

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

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

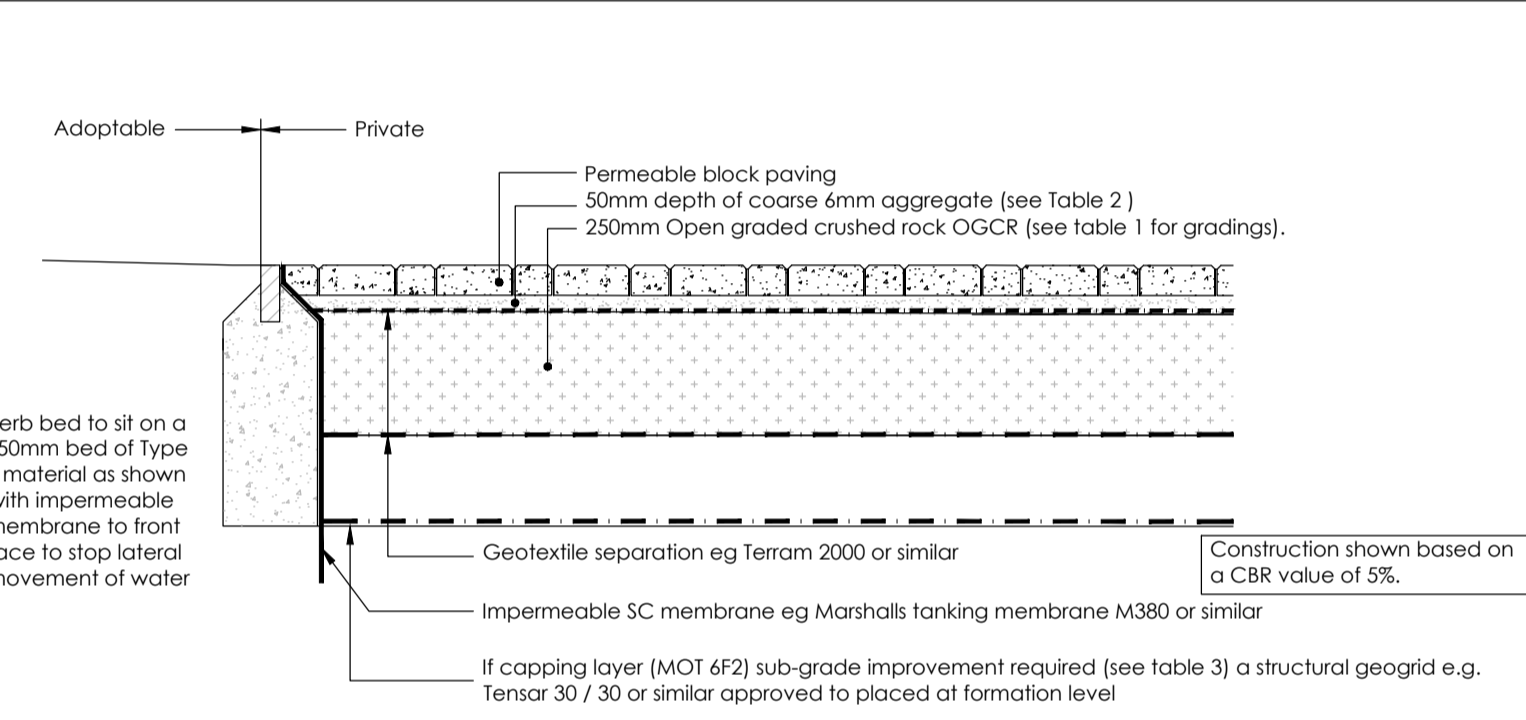


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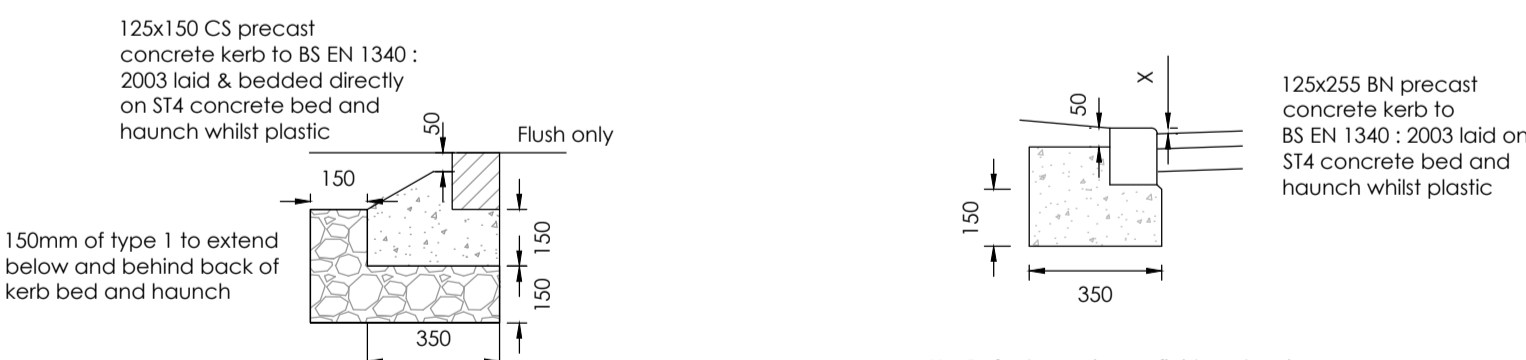
* (BS EN 12620:2002 fines category F2) Grading for laying course material for permeable paving (BS EN 12620:2002 Gc 80/20 2/6.3 coarse aggregate)

TABLE 3

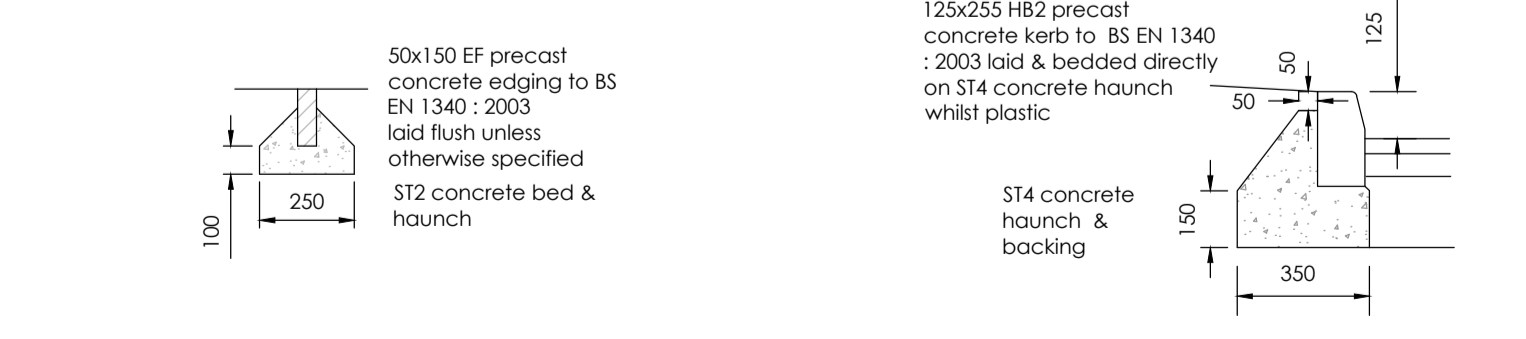
| Subgrade CBR | Adjustment to thickness of open graded crushed rock course (mm) |
|--------------|---|
| >5% | 0 |
| 5% | 250 |
| 4% | 275 |
| 3% | 350 |
| 2% | 450 |

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

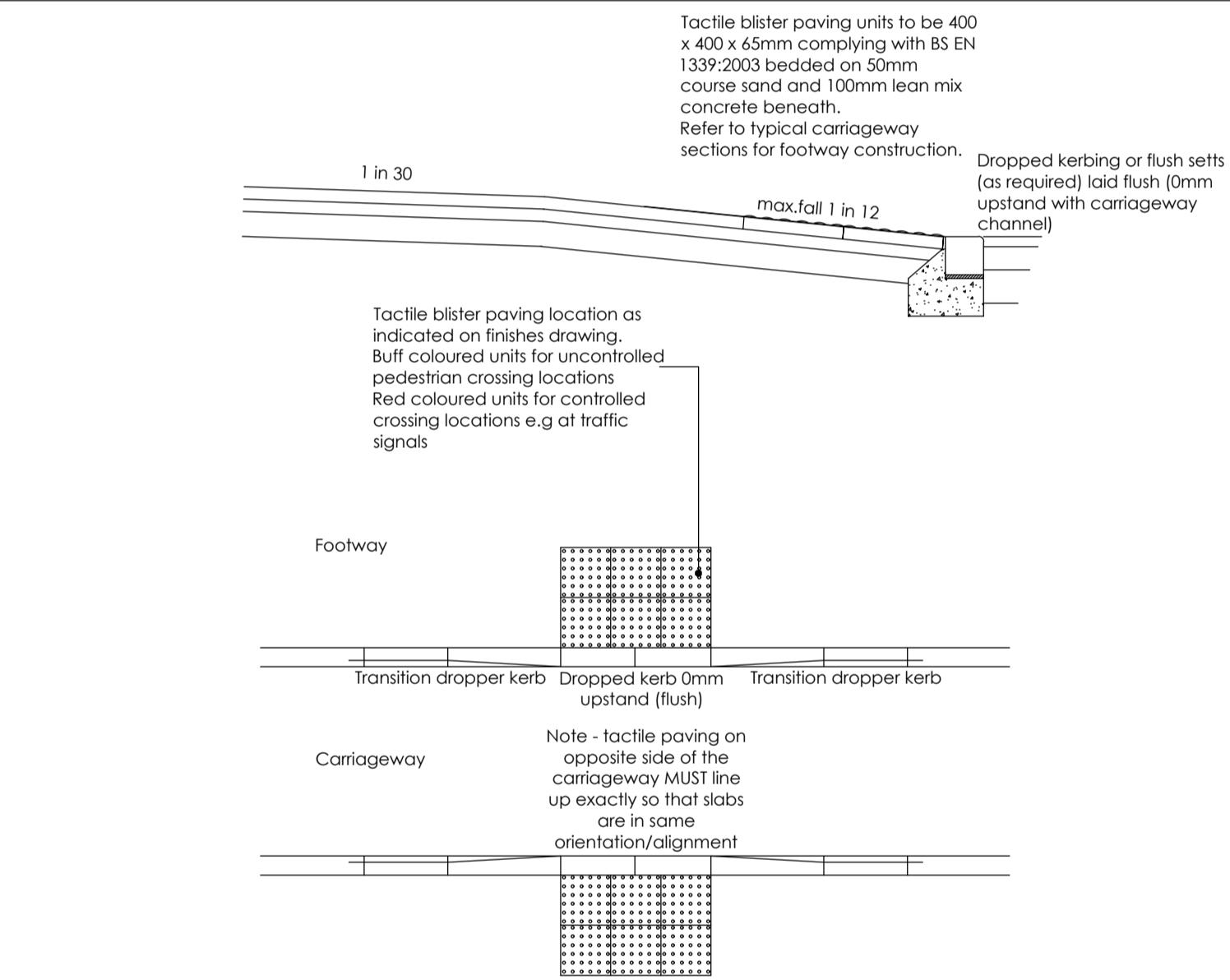
NON-ADOPTABLE PERMEABLE PARKING DETAIL - INFORMATION ONLY



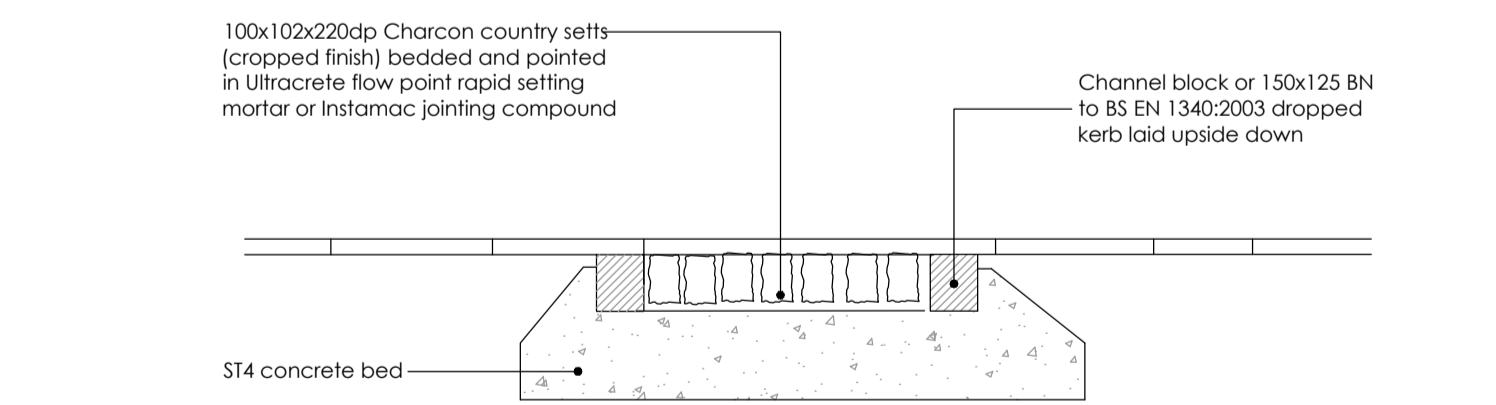
125 x 150 CS KERB



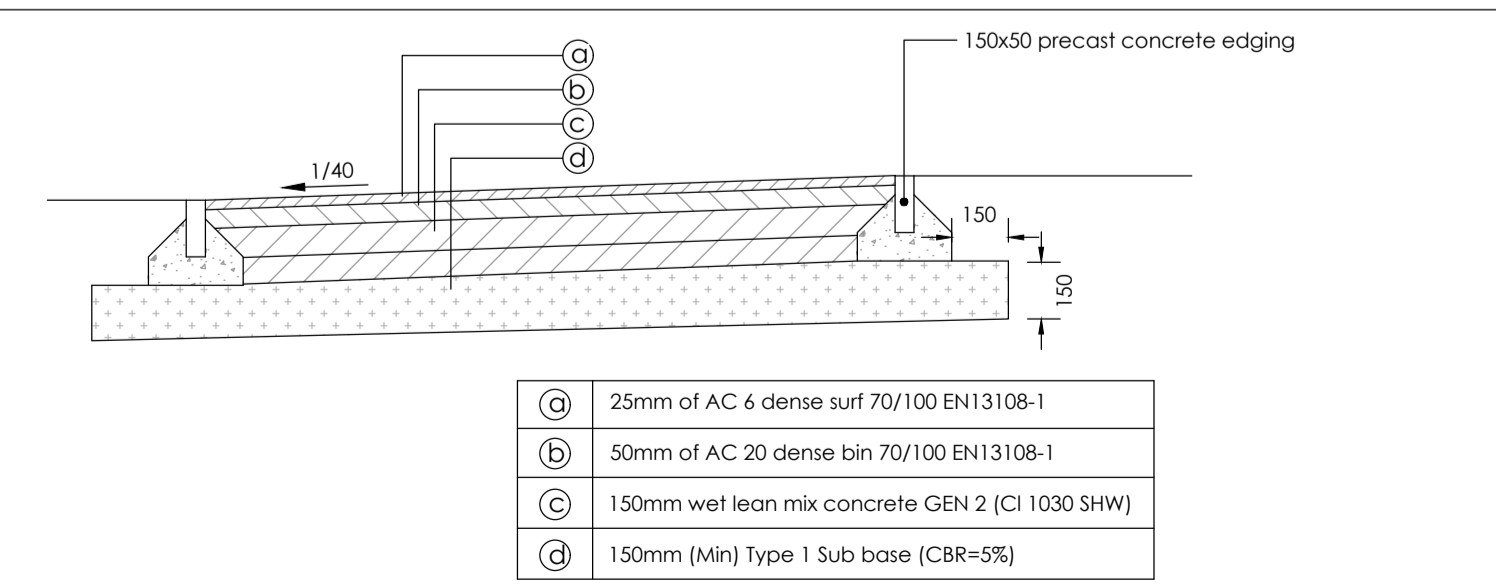
50x150 EF PATH EDGING



TACTILE PAVING PEDESTRIAN CROSSING DETAIL

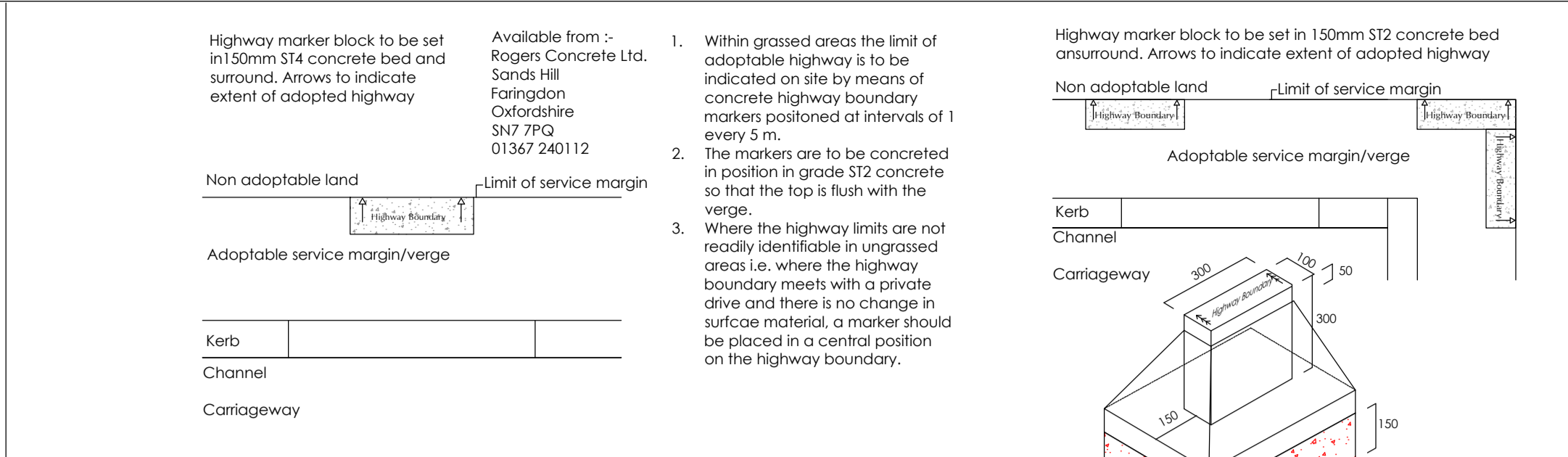


RUMBLE STRIP ENTRANCE DETAIL

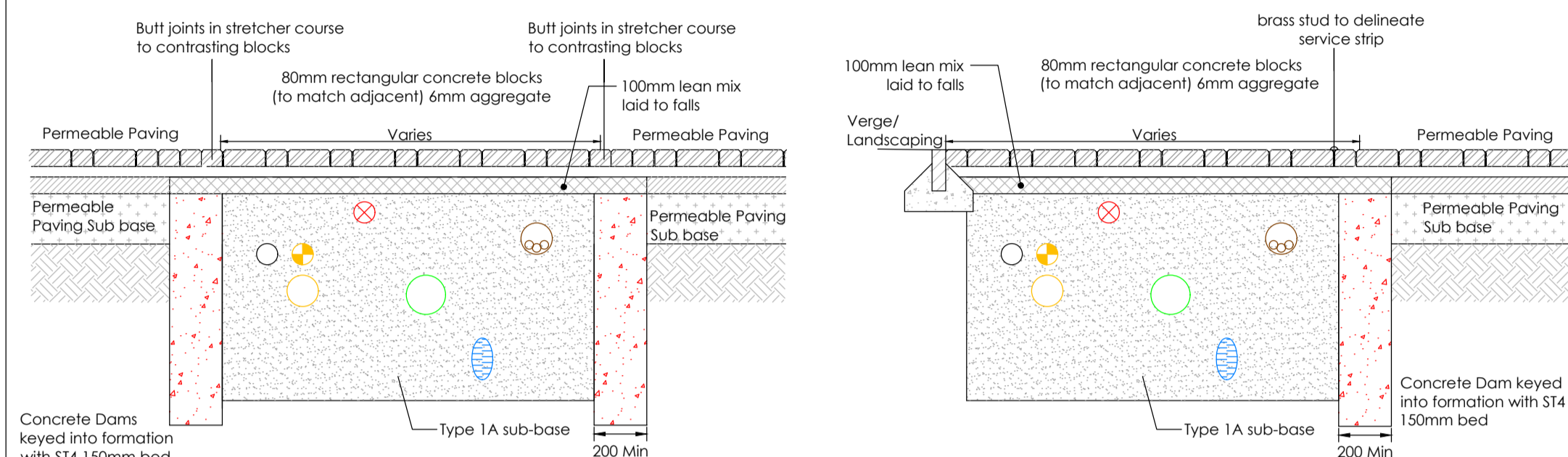


BITMAC FOOTWAY DETAIL

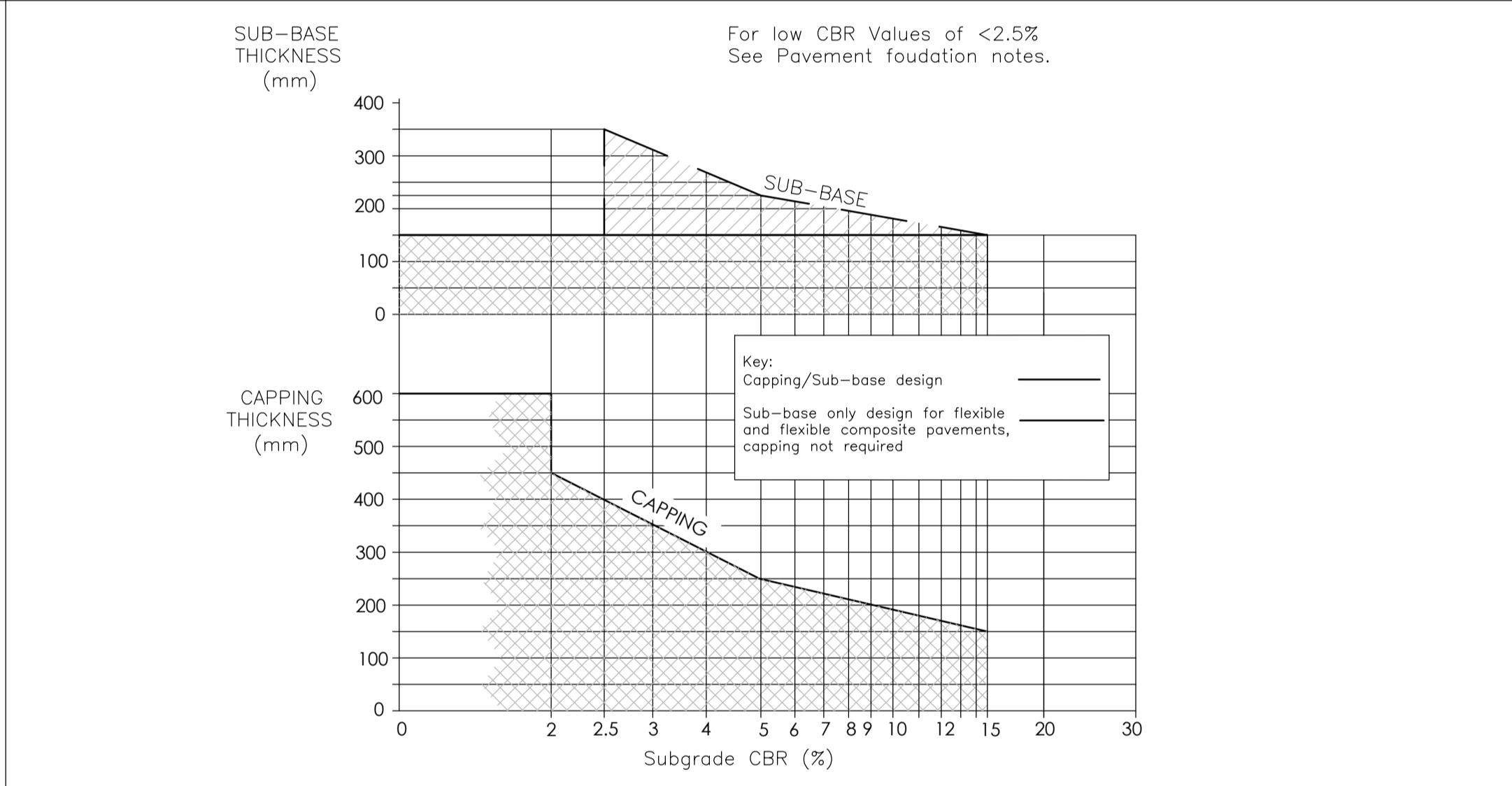
| | |
|-----|---|
| (A) | 25mm of AC 6 dense surf 70/100 EN13108-1 |
| (B) | 50mm of AC 20 dense bin 70/100 EN13108-1 |
| (C) | 150mm wet lean mix concrete GEN 2 (CI 1030 SHW) |
| (D) | 150mm (Min) Type 1 Sub base (CBR=5%) |



HIGHWAY BOUNDARY MARKER



PERPENDICULAR PAVED SERVICE TRENCH DETAIL PARALLEL PAVED SERVICE TRENCH DETAIL



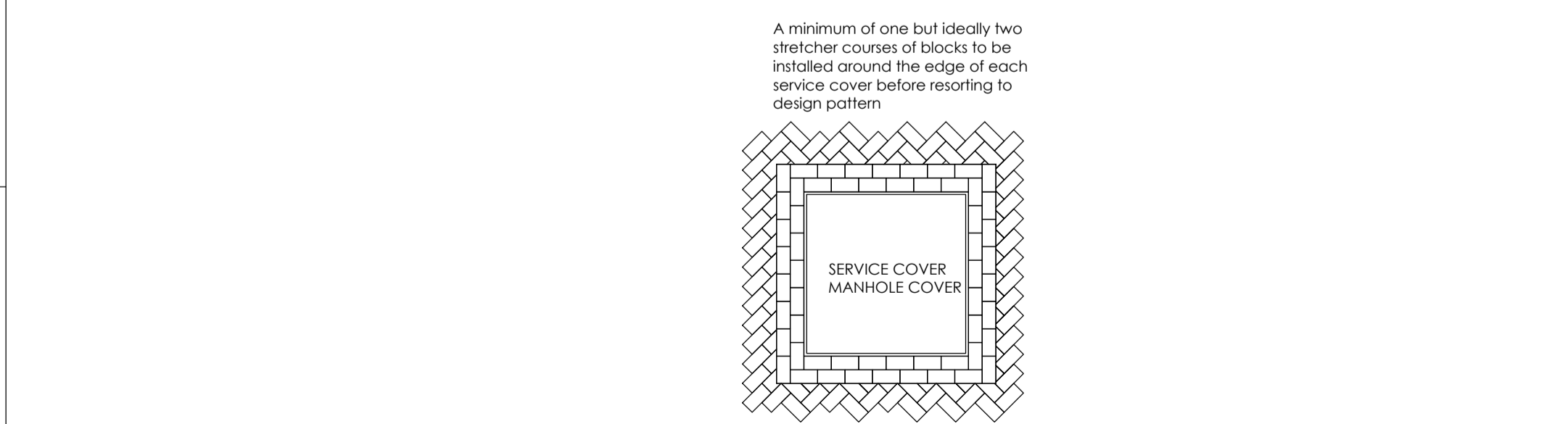
SUB-BASE DESIGN

(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.

CBR Notes: In-situ CBR testing required at 30m centres



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 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.

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|---|-------------------------------|--------------------|---------------|----------|
| POI | 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 | DRAFTED BY | APPROVED BY | | |
| TST | ATD | DJ | | |
| DATE | STATUS | | | |
| 03/02/16 | SUBJECT TO TECHNICAL APPROVAL | | | |
| SCALE | 0m 0.5m 1.0m | | | |
| 1:20 @ A1 | Scale Bar @ 1:20 | | | |
| CLIENT | | | | |
| Hill | | Infrastruct CS Ltd | | |
| JOB NUMBER | DRAWING NUMBER | REVISION | | |
| 15-1859 | 10 | P01 | | |