



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**

**189 Prince William St Rm 405
189, rue Prince William, pièce 405
Saint-John, NB E2L 2B9
Bid Fax: (506) 636-4376**

**Request For a Standing Offer
Demande d'offre à commandes**

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

Canada, as represented by the Minister of Public Works and
Government Services Canada, hereby requests a Standing Offer
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et
Services Gouvernementaux Canada, autorise par la présente,
une offre à commandes au nom des utilisateurs identifiés
énumérés ci-après.

Comments - Commentaires

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

Issuing Office - Bureau de distribution

Saint John, NB (STJ)
189 Prince William St., Rm 405
189, rue Prince William, Pc 405
St. John, NB E2L 2B9

Title - Sujet RISO Asbestos Abatement-Gagetown	
Solicitation No. - N° de l'invitation W6837-175309/A	Date 2017-01-04
Client Reference No. - N° de référence du client W6837-175309	GETS Ref. No. - N° de réf. de SEAG PW-\$STJ-004-4064
File No. - N° de dossier STJ-6-39169 (004)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-02-15	
Time Zone Fuseau horaire Atlantic Standard Time AST	
Delivery Required - Livraison exigée See Herein	
Address Enquiries to: - Adresser toutes questions à: Johnston, Edward	Buyer Id - Id de l'acheteur stj004
Telephone No. - N° de téléphone (506)636-4416 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE REAL PROPERTY OPERATIONS DETACHMENT 238 CHAMPLAIN AVENUE, BLDG B18 OROMOCTO New Brunswick E2V4J5 Canada	
Security - Sécurité This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

Instructions: See Herein

Instructions: Voir aux présentes

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

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IMPORTANT NOTICE TO OFFERORS

Support the use of apprentices

Through Canada's Economic Action Plan 2013, 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 Contractor's commitment to hire and train apprentices is available at Annex D.

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ANNEX "C"

**COMPLETE LIST OF EACH INDIVIDUAL WHO ARE CURRENTLY DIRECTORS AND/OR OWNERS
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ANNEX "D"

VOLUNTARY CERTIFICATION TO SUPPORT THE USE OF APPRENTICES.....

ANNEX "E" SPECIFICATION

PART 1 - GENERAL INFORMATION

1.1 Introduction

The Request for Standing Offers (RFSO) is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;
- Part 3 Offer Preparation Instructions: provides Offerors with instructions on how to prepare their offer to address the evaluation criteria specified;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Insurance Requirements: includes specific requirements that must be addressed by Offerors; and
- Part 7 7A, Standing Offer, and 7B, Resulting Contract Clauses:
 - 7A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;
 - 7B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Basis of Payment, Certifications Precedent To Standing Offer Award, the Security Requirements Check List, a Reminder to submit a Complete List of names of all individual who are currently directors of the Offeror, Voluntary Certification To Support The Use Of Apprentices and the Statement of Work.

1.2 Summary

The Department of National Defence (DND), CFB Gagetown, Oromocto, New Brunswick has a requirement for the establishment of a Regional Individual Standing Offer (RISO). Work covered in this Standing Offer Agreement comprises the supply of all labour, material, and equipment required for asbestos abatement for Type 2 and Type 3 removals from buildings located within 5 CDSB Gagetown Tunnel Systems, Training Area and Various Sites as directed by the Engineer in accordance with the WorkSafeNB Safety Commission Manual of Standard Practice for Safe Handling of Asbestos, latest edition. Air Monitoring as required or as directed by the Engineer. Exact extent and location of work as per Engineer's instruction on a CF-942, Call up on a Standing Offer with each request for abatement services. The work will be performed as and when requested, from date of April 01, 2017 to March 31, 2019. All work is to be completed in accordance with the Specification attached Annex "E" forming part of the bid document.

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This agreement is subject to the provisions of the Agreement on Internal Trade, the North American Free Trade Agreement, the World Trade Organization's Agreement on Government Procurement (WTO-AGP) and the Canada-Peru, Canada-Colombia and Canada-Panama Free Trade Agreements.

1.3 Debriefings

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

PART 2 - OFFEROR INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The [2006](#) (2016/04/04) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
M0019T	Firm Price and/or Rates	2007/05/25

2.2 Submission of Offers

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the Request for Standing Offers.

Offers by facsimile will be accepted. Facsimile number is (506) 636-4376

2.3 Former Public Servant

Former Public Servant - Competitive Requirements

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror of a time frame within which to provide the information.

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Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the offer non-responsive.

Definitions

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the [Financial Administration Act](#) R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Offeror a FPS in receipt of a pension? YES () NO ()

If so, the Offeror must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Offerors agree that the successful Offeror's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

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Work Force Adjustment Directive

Is the Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **YES** () **NO** ()

If so, the Offeror must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

2.4. Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than five (5) calendar days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by Offerors to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that Offerors do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Offerors. Enquiries not submitted in a form that can be distributed to all Offerors may not be answered by Canada.

2.5. Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Offerors.

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PART 3 - OFFER PREPARATION INSTRUCTIONS

3.1. Offer Preparation Instructions

Section I: Financial Offer

Offerors must submit their financial offer in accordance with the "Annex A" "Basis of Payment". The total amount of Applicable Taxes must be shown separately, if applicable.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the offers.

4.1.1 Financial Evaluation

Offerors will be evaluated on the basis of the lowest overall Total Estimated Cost in Canadian dollars, the Harmonized Sales Tax (HST) excluded. The Total Estimated Cost will be calculated using the estimated usage figures on each of the Unit Price Tables (See Annex "A"). Offerors are not required to submit prices for all locations however are required to bid on all line items in the selected location or their offer may be considered non-responsive. Each location will be evaluated separately and separate Standing Offers will be awarded for each location.

4.2 Basis of Selection

An offer must comply with the requirements of the Request for Standing Offers to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Offerors must provide the required certifications and additional information to be issued a standing offer.

The certifications provided by Offerors to Canada are subject to verification by Canada at all times. Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default if any certification made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offeror's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority will render the offer non-responsive, result in the setting aside of the Standing Offer or constitute a default under the Contract.

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5.1 Certifications Required with the Offer

Offerors must submit the following duly completed certifications as part of their offer.

5.1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Offeror must provide with its offer, a completed [Declaration Form](#), to be given further consideration in the procurement process.

5.1.2 Integrity Provisions – List of Names

Offerors who are incorporated, including those submitting offers as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Offeror.

Offerors submitting offers as sole proprietorship, as well as those submitting offers as a joint venture, must provide the name of the owner(s).

Offerors submitting offers as societies, firms or partnerships do not need to provide lists of names.

5.2 Certifications Precedent to the Issuance of a Standing Offer and Additional Information

The certifications and additional information listed in **Annex “B” Certifications Precedent to Standing Offer Award** should be submitted with the offer, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the offer non-responsive.

5.2.1 SACC Manual Clauses - Status and Availability of Resources

SACC Reference	Section	Date
M3020T	Status and Availability of Resources	2016-01-28

PART 6 - SECURITY, FINANCIAL AND INSURANCE REQUIREMENTS

6.1 Insurance Requirements

The Offeror must provide a letter from an insurance broker or an insurance company licensed to operate in Canada stating that the Offeror, if issued a standing offer as a result of the request for standing offer, can be insured in accordance with the Insurance Requirements specified herein.

If the information is not provided in the offer, the Standing Offer Authority will so inform the Offeror and provide the Offeror with a time frame within which to meet the requirement. Failure to comply with the request of the Standing Offer Authority and meet the requirement within that time period will render the offer non-responsive.

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PART 7 - STANDING OFFER AND RESULTING CONTRACT CLAUSES

A. STANDING OFFER

7A.1 Offer

7A.1.1 The Offeror offers to fulfill the requirement in accordance with the Specification at Annex "E".

7A.2 Standard Clauses and Conditions

All clauses and conditions identified in the Standing Offer and resulting contract by number, date and title are set out in the *[Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual)* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

7A.2.1 General Conditions

2005 (2016/04/04) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

7A.3 Term of Standing Offer

7A.3.1 Period of the Standing Offer

The period for making call-ups against the Standing Offer is from April 01, 2017 to March 31, 2019.

7A.4. Authorities

7A.4.1 Standing Offer Authority

The Standing Offer Authority is:

Name: Edward Johnston
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Real Property Contracting
189 Prince William Street, Room 405
Saint John, New Brunswick
E2L 2B9

Telephone: (506) 636-3142
Facsimile: (506) 636-4376
E-mail address: Edward.johnston@pwgsc-tpsgc.gc.ca

The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

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7A.4.2 Project Authority

The Project Authority for the Standing Offer is identified in the call-up against the Standing Offer.

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up against the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

7A.4.3 Offeror's Representative (Offeror please complete)

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

7A.5 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7A.6 Identified Users

The Identified User authorized to make call-ups against the Standing Offer is: Department of National Defence.

7A.7 Call-up Instrument

The Work will be authorized or confirmed by the Identified User(s) using form CF942, *Call-up Against a Standing Offer*.

7A.8 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed \$40,000.00 (Applicable Taxes included).

7A.9 Financial Limitation

The total cost to Canada resulting from call ups against the Standing Offer must not exceed the sum of **\$200,000.00** (Applicable Taxes excluded) unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or services or supply any articles in response to call ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or 4 months before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

7A.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2016/04/04), General Conditions - Standing Offers - Goods or Services
- d) the supplemental general conditions 2010C (2016-04-04) General Conditions - Services (Medium Complexity)
- e) Annex E, Specification;
- f) Annex A, Basis of Payment;
- g) Any amendment issued or any allowable offer revision received before the date and time set for solicitation closing
- h) the Offeror's offer dated _____

7A.11 Certifications

7A.11.1 Compliance

The continuous compliance with the certifications provided by the Offeror with its offer and the ongoing cooperation in providing additional information are conditions of issuance of the Standing Offer (SO). Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO. If the Offeror does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

7A.12 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in **New Brunswick**.

B. RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

7B.1 Specification

The Contractor must perform the Work described in the call-up against the Standing Offer.

7B.2 Standard Clauses and Conditions

7B.2.1 General Conditions

[2005](#) (2016/04/04), General Conditions - Standing Offers - Goods or Services

7B.2.2 Supplemental General Conditions

[2010C](#) (2016/04/04), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

7B.3 Term of Contract

7B.3.1 Period of the Contract

The Work must be completed in accordance with the call-up against the Standing Offer.

7B.4 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7B.5 Payment

7B.5.1 Basis of Payment

Refer to "Annex "A" – Basis of Payment.

7B.5.2 Limitation of Price

SACC Manual clause [C6000C](#) (2011/05/16) Limitation of Price

7B.5.3 Single Payment

SACC Manual clause [H1000C](#) (2008/05/12) Single Payment

7B.6 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

7B.7 Insurance Requirements

Insurance - Specific Requirements

The Contractor must comply with the insurance requirements specified herein. The Contractor must maintain the required insurance coverage for the duration of the Contract. 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.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. For Canadian-based Contractors, coverage must be placed with an Insurer licensed to carry out business in Canada, however, for Foreign-based Contractors, coverage must be placed with an Insurer with an A.M. Best Rating no less than "A-". The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - (a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - (b) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - (c) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - (d) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - (e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - (f) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - (g) Employees and, if applicable, Volunteers must be included as Additional Insured.

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- (h) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
- (i) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
- (j) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- (k) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- (l) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
- (m) Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.
- (n) Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.

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ANNEX "A"
BASIS OF PAYMENT
ASBESTOS ABATEMENT

April 01, 2017 until March 31, 2019

Item	Description	Unit of Measure	Estimated Quantity	Price/ Unit	Estimated Total Price
1)	Unit rate for air monitoring	Each	80	\$ _____	\$ _____
2)	Unit rate for on-site supervisor during removal of asbestos by PVC bag method and asbestos abatement remediation referred to Sections 13571 and 13576	Per Hour	1500	\$ _____	\$ _____
3)	Unit rate for a labourer during removal of asbestos by PVC bag method and asbestos abatement remediation referred to Sections 13571 and 13576	Per Hour	1500	\$ _____	\$ _____
4)	All product and materials will be invoiced at the Contractor's wholesale cost plus a percentage for mark-up, estimated at \$60,000. The Contractor is to submit a percent of mark-up for tendering purposes: _____% Allowance + Mark-up = TOTAL	Allowance	\$60,000.00	Mark-up \$ _____	Allowance + Mark-up = \$ _____
	TOTAL Estimated Amount used for Evaluation				\$ _____

Note: The estimated quantity entered in column four for each item is an estimate only for services as and when requested and does not infer that all the quantities for that item will be utilized or that the quantities may not be exceeded.

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ANNEX "B"

CERTIFICATIONS PRECEDENT TO STANDING OFFER AWARD

1. Workers' Compensation Certification - Letter of Good Standing Within seven (7) days and prior to award, provide proof that the Offeror has an account in good standing with the applicable provincial or territorial Workers' Compensation Board.
2. Submit satisfactory proof to Engineer that all employees have had instruction on the hazards of asbestos exposure, respirator use, dress, use of showers, entry and exit from work areas, and all aspects of work procedures and protective measures.
3. The Contractor's superintendent(s) shall have attended an asbestos abatement course of not less than two (2) days duration, approved by the Engineer.
4. Submit proof of attendance in the form of a certificate. Acceptable courses:
 - .1 The Association of the Wall and Ceiling Industry (AWCI);
 - .2 Pinchen and Associates;
 - .3 Ontario Research Foundation (ORTECH);
 - .4 AGRA Monenco; and
 - .5 Confined Space Course.
5. Proof of liability insurance for a minimum amount of two million (\$2,000,000) as specified.

ANNEX "D"

Voluntary Certification to Support the Use of Apprentices

1. To encourage employers to participate in apprenticeship training, Contractors 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. In Economic Action Plan (EAP) 2013, 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. Through the Economic Action Plan 2013 and support for training programs, 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 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 tradespeople, 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 ratios¹ 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.

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ANNEX "D"

Voluntary Certification to Support the Use of Apprentices (cont.)

The journey-person-apprentice ratio is defined as the number of qualified/certified journey-persons 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.

Name:

Signature:

Company Name:

Company Legal Name:

Solicitation Number:

Optional information to provide:

Number of apprentices planned to be working on this contract:

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ANNEX “E”

Specification L-G2-9900/1739



**DEPARTMENT OF NATIONAL DEFENCE
REAL PROPERTY OPERATIONS
DETACHMENT (GAGETOWN)
5 CDSB GAGETOWN**

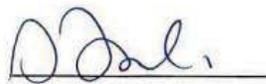
SPECIFICATION

STANDING OFFER AGREEMENT

ASBESTOS ABATEMENT

**BASE, TRAINING AREA AND ARMOURY LOCATIONS
01 APRIL 2017 TO 31 MARCH 2019**


Designed by


Fire Inspector


Contract O


Engineering O

PF No:

Job No: L-G2/9900/1739

Date: 2016-10-12

<u>Section</u>	<u>Title</u>	<u>Pages</u>
Division 01		
00 21 13	Instructions to Bidders	6
01 35 35	DND Fire Safety Requirements	3
01 35 43	Environmental Protection	1
01 60 00	Material and Equipment	1
01 74 11	Cleaning	1
Division 02		
02085	Asbestos Abatement Crawlspace Clean-up	2
Division 13		
13571	Asbestos Removal PVC Bag Method	4
13576	Asbestos Abatement Asbestos Class 2 or 3 Materials	2

END OF SECTION

1.01 DESCRIPTION OF WORK

- .1 Work under this Standing Offer Agreement covers the supply of all labour, material and equipment required for Asbestos Abatement for Type 2 and 3 removals from buildings located within 5 CDSB Gagetown Tunnel Systems, Training Area and Various Sites as directed by the Engineer in accordance with the WorkSafeNB Safety Commission manual of Standard Practice for Safer Handling of Asbestos, latest edition. Air Monitoring as required or as directed by the Engineer.
- .2 Exact extent and location of work as per Engineer's instruction on a CF-942, Call up on a Standing Offer with each request for abatement services.

1.02 ENGINEER

- .1 The Engineer, as defined and stated in these specifications and contract documents will be the Commanding Officer Real Property Operations Detachment (Gagetown) or a designated representative. The address of the Engineer is:

Contracts Office
Real Property Operations
Detachment Gagetown
Building B18
238 Champlain Avenue
PO Box 17000 Station Forces
Oromocto, NB E2V 4J5
Tel: (506) 422-2677
Fax: (502) 422-1248

1.03 DURATION OF CONTRACT

- .1 This period of this Standing Offer Agreement will extend from 01 April 2017 to 31 March 2019.

1.04 CERTIFICATION OF PERSONNEL

- .1 Submit satisfactory proof to Engineer that all employees have had instruction on the hazards of asbestos exposure, respirator use, dress, use of showers, entry and exit from work areas, and all aspects of work procedures and protective measures.
- .2 The Contractor's superintendent(s) shall have attended an asbestos abatement course of not less than two (2) days duration, approved by the Engineer.
- .3 Submit proof of attendance in the form of a certificate. Acceptable courses:
 - .1 The Association of the Wall and Ceiling Industry (AWCI);
 - .2 Pinchen and Associates;
 - .3 Ontario Research Foundation (ORTECH);
 - .4 AGRA Monenco; and
 - .5 Confined Space Course.

1.05 WORK REQUISITION

- .1 The work to be performed on demand when ordered by the Engineer is as follows:

- .1 The Contractor will provide service as indicated in Section 00 21 13 Sub Section 1.1;
- .2 The Contractor will advise the Engineer of the telephone number or location at which they or their representative may be contacted at all times;
- .3 The Contractor, on receipt of an authorized call up, will be advised by the Engineer in writing, the names of persons authorized to request service. Work undertaken at the request of others will be entirely at the Contractor's risk with regard to payment;
- .4 The Contractor will not refuse any call for service required by the Engineer and will carry out the service with a minimum of delay;
- .5 When service is required, the Engineer will notify the Contractor and detail the job. Service will be requisitioned on Form CF 942, Call-Up Against A Standing Offer. This form will detail the work to be done and will be signed by an authorized person;
- .6 The Contractor will proceed to the location of the job and carry out the work. On completion of the work detailed on CF 942, the Contractor will insure the work is to the satisfaction of the Engineer, once inspected by the Engineer the CF 942 form is to accompany the invoice; and
- .7 The Contractor will submit the invoice within 10 working days of the completion of the work.

1.06 BASIS OF PAYMENT

- .1 The work done under this Standing Offer will be paid for on a unit price basis. Prices will include equipment required for asbestos removal, bagging, overhead, profit and transportation. Transportation to and from the company's base of operation to work site will be included in the unit prices.
- .2 All transactions related to this agreement may be verified by Government Audit before or after payment is made under the terms of this Standing Offer.

1.07 DISPOSAL

- .1 The Contractor will dispose of bags at an Approved Dump Site for Asbestos Waste in proper bags as per section 13571. Disposal slips from the approved site will accompany invoices. (Estimate 500 bags)at no cost to DND).
- .2 If the Contractor punctures the bags while removing them from this site, the Contractor shall wet the contents and repackage prior to disposing of them.

1.08 DOCUMENTS REQUIRED

- .1 Maintain at job site, one copy each of following:
 - .1 Drawings issued for work;
 - .2 Specifications;
 - .3 Addenda;
 - .4 Other modifications to project;
 - .5 Field test reports;
 - .6 Copy of approved work schedule; and
 - .7 Manufacturer's application instructions.

1.09 WORK SCHEDULE

- .1 Provide, prior to commencing work, schedule showing anticipated progress stages and final completion of work.
- .2 Interim reviews of work progress based on work schedule will be conducted as decided by Engineer and schedule updated by Contractor in conjunction with and to approval of Engineer.
- .3 Work may be requested:
 - .1 During normal working hours, 0730 hrs through 1600 hrs on working days Monday to Friday;
 - .2 Outside normal working hours, weekends and holidays. This section will include when work is requested to be completed at that time.
 - .3 The Contractor will not refuse any call for service requested by the Engineer and will respond within 24 hours.

1.10 CONTRACTOR'S ACCESS TO SITE

- .1 Access directly to and from site subject to traffic and security regulations established by DND.

1.11 SECURITY CLEARANCES

- .1 The Contractor shall maintain an up to date roster of employees involved in the Service Contract including managers, supervisors and labourers. This roster shall be made available to the Engineer upon demand.
- .2 The Contractor shall provide proof of the information contained within the roster to the Engineer upon demand. The Engineer reserves the right to have removed from the site those personnel who do not meet security requirements as laid down by the 5 CDSB Gagetown Military Police Section.

1.12 CONTRACTOR PASSES

- .1 All Contractor employees will carry an authorized Contractor Pass when employed on DND property. Such passes will be produced when requested by the Military Police, Commissionaires, Security Guards and persons in authority.
- .2 The Contractor will complete an application form for contractor passes for each individual. The Contractor will accompany the employee to the Military Police Identification Section for the issuance of pass.
- .3 A photocopy of passes is to be provided to the Engineer.
- .4 The Contractor will ensure Contractor passes are recovered from employees who cease to be employed on DND property. Such passes shall be returned to the Military Identification Section by the Contractor.

1.13 CONTRACTOR'S USE OF SITE

- .1 Use of site: limited to affected areas for work and storage as requested by the Engineer.
- .2 Do not unreasonably encumber site with materials and equipment.

- .3 Move stored products or equipment which interferes with operations of Engineer or building occupants.
- .4 Obtain and pay for use of additional storage or work areas needed for operations.
- .5 Provide a list of all employees and suppliers, when requested, to the Engineer.

1.14 CODES AND STANDARDS

- .1 Perform work and enforce all regulations in accordance with National Building Code of Canada (NBC), Canada Labour Code Part 2, A Code of Practice for Working with Materials Containing Asbestos in NB prepared by the New Brunswick Occupational Health and Safety Commission (N.B. Reg 92-106), New Brunswick Occupational Safety and Health Regulation Part XVII for Confined Spaces and any other code of provincial or local application provided that in any case of discrepancy, the more stringent requirements shall apply.
- .2 Contractor must submit proof of registration with WorkSafeNB to PWGSC before award.
- .3 Meet or exceed requirements of contract documents, specified standards, codes and referenced documents.
- .4 When work is to be carried out in a confined space a plan of action will be supplied to the Engineer. All confined space work will be identified on a CF 942, call up against a Standing Offer, work is not to begin until this Health and Safety plan is submitted and approved by the Engineer.

1.15 WHMIS

- .1 Comply with regulations regarding Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets acceptable to Human Resources and Skills Development Canada and Health Canada.

1.16 EXISTING SERVICES

- .1 Submit schedule to and obtain approval from Engineer for any shut-down or closure of active service or facility. Adhere to approved schedule and provide notice to affected parties.
- .2 Where unknown services are encountered, immediately advise Engineer and confirm findings in writing.

1.17 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING

- .1 Execute work with least possible interference or disturbance to occupants, public and normal use of premises. Arrange with Engineer to facilitate execution of work.
- .2 Where security has been reduced by work of Contract, provide temporary means to maintain security.

- .3 Provide temporary dust screens, barriers, warning signs in locations where renovation and alteration work is adjacent to areas used by public or government staff.

1.18 ADDITIONAL DRAWINGS

- .1 Engineer may furnish additional drawings to assist proper execution of work. These drawings will be issued for clarification only. Such drawings shall have same meaning and intent as if they were included with plans referred to in Contract documents.

1.19 CLASS 3 OPERATION

- .1 All operations on material containing friable amosite or crocidolite.
- .2 Minor operation is defined as:
 - .1 1m² of friable asbestos insulation or less; or
 - .2 6 linear m of pipe insulation or less.
- .3 All operations not included in .2 above will be considered major.

1.20 REFERENCES

- .1 CAN/CSA Z321 (R2006) Signs and Symbols for the workplace.
- .2 CAN/CSA S269.2 M87 (R2003) Access Scaffolding for Construction Purposes.

1.21 ACCESS

- .1 If authorized to use existing roads for access to project site, maintain such roads for duration of contract and make good damage resulting from contractors use of roads.

1.22 SANITARY FACILITIES

- .1 Provide sanitary facilities for work force in accordance with governing regulations and ordinances:
 - .1 Existing facilities may be used with Engineer's approval; and
 - .2 Post notices and take such precautions as required by local health authorities. Keep area and premises in sanitary condition.

1.23 ENCLOSURE OF STRUCTURE

- .1 Provide temporary weathertight enclosures and protection for exterior openings required for access to work area.
- .2 Erect enclosures to allow access for installation of materials and working inside enclosure to include the use of Negative Air Unit of sufficient capacity to meet Government standards.
- .3 Design enclosures to withstand wind pressure and snow loading.

1.24 POWER AND WATER SUPPLY

- .1 DND can provide, free of charge, temporary electric power and water for construction purposes.

- .2 Engineer will determine delivery points and quantitative limits. Engineer's written permission is required before any connection is made. Connect to existing power supply in accordance with Canadian Electrical Code.
- .3 Provide, at no cost to DND, all equipment and temporary lines to bring these services to project site.
- .4 Supply of temporary services by DND is subject to DND requirements and may be discontinued by The Engineer at any time without notice. The Engineer will not accept any liability for damage or delay caused by such withdrawal of temporary services.

1.25 SITE SIGNS AND NOTICES

- .1 Signs and notices for safety and instruction shall be in both official languages. Graphic symbols shall conform to CAN/CSA Z321 (R2006) Signs and Symbols for the Workplace.
- .2 Maintain approved signs and notices in good condition for duration of project and dispose of off site on completion of project or earlier if directed by Engineer.

1.26 SCAFFOLDING

- .1 Construct and maintain scaffolding in rigid, secure and safe manner, and in accordance with CAN/CSA-S269.2 M87 (R2003) Access Scaffolding for Construction Purposes.
- .2 Erect scaffolding independent of walls. Remove promptly when no longer required.

1.27 REMOVAL OF TEMPORARY FACILITIES

- .1 Remove temporary facilities from site when directed by the Engineer.

END OF SECTION

1 GENERAL

1.01 REPORTING FIRES

- .1 Know location of nearest fire alarm box and telephone, including emergency phone number.
- .2 Report immediately all fire incidents to Fire Department as follows:
 - .1 telephone 911.
- .3 When reporting fire by telephone, give location of fire, name or number of building and be prepared to verify the location.

1.02 INTERIOR AND EXTERIOR FIRE PROTECTION AND ALARM SYSTEMS

- .1 Fire protection and alarm system will not be:
 - .1 obstructed;
 - .2 shut-off; and
 - .3 left inactive at end of working day or shift without authorization from Fire Chief.
- .2 Fire hydrants, standpipes and hose systems will not be used for other than fire-fighting purposes unless authorized by Fire Chief.

1.03 FIRE EXTINGUISHERS

- .1 Supply fire extinguishers, as scaled by Fire Chief, necessary to protect work in progress and contractor's physical plant on site.

1.04 BLOCKAGE OF ROADWAYS

- .1 Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by Fire Chief, erecting of barricades and digging of trenches.

1.05 SMOKING PRECAUTIONS

- .1 Observe smoking regulations at all times.

1.06 RUBBISH AND WASTE MATERIALS

- .1 Rubbish and waste materials are to be kept to minimum.
- .2 Burning of rubbish is prohibited.
- .3 Removal:
 - .1 Remove all rubbish from work site at end of work day or shift or as directed.
- .4 Storage:
 - .1 Store oily waste in approved receptacles to ensure maximum cleanliness and safety.
 - .2 Deposit greasy or oily rags and materials subject to spontaneous

combustion in approved receptacles and remove.

1.07 FLAMMABLE AND COMBUSTIBLE LIQUIDS

- .1 Handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.
- .2 Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing Underwriters' Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes requires permission of Fire Chief.
- .3 Transfer of flammable and combustible liquids is prohibited within buildings or jetties.
- .4 Transfer of flammable and combustible liquids will not be carried out in vicinity of open flames or any type of heat-producing devices.
- .5 Flammable liquids having a flash point below 38° C such as naphtha or gasoline will not be used as solvents or cleaning agents.
- .6 Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and Fire Department is to be notified when disposal is required.

1.08 HAZARDOUS SUBSTANCES

- .1 Work entailing use of toxic or hazardous materials, chemicals and/or explosives, or otherwise creating hazard to life, safety or health, will be in accordance with National Fire Code of Canada.
- .2 Obtain from Fire Chief a "Hot Work" permit for work involving welding, burning or use of blow torches and salamanders, in buildings or facilities.
- .3 When Work is carried out in dangerous or hazardous areas involving use of heat, provide fire watchers equipped with sufficient fire extinguishers. Determination of dangerous or hazardous areas along with level of protection necessary for Fire Watch is at discretion of the Fire Chief. Contractors are responsible for providing fire watch service for work on a scale established and in conjunction with Fire Chief at pre-work conference.
- .4 Where flammable liquids, such as lacquers or urethanes are to be used, proper ventilation will be assured and all sources of ignition are to be eliminated. Fire Chief is to be informed prior to and at cessation of such work.

1.09 QUESTIONS AND/OR CLARIFICATION

- .1 Direct any questions or clarification on Fire Safety in addition to above requirements to Fire Chief through the Engineer.

1.10 FIRE INSPECTION

- .1 Site inspections by Fire Chief will be coordinated through Engineer.

- .2 Allow Fire Chief unrestricted access to work site.
- .3 Co-operate with Fire Chief during routine fire safety inspection of work site.
- .4 Immediately remedy all unsafe fire situations observed by Fire Chief.

END OF SECTION

1 GENERAL

1.01 GENERAL

- .1 Contractor will take all reasonable steps to ensure that they and their employees have complied with all pertinent legislation and have protected the environment.

1.02 FIRES

- .1 Fires and burning of rubbish on site not permitted.

1.03 DISPOSAL OF WASTES

- .1 Do not bury rubbish and waste materials on site unless approved by Engineer.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.

1.04 SPILL PROTECTION

- .1 The Contractor must have adequate clean up materials for any potential hazardous materials used in the completion of the work (ie. Foams, fuels, oils, lubricants, etc).

END OF SECTION

1 GENERAL

- .1 Use new material and equipment unless otherwise specified.
- .2 Within 3 days of written request by Engineer, submit following information for any new materials and products proposed for supply:
 - .1 Name and address of manufacturer;
 - .2 Trade name, model and catalogue number;
 - .3 Performance, descriptive and test data;
 - .4 Manufacturer's installation or application instructions;
 - .5 Provide material and equipment of specified design and quality, conforming to published ratings for which replacement parts are readily available; and
 - .6 Use products of one manufacturer for equipment or material of same type or classification unless otherwise specified.
 - .7 All new materials must be approved by the Engineer before usage.

2 MANUFACTURER'S INSTRUCTIONS

- .1 Unless otherwise specified, comply with manufacturer's latest printed instructions for materials and installation methods.
- .2 Notify the Engineer in writing of any conflict between these specifications and manufacturer's instructions. Engineer will designate which document is to be followed.

3 DELIVERY AND STORAGE

- .1 Deliver, store and maintain packaged material and equipment with manufacturer's seals and labels intact.
- .2 Prevent damage, adulteration and soiling of material and equipment during delivery, handling and storage. Immediately remove rejected material and equipment from site.
- .3 Store material and equipment in accordance with suppliers instructions.

4 CONFORMANCE

- .1 When material or equipment is specified by standard or performance specifications, upon request of Engineer, obtain from manufacturer an independent testing laboratory report, stating that material or equipment meets or exceeds specified requirements.

END OF SECTION

1 GENERAL

- .1 Conduct cleaning and disposal operations to comply with local ordinances and anti pollution laws.
- .2 Store volatile wastes in covered metal containers and remove from premises daily.
- .3 Prevent accumulation of wastes which create hazardous conditions.

2 MATERIALS

- .1 Use only cleaning materials recommended by manufacturer for surface to be cleaned, and as recommended by cleaning material manufacturer. Use only Environmentally Friendly if available.

3 CLEANING DURING CONSTRUCTION

- .1 Maintain the work including roof and building systems, at least on a daily basis free from accumulations of waste material and debris.

4 FINAL CLEANING

- .1 In preparation for acceptance of the project on an interim or final certificate of completion perform final cleaning.
- .2 Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials, from interior and exterior finished surfaces including glass and other polished surfaces.
- .3 Clean lighting reflectors, lenses, and other lighting surfaces.
- .4 Broom clean paved surfaces; rake clean other surfaces of grounds.
- .5 Remove debris and surplus materials from crawl areas and other accessible concealed spaces.

END OF SECTION

1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- .1 Asbestos Abatement: Section 13576.

1.02 DESCRIPTION OF WORK

- .1 Work in this section covers:
 - .1 The wet removal of visible fallen asbestos insulation from soil crawl-space floors as requested; and
 - .2 The application of cement dusting to crawlspace floors in removal areas.

1.03 WORK PROTECTION

- .1 Provide protective measures as per high risk methods defined by Safe Handling of Asbestos, a Manual of Standard Practice, New Brunswick Occupational Health and Safety Commission.

1.04 AIR MONITORING

- .1 Air monitoring will be carried out by an independent agency to be paid by the Contractor.

2 PRODUCTS

2.01 MATERIAL AND EQUIPMENT

- .1 Applicable materials and equipment as specified in Section 13576.

3 EXECUTION

3.01 PREPARATION

- .1 Install enclosure of work area, decontamination facilities and negative air pressure applicable to Type 2 or 3 removals.
- .2 Post warning signs.
- .3 Moisten crawlspace floors and maintain in moist condition during clean-up process.
- .4 Cut open structure over minimal access areas as required and as authorized by Engineer. Avoid cutting structural members.

3.02 REMOVAL

- .1 Thoroughly saturate and rake or pick up insulation and place directly into waste bags.

- .2 When bag is full to manufacturer's recommendations, seal, wash down and place into second waste bag and remove from work area. Deposit waste bags in waste receptors.
- .3 After asbestos has been removed from crawlspace floors, moisten floor.
- .4 At completion of removal, clean all waste receptacles, reusable tools and equipment used to perform work.

3.03 DISPOSAL

- .1 Dispose of asbestos as per Section 00 21 13 Sub Section 1.7.

END OF SECTION

1 GENERAL

1.01 OUTLINE OF WORK

- .1 This section covers the wet removal of existing asbestos pipe insulation using glove bag method.
- .2 Cleaning, washing and sealing with CAN/CGSB 1.100-99 (see 2.1.13) the piping and fittings, after asbestos has been removed.
- .3 Asbestos removal must be done by certified asbestos removal contractors.

1.02 REGULATORY AGENCIES

- .1 Comply with Federal, Provincial and local requirements pertaining to asbestos, provided that in any conflict among those requirements or with these specifications the more stringent requirements shall apply.

1.03 WORKER PROTECTION

- .1 When asbestos removal is proceeding, the workers will be required to wash exposed skin before leaving the work site.
- .2 Workers involved with asbestos removal must wear a respirator while removing asbestos insulation.

1.04 EXISTING CONDITIONS

- .1 Results of tests of asbestos-containing materials taken from pipe insulation within the scope of these projects are available for inspection at Engineer's Office. These are for general information only and are not necessarily representative of all asbestos-containing materials contained within the scope of these projects.

2 PRODUCTS

2.01 MATERIAL AND EQUIPMENT

- .1 PVC bag:prefabricated, purpose made, 0.25 mm minimum thickness, polyvinyl-chloride bag with integral 0.25 mm thick polyvinyl- chloride gloves. Bag equipped with reversible double-pull double throw zipper on top to facilitate installation on pipe and progressive movement along pipe and with straps for sealing ends of bag around pipe. Once filled bag cannot be reused and shall be disposed of as contaminated waste.
- .2 Protective clothing, coveralls and hoods: disposable type. Required if glove bag becomes damaged or punctured.
- .3 Respirators: non-powered half face respirator acceptable to Human Resources and Skills Development Canada with High Efficiency Particulate Aerosol (HEPA) cartridge filter. No worker shall possess facial hair which affects seal between respirator and face. Single use dust respirators will not be

permitted.

- .4 Signs in both official languages: Helvetica Medium type letters, upper case: "CAUTION, ASBESTOS HAZARD AREA" (25 mm), "NO UNAUTHORIZED ENTRY" (19 mm). "WEAR ASSIGNED PROTECTIVE EQUIPMENT" (19 mm), "BREATHING ASBESTOS DUST MAY CAUSE SERIOUS BODILY HARM" (7 mm).
- .5 Polyethylene: 0.15 mm thick minimum, in sheet size to minimize joints.
- .6 Sprayers: garden reservoir type, low velocity, capable of producing mist or fine spray.
- .7 Wetting agent: 50% polyoxyethylene 50% polyoxyethylene ether or other non-ionic surfactant proven to be effective in aiding wetting of asbestos.
- .8 Waste receptors: Metal or fibre drums with tight lids, or 0.15 mm (6 mil) minimum thickness polyethylene bag labelled in both official languages in Helvetica Medium type letters, upper case: "CAUTION, CONTAINS ASBESTOS FIBRES" (25 mm), "DO NOT MISHANDLE" (19 mm), "BREATHING ASBESTOS DUST MAY CAUSE SERIOUS BODILY HARM" (7 mm). Waste receptors to be acceptable to waste disposal site and Department of the Environment.
- .9 Tape: fibreglass type duct tape, self- adhering for wet and dry conditions.
- .10 HEPA vacuum: High Efficiency Particulate Aerosol filtered vacuum equipment with a filter system capable of collecting and retaining mono disperse aerosol at 99.97% efficiency for particles 0.3 microns or larger.
- .11 Securing straps: For glove bag reusable nylon straps at least 25 mm wide with metal tightening buckle for sealing ends of bags around pipe and/or insulation.
- .12 Knife: knife with fully retractable blade for use inside glove bag.
- .13 Slow drying sealer: Product must have flame spread and smoke development ratings both less than 50. Product shall leave no stain when dry. Acceptable products: Borden Polycy 804 (white) or Double AD TC-55 (clear).

3 EXECUTION

3.01 PREPARATION

- .1 Conduct preparation and removal of asbestos at scheduled times.
- .2 Cover with polyethylene, all surfaces below, and within a 4 m radius of work area. Turn up at walls and tape all joints.
- .3 Shut down air circulation system within work area.
- .4 Instruct workers on necessary safety procedures and protective measures.
- .5 Install signs around Asbestos Removal Area.

3.02 REMOVAL

- .1 Isolate asbestos work area with tape barriers, saw-horses, or other barriers

posted with notices marking area as Asbestos Removal Area.

- .2 Spray any areas of damaged jacketing with mist of amended water. Tape over damage to provide temporary repair.
- .3 Clean surface of pipe or minor amounts of fallen or damaged insulation by HEPA vacuuming or by damp wiping.
- .4 Place any tools necessary to remove insulation in tool pouch. Zip bag onto pipe with cloth securing straps. For valve bags seal valve cover with wire tie or equivalent.
- .5 Place hands into gloves and use necessary tools to remove insulation. Arrange insulation in bag to obtain full capacity of bag. Roll jacketing carefully to minimize the possibility of ripping or puncturing bags.
- .6 Insert nozzle of spray pump into bag through valve and wash down pipe and interior of bag thoroughly. Use one hand to aid washing process. Wet surface of insulation in lower section of bag and exposed ends of asbestos insulation remaining on pipe by spraying with water.
- .7 If bag is to be removed from pipe for use on new section of pipe, seal interior plastic closure before removing from pipe. Re-install in new location before opening interior closure.
- .8 If bag is to be moved along pipe, move bag, reseal to pipe using double-pull zipper to pass hangers. Repeat stripping operation.
- .9 If glove bag is ripped, cut or opened in any way, cease work and repair with tape before continuing work. If the rip, cut or opening is not easily repaired all workers in area shall put on protective clothing. All spilled material must be cleaned up and removed with a HEPA vacuum.
- .10 To remove bag after completion of stripping, wash top section and tools thoroughly. Place all tools in one hand (glove), pull hand out inverted, twist to create a separate pouch, double tape to seal. Cut between tape and place pouch with tools in next glove bag or into a water bucket, open pouch underwater and clean and then allow to dry.
- .11 Pull 0.15 mm (6 mil) polyethylene bag over glove bag before removing from pipe. Remove securing straps. Unfasten zipper. Seal top of glove bag while removing from pipe.
- .12 After removal of bag ensure pipe is clean of all residue. If necessary, after removal of each section of asbestos, vacuum all surfaces of pipe, using HEPA filtered vacuum equipment or wipe with wet cloth. Ensure that surfaces are kept free of wet sludge which after drying could release asbestos dust into atmosphere.
- .13 After asbestos has been removed from pipe, seal all pipe surfaces with sealer to CAN/CGSB 1.100-99.
- .14 Place cloths, mops, sponges, rags, wire brushes, disposable filters and protective clothing in double waste bags. Seal bags tightly.
- .15 Vacuum all surfaces within work area including waste receptors, reusable equipment used to perform the work, shoes and soles of shoes.

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.16 Thoroughly wash respirators, eye protection, hard hats, hands and face.

END OF SECTION

1 GENERAL

1.01 OUTLINE OF WORK

- .1 This section covers the removal of Class 2 or 3 asbestos materials from buildings located at 5 CDSB Gagetown.
- .2 Material disposal as per Section 00 21 13 Sub Section 1.7.

1.02 WORKER PROTECTION

- .1 Contractor to comply with Provincial asbestos regulations.
- .2 Workers removing or handling Class 2 or 3 asbestos products must wear respirators while removing and/or loading into waste containers.

2 PRODUCTS

2.01 MATERIALS

- .1 Polyethylene: in 0.15 mm minimum thickness unless otherwise specified, in sheet size to minimize joints.
- .2 Waste receptors: sealed container of sufficient strength to hold asbestos products labelled in both official languages in Helvetica Medium type letters, upper case: "CAUTION, CONTAINS ASBESTOS FIBRES" (25 mm), "DO NOT MISHANDLE" (19 mm), "BREATHING ASBESTOS DUST MAY CAUSE SERIOUS BODILY HARM," (7 mm). Waste receptor to be acceptable to waste disposal site and Department of the Environment.
- .3 Respirators: types acceptable to Human Resources and Skills Development Canada suitable for appropriate asbestos exposure. Minimum requirement is non-powered half face with high efficiency Particulate Aresol (HEPA) cartridge filters. See Section 13571 Sub Section 2.1.3

Note: Single use dust respirators will not be permitted.

- .4 HEPA vacuum: High Efficiency Particulate Aerosol filter vacuum with all attachments and fittings. Filter system shall collect 99.97% of aerosol particles 0.3 microns or larger.

3 EXECUTION

3.01 PREPARATION

- .1 Removal of Class 2 or 3 asbestos products shall be carried out by wet removal techniques. Dry removal will not be permitted.
- .2 Saturate products with water in advance of any removal.
- .3 Remove the saturated products in sections. Care is to be taken to minimize

breakage of materials during removal. Before beginning the next section place the removed product in a waste receptor for disposal.

- .4 Each trailer load of asbestos waste is to be covered with polyethylene sheeting or tarpaulin, before transportation to Approved Disposal Site.
- .5 Clean all broken sections, dust, etc. from substrate and from polyethylene drop sheet and surrounding area with HEPA vacuum or wet cleaning. Reuse drop sheets or dispose of as asbestos waste.

END OF SECTION