

## **1.0 GENERAL**

### **1.1 SUBMITTALS**

Provide the following submittals

- .1 Submit copies of permits or licenses for off-Site disposal of materials and debris.
- .2 A list of proposed temporary storage locations for salvaged materials at least 7 days prior to commencing salvage activities.

### **1.2 WORK SEQUENCING**

- .1 Commence demolition and salvage work as specified in Section 01110 – Summary of the Work and project Drawings.
- .2 Sequence demolition of any existing culverts/pipes and construction of the new culverts/pipes such that existing areas remain free draining at all times.

### **1.3 RECYCLABLE MATERIALS**

- .1 Unless specified otherwise in this section, all materials indicated or specified to be permanently removed or demolished from the Site become the property of the Contractor. Maximize the recycling of such materials, consistent with proper economy and expeditious performance of the Work.

## **2.0 EXECUTION**

### **2.1 GENERAL**

- .1 Prior to commencing demolition and salvage, inspect the Site and verify with the Owner and Engineer of Record items designated for demolition, salvage, and removal.
- .2 Locate and protect existing utility lines, survey reference points, instrumentation, and other facilities that are to remain in place before commencing the Work.
- .3 If any Utility service lines are connected to the items to be demolished or salvaged, confirm with the Utility that the service lines are not in operation, or make arrangements with the Utility to shut down the service lines.
- .4 All work is to conform with Regulatory Requirements, including safety requirements established by the Occupational Health and Safety Act (Alberta).
- .5 At the end of each shift, leave the work in a safe and stable condition, so that no part of it is in danger of toppling, falling, or sliding. Site safety and security is the responsibility of the Contractor.

- .6 Do not use blasting to perform demolition work. Burning of disposal materials is not permitted on-Site.
- .7 Perform work in a manner that prevents the loss or damage of materials specified for salvage. Repair or replace damaged materials as required by the Owner or Engineer of Record.

## 2.2 EXCAVATION AND BACKFILL

- .1 If required, provide excavations of sufficient width and depth to permit demolition and salvage, and subsequent placement of fill materials as specified in the Contract Documents. Perform excavations in accordance with Section 02315 – Excavation and backfill in accordance with Section 02331 - Fill Placement.

## 2.3 DEMOLITION AND REMOVAL OF STRUCTURES

- .1 Demolish and remove the following existing structures. Note some structures may be partially demolished:

Existing Structure	Approximate Station
Asphalt Pathway (L=770m, A=1480m <sup>2</sup> )	3+056 to 3+826
Standpipes (4)	3+110, 3+170, 3+570, 3+805
Wood Power Poles (3)	3+185, 3+210, 3+250
Chain Link Fence (L=125m)	3+140 to 3+250
Chain Link Fence Around Tennis Courts (L=140m)	3+250 to 3+285
Tennis Court Surface (A=1190m <sup>2</sup> )	3+250 to 3+285
Irrigation Lines (Extents unknown)	3+250
Asphalt Path and Slab (A=185m <sup>2</sup> )	3+390
Wooden Benches (3)	3+390
Concrete Path (L=6m, A=10m <sup>2</sup> )	3+540
Bollards and Pylon (3)	3+545
Chain Link Fence and Tree Well (5) (Total L=60.3m)	3+630, 3+650, 3+660, 3+665, 3+735
Concrete Path (L=10m, A=15m <sup>2</sup> )	3+755
Tree Well (L=13.1)	3+780

- .2 For the demolition and removal of the irrigation lines at approximately STA 3+250, if excavation to a depth greater than 0.45 m is required to remove the line consult the Engineer of Record prior to proceeding with the work.
- .3 The Contractor is to provide the Engineer of Record a description of their methodology for the removal/decommissioning of the identified standpipes prior to proceeding with the work. It should be anticipated that a portion of each standpipe will be grouted in place.

**2.4 MATERIALS TO BE SALVAGED BY THE CONTRACTOR AND REINSTALLED (IF DEEMED SUITABLE FOR RE-USE)**

- .1 The Contractor is to remove the following structures and reinstall at a location specified by the Owner and Engineer of Record (if deemed suitable for re-use by the Owner and Engineer of Record).

Existing Structure	Approximate Station	Note
Playground Structure and Playground Gravel Fill	3+195	Remove as required to perform work and reinstall
Memorial Picnic Tables (2)	3+225, 3+380	Relocate per Owner
Memorial Benches (8)	3+235, 3+390, 3+430, 3+515, 3+745, 3+760, 3+775, 3+815	Relocate per Owner
Garbage Bins (2)	3+240	Relocate per Owner
Brick Plaques (2)	3+360, 3+370	Relocate per Owner
Petrified Wood Monuments (2)	3+365, 3+415	Relocate per Owner
Sign	3+390	Salvage and reinstall
Rubber Matting (A=145 m <sup>2</sup> )	3+400 to 3+465	Salvage and provide to Owner
Chain Link Fence (L=190m)	3+560 to 3+755	Salvage and reinstall

- .2 Salvage the following materials (if required) and re-use as directed by the Owner and Engineer of Record.
  - .1 Removed concrete manhole and catch basin slabs, barrels, lids, frames, and covers should be reviewed by the Engineer of Record to determine if they can be salvaged and reincorporated into the Work.
- .3 Neatly roll, bundle, or crate salvaged materials and store in an orderly fashion at storage location approved by the Owner and Engineer of Record. Collect smaller items, such as bolts, in suitable containers and label the containers accordingly.

**2.5 DEMOLITION OF CONCRETE STRUCTURES**

- .1 Demolish and remove any existing concrete structures where specified in the Contract Documents.
- .2 Demolish concrete into individual pieces with a maximum size of approximately 0.5 m<sup>3</sup>.
- .3 If applicable, cut exposed reinforcing steel to within 25 mm of the concrete surface and dispose of reinforcing steel off-Site.

**2.6 DISPOSAL**

- .1 Remove demolished materials at an appropriate recycling facility, or at an appropriate off-Site waste disposal facility.

**2.7 CLEAN-UP**

- .1 Finish the demolition work areas to a leveled and neat condition.

**END OF SECTION**