

Division 19: Clearing & Grubbing

19.01 SCOPE: The work in this section shall consist of furnishing all labor, material, equipment and other incidentals to perform the work necessary for clearing and grubbing in accordance with the Contract Documents.

19.02 EXECUTION:

- A. The Contractor shall clear and grub all areas within public easements or rights of way as shown on the approved plans. Clearing shall include felling all standing trees, except where designated by the Engineer to remain, and cutting of all brush. Grubbing shall include removal of all stumps. Roots shall be removed to a depth not less than 18" below subgrade. The work also includes complete removal and disposal of all felled trees, brush and stumps, etc. In addition, any depressions resulting from the above removals must be backfilled to the original ground elevation. This work shall be done in strict accordance with local, state, and federal laws controlling open burning. Prior approval and coordination must be handled by the Contractor with the City of Chesapeake Fire Department.
- B. Existing trees that are designated to be retained after construction shall be protected during construction in the following ways, and as per Virginia Erosion and Sediment Control Standard Specifications 1.85.
 - 1. Prior to any clearing, grading or construction, protective barriers shall be placed around all trees to be retained on the site to prevent the destruction or damage of trees. These will be located in a circular pattern with a radius equal to the length of the widest or longest branch. Material will not be stockpiled within this defined area and vehicles and other equipment are to be excluded from this area to avoid soil compaction. The only exception to this requirement will be those specifically allowed by these standards and specifications.
 - 2. Boards or wires of a non-protective nature will not be nailed or attached to trees during building operations.
 - 3. Heavy equipment operations will be cautioned to avoid damage to existing tree trunks, and roots during land leveling operations. Feeder roots should not be cut in an area equal to twice the tree circumference (measured 4-1/2' above ground in inches). Expressed in feet. (Example - circumference of ten inches would have a "no cut" zone of twenty feet in all directions from the tree). This should apply to ditching for all utilities services, if feasible.
 - 4. All roots severed or severely damaged during building or land leveling shall be trimmed to remove damaged or splintered area. Exposed roots should be covered and moistened immediately after exposure.
 - 5. All tree limbs damaged during building or land leveling, or removed for any other reason, will be sawed flush to tree trunk.

19.03 MEASUREMENT AND PAYMENT: Clearing and grubbing will not be measured and paid for as such. The cost of clearing and grubbing will be a lump sum price under said name in the Unit Price Table.