

Bidder's Meeting

Lead Abatement and Soil Remediation SS Klondike, Whitehorse, YT

Project Number: R.113311.001

Date: August 20, 2021

Time: 11:00am (PDT)



Public Services and
Procurement Canada

Services publics et
Approvisionnement Canada

Canada

Presentation Summary

- ◆ Background
- ◆ Scope of Work
- ◆ Site Location and Site Map
- ◆ Lead Abatement (Base Work)
- ◆ Soil Remediation (Optional Work)
- ◆ Unit Price Table
 - ◆ Base Work (A)
 - ◆ Optional Work (B)
- ◆ Video of Site

Background

- ◆ The S.S. Klondike is a retired sternwheeler located on the banks of the Yukon River in Whitehorse, Yukon. The ship is owned by the Government of Canada and operated by Parks Canada as a National Historic site, open to visitors from May to September each year.



Scope of Work

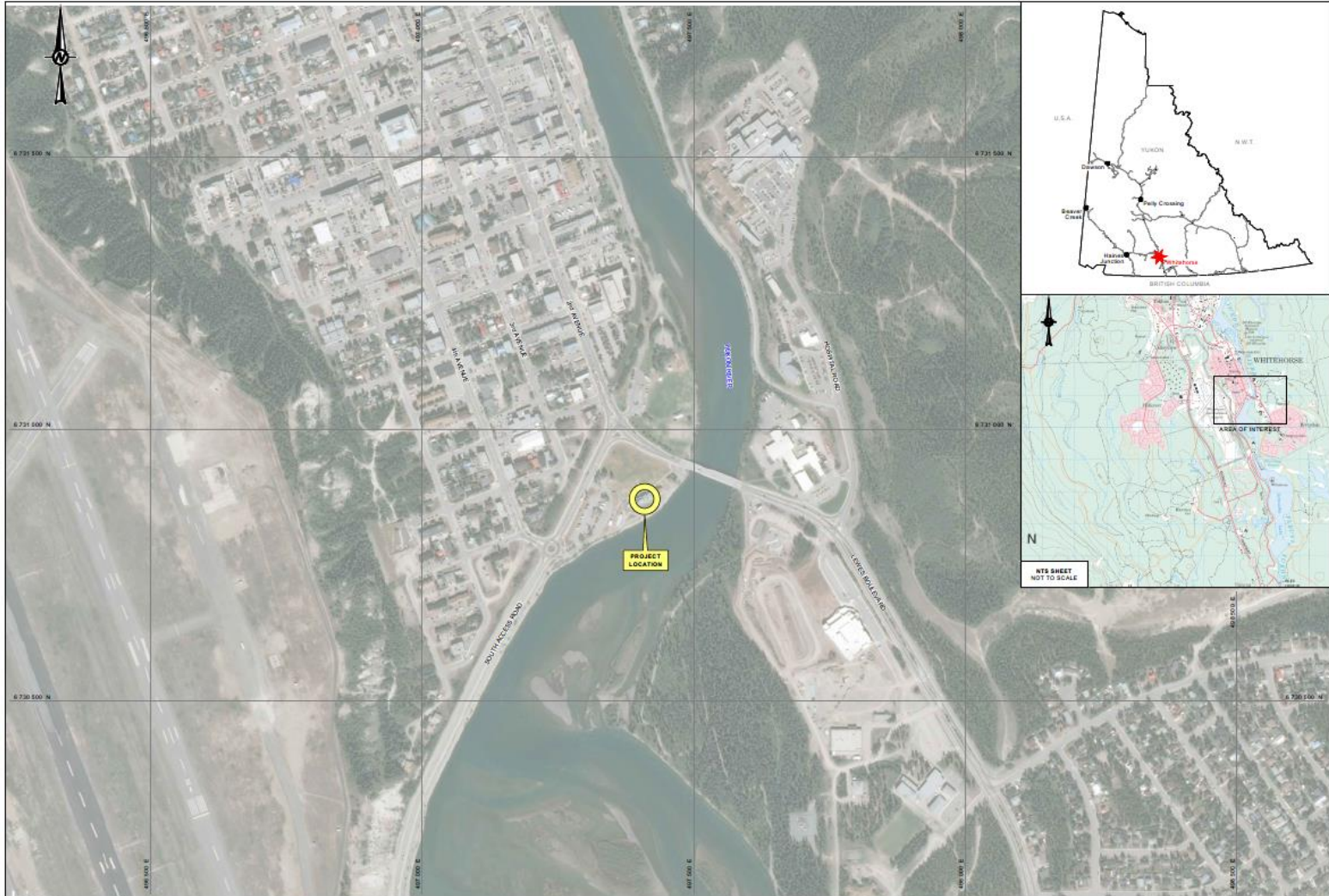
◆ Base Work:

- ◆ Lead-paint abatement of the Paddlewheel and associated components
- ◆ Main rudder replacement
- ◆ Repainting the Paddlewheel and associated components

◆ Optional Work:

- ◆ Remediation (excavation, disposal, and backfilling of new material) of contaminated soils below the Paddlewheel. Excavation estimated to be 12.5m x 8.5m x 0.6m (deep).

Site Location



Site Map



LEGEND	
	CONTRACTOR EXCLUSIVE USE AREA
	OVERHEAD POWERLINE
	UNDER-GROUND ELECTRICAL (APPROXIMATE FROM PHOTOS)
	EDGE OF ASPHALT
	BOARDWALK
	GRAVEL PATH
	EASEMENT BOUNDARY
	LOT BOUNDARY (SITE EXTENTS)
	LOT BOUNDARY
	ROCK GARDEN
	GRASS AREA
	CONCRETE SIDEWALK
	BIKE RACK
	POWER POLE, GUY AND ANCHOR
	SIGN
	BOLLARD
	COLLAPSIBLE BOLLARD
	FLACKES/MONUMENTS
	FIRE HYDRANT
	FLAG POLE
	LAWNS PRINKLERS
	BENCHES
	MISCELLANEOUS FEATURES
	DOG HOUSE TREE
	CONIFER TREE
	BUSH
	FLOOD LIGHTS
	LAMP POST

Lead Abatement Work Area

- ❖ All material located behind the main hog pole, including but not limited to, stern face, paddles, drive arm, walking beam, crank arm, monkey and main rudders, support arm, aft beam.



Scope of Work

- ❖ Remove orange painted wood main rudders (4) with paint intact. Rebuild and replace wood main rudders (4) to match existing size and shape, using existing hardware.



Scope of Work

- ❖ Remove all white, orange and black paint on all metal material.
- ❖ Remove all white and orange paint from wood material.
- ❖ Repaint all abated material, including the four (4) main rudders that are being rebuilt.



Photos



Photos



Photos



Photos



Photos



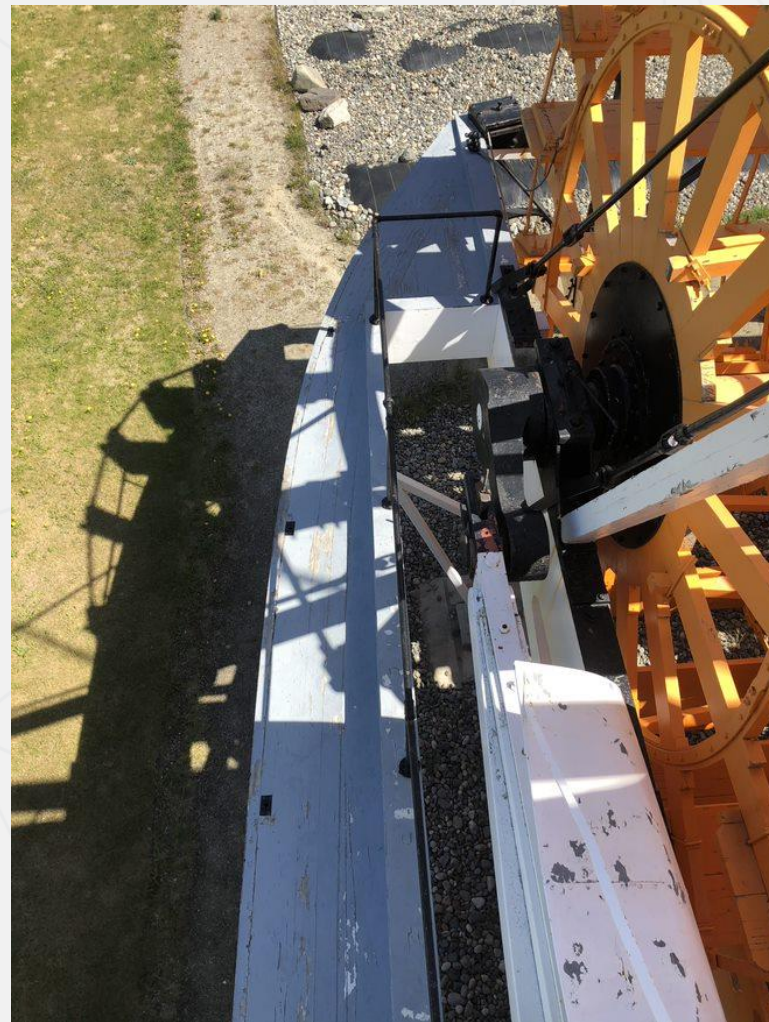
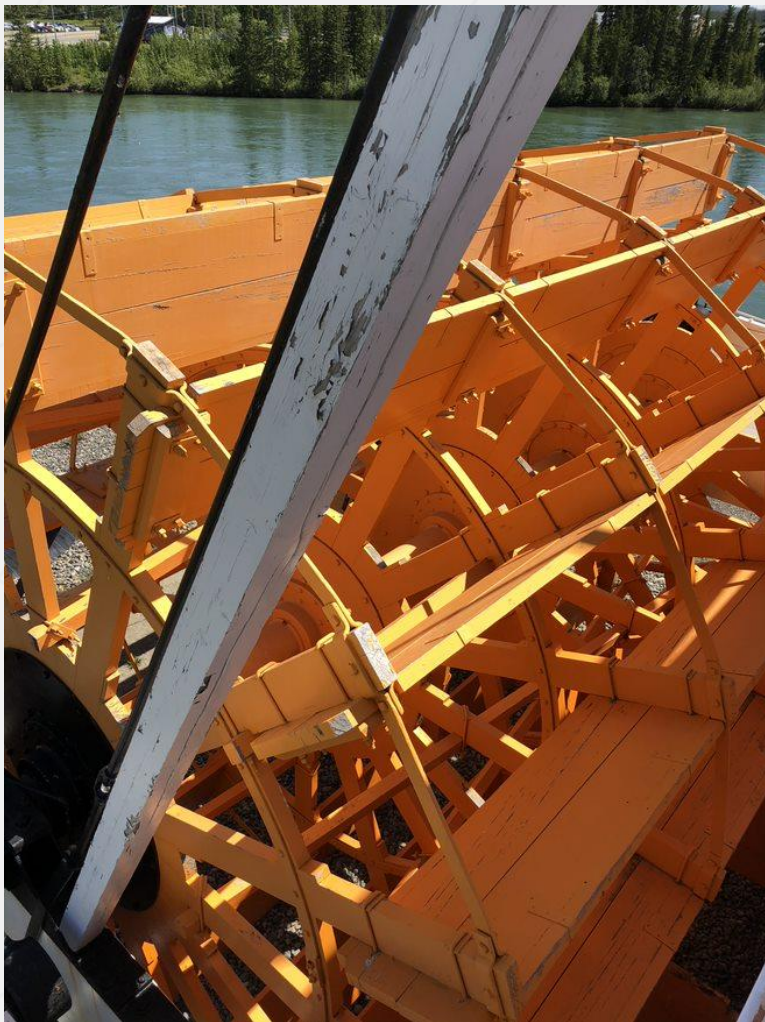
Photos



Photos



Photos



Photos



Photos



Items to Consider

- ❖ Paddlewheel is fixed and does not turn
- ❖ The interior must be sealed to prevent blow-through during media blasting.
- ❖ Electrical power must be supplied and must comply with local noise bylaws.
- ❖ Quite close to the Yukon river, so care must be taken to ensure no waste enters the water ways.
- ❖ If degraded wood is encountered or if the blasting process is degrading the wood, all work must halt, and the Departmental Representative and/or Consultant must be consulted.

Items to Consider

- ❖ Containment should be left in place to allow for shelter during repainting.
- ❖ Spec requires a clear penetrating epoxy sealer applied to all wood/metal after abatement, but prior to repainting. Specific details are in Section 09 91 23 Part 3.
- ❖ Repainting costs must include inspection fees for MPDA Specification Services. Details in Section 09 91 23 Part 1.12.

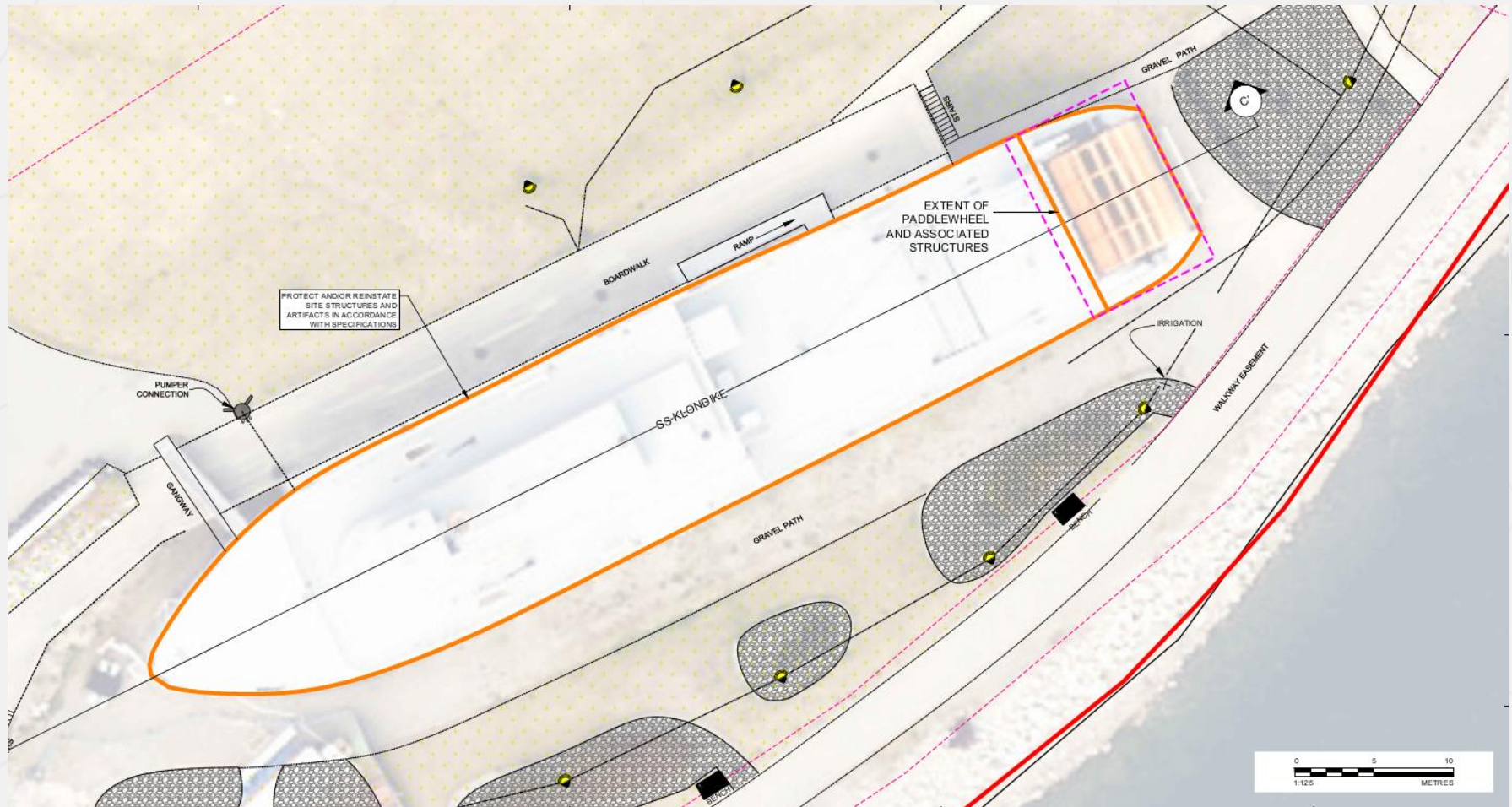
Items to Consider

❖ Overall Dimensions:

- Stern plate to aft end of monkey rudder = 28'3"
- Guard to guard at widest point at stern = 40'
- Top of wheel to ground = 23'
- Top of wheel to bottom of wheel = 20'
- Length of wheel = 25'6"

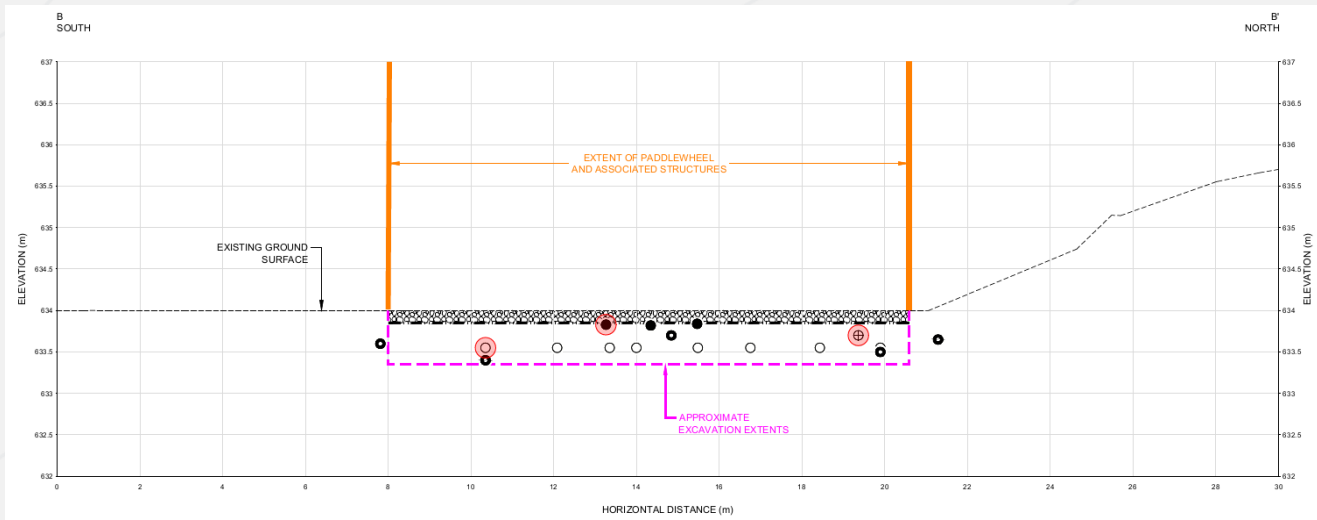
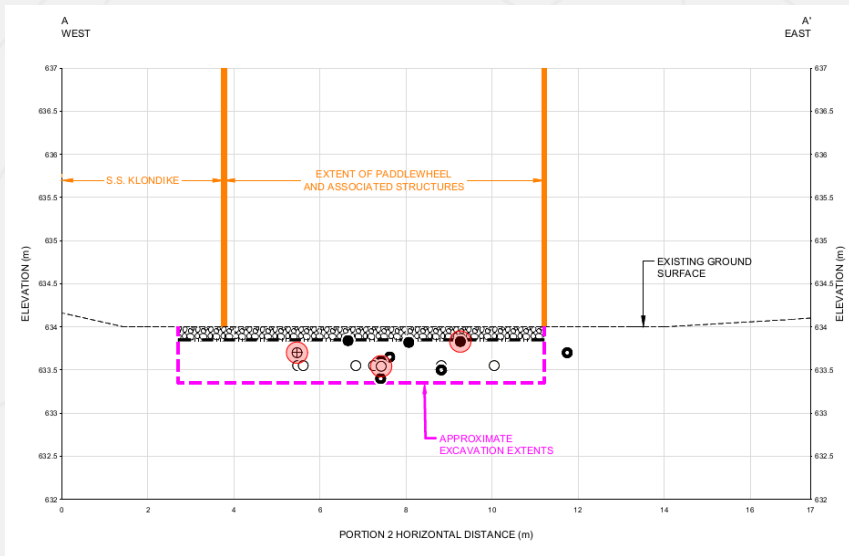
Soil Remediation (Optional Work)

- Remediation of contaminated soils below the Paddlewheel (excavation, disposal, and backfilling of new material)

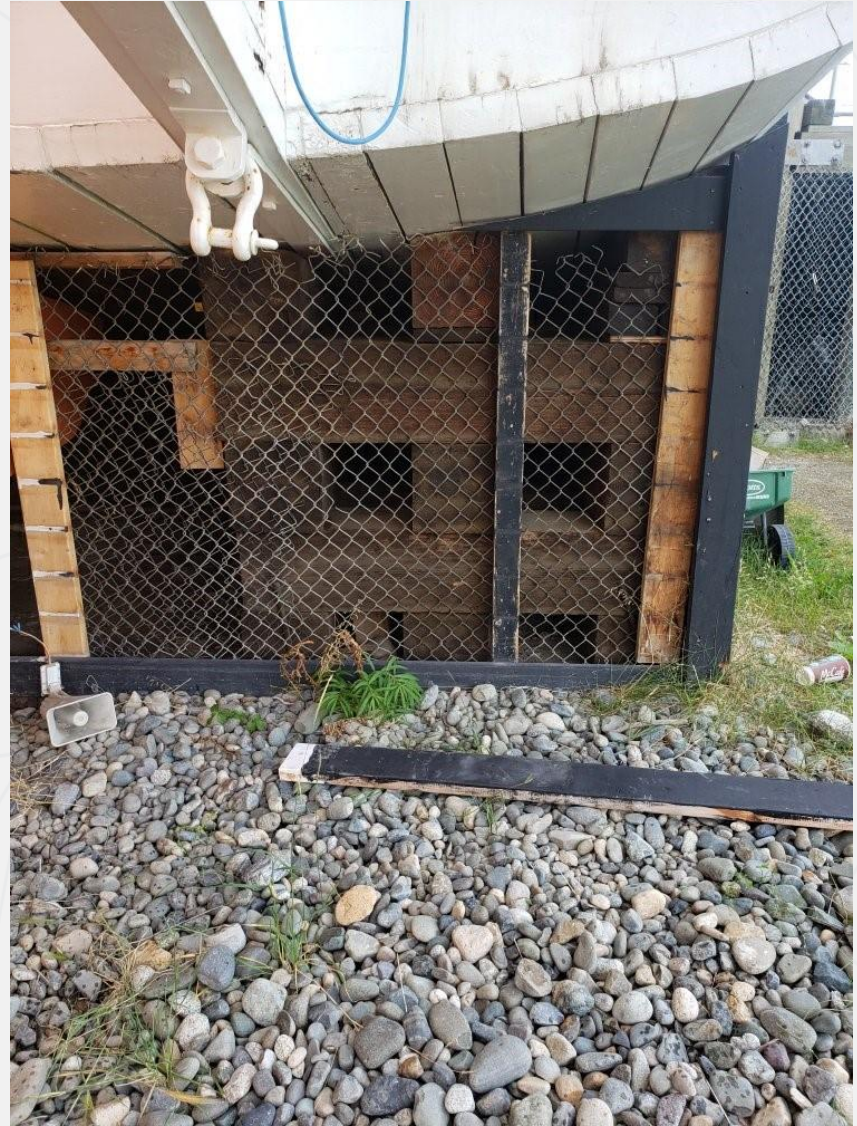


Soil Remediation (Optional Work)

Contaminated soils excavation is estimated to be 12.5m x 8.5m x 0.6m (deep)



Soil Remediation (Optional Work)



Soil Remediation (Optional Work)





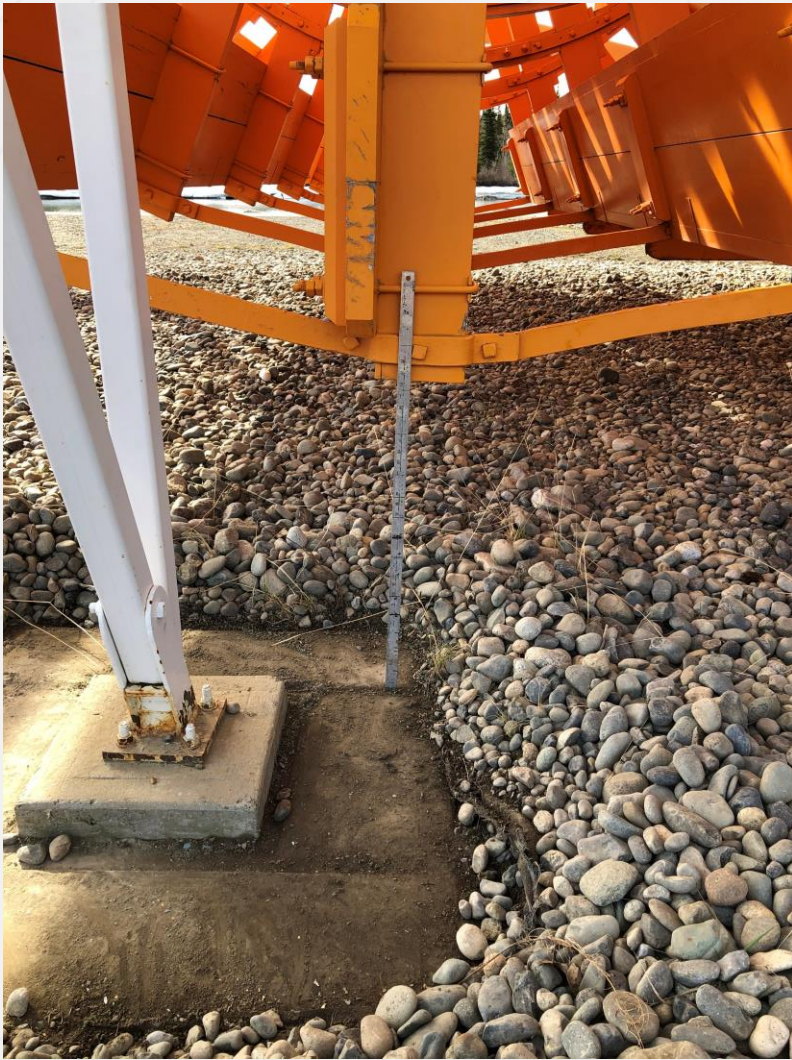
Soil Remediation (Optional Work)



Soil Remediation (Optional Work)



Soil Remediation (Optional Work)



Soil Remediation (Optional Work)



CONTAMINATED SITES REGULATION APPLICATION FOR A RELOCATION PERMIT

The “applicant” is the person filling out this application, and whose name is to appear on the permit. This may be the owner of the contaminated material, the owner or operator of the receiving location, or a consultant working for either party. This person must sign the application form, and is responsible for all permit submission requirements.

Read carefully and fill out all applicable sections. Attach additional pages if necessary.

1. Name and address of applicant	
Contact name and position title	Phone
Business name or government agency/branch/department	Fax
Mailing address	Postal code
Email	Name (person or business) to appear on permit
2. Who is directly responsible for physically relocating the contaminated material?	
<input type="checkbox"/> Same as (1) above, or:	
Contact name and position title	Phone

Unit Price Table (Base Work)

BASE WORK (A)						
	Class of Labour, Plant or Material	Specification Section	Unit of Measure	Estimated Quantity (EQ)	Price per Unit (PU) applicable taxes extra	Extended amount (EQ x PU) applicable taxes extra
1	Pre-Mobilization Submittals	012520 - 1.1.1	Lump Sum	1		
2	Mobilization	012520 - 1.1.2	Lump Sum	1		
3	Site Preparation	012520 - 1.1.3	Lump Sum	1		
4	Standby Time (if required)	012520 - 1.1.4	Days	2		
5	Site Restoration	012520 - 1.1.5	Lump Sum	1		
6	Demobilization	012520 - 1.1.6	Lump Sum	1		
7	Closeout Submittals	012520 - 1.1.7	Lump Sum	1		
8	Site Facilities – Provision	015200 – 1.1.1	Lump Sum	1		
9	Site Facilities - Operation	015200 – 1.1.2	Lump Sum	1		
10	Lead-Containing Paint Abatement from Paddlewheel (including all requirements for containment set-up/tear down; lead waste handling, removal, transportation and disposal)	011155 - 3.1 and 028312	Lump Sum	1		
11	Re-painting of Paddlewheel	011155 - 3.1 and 099123	Lump Sum	1		
12	Rudder Replacement	028312 – 1.1.2.3	Lump Sum	1		
TOTAL PRICE PROPOSAL AMOUNT						
applicable taxes extra						

Unit Price Table (Optional Work)

OPTIONAL WORK (B)						
	Class of Labour, Plant or Material	Specification Division - Section	Unit of Measure	Estimated Quantity (EQ)	Price per Unit (PU) applicable taxes extra	Extended amount (EQ x PU) applicable taxes extra
1	Pre-Mobilization Submittals (Soil Remediation)	012520 - 1.1.1	Lump Sum	1		
2	Mobilization (Soil Remediation)	012520 - 1.1.2	Lump Sum	1		
3	Site Preparation (Soil Remediation)	012520 - 1.1.3	Lump Sum	1		
4	Standby Time (if required) (Soil Remediation)	012520 - 1.1.4	Days	1		
5	Site Restoration (Soil Remediation)	012520 - 1.1.5	Lump Sum	1		
6	Demobilization (Soil Remediation)	012520 - 1.1.6	Lump Sum	1		
7	Closeout Submittals (Soil Remediation)	012520 - 1.1.7	Lump Sum	1		
8	Site Facilities – Provision (Soil Remediation)	015200 – 1.1.1	Lump Sum	1		
9	Site Facilities – Operation (Soil Remediation)	015200 – 1.1.2	Lump Sum	1		
10	Test Pitting (if required)	026100.03 – 1.1.1	Hours	2		
11	Excavation of Contaminated Soil and Material	026100.03 – 1.1.2	Cubic Meters	64		
12	Backfill – Imported	026100.03 – 1.1.3	Tonnes	115		
13	Contaminated Soil Transport-Waste Quality	026100.04 – 1.1.1	Tonnes	115		
14	Contaminated Soil – Waste Quality and Contaminated Material Disposal	026100.06 – 1.1.1	Tonnes	115		
OPTIONAL WORK TOTAL EXTENDED AMOUNT						
applicable taxes extra						