

SECTION 201 - CLEARING AND GRUBBING

201.01 DESCRIPTION

This section covers the requirements for clearing and grubbing and for the disposal of the materials produced by clearing and grubbing.

201.02 DEFINITION

Clearing and Grubbing

Clearing and grubbing is the removal within specified limits of :

- (a) vegetation such as trees, tree stumps, tree roots, logs, brush, noxious weeds and decayed vegetable matter; and
- (b) refuse such as pole stumps, rubbish dumps and sawdust piles resting on or protruding from the ground surface; and
- (c) obstruction such as concrete paving, concrete edgings, drainage pits, foundations, fences and disused structures.

201.03 LIMITS OF WORK

Unless otherwise specified, the limits of clearing and grubbing shall be :

- (a) the length of the job
- (b) the width between the outside edges of any batters, including any rounding, together with a further horizontal distance of 1m beyond the outside edges of batters but not beyond the road reserve boundary or, where catch drains are required beyond the outside edges of catch drains.

201.04 CLEARING

Except as otherwise specified or directed by the Engineer, the area within the specified limits shall be cleared of all vegetation, refuse and obstructions. The Engineer may direct that any tree or shrub designated by him shall be retained.

Trees shall be brought down in such a manner as to avoid danger to traffic or damage to other trees, shrubs, structures or property outside the area being cleared or designated to be retained within the area being cleared.

201.05 GRUBBING

Except as otherwise specified the cleared area shall be grubbed free from vegetation, refuse and obstructions.

In areas where excavation will be made, all vegetation, refuse and obstruction shall be removed.

In areas to be covered by embankments, all vegetation, refuse and obstructions shall be grubbed to a depth of not less than 0.6m below the stripped surface. In areas to be covered by embankments exceeding 1m in height, foundations may remain if located or cut off not more than 0.4m above the natural surface but not less than 1m below the finished surface of the subgrade.

Material resulting from grubbing shall be backfilled with material similar to the surrounding material and

compacted to the same degree as the surrounding material.

201.06 CLEARING AND GRUBBING AT BRIDGE AND CULVERT SITES

Unless otherwise shown on the drawings or directed by the Engineer, trees and stumps within 10m of any portion of a proposed bridge, or proposed culvert having a waterway area greater than 6m, shall be cleared and grubbed.

Clearing and grubbing at bridge and culvert sites shall conform to the other requirements of this section.

201.07 DISPOSAL OF MATERIALS

All materials resulting from clearing and grubbing shall be disposed of by the Contractor.

Materials to be burned shall be stacked in neat heaps well clear of standing timber. No materials shall be stacked or burned on private property without the written consent of the owner. Residue from burning shall be removed from the site unless otherwise approved by the Engineer.

All burning shall be done at such a time and in such a manner as to prevent the fire from spreading to areas adjoining the road reserve and to prevent smoke which might obscure the visibility of motorists. Where required, suitable arrangements shall be made for the control of traffic during this operation.

The Contractor shall observe the requirements of the local fire brigades and the Ministry of Forests concerning stacking and burning of materials and shall hold all necessary permits before any burning is commenced.

Where, due to fire restrictions, the Contractor is unable to start burning operations, material intended to be burned which interferes with subsequent construction operations shall be moved to approved locations clear of the construction work and later burned. Where it is not practical or not permitted by the relevant authorities to dispose of material by burning, the material shall be removed from the site or buried at approved locations.

201.08 MEASUREMENT AND PAYMENT

Clearing and Grubbing

The unit of measurement shall be an Item.

Payment for clearing, grubbing and disposal of material, including all labour, plant and materials to do the work, shall be at the scheduled sum for all works completed in accordance with the specification.