



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Avenue
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
Northern Contaminated Site Program
ATB Place North Tower
10025 Jasper Avenue
Edmonton
Alberta
T5J 1S6

Title - Sujet Garden River Remediation	
Solicitation No. - N° de l'invitation EW699-171528/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client PARKS EW699-171528	Date 2017-01-10
GETS Reference No. - N° de référence de SEAG PW-\$NCS-003-10933	
File No. - N° de dossier NCS-6-39181 (003)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-01-27	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Bilous, Isabelle	Buyer Id - Id de l'acheteur ncs003
Telephone No. - N° de téléphone (780) 782-8714 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

This amendment is raised to modify Solicitation EW699-171528/A as follows:

**1) REVISED CLOSING DATE OF:
02:00 PM MST on 2017-01-27**

2) Questions & Answers

- Q1:** The EBA report of 2009 references PHC soil quantities and locations, but the tender currently out to bid makes no mention of PHC soil, can we assume that this is not part of the current project?
- A1:** The PHC soil referenced in the EBA report was located at the air strip and the public works yard, and not the old dump site, and is therefore out of scope.
- Q2:** The specifications refer to using the material on site to complete the construction of Cell A, but in other areas it states that the contractor needs to supply and place the material required for construction, can we get clarification on what material has to be supplied by the contractor? Tied to this, we understand that granular material would be supplied by the contractor.
- A2:** The specifications require that all material required for the construction of Cell A (soils, granulars, geosynthetics, etc.) is to be supplied by the Contractor. It is noted that Drawing No. 209.40380.00000-01 Cell A Existing Conditions shows that excavation spoil from the previous Cell A excavation has been stockpiled adjacent to Cell A, and the approximate volumes are provided on the Drawing, although this is a general indication only. These materials may be used by the Contractor at their discretion but in all cases the requirements of the Specifications (e.g. material properties, compaction, etc.) must be observed.
- Q3:** The same applies for backfilling the old dump after the waste is removed, will we be able to use material from the adjacent area at the old dump and basically just regrade the entire area?
- A3:** For tendering purposes the Contractor shall assume that the Old Dump excavation will be backfilled with imported fill material, per the specifications. The intent in this regard is to replace the removed waste materials with imported fill.
- Q4:** The contract calls for clean leachate rock, but does not provide any sieve requirements or specific product information, can we get a clarification on this material?
- A4:** The specification for the clear stone is for a 50 mm, uniformly graded clear stone, with L.A. Abrasion test result of 40% loss or less. The gradation requirements are as follows: 90 – 100% passing 53 mm sieve; 0-15% passing 19 mm sieve; 0 – 2% passing 75 µm. The material does not need to be washed.
- Q5:** The contract calls for proof rolling the partially completed Cell A, which will clarify what the current state of the site is, but if this material requires additional compaction how will this be paid. Also, the most recent pictures of Cell A, show some scouring of the previously placed material, how will the remediation of this be paid for?
- A5:** All known information on the existing condition of Cell A is provided in the Drawings, as well as the photographs and background reports that are part of the tender package. Cell A construction was commenced in a wooded area which was cleared, grubbed, and excavated to the condition currently shown on the Drawings. There is no information available regarding the in-situ density, etc. of the Cell A base (base or sump area).

The specifications require the Cell A base to be corrected of any soft spots, compacted to 95% standard proctor density with compaction increased to 98% in the vicinity of the sump, and graded to the elevations and slopes shown in the Drawings. Bidders are required to include all anticipated effort (labour and equipment, material, testing, etc.) required for Cell A base preparation in appropriate pay item for Cell A preparation, which will be paid on a m2 basis.

Please note that a subsequent tender addendum will provide modifications to the specifications to reflect the above instruction. Bidders are advised that the addendum will also specify a compaction density required for the subgrade of the Cell A access road.

Note changes to spec 31-12-10 required for clarification.

- Q6:** On drawing 209.40380.00000-01 it is referenced that there are 3 stockpiles of excavated soil, totaling 7891m³. Can the excess material not used for berm construction be used as cover material either within cell A, or as backfill material at the old dump location?
- A6:** Please refer to Question and Answer 2, above.
- Q7:** On drawing 209.40380.00000-01 it is referenced that there are stripping stockpiles located along the eastern perimeter of the site. Are all contractors to assume this material meets the specification listed for placed topsoil? If so are all contractors to assume that there are adequate quantities for what is required.
- A7:** Cell A construction was commenced in a wooded area which was cleared, grubbed, and excavated to the condition currently shown on the Drawings. It is possible that some of the stripped material might possibly be used as topsoil, but bidders should assume that some degree of processing (e.g. removal of wood debris, etc.) is required to achieve a material that meets the requirements of the specifications. No guarantee of the suitability of this material for use as topsoil, or its quantity, can be provided.
- Q8:** Please provide the specification for this material within the contact unit price table 2.2, 31 12 10-8, Supply and Place 200 mm Thick Gas Venting Layer Over Grading Layer in Cell A.. Within drawing 209.40380.00000-04 Detail B- Typical Final Cover Section the gas collection layer is listed as sand, please provide the specifications for this material.
- A8:** The specification for this material is provided in Specification 31 12 10, Part 2 Materials, subsection 2.2. The specification is intentionally relatively unrestrictive (subject to the stated requirements to be free of stones/debris greater than 100mm) to encourage the use of locally available sandy material.
- Q9:** Within drawing 209.40380.00000-05 the 450mm culvert is only backfilled with "compacted fill" while the specification states the following; please provide the cross section, and length for both the 450mm and 600mm culverts.
Place minimum of 100mm of 19 mm minus gravel as bedding on bottom of excavation and compact to minimum 95% Standard Proctor Density. Bedding, laying and jointing in accordance with the specification and manufacturers recommendations.
.2 Construct culverts in general accordance with the lines, grades and locations specified on the drawings. Culverts are to be field fitted by the Contractor to reflect actual conditions encountered on site and approved by the Departmental Representative.
.3 Place 100 mm minus gravel in 150 mm thick full width, alternately on each side of the culvert so as not to displace it. Compact each layer to a minimum 95% Standard Proctor density taking special care to obtain required density under haunches. Protect installed culvert with minimum 600mm of compacted fill before heavy equipment is permitted to cross during construction of the project. Width of fill, at its top, to be at least twice diameter or span of pipe and with slopes not steeper than 1 in 2.
- A9:** The specifications adequately provide the requirements for placement of the fill around the culverts. For bidding purposes it may be assumed that each culvert is a minimum of 11 m long. However, bidders are advised that should the design of the access road change (e.g. field fit due to actual conditions), the culvert lengths may need to be revised.

3) Changes to the Specification

Section 31 12 10 Cell A Construction Requirements

Delete Part 1 1.2.1 and replace with:
Preparation of base of Cell A.

Delete Part 1 1.2.3 and replace with:
Excavation and preparation of surface water ditches

Delete Part 1 1.2.15 and replace with:
Preparation of subgrade for Cell A access road.

Delete and replace Part 1 1.5.2.1 with:
The locations, name of the source, and a 20 kg sample of each of:

Delete and replace Part 1 1.5.2.1.3 with:
Soil used for construction of berms, correction of soft spots, the grading layer above the waste and sand venting layer, and backfill for the remediated Old Dump.

Delete and replace Part 1 1.5.2.2 with:
A 20 kg sample of each: existing soil in base of Cell A; existing subgrade for Cell A access road.

Delete and replace Part 1 1.5.3.1 with:
Soils to be provided for construction (for Cell A Perimeter Berms, correction of Soft Spots, Waste Grading Layer, and Remedial Excavation Backfill) and existing soils in the base of Cell A and the existing subgrade for the Cell A access road:

Delete and replace Part 1 1.6.2 with:
Preparation. Payment for preparation of Cell A base, subgrade of Cell A access road, and surface water ditches shall be based on the area prepared in place in accordance with the Specifications and according to the limits specified in the Drawings. If the final limits are changed by the Departmental Representative the area for payment shall be based on the revised limits. The tendered unit prices shall include:

- .1 compaction;
- .2 moisture adjustment;
- .3 correction of soft spots including excavation of soft spots and placement, compaction, and grading of replacement material as required;
- .4 coarse and fine grading;
- .5 grade control;
- .6 any materials, labour, equipment, or other expense necessary for the proof-rolling in accordance with the Drawings and Specifications.

Delete and replace Part 2 2.1 with:
2.1 SOIL FOR CELL A PERIMETER BERM CONSTRUCTION, CORRECTION OF SOFT SPOTS, GRADING LAYER OVER WASTE, AND OLD DUMP REMEDIAL EXCAVATION BACKFILL

Delete and replace Part 3 3.12.2.2 with:
Identify soft spots and bring these to the attention of the Departmental Representative. Obtain instructions before proceeding.

Delete and replace Part 3 3.12.4 with:
Compact subgrade to a minimum of 95% of standard proctor density, or to satisfaction of Departmental Representative.

4) DELETE APPENDIX 1 AND APPENDIX 1A IN THEIR ENTIRETY AND REPLACE WITH:

APPENDIX 1 - COMBINED PRICE FORM (3 pages)

- 1) The prices per unit shall govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

LUMP SUM

The Lump Sum Amount designates Work to which a Lump Sum Arrangement applies.

- (a) Work included in the Lump Sum Amount represents all work not included in the unit price table.

TOTAL LUMP SUM AMOUNT (LSA) Excluding applicable tax(e)s

UNIT PRICE TABLE

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

Item	Specification Reference	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable tax(s) extra (PU)	Extended amount (EQ x PU) applicable tax(s) extra
1. Cell A Base Preparation						
1.1	31 12 10-1	Place and Compact Soil for Cell A Perimeter Berm	m ³	1,220	\$ _____/m ³	\$ _____
1.2	31 12 10-2	Prepare Base of Cell A	m ²	6,960	\$ _____/m ²	\$ _____
1.3	31 12 10-3	Cell A Base Liner and Final Cover Anchor Trench	m	305	\$ _____/m	\$ _____
1.4	31 12 10-4	Supply and Place 300 mm thick Clear Stone Drainage Layer in Base of Cell A	m ²	5,646	\$ _____/m ²	\$ _____
2. Cell A Final Cover						
2.1	31 12 10-7	Supply and Place 200 mm Thick Grading Layer Over Waste in Cell A	m ²	5,664	\$ _____/m ²	\$ _____
2.2	31 12 10-8	Supply and Place 200 mm Thick Gas Venting Layer Over Grading Layer in Cell A	m ²	5,664	\$ _____/m ²	\$ _____
2.3	31 12 10-9	Supply and Place 150 mm Thick Clear Stone Drainage Layer for Cell A Final Cover	m ²	6,067	\$ _____/m ²	\$ _____
2.4	31 12 10-10	Supply and Place 500 mm Thick Topsoil Layer for Cell A Final Cover	m ²	6,067	\$ _____/m ²	\$ _____
2.5	31 12 10-11	Seed Cell A Final Cover	m ²	7,073	\$ _____/m ²	\$ _____
3. Old Dump Restoration						
3.1	31 12 10-13	Supply and place backfill in Remediated Excavation at Old Dump	m ³	10,000	\$ _____/m ³	\$ _____
3.2	31 12 10-14	Supply and Place 150 mm Thick Topsoil Layer to Backfilled Remedial Excavation at Old Dump	m ²	5,655	\$ _____/m ²	\$ _____
3.3	31 12 10-15	Seed Topsoil at Old Dump	m ²	5,655	\$ _____/m ²	\$ _____
4. Cell A Surface Water Management						
4.1	31 12 10-16	Excavate Surface Water Drainage Ditches	Lin. m	564	\$ _____/ Lin. m	\$ _____
4.2	31 12 10-17	Prepare Water Drainage Ditches	m ²	2,820	\$ _____/m ²	\$ _____
4.3	31 12 10-18	Supply and Place Erosion Control Blanket in Surface Water Drainage Ditches	m ²	5,060	\$ _____/m ²	\$ _____
4.4	31 12 10-19	Seed Surface Water Drainage Ditches	m ²	2,820	\$ _____/m ²	\$ _____
5. Cell A Access Road						
5.1	31 12 10-20	Prepare Subgrade for Cell A Access Road	m ²	1,015	\$ _____/m ²	\$ _____

5.2	31 12 10-21	Supply and Place 300 mm Thick 100mm Minus Granular Sub-base for Cell A Access Road	m ²	1,015	\$ _____/m ²	\$ _____
5.3	31 12 10-22	Supply and Place 50 mm Thick 19mm Minus Granular Base for Cell A Access Road	m ²	1,015	\$ _____/m ²	\$ _____
6. Cell A Fencing						
6.1	31 12 10-25	Supply and Install Fencing Around Cell A	Lin. m	400	\$ _____/ Lin. m	\$ _____
7. Removal of Waste from Old Dump						
7.3	31 12 15-3	Excavate Waste from Old Dump and Satellites and Haul and Place in Cell A	m ³	10,000	\$ _____/m ³	\$ _____
7.4	31 12 15-4	Dispose of Hazardous Wastes at Licensed Off-Site Facility	Tonnes	100	\$ _____/ tonne	\$ _____
8. Geosynthetic Clay Liner						
8.2	31 32 19.01-2	Supply and Place GCL for Cell A Base Liner	m ²	6,218	\$ _____/m ²	\$ _____
9. HDPE and LLDPE Geomembrane						
9.2	31 32 19.02-2	Supply and Place HDPE Geomembrane for Cell A Base Liner	m ²	6,218	\$ _____/m ²	\$ _____
9.3	31 32 19.02-3	Supply and Place LLDPE Geomembrane for Cell A Final Cover	m ²	6,158	\$ _____/m ²	\$ _____
10. Geotextiles						
10.2	31 32 19.03-2	Supply and Place 16 oz Geotextile Cushion for Cell A Base Liner	m ²	6,218	\$ _____/m ²	\$ _____
10.3	31 32 19.03-3	Supply and Place 16 oz Geotextile Cushion for Cell A Final Cover	m ²	6,158	\$ _____/m ²	\$ _____
10.4	31 32 19.03-4	Supply and Place 12 oz Geotextile Separator for Cell A Final Cover	m ²	6,067	\$ _____/m ²	\$ _____
10.5	31 32 19.03-5	Supply and Place Woven Geotextile for Cell A Access Road	m ²	1,015	\$ _____/m ²	\$ _____
TOTAL EXTENDED AMOUNT (TEA) Excluding applicable tax(s)						\$ _____

TOTAL BID AMOUNT (LSA +TEA) Excluding applicable tax(s)	\$ _____
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APPENDIX 1A – COST BREAKDOWN TABLE

The table below is for information purposes only.

Prior to contract award the assessed best value proponent will be required to complete the following table. The total evaluated price must equal the bid submission per the bid price form total submitted at the time of solicitation closing.

ITEM / SECTION	Description	Estimated Quantity	Unit	Price, applicable tax(es) extra
01 31 19-1	Pre-Construction Meeting	1	Lump Sum	\$
01 31 19-2	Project Progress Meetings	1	Lump Sum	\$
01 32 16.07	Project Master Plan and Schedule	1	Lump Sum	\$
01 33 00-1	Shop Drawings	1	Lump Sum	\$
01 33 00-3	Project Photographs	1	Lump Sum	\$
01 33 00-4	Project Documents	1	Lump Sum	\$
01 35 13.43-1	Site Layout, Equipment Decontamination Facility Design, Pollution Control Plan	1	Lump Sum	\$
01 35 13.43-2	Equipment Decontamination Facilities	1	Lump Sum	\$
01 35 13.43-3	Wastewater Storage	1	Lump Sum	\$
01 35 29.06-1	Site Specific Health and Safety Plan	1	Lump Sum	\$
01 35 43-1	Site Specific Environmental Protection Plan	1	Lump Sum	\$
01 51 00	Temporary Utilities	1	Lump Sum	\$
01 52 00-1	Temporary Accommodations and Meals	1	Lump Sum	\$
01 52 00-2	Departmental Representative's Office	1	Lump Sum	\$
01 52 00-3	Other Construction Facilities	1	Lump Sum	\$
01 53 00-1	Mob/Demob Plan	1	Lump Sum	\$
01 53 00-2	Mobilization	1	Lump Sum	\$
01 53 00-3	Demobilization	1	Lump Sum	\$
01 56 00-1	Supply of Hoarding or Temporary Fencing and Safety Signage.	1	Lump Sum	\$
01 56 00-2	Supply of Temporary Fencing Around Monitoring Wells at Cell A and Old Dump	1	Lump Sum	\$
01 71 00	Surveying	1	Lump Sum	\$
01 77 00	Final Inspection	1	Lump Sum	\$
01 78 00	As-Built Documents and Samples	1	Lump Sum	\$
31 12 10-5	Supply & Install 200 mm DR9 HDPE Perforated Leachate Collection Pipe in Base of Cell A	1	Lump Sum	\$

31 12 10-6	Supply & Install 500 mm DR9 HDPE Solid Leachate Sump/Extraction Pipe in Base of Cell A	1	Lump Sum	\$
31 12 10-12	Supply and Install Passive Gas Vents for Cell A Final Cover	4	Lump Sum	\$
31 12 10-23	Supply and Install 600 mm Culvert at Road 58.	1	Item	\$
31 12 10-24	Supply and Install 450 mm Culvert at Cell A Leachate Extraction Pipe.	1	Item	\$
31 12 10-26	Supply and Install Access Gate	1	Lump Sum	\$
31 12 15-1	Excavation Work Plan	1	Lump Sum	\$
31 12 15-2	Suspect Waste Holding Area at Old Dump Area	1	Lump Sum	\$
31 32 19.01-1	GCL Submittals and Independent Conformance Testing	1	Lump Sum	\$
31 32 19.02-1	HDPE and LLDPE Submittals and Independent Conformance Testing	1	Lump Sum	\$
31 32 19.03-1	Geotextile Submittals and Independent Conformance Testing	1	Lump Sum	\$
			Sub-total: Excluding applicable tax(es)	

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.