

TEMPORARY RUNNING COURSE OPTIONS

Where a construction period running course layer is to be provided over permeable paving sub-base (OGCR) one of the following options can be used.

- Overlay the open graded sub-base material (OGCR) with a sacrificial filtration geotextile and 100mm deep layer of Type 1 sub-base. The Type 1 is to be disposed of after the construction period has ended and replaced with the same depth of OGCR prior to laying the block paving and laying course.
- Overlay the open graded sub-base material (OGCR) with a sacrificial 60mm layer DBM course. This running layer is to be disposed of after the construction period has ended and replaced with the same depth OGCR prior to laying the block paving and laying course.
- Overlay the open graded sub-base material (OGCR) with a 130mm layer of DBM. Prior to laying the block paving and laying course the running layer shall be core drilled with 100mm holes on a 750mm grid to provide a drainage route through to the OGCR sub-base. Surface course to be machine cleaned prior to drilling. Holes to be filled with laying course 6mm sand. The condition/performance of the bituminous running course will be monitored during the construction period. If damage, subsidence or general degradation is considered to have occurred, repairs or total removal may be requested by Oxfordshire County Council's Site Inspector.

ADOPTABLE PERMEABLE PAVING CONSTRUCTION

TABLE 1

Sieve size mm	Percentage by mass passing % 63/10
100	100
63	90 - 100
40	60 - 80
20	15 - 30
10	0-5

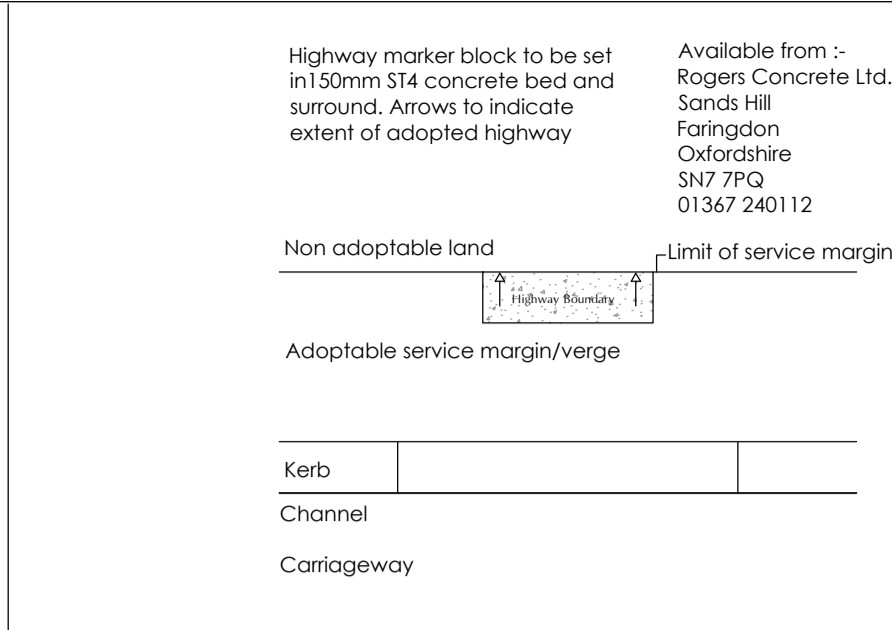
TABLE 2

single sized aggregate SIEVE SIZE (mm)	Percentage by mass passing %
14mm	100
10mm	98-100
6.3mm	80-99
2mm	0-25
1mm	0-5
0.063mm	0-2*

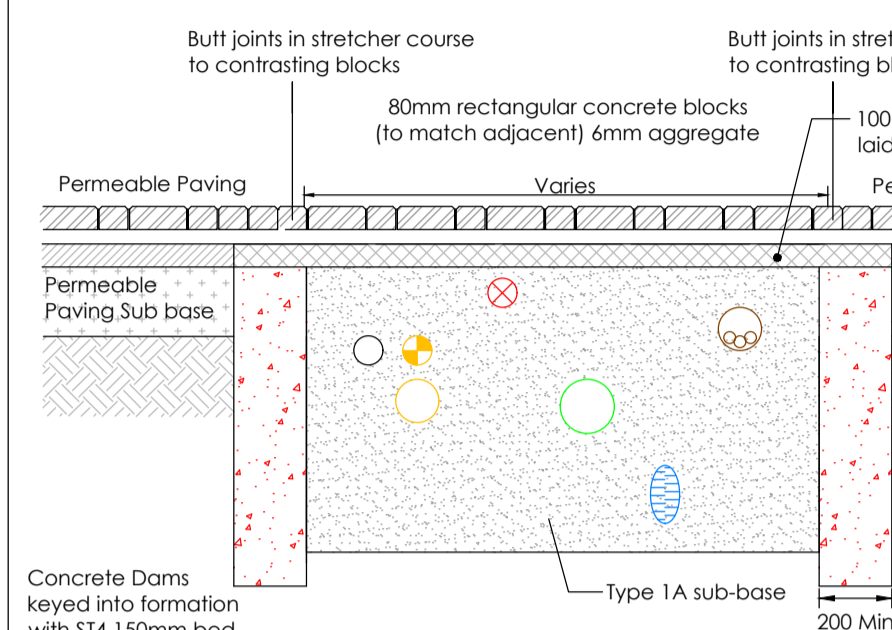
Grading for sub-base material for permeable paving pavements (BS EN 12620:2002 Gc 63/10 coarse aggregate)

* (BS EN 12620:2002 fines category F2) Grading for laying course material for permeable paving (BS EN 12620:2002 Gc 80/20 2/6.3 coarse aggregate)

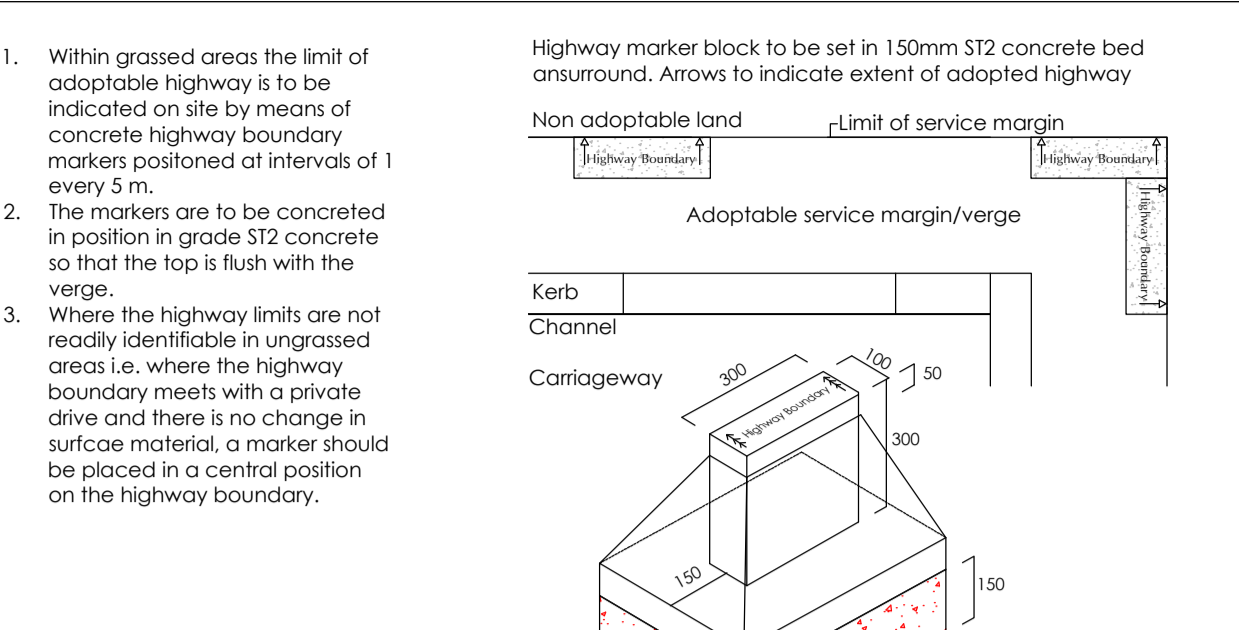
NOTE: 45° herringbone to be used on carriageways



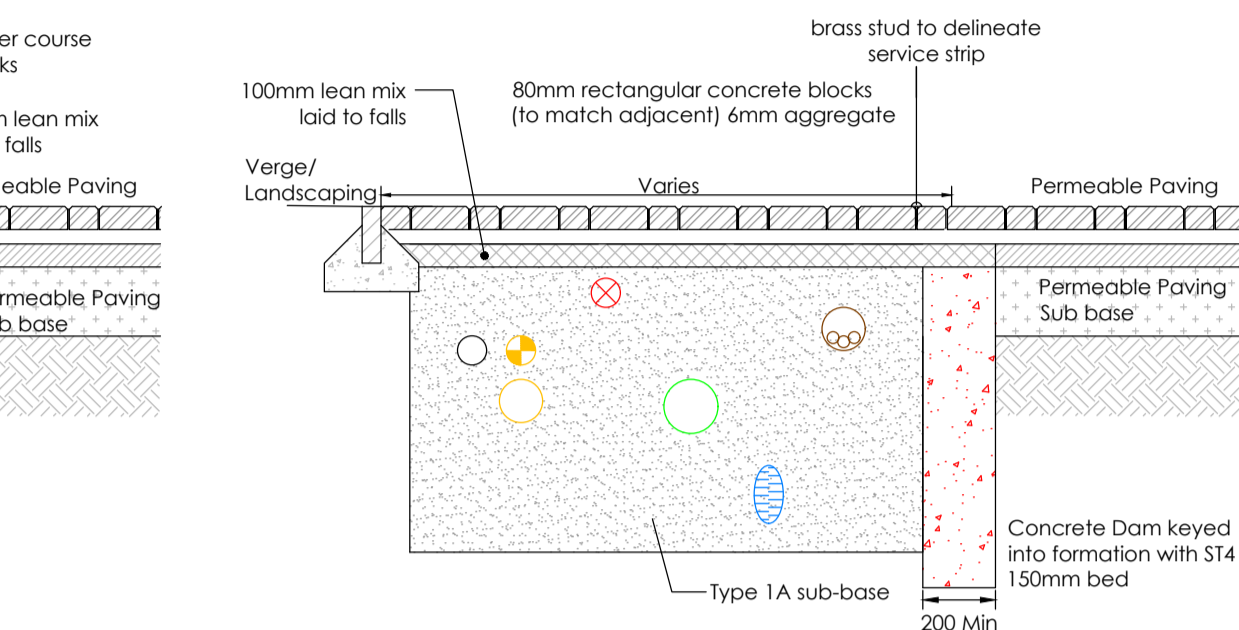
HIGHWAY BOUNDARY MARKER



PERPENDICULAR PAVED SERVICE TRENCH DETAIL



PARALLEL PAVED SERVICE TRENCH DETAIL



SUB-BASE DESIGN

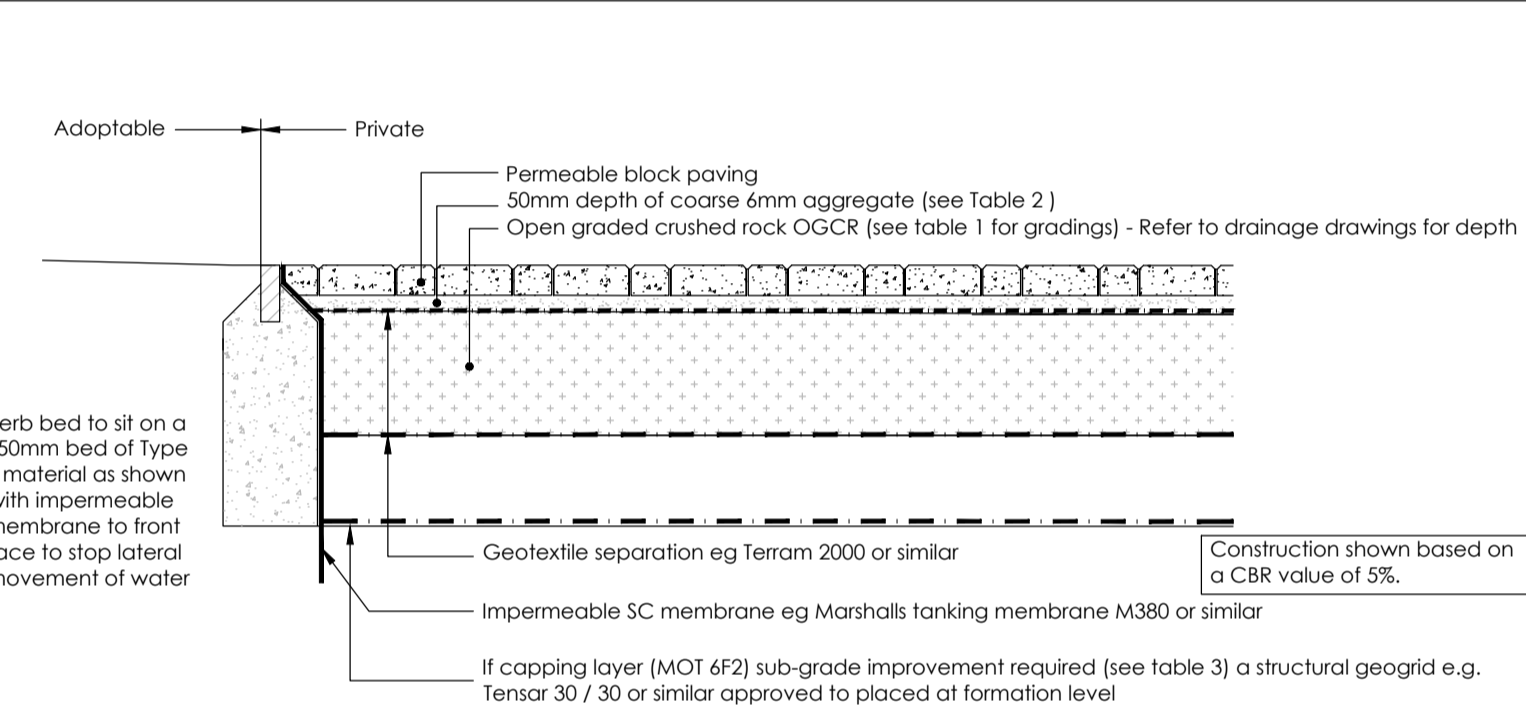


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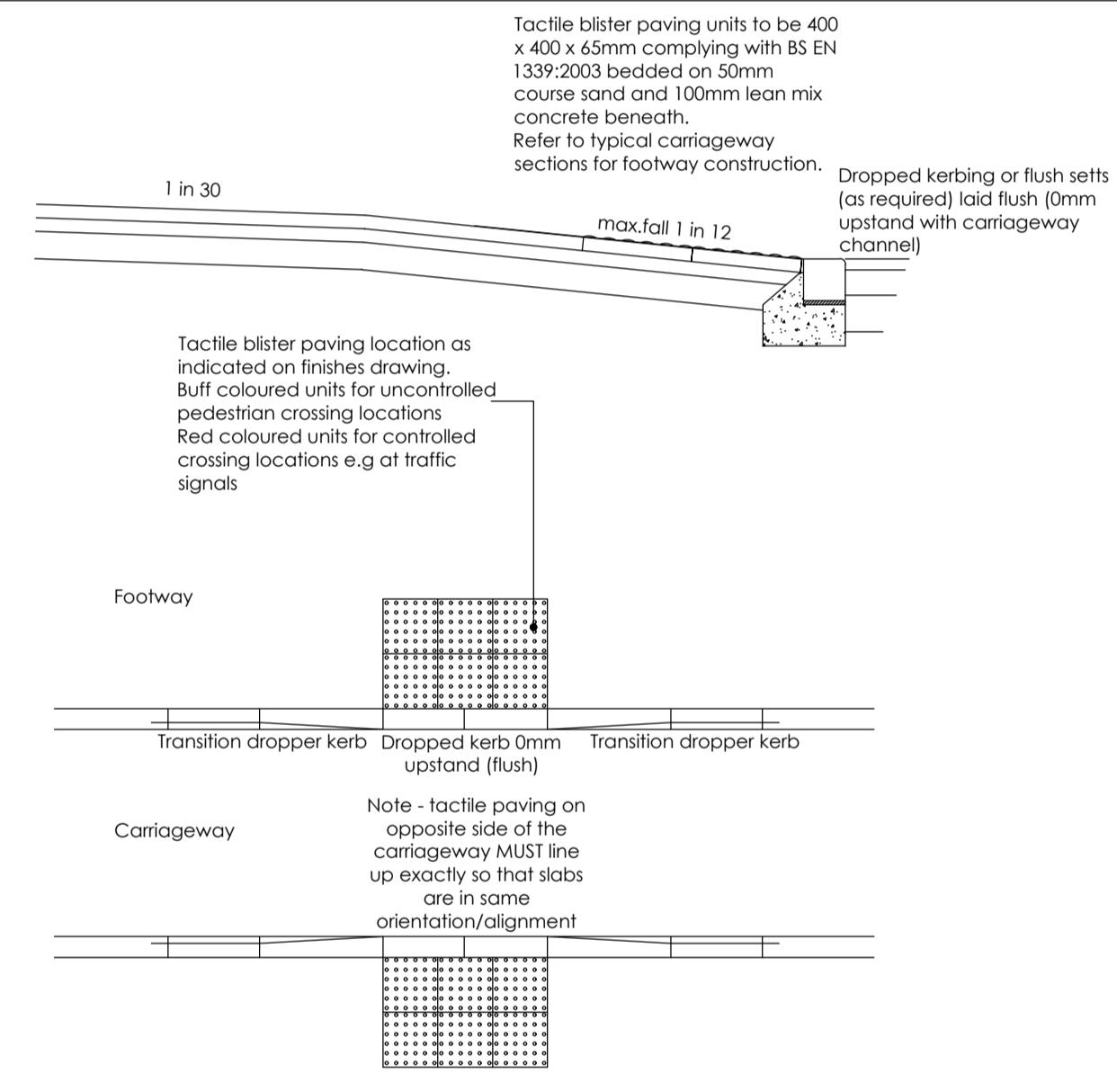
* (BS EN 12620:2002 fines category F2) Grading for laying course material for permeable paving (BS EN 12620:2002 Gc 80/20 2/6.3 coarse aggregate)

TABLE 3

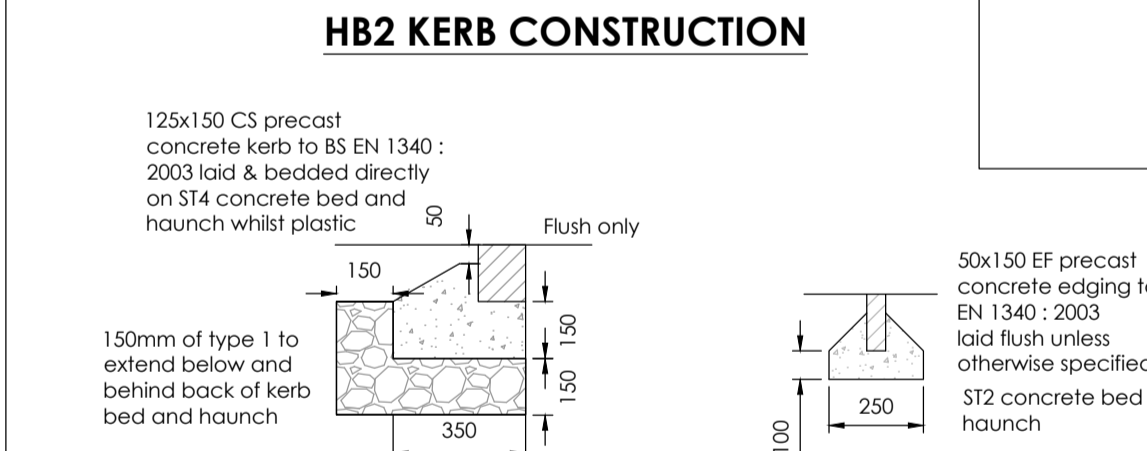
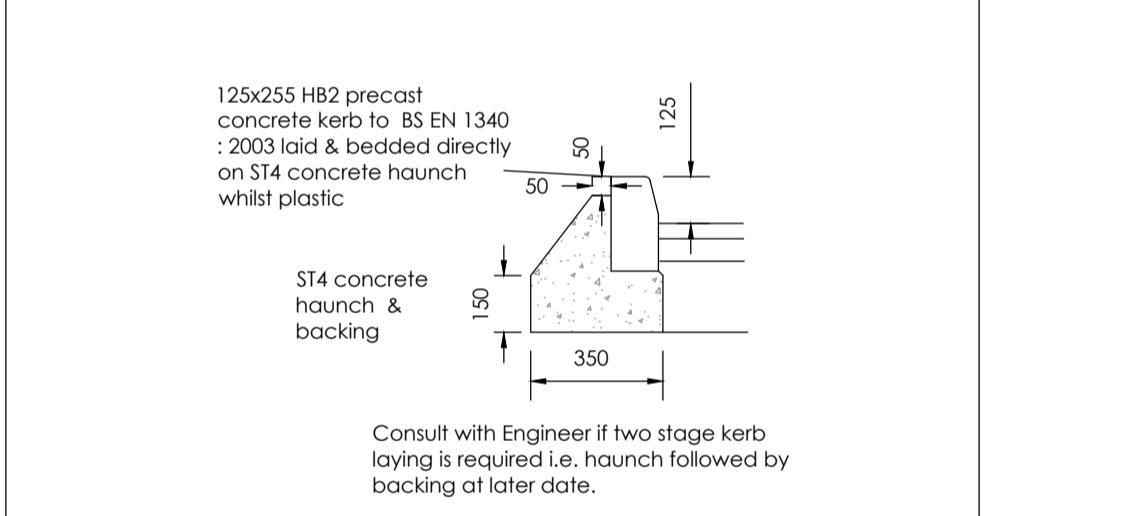
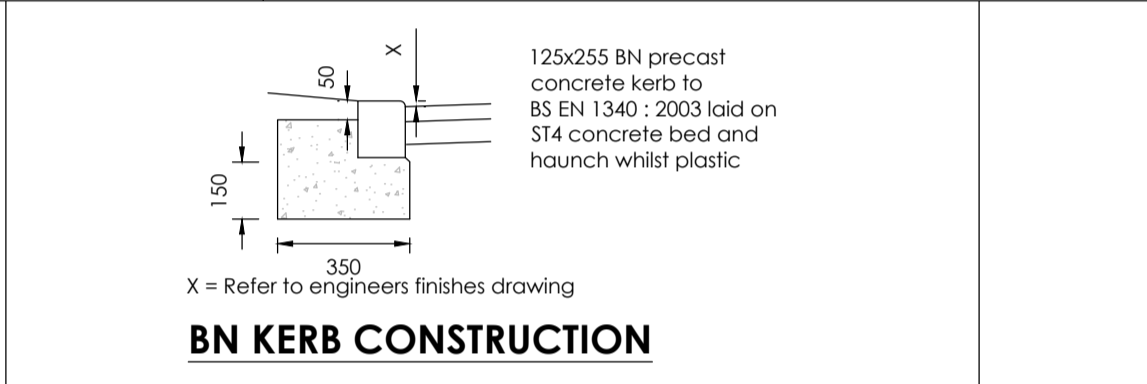
Subgrade CBR	Adjustment to thickness of open graded crushed rock course (mm)
>5%	0
5%	250
4%	275
3%	350
2%	450

Subgrade Improvement (Capping layer) Table for Low CBR Values.

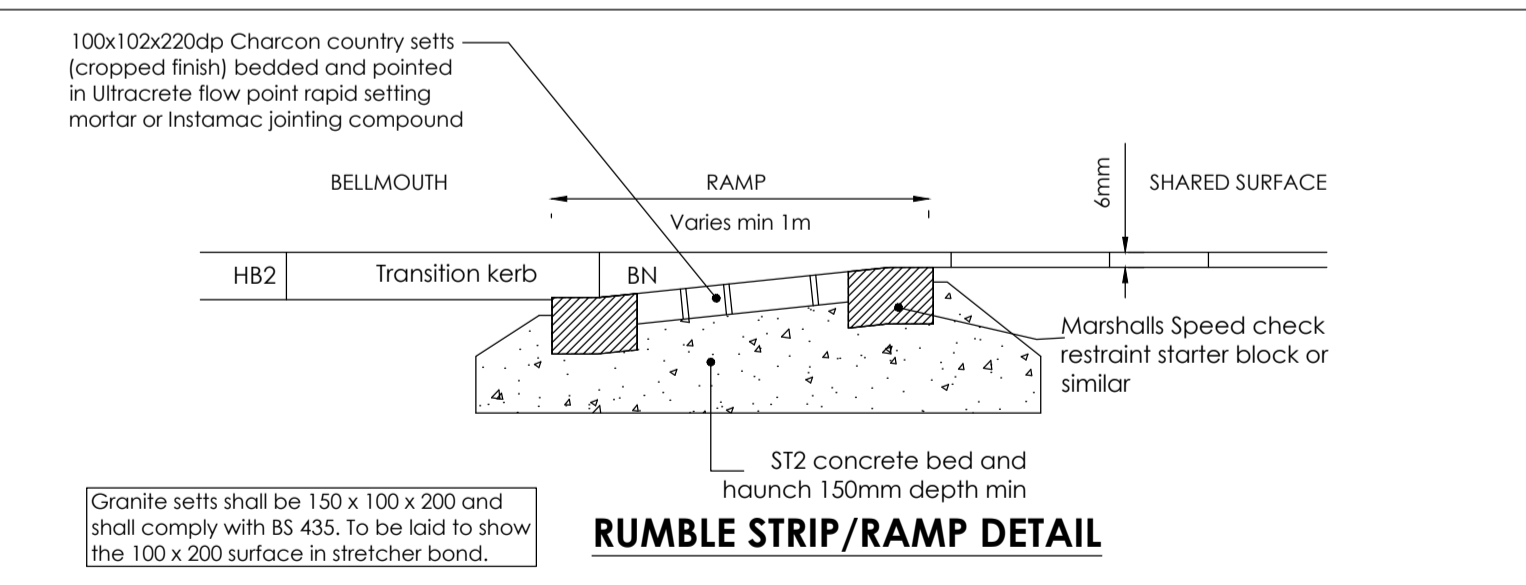
NON-ADOPTABLE PERMEABLE PARKING DETAIL - INFORMATION ONLY



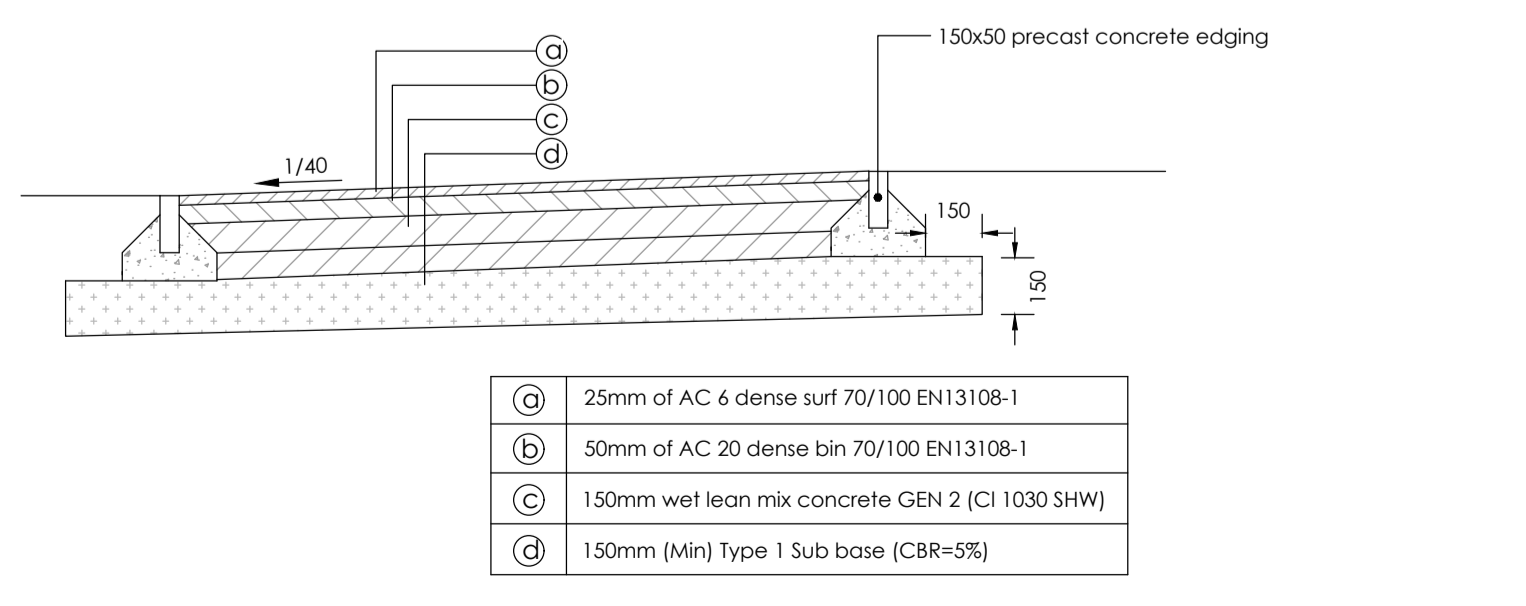
TACTILE PAVING PEDESTRIAN CROSSING DETAIL



125 x 150 CS KERB **50x150 EF PATH EDGING**



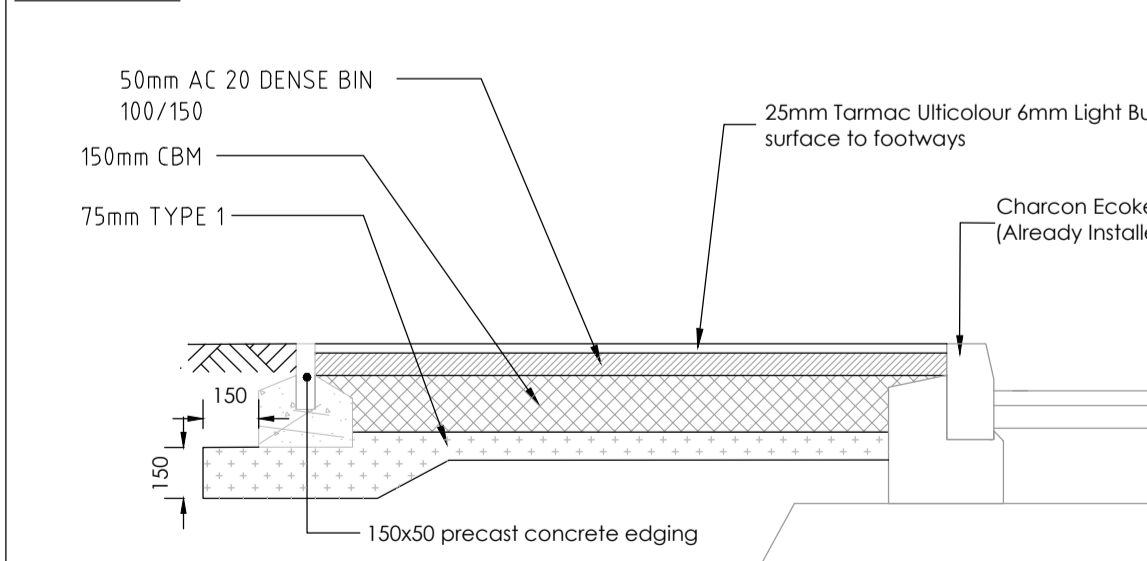
RUMBLE STRIP/RAMP DETAIL



BITMAC FOOTWAY DETAIL

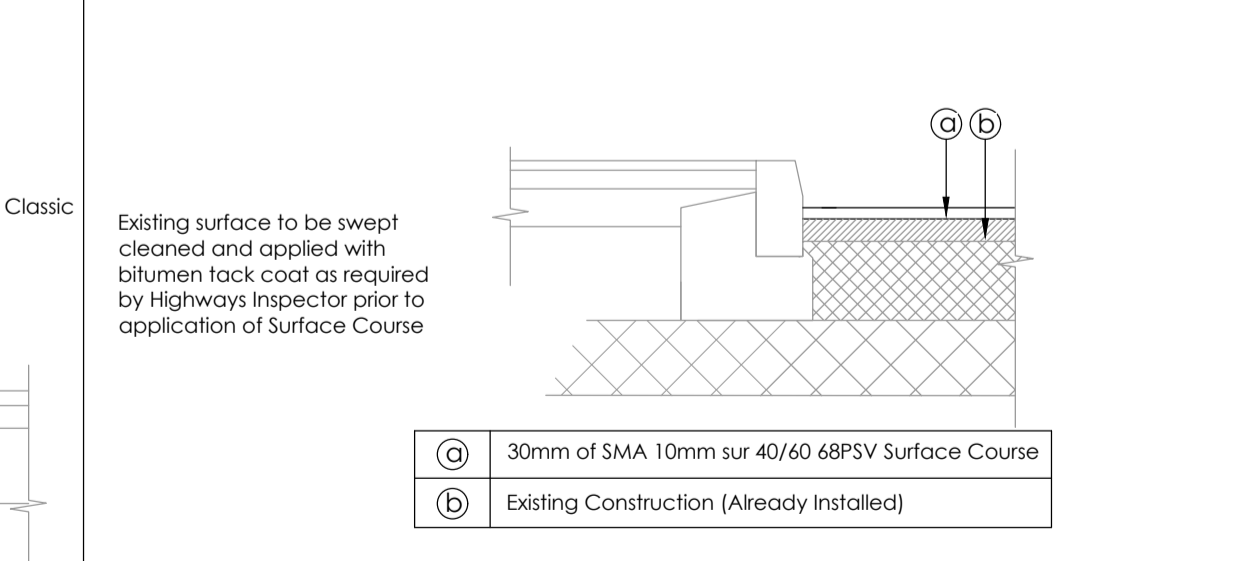
Ⓐ	25mm of AC 4 dense surf 70/100 EN13108-1
Ⓑ	50mm of AC 20 dense bin 70/100 EN13108-1
Ⓒ	150mm wet lean mix concrete GEN 2 (CI 1030 SHW)
Ⓓ	150mm (Min) Type 1 Sub base (CBR=5%)

DETAIL A



SPINE ROAD FOOTWAY DETAIL

DETAIL B



SPINE ROAD SURFACING DETAIL

- NOTES**
- All dimensions and levels are in metres unless otherwise noted.
 - This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDW documentation.
 - This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
 - This drawing contains coloured lines / information that may not be clear if reproduced in black and white.

Rev	Drawn by	Chk'd by	Comments	Date
C03	NJ	TST	Details A & B added	16/03/17
C02	ATD	TST	Rumble Strip Detail replaced	30/01/17
C01	ATD	TST	Issued for construction.	14/07/16
P01	ATD	TST	Initial issue	03/02/16

DRAWING TITLE
Adoptable Construction Details

PROJECT
Phase 2
Bicester Eco Village
Bicester
Oxon

DESIGNED BY TST	DRAFTED BY ATD	APPROVED BY DJ
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DATE
03/02/16

STATUS
FOR CONSTRUCTION
SUBJECT TO TECHNICAL APPROVAL

SCALE
1:20 @ A1

CLIENT
Hill **Infrastruct CS Ltd**

JOB NUMBER 15-1859	DRAWING NUMBER 10	REVISION C03
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