In order for Contractors to ensure their submissions reflect as accurately as possible the Council’s specification and requirements, the Council strongly recommends that Contractors undertake a site visit in order for each Contractor to satisfy itself so far as is possible that its proposed tendered price to be submitted in its bid is correct, realistic and sustainable. Such site visits may be undertaken without prior arrangement, as the site is open and publically accessible.

Site visits will not be scored or evaluated, but the Council makes available this opportunity to Contractors in accordance with the principles of openness, fairness, transparency and non-discrimination so as to enable each Contractor so far as is reasonable to submit its most competitive bid.

**For the avoidance of doubt please be aware that following award of contract should the successful Contractor subsequently find that its proposed solution is not accurate and sustainable then the successful Contractor will be not be permitted to amend their pricing bid so as to request any further monies associated with the full provision of this service.**

#### **Private Drives and Parking Areas Having Use by Cars and Light Vehicles**

| **Construction (see Note 1)** | | **Road type** | | | |
| --- | --- | --- | --- | --- | --- |
| **Bituminous Macadam** | **Concrete** | **Block Pavers** | **Gravel** |
| **Sub-base** | **Granular sub-base material Type 1 to clause 803 Table 8/2 MCHW1 Series 800 (see Note 2)** | Table 2 (see below) | Table 2 (see below) | Table 2 (see below) | Table 2 (see below) |
| **Base (Road base)** | **Dense Bituminous Macadam (100/150 Pen paving grade bitumen) with crushed rock aggregate to BS 4987 (Group one mix)** | N/A | N/A | N/A | N/A |
| **Concrete designation (BS 8500-2 Table 7)** | N/A | N/A | N/A | N/A |
| **Binder course (Base course)** | **Dense Bituminous Macadam (100/150 Pen paving grade bitumen) with crushed rock aggregate to BS 4987 (Group two mix)** | 60  (0/20 mm size to clause 6.5) | N/A | N/A | N/A |
| **Surface course (wearing course)** | **Dense Bituminous Macadam (100/150 Pen paving grade bitumen) with crushed rock aggregate to BS 4987 (Group three mix)** | 20  (0/6mm size to clause 7.5) | N/A | N/A | see Note 7 |
| **Hot rolled asphalt to BS 594-1** | N/A | N/A | N/A | N/A |
| **Mastic Asphalt to BS 1447** | N/A | N/A | N/A | N/A |
| **Concrete designation (BS 8500-2 Table 7)** | N/A | 100  Grade PAV 1 | N/A | N/A |
| **Bedding course** | **Sharp sand to BS 7533-3 category II of Annex D** | N/A | N/A | 50 | N/A |
| **Pavers** | **Block pavers To BS 6717 of Class markings W2, A2, and S3 (weathering, abrasion and slip/skid classes) (see Note 6)** | N/A | N/A | 50 | N/A |

#### **Notes**

1. Names of pavement layers show both the European harmonised names and in brackets the names traditionally used in the UK.
2. If a capping layer is specified then sub-base thickness can be reduced. DMRB Volume 7 Section 2 Part 2 HD 25/95 Foundations Chapter 3 Capping and Sub-base gives guidance on capping and sub-base thickness design based on CBR values and with and without a capping layer.
3. Thickness is based on the provision of a geotextile membrane underneath the sub-base. If no geotextile membrane is provided see Table 2 (see below).
4. Bond and tack coat should be provided for bituminous mixtures in accordance with BS 4987-2 or BS 594-2.
5. Asphalt based materials can be used as partial replacement of full thickness of granular sub-base Type 1 material.
6. When laid to either 90 or 45 degrees herringbone pattern then the edge perimeter to be laid with one single row of stretcher bond set parallel to the edge restraint. Where block pavers are laid abutting drainage channels, gulley grates and the like, the upper surface of the block pavers shall be set between 3 and 6mm above the grating. Manufacturer's declared value markings W3 and S4 are acceptable if W3 is 1.0 kg/m2 or less and S4 is 45 or more based on 'C scale unit' (with regard to abrasion, Class A2, no test result is greater than 23mm; and Class A1 = no performance determined).
7. Use 38mm thickness of graded 15/20mm unbound aggregate to BSEN 13242 (gravel) well rolled and compacted.
8. N/A = Not Applicable

**Table 2 (see below) Minimum sub-base thickness for paved areas:**

| **California Bearing Ratio (CBR) values** | **Minimum thickness (mm) of sub-base (Consolidated in accordance with MCHW Volume 1 clause 801, table 8/1).** | |
| --- | --- | --- |
| **Without Geotextile underneath** | **With Geotextile underneath** |
| Less than 2% | N/A | 300 |
| 2% - 3% | 325 | 225 |
| 3% - 5% | 250 | 150 |
| 5% - 7% | 150 |  |
| 7% - 20% | 100 |  |

**Notes**

The thickness of any required capping layer and the sub-base should be determined after investigations and on-site tests have been carried out relating to the California Bearing Ratio (CBR) value and frost susceptibility of the sub-grade. See Table 2 (see below).

Where the tests indicate that the sub-grade is frost susceptible a suitable capping layer should be included below the sub-base, to a depth that will ensure that the construction will not be affected by frost heave.

Link for MCHW Volume 1:

<http://www.standardsforhighways.co.uk/ha/standards/mchw/vol1/pdfs/MCHW%20800.pdf>

