

## **1.0 SITE PREPARATION**

### **1.1 GENERAL**

- .1 Protect trees, shrubs, lawns, planted areas, and other features remaining as part of final landscaping. All trees presently growing on the site, which are to remain, shall be protected to avoid any damage to them during construction operations. The Contractor shall not excavate or use heavy equipment in proximity to the tree and shall stay a minimum of 5 metres (16.5 feet) away from the trunk, or outside the drip line whichever is the larger value.
- .2 The Contractor will be charged a penalty for any damage to existing trees based on the value of the tree, as established by the International Society for Arboriculture Value Guide.
- .3 Protect buildings, sidewalks, curbs and paved areas against damage.
- .4 Restore and make good any and all damage to private and public property.
- .5 Protect benchmarks and reference lines from damage. Re-establish if disturbed or destroyed.
- .6 Supply and install adequate barriers, fences, warning and construction signs to prevent injury to the public. Maintain such barriers in good condition at all times.
- .7 Prior to commencement of work, has underground utilities located in the work area from drawings and utility plans the location and extent of underground utilities occurring in the area. Notify Project Manager and Utility Departments 48 hours before excavating utility line locates.
- .8 Protect active utility lines exposed by excavation from damage, as instructed by the Utility Department or Company. Final excavation in the area of any utility lines to be done by hand.

## **2.0 TRAIL CLEARING**

### **2.1 CENTERLINE**

The City shall flag the centreline of the trail prior to the commencement of construction, upon two (2) working days notice from the Contractor. After initial flagging, the Contractor shall be responsible to ensure flagging remains in place for

as long as required for trail construction.

## **2.2 SITE CLEARING AND GRUBBING**

- .1 Locate utility runs prior to commencing work.
- .2 Clear the trail and other areas of the work of all trees, limbs, brush, and woody plants to the cleared width of 1 metre on both sides of the finished trail width, and a height of 3 metres (10 feet). Trees at the trail edge shall have all limbs facing the trail cut flush with a pole saw. Stripping and scaring of standing trees shall not be permitted. All deadfall across the trail shall be cut back to .60 mm (2 feet) outside the clearing width.
- .3 Leaning and/or dead trees that in falling could reach the trail shall be felled away from the trails. The Project Manager shall flag all such trees.
- .4 Do not pull or rip out roots of trees that are to remain. If excavation through roots is required, excavate by hand and cut roots with sharp axe.
- .5 Do not remove trees marked to remain.
- .6 Remove cut waste material from site.
- .7 Grub out stumps and roots from cleared area and remove from site. Stumps must be removed to a minimum depth of .60 mm (2 feet) below proposed finished grades.
- .8 Do not bury cuttings, stumps, roots or burnt waste material.

## **2.3 BURNING**

Burning of materials shall not be permitted.

## **2.4 REMOVALS**

Removal and disposal of material as noted on the drawings or in the Summary of Work.

### **3.0 TREE AND PLANT PROTECTION**

#### **3.1 GENERAL**

- .1 Protect tops, trunks and roots of existing plants on site which are intended to remain.
- .2 Do not use heavy equipment within branch spread.
- .3 Remove interfering branches and roots, without injury to trunks, only when specifically directed by the Project Manager.
- .4 When existing grade around plants is lower than new finish grade, perform regrading by hand.

#### **4.0 SITE REHABILITATION**

- .1 The Contractor shall take every precaution not to damage, injure or mark all existing surfaces, structures, utilities or landscaping on the City owned property or adjacent private properties.
- .2 Any damage that may be caused by the Contractor, his employees or equipment or subcontractors shall be restored to pre-construction condition at the Contractor's expense and to the satisfaction of the Project Manager.

**END OF SECTION**