



## **2010 - SPECIFICATION FOR REMOVAL OF SELECTED TREES AND HEDGES**

### **2010 - 1 DESCRIPTION**

- 1.01 The work shall consist of the removal and disposal of selected trees and hedges, including stumps and roots.
- 1.02 This specification applies only to those planted groves, shelter belts, hedges, ornamental or shade trees, and isolated native trees that are identified on the plans or in the special provisions as "Selected Trees and Hedges".

### **2010 - 2 MATERIALS**

### **2010 - 3 CONSTRUCTION**

- 3.01 Selected trees and hedges, including stumps and roots, shall be cleared from the surface of the right-of-way.
- 3.02 Removal of trees and hedges shall be completed at least two (2) kilometres ahead of the earthmoving operations.
- 3.03 Trees, hedges, stumps, and roots shall not be used in the construction of embankments.
- 3.04 Merchantable timber shall be salvaged within the areas designated on the plans or in the special provisions as "Merchantable timber to be salvaged". The merchantable timber shall be trimmed, cut to suitable lengths, and piled at locations designated by the Engineer. The species and diameters of merchantable timber to be salvaged, and the length(s) the timber is to be cut into, will be specified in the special provisions. The diameter shall be calculated from the measured circumference of the tree.
- 3.05 Trees, hedges, stumps, and roots not required to be salvaged shall be piled within the right-of-way and burned when burning is permitted. The Contractor shall be responsible for obtaining the necessary burning permits. The portion of the trees, hedges, stumps and roots which cannot be burned may be buried in disposal pits at locations designated by the Engineer. The Engineer will determine when acceptable material from disposal pits can be used in the construction of embankments.
- 3.06 Surplus material from disposal pits shall be disposed of as directed by the Engineer. A minimum of thirty (30) centimetres of earth is required over the buried debris. The ground surface shall be restored and levelled.
- 3.07 Selected trees may be piled outside the right-of-way when specified on the plans or when the Engineer has obtained the written consent of the landowner. In such cases, the trees shall be neatly piled on designated areas adjacent to the right-of-way.
- 3.08 The Department will provide areas for disposal sites specified on the plans or as designated by the

Engineer. Any additional areas chosen by the Contractor shall be obtained by the Contractor at no direct expense to the Department. The Contractor shall obtain the written consent of the landowner and shall submit this statement to the Engineer for approval before disposal work begins.

- 3.09 The Contractor shall be required to hand-cut trees or hedges if removal by machines may cause damage to fences, telephone or power lines.

#### **2010 - 4 MEASUREMENT**

- 4.01 The circumference of the tree will be measured at breast height to the nearest centimetre. The diameter will be calculated from the measured circumference of the tree to the nearest centimetre.
- 4.02 For the purpose of measurement, existing stumps will be considered as trees. The diameter of existing stumps less than breast height will be measured to the nearest centimetre on the top surface of the stump.
- 4.03 Trees five (5) centimetres or more in diameter will be classified as selected trees.
- 4.04 Removal of trees under five (5) centimetres in diameter will be measured as Clearing and Grubbing (Specification 2000).
- 4.05 Hedges will be measured to the nearest metre determined from horizontal measurements.

#### **2010 - 5 PAYMENT**

- 5.01 Payment for REMOVAL OF SELECTED TREES will be at the contract unit price per tree. Payment for REMOVAL OF HEDGES will be at the contract unit price per metre. The unit prices will be full compensation for removing, piling, salvaging if required, windrowing and disposing of trees and hedges, and restoring and levelling the ground surface over the buried debris.
- 5.02 Payment for removal of trees under five (5) centimetres in diameter will be in accordance with the requirements for Clearing and Grubbing (Specification 2000).
- 5.03 If material excavated from disposal pits is used in the construction of embankments, the excavation will be paid for in accordance with the requirements for Earth Excavation (Specification 2200) and/or Rock Excavation (Specification 2250) and/or Disposal of Surplus Rock (Specification 2320).
- 5.04 If material excavated from disposal pits is not used in the construction of embankments, the excavation will not be paid for directly but will be considered as subsidiary obligation of the Contractor under the other contract items.