

**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

<b>Title - Sujet</b> Construct New Yard	
<b>Solicitation No. - N° de l'invitation</b> EZ899-160003/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> 2015-05-29
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-022-7514	
<b>File No. - N° de dossier</b> PWY-5-38001 (022)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-06-04</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Arthur (PWY), Carolyn	<b>Buyer Id - Id de l'acheteur</b> pwy022
<b>Telephone No. - N° de téléphone</b> (604) 775-6667 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CSC - Cell Block J, Kent Institution - Agassiz, BC	

Instructions: See Herein

Instructions: Voir aux présentes

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

Solicitation No. - N° de l'invitation

EZ899-160003/A

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

Amd. No. - N° de la modif.

003

File No. - N° du dossier

PWY-5-38001

Buyer ID - Id de l'acheteur

pw022

CCC No./N° CCC - FMS No/ N° VME

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### **Amendment 003**

Amendment 003 has been raised to inform bidders of changes to the insurance requirements and to incorporate addendum 2.

See the attached Addendum #2 and referenced attachments.

#### **Insurance Requirements:**

Please note Environmental Impairment Liability Type 2 - Contractors Pollution Liability endorsement (f) has been modified. Extension of coverage to removal and disposal of Asbestos and Mould is removed.

A revised Insurance Certificate is attached. Completed certificate is NOT required at bid closing.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**

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

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Specification:

1. Replace Section 01-35-33, Health and Safety Requirements with new Attachment: Section 01-35-33 Health and Safety Requirements
2. Replace Section 02-82-10, Hazardous Materials Abatement & Removal with new Attachment: 02-82-10, Hazardous Materials Abatement & Removal

**END OF ADDENDUM #2**

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## 1. REFERENCES

- .1 Government of Canada.
  - .1 Canada Labour Code - Part II
  - .2 Canada Occupational Health and Safety Regulations.
- .2 National Building Code of Canada (NBC):
  - .1 Part 8, Safety Measures at Construction and Demolition Sites.
- .3 Canadian Standards Association (CSA):
  - .1 CSA Z797-2009, Code of Practice for Access Scaffold.
  - .2 CSA S269.1-1975 (R2003), Falsework for Construction Purposes.
  - .3 CSA-S350-M1980, Code of Practice for Safety in Demolition of Structures.
- .4 National Fire Code of Canada 2010 (as amended):
  - .1 Part 5 Hazardous Processes and Operations (as amended).
  - .2 Division B (as amended).
- .5 American National Standards Institute (ANSI):
  - .1 ANSI A10.3, Operations – Safety Requirements for Powder-Actuated Fastening Systems.
- .6 Province of British Columbia:
  - .1 Workers Compensation Act Part 3 - Occupational Health and Safety.
  - .2 Occupational Health and Safety Regulation.

## 2. RELATED SECTIONS

- .1 Refer to the following current NMS sections as required:
  - .1 Submittals procedures: Section 01 01 50

## 3. WORKERS' COMPENSATION BOARD COVERAGE

- .1 Comply fully with the Workers' Compensation Act, regulations and orders made pursuant thereto, and any amendments up to the completion of the work.
- .2 Maintain Workers' Compensation Board coverage during the term of the Contract, until and including the date that the Certificate of Final Completion is issued.

## 4. COMPLIANCE WITH REGULATIONS

- .1 PWGSC may terminate the Contract without liability to PWGSC where the Contractor, in the opinion of PWGSC, refuses to comply with a requirement of the Workers' Compensation Act or the Occupational Health and Safety Regulations.
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- .2 It is the Contractor's responsibility to ensure that all workers are qualified, competent and certified to perform the work as required by the Workers' Compensation Act or the Occupational Health and Safety Regulations.

## **5. SUBMITTALS**

- .1 Make submittals in accordance with Section 01 01 50.
- .2 Work effected by submittal shall not proceed until review is complete.
- .3 Submit the following:
  - .1 Health and Safety Plan.
  - .2 Copies of reports or directions issued by Federal and Provincial health and safety inspectors.
  - .3 Copies of incident and accident reports.
  - .4 Complete set of Material Safety Data Sheets (MSDS), and all other documentation required by Workplace Hazardous Materials Information System (WHMIS) requirements.
  - .5 Emergency procedures.
- .4 The Departmental Representative will review the Contractor's site-specific project Health and Safety Plan and emergency procedures, and provide comments to the Contractor within 5 days after receipt of the plan. Revise the plan as appropriate and resubmit to Departmental Representative
- .5 Medical surveillance: where prescribed by legislation, regulation or safety program, Submit certification of medical surveillance for site personnel prior to commencement of work, and submit additional certifications for any new site personnel to Departmental Representative.
- .6 Submission of the Health and Safety Plan, and any revised version, to the Departmental Representative is for information and reference purposes only. It shall not:
  - .1 Be construed to imply approval by the Departmental Representative.
  - .2 Be interpreted as a warranty of being complete, accurate and legislatively compliant.
  - .3 Relieve the Contractor of his legal obligations for the provision of health and safety on the project.

## **6. RESPONSIBILITY**

- .1 Assume responsibility as the Prime Contractor for work under this contract.
  - .2 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
  - .3 Comply with and enforce compliance by employees with safety requirements of Contract
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- . documents, applicable Federal, Provincial, Territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

## **7. HEALTH AND SAFETY COORDINATOR**

- .1 The Health and Safety Coordinator must:
  - .1 Be responsible for completing all health and safety training, and ensuring that personnel that do not successfully complete the required training are not permitted to enter the site to perform work.
  - .2 Be responsible for implementing, daily enforcing, and monitoring the site-specific Health and Safety Plan.
  - .3 Be on site during execution of work.

## **8. GENERAL CONDITIONS**

- .1 Provide safety barricades and lights around work site as required to provide a safe working environment for workers and protection for pedestrian and vehicular traffic.
- .2 Ensure that non-authorized persons are not allowed to circulate in designated construction areas of the work site.
  - .1 Provide appropriate means by use of barricades, fences, warning signs, traffic control personnel, and temporary lighting as required.
  - .2 Secure site at night time or provide security guard as deemed necessary to protect site against entry.

## **9. PROJECT/SITE CONDITIONS**

- .1 Work at site will involve contact with:
  - .1 Inmates of the Institution.
  - .2 Federal employees

## **10. REGULATORY REQUIREMENTS**

- .1 Comply with specified codes, acts, bylaws, standards and regulations to ensure safe operations at site.
- .2 In event of conflict between any provision of the above authorities, the most stringent provision will apply. Should a dispute arise in determining the most stringent requirement, the Departmental Representative will advise on the course of action to be followed.

## **11. WORK PERMITS**

- .1 Obtain specialty permits related to project before start of work.
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## **12. FILING OF NOTICE**

- .1 The Contractor is to complete and submit a Notice of Project as required by Provincial authorities.

## **13. HEALTH AND SAFETY PLAN**

- .1 Conduct a site-specific hazard assessment based on review of Contract documents, required work, and project site. Identify any known and potential health risks and safety hazards.
  - .2 Prepare and comply with a site-specific project Health and Safety Plan based on hazard assessment, including, but not limited to, the following:
    - .1 Primary requirements:
      - .1 Contractor's safety policy.
      - .2 Identification of applicable compliance obligations.
      - .3 Definition of responsibilities for project safety/organization chart for project.
      - .4 General safety rules for project.
      - .5 Job-specific safe work, procedures.
      - .6 Inspection policy and procedures.
      - .7 Incident reporting and investigation policy and procedures.
      - .8 Occupational Health and Safety Committee/Representative procedures.
      - .9 Occupational Health and Safety meetings.
      - .10 Occupational Health and Safety communications and record keeping procedures.
    - .2 Summary of health risks and safety hazards resulting from analysis of hazard assessment, with respect to site tasks and operations which must be performed as part of the work.
    - .3 List hazardous materials to be brought on site as required by work.
    - .4 Indicate Engineering and administrative control measures to be implemented at the site for managing identified risks and hazards.
    - .5 Identify personal protective equipment (PPE) to be used by workers.
    - .6 Identify personnel and alternates responsible for site safety and health.
    - .7 Identify personnel training requirements and training plan, including site orientation for new workers.
  - .3 Develop the plan in collaboration with all subcontractors. Ensure that work/activities of subcontractors are included in the hazard assessment and are reflected in the plan.
  - .4 Revise and update Health and Safety Plan as required, and re-submit to the Departmental Representative.
  - .5 Departmental Representative's review: the review of Health and Safety Plan by Public Works and Government Services Canada (PWGSC) shall not relieve the Contractor of responsibility for errors or omissions in final Health and Safety Plan or of responsibility for meeting all requirements of construction and Contract documents.
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#### **14. EMERGENCY PROCEDURES**

- .1 List standard operating procedures and measures to be taken in emergency situations. Include an evacuation plan and emergency contacts (i.e. names/telephone numbers) of:
  - .1 Designated personnel from own company.
  - .2 Regulatory agencies applicable to work and as per legislated regulations.
  - .3 Local emergency resources.
  - .4 Departmental Representative and PWGSC site staff.
- .2 Include the following provisions in the emergency procedures:
  - .1 Notify workers and the first-aid attendant, of the nature and location of the emergency.
  - .2 Evacuate all workers safely.
  - .3 Check and confirm the safe evacuation of all workers.
  - .4 Notify the fire department or other emergency responders.
  - .5 Notify adjacent workplaces or residences which may be affected if the risk extends beyond the workplace.
  - .6 Notify Departmental Representative and PWGSC site staff.
- .3 Provide written rescue/evacuation procedures as required for, but not limited to:
  - .1 Work at high angles.
  - .2 Work in confined spaces or where there is a risk of entrapment.
  - .3 Work with hazardous substances.
  - .4 Underground work.
  - .5 Work on, over, under and adjacent to water.
  - .6 Workplaces where there are persons who require physical assistance to be moved.
- .4 Design and mark emergency exit routes to provide quick and unimpeded exit.
- .5 Revise and update emergency procedures as required, and re-submit to the Departmental Representative.

#### **15. HAZARDOUS PRODUCTS**

- .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials, and regarding labeling and provision of Material Safety Data Sheets (MSDS) acceptable to the Departmental Representative and in accordance with the Canada Labour Code.
  - .2 Where use of hazardous and toxic products cannot be avoided:
    - .1 Advise Departmental Representative beforehand of the product(s) intended for use. Submit applicable MSDS and WHMIS documents as per Section 01 01 50.
    - .2 In conjunction with Departmental Representative, schedule to carry out work during "off hours" when tenants have left the building.
    - .3 Provide adequate means of ventilation.
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**16. REMOVAL OF LEAD CONTAINING PAINTS**

- .1 All paints containing TCLP lead concentrations above 5 ppm are classified as hazardous.
- .2 Carry out demolition activities involving lead-containing paints in accordance with applicable Provincial or Territorial regulations.

**17. ELECTRICAL SAFETY REQUIREMENTS**

- .1 Comply with authorities and ensure that, when installing new facilities or modifying existing facilities, all electrical personnel are completely familiar with existing and new electrical circuits and equipment and their operation.
  - .1 Before undertaking any work, coordinate required energizing and de-energizing of new and existing circuits with Departmental Representative.
  - .2 Maintain electrical safety procedures and take necessary precautions to ensure safety of all personnel working under this Contract, as well as safety of other personnel site.

**18. ELECTRICAL LOCKOUT**

- .1 Develop, implement and enforce use of established procedures to provide electrical lockout and to ensure the health and safety of workers for every event where work must be done on any electrical circuit or facility.
- .2 Prepare the lockout procedures in writing, listing step-by-step processes to be followed by workers, including how to prepare and issue the request/authorization form. Have procedures available for review upon request by the Departmental Representative.
- .3 Keep the documents and lockout tags at the site and list in a log book for the full duration of the Contract. Upon request, make such data available for viewing by Departmental Representative or by any authorized safety representative.

**19. OVERLOADING**

- .1 Ensure no part of work is subjected to a load which will endanger its safety or will cause permanent deformation.

**20. SCAFFOLDING**

- .1 Design, construct and maintain scaffolding in a rigid, secure and safe manner, in accordance with CSA-Z797-2009 and B.C. Occupational Health and Safety Regulations.

**21. POWDER-ACTIVATED DEVICES**

- .1 Use powder-actuated devices in accordance with ANSI A10.3 only after receipt of written permission from the Departmental Representative.
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**22. FIRE SAFETY AND HOT WORK**

- .1 Obtain Departmental Representative's authorization before any welding, cutting or any other hot work operations can be carried out on site.
- .2 Hot work includes cutting/melting with use of torch, flame heating roofing kettles, or other open flame devices and grinding with equipment which produces sparks.

**23. FIRE SAFETY REQUIREMENTS**

- .1 Store oily/paint-soaked rags, waste products, empty containers and materials subject to spontaneous combustion in ULC approved, sealed containers and remove from site on a daily basis.
- .2 Handle, store, use and dispose of flammable and combustible materials in accordance with the National Fire Code of Canada.

**24. FIRE PROTECTION AND ALARM SYSTEM**

- .1 Fire protection and alarm systems shall not be:
  - .1 Obstructed.
  - .2 Shut off.
  - .3 Left inactive at the end of a working day or shift.
- .2 Do not use fire hydrants, standpipes and hose systems for purposes other than firefighting.
- .3 Be responsible/liable for costs incurred from the fire department, the building owner and the tenants, resulting from false alarms.

**25. UNFORESEEN HAZARDS**

- .1 Should any unforeseen or peculiar safety-related factor, hazard or condition become evident during performance of the work, immediately stop work and advise the Departmental Representative verbally and in writing.

**26. POSTED DOCUMENTS**

- .1 Post legible versions of the following documents on site:
    - .1 Health and Safety Plan.
    - .2 Sequence of work.
    - .3 Emergency procedures.
    - .4 Site drawing showing project layout, locations of the first-aid station, evacuation route and marshaling station, and the emergency transportation provisions.
    - .5 Notice of Project.
    - .6 Floor plans or site plans.
    - .7 Notice as to where a copy of the Workers' Compensation Act and Regulations
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- are available on the work site for review by employees and workers.
  - .8 Workplace Hazardous Materials Information System (WHMIS) documents.
  - .9 Material Safety Data Sheets (MSDS).
  - .10 List of names of Joint Health and Safety Committee members, or Health and Safety Representative, as applicable.
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- .2 Post all Material Safety Data Sheets (MSDS) on site, in a common area, visible to all workers and in locations accessible to tenants when work of this Contract includes construction activities adjacent to occupied areas.
  - .3 Postings should be protected from the weather, and visible from the street or the exterior of the principal construction site shelter provided for workers and equipment, or as approved by the Departmental Representative.

**27. MEETINGS**

- .1 **Attend health and safety pre-construction meeting and all subsequent meetings called by the Departmental Representative.**

**28. CORRECTION OF NON-COMPLIANCE**

- .1 Immediately address health and safety non-compliance issues identified by the Departmental Representative.
- .2 Provide Departmental Representative with written report of action taken to correct non-compliance with health and safety issues identified.
- .3 The Departmental Representative may issue a "stop work order" if non-compliance of health and safety regulations is not corrected immediately or within posted time. The General Contractor/subcontractors will be responsible for any costs arising from such a "stop work order".

**END OF SECTION**

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**Part 1            General**

**1.1                SUMMARY**

- .1            Comply with requirements of this Section when performing the removal & disposal work of materials noted on drawings where saw cutting and grinding is required at existing concrete foundation wall; and at lead based coatings (paint) on steel window casings and exterior window paint.

**1.2                SECTION INCLUDES**

- .1            Requirements and procedures for Hazardous Materials Abatement & Removal.

**1.3                RELATED SECTIONS**

- .1            Section 01 35 33 - Health and Safety Requirements.

**1.4                REFERENCES**

- .1            Department of Justice Canada (Jus).
  - .1            Canadian Environmental Protection Act, 1999 (CEPA).
- .2            Transport Canada (TC).
  - .1            Transportation of Dangerous Goods Act, 1992 (TDGA).
- .3            Health Canada / Workplace Hazardous Materials Information System (WHMIS)
  - .1            Material Safety Data Sheets (MSDS).
- .4            WorkSafe BC
  - .1            British Columbia’s Occupational Health and Safety Regulation (BC Reg. 296/97, including amendments to date of work)
  - .2            “*Lead-Containing Paints and Coatings; Preventing Exposure in the Construction Industry*”, 2011
- .5            The current version of the British Columbia Hazardous Waste Regulation (BC Reg. 63/88)
- .6            The Federal Transportation of Dangerous Goods Regulation
- .7            Reports
  - .1            “Limited Hazardous Building Materials Assessment Unit J – Exercise Yard – Kent Institution, 4732 Cemetery Road, Agassiz, British Columbia” prepared by DST Consulting Engineers, dated November 18, 2014.

**1.5                DEFINITIONS**

- .1            HEPA vacuum: High Efficiency Particulate Air filtered vacuum equipment with filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.

- .2 Amended Water: water with non-ionic surfactant wetting agent added to reduce water tension to allow thorough wetting of fibres.
- .3 Asbestos-Containing Materials (ACMs): materials identified under Existing Conditions including fallen materials and settled dust. Ground concrete is equivalent to ACM's.
- .4 Hazardous Materials Work Area: area where work takes place, which will, or may, disturb hazardous materials.
- .5 Authorized Visitors: Engineers, Consultants or designated representatives, and representatives of regulatory agencies.
- .6 Occupied Area: area of the building that is outside Hazardous Materials Work Area.
- .7 Polyethylene: polyethylene sheeting or rip-proof polyethylene sheeting with tape along edges, around penetrating objects, over cuts and tears, and elsewhere as required providing protection and isolation.
- .8 Sprayer: garden reservoir type sprayer or airless spray equipment capable of producing mist or fine spray. Must have appropriate capacity for work.

#### **1.6 REGULATORY REQUIRMENTS**

- .1 Comply with Federal, Provincial, and local requirements pertaining to asbestos, provided that in case of conflict among these requirements or with these specifications the more stringent requirement applies. Comply with regulations in effect at time work is performed.

#### **1.7 HAZARDOUS MATERIAL ASSESSMENT**

- .1 Removal & disposal work of materials where saw cutting and grinding is required at existing concrete foundation wall. All cutting and grinding of existing concrete requires an exposure control plan to be developed and implemented.
- .2 Lead based coatings (paint) on steel window casings and exterior window paint.
- .3 Refer to Appendix A – Limited Hazardous Building Materials Assessment.

#### **1.8 SUBMITTALS**

- .1 Submit to Department Representative the exposure control plan for review prior to beginning of site work.
- .2 Submit proof satisfactory to Departmental Representative that suitable arrangements have been made to dispose of Hazardous Materials-containing waste in accordance with requirements of authority having jurisdiction.
- .3 Submit to Departmental Representative necessary permits for transportation and disposal of Hazardous Materials-containing waste and proof that Hazardous Materials-containing waste has been received and properly disposed.

## **1.9 INSTRUCTION AND TRAINING**

- .1 .1 Before commencing work, provide to Engineer satisfactory proof that every worker has had instruction and training in hazards of Hazardous Materials exposure, in personal hygiene and work practices, and in use, cleaning, and disposal of respirators and protective clothing. Renovation space to be provided with HEPA filter air filtration during work.
- .2 IP+C Dust Control Logistic Plan to be in place throughout construction phase. (Inspection Control Plan for hording). Contractor to be CSA approved for hording. Maintain negative air pressure within the containment area and exhaust to outdoors.
- .3 Instruction and training related to respirators includes, at a minimum:
  - .1 Fitting of equipment.
  - .2 Inspection and maintenance of equipment.
  - .3 Disinfecting of equipment.
  - .4 Limitations of equipment.
- .4 Instruction and training must be provided by a competent, qualified person.

## **1.10 WORKER PROTECTION**

- .1 Protective equipment and clothing to be worn by workers while in the Hazardous Materials Work Area include:
  - .1 Non-powered reusable or replaceable filter-type respirator equipped with HEPA filter cartridges, personally issued to the worker and marked as to efficiency and purpose, suitable for protection against silica and lead and acceptable to the Provincial Authority having jurisdiction.
  - .2 Disposable-type protective clothing that does not readily retain or permit penetration, consisting of full-body covering including head covering with snug-fitting cuffs at wrists, ankles, and neck.
- .2 Eating, drinking, chewing, and smoking are not permitted in Hazardous Materials Work Area.
- .3 Before leaving the Hazardous Materials Work Area, dispose of protective clothing as contaminated waste as specified.
- .4 Ensure workers wash hands and face when leaving Hazardous Materials Work Area. Facilities for washing are located as indicated on drawings.
- .5 Ensure that no person required to enter a Hazardous Materials Work Area has facial hair that affects the seal between the respirator and the face.

## **1.11 QUALITY ASSURANCE**

- .1 Regulatory Requirements: comply with Federal, Provincial, and local requirements pertaining to hazardous materials, provided that in case of conflict among these requirements or with these specifications, more stringent requirement applies. Comply with regulations in effect at time Work is performed.

- .2 Health and Safety:
  - .1 Do construction occupational health and safety in accordance with Section 01 35 33 - Health and Safety Requirements.
- .3 Departmental Representative to retain a qualified consultant to specify, inspect and verify successful removal or disturbance of hazardous material.

#### **1.12 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate waste materials for reuse and recycling in accordance with Waste Management Plan.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper plastic polystyrene corrugated cardboard packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .4 Separate for reuse and recycling and place in designated containers Steel Metal Plastic waste in accordance with Waste Management Plan.
- .5 Place materials defined as hazardous or toxic in designated containers.
- .6 Handle and dispose of hazardous materials in accordance with the CEPA, TDGA, Regional and Municipal regulations.
- .7 Fold up metal banding, flatten and place in designated area for recycling.
- .8 Disposal of Hazardous Materials waste generated by removal activities must comply with Federal, Provincial, and Municipal regulations. Dispose of Hazardous Materials waste in sealed double thickness 6 ml bags or leak proof drums. Label containers with appropriate warning labels.
- .9 Provide manifests describing and listing waste created. Transport containers by approved means to licence landfill for burial.

#### **1.13 EXISTING CONDITIONS**

- .1 During tender evaluate existing site conditions.

#### **1.14 SCHEDULING**

- .1 Not later than ten (10) days before beginning Work on this Project notify following in writing:
  - .1 Regional Office of WorkSafeBC.
- .2 Inform sub-trades of presence of Hazardous Materials-containing materials identified in Existing Conditions.
- .3 Submit to Departmental Representative copy of notifications prior to start of Work.

**1.15 OWNER'S INSTRUCTIONS**

- .1 Before beginning Work, provide Departmental Representative satisfactory proof that every worker has received instruction and training in hazards of Hazardous Materials exposure, personal hygiene and work practices, and use, cleaning, and disposal of respirators and protective clothing.

**1.16 COORDINATION AND SCOPE**

- .1 Saw cut existing concrete foundation wall to suit new exterior door as noted on drawings.
- .2 Removal & disposal of existing steel window units.

**Part 2 Products**

**2.1 MATERIALS**

- .1 Drop Sheets:
  - .1 Polyethylene: 0.15 mm thick.
  - .2 FR polyethylene: 0.15 mm thick woven fibre reinforced fabric bonded both sides with polyethylene.
- .2 Hoarding Wall:
  - .1 Wood stud framing: 2"x4" studs
  - .2 Plywood sheeting: 3/8" plywood (4'x8'); exterior white primer or white polyethylene
  - .3 Polyethylene: 0.15 mm thick; white
- .3 Wetting Agent: 50% polyoxyethylene ester and 50% polyoxyethylene ether mixed with water in a concentration to provide thorough wetting of Hazardous Materials-containing material.
- .4 Waste Containers: contain waste in two separate containers.
  - .1 Inner container: 0.15 mm thick sealable polyethylene waste bag.
  - .2 Outer container: sealable metal or fibre type where there are sharp objects included in waste material; otherwise, outer container may be sealable metal or fibre type or second 0.15 mm thick sealable polyethylene bag.
  - .3 Labelling requirements: affix pre-printed cautionary asbestos warning in both official languages that is visible when ready for removal to disposal site.

**Part 3 Execution**

**3.1 PROCEDURES**

- .1 Do deconstruction in accordance with Section 01 35 33 - Health and Safety Requirements.

- .2 Before beginning Work, isolate Hazardous Materials Work Area using, minimum, pre-printed cautionary Hazardous Materials warning signs in both official languages that are visible at access routes to Hazardous Materials Work Area.
  - .1 Remove visible dust from surfaces in the work area where dust is likely to be disturbed during course of work.
  - .2 Use HEPA vacuum or damp cloths where damp cleaning does not create a hazard and is otherwise appropriate.
  - .3 Do not use compressed air to clean up or remove dust from any surface.
- .3 Prevent spread of dust from Hazardous Materials Work Area using measures appropriate to work to be done.
  - .1 Use FR polyethylene drop sheets over flooring in Hazardous Materials Work Area where dust and contamination cannot otherwise be safely contained.
- .4 Wet materials containing Hazardous Materials to be cut, ground, abraded, scraped, drilled, or otherwise disturbed unless wetting creates hazard or causes damage.
  - .1 Use garden reservoir type low - velocity fine - mist sprayer.
  - .2 Perform Work to reduce dust creation to lowest levels practicable.
  - .3 Work will be subject to visual inspection and air monitoring.
  - .4 Contamination of surrounding areas indicated by visual inspection or air monitoring will require complete enclosure and clean-up of affected areas.
- .5 Clean-Up:
  - .1 Frequently during Work and immediately after completion of Work, clean up dust and Hazardous Materials-containing waste using HEPA vacuum or by damp mopping.
  - .2 Place dust and Hazardous Materials-containing waste in sealed dust-tight waste bags. Treat drop sheets and disposable protective clothing as Hazardous Materials waste; wet and fold these items to contain dust, and then place in plastic bags.
  - .3 Clean exterior of each waste-filled bag using damp cloths or HEPA vacuum and place in second clean waste bag immediately prior to removal from Hazardous Materials Work Area.
  - .4 Seal waste bags and remove from site. Dispose of in accordance with requirements of Provincial and Federal Authority having jurisdiction. Supervise dumping and ensure that dump operator is fully aware of hazardous nature of material to be dumped and those guidelines and regulations for Hazardous Materials disposal are followed.
  - .5 Perform final thorough clean-up of Work areas and adjacent areas affected by Work using HEPA vacuum.

### **3.2 SCOPE – HAZARDOUS MATERIALS ABATEMENT & REMOVAL**

- .1 All saw cutting & grinding of existing Concrete Foundation Wall.

#### **Silica**

Silica may be present in concrete, cement, mortar, ceramic wall and floor tiles, stucco finishes and acoustic tiles, which are present in various locations.

When silica-containing materials are to be removed during demolition activities, ensure dust control measures are employed such that airborne silica dust concentrations do not exceed the exposure limit as stipulated by BC Reg. 296/97 (0.025 mg/m<sup>3</sup>). This would include, but not be limited to, the following:

1. Providing workers with respiratory protection
2. Wetting the surface of the materials to prevent dust emissions
3. Providing workers with facilities to properly wash prior to exiting the work area
4. Providing dust control to mitigate the potential for demolition dust to escape from the work area into public and/or adjacent areas

- .2 Removal & disposal of existing steel window units.

**Lead**

Demolition to be conducted in accordance with the requirements of the current version of the WorkSafe BC publication "*Lead-Containing Paint and Coatings: Preventing Exposure in the Construction Industry*", keeping airborne exposure to lead dust to less than the 8-hour Occupational Exposure Limit (OEL) for lead of 0.05 milligram per cubic metre (mg/m<sup>3</sup>).

Waste transportation to be conducted in accordance the Federal Transportation of Dangerous Goods Regulation.

Waste disposal to be conducted in accordance with the current version of the British Columbia Hazardous Waste Regulation (BC Reg. 63/88). If the Contractor chooses to dispose of identified lead-containing materials or materials with identified lead containing paints via landfill in BC, assume the lead containing paint is leachable.

**END OF SECTION**

# CERTIFICATE OF INSURANCE



Travaux publics et  
Services gouvernementaux  
Canada

Public Works and  
Government Services  
Canada

Description and Location of Work <b>Construct New Yard, Cell block J</b> <b>Kent Institution, Agassiz, BC</b>	Contract No.  Project No. R.070773.001
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Name of Insurer, Broker or Agent	Address (No., Street)	City	Province	Postal Code
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Name of Insured (Contractor)	Address (No., Street)	City	Province	Postal Code
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Additional Insured  
**Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services**

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
<b>Commercial General Liability</b> <b>Umbrella/Excess Liability</b>				\$	\$	\$
<b>Builder's Risk / Installation Floater</b>				\$		
<b>Environmental Impairment Liability Insurance</b>				\$		Aggregate \$
				<input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence		

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

Signature

Date D / M / Y

**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 insurance policies must be endorsed to provide Canada with not less than thirty (30) days notice in writing in advance of a cancellation of insurance or any reduction in 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>).

**Environmental Impairment Liability Insurance G2040C 2014-06-26**

1. The Contractor must obtain Type 2: "Contractors Pollution 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 \$1,000,000 per accident or occurrence and in the annual aggregate.
2. 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.
3. The Type 2 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 as additional insured should read as follows: Canada, represented by Public Works and Government Services Canada.
  - b. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
  - c. Separation of Insureds: 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.
  - d. 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.
  - e. Incidental Transit Extension: The policy must extend to losses arising from any waste, products or materials transported, shipped, or delivered via any transportation mode to a location beyond the boundaries of a site at which the Contractor or any entity for which the Contractor is legally liable is performing or has performed the operations described in the contract.
  - f. Insurance requirements will include Lead Abatement: Extending coverage to activities related to the removal and disposal of Lead and Lead containing materials.