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Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

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 -
Pacific Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet Muncho Lake Maint. Camp Remediation	
Solicitation No. - N° de l'invitation EZ113-171168/A	Amendment No. - N° modif. 006
Client Reference No. - N° de référence du client	Date 2016-09-16
GETS Reference No. - N° de référence de SEAG PW-\$PWY-034-7860	
File No. - N° de dossier PWY-6-39125 (034)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-09-28	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Huchzermeyer, Chris(PWY)	Buyer Id - Id de l'acheteur pwy034
Telephone No. - N° de téléphone (604) 365-2956 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - Muncho Lake Maintenance Camp - Alaska Hwy, BC	

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 #006 is raised to:

- 1) Address Questions
- 2) Provide revised Appendix 1 – Combined Price Form
- 3) Incorporate Addendum #3

1) Questions and Answers

1. Please provide an as-built or description of the salt shed so that we can design the excavation to accommodate for the buried liner and any other related structural elements.

Excavation Areas A and B proximate to the salt shed have been removed from the tender scope (Addendum #3). As such, as-built drawings or description of the salt shed will not be provided.

2. The tender indicates waste and hazardous waste impacted soil that requires off-site disposal/treatment. Can you indicate the lab results (sample ID's) that relate to this soil?

Hazardous waste has not been identified in any of the samples. It is possible that hazardous waste may be encountered during the course of work, in the form of free phase hydrocarbons. The quality of any waste materials will be provided if encountered.

3. Are truck wash facilities required for both the excavation and disposal areas to prevent tracking of contaminated soil from these areas?

The Contractor is responsible for ensuring that no material is tracked onto public roadways. If weather conditions (freezing) prohibit a wheel wash, then an alternative acceptable to the Departmental Representative must be provided.

4. Section 1.13.4.2 indicates that no change orders will be contemplated for this work. Please confirm.

Specification 011155-1.13.4.2 does not comment on if a Change Order will be issued or not for a particular Contract; rather it describes what is a "Contemplated Change Notice" (CCN). When PWGSC issues a CCN we are simply asking for a Quote for a contemplated change. As stated a CCN does not commit PWGSC to the change described in the CCN, nor does a CCN commit PWGSC to a cost if that change is implemented. The only Change Document that can change the value of the Contract is a Change Order as described in 011155-1.13.4.1.

5. Can we assume that the viewed site conditions at both the maintenance camp and the proposed STF site will remain relatively unchanged? Meaning no further access restrictions or constraints to proposed lay down areas?

No. Site conditions may change during the course of work. Access at the maintenance camp and the STF site are subject to coordination with the Departmental Representative in conjunction with the site maintenance contractor.

6. Are there preferred lay down areas at the maintenance camp to allow for anticipated site activities by others?

Refer to the Drawings for site restrictions.

7. Estimated overburden volume and depth?

Up to 100 m³ of overburden may be encountered within the first top metre of Excavation Area E (refer to the Drawings included in Addendum #3).

8. Estimated suspect material volume and depth?

We do not anticipate any suspect material (i.e. there will not be any anticipated stockpile characterization).

9. Is all excavated material including overburden and suspect material to be screened or just the material that is deemed contaminated and designated for the STF?

Refer to Combined Price Form for details.

10. Is there Geotechnical info or BH data to show the representative subsurface material and/or gw depth at the proposed STF location?

Borehole logs for locations adjacent to the proposed STF are appended. Groundwater was not encountered during the drilling of the boreholes.

11. Will the owner's representative be responsible for sampling the collected excavation water and providing the analysis to the contractor?

No. Groundwater quality data representative of water that may accumulate in the excavation have been provided in the tables of Appendix D.

12. May the remediation Contractor establish a temporary camp at the Maintenance Camp?

The remediation Contractor may set up a temporary camp at the Muncho Lake Maintenance Camp or at Km 713 gravel pit, if the site maintenance contractor's access can be maintained as determined by the Departmental Representative. The remediation Contractor is responsible for ensuring the temporary camp meets all requirements and is responsible for providing all services (e.g. power, water and sewage). If the remediation Contractor does not maintain their temporary camp in a manner acceptable to the Departmental Representative, the Contractor will have to remove their temporary camp and provide alternative accommodation at no increase to the Contract.

13. Given the relative close proximity of excavation areas G and H to the maintenance garage, would the contractor be responsible for any potential structural damage of the maintenance garage due to the excavation activities?

Yes – the contractor would be responsible for any damage to the maintenance garage building and related infrastructure due to the excavation activities on site. The contractor must plan and carry out the excavation to meet the requirements outlined in 31 23 33.01 Excavating, Trenching and Backfilling Section 3.4 Temporary Sloping and Shoring.

2) Revised Appendix 1 – Combined Price Form

Previously issued Appendix 1 of the Combined Price Form is now replaced with the revised Appendix 1 dated 16 September 2016. See attached.

The revised Appendix 1 of the Combined Price Form (dated 16 September 2016) must be used when submitting your bid. Any bid submitted on a previous version of Appendix 1 – Combined Price Form will be considered non-compliant and therefore disqualified.

The changes made to Appendix 1 of the Combined Price Form in the Unit Price Table are the estimated quantities (EQ) for items 10, 11, 13, 14, and 16.

- 3) Please see attached Addendum #3.

All other terms and conditions remain unchanged.

APPENDIX 1 - COMBINED PRICE FORM (Revised 16 September 2016)

- 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.

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.

	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
1	Pre-Mobilization Submittals	Lump Sum	1		
2	Mobilization	Lump Sum	1		
3	Site Preparation	Lump Sum	1		
4	Site Facilities Provision	Lump Sum	1		
5	Site Facilities Operation	Week	8		
6	Standby Time	Day	5		
7	Contaminated Water Treatment Provision	Lump Sum	1		
8	Contaminated Water Treatment Operation	Cubic Meters	500		
9	Temporary Sloping and Shoring	Lump Sum	1		
10	Excavation	Cubic Meters	3,861		
11	Excavated Material Screening Operation	Cubic Meters	3,761		
12	Waste Oversize Debris Removal	Hour	12		
13	Import Backfill	Tonnes	7,522		
14	Owner Supplied Backfill	Cubic Meters	100		
15a	Contaminated Material Transport – Offsite: Hazardous Waste	Tonnes	20		
15b	Contaminated Material Transport – Offsite: Waste Quality	Tonnes	260		
16	Contaminated Material Transport – Owner Soil Treatment Facility	Cubic Meters	3,631		
17	Non-Contaminated Material and Waste Transport	Tonnes	10		

Solicitation No. - N° de l'invitation
EZ113-171168/A

Amd. No. - N° de la modif.
006

Buyer ID - Id de l'acheteur
PWY034

Client Ref. No. - N° de réf. du client

File No. - N° du dossier
PWY-6-39125

CCC No./N° CCC - FMS No./N° VME

	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
18a	Contaminated Material Disposal: Hazardous Waste	Tonnes	20		
18b	Contaminated Material Disposal: Waste Quality	Tonnes	260		
19	Non-Contaminated Material and Waste Disposal	Tonnes	10		
20	Site Restoration	Lump Sum	1		
21	Owner Soil Treatment Facility Construction	Lump Sum	1		
22	Demobilization	Lump Sum	1		
23	Closeout Submittals	Lump Sum	1		
TOTAL PRICE PROPOSAL AMOUNT Excluding GST					

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

Plans

1. Drawing 635734-302 Site Plan – Infrastructure and Restrictions

Revision: Replace with attached Drawing 635031-302 Site Plan – Infrastructure and Restrictions with excavation areas A and B removed

2. Drawing 635031-303 Contaminated Material Extents

Revision: Replace with attached Drawing 635031-303 Contaminated Materials Extents with excavation areas A and B removed

3. Drawing 635031-304 Groundwater Depth (2014-2016)

Revision: Replace with attached Drawing 635031-304 Groundwater Depth (2014-2016) with excavation areas A and B removed

4. Drawing 635031-305C Geological Cross Section C-C'

Revision: Remove

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-01				
		Location Km 713 Pit, BC		PAGE 1 OF 4				
Drilling Contractor: Geotech Drilling Services Ltd. Drilling Method: Vibratory Sonic Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): 0.05/0.05		Date Monitored: n/a Ground Surface Elev. (m): n/a Top of Casing Elev. (m): n/a Northing: n/a		Project Number: 635031 Borehole Logged By: SJWM/ZL Date Drilled: 2016 09 05 Log Typed By: NDS				
Depth in Metres	Drilling Legend Sample Interval Vibrasonic		Water/NAPL Levels Water Level 1 Water Level 2 NAPL NAPL		Stratigraphy Plot Sample Interval Core Run Sample Number Blow Count % Recovery	Reading within indicated scale Reading outside indicated scale Soil Vapour (ppm)	Solid PVC Slotted PVC	
	Soil Description		Well Name 1: MW16-01					
0	SAND and GRAVEL, fine grained sand, fine and coarse gravel, rounded to angular, trace silt, occasional cobbles, grey, loose, damp. Below 2.3 m - dry. Below 3.0 m - damp. Between 4.3 m and 4.6 m - dry. Between 5.5 m and 5.8 m - brown, orange inclusions.							
1								
2								
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4								
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NOTES								

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-01			
		Location Km 713 Pit, BC		PAGE 2 OF 4			
Drilling Contractor: Geotech Drilling Services Ltd. Drilling Method: Vibratory Sonic Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): 0.05/0.05		Date Monitored: n/a Ground Surface Elev. (m): n/a Top of Casing Elev. (m): n/a Northing: n/a		Project Number: 635031 Borehole Logged By: SJWM/ZL Date Drilled: 2016 09 05 Log Typed By: NDS			
Depth in Metres	Drilling Legend Sample Interval Vibrasonic		Water/NAPL Levels Water Level 1 Water Level 2 NAPL NAPL		Stratigraphy Plot Sample Interval Core Run Sample Number Blow Count % Recovery	Reading within indicated scale Reading outside indicated scale Soil Vapour (ppm)	Solid PVC Slotted PVC
	Soil Description		Well Name 1: MW16-01				
10	SAND and GRAVEL, fine grained sand, fine and coarse gravel, rounded to angular, trace silt, occasional cobbles, grey, loose, damp. <i>(continued)</i>				10 ¹ 10 ² 10 ³ 10 ⁴		
11	Below 11.3 m - fine to coarse grained sand, no cobbles.						
12	Below 14.0 m - some cobbles.		100				
13			100				
14	At 15.1 m - orange/yellow oxidized inclusions (0.05 m thick).		100				
15			100				
16	At 17.4 m - dry layer (0.08 m thick).		100				
17			100				
18			100				
19			100				
20			100				
BENTONITE							
NOTES							









SNC-LAVALIN

Borehole No. : BH16-01

PAGE 3 OF 4

Project Number: 635031
Borehole Logged By: SJWM/ZL
Date Drilled: 2016 09 05
Log Typed By: NDS

Depth in Metres	Drilling Legend  Sample Interval  Vibrasonic	Water/NAPL Levels  Water Level 1  Water Level 2  NAPL  NAPL	Stratigraphy Plot	Sample Interval Core Run	Sample Number	Blow Count	% Recovery ○ Reading within indicated scale ● Reading outside indicated scale	Soil Vapour (ppm) 10 ¹ 10 ² 10 ³ 10 ⁴	Well Name 1: MW16-01 Solid PVC Slotted PVC
20	SAND and GRAVEL, fine grained sand, fine and coarse gravel, rounded to angular, trace silt, occasional cobbles, grey, loose, damp. (continued)								
21									
22									
23									
24	At 24.2 m - sand pockets, fine grained, brown.								
25									
26	Below 26.1 m - dry. Below 26.0 m - dark grey. Below 26.1 m - light brown. Below 26.2 m - light grey.								
27	Below 27.1 m - dark grey. Below 27.2 m - light brown. Below 27.3 m - light grey.								
28									
29									
30	At 29.6 m - sand pockets, fine grained, brown.								

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Borehole No. : BH16-02

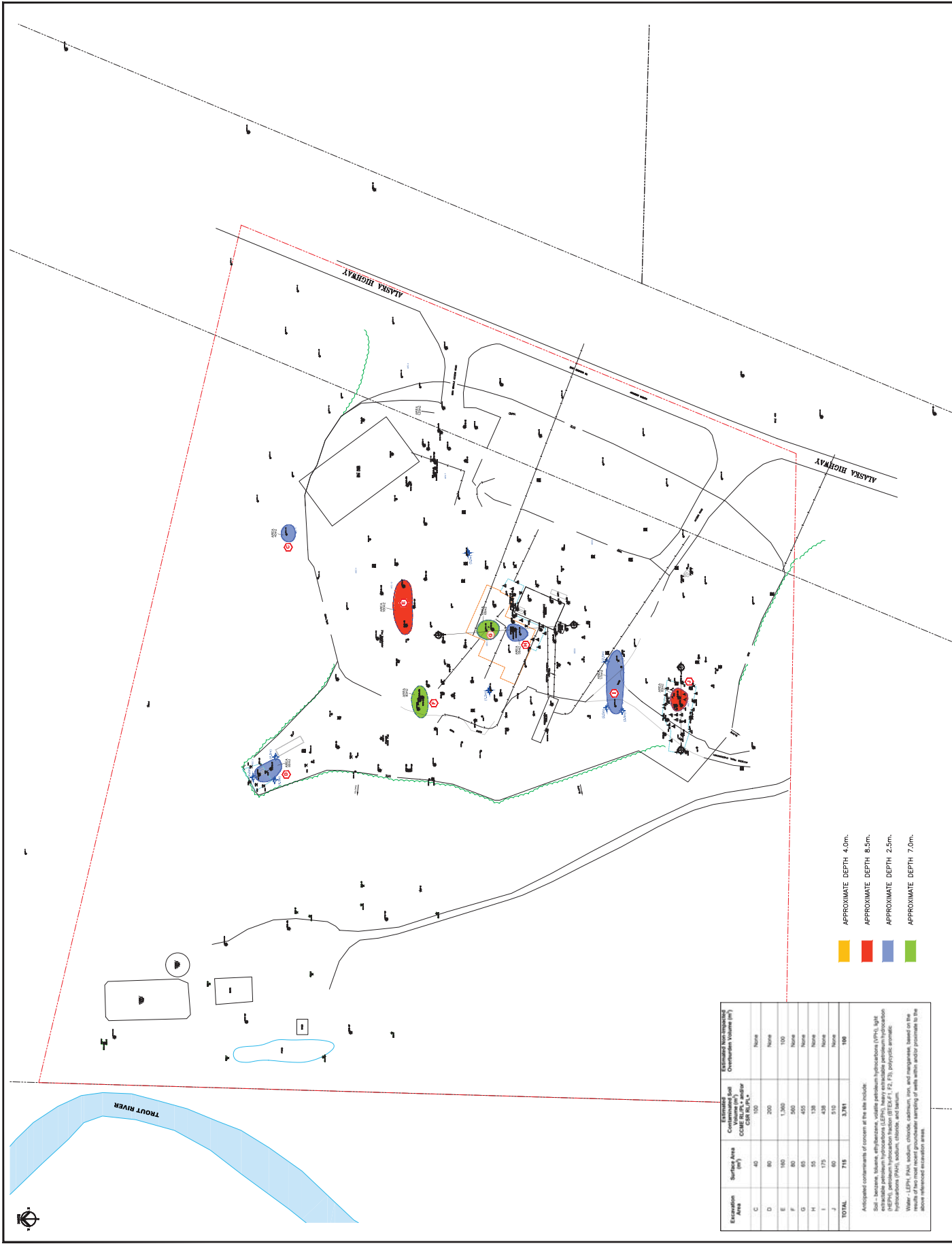
PAGE 1 OF 2

Project Number: 635031
Borehole Logged By: SJWM/ZL
Date Drilled: 2016 09 06
Log Typed By: NDS

NOTES

DRAFT

		Client Public Works and Gov't Services Canada		Borehole No. : BH16-02			
		Location Km 713 Pit, BC		PAGE 2 OF 2			
Drilling Contractor: Geotech Drilling Services Ltd. Drilling Method: Vibratory Sonic Borehole Dia. (m): 0.15 Pipe/Slotted Pipe Dia. (m): 0.05/0.05		Date Monitored: n/a Ground Surface Elev. (m): n/a Top of Casing Elev. (m): n/a Northing: n/a Easting: n/a		Project Number: 635031 Borehole Logged By: SJWM/ZL Date Drilled: 2016 09 06 Log Typed By: NDS			
Depth in Metres	Drilling Legend Sample Interval Vibrasonic		Water/NAPL Levels Water Level 1 Water Level 2 NAPL NAPL		Stratigraphy Plot Sample Interval Core Run Sample Number Blow Count % Recovery	Reading within indicated scale Reading outside indicated scale Soil Vapour (ppm) 10 ¹ 10 ² 10 ³ 10 ⁴	Solid PVC Slotted PVC
	Soil Description		Well Name 1: MW16-02				
10	SAND and GRAVEL, fine to coarse grained sand, fine and coarse gravel, rounded to angular, trace silt, occasional cobbles, grey, loose, dry to damp. <i>(continued)</i>						
11	Below 11.3 m - decreased sand. Below 11.4 m - decreased cobbles.						
12	At 12.2 m - large boulder. Below 12.2 m - dry. Below 12.2 m - dry.						
13	Below 13.6 m - damp.						
14	Below 14.9 m - dry.						
15	At 16.0 m - trace orange oxidized inclusions.						
16	At 17.5 m - trace orange oxidized inclusions.						
17	Below 19.7 m - decreased fine grained sand.						
18	Bottom of hole at 19.8 m.						
19							
20							
NOTES							



Excavation Area	Surface Area (sq ft)	Estimated Contaminated Soil Volume (CY)	Estimated Non-impacted Overburden Volume (cu yd)
C	40	100	None
D	80	200	None
E	190	1,300	150
F	80	200	None
G	40	400	None
H	25	100	None
I	10	40	None
J	50	510	None
TOTAL	715	3,240	150

Anticipated contaminants of concern at the site include:
Soil - benzene, toluene, ethylbenzene, xylene, petroleum hydrocarbons (PHH), light non-halogenated volatile organic compounds (LNH), heavy petroleum hydrocarbons (HPH), heavy petroleum hydrocarbons (HPH), polycyclic aromatic hydrocarbons (PAH), sodium, chloride, cadmium, iron, and manganese, based on the results of two most recent groundwater sampling of wells within and/or proximate to the above referenced excavation areas.

Water - LPH, PHH, sodium, chloride, cadmium, iron, and manganese, based on the results of two most recent groundwater sampling of wells within and/or proximate to the above referenced excavation areas.

- APPROXIMATE DEPTH 4.0m.
- APPROXIMATE DEPTH 8.5m.
- APPROXIMATE DEPTH 2.5m.
- APPROXIMATE DEPTH 7.0m.

SNC-LAVALIN
A CH2M HILL COMPANY

CLIENT NAME: ALASKA HIGHWAY
PROJECT LOCATION: ALASKA HIGHWAY, BC
CONTRACT NO.: 2000-01-0001
CONTRACT DATE: 2000-01-0001
CONTRACT VALUE: \$10,000,000.00
CONTRACT NO.: 2000-01-0001
CONTRACT DATE: 2000-01-0001
CONTRACT VALUE: \$10,000,000.00

REVISIONS

NO.	DATE	DESCRIPTION
1	2000-01-0001	DESCRIPTION

NOTES

1. EXISTING DRAWING IS CORRECT.
2. EXISTING DRAWING IS CORRECT.
3. EXISTING DRAWING IS CORRECT.
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9. EXISTING DRAWING IS CORRECT.
10. EXISTING DRAWING IS CORRECT.

REFERENCE DRAWINGS

NO.	DATE	DESCRIPTION
1	2000-01-0001	DESCRIPTION

LEGEND

Excavation Area
Contaminated Soil
Non-impacted Overburden

Backfilling and compaction of the excavation to a minimum of 95% Standard Proctor Maximum Dry Density (SPMD) compaction using imported clean material and suitable owner-supplied stockpiled/excavated overburden soil.

The Contractor shall provide technical reports at completion confirming the required SPMD was achieved, or return at their cost to complete further testing to provide suitable compaction reports. The Contractor must provide their own water during compaction.

