

SECTION 201 CLEARING AND GRUBBING

201.01. DESCRIPTION.

This work shall consist of clearing, grubbing, removing and disposing of all vegetation and debris which are within designated limits occurring inside the limits of the right-of-way and easement areas—except objects that 1) are designated to remain or 2) are to be removed in accordance with other Sections of these Specifications. Clearing and grubbing will be required through grading exceptions unless otherwise noted on the plans. This work shall also include protecting from injury or defacement all vegetation and objects designated to remain.

201.04. CONSTRUCTION METHODS.

Construction methods include (a) clearing, (b) grubbing, (c) preserving areas outside of construction, and (d) selective clearing.

- (a) **Clearing.** Cut only those trees outside the limits of construction which are within areas designated by the plans. Leave all trees standing within the limits of construction which are permissible, consistent with the Clear Zone Policy, and which are designed as such by the Engineer. Remove branches of trees overhanging the roadway to a vertical distance of 20 feet (6m) above the road surface. Use only experienced workers to perform tree trimming and pruning and in such that the best standards of horticultural practices are observed. Do not damage trees remaining in place by careless or negligent construction practices.

When clearing trees, logs, stumps, brush, and objectionable material, remove, bury, burn, or otherwise dispose of them in an approved manner. When burning perishable material, obey all applicable laws and ordinances, and provide constant care by competent workers to avoid jeopardizing the surrounding vegetation, other adjacent property, or anything designated to remain on the right-of-way.

If there are perishable materials and debris which cannot be burned, remove these materials from the right-of-way if the Engineer permits. Dispose of the material at locations off the project and outside the limits of view from the project; do so only with the written permission of the owner of the property on which you plan to place the materials and debris, and only after making all necessary arrangements with the property owner. Include the cost in the unit price bid (or consider it as incidental to excavation).

- (b) **Grubbing.** Within the right-of-way—including channel right-of-way except as defined in (c) below—grub out and satisfactorily dispose of stumps and roots—except for undisturbed stumps and roots and nonperishable solid objects that are a minimum of 3 feet (0.9 m) below the subgrade or slope of embankments. In fill or channel areas, leave stumps and nonperishable solid objects (when convenient) provided they do not extend more than 6 inches (150 mm) above the original ground line or water level.

- (c) **Preserving Areas Outside of Construction.** Preserve areas outside of construction slopes (except area necessary for constructing fences) in their natural state. Unless specifically required by the Plans, do not clear or grub in areas outside construction stakes except to remove debris, dead trees, and stumps. If a strip or area within the median lies outside of construction stakes, your equipment may cross the median only at points designated by the Engineer.

NOTE: Be careful not to disturb areas outside of construction stakes except as necessary to store reserved topsoil from storage areas within the right-of-way. If your clearing operations damage any areas within the right-of-way (except for storage areas for topsoil), you shall restore them to the satisfaction of the Engineer at your own expense.

- (d) **Selective Clearing.** This work includes three types of activity: (1) trimming selected trees and shrubs (except those designated to be preserved as shown on the plans); (2) removing logs, root pods, brush, refuse dumps, and other undesirable debris from the ground and disposing of them; and (3) cutting, removing, and disposing of all undergrowth, stumps, and standing trees.

Perform this work in such a way that, when you are finished, the designated areas will be in a park-like condition that can be maintained economically. Dispose of all material in conformance with the Clearing and Grubbing requirements. Normally, when selecting trees for removal, leave a spacing of 20 to 30 feet (6 to 9 m) between the remaining trees.

Sever all stumps, trees and shrubs (except those designated to be preserved) flush with or below the ground. For uprooted trees, completely remove the stumps and fill the resulting holes with material approved by the Engineer. Trim selected trees and shrubs in such a manner that they will not be otherwise damaged.

Restrict the movement and operation of equipment so that trunks, branches, and roots of trees and shrubs selected for retention will not be scarred, broken, or otherwise damaged to the extent that the life of the plant is endangered.

201.05. METHOD OF MEASUREMENT.

Clearing and Grubbing or Selective Clearing will be measured by the lump sum for the project.

201.06. BASIS OF PAYMENT.

Clearing and grubbing or selective clearing (measured as provided above) will be paid for at the contract unit price by the lump sum. Such payment shall be full compensation for all equipment, tools, labor, and incidentals necessary to complete the work as specified.

CLEARING AND GRUBBING	LUMP SUM
SELECTIVE CLEARING	LUMP SUM