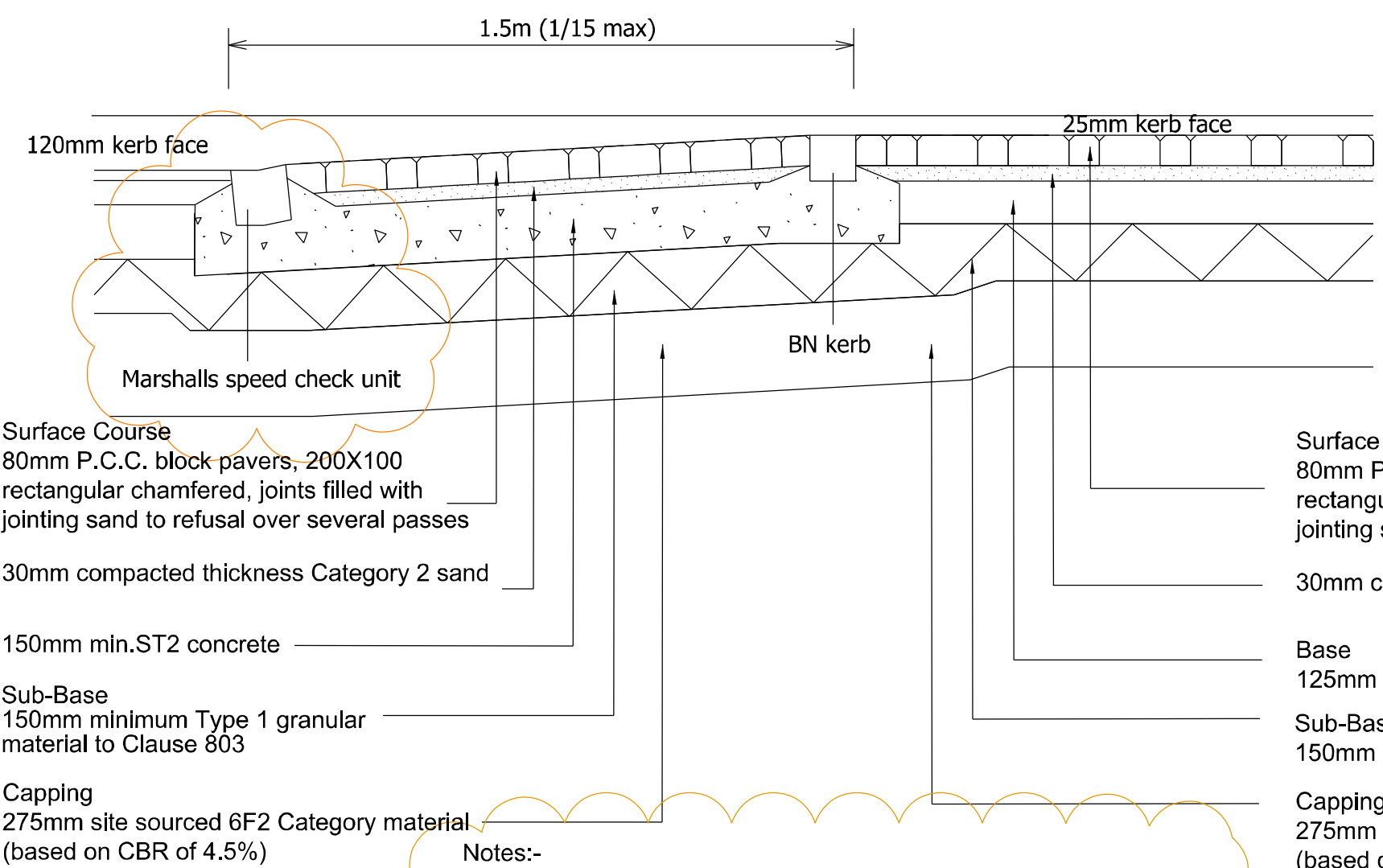
Surface Course: 40mm of HRA (black) 30/14 F surf 40/60 pen to BS EN 13108-4. Min. coarse aggregate PSV of 55. Coated chippings of 20mm nominal size (PSV 60) shall be applied to the surface.

Binder Course: 50mm AC20 dense bin 100/150 to BSEN13108-1.

Base: 100mm AC32 dense base 100/150 to BSEN13108-1.

Footway Surface: 20mm of AC6 dense surf 100/150, to comply with BS EN 13108-1

Footway Binder: 45mm AC20 open bin 100/150 REC, to comply with BS EN 13108-1



Surface Course  
80mm P.C.C. block pavers, 200X100 rectangular chamfered, joints filled with jointing sand to refusal over several passes

30mm compacted thickness Category 2 sand

150mm min. ST2 concrete

Sub-Base  
150mm minimum Type 1 granular material to Clause 803

Capping  
275mm site sourced 6F2 Category material (based on CBR of 4.5%)

Surface Course  
80mm P.C.C. block pavers, 200X100 rectangular chamfered, joints filled with jointing sand to refusal over several passes

30mm compacted thickness Category 2 sand

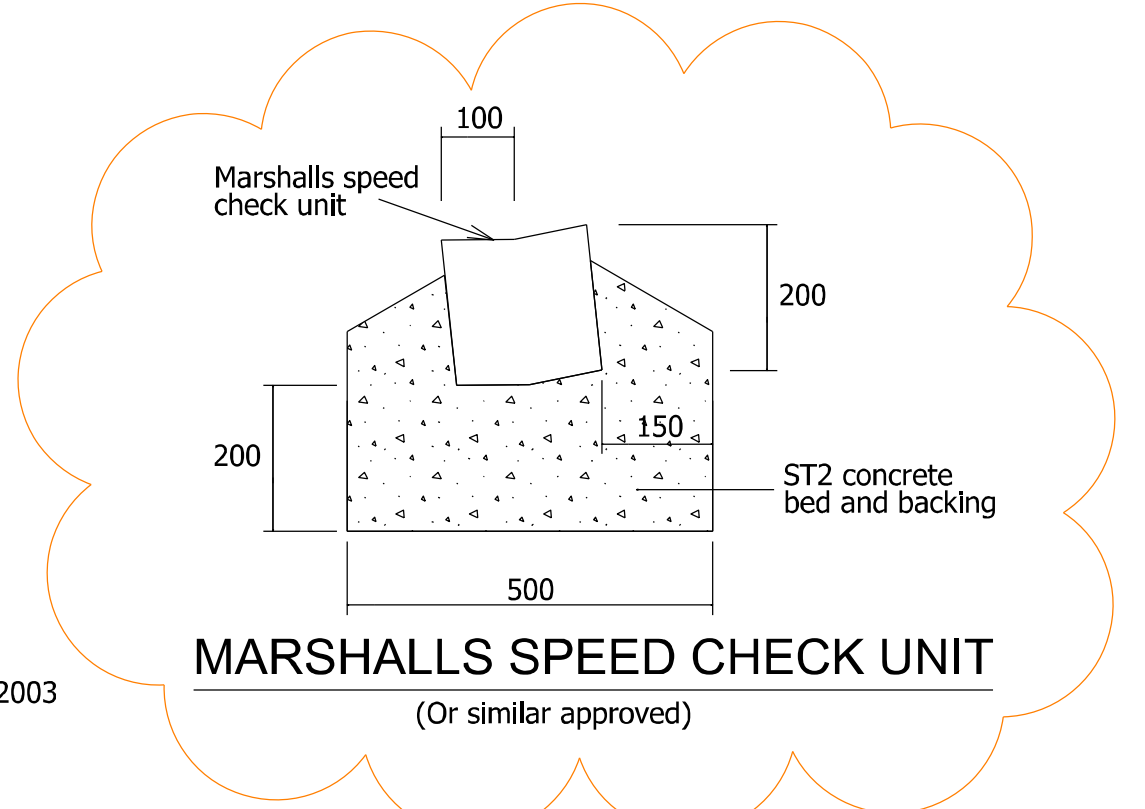
Base  
125mm AC32 HDM base 40/60

Sub-Base  
150mm minimum Type 1 granular material to Clause 803

Capping  
275mm site sourced 6F2 Category material (based on CBR of 4.5%)

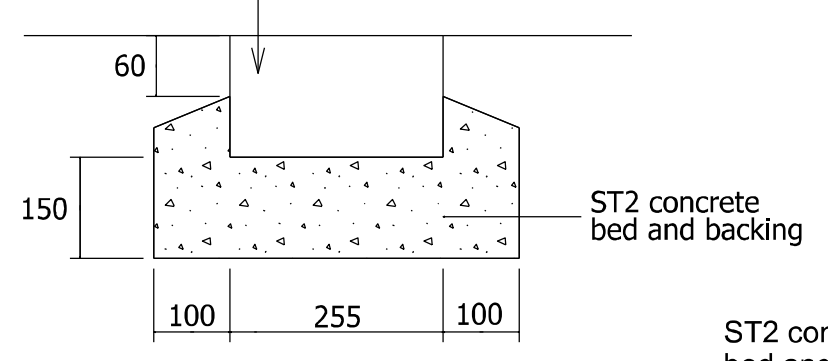
- Notes:-
- Minimum depth of non frost susceptible material is 450mm for roads.
  - Blockwork pattern to be 45 degree herringbone.
  - Blockwork colour to be brindle.

**BLACKTOP CONSTRUCTION DETAIL**

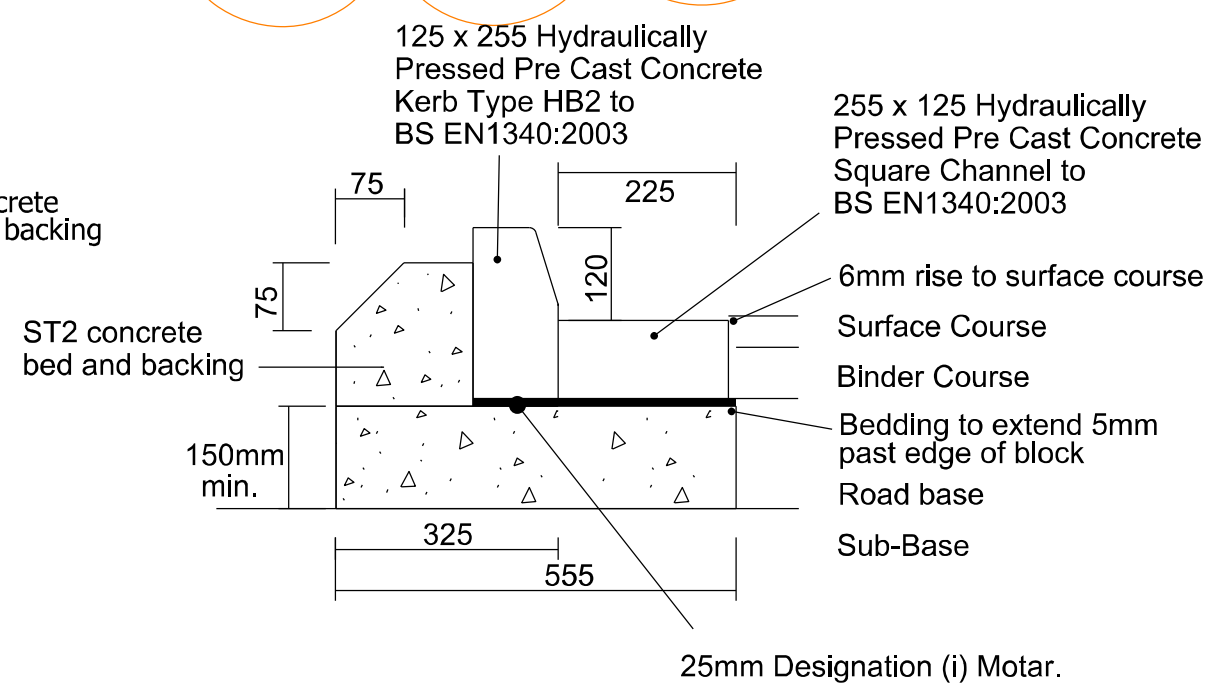


**MARSHALLS SPEED CHECK UNIT**  
(Or similar approved)

255 x 125 Hydraulically Pressed Pre Cast Concrete Square Channel to BS EN1340:2003



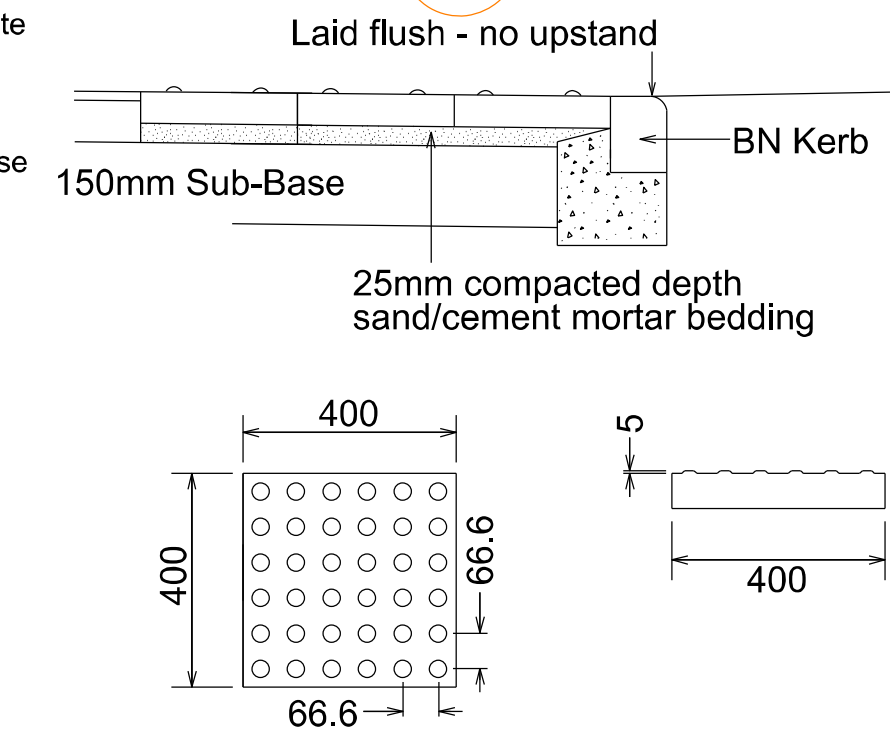
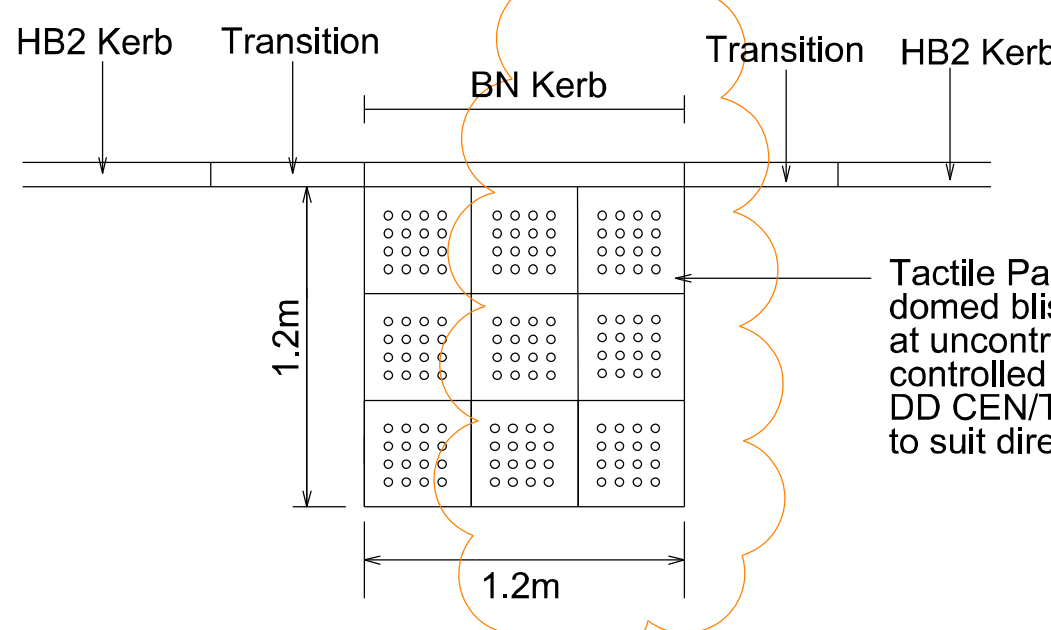
**CHANNEL KERB**



**HALF BATTERED KERB (HB2)**

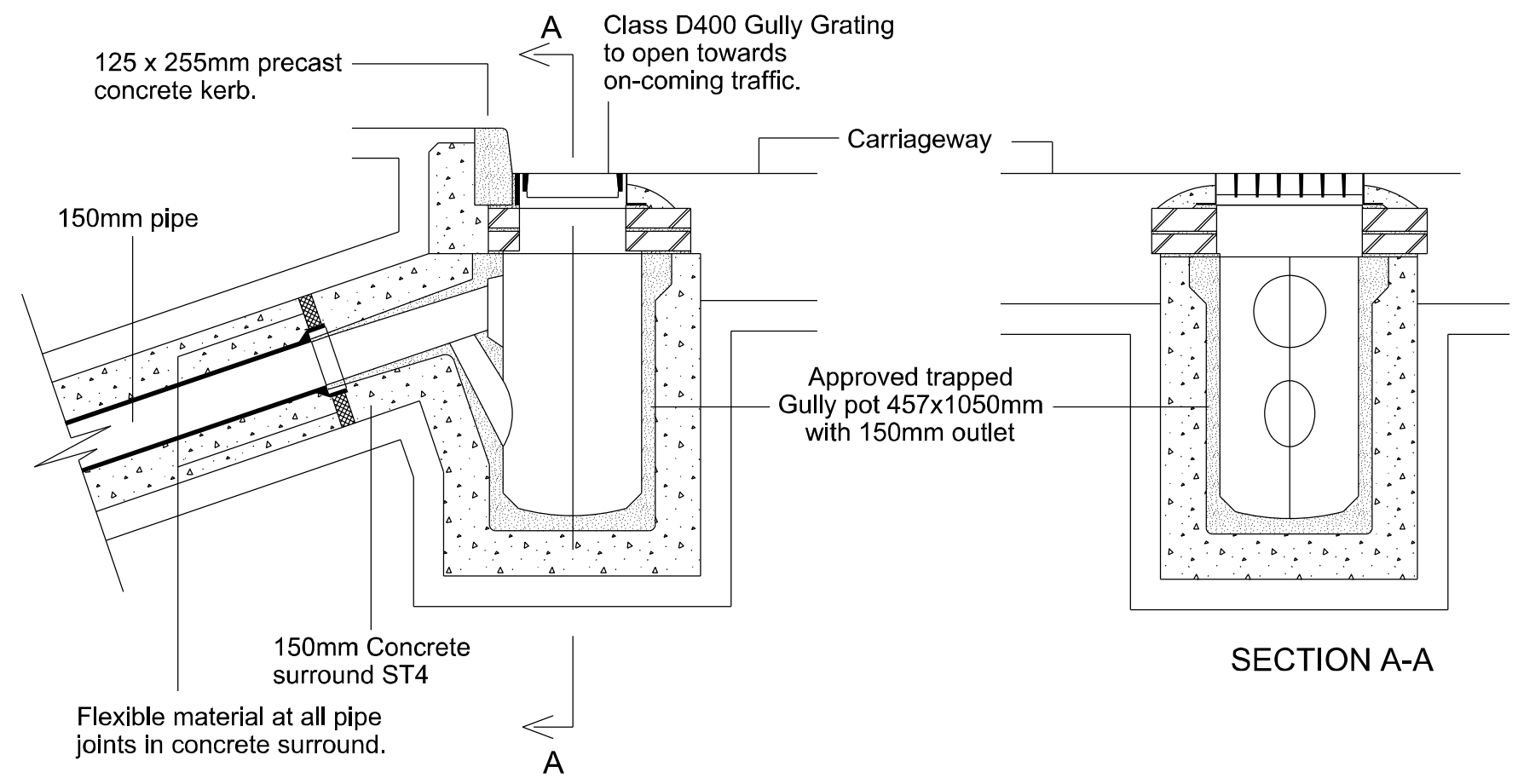
Bed and backing detail also to be used for quadrant, radius and transition kerb types.

Channel block to be used only where indicated on the engineering layout



**TACTILE CROSSING DETAIL**

Note:  
Tactile paving shall be in accordance with "Guidance on the use of Tactile Paving Surfaces" (1998) issued by DETR.



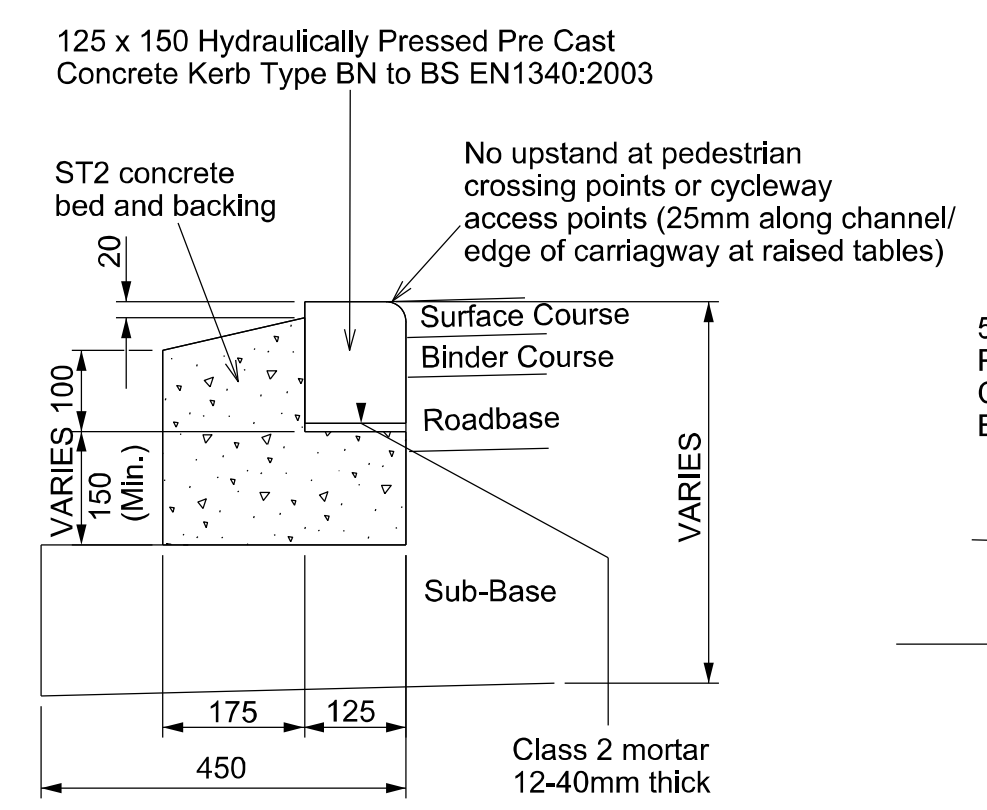
**GULLY DETAIL**

All gully pots to BS 5911 Pt 2. All grates and frames to comply with BSEN124 450mm in width. They shall be straight bar pattern. Gully grating and frames in access ways to be 325mm in width.

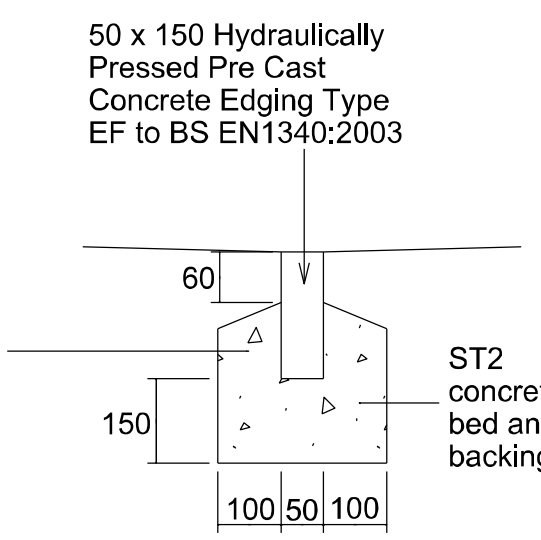
Gully pots shall be 450mm internal diameter by 1050mm deep with 150mm diameter trapped outlet and rodding eye with C.1 stopper and chain. They shall be of an approved manufacture in precast concrete to BS 5911, salt glazed ware or Clayware to BS 65 and shall be laid with 150mm thickness of ST4 concrete. Connections to the sewer shall be by 150mm diameter clay or concrete pipes bedded on 150mm concrete and surrounded with ST4 concrete to a thickness of 150mm when the cover to the pipes is less than 1.2m.

Gullies should preferably connect directly into manholes, but, if this is not appropriate, they shall be connected to the main pipe by means of 45 degree oblique angled junctions, and surrounded by ST4 concrete to a thickness of 150mm. Gully connections shall not be longer than 20m.

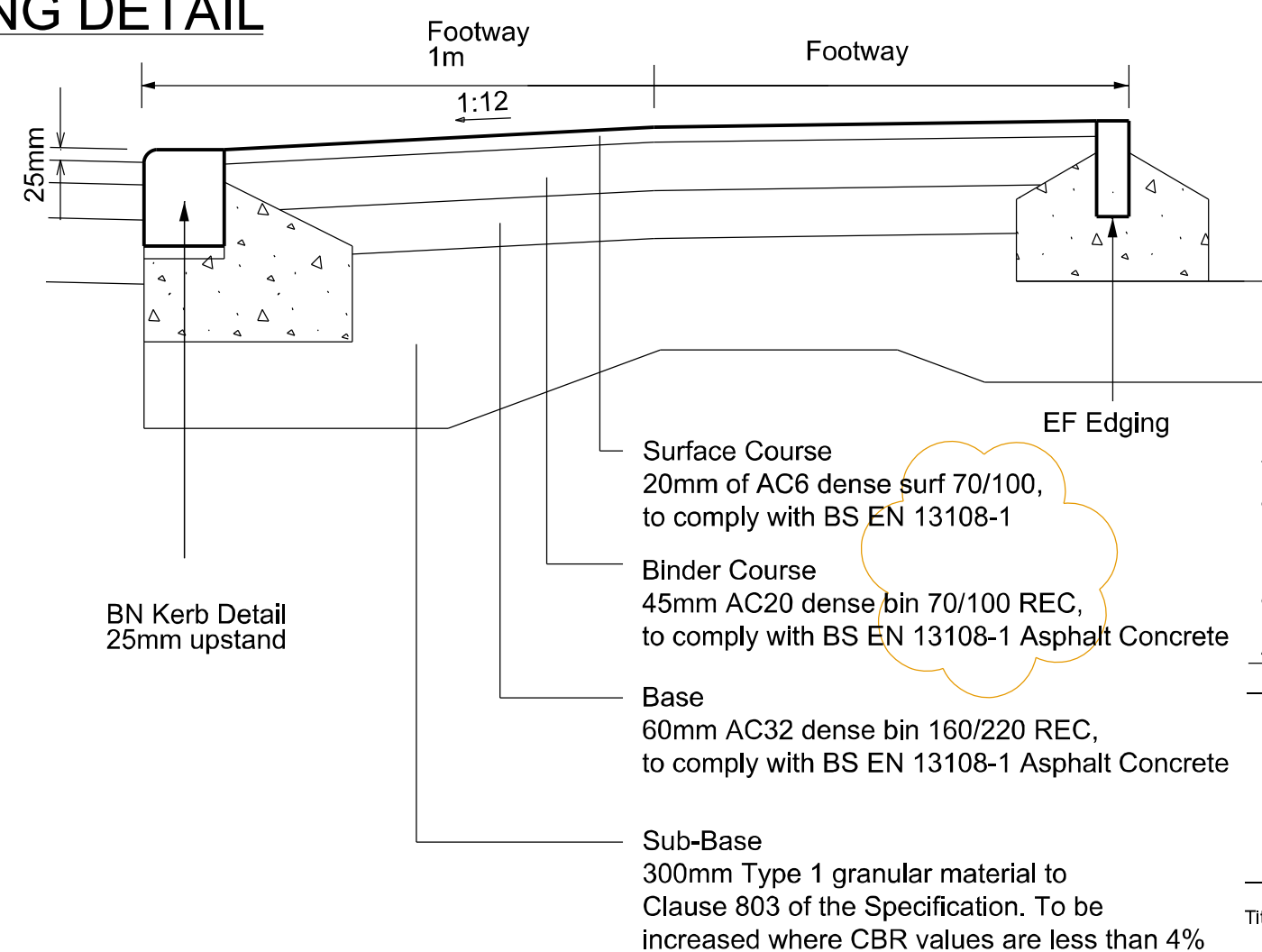
Class D400 gully grating and frame to open towards on-coming vehicles and be single piece, hinged, non-rock type to BS EN 124 (size 370 x 450mm) minimum waterway area 1000sqcm with straight bar pattern



**BULL- NOSED KERB (BN)**



**EDGING (EF)**



**VEHICULAR CROSSING DETAIL**

HSD-1100-060

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITIES, ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN IT IS ENTIRELY AT HIS OWN RISK.

Revision	Description	Drawn	Checked	Date
L	Updated to suit OCC comments	AT	JF	07.07.14
K	Road specification updated to suit OCC comments	AT	JF	16.04.14
J	Footpath binder course amended	AT	JF	10.04.14
H	Drawing updated to suit OCC comments	CG	AT	04.04.14
G	Tactile paving detail added	AT	JF	10.01.14
F	Ramp detail and road base amended to suit client comments. Square channel note added	AT	JF	06.01.14
E	Concrete extended under channel on HB2 detail. Carriageway specification amended	AT	JF	23.12.13
D	Capping layer thickness amended and alternative CBR table added based on OCC details	AT	JF	03.12.13
C	Footpath amended, crossover detail added	AT	JF	01.11.13
B	Ramp details amended	AT	JF	16.10.13
A	Drawing number amended	AT	JF	10.06.13

Preliminary  Information  Tender  Construction  As Built

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Title: UPPER HEYFORD

Details: BOVIS SHOW HOMES TYPICAL ROAD DETAILS

Scale: A1-N.T.S. Date: JUNE 2013 Drawn: SD Chk: JF

Please consider the environment before printing this drawing

HEYF/5/601 L

**SUBJECT TO TECHNICAL APPROVAL**