

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 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

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)

ADOPTABLE PERMEABLE PAVING CONSTRUCTION

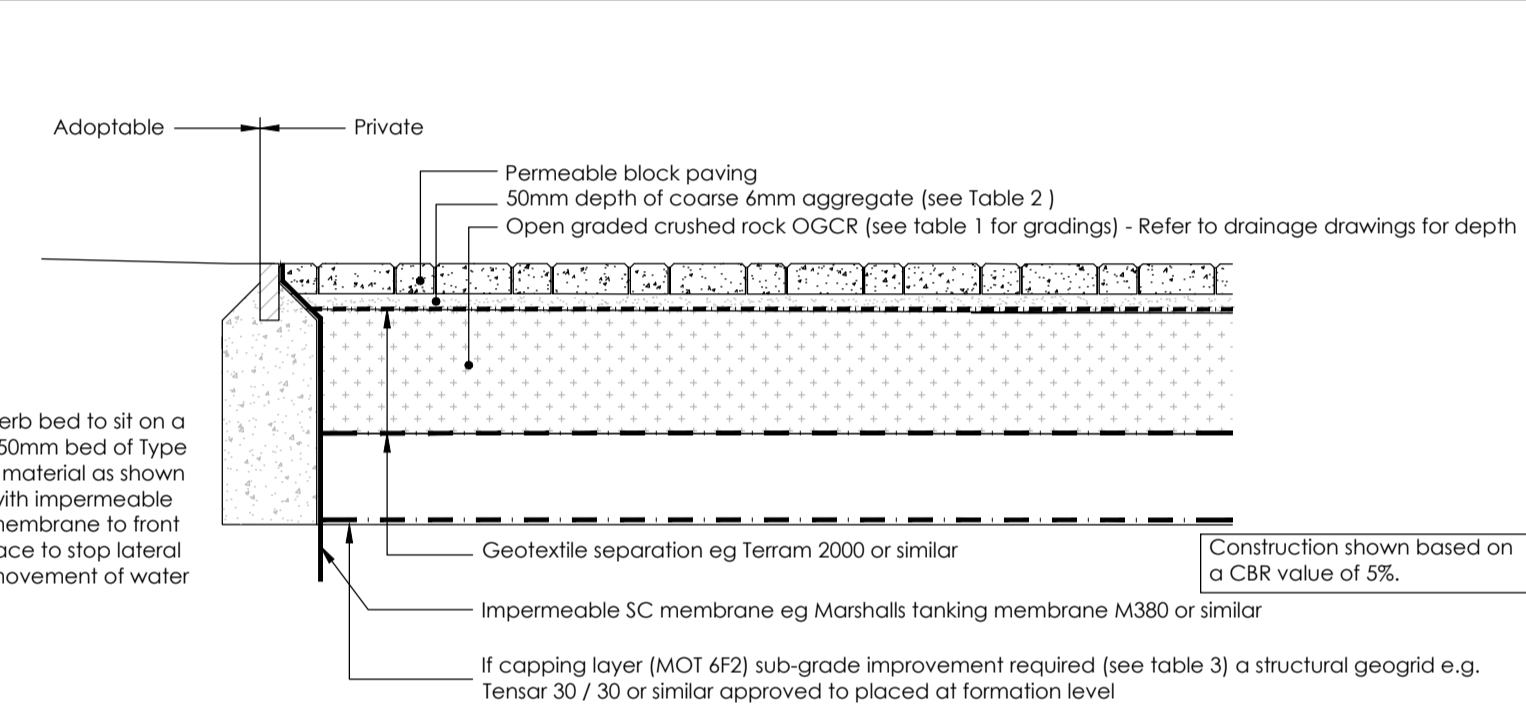


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100	100
63	90 - 100
40	60 - 80
20	15 - 30
10	0-5

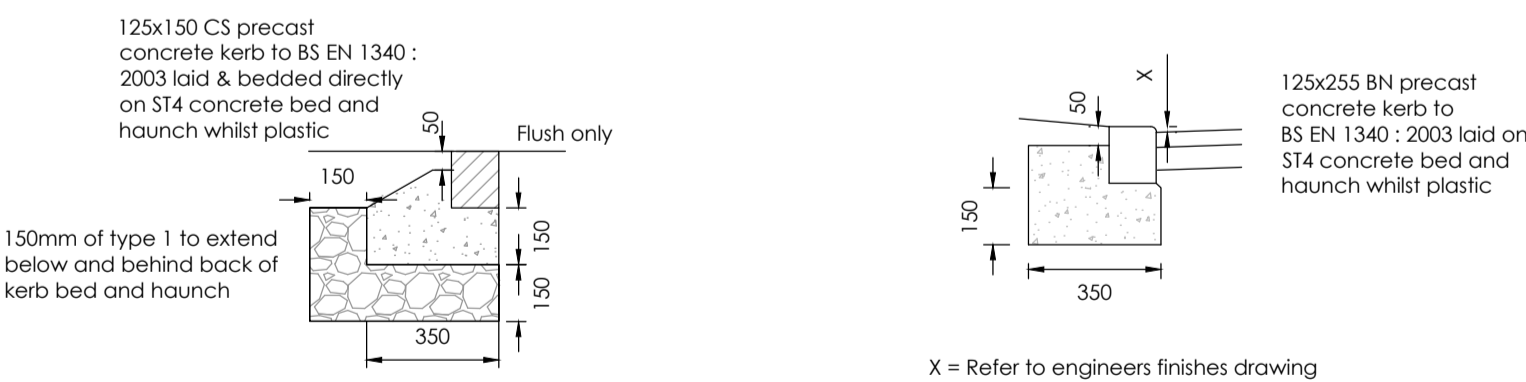
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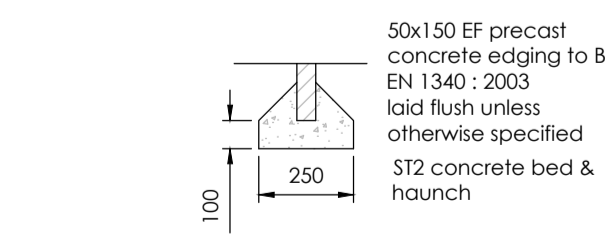
TABLE 3

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

NON-ADOPTABLE PERMEABLE PARKING DETAIL - INFORMATION ONLY



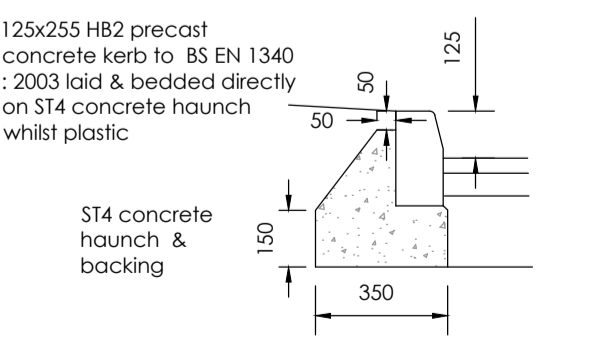
125 x 150 CS KERB



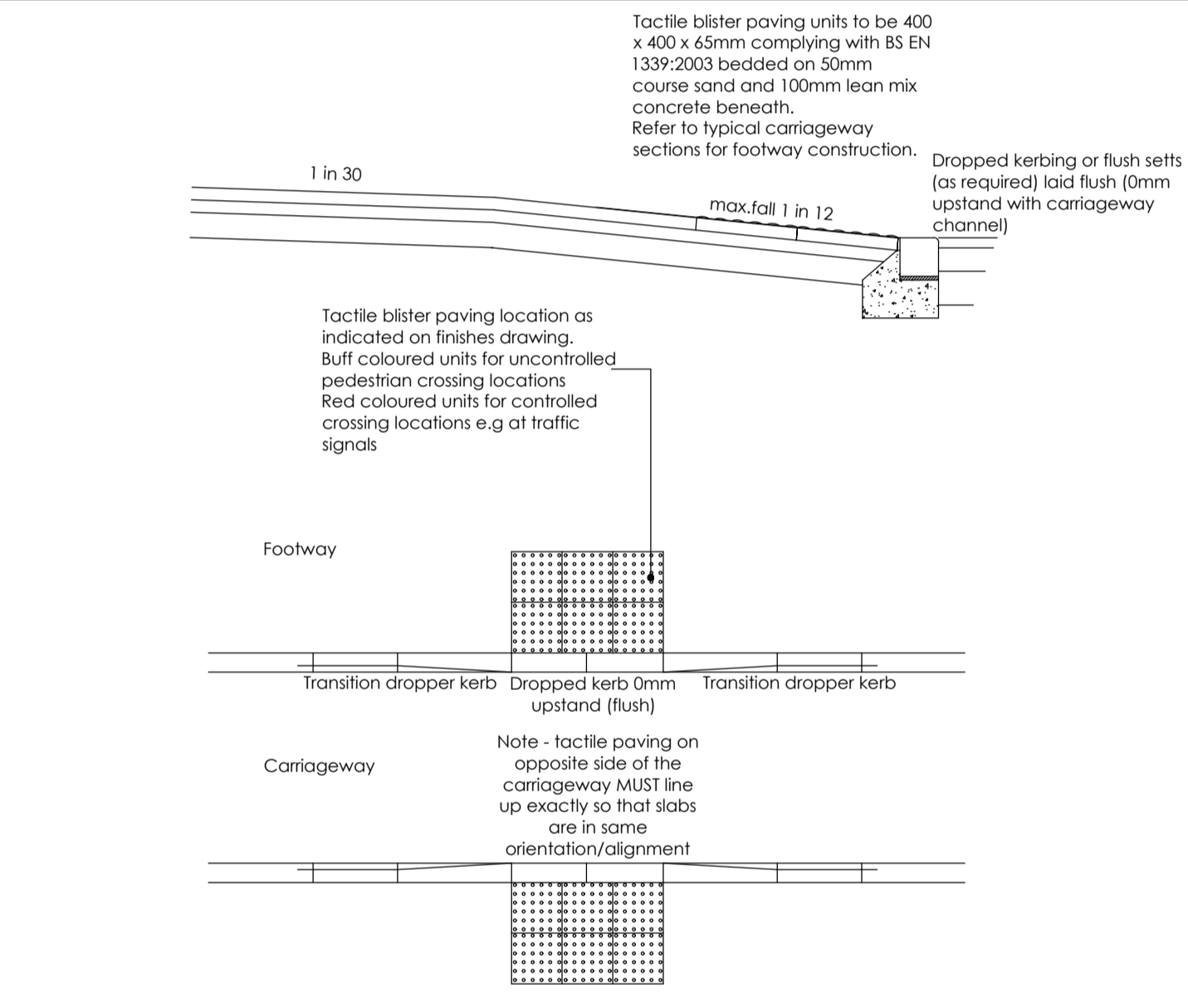
50x150 EF PATH EDGING



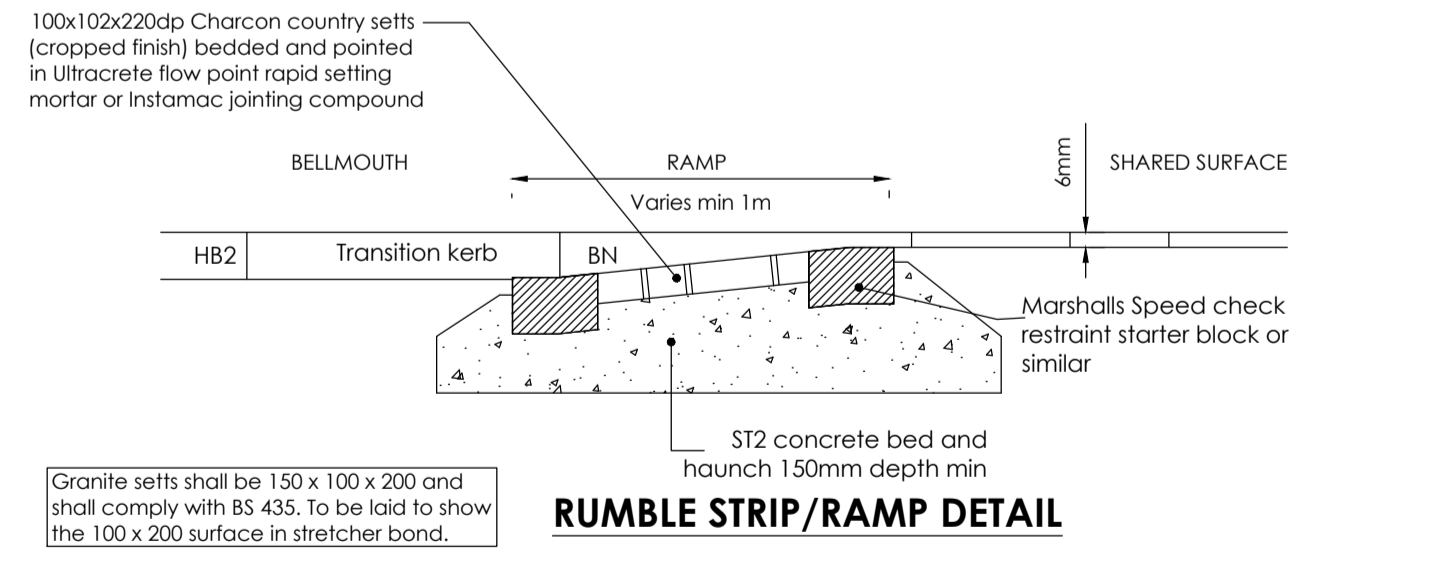
BN KERB CONSTRUCTION



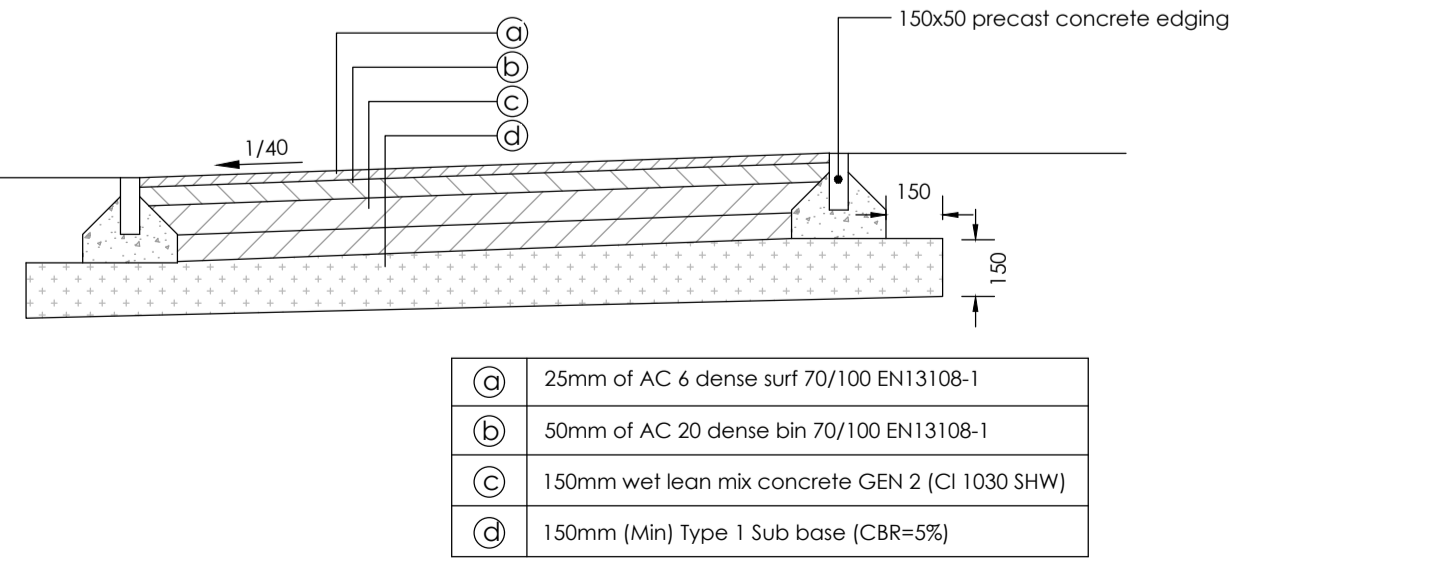
HB2 KERB CONSTRUCTION



TACTILE PAVING PEDESTRIAN CROSSING DETAIL

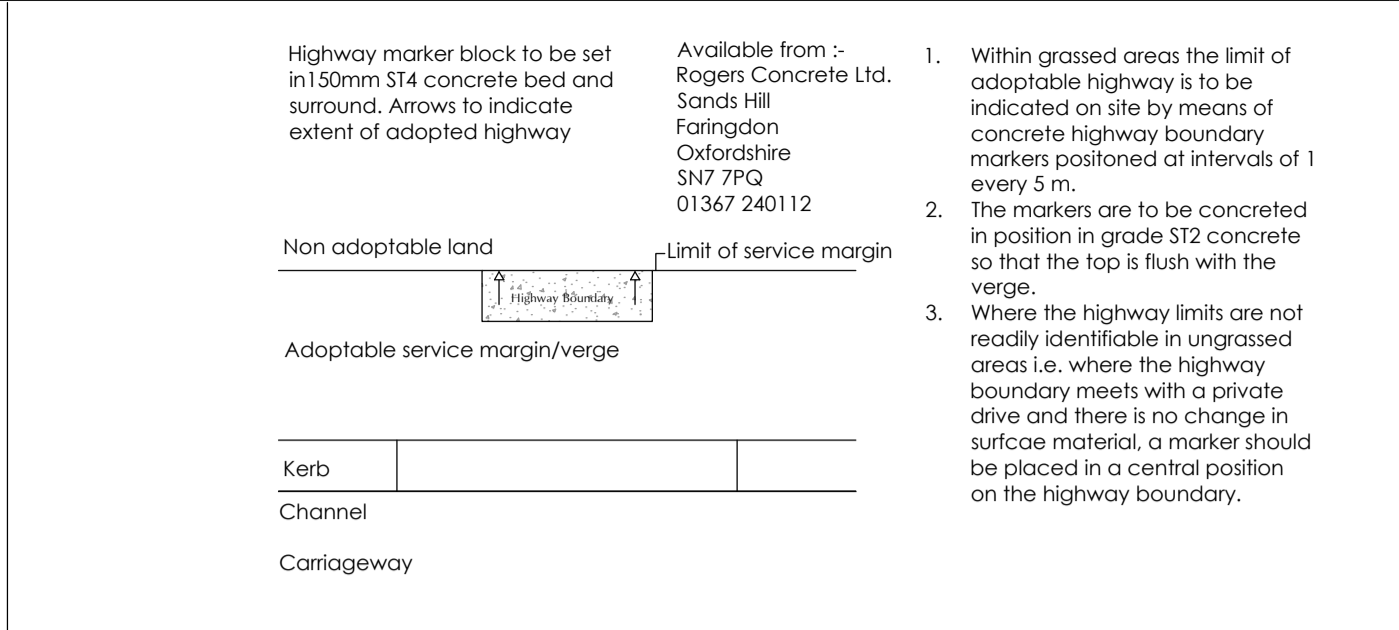


RUMBLE STRIP/RAMP DETAIL

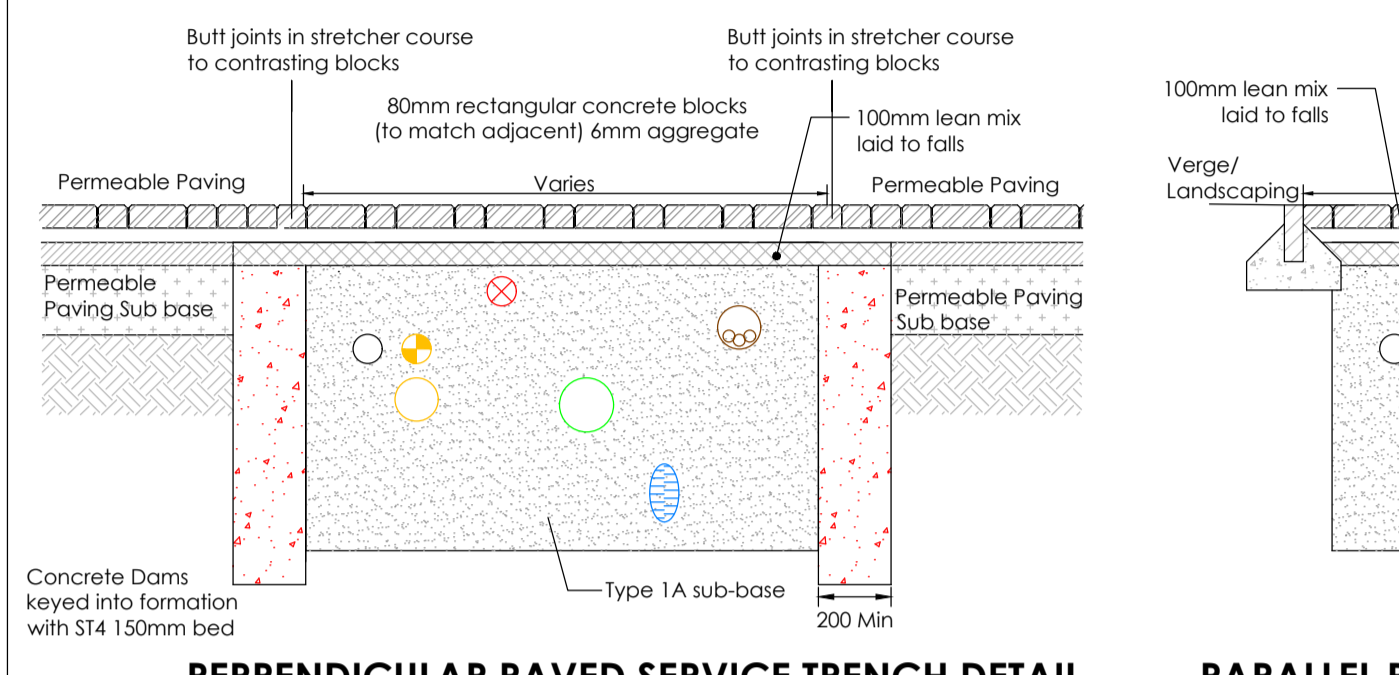


BITMAC FOOTWAY DETAIL

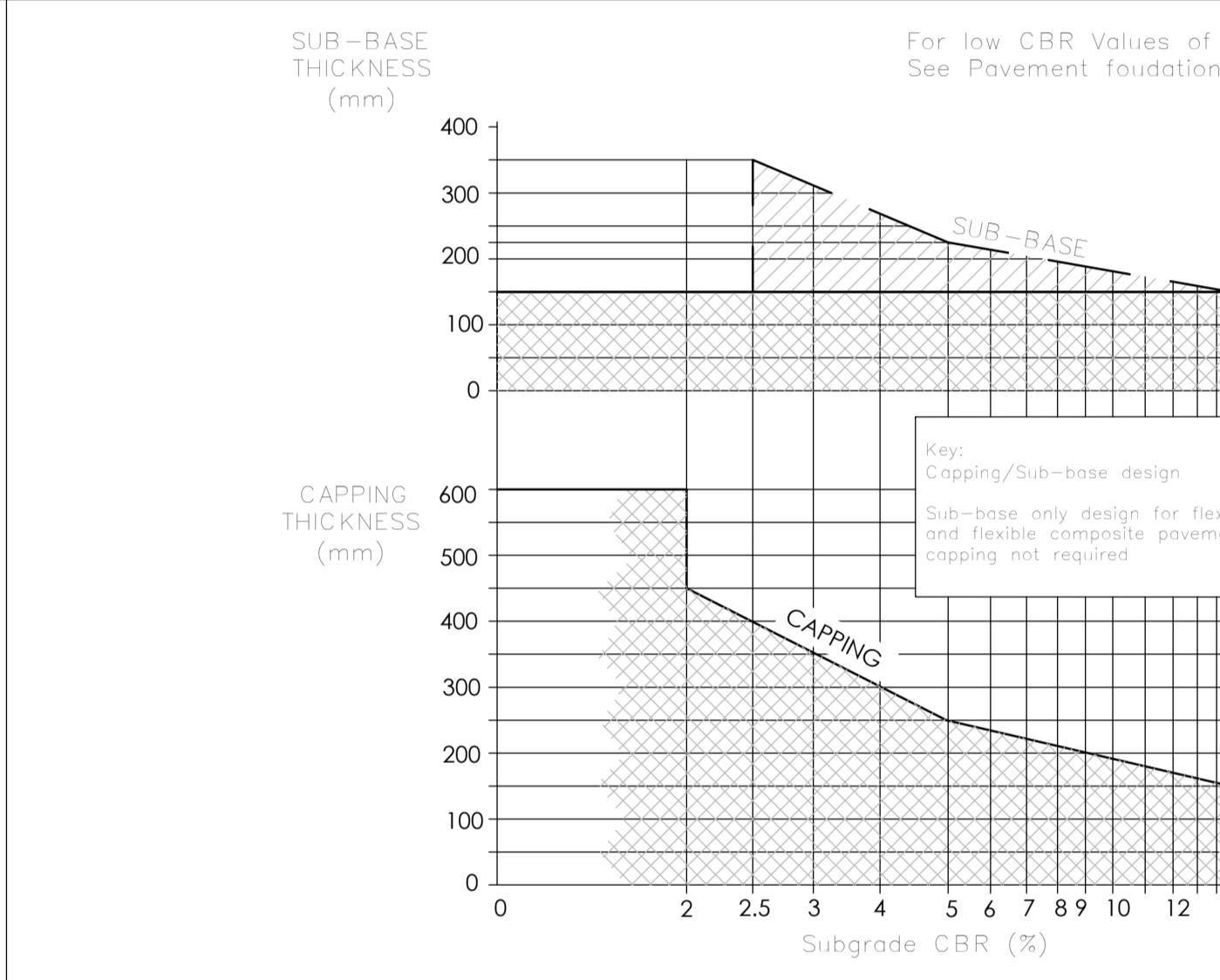
Ⓐ	25mm of AC 6 dense surf 70/100 EN13108-1
Ⓑ	50mm of AC 20 dense bin 70/100 EN13108-1
Ⓒ	150mm wet lean mix concrete GEN 2 (CI 1030 SHW)
Ⓓ	150mm (Min) Type 1 Sub base (CBR=5%)



HIGHWAY BOUNDARY MARKER



PERPENDICULAR PAVED SERVICE TRENCH DETAIL **PARALLEL PAVED SERVICE TRENCH DETAIL**

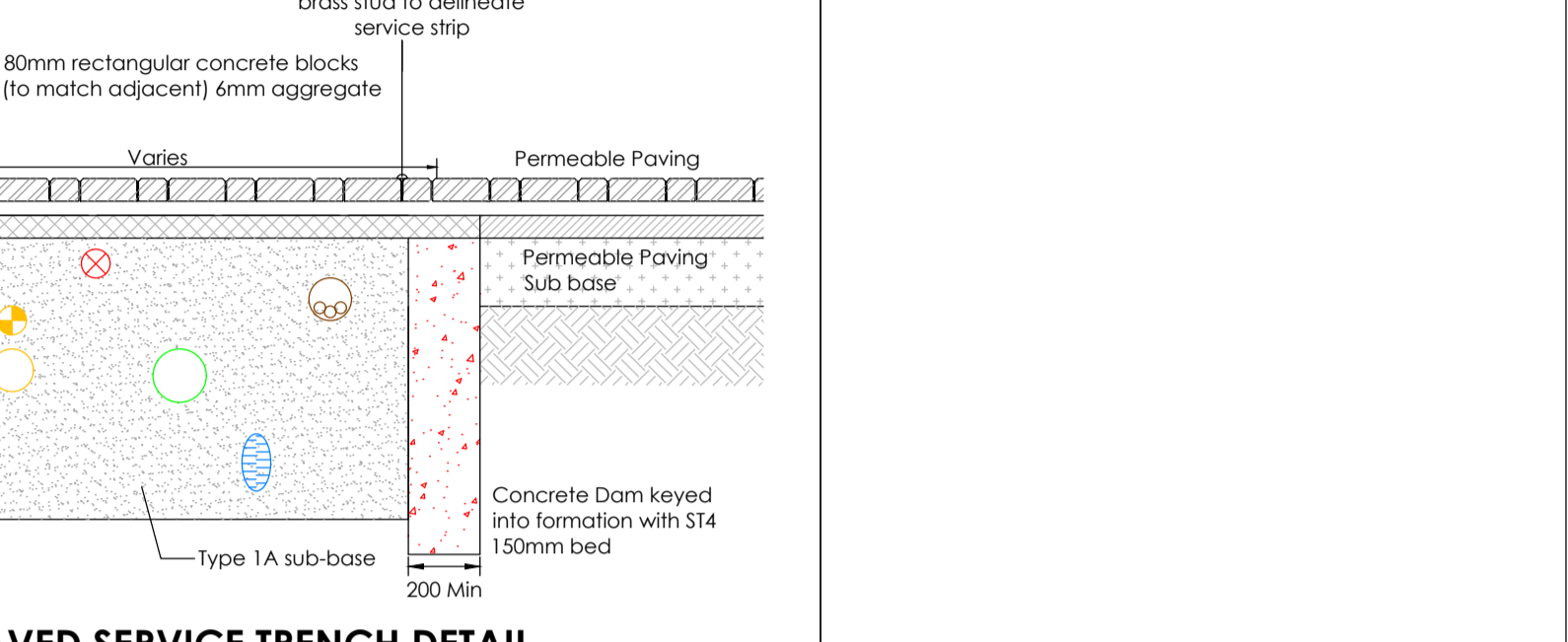
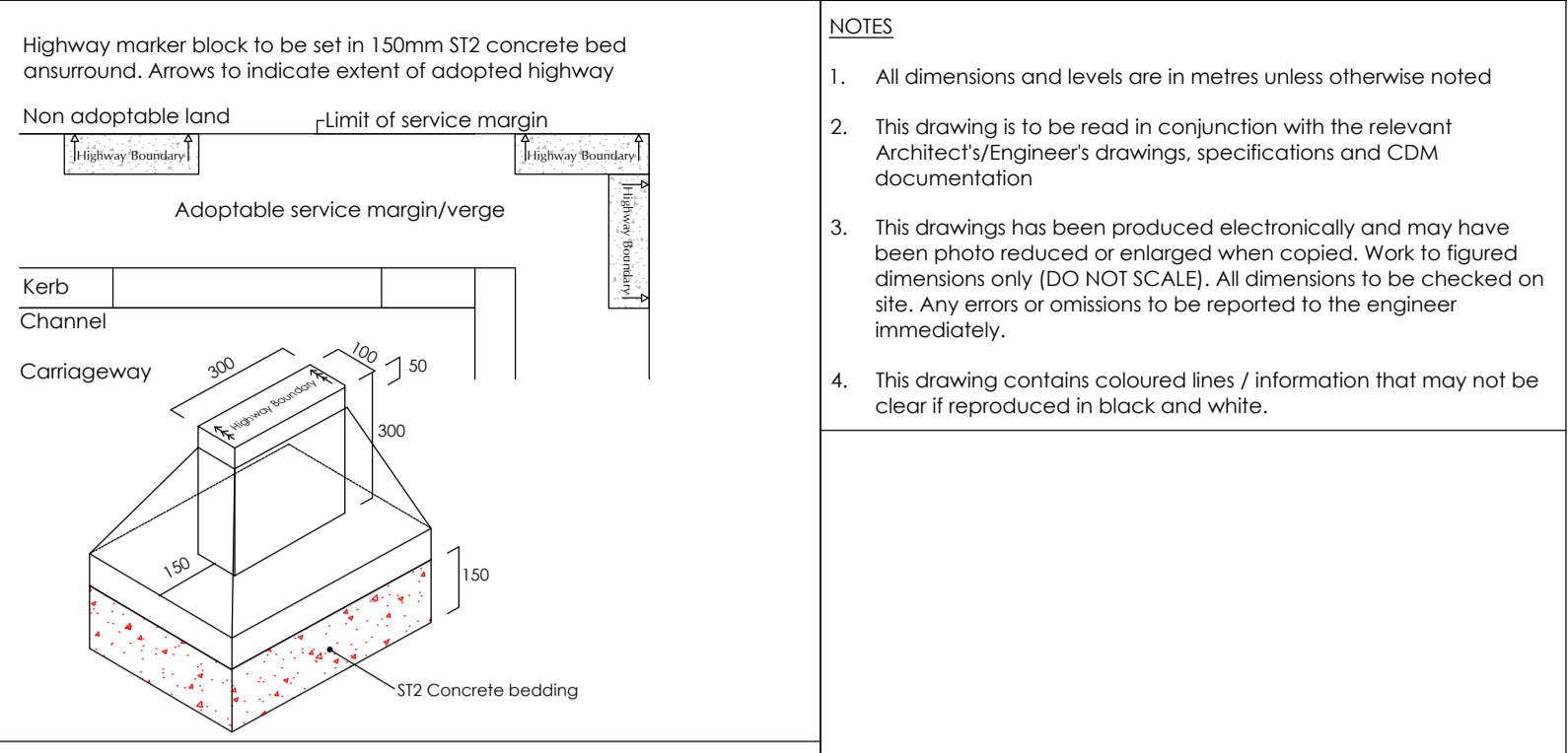


SUB-BASE DESIGN

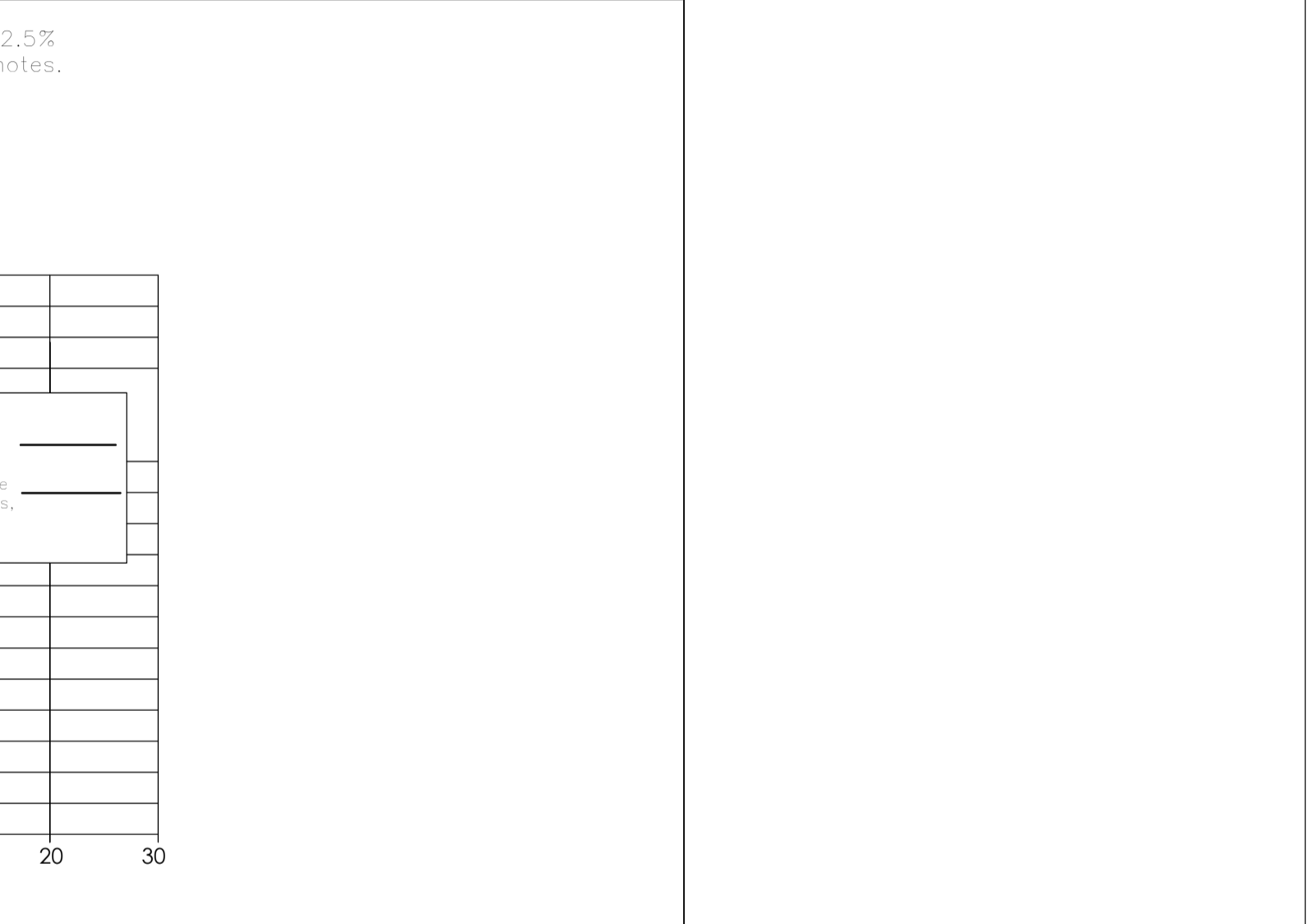
(NB: Oxfordshire County Council require min. 350mm sub-base for permeable road construction, regardless of CBR)
Highways Pavement Foundation Notes:
Pavement foundation depths based on GIS ground investigation report CBR values greater than 4.0%.
No carriageway with a CBR of less than 2.5% should be commenced without reporting to the designer (Infrastruct CS Ltd) and developer. All soft spots to be recorded and removed and back filled with 6F1 & 6F2 material and re-proof tested as required. Ground stabilisation works at formation levels will be required for CBR values less than 2.5%
Extent of carriageway replacement or remedial work to be confirmed, subject to developer and Highway Authority confirmation.



SERVICE COVER DETAIL

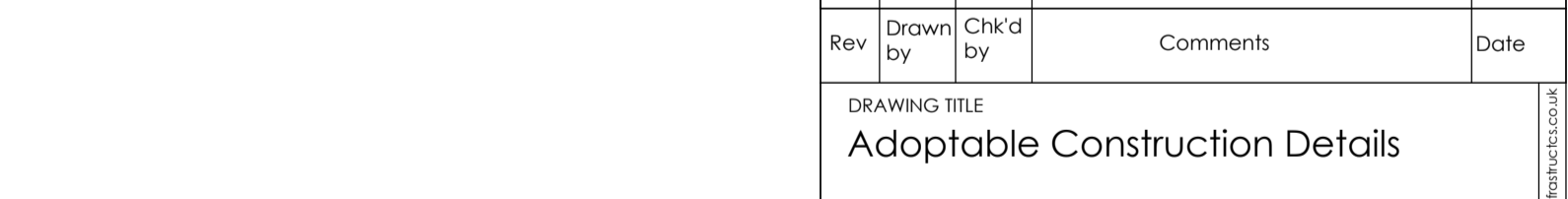


PARALLEL PAVED SERVICE TRENCH DETAIL



SUB-BASE DESIGN

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SERVICE COVER 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 CDM documentation
 - This drawings 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.

CO2	ATD	TST	Rumble Strip Detail replaced	30/01/17
CO1	ATD	TST	Issued for construction.	14/07/16
PO1	ATD	TST	Initial issue	03/02/16
Rev	Drawn by	Chk'd by	Comments	Date

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

SCALE
1:20 @ A1

CLIENT
Hill **Infrastruct CS Ltd**

JOB NUMBER 15-1859	DRAWING NUMBER 10	REVISION C02
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