

ITEM 0108401

TREE REMOVAL

DESCRIPTION

This item shall consist of removing trees of any caliper as shown on plans, or as ordered by the Engineer, grinding of the tree stump 18" below grade, disposal of the tree trunk and limbs, wood chips, sawdust and leave, and placing of loam and seed in all disturbed areas.

REFERENCED ITEMS

None

REQUIRED SUBMITTALS

None

MATERIALS

Topsoil shall be natural, friable, fertile, product soil of a good clay loam type, containing at least 2% decayed organic matter. It shall be free of stones over 1" in size, sticks, clods, without admixture of subsoil, toxic materials or other foreign matter.

A certified commercial grade of ground lime shall be used at a rate of approximately 40 lbs of lime per 1,000 square feet of surface.

The surface shall be finely graded so that no water pockets are formed. Fertilizer shall be applied at a rate of 20 lbs. per 1,000 square feet. Fertilizer shall be of a quality grade for lawns meeting the standards of the Association of Official Agricultural Chemists.

Grass seed shall be fresh, clean, new-crop seed and shall be free from weed seed. Purity of the mixture shall be not less than 90% and germination not less than 85%. The seed shall conform to the following mixtures:

Kentucky Blue Grass	50% by weight
Creeping Red Fescue	25% by weight
Manhattan Rye Grass	25% by weight

The seed supplier shall submit a certificate showing that the seed supplied conforms to the above specifications.

Grass seed shall be used at the rate of 5 lbs. per 1,000 square feet and be applied uniformly in an agronomically acceptable method approved by the Engineer.

The seasonal dates for seeding are:

Spring seeding	March 15 to June 15
Fall seeding	August 15 to October 15

CONSTRUCTION METHODS

Trees marked and posted by the City Forester shall be removed using methods approved by the Forester. The Contractor shall arrange a field meeting with the City Forester and inspector to discuss the removal methods, safety precautions, and any special requirements before removal of the tree. Special precautions should be used to avoid damaging private or public property during all phases of tree removal. Property which is damaged as a result of tree removal shall be restored to its original condition or replaced where the Engineer deems necessary by the Contractor at no additional expense to the City.

All debris from tree-cutting such as tree trunks, limbs, leaves, wood chips and sawdust shall be removed daily from the work site. At no time shall the Contractor close the road without prior approval from the Engineer. At least one (1) lane of traffic must be maintained during working hours. During non-working hours the number of travel lanes shall return to normal conditions.

Tree Stumps shall be ground or removed to a depth of 18" below grade. Wood chips and sawdust shall be removed before loam and seed are placed in the area. All disturbed areas shall be re-graded and backfilled with loam within 24 hours of the completion of the stump removal process. These areas shall be seeded and mulched during the appropriate seasons.

METHOD OF MEASUREMENT

This work will be measured by the number of trees removed and accepted.

BASIS OF PAYMENT

This work will be paid for at the contract unit price per each "TREE REMOVAL", completed and accepted. Including all materials, equipment, tools, labor and incidental expenses.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0108401	Tree Removal	EA