

## **Parks Canada Agency (PCA)**

### **Dolly Varden Day Use Area – Interpretive Area**

#### **Statement of Work:**

**Scope of Work:** The work consists of the construction of an interpretive area at the Dolly Varden Day Use Area in Kootenay National Park, British Columbia. The area of construction will be the entirety of the Dolly Varden Day Use Area. The contract includes the excavation of a 15m x 26.8m elliptical area, 1.6m deep in the center and the installation of a culvert as seen in drawings. The contractor will be required to supply and apply 100mm of invasive free, Parks Canada approved topsoil over the disturbed area and hydroseed with approved seed mix. All excavated material as well as the what is left of the existing soil pile at the North end of the site (photo below) must be removed from the National Park and disposed of by the contractor. The signs, sign posts (excluding posts listed below to be supplied by contractor), cement stepping stones and the culvert with hardware will be supplied by Parks Canada Agency (PCA).

**Drawings:** All work to be performed as drawn and specified on the included drawings.

#### **General Requirements:**

- 1) Perform all works as specified in drawings.
- 2) Contractor responsible for site safety, security and site signage.
- 3) Contractor must properly dispose of all excavated and unused material offsite and outside of the National Park.
- 4) Unused material remaining at the end of job from stock at north end of the site to be removed by contractor and disposed of offsite and outside of the National Park at end of project.
- 5) Supply and install 1x 3m length 100mm diameter pressure treated Pine or Spruce post for high jumping activity.
- 6) Supply and install 4x 2.1m length 100mm diameter pressure treated Pine or Spruce posts for running and long jumping activities.
- 7) Supply and install 6x 1.8m length 100mmx100mm pressure treated Pine or Spruce posts for mounting interpretive panels.
- 8) Supply and Install 1x 1.8m length 200mmx200mm pressure treated Pine or Spruce post for mounting interpretive panels.
- 9) All sawdust from pressure treated posts must be controlled and properly disposed of outside of the National Park.
- 10) Supply and Install all 14 x 2 Torx-pin Button Stainless Steel (T-27 Torx-pin bit) tamper proof hardware required to install interpretive panels on contractor supplied posts as well as fish panels in the culvert.
- 11) Contractor to supply required wire fencing.
- 12) Contractor to supply shop drawings for all contractor provided goods and materials for approval by PCA.
- 13) Contractor responsible for conducting all soil, aggregate and concrete testing required to prove material meets the Canada culvert drawing specs. These tests include but are not limited to; concrete certification and strength tests, sieve analysis, Standard Proctor test, compaction

testing on all lifts, fracture count, friction angle test and Micro Deval test. All tests must be performed by a CSA certified lab and a signed engineering report for each test must be provided.

- 14) Jumpout structure to be included in construction as per drawings included by D. Gunn.
- 15) Supply and application 100mm PCA approved topsoil to all disturbed areas.
- 16) Supply and apply hydroseed to all disturbed areas using approved seed mix.
- 17) Seed mix:
  - 26% Violet Wheatgrass
  - 26% Mountain Bromegrass
  - 17% Awned Wheatgrass
  - 14% Bluebunch Wheatgrass
  - 8% Rocky Mountain Fescue
  - 5% Tufted Hairgrass
  - 2% Junegrass
  - 2% Alpine Bluegrass
- 18) Supply and install all pressure treated fence posts and fencing as specified on drawings.
- 19) Supply and install shrubs as specified in drawings.
- 20) Install all interpretive signs and cement stepping stones provided by PCA.
- 21) Install Heritage Grader supplied by PCA as specified in drawings. Concrete anchor to be formed and poured by contractor.
- 22) Contractor to form and pour all concrete to specifications in Canada Culvert Drawings.
- 23) Contractor to provide Engineered, stamped shop drawings for all overpass backfill material.
- 24) Contractor required to move picnic tables for construction period and replace at PCA specified locations on site upon completion. Tables to be dug into soil to top of base and leveled upon replacement.
- 25) Locations of all signs to be decided by PCA on site.
- 26) Layout of excavated area must be reviewed on site by PCA before excavating.
- 27) Culvert to be installed by contractor supplied by PCA. All installation of culvert and retaining plan to be performed to Canada Culvert Specs and Roseke Engineering Drawings. All backfill must meet drawing and specification requirements.
- 28) Culvert, culvert hardware and historic grader must be moved to site by contractor from Kootenay Crossing.
- 29) All materials are to be installed as per manufacturer's instructions/recommendations.
- 30) Contractor must have all appropriate permits and licences to work in the area.
- 31) Contractor must provide a site safety plan, an environmental protection plan and an emergency response plan.

### **Contractors Responsibility:**

The contractor will supply all specified materials, manpower, tools, and equipment to construct the interpretive area.

### **Constraints:**

- 1) The successful bidder shall be qualified to undertake the necessary work

- 2) The successful bidder must have a valid business licence for Kootenay National Park and all vehicles must have a valid park pass.
- 3) Time is of the essence, the contractor shall pursue completion of the work immediately upon award.
- 4) Submit, with the application for progress payment, a current Statutory Declaration verifying that all Subcontractors, Suppliers, labour and accounts for services, materials, machinery and equipment, and any other indebtedness, which may have been incurred by the Contractor, directly or indirectly, in the performance of the Work have been fully paid by the Contractor except of unpaid holdbacks on such subcontracts and that no lien has been filed against the Contractor, the Project, the premises or any materials supplied to or incorporated into the Work or in respect of anything done under or by virtue of the Contract. A Statutory Declaration shall be submitted for the second and all subsequent payment applications. If only one payment application is made for the Work, the Statutory Declaration is to be submitted with the first payment application.
- 5) Submit, with the application for progress payment, a letter of clearance or certificate from Workers' Compensation Board verifying that all assessments due by the Contractor have been fully paid.
- 6) Site Safety: The contractor is responsible for all site safety. Contractor must fill in Attestation Form that is attached with proof of compliance with occupational health and safety.
- 7) The work will be inspected periodically by PCA during construction.
- 8) Contractor must secure road access from public for duration of construction.
- 9) Contractor must secure site from all public for the duration of construction.
- 10) Contractor must ensure that site is tidy at the end of each work day.
- 11) Cleanup: Contractor must clean up all construction material and dispose of outside of the National Park. Magnetic rake ground for screws and other metallic debris.
- 12) All work to be completed no later than April 28, 2017.

Pictures:

#1 Existing site condition





#2 Soil, unused soil required to be removed from site

