# GEneral

## Related Sections

### N/A

## 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 is included in the Contract Price.

# 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**