



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
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 First Stage In Situ Remediation | |
| Solicitation No. - N° de l'invitation EZ897-180850/A | Amendment No. - N° modif. 001 |
| Client Reference No. - N° de référence du client | Date 2017-08-14 |
| GETS Reference No. - N° de référence de SEAG PW-\$PWY-004-8128 | |
| File No. - N° de dossier PWY-7-40138 (004) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-08-23 | 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: Mestry, Ruth (PWY) | Buyer Id - Id de l'acheteur pwy004 |
| Telephone No. - N° de téléphone (778) 995-4613 () | FAX No. - N° de FAX (604) 775-6633 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC - Muncho Lake & Fireside Maintenance Camps, km 698 & km 839 - Alaska Highway, 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 |

INVITATION TO TENDER

Maintenance Camp Insitu
Muncho Lake and Fireside Camp, Alaska Highway, B.C.

IMPORTANT NOTICE TO BIDDERS

PROMPT PAYMENT IN THE CONSTRUCTION INDUSTRY

Prompt Payment Principles

Public Services and Procurement Canada advocates that construction-related payments should follow these three principles:

- **Promptness:** The department will review and process invoices promptly. If disputes arise, Public Services and Procurement Canada will pay for items not in dispute, while working to resolve the disputed amount quickly and fairly
- **Transparency:** The department will make construction payment information such as payment dates, company names, contract and project numbers, publicly available; likewise, contractors are expected to share this information with their lower tiers
- **Shared responsibility:** Payers and payees are responsible for fulfilling their contract terms including their obligations to make and receive payment, and to adhere to industry best practices

For more information: <http://www.tpsgc-pwgsc.gc.ca/biens-property/divulgate-disclosure/psdic-ppci-eng.html>

SUPPORT THE USE OF APPRENTICES

The Government of Canada proposes to support the employment of apprentices in federal construction and maintenance projects. To support this initiative, a voluntary certification signaling the Bidder's commitment to hire and train apprentices is available on Appendix 4.

PWGSC UPDATE ON ASBESTOS USE

Effective April 1, 2016, all Public Works and Government Services Canada (PWGSC) contracts for new construction and major rehabilitation will prohibit the use of asbestos-containing materials. Further information can be found at <http://www.tpsgc-pwgsc.gc.ca/comm/vedette-features/2016-04-19-00-eng.html>

ADDITION OF PERFORMANCE EVALUATION-CONTRACT

Take note of the additional paragraph is included in clause R2810D identified in SC02.

ADDITION OF TERMINOLOGY

Take note of the additional paragraph is included in clause R2810D identified in SC03.

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R2710T GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES - BID SECURITY REQUIREMENTS (GI) (2017-04-27)

The following GI's are included by reference and are available at the following Web Site

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

| | |
|------|--|
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SPECIAL INSTRUCTIONS TO BIDDERS (SI)

SI01 BID DOCUMENTS

1. The following are the Bid Documents:
 - a. Invitation to Tender - Page 1;
 - b. Special Instructions to Bidders;
 - c. **General Instructions - Construction Services - Bid Security Requirements R2710T (2017-04-27)**
 - d. Clauses & Conditions identified in "Contract Documents";
 - e. Drawings and Specifications;
 - f. Bid and Acceptance Form and related Appendix(s); and
 - g. Any amendment issued prior to solicitation closing.

Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.

1. **General Instructions - Construction Services - Bid Security Requirements R2710T** is incorporated by reference and is set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

SI02 ENQUIRIES DURING THE SOLICITATION PERIOD

1. Enquiries regarding this bid must be submitted in writing to the Contracting Authority named on the Invitation to Tender - Page 1 [at e-mail address ruth.mestry@tpsgc-pwgsc.gc.ca](mailto:ruth.mestry@tpsgc-pwgsc.gc.ca) as early as possible within the solicitation period. Except for the approval of alternative materials as described in **GI15 of R2710T**, enquiries should be received no later than five (5) calendar days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may not result in an answer being provided.
2. To ensure consistency and quality of the information provided to Bidders, the Contracting Authority will examine the content of the enquiry and shall decide whether or not to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period must be directed ONLY to the Contracting Authority named in paragraph 1. above. Failure to comply with this requirement may result in the bid being declared non-responsive.

SI03 SITE VISIT – N/A

SI04 REVISION OF BID

A bid may be revised by [facsimile](#) in accordance with **GI10 of R2710T**. The facsimile number for receipt of revisions is [\(604\) 775-9381](#).

SI05 BID RESULTS

1. A public bid opening will be held in the office designated on the Front Page "Invitation to Tender" (top left corner) for the receipt of bids shortly after the time set for solicitation closing.
2. [The responsive bid carrying the lowest price will be recommended for contract award.](#)
3. Following solicitation closing, bid results may be obtained by [calling at number. \(604\) 775-9384.](#)

SI06 INSUFFICIENT FUNDING

In the event that the lowest compliant bid exceeds the amount of funding allocated for the Work, Canada in its sole discretion may

- a. cancel the solicitation; or
- b. obtain additional funding and award the Contract to the Bidder submitting the lowest compliant bid.

SI07 BID VALIDITY PERIOD

1. Canada reserves the right to seek an extension to the bid validity period prescribed in BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders will have the option to either accept or reject the proposed extension.
2. If the extension referred to in paragraph 1. above is accepted, in writing, by all those who submitted bids, then Canada will continue immediately with the evaluation of the bids and its approvals processes.
3. If the extension referred to in paragraph 1. above is not accepted in writing by all those who submitted bids then Canada will, at its sole discretion, either
 - a. continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
 - b. cancel the invitation to tender.
4. The provisions expressed herein do not in any manner limit Canada's rights in law or under **GI11 of R2710T**.

SI08 CONSTRUCTION DOCUMENTS

The successful Contractor will be provided **with one electronic or paper copy** of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer. Additional copies, up to a maximum (insert amount), will be provided free of charge upon request by the Contractor. Obtaining more copies will be the responsibility of the Contractor including costs.

SI09 WEB SITES

The connection to some of the Web sites in the solicitation documents is established by the use of hyperlinks. The following is a list of the addresses of the Web sites:

Treasury Board Appendix L, Acceptable Bonding Companies

<http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=14494§ion=text#appl>

Buy and Sell

<https://www.achatsetventes-buyandsell.gc.ca>

Canadian economic sanctions

<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>

Contractor Performance Evaluation Report (Form PWGSC-TPSGC 2913)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/2913.pdf>

Bid Bond (form PWGSC-TPSGC 504)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/504.pdf>

Performance Bond (form PWGSC-TPSGC 505)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/505.pdf>

Labour and Material Payment Bond (form PWGSC-TPSGC 506)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/506.pdf>

Standard Acquisition Clauses and Conditions (SACC) Manual

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

PWGSC, Industrial Security Services

<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>

PWGSC, Code of Conduct and Certifications

<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>

Construction and Consultant Services Contract Administration Forms Real Property Contracting

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

Declaration Form

<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>

CONTRACT DOCUMENTS (CD)

1. The following are the Contract Documents:
 - a. Contract Page when signed by Canada;
 - b. Duly completed Bid and Acceptance Form and any Appendices attached thereto;
 - c. Drawings and Specifications;
 - d. General Conditions and clauses

| | | | |
|------|--|--------|---------------|
| GC1 | General Provisions – Construction Services | R2810D | (2016-04-04); |
| GC2 | Administration of the Contract | R2820D | (2016-01-28); |
| GC3 | Execution and Control of the Work | R2830D | (2015-02-25); |
| GC4 | Protective Measures | R2840D | (2008-05-12); |
| GC5 | Terms of Payment | R2850D | (2016-01-28); |
| GC6 | Delays and Changes in the Work | R2860D | (2016-01-28); |
| GC7 | Default, Suspension or Termination of Contract | R2870D | (2008-05-12); |
| GC8 | Dispute Resolution | R2880D | (2016-01-28); |
| GC9 | Contract Security | R2890D | (2014-06-26); |
| GC10 | Insurance | R2900D | (2008-05-12); |
 - e. Allowable Costs for Contract Changes Under GC6.4.1 R2950D (2015-02-25);
 - f. Supplementary Conditions
 - g. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - h. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - i. Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site:
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.

SUPPLEMENTARY CONDITIONS (SC)

SC01 INSURANCE TERMS

1) Insurance Contracts

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

2) Period of Insurance

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.
- (b) The Contractor must be responsible to provide and maintain coverage for Products/Completed Operations hazards on its Commercial General Liability insurance policy, for a period of six (6) years beyond the date of the Certificate of Substantial Performance.

3) Proof of Insurance

- (a) Before commencement of the Work, and no later than thirty (30) days after contract award, the Contractor must deposit with Canada a Certificate of Insurance on the form attached herein.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

4) Insurance Proceeds

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.

5) Deductible

The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.

SC02 PERFORMANCE EVALUATION-CONTRACT

R2810D General Condition is modified to include the following GC1.22.

GC1.22 Performance Evaluation-Contract

1. Contractors must take note that the performance of the Contractor during and upon completion of the services shall be evaluated by Canada. The evaluation includes all or some of the following criteria:
 - a. quality of workmanship
 - b. time
 - c. project management
 - d. contract management
 - e. health and safety
2. A weighting factor of 20 points will be assigned to each of the five criteria as follows:
 - a. unacceptable: 0 to 5 points
 - b. not satisfactory: 6 to 10 points

- c. satisfactory: 11 to 16 points
- d. superior: 17 to 20 points

3. The consequences resulting from the performance evaluation are as follows:

- a. For an overall rating of 85% or higher, a congratulation letter is sent to the Contractor.
- b. For an overall rating of between 51% and 84%, a standard, meets expectations letter, is sent to the Contractor.
- c. For an overall rating of between 30% and 50%, a warning letter is sent to the Contractor indicating that if, within the next two (2) years, they receive 50% or less on another evaluation, the firm may be suspended from any new PWGSC solicitations for construction services, architectural and engineering services or facility maintenance services, of real property projects, for a period of one year.
- d. For an overall rating of less than 30%, a suspension letter is sent to the Contractor indicating that the firm is suspended from any new PWGSC solicitations for construction services, architectural and engineering services or facility maintenance services, of real property projects, for a period of one year.
- e. For a rating of 5 points or less on any one criterion, a suspension letter is sent to the Contractor indicating that the firm is suspended from any new PWGSC solicitations for construction services, architectural and engineering services or facility maintenance services, of real property projects, for a period of one year.

The form PWGSC-TPSGC 2913, Select - Contractor Performance Evaluation Report (CPERF), is used to record the performance.

SC03 INTERPRETATION

R2810D General Condition GC1.1.2 Terminology is modified to include the following,

“Architectural and Engineering Services”:

Mean's services to provide a range of investigation and recommendation reports, planning, design, preparation, or supervision of the construction, repair, renovation or restoration of a work and includes contract administration services, for real property projects.

“Construction Services”:

Means construction, repair, renovation or restoration of any work except a vessel and includes; the supply and erection of a prefabricated structure; dredging; demolition; environmental services related to a real property; or, the hire of equipment to be used in or incidentally to the execution of any construction services referred to above.

“Facility Maintenance Services”:

Means services related to activities normally associated with the maintenance of a facility and keeping spaces, structures and infrastructure in proper operating condition in a routine, scheduled, or anticipated fashion to prevent failure and/or degradation including inspection, testing, servicing, classification as to serviceability, repairs, rebuilding and reclamation, as well as cleaning, waste removal, snow removal, lawn care, replacement of flooring, lighting or plumbing fixtures, painting and other minor works.

BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

Maintenance Camp Insitu
Muncho Lake and Fireside Camp, Alaska Highway, B.C.

BA02 BUSINESS NAME AND ADDRESS OF BIDDER

Name: _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

E-mail address: _____

Industrial Security Program Organisation Number (ISP ORG#) _____
(when required)

BA03 THE OFFER

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the **TOTAL BID AMOUNT INDICATED IN APPENDIX 1**.

BA04 BID VALIDITY PERIOD

The bid must not be withdrawn for a period of **thirty (30)** days following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Bidder's offer by Canada, a binding Contract will be formed between Canada and the Bidder. The documents forming the Contract will be the Contract Documents identified in "Contract Documents (CD)" section.

BA06 CONSTRUCTION TIME

The Contractor shall perform and complete the Work by November 01, 2017

BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with GI08 - Bid Security Requirements of R2710T - General Instructions - Construction Services - Bid Security Requirements.

BA08 SIGNATURE

Name and title of person authorized to sign on behalf of Bidder (Type or print)

Signature

Date

APPENDIX 1 - COMBINED PRICE FORM

- 1) The prices per unit will 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.
- (c) **Optional work (B) shall be exercised at the discretion of the Department Representative.**

A) BASE WORK

| 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 – Muncho Lake and Fireside Maintenance Camps | Lump Sum | 1 | | |
| 5 | Site Facilities Operation - Muncho Lake and Fireside Maintenance Camps | Week | 5 | | |
| 6 | Standby Time | Day | 5 | | |
| 7 | Design, Construction and Operation of Hydrogen Peroxide Storage Area(s) – Muncho Lake Maintenance Camp | Lump Sum | 1 | | |
| 8 | Design, Construction and Operation of Hydrogen Peroxide Storage Area(s) – Fireside Maintenance Camp | Lump Sum | 1 | | |
| 9 | Supply, Installation, and Operation of Emergency Shower and Eye and Face Wash Equipment – Muncho Lake and Fireside Maintenance Camps | Lump Sum | 1 | | |
| 10 | Muncho Lake Radius of Influence Evaluation | Lump Sum | 1 | | |
| 11 | Muncho Lake Hydrogen Peroxide Injection – First Pass | Lump Sum | 1 | | |
| 12 | Fireside Radius of Influence Evaluation | Lump Sum | 1 | -- | |
| 13 | Fireside Hydrogen Peroxide Injection | Lump Sum | 1 | -- | |

| 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 |
|--|--|---------------------|-------------------------|--|--|
| 14 | Muncho Lake Borehole Advancement and Soil Sample Collection – After First Pass | Lump Sum | 1 | -- | |
| 15 | Fireside Borehole Advancement and Soil Sample Collection | Lump Sum | 1 | -- | |
| 16 | Site Restoration | Lump Sum | 1 | -- | |
| 17 | Demobilization | Lump Sum | 1 | -- | |
| 18 | Closeout Submittals | Lump Sum | 1 | -- | |
| (A) BASE WORK: TOTAL EXTENDED AMOUNT (Excluding GST) | | | | | |

(B) OPTIONAL WORK

| 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 | Muncho Lake Catalyst Injection – First Pass | Lump Sum | 1 | -- | |
| 2 | Muncho Lake Catalyst Injection – Second Pass | Lump Sum | 1 | -- | |
| 3 | Muncho Lake Hydrogen Peroxide Injection – Second Pass | Lump Sum | 1 | -- | |
| 4 | Muncho Lake Borehole Advancement and Soil Sample Collection – After Second Pass | Lump Sum | 1 | -- | |
| 5 | Muncho Lake Hydrogen Peroxide Dilution and Injection | Day Rate | 10 | | |
| 6 | Mix Water Supply – Muncho Lake | Cubic Meter | 1,000 m ³ | \$ _____ | |
| (B) OPTIONAL WORK: TOTAL EXTENDED AMOUNT (Excluding GST) | | | | | \$ _____ |

TOTAL EVALUATED BID PRICE

| | |
|---|----------|
| (A) Total Extended Amount –Base Work | \$ _____ |
| (B) Total Extended Amount –Optional Work | \$ _____ |
| Total Bid Amount (A+B) Excluding applicable tax(es) | \$ _____ |

APPENDIX 3 - LISTING OF SUBCONTRACTORS

- 1) In accordance with [GI07 - Listing of Subcontractors and Suppliers of R2710T- General Instructions - Construction Services - Bid Security Requirements](#), the Bidder should provide a list of Subcontractors with his Bid.
- 2) The Bidder should submit the list of Subcontractors and for any portion of the Work valued at 20% or greater of the submitted Bid Price.

| | Subcontractor | Division | Estimated value of work |
|----|---------------|----------|-------------------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |

APPENDIX 4 - VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES

(page 1 of 2)

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA APPRENTICE PROCUREMENT INITIATIVE

1. To encourage employers to participate in apprenticeship training, Bidders, bidding on construction and maintenance contracts by Public Works and Government Services Canada (PWGSC) are being asked to sign a voluntary certification, signaling their commitment to hire and train apprentices.
2. Canada is facing skills shortages across various sectors and regions, especially in the skilled trades. Equipping Canadians with skills and training is a shared responsibility. The Government of Canada made a commitment to support the use of apprentices in federal construction and maintenance contracts. Contractors have an important role in supporting apprentices through hiring and training and are encouraged to certify that they are providing opportunities to apprentices as part of doing business with the Government of Canada.
3. The Government of Canada is encouraging apprenticeships and careers in the skilled trades. In addition, the government offers a tax credit to employers to encourage them to hire apprentices. Information on this tax measure administered by the Canada Revenue Agency can be found at: www.cra-arc.gc.ca. Employers are also encouraged to find out what additional information and supports are available from their respective provincial or territorial jurisdiction.
4. Signed certifications on page 2 of 2 will be used to better understand contractor use of apprentices on Government of Canada maintenance and construction contracts and may inform future policy and program development.
5. The Contractor hereby certifies the following:

In order to help meet demand for skilled trades people, the Contractor agrees to use, and require its subcontractors to use, reasonable commercial efforts to hire and train registered apprentices, to strive to fully utilize allowable apprenticeship ratios * and to respect any hiring requirements prescribed by provincial or territorial statutes

The Contractor hereby consents to this information being collected and held by PWGSC, and Employment and Social Development Canada to support work to gather data on the hiring and training of apprentices in federal construction and maintenance contracts.

To support this initiative, a voluntary certification signaling the Contractor's commitment to hire and train apprentices is available at page 2 of 2.

If you accept fill out and sign page 2 of 2.

** The journeyman-apprentice ratio is defined as the number of qualified/certified journeymen that an employer must employ in a designated trade or occupation in order to be eligible to register an apprentice as determined by provincial/territorial (P/T) legislation, regulation, policy directive or by law issued by the responsible authority or agency.*

Voluntary Certification

(To be filled out and returned with bid on a voluntary basis)

(page 2 of 2)

Note: The contractor will be asked to fill out a report every six months or at project completion as per sample "Voluntary Reports for Apprentices Employed during the Contract" provided at Annex C

Name: _____

Signature: _____

Company Name: _____

Company Legal Name: _____

Solicitation Number: _____

Number of company employees: _____

Number of apprentices planned to be working on this contract: _____

Trades of those apprentices:

ANNEX A - CERTIFICATE OF INSURANCE (Not required at solicitation closing)**CERTIFICATE OF INSURANCE**

Page 1 of 2

Travaux publics et
Services gouvernementaux
CanadaPublic Works and
Government Services
Canada

| | |
|---|-------------------------------------|
| Description and Location of Work Maintenance Camp Insitu Muncho Lake and Fireside Camp, Alaska Highway, B.C. | Contract No. EZ897-180850 |
| | Project No. |

| | | | | |
|--|-----------------------|------|----------|-------------|
| Name of Insurer, Broker or Agent | Address (No., Street) | City | Province | Postal Code |
| Name of Insured (Contractor) | Address (No., Street) | City | Province | Postal Code |
| Additional Insured <i>Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services</i> | | | | |

| Type of Insurance | Insurer Name and Policy Number | Inception Date D / M / Y | Expiry Date D / M / Y | Limits of Liability | | |
|--|-----------------------------------|--------------------------------|--------------------------|---------------------|--------------------------------|--------------------------------------|
| | | | | Per Occurrence | Annual General Aggregate | Completed Operations Aggregate |
| Commercial General Liability | | | | \$ | \$ | \$ |
| Umbrella/Excess Liability | | | | \$ | \$ | \$ |
| Builder's Risk / Installation Floater | | | | \$ | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

I certify that the above policies were issued by insurers in the course of their Insurance business in Canada, are currently in force and include the applicable insurance coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)

Telephone number

Date D / M / Y

Signature

CERTIFICATE OF INSURANCE Page 2 of 2

General

The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.

The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.

The Policy shall be endorsed to provide the Owner with not less than 30 days' notice in writing in advance of any cancellation or change or amendment restricting coverage.

Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Commercial General Liability

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.

Builder's Risk / Installation Floater

The insurance coverage provided must not be less than that provided by the latest edition of IBC Forms 4042 and 4047.

The policy must permit use and occupancy of any of the projects, or any part thereof, where such use and occupancy is for the purposes for which a project is intended upon completion.

The policy may exclude or be endorsed to exclude coverage for loss or damage caused by asbestos, fungi or spores, cyber and terrorism.

The policy must have a limit that is **not less than the sum of the contract value** plus the declared value (if any) set forth in the contract documents of all material and equipment supplied by Canada at the site of the project to be incorporated into and form part of the finished Work. If the value of the Work is changed, the policy must be changed to reflect the revised contract value.

The policy must provide that the proceeds thereof are payable to Canada or as Canada may direct in accordance with GC10.2, "Insurance Proceeds" (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2>).

ANNEX B - VOLUNTARY REPORT FOR APPRENTICES EMPLOYED DURING THE CONTRACT
(Sample)

This report is not required at bid deposit)

The Contractor should compile and maintain records on the number of apprentices and their trade that were hired to work on the contract.

The Contractor should provide this data in accordance with the format below. If no apprentices were hired during the contract period, the Contractor should still provide a "nil" report.

The data should be submitted to the Contracting Authority either six months after contract award or at the end of the contract, whichever comes first.

| Number of apprentices hired | Trade |
|-----------------------------|-------|
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Addendum No. 1

The following changes/clarifications in the tender documents are effective immediately. This Addendum will form part of the Contract Documents.

Changes to the UPT are as follows:

- Line Item 11 in the Base Work table has been moved to line item 1 of the Optional Work table – the table has been renumbered accordingly.

Changes to the Drawings are as follows:

- Drawing 635031-805 – Notes 3 and 4 have been modified to indicate a solution of hydrogen peroxide, potassium citrate, and citric acid.
- Drawing 635031-806 – Drawing Title has been modified to indicate work as Optional Work.
- Drawing 635031-807 - Note 4 has been modified to indicate a solution of hydrogen peroxide, potassium citrate, and citric acid.
- Drawing 635031-810 - Note 4 has been modified to indicate a solution of hydrogen peroxide, potassium citrate, and citric acid.

For the document portion of the tender Specification, the following sections to be amended as follows:

Section 01 11 00 – Summary of Work;

- Section 1.1.11 – To be moved from section 1.1 Measurement Procedures – Base Work to section 1.2 Measurement Procedures – Optional Work (as Section 1.2.1)

Section 02 61 00.05 – First Stage In-Situ Remediation;

- Section 1.3.2 – Change to “Quality Assurance and Quality Control Program for the Determination of Volume, Mass, and Concentration of Hydrogen Peroxide, **Citric Acid, and Potassium Citrate** Supplied, Mixed, and Injected within 10 Working Days after Contract award and prior to mobilization to the Site.”
- Section 2.1 – Materials – Add the following:
 - Meet the following requirements for the supply of Citric Acid:
 - Manufactured with current Good Manufacturing Processes and is Food Grade Quality
 - Supply Citric Acid at the specified concentration (% by weight)
 - Meet the following requirements for the supply of Potassium Citrate:
 - Manufactured with current Good Manufacturing Processes and is Food Grade Quality
 - Supply Potassium Citrate at the specified concentration (% by weight)

Solicitation No. - N° de l'invitation
EZ897-180850/A

Amd. No. - N° de la modif.
1

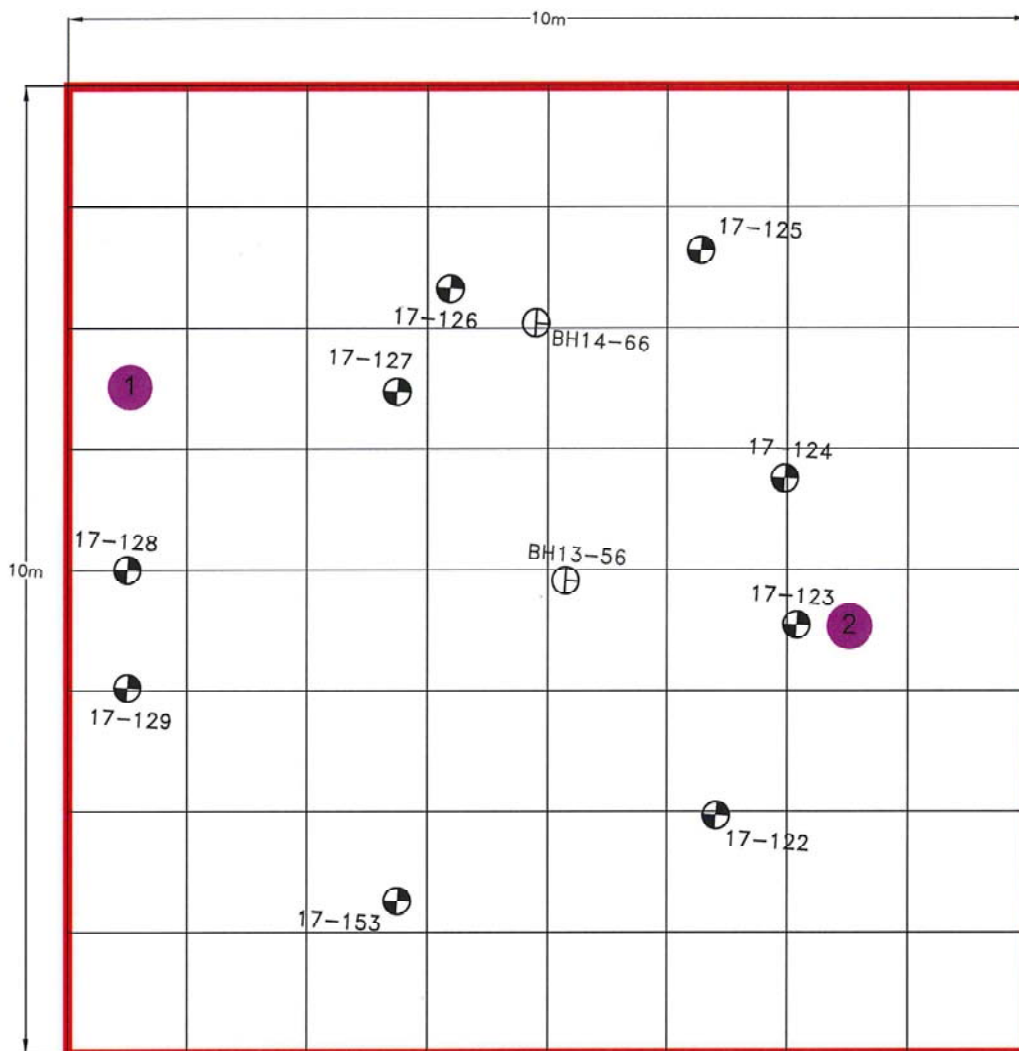
Buyer ID - Id de l'acheteur
PWY004

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

- Section 3.6 – Muncho Lake Catalyst Injection – First Pass (Base Work) – Should be changed to Optional Work



CONSTRUCTION NOTES:

1. INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
2. ADVANCE 57mm DIAMETER PROBE ROD AT THE INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
3. AT INJECTION LOCATION 1, INJECT A 13,500 L SOLUTION OF 17.5% HYDROGEN PEROXIDE, 0.35% CITRIC ACID, AND 0.875% POTASSIUM CITRATE AT A FLOW RATE OF 15 L/MINUTE AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
4. AT INJECTION LOCATION 2, INJECT A 13,500 L SOLUTION OF 17.5% HYDROGEN PEROXIDE, 0.35% CITRIC ACID, AND 0.875% POTASSIUM CITRATE AT A FLOW RATE OF 15 L/MINUTE AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.



LEGEND

- MONITORING WELL LOCATION
- ⊕ DESTROYED MONITORING WELL
- ROI INJECTION LOCATION

REFERENCE DRAWINGS

| DWG. NO. | DATE | DESCRIPTION |
|------------------|------------|------------------|
| REVISIONS | | |
| 2 | 2017-08-03 | REV 1 |
| 1 | 2017-07-17 | ISSUED TO CLIENT |
| 0 | 2017-07-06 | ISSUED AS DRAFT |
| REV. | DATE | DESCRIPTION |



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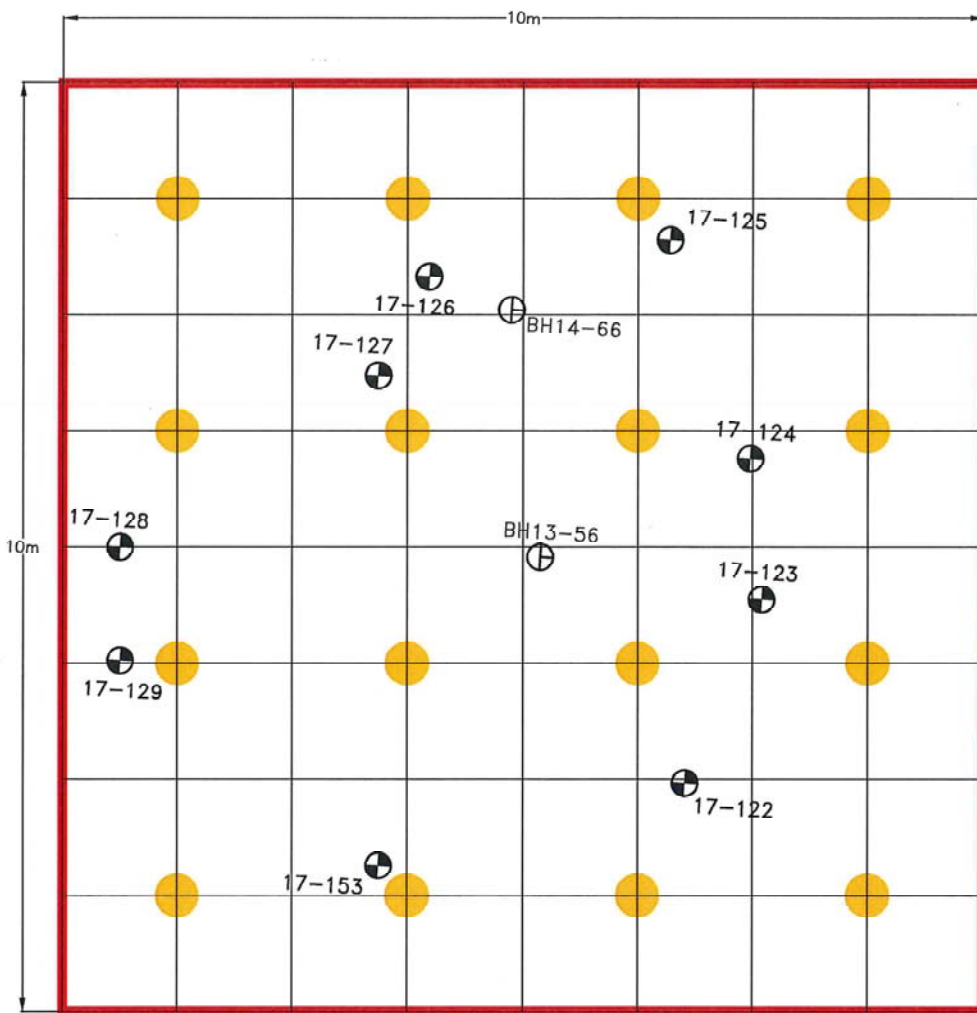
CLIENT NAME:
PUBLIC SERVICES AND
PROCUREMENT CANADA

PROJECT LOCATION:
MUNCHO LAKE
ALASKA HIGHWAY, B.C.

TITLE:
**MUNCHO LAKE MAINTENANCE CAMP
ROI INJECTION PLAN - BASE WORK**

DWN BY: PRT SCALE: 1:75 DATE: 2017-06-29 DWG No: REV.: 2
CHK'D: FG PLOT: 20170803.1456 CADFILE: 635031R18_800 **635031-805**

PATH: P:\CURRENT PROJECTS\PMSC\635031 MUNCHO LAKE\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\635031R18_800.DWG



CONSTRUCTION NOTES:

- INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
- ADVANCE 57mm DIAMETER PROBE ROD AT THE 16 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- INJECT A TOTAL OF 10,500 L OF 7.7% SOLUTION OF CATALYST (656 L/LOCATION) AT A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE. 10,500 L OF 7.7% CATALYST SOLUTION REQUIRES 3,750kgs OF A 22% CATALYST SOLUTION.



LEGEND

- ROI MONITORING WELL LOCATION
- DESTROYED MONITORING WELL
- CATALYST INJECTION LOCATION

REFERENCE DRAWINGS

| DWG. NO. | DATE | DESCRIPTION |
|-----------|------------|------------------|
| REVISIONS | | |
| 1 | 2017-08-03 | REV 1 |
| 0 | 2017-07-17 | ISSUED TO CLIENT |
| REV. | DATE | DESCRIPTION |
| | | BY CHK |
| | | PRT FG |
| | | CHK'D: FG |



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CLIENT NAME:
PUBLIC SERVICES AND
PROCUREMENT CANADA

PROJECT LOCATION:
MUNCHO LAKE
ALASKA HIGHWAY, B.C.

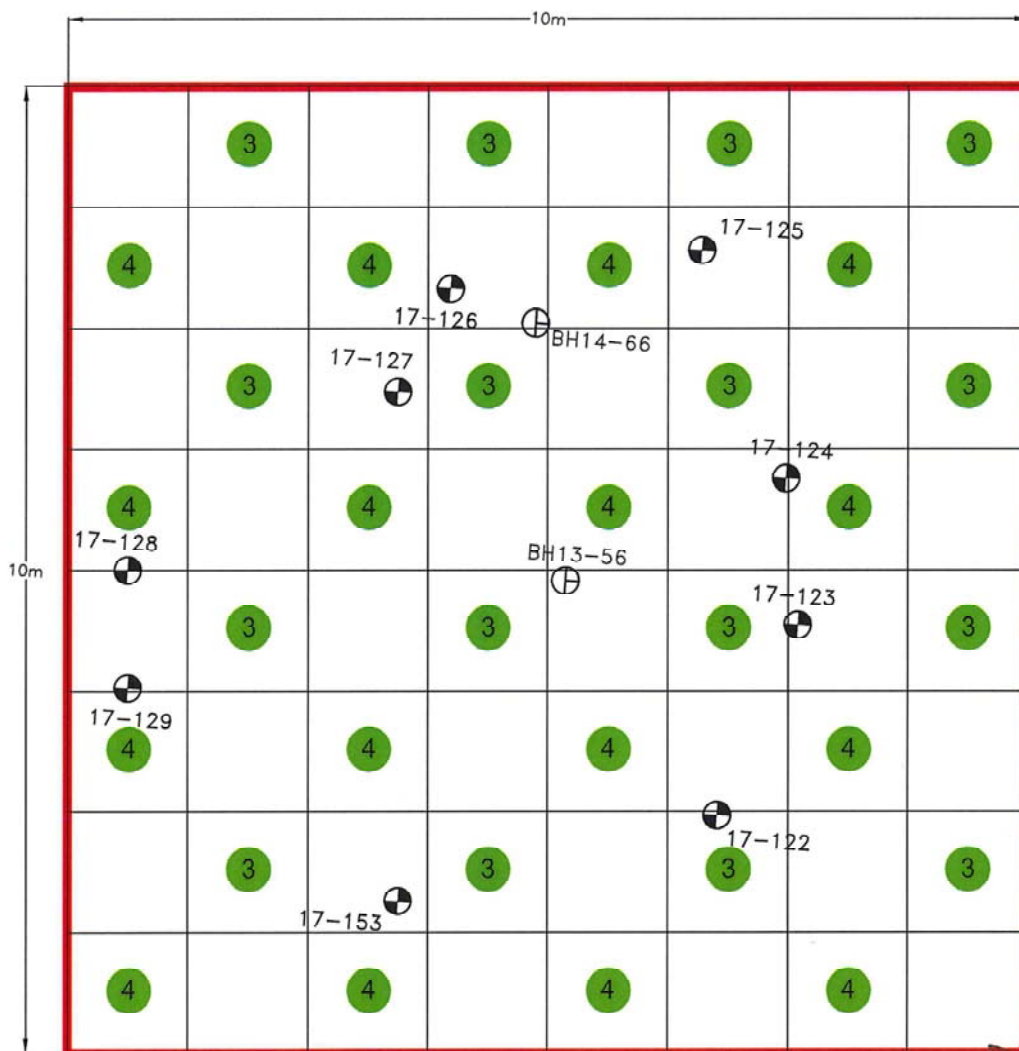
TITLE:
**MUNCHO LAKE MAINTENANCE CAMP FIRST PASS
CATALYST INJECTION PLAN - OPTIONAL WORK**

DWN BY: PRT SCALE: 1:75 DATE: 2017-06-29 DWG No: REV: 1
CHK'D: FG PLOT: 20170803.1451 CADFILE: 635031R18_800 **635031-806**

PATH: P:\CURRENT PROJECTS\PNWSC\635031 MUNCHO LAKE\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\635031R18_800.DWG



PATH: P:\CURRENT PROJECTS\PW03C\635031 MUNCHO LAKE\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\635031R18_800.DWG



CONSTRUCTION NOTES:

- INJECTION LOCATIONS SHALL BE LOCATED EXACTLY AS SHOWN. DEPARTMENTAL REPRESENTATIVE WILL LOCATE FINAL INJECTION LOCATIONS ON SITE.
- INJECTION LOCATIONS SHALL BE COMPLETED IN THE NUMERICAL ORDER INDICATED.
- ADVANCE 57mm DIAMETER PROBE ROD AT THE 32 INJECTION LOCATIONS TO A DEPTH OF 11m OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- INJECT A 200,000 L SOLUTION OF 17.5% HYDROGEN PEROXIDE, 0.35% CITRIC ACID, AND 0.875% POTASSIUM CITRATE (6,250 L/LOCATION) AT A DEPTH OF 11M OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- THE CONTRACTOR SHALL HAVE PROVISIONS FOR DILUTION OF 17.5% HYDROGEN PEROXIDE TO A CONCENTRATION OF 5%, OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE, FOR SUBSEQUENT INJECTION.

LEGEND

- MONITORING WELL LOCATION
 - DESTROYED MONITORING WELL
 - THIRD INJECTION LOCATIONS
 - FOURTH INJECTION LOCATIONS
- INJECTION POINT SPACING 1.25m
FINAL DENSITY 0.64 POINTS/m³

REFERENCE DRAWINGS

| DWG. NO. | DATE | DESCRIPTION |
|------------------|------------|------------------|
| REVISIONS | | |
| 1 | 2017-08-03 | REV 1 |
| 0 | 2017-07-17 | ISSUED TO CLIENT |
| REV. | DATE | DESCRIPTION |



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CLIENT NAME:
PUBLIC SERVICES AND
PROCUREMENT CANADA

PROJECT LOCATION:
MUNCHO LAKE
ALASKA HIGHWAY, B.C.

TITLE:
**MUNCHO LAKE MAINTENANCE CAMP
SECOND PASS INJECTION PLAN - OPTIONAL WORK**

DWG. NO. PRT SCALE: 1:75 DATE: 2017-08-29 DWG. NO. REV. 1
CHK'D: FG PLOT: 20170803.1457 CADFILE: 635031R10_800 **635031-810**

PATH: F:\CURRENT PROJECTS\PW030\635031 MUNCHO LAKE\4.0 EXECUTION\4.5 GIS AND DRAWINGS\CAD\635031R10_800.DWG