

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

- E1.1 These Specifications shall apply to the Work.
- E1.2 The Contractor shall comply with all Federal and Provincial laws and regulations and all City of Winnipeg by-laws. This shall include but not be limited to all aspects of the Manitoba Workplace Health and Safety Act and laws/by-laws affecting streets, safety, hours of work, noise, street blockage, correct use of signage and line clearance regulations of Manitoba Hydro, and Manitoba Telephone System.

E2. SERVICES

- E2.1 The Contractor shall provide Elm Tree Injections in accordance with the requirements hereinafter specified.
- E2.2 The Contractor shall inject 300 (more or less) trees at locations to be approved mutually by both the Contractor and The City Forester or his designate on an "as required" basis.
- E2.3 The Contractor shall begin injection within 48 hours (72 hours if weekend involved) of notification of tree location approval.
- E2.4 The Contractor shall inject trees in a manner satisfactory to The City Forester or his designate, and furthermore, agrees that the above said operation may be inspected periodically as injections are being performed and that samples of the chemical concentrate and/or the mixed chemical may be taken at any time.
- E2.5 The Contractor shall contact The City Forester or his designate by telephone at 986-2007 at least twice per week to receive additional tree locations and other pertinent information.
- E2.6 The Contractor shall inform The City forester or his designate, by telephone at 986-2007 before 9:00 a.m., prior to and after each injection, of the time, date and location of each injection.
- E2.7 The Contractor shall inject, according to the label directions of the chemical being applied, the dosage required for therapeutic purposes, and/or for prevention for the longest time period available as the situation warrants, in accordance with accepted techniques and in compliance with all municipal, provincial and federal laws and regulations. Damage to trees, other than injection wounds, is not permitted. Chemical spillage of any kind is not permitted.
- E2.8 The Contractor shall arrange and be responsible for the required pruning and debris disposal of trees that are therapeutically injected according to accepted practices. Trees 38 cm DBH and less should be pruned of infected parts at the trunk just prior to injection. Trees greater than 38 cm DBH should be pruned of infected branches 2-3 weeks after injection except if the infected branch is in the lower third of the crown in which case it should be pruned just prior to injection as for smaller trees.
- E2.9 The Contractor shall supply all required equipment, materials and labour necessary to properly perform the requirements of this Contract.
- E2.10 The Contractor shall permanently mark each injected tree with a sequentially numbered metal tag securely nailed to the tree.
- E2.11 The Contractor shall remove all incidental debris resulting from the operation.

- E2.12 The Contractor shall repair and restore turf to existing grade and condition if excavation is required.
- E2.13 The Contractor shall provide, for each tree injected, a completed Dutch Elm Disease Injection Data Sheet containing information as per attached sample.
- E2.14 Preventative injection, shall be with a fungicide legally registered in Canada for injection control of Dutch Elm Disease, guaranteed for three (3) years, and priced per centimetre of diameter at breast height (D.B.H.). Breast height shall be 1.4m above ground level.
- E2.15 Therapeutic injection including pruning, shall be with a fungicide legally registered in Canada for injection control of Dutch Elm Disease, priced per centimetre of diameter at breast height (D.B.H.). Breast height shall be 1.4m above ground level.

E3. APPROVED PRODUCTS

- E3.1 Arbortect 20-S: (prevention and therapeutic treatment of Dutch Elm Disease)
- E3.2 Eertavas: (prevention and therapeutic treatment of Dutch Elm Disease)

E4. EQUIPMENT, SUPPLIES AND MACHINERY

- E4.1 The Contractor shall have available for this project and to maintain in working condition, to be confirmed by inspection if warranted, such equipment, supplies and machinery as deemed necessary by The City Forester to fulfill contractual obligations.

DUTCH ELM DISEASE INJECTION - DATA SHEET

1. APPLICATORS NAME: _____
ADDRESS: _____
PHONE: _____
CONTACT: _____

DATA COLLECTED BY: _____

2. TREE DATA: TREE NO. _____ D.B.H. _____ HEIGHT _____ (M)

TREE LOCATION: _____ MAP

DATE OF FIRST SIGHTING AND/OR CONDITION: _____

3. INJECTION DATA: DATE: _____ WEATHER: _____
DISEASE DESCRIPTION AT TIME OF INJECTION: _____

NO. OF INJECTION POINTS: FLARE: _____ ROOT: _____ TRUNK: _____
CHEMICAL NAME: _____ CHEMICAL CONCENTRATION : _____ PPM

TOTAL UPTAKE: CHEMICAL: _____ (MLS) WATER: _____ (L)

4. COMMENTS: _____

5. SIGNATURE OF APPLICATOR: _____