



## **2530 - SPECIFICATION FOR CLAY CAP**

### **2530 - 1 DESCRIPTION**

- 1.01 The work shall consist of a layer of clay constructed on a prepared subgrade as shown on the plans or designated by the Engineer.

### **2530 - 2 MATERIALS**

- 2.01 Clay cap material shall be obtained from deposits supplied by the Department. The clay material shall be free from objectionable quantities of organic matter, frozen soil, stumps, trees, or other unsuitable material.

### **2530 - 3 CONSTRUCTION**

- 3.01 Overburden shall be removed from the material deposit in accordance with the requirements for Removal of Overburden (Specification 2260).
- 3.02 The clay material shall be excavated from the material deposit as staked or designated by the Engineer.
- 3.03 The surfaces of excavations shall be shaped to a uniform smooth surface and graded, if required, to ensure positive drainage.
- 3.04 The subgrade shall be bladed to a smooth finish, conforming to the typical cross section shown on the plans and as staked by the Engineer, before placing the clay cap.
- 3.05 If motor vehicles are used for hauling, the clay cap material shall be hauled in accordance with the requirements for Haul (Specifications 2405).
- 3.06 The thickness of the clay cap will generally be between eight centimetres (8 cm) and fifteen centimetres (15 cm).
- 3.07 The clay material shall be uniformly spread over the subgrade surface by means of a blade grader. When necessary to obtain uniform distribution adjacent to structures, spreading by band methods will be required. The slopes and surfaces of the clay cap shall be shaped and trimmed to a uniform smooth surface conforming to the cross section shown on the plans or as staked by the Engineer.
- 3.08 Stones, having a dimension of eight centimetres (8 cm) or more when measured in any direction, shall be excluded from the clay cap. Surplus rock shall be disposed of in accordance with the requirements for Disposal of Surplus Rock (Specification 2320).
- 3.09 If the moisture existing in the soil is insufficient to produce a stable finished surface, water may be added in quantities as directed by the Engineer.
- 3.10 Water shall be distributed in accordance with the requirements for Watering (Specification 2500).

#### **2530 - 4 MEASUREMENT**

- 4.01 The volume of clay cap material will be measured, in cubic metres in its original position, by the cross section method.
- 4.02 The volume of clay cap material on the road may be measured, in cubic metres in the final position of the material, by the cross section method. Measurement of this volume is for the purpose of estimating the distribution of material over the subgrade.

#### **2530 - 5 PAYMENT**

- 5.01 Payment for CLAY CAP will be at the contract unit price per cubic metre. The unit price will be full compensation for excavating, loading, dumping, spreading, finishing, blading, shaping, and trimming the slopes and surfaces to the lines, grades, and dimensions specified on the plans or designated by the Engineer.
- 5.02 Payment for HAULING CLAY CAP MATERIAL will be at the contract unit price per cubic metre kilometre in accordance with the requirements for Haul (Specification 2405).
- 5.03 Payment for watering on the road will be in accordance with the requirements for Watering (Specification 2500).
- 5.04 Payment for removal of overburden will be in accordance with the requirements for Removal of Overburden (Specification 2260).