

DESCRIPTION

This work shall consist of the macro-injection of elm trees with fungicide to assist in the prevention and cure of Dutch Elm Disease, in accordance with the contract documents and as directed by the Engineer and the Regional Landscape Architect.

MATERIALS

Trees shall be injected with Arbotect 20-S Fungicide, or approved equal, unless otherwise directed by the Engineer in consultation with the Regional Landscape Architect.

Arbotect 20-S Fungicide
Manufactured by
Syngenta Professional products
P.O. Box 18300
Greensboro, NC 27419
(866)796-4368

CONSTRUCTION DETAILS

The contractor must be familiar with and be trained to perform the macro-injection technology to assist in the prevention and cure of Dutch Elm Disease. The contractor shall have a trained professional arborist certified by the International Society of Arboriculture (ISA) present during the entire process to insure proper method, complete uptake and public safety.

The contractor shall identify and mark all elm trees to be treated under this specification according to the contract drawings. Prior to proceeding with the work the number and locations of the elm trees to be treated shall be confirmed by the Engineer and the Regional Landscape Architect.

Work shall only be done under conditions when temperatures are 4.4 degrees Celsius and rising. Trees should be macro-injected in the root flares of the tree with approximately 1.055 kilograms per centimeter of pressure. To get complete distribution of the chemical in the canopy, injection must be into the root flares and the tees placed 100 to 200 millimeters below the top of the flare, spaced 100 to 200 millimeters apart depending on the size of the flare. Drill holes shall not be more than 25 millimeters deep, made with a low speed drill, and all root flares must have at least one injection site. Tees should be inserted by hand. Do not pound tees into root flares. Average uptake of material will be between ten minutes to one and a half hours after hook-up; however, complete uptake can take three hours or longer. 1.89 liters of water should be used to dilute 29.57 milliliters of Arbotect 20-S, or as specified by the manufacturer. 354.88 milliliters of Arbotect 20-S will be needed per 150 millimeter diameter at breast height (dbh) unless otherwise directed by the Engineer in consultation with the Regional Landscape Architect.

Reference the Manufacturer's Instructional Manual (located in the supplemental information available to bidders) for additional information.

METHOD OF MEASUREMENT

This work will be measured as the number of liters of fungicide satisfactorily applied measured to the nearest .01 Liter.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.

DISAPPROVED BY EI 12-001