

## **Part 1 -General**

### **1.01 Description**

- .1 This Section specifies requirements for the preservation, protection and reconstruction/replacement of existing facilities and trees. This Section is supplemental to OPSS.MUNI 491 and OPSS.MUNI 801 and shall supersede conflicting specifications within those OPSS.

### **1.02 Related Specifications**

- .1 OPSS.MUNI 491 - Construction Specification for Preservation, Protection and Reconstruction of Existing Facilities
- .2 OPSS.MUNI 801 - Construction Specification for Protection of Trees

## **Part 2 -Products** - Not Applicable

## **Part 3 -Execution**

### **3.01 Existing Services and Structures**

- .1 Comply with all regulations and guidelines of the road authorities, utility companies, railway companies, Technical Standards and Safety Authority (TSSA) and the Electrical Safety Authority (ESA) including those pertaining to protective work, inspection and safety.
- .2 Exercise extreme caution when working near existing underground and overhead utilities.
- .3 Make necessary arrangements with railway and utility companies for support and protection of existing structures where required.
- .4 All Traffic control system conduits that are broken or damaged shall be repaired immediately.
- .5 Any damage to existing utilities, deemed to have been caused by the Contractor's lack of reasonable caution shall be repaired at the Contractor's expense
- .6 No extra payment shall be made for working around conditions resulting directly or indirectly from the Contractor's lack of reasonable caution.

- .7 Clean the first existing downstream maintenance holes and catch basins prior to completion.

### **3.02 Protection of Trees**

- .1 Tunnel under or around roots by hand digging without damaging roots where trees are identified for preservation.
- .2 In the case of woodlots, it shall not be necessary to trim exposed roots.
- .3 Branches 75 mm or larger in diameter that are damaged by the Contractor's operations shall be cut back in accordance with good arboricultural practice.
- .4 Erect tree protection prior to commencing work as stated in the Contract Documents.

### **3.03 Raising Grades Around Trees**

- .1 When fill is less than 400 mm deep, place clean washed rounded gravel 25 mm to 50 mm in size around tree trunk to a minimum radius of 450 mm and approximately 50 mm above finished grade.
- .2 Place gravel before earth fill.
- .3 Do not leave earth fill in contact with trunks.
- .4 When fill is more than 400 mm deep remove and replant tree to match finished grade.

### **3.04 Damaged Trees**

- .1 Contract Administrator shall determine if damaged tree must be replaced.
- .2 Replace trees ordered for replacement with similar size and species or as approved by Contract Administrator.

### **3.05 Pruning**

- .1 Obtain permission from Contract Administrator prior to pruning.
- .2 Employ specialized personnel to carry out pruning.
- .3 Pruning to be done in accordance with good arboricultural practice.

**3.06 Survey Monuments**

- .1 Do not remove survey monuments, iron bars, round iron pipes or stakes representing property boundaries and locations encountered on line of work without written permission of Contract Administrator.
- .2 All survey monuments disturbed or removed by the Contractor carelessly or without the permission of the Contract Administrator, shall be re-established by a registered Ontario Land Surveyor at the Contractor's expense.

END OF SECTION