

PARKS CANADA – LA MAURICIE NATIONAL PARK
REPLACEMENT OF 20 WASTEWATER TREATMENT SYSTEMS
PHASE 2
Project 45360460

Price Description and Price Schedule



**PARKS CANADA – LA MAURICIE NATIONAL
PARK**

Replacement of 20 wastewater treatment systems
Phase 2

Price Description and Price Schedule

Prepared by:

Checked by:

Claire Charberet, ing.

Valérie Tremblay, ing., M.Sc.

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PARKS CANADA – LA MAURICIE NATIONAL PARK

REPLACEMENT OF 20 WASTEWATER TREATMENT SYSTEMS

PHASE 2

BID DOCUMENTS

PRICE DESCRIPTION AND PRICE SCHEDULE

PROJECT 45360460

JULY 2016



**Parcs
Canada**

**Parks
Canada**

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APPENDIX A Price Schedule

PREAMBLE

This document presents the price description and payment method that accompany the price schedule for the “Replacement of 20 wastewater treatment systems – Phase 2” project.

0.0 GENERAL CONDITIONS FOR THE CONTRACTOR

0.1 GENERAL MOBILIZATION AND CONSTRUCTION FACILITIES

For all price schedule items

The costs of general mobilization of equipment, trailers, machinery, tools, personnel, materials and temporary facilities, as well as any additional mobilization potentially required to meet the work schedule are included in the different corresponding fixed prices in the price schedule.

Total demobilization of personnel, equipment, trailers, machinery and temporary facilities, unused building materials, demolition materials left on site, scrap materials and construction facilities, including cleaning and restoration at the end of the work, are also included in the different corresponding fixed prices identified in the price schedule.

This price also includes construction facilities, including, but not limited to:

- Site drainage;
- Field and personnel offices;
- Equipment storage facilities;
- Outdoor storage for material and equipment;
- Temporary site signs;
- Costs of transporting, installing and operating vehicles and engines;
- Topographic surveys;
- Supplying all documents required for the work (see Section 01 33 00 of the specifications including shop drawings, as-built plans, operating and manufacturer’s manuals);
- Supplying the work schedule (see Section 01 32 16.07 of the specifications);
- On-site health and safety of personnel and equipment, in accordance with the requirements of Section 01 35 29.06 of the specifications and applicable laws;
- The protection of the environment, in accordance with Section 01 35 43 of the specifications and applicable laws;

- Management and disposal of construction/demolition waste (see Section 01 74 21);
- The transportation of personnel;
- The collection of waste;
- All loading and unloading work;
- Costs of coordinating subcontractors and suppliers;
- Site meetings;
- Performance testing and commissioning;
- Total demobilization of personnel, temporary facility equipment, unused building materials, demolition materials left on site, waste and construction facilities, including cleaning and restoration;
- The dismantling of facilities, removal, cleaning, restoration of the original thickness of topsoil, restoration of the site and disposal of rubble and excess materials at the QPA's request;
- Final cleaning of work completed and all the constraints;
- Any other related costs for the completion.

This amount is spread across the costs of the work and equipment in the schedule.

1.0 SEPTIC TANKS TO DISPOSE OF

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for pumping and disposal of waste water (liquid and solid), excavation, filling and disposal in an approved site. The price also includes excavation, filling and all expenses related to pipes and accessories to dismantle, remove or decommission.

2.0 SEPTIC TANK

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for excavation and backfilling, supplying with all accessories and required equipments (including the pre-filters, the regulator level and alarm for the pre-filter sealing), tank with its accessories and required equipments installation (including excavation and filling), the electrical wiring and connections for the regulator level and the alarm, the alarm installation in a place approved by Canada Parks and the Engineer, the cushion and encasement of the tank, the tank anchors if necessary, the chimneys and lids, seal testing, commissioning and all related work.

3.0 TRENCH EXCAVATION AND FILLING

This price provides a linear meter payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for excavation including rock, removal of existing lines, retaining if required, the supporting of poles and all structures threatened by the excavation. The backfilling includes placing cushions, embedding pipes with borrowed materials and filling the trench with excavated or borrowed materials approved by the Engineer up to the level of infrastructure. The price also includes subjected handling of excavated materials including piling if required, loading and transport to use for backfilling trenches and/or for disposal. In case of disposal, the price also includes leveling of the materials to the satisfaction of the Owner of the land concerned.

4.0 GRAVITY PIPE

This price provides a linear meter payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for the purchase and installation of pipes, all required accessories and connectors, as well as connections to existing ones.

5.0 ADVANCED SECONDARY TREATMENT AND UTILITY DRAINAGE FIELD

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for excavation including rock, removal of existing pipes, installation of new pipes, additional excavation under the existing field, retaining if required, the support of poles and all structures threatened by the excavation. The filling includes placing granular materials, Envirosptic system sand, recovery of the materials of the existing field and filling the excavation with excavated or borrowed materials approved by the Engineer up to the level of infrastructure. The price also includes subjected handling of excavated materials including piling if required, loading and transport to use for backfilling excavation and/or for disposal to a technical landfill centre (LET) for surplus contaminated materials.

6.0 TERRAIN AND GRAVEL PATH REPAIR

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for repairing all damaged surfaces work including gravel, grass surface (topsoil and coco fiber mats) and others, leveling of surfaces, supply and installation of granular material, retrieving and replacing topsoil.

7.0 PAVED PATH OR ROAD OR PARKING AND CONCRETE BORDERS REPAIR

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for the repair of all paved surfaces damaged by the work including granular base (150 mm MG-20), concrete borders poured in place when present, leveling of surfaces and all related work.

8.0 ELECTRICAL CONNECTION

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, required fees or licences, and construction engineering, that are necessary for supply, installation and connection of electrical systems, all accessories required for a complete installation and perfect operation.

9.0 DEFORESTATION AND GRUBBING

This price provides a lump-sum payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services, and required fees or licences, that are necessary for the deforestation, the grubbing, cleaning the grounds, the evacuation of debris from the site and the recovery of topsoil.

10.0 SURPLUS FIRST-CLASS EXCAVATION MATERIAL (WITHOUT DYNAMITING)

This price provides a cubic meter payment for all required measures, actions and supplies, including, but not limited to, management, labour, equipment, materials, permits, professional services that are necessary for excavation rock by mechanical ways (hydraulic hammer and/or ripper) without use of explosives on the site of the works.

The 1st class recovered material is paid per cubic meter and is measured by the mean of area method.

Schedule A

Price Schedule

Parks Canada – La Mauricie National Park

Replacement of 20 wastewater treatment systems

Phase 2 – 45360460

Price Schedule

Item	Description	Unit of measure	Quantity	Price per unit	Total (\$)
1.0	Site #10 : Wapizagonke-Nord - Boucle "A"				
1.1	Deforestation and grubbing	Lump sum	-		
1.2	Septic tanks to dispose of	Lump sum	-		
1.3	Septic tank	Lump sum	-		
1.4	Trench excavation and filling	lin.m.	14		
1.5	Gravity pipe	lin.m.	14		
1.6	Enviro-septic system and utility drainage field including drillings before the works	Lump sum	-		
1.7	Land and gravel path repair	Lump sum	-		
Sous-total / 1.0					
2.0	SITE #12 : Wapizagonke-Nord - Boucle "C"				
2.1	Deforestation and grubbing	Lump sum			
2.2	Septic tanks to dispose of	Lump sum	-		
2.3	Septic tank	Lump sum	-		
2.4	Trench excavation and filling	lin.m.	41		
2.5	Gravity pipe	lin.m.	41		
2.6	Enviro-septic system and utility drainage field	Lump sum	-		
2.7	Land and gravel path repair	Lump sum	-		
2.8	Paved road repair	Lump sum	-		
Sous-total / 2.0					
3.0	SITE #14 : Wapizagonke-Nord - Boucle "PÉDESTRE"				
3.1	Deforestation and grubbing	Lump sum	-		
3.2	Septic tanks to dispose of	Lump sum	-		
3.3	Septic tank	Lump sum	-		
3.4	Trench excavation and filling	lin.m.	6		
3.5	Gravity pipe	lin.m.	6		
3.6	Enviro-septic system and utility drainage field	Lump sum	-		
3.7	Land and gravel path repair	Lump sum	-		
Sous-total / 3.0					

