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| Version | Date | Description of Revisions |
| 1 | August 30, 2006 | Approved final document. |
| 2 | October 16, 2007 | Minor revisions by Legal Services. |
| 3 | November 13, 2009 | Modified ‘Related Sections’ |
| 4 | March 14, 2011 | Minor changes. |
| 5 | April 13, 2012 | Addition of References and Replacement Parts sections on this page |
| 6 | June 28, 2012 | Reformatted to Remove White Space |
| 7 | April 24, 2015 | General formatting |

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NOTE:

This is a CONTROLLED Document. Any documents appearing in paper form are not controlled and should be checked against the on-line file version prior to use.

**Notice:** This Document hardcopy must be used for reference purpose only.

**The on-line copy is the current version of the document.**

References

• None

Replacement Parts

• None

# GEneral

## Related Sections

### [Under "Related Sections", identify other Sections that are related to, and/or dependent on, the work results or information specified elsewhere. The list should be limited to Sections with specific information that the reader might expect to find in this Section, but is specified elsewhere. For example, if hardware for aluminum entrances is specified in the aluminum entrance Section, a cross-reference would be appropriate in the finish hardware Section. The purpose of this cross-referencing is for information only, to aid in finding those other requirements—not to define the scope of the Section.

### Cross-referencing here may also be used to coordinate assemblies or systems whose components may span multiple Sections and which must meet certain performance requirements as an assembly or system.

### Contractor is responsible for coordination of the Work.

### This Section is to be completed/updated during the design development by the Consultant. If it is not applicable to the section for the specific project it may be deleted.]

### [List Sections specifying installation of products supplied but not installed under this Section and indicate specific items.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Execution requirements for ...[item]... specified under this Section.

### [List Sections specifying products installed but not supplied under this Section and indicate specific items.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: Product requirements for ...[item]... for installation under this Section.

### [List Sections specifying related requirements.]

### Section [\_\_\_\_\_\_ – \_\_\_\_\_\_\_\_\_\_\_\_]: [Optional short phrase indicating relationship].

## Environmental Requirements

### The operation of construction equipment within water bodies or watercourses is prohibited.

### Borrow material from watercourse beds may only be used when approved by the Consultant.

### Design and construct temporary crossings to minimize environmental impact to watercourses.

### Constructing temporary crossings of watercourses when spawning beds are indicated is prohibited.

### Dumping excavated fill, waste material, or debris in any watercourse is prohibited.

## Measurement and Payment

### [The Work outlined in this Section will be measured and paid for at the unit price as indicated in the Bid Form] or [The Work outlined in this Section is included in the Contract Price.] or [The Work outlined in this Section will be measured and paid for at the unit price for Work under Section ………]. [Select appropriate method for each project].

# PRODUCTS

## Preparation

### Obtain work permits issued by the applicable governing Federal, Provincial and/or Municipal Conservation authorities and maintain them on Site.

# EXECUTION

## Existing Conditions

### Maintain the existing flow pattern in natural watercourse systems.

### Maintain the existing riffle/pool and step/pool patterns in natural systems.

## Site Clearing and Plant Protection

### Conduct the Work in a way which provide minimum disturbance to vegetated buffer zones. Protect trees and plants on the Site and adjacent properties where indicated in the Contract Documents.

### Wrap in burlap, any trees and shrubs adjacent to construction work, storage areas and trucking lanes.

### Protect the roots of designated trees to the dripline during excavation and Site grading in order to prevent disturbance or damage. Avoid unnecessary traffic, dumping and storage of materials over the root zones of trees.

### Leave cuttings from trees and other vegetation on Site as brush piles to allow for natural degradation. Secure large piles with degradable materials in order to prevent interference with watercourses.

### Remove only those trees that may offer future blockage problems as instructed by the Consultant.

### Leave root masses and stumps in place.

### Maintain temporary erosion and pollution control features installed under this Contract.

## Drainage

### Pumping water containing suspended materials into a watercourse is prohibited.

### Establish rock chute spillways to accommodate safe surface water entry to a watercourse to the satisfaction of the Consultant.

### Install a drop pipe inlet system to the satisfaction of the Consultant.

## Site Restoration

### Establish vegetated buffer zones with suitable vegetation to a minimum of 3 m along the edge of watercourse banks to the satisfaction of the Consultant.

### Plant vegetation natural to the area, suitable for application without the requirement for fertilizers, pesticides and other chemicals.

### Control streambank erosion in lower sections of the watercourse with irregular shaped rip-rap underlain with non toxic filter cloth of a size specified by the Consultant.

### Control streambank erosion in upper sections of the watercourse by planting suitable vegetation as shown on the Contract Drawings or as directed by the Consultant. Planting is to occur within 5 Days after the Work within the watercourse is complete.

**END OF SECTION**