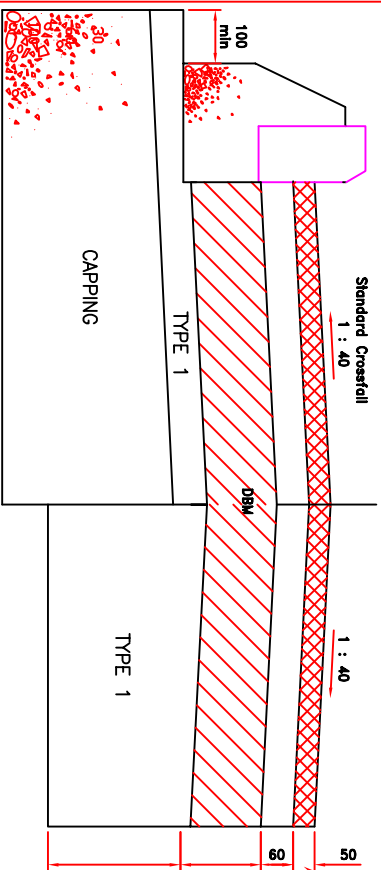




HRA 35/14F surface course with 14/20mm precoated chippings (40/60 binder) or
AC 10 close graded surface course (100/50 pen binder) 30mm thick see note 17
Dense AC 20 binder course (40/60 pen binder)
130 AC 32 dense base (40/60 pen binder)

Granular Sub base material Type 1 (see note 12 and 17)
Thickness dependant on CBR of sub-grade

CBR of sub-grade (%)	<=2	<=5	<=15	<=30	>30
Thickness mm	750	500	225	150	0

Minimum total thickness 450 if sub-grade is frost susceptible

PAVEMENT CONSTRUCTION THICKNESS MUST BE SUITABLE FOR THE ANTICIPATED TRAFFIC LOADINGS AND LOCATION

NOTES:

- Alternative or lower grade binders shall only be used with the approval of the overseeing organisation
- Where the normal size of the aggregate has not been specified the developer shall comply with the particular requirements regarding depths of course and size of aggregates in the appropriate British Standard
- When the surface course is not laid immediately after the binder course. The base course shall be blinded with coated grit complying with BS EN 13108 and BS 594987
Coated grit to be applied to the surface course where directed by the engineer
- When the surface course is not laid immediately after the binder course, a coat complying with K1-60 of BS 434 Part 1 shall be applied at uniform rate of spread of 0.15kg/m² prior to laying the surface course
- When the binder course is not laid immediately after the roadbase, a tack shall be applied as above
- The aggregate in surface course materials shall have a minimum polished stone value of 60 and a maximum aggregate abrasion value of 14
- Gravel aggregate will not be permitted in asphaltic concrete
- Linestone aggregate will not be permitted in surface course material or binder course material which is to be trafficked
- HRA must comply and be laid in accordance with BS EN 13108 and BS 594987
- Asphaltic concrete must comply and be laid in accordance with BS EN 13108 and BS 594987
- Coated chippings shall have a minimum psv of 65 and a maximum AAV of 14
- Type 1 material with crushed gravel aggregate shall not be used in the top 150mm below base course level unless permitted by the overseeing organisation. Then the developer shall demonstrate its suitability together with the compaction plant he proposes to use by completing a trial area. The overseeing organisation reserves the right to reject any material which is outside the specified gradings and any cost in relation to trial areas, whether the material and the method of compaction is approved or rejected, shall be met by the developer.
- Manhole covers should be set to finished level until the binder course is laid
- 150 concrete road base CBGMC class C 3/4 to BS EN 14227 may be used in areas where the use of a paving machine is not practicable
- Design life for all pavement options shall be 40 years. HD24 (DMRB 7.2.1)
- Any different design to comply with HD26 (DMRB 7.2.3)
- Carriageway construction thickness to be designed for predicted MSA figures and surface course.
- Where required by the overseeing organisation coated grit shall be applied to the surface course
- Base material shall have a minimum stiffness modulus of 2.5 GPa when using performance specified material.
- Laybys and hardstandings shall be surfaced with black paving to the approval of overseeing organisation.
- Instead of HRA the surface course system may be used with the approval of the overseeing organisation provided an appropriate HAPAS certificate is supplied. Only modified binders shall be used. Minimum wheel tracking shall be level 4

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West Berkshire Council UN000721



Highways and Transport
Council Offices
Faraday Road
Newbury
RG14 2AF

Project

Drawing title

STANDARD DRAWINGS

PAVEMENT CONSTRUCTION THICKNESS
Major Access Roads and Intermediate Roads
(less than 250 commercial vehicles per day)

Drawn

M.G

Date

FEB 08

Checked

C.S

Scale

NOT TO SCALE

Drawing No.

SD/900/2