



## STATEMENT OF WORK

### SIMPSON RIVER TRAILHEAD AND BOW LAKE SOUTH PRIVIES

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#### 1.0 INTRODUCTION

Parks Canada Agency (PCA) is seeking a qualified, experienced contractor to demolish and replace an existing aged privy and vault at Bow Lake South in Banff National Park, and to construct a new privy and vault at the Simpson River Trailhead in Kootenay National Park. This work is to be completed by October 1, 2022.

#### 2.0 OBJECTIVES

- 2.1 The Contractor will coordinate all work with a Departmental Representative (DR) from PCA throughout the duration of this project. The Contractor will perform all work as described in this Statement of Work.
  - 2.1.1 Demolition of all structural elements and foundations, removal of all waste;
  - 2.1.2 Supply and installation of two (2) new pre-cast concrete vaults and complete privy structure;
  - 2.1.3 Site grading, landscaping, and rehabilitation including topsoil and seeding.

#### 3.0 LOCATION

- 3.1 Bow Lake South: ~40kms north of the village of Lake Louise on Highway 93 North (Icefields Parkway), Banff National Park. The day-use area is on the west side of the highway.
- 3.2 Simpson River Trailhead: ~47km southbound from Castle Junction on Highway 93 South (Banff-Windermere Highway), Kootenay National Park. The trailhead is on the east side of the highway.

#### 4.0 BACKGROUND

- 4.1 Bow Lake South is a busy day-use area, viewpoint and picnic site. There is one asphalt road leading in and out of this site to the location of the existing privy. There is a small 5-10 vehicle parking area and turn-around. This site can be closed to the public during construction.
- 4.2 There is no existing privy at the Simpson River Trailhead. This site has a small 15-20 vehicle parking area. Visitors to this site park and use the hiking trail. During construction, access to the trailhead must be maintained and a minimum of 10 parking spots kept available.

#### 5.0 SCOPE OF WORK

- 5.1 Perform all work as described in this Statement of Work; including:
  - 5.1.1 Mobilization and demobilization of all required equipment, personnel, and materials to and from the worksite.
  - 5.1.2 Assumption of Prime Contractor responsibilities for all required work activities and processes throughout the complete performance of this work.



- 5.1.3 Provide and maintain necessary perimeter protection including hoarding, fencing, barricades, lights, and warning signs.
- 5.2 Submission, for PCA review, all complete shop drawing documentation and product information for all project elements including but not limited to:
  - 5.2.1 Engineer-stamped drawings and specifications of privy design based on reference drawings, PCA input, as well as desired elements and functionality of similar privy designs provided as part of this package.
- 5.3 Demolish existing privy structure and privy vault tank at Bow Lake South site.
  - 5.3.1 Demolition of building; walls, framing, decking, floor, roofing and all structural elements.
  - 5.3.2 Demolition of concrete vault tank.
  - 5.3.3 Perform a bird sweep of the building structure by a Qualified Environmental Professional (QEP) within 14 days prior to the start of exterior surface demolition. Qualifications of the QEP shall be submitted to the DR for approval.
  - 5.3.4 Parks Canada is not aware of any hazardous materials contained in the existing privy building structures at Bow Lake South. Concerns will be addressed as required upon site walk-through, demolition, and associated assessment if necessary.
  - 5.3.5 Removal of all waste associated with demolition for proper disposal outside of the national parks. Supply and removal of waste containers as required is the responsibility of the Contractor.
- 5.4 Supply and installation of two new 2-hole vault toilets as per contractor supplied shop drawings and specifications. One at Bow Lake South and one at Simpson River Trailhead.
  - 5.4.1 Supply and installation of pre-cast concrete tanks according to Contractor supplied drawings and specifications.
  - 5.4.2 Supply and install of pre-cast concrete buildings according to Contractor supplied drawings and specifications.
  - 5.4.3 Buildings are to be made to match the style of the drawings and photos of existing privies presented for reference with this package.
  - 5.4.4 Buildings must be built according to CSA accessibility standards and building code.
  - 5.4.5 Toilet paper, hand sanitizer dispensers and wall-mounted garbage bin will be supplied by Parks Canada.
  - 5.4.6 Inspection and testing of vaults includes and is not limited to:
    - 5.4.6.1 Inspection of interior surfaces of tanks prior to hydraulic testing.
    - 5.4.6.2 Hydrostatic leak test in accordance with standard for open or covered containment structures.
    - 5.4.6.3 Tanks may be backfilled only once test results are successfully completed.
    - 5.4.6.4 Contractor is responsible for the supply and disposal of water for hydraulics testing.
- 5.5 Construction of pathway to facilities.



- 5.5.1 Regrade existing path at Bow Lake South location between parking area and facility. Install compacted crushed aggregate (9mm or less) to meet accessibility surface and slope requirements. Pathway, site grading, and final landscaping plans to be submitted to DR for review and approval prior to construction.
- 5.5.2 Path at both privy locations must include proper site grading and compaction of materials as per provided Accessibility guidelines.
- 5.6 Rehabilitation of Sites.
  - 5.6.1 Complete site rehabilitation must include site grading and compaction, landscaping including topsoil distribution, seeding and sufficient watering/monitoring, and reclamation of all disturbed areas. Items not specifically mentioned that are associated with the proper execution of this work are considered incidental to the contract work and will not result in additional cost to PCA.
  - 5.6.2 All backfill and aggregate material is to be a clean fill that is free of organic material and frozen ground. All fill and aggregate materials must be preapproved by the DR prior to purchase and certificates of composition must be submitted. The site must be graded so that water drains effectively. All excavated topsoil shall be stockpiled on site. Backfill shall have existing local topsoil distributed and graded evenly across the site for seeding purposes.
  - 5.6.3 All disturbed areas must be seeded by means of hand distribution with an approved seed mix outlined in the Seed Mixes and Reclamation Strategies for Projects in the LLYK Field Unit document included in the Reference Package. The seed mix shall have a seed analysis performed and submitted to the DR for approval prior to use. Contractor shall use their best effort to minimize their footprint during demolition.
- 5.7 All work outlined in this Statement of Work is subject to a warrantee period of one year starting upon final inspection and completion approved by the DR.

## 6.0 GENERAL CONSTRAINTS

- 6.1 The Contractor shall strive to begin work as soon as possible after contract award. Substantial Performance to be completed by September 15, 2022. All work described in this Statement of Work must be complete by October 1, 2022.
- 6.2 The contractor and any subcontractor must obtain and maintain a valid PCA business license for both Banff and Kootenay national parks. (Available by contacting Townsites and Realty via email: [llyklotissementsurbains-llyktownsites@pc.gc.ca](mailto:llyklotissementsurbains-llyktownsites@pc.gc.ca))
- 6.3 The contractor and any subcontractor must obtain a Restricted Activity Permit (RAP) in coordination with DR - at no cost, for transporting materials on the Highway 93 North if in excess of the gross vehicle weight restriction of 4550kg.
- 6.4 Work shall only be completed between the hours of 8am and 6pm, Monday through Friday. Necessary work to be completed on weekends or statutory holidays will require preapproval from the DR.
- 6.5 Prior to any start of work or changes in scheduling, notice must be given to the DR and approval must be granted at a minimum of 48 hours prior.
- 6.6 The Contractor shall cease work and notify the DR immediately if artifacts or unknown objects with potential archeological value are found during excavation activities.
- 6.7 Contain all work and debris within the established construction boundary at each location. The worksite must remain free of all waste and debris including, but not limited to: material scraps including drywall, wood, glass, metal, concrete, as well as nails and screws.



- 6.8 Damages to the sites incurred by the Contractor must be repaired with no cost to the Client. All repairs must be done in accordance with applicable standards and norms and consistent with existing finishes and conditions.
- 6.9 The Simpson River Trailhead and portion of parking area must remain accessible to the public throughout the construction period.

## **7.0 ENVIRONMENTAL CONSTRAINTS**

- 7.1 All work performed must adhere to the environmental regulations in the Preapproved Routine Impact Assessment Front-country Areas (PRIA) provided in the Reference Package associated with this Statement of Work.
- 7.2 Maintain a tidy and consolidated workspace free of animal attractants, or accumulated waste. Ensure cleanup of the work areas each day after completion of work.
- 7.3 If evidence of a bat or bird species is found within the building during demolition, the Contractor shall cease all work and notify the DR immediately.
- 7.4 The Contractor shall be responsible for all sediment and erosion control measures associated with the execution of the work.
- 7.5 Trees are not to be removed or damaged during the demolition process. Tree protection measures will be required for all trees on the property. The Tree Protection Zone distances are to be measured from the base of the tree trunk outward beyond the drip line. The contractor shall install 1.2 m brightly colored snow fencing along the Tree Protection Zone as part of the tree protection measures.
- 7.6 Necessary equipment shall arrive on site clean, and free of invasive species and foreign soil. Additionally, equipment must be properly maintained, free of leaks, fitted with a fire extinguisher, first aid kit and spill kits of sufficient size. A leakage collection device must be placed under any piece of heavy equipment stored overnight or longer. Review and abide by additional requirements for equipment outlined in the PRIA.
- 7.7 Burning of debris or waste is not permitted.
- 7.8 A PCA Environmental Assessment Officer will conduct site visits regularly in order to perform surveillance and enforce environmental regulations and Best Management Practices. Failure to comply with any environmental regulation will result in a stop work order as well as applicable legal/ penalty recourse.
- 7.9 Pets are not permitted on site.

## **8.0 HEALTH AND SAFETY**

The Contractor shall be responsible for the health and safety of all persons, property and the environment on site. The Contractor must:

- 8.1 Ensure that all staff have a working knowledge of Occupational Health and Safety Guidelines and that all work is executed in accordance with respective provincial standards.
- 8.2 Provide necessary barricades, fencing, and signage to prevent the public from accessing the worksite.
- 8.3 Ensure that Personal Protective Equipment (PPE) is used and employed correctly by all persons accessing the site.
- 8.4 Provide properly maintained first aid equipment on site.
- 8.5 Record and document any near miss or injuries and communicate all incidents with the DR immediately after appropriate action is taken.



- 8.6 Comply with and enforce any applicable Federal, Provincial and Municipal regulations and statutes.
- 8.7 Adhere to COVID-19 safety regulations and advisories. The contractor shall provide a site specific COVID-19 protocol for any contractor personnel on site.

## **9.0 MEETINGS**

- 9.1 Initial meeting upon contract award to discuss scheduling, project submittals, as well as any other outstanding or general project requirements (virtual meeting is acceptable).
- 9.2 On-site pre-construction kick off meeting at each location; Bow Lake South and Simpson River Trailhead).
- 9.3 Weekly progress updates as required to discuss scheduling changes, and outstanding requirements.
- 9.4 Regular site inspections with Parks Canada DR.
- 9.5 A substantial completion walkthrough to identify deficiencies.
- 9.6 A final walkthrough prior to demobilization.

## **10.0 SUBMISSIONS**

Prior to mobilization the Contractor will be required to submit the follow documents to the DR. All submittals are subject to revisions and re-submissions as necessary, at the discretion of the DR. All submissions shall be submitted in pdf format unless otherwise approved or requested by the DR. Work affected by submittals shall not proceed until review is complete. Additional submittals not specifically mentioned below may be requested at no additional cost to PCA.

- 10.1 Environmental Protection Plan (EPP) as well as an Erosion and Sediment Control (ESC) Plan. The EPP shall include all associated potential environmental impacts and associated risk mitigations.
- 10.2 Site safety plan showing project layout, construction boundary, locations of the first-aid station, evacuation route and marshaling station, and the emergency transportation provisions.
- 10.3 Health and Safety plan, Fire Safety Plan and an Emergency Response Plan as separate documents.
- 10.4 Copies of necessary work permits, permits for transportation and disposal of hazardous waste if required, obtained from appropriate agencies.
- 10.5 Demolition Sequence Plan and Initial schedule. Updated schedules shall be provided to the DR upon request.
- 10.6 Confirmation of a valid business license for both Banff and Kootenay national parks.
- 10.7 Daily progress reports.

## **11.0 DELIVERABLES**

Upon project completion, deliverables associated with this project consist of:

- 11.1 Engineer-stamped drawings and specifications for two 2-hole vault toilet buildings for Simpson River and Bow Lake locations.
- 11.2 Test reports for hydraulics tests.
- 11.3 The successful demolition and proper waste removal of the Bow Lake South privy.



- 11.4 Supply and installation of new privies at Bow Lake South and at Simpson River Trailhead.
- 11.5 Backfill and rehabilitation of each site.

## **12.0 REFERENCE DOCUMENTS**

Reference documents provided in the Reference Package include:

- 12.1 REF DOC 12.1 Bow Simpson Moraine Location and Photos
- 12.2 REF DOC 12.2 Reference Drawings
- 12.3 REF DOC 12.3 Preapproved Routine Impact Assessment Front-country Areas