

**TECHNICAL SPECIFICATION 100
CLEARING, GRUBBING, AND SITE PREPARATION**

100.1 SCOPE OF WORK

This technical specification covers the furnishing of all labor, materials, testing, submittals, tools, and equipment necessary for clearing and grubbing of the project area in preparation for the construction activities described under this contract. Included in the work is the stripping, removal, and disposal of all trees, downed timber, snags, brush, vines, rubbish, stumps, logs, topsoil, bricks, existing sidewalks, concrete steps, curbing, driveways, pavement, fencing, guiderails, signs, yard drains, pipe, light fixtures, bases, old wire, and other incidentals that interfere with the planned construction. The work includes the resetting of walls, fence fabric, and poles, relocation and/or resetting of lawn sprinklers, signs, mail boxes, etc., including the installation of temporary and construction fencing, and relocation and trimming of shrubs, trees, or other plantings to remain. The work also includes the removal of winter shims placed on the binder course of bituminous concrete surfaces to protect catch basin tops, manholes, valve boxes, etc., that extend above the paved surface awaiting final surface treatment during the next construction season. Site preparation work also includes the construction, maintenance, and removal of construction site entrance pads, if shown on the plans or ordered by the Engineer.

100.2 MATERIALS

Materials used for the construction of the construction site entrance pad shall conform to the following:

- A. Crushed stone, 2 inch, shall meet the requirements of Form 816, Section M.01.01.
- B. Processed aggregate, when required, shall be medium gradation conforming to Technical Specification 210 – “Processed Aggregate Base”.
- C. Geotextiles shall meet the requirements of Form 816, Section M.08.01.26.
- D. Bituminous concrete pavement, when required, shall conform to Form 816, Section M.04, Class 1.

100.3 SUBMITTALS

The following submittals shall be submitted to the Town Engineer for review and approval prior to installation:

- Gradation test results for crushed stone
- Manufacturer(s) cut sheet(s) for geotextile(s)

100.4 CONSTRUCTION METHODS

The stumps of all trees and brush, including the major root system, shall be removed in all excavation areas, under all embankments, and graded areas where the proposed finished surface is within 4 feet of the original ground. In any case where the Engineer determines that the material encountered below the finished grade is unfit for a proper foundation, the material shall be removed.

All excess material except topsoil, shall be the property of and disposed by the Contractor. Disposal areas for excess material shall be subject to approval of the Engineer.

Any topsoil to be used for the finished grading shall be stockpiled and preserved for future use in a location and manner approved by the Engineer.

In areas where certain trees and shrubs have been designated to be relocated, or to remain, or in areas adjacent to the construction activity, the Contractor shall protect this growth from damage or injury during construction. Trees shall be trimmed to provide a minimum of 8 feet of vertical clearance from the finished grade of any sidewalk constructed or repaired. In case of unavoidable damage to branches and limbs, the damaged portions shall be neatly trimmed and preserved as directed by the Engineer. Any trees or bushes that have been designated to be preserved and/or relocated and are damaged by the Contractor and are beyond recovery, shall be removed and replaced as directed by the Engineer, at the expense of the Contractor.

Construction site entrance pads shall be constructed prior to any clearing and grubbing. They shall be maintained so as to prevent tracking of dirt onto the adjacent paved roadway. The local roadways shall be swept as necessary to remove any materials that have been tracked from the site.

100.5 MEASUREMENT

Measurement for this item will be based on the area within the contract construction limits as identified on the plans and/or specifications contained herein, or as ordered by the Engineer.

100.6 PAYMENT

Payment for this item will be based on the contract Lump Sum price including all labor, materials, testing, submittals, tools, and equipment necessary to complete the work as specified. Partial payments for this item will be made based on the percentage completion of the overall work. If the contract construction limits are reduced or increased, the Town and the Contractor shall negotiate a reasonable change to the lump sum payment.

PAY ITEM	PAY UNIT
Clearing, Grubbing and Site Preparation	L.S.