

## **Part 1            Summary of Work**

### **1.1                WORK LOCATIONS**

- .1      Work of this Contract will be conducted at the following locations:
  - .1      Palace Grand Theater - Third and King St., Dawson City, Yukon
  - .2      OPTIONAL SITE 1 - Commanding Officer's Quarters: 508 Fifth Avenue, Dawson, Yukon
  - .3      OPTIONAL SITE 2 - Madame Tremblay's Store: Third Avenue Southeast Corner King Street, Dawson City, Yukon
  - .4      OPTIONAL SITE 3 - McCauley House: 907 Seventh Avenue

### **1.2                WORK COVERED BY CONTRACT DOCUMENTS**

- .1      Work of this Contract consists of execution of abatement of asbestos-containing vermiculite insulation and other selected asbestos-containing materials from the above-noted sites, further identified as the Work, and summarized as follows:
  - .1      Palace Grand Theatre – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the floor cavity/crawlspace and asbestos-containing mechanical pipe wrap (limited locations). In general, work will involve the following:
    - .1      Work only after operational hours (5 pm through 11 pm (for noise); can work from 11 pm through 6:30 am if no ambient noise).
    - .2      Work within the crawlspace area (sequence to be determined by Contractor, through appropriate risk assessment and planning):
      - .1      Construction of an access point from the exterior of the building into the crawlspace, where appropriate and lock-able personnel entry and decontamination facilities will be installed.
      - .2      Removal and disposal of non-asbestos fiberglass insulation from HVAC ducting.
        - .1      Mechanical drawings are included in **Appendix B** of this specification, for reference.
        - .2      Contractor to assume all HVAC ducting within the crawlspace is insulated with foil-wrapped fibreglass insulation.
      - .3      Removal and disposal of asbestos-contaminated, exposed portions of fibreglass batt insulation from perimeter walls.
        - .1      Fibreglass insulation is generally exposed from the crawlspace floor through to the underside of the main floor, on perimeter walls throughout, and is contaminated by asbestos-containing vermiculite insulation.
      - .4      Removal of asbestos-containing vermiculite insulation from the “ceiling” space of the crawlspace. The following are to be considered for this work:
        - .1      Crawlspace area is approximately 446 square metres. Vermiculite depth within the ceiling space is

- approximately 128 mm. Estimated volume of vermiculite for removal is 50 m<sup>3</sup>.
- .2 The crawlspace is accessible through a floor hatch located beneath the stage. This access is to be used for emergency entry/egress only. Main access point is to be created from the exterior.
  - .3 Plywood is currently attached to the underside of the main floor joists, comprising the ceiling of the crawlspace. The plywood is to be removed for disposal as asbestos-contaminated waste (or cleaned for alternate disposal/recycling, if Contractor deems cleaning/recycling/alternate disposal to be feasible).
  - .4 Asbestos-containing vermiculite is present on top of the plywood.
  - .5 Building utilities are currently attached to or hung from the plywood including, but not limited to, HVAC ducting; sprinklers and associated pipes for fire suppression; electrical wires and conduit. These systems are to remain operational throughout the abatement project, are to be temporarily detached sufficiently to allow for plywood removal/vermiculite abatement, and are to be re-affixed to floor joists upon completion of removal of plywood and vermiculite.
    - .1 Mechanical drawings are included in **Appendix B** of this specification, for reference.
    - .2 Selected photographs of utilities currently attached to/hanging from plywood are included in **Appendix A** of this specification
- .3 Work within the southwest corner of the Mechanical Room and Rooms 116 (women's washroom), 117 (janitor's room) and 118 (men's washroom):
- .1 Removal and disposal of asbestos-containing pipe wrap on two domestic water lines (approximately 50 lineal feet)
- .2 OPTIONAL SITE 1: Commanding Officer's Quarters – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space. The following are to be considered for this work:
- .1 Work may be performed at any time, to be discussed in advance with Departmental Representative.
  - .2 Interior access is available through an approximately 50cm by 50cm hatch in the second floor hallway.
  - .3 Attic area is approximately 91 square metres. Vermiculite depth within the attic is approximately 100 mm. Estimated volume of vermiculite for removal is 9 m<sup>3</sup>.
  - .4 Fibreglass batt insulation is currently laid on top of the vermiculite. This material (approximately 27 m<sup>3</sup>) will require removal/disposal as asbestos waste.

- .5 Work will include supply and installation of new insulation throughout the attic to applicable standards (as indicated in this tender package) subsequent to completion of abatement.
- .3 **OPTIONAL SITE 2: Madame Tremblay's Store – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space. The following are to be considered for this work:**
  - .1 Work only during daytime hours (8 am through 11 pm).
  - .2 Interior access is available through an approximately 50cm by 50cm hatch in the second floor hallway or by access hatch on exterior of the building (approximately 35 cm x 65 cm, located approximately 8 metres from the ground).
  - .3 Attic area is approximately 134 square metres. Vermiculite depth within the attic is approximately 177 mm. Estimated volume of vermiculite for removal is 24 m<sup>3</sup>.
  - .4 Vermiculite insulation is on-top of fibreglass batt insulation and also mixed in with loose-fill insulation. All require removal removal/disposal as asbestos waste.
    - .1 Estimated volume of fibreglass batt insulation is 27 m<sup>3</sup>.
    - .2 Estimated volume of loose-fill insulation is 17 m<sup>3</sup>.
  - .5 Work will include supply and installation of new insulation throughout the attic to applicable standards (as indicated in this tender package) subsequent to completion of abatement.
- .4 **OPTIONAL SITE 3: McCauley House – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space. The following are to be considered for this work:**
  - .1 Work only during daytime hours (8 am through 11 pm).
  - .2 Interior access is available through a 35 cm by 35 cm hatch in the second floor hallway.
  - .3 Attic area is approximately 74 square metres. Vermiculite depth within the attic is approximately 191 mm. Estimated volume of vermiculite for removal is 14 m<sup>3</sup>.
  - .4 Vermiculite insulation is mixed with fibreglass batt insulation and loose-fill insulation. All require removal removal/disposal as asbestos waste.
    - .1 Estimated volume of fibreglass batt insulation is 15 m<sup>3</sup>.
    - .2 Estimated volume of loose-fill insulation is 2 m<sup>3</sup>.
  - .5 Work will include supply and installation of new insulation throughout the attic to applicable standards (as indicated in this tender package) subsequent to completion of abatement.

### **1.3 OCCUPANCY**

- .1 The buildings will remain occupied and operational during the Work.
- .2 Co-operate with Departmental Representative in scheduling operations to minimize conflict and to facilitate Parks Canada usage of premises, where applicable.

### **1.4 CONTRACTOR'S USE OF PREMISES**

- .1 Contractor will have access to site as necessary to complete the Work as follows:

- .1 Palace Grand Theater – July 1 – August 1, 2015.
- .2 Commanding Officer's Quarters – July 1 – August 1, 2015
- .3 Madame Tremblay's Store – July 1 – August 1, 2015
- .4 McCauley House – July 1 – August 1, 2015
- .2 Contractor will be responsible for securing the site if the contractor fails to complete the project in the specified time
- .3 Access to areas inside buildings is controlled by the Departmental Representative.

## **1.5 DOCUMENTS REQUIRED:**

- .1 Maintain at job site, one copy of each document as follows, where applicable:
  - .1 Contract Drawings.
  - .2 Specifications.
  - .3 Addenda.
  - .4 Change Orders.
  - .5 Other Modifications to Contract.
  - .6 Field Test Reports.
  - .7 Copy of Approved Work Schedule.
  - .8 Health and Safety Plan and Other Safety Related Documents.
  - .9 Environmental Protection Plan, relevant environmental permits and other environment related documents, if applicable
  - .10 Other documents as specified.

## **Part 2 Work Restrictions**

- .1 Execute work with least possible interference or disturbance to normal use of premises.
- .2 Where security is reduced by work, provide temporary means to maintain security.
- .3 Accept liability for damage, safety of equipment and overloading of stairs
- .4 Construct barriers in accordance with Temporary Barriers and Enclosures clause.
- .5 Security Requirements: refer to Section 01 14 10 - Security requirements.
- .6 Hours of work:
  - .1 Perform work in accordance with applicable Municipal bylaws and as directed by the Departmental Representative. Portions of the work are to be performed outside of the operational hours for each building as specified by Parks Canada. Work may be performed on weekends and holidays, with a minimum forty-eight (48) hours advance notice and approval of the Departmental Representative. Provide schedule for prior approval of Departmental Representative.

**Part 3 Construction Work Schedule**

- .1 Commence work immediately upon official notification of acceptance of offer (estimated July 1, 2015) and complete the work on or before the following dates:
  - .1 Palace Grand Theater – August 1, 2015.
  - .2 Commanding Officer's Quarters – August 1, 2015
  - .3 Madame Tremblay's Store – August 1, 2015
  - .4 McCauley House – August 1, 2015
- .2 Ensure that it is understood that Award of Contract or time of beginning, rate of progress, Substantial Certificate and Final Certificate as defined times of completion are of essence of this contract.
- .3 Submittals:
  - .1 Refer to Section 01 33 00 Submittal Procedures.
- .4 Project Scheduling Reporting:
  - .1 Update Project Schedule on weekly basis reflecting activity changes and completions, as well as activities in progress.
  - .2 Include as part of Project Schedule, narrative report identifying Work status to date, comparing current progress to baseline, presenting current forecasts, defining problem areas, anticipated delays and impact with possible mitigation.
- .5 Project Meetings:
  - .1 Discuss Project Schedule at weekly site meetings, identify activities that are behind schedule and provide measures to regain slippage. Activities considered behind schedule are those with projected start or completion dates later than current approved dates shown on baseline schedule.
  - .2 Before submitting first progress claim submit breakdown of Contract price in detail as directed by Departmental Representative and aggregating contract price. After approval by Departmental Representative cost breakdown will be used as basis for progress payments.

**Part 4 Health and Safety**

- .1 Specified in Section 01 35 33 - Health and Safety Requirements.
- .2 As part of their Health and Safety Requirements and Submissions the Contractor shall complete a Hazard Assessment of the asbestos abatement work areas to determine whether or not they should be considered confined spaces or restricted spaces. Appropriate considerations (entry procedures, testing procedures, rescue equipment) are to be developed and implemented based on the Contractor's Hazard Assessment.

**Part 5 Environmental Procedures**

- .1 Specified in Section 01 35 43 – Environmental Procedures
- .2 Fires and burning of rubbish on site not permitted.

- .3 Do not dispose of waste or volatile materials such as oil, paint thinner or mineral spirits into waterways, storm or sanitary systems.
- .4 Under no circumstances dispose of rubbish or waste materials on property or Parks Canada waste bins.

## **Part 6 Regulatory Requirements**

### **6.1 REFERENCES AND CODES:**

- .1 Perform Work in accordance with the following:
  - .1 National Building Code of Canada (NBCC2010) including all amendments up to tender closing date and other codes of territorial or local application provided that in case of conflict or discrepancy, more stringent requirements apply.
  - .2 The Yukon Occupational Health and Safety Act
  - .3 The Yukon Occupational Health Regulations
  - .4 Meet or exceed requirements of:
    - .1 Contract documents.
    - .2 Specified standards, codes and referenced documents.

## **Part 7 Quality Control**

### **7.1 INSPECTION:**

- .1 Give timely notice requesting inspection if Work is designated for special tests, inspections or approvals by Departmental Representative instructions, or law of Place of Work.
- .2 If Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have inspections or tests satisfactorily completed and make good such Work.
- .3 Departmental Representative may order any part of Work to be examined if Work is suspected to be not in accordance with Contract Documents. If, upon examination such work is found not in accordance with Contract Documents, correct such Work and pay cost of examination and correction. If such Work is found in accordance with Contract Documents, Departmental Representative shall pay cost of examination and replacement.

### **7.2 REJECTED WORK:**

- .1 Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by Departmental Representative as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract Documents.
- .2 Make good other Contractor's work damaged by such removals or replacements promptly.

**Part 8 Temporary Utilities**

**8.1 TEMPORARY VENTILATION:**

- .1 Ventilating:
  - .1 Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during abatement.
  - .2 Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.
  - .3 Dispose of exhaust materials in manner that will not result in harmful exposure to persons.
  - .4 Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful contaminants.
- .2 Maintain strict supervision of operation of temporary ventilating equipment to:
  - .1 Conform with applicable codes and standards.
  - .2 Enforce safe practices.
  - .3 Prevent abuse of services.
  - .4 Prevent damage to finishes.

**8.2 TEMPORARY POWER AND LIGHT:**

- .1 Existing 110 volt/15 amp electrical power and lighting may be used for abatement and purposes at no extra cost as directed by the Departmental Representative, provided that electrical components used for temporary power are replaced when damaged. Provide own electrical lines from source.

**8.3 TEMPORARY COMMUNICATION FACILITIES:**

- .1 Conform to Section 01 14 10 Security Requirements.

**8.4 FIRE PROTECTION:**

- .1 Provide and maintain temporary fire protection equipment during performance of Work required by governing codes, regulations and bylaws.

**Part 9 Construction Facilities**

**9.1 LIFTING EQUIPMENT**

- .1 Where required, provide, operate and maintain lifting equipment and manpower required for moving of heavy products.

**9.2 SITE STORAGE/LOADING:**

- .1 Confine work and operations of employees to areas specified in Contract Documents. Do not unreasonably encumber premises with products.
- .2 Do not load or permit to load any part of Work with a weight or force that will endanger the Work.

**9.3 CONSTRUCTION PARKING:**

- .1 Parking space is on the sides of roadways, in accordance with applicable municipal regulations and bylaws.

**9.4 CONTRACTOR'S SITE OFFICE:**

- .1 Provide office as required to accommodate Contractor's operations.
- .2 Provide a clearly marked and fully stocked first-aid case in a readily available location in accordance with territorial requirements.

**9.5 EQUIPMENT AND TOOLS STORAGE:**

- .1 Provide and maintain, in a clean and orderly condition, lockable secure lock box for storage of tools and materials.

**9.6 SANITARY FACILITIES:**

- .1 Contractor may use sanitary facilities at each building, provided they are left in a clean and sanitary condition after each use.
  - .1 Contractor's option to provide their own sanitary facilities.

**9.7 CONSTRUCTION SIGNS:**

- .1 If signage is requested or required, format, location and quantity of site signs and notices to be approved by Departmental Representative.
- .2 Signs and notices for safety or instruction to be in English language, or commonly understood graphic symbols.
- .3 Maintain signboards, signs and notices for duration of project. Remove and dispose of signs off site when directed by Departmental Representative.
- .4 Remove signs from site at completion of project or as directed by Departmental Representative.

**Part 10 Temporary Barriers and Enclosures**

**10.1 ENCLOSURE OF WORK AREA:**

- .1 Provide temporary dust barriers around work areas where dust or harmful vapours are being generated. Exhaust dust and vapours to exterior.

**Part 11 Cleaning**

**11.1 PROJECT CLEANLINESS:**

- .1 Maintain Work in tidy condition, free from accumulation of waste products and debris.



- .2 Remove waste materials from site at regularly scheduled times or dispose of as directed by Departmental Representative.
- .3 Provide on-site containers for collection of waste materials and debris.
- .4 Provide and use clearly marked separate bins for recycling. Refer to Section 01 74 21 – Waste Management And Disposal.
- .5 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .6 Provide adequate ventilation during use of volatile or noxious substances.
- .7 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.
- .8 Schedule cleaning operations so that resulting dust, debris and other contaminants will not fall on wet, newly painted surfaces nor contaminate building systems.

## **11.2 FINAL CLEANING:**

- .1 When Work is Substantially Performed, remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
- .2 Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
- .3 Remove waste products from site.

## **Part 12 Closeout Procedures**

### **12.1 INSPECTION AND DECLARATION:**

- .1 Contractor's Inspection: Conduct an inspection of Work with all subcontractors, identify deficiencies and defects, and repair as required to conform to Contract Documents.
- .2 Notify Departmental Representative in writing of satisfactory completion of Contractor's Inspection and that corrections have been made.
- .3 Request Departmental Representative's Inspection.

### **12.2 INSPECTION:**

- .1 Departmental Representative, Consultant and Contractor will perform inspection of Work to identify obvious defects or deficiencies. Contractor shall correct Work accordingly.

### **12.3 COMPLETION:**

- .1 Submit written certificate that the following have been performed:
  - .1 Work has been completed and inspected for compliance with Contract Documents.

- .2 Defects have been corrected and deficiencies have been completed.
- .3 Work is complete and ready for Final Inspection.

**12.4 FINAL INSPECTION:**

- .1 When items noted above are completed, request final inspection of Work by Departmental Representative. If Work is deemed incomplete by Departmental Representative, complete outstanding items and request re-inspection.

**END OF SECTION**

**Part 1 General**

**1.1 RELATED SECTIONS**

- .1 Section 01 56 00 - Temporary Barriers and Enclosures.

**1.2 WORK COVERED BY CONTRACT DOCUMENTS**

- .1 Work of this Contract consists of execution of abatement of asbestos-containing vermiculite insulation and other selected asbestos-containing materials from the above-noted sites, further identified as the Work, and summarized as follows:
  - .1 Palace Grand Theatre – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the floor cavity/crawlspace and asbestos-containing mechanical pipe wrap (limited locations).
  - .2 OPTIONAL SITE 1: Commanding Officer's Quarters – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space, and subsequent re-insulation of the attic space.
  - .3 OPTIONAL SITE 2: Madame Tremblay's Store – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space, and subsequent re-insulation of the attic space.
  - .4 OPTIONAL SITE 3: McCauley House – abatement (removal and disposal) of asbestos-containing vermiculite insulation from the attic space, and subsequent re-insulation of the attic space.

**1.3 CONTRACT METHOD**

- .1 Relations and responsibilities between Contractor and subcontractors are as defined in Conditions of Contract. Assigned Subcontractors must, in addition:
  - .1 Furnish to Contractor, bonds covering faithful performance of subcontracted work and payment of obligations thereunder when Contractor is required to furnish such bonds to Owner.
  - .2 Purchase and maintain liability insurance to protect from claims for not less than limits of liability which Contractor is required to provide to Owner.

**1.4 WORK BY OTHERS**

- .1 Co-operate with other Contractors in carrying out their respective works and carry out instructions from Consultant.
- .2 Co-ordinate work with that of other Contractors. If any part of work under this Contract depends for its proper execution or result upon work of another Contractor, report promptly to Consultant in writing, any defects which may interfere with proper execution of Work.

**1.5 EXISTING SERVICES**

- .1 Owner will occupy premises during entire construction period for execution of normal operations.

- .2 Cooperate with Owner in scheduling operations to minimize conflict and to facilitate Owner usage.
- .3 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .4 Carry out work at times as directed by governing authorities with minimum disturbance to vehicular traffic.
- .5 Provide alternative routes for vehicular traffic, as required.
- .6 Temporary services to maintain critical building and tenant systems are not required, but may be deemed necessary by the contractor, to complete the work.
- .7 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .8 Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.
- .9 Although access to power will be provided by the site, the Contractor should plan to provide power to be self-sufficient, if necessary.
- .10 Although access to potable water will be provided by the site, the Contractor should plan to supply potable water to be self-sufficient, if necessary.
- .11 Site will allow for access to the existing sanitary facilities, provided they are left in clean and sanitary condition after each use.
  - .1 Contractor's option to provide their own sanitary facilities.

## **1.6 DOCUMENTS REQUIRED**

- .1 Maintain at job site, one copy of each document as follows:
  - .1 Contract Drawings.
  - .2 Specifications.
  - .3 Addenda.
  - .4 Reviewed Shop Drawings.
  - .5 List of Outstanding Shop Drawings.
  - .6 Change Orders.
  - .7 Other Modifications to Contract.
  - .8 Field Test Reports.
  - .9 Copy of Approved Work Schedule.
  - .10 Health and Safety Plan and Other Safety Related Documents.
  - .11 Relevant environmental permits and other environment related documents.
  - .12 Other documents as specified.

**Part 2            Products**

**2.1                NOT USED**

.1            Not used.

**Part 3            Execution**

**3.1                NOT USED**

.1            Not used.

**END OF SECTION**

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 56 00 - Temporary Barriers and Enclosures.

**1.2 ACCESS AND EGRESS**

- .1 Design, construct and maintain temporary "access to" and "egress from" work areas, including crawlspace access, stairs, runways, ramps or ladders and scaffolding, independent of finished surfaces and in accordance with relevant municipal, territorial and other regulations.
  - .1 Finished surfaces are expected to require alteration if the Contractor creates an entry-point into the crawlspace of the Palace Grand Theatre from the exterior.

**1.3 USE OF SITE AND FACILITIES**

- .1 Execute work with least possible interference or disturbance to normal use of premises. Make arrangements with Departmental Representative to facilitate work as stated.
- .2 Maintain existing services to building as require to facilitate the Work, and provide for personnel and vehicle access.
- .3 Where security is reduced by work provide temporary means to maintain security.
- .4 Contractor may use sanitary facilities at each building, provided they are left in a clean and sanitary condition after each use.
  - .1 Contractor's option to provide their own sanitary facilities.
- .5 Closures: protect work temporarily until permanent enclosures are completed.

**1.4 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING**

- .1 Execute work with least possible interference or disturbance to site operations, public and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.

**1.5 EXISTING SERVICES**

- .1 Notify Departmental Representative and utility companies of intended interruption of services and obtain required permission.
- .2 Provide for pedestrian and vehicular traffic.
- .3 Construct barriers in accordance with Section 01 56 00 - Temporary Barriers and Enclosures.

**1.6 SPECIAL REQUIREMENTS**

- .1 Carry out noise generating Work in accordance with applicable Municipal bylaws.

- .1 Municipal bylaws restrict noise-generation between 11 pm and 7 am
- .2 Work hours are restricted as follows:
  - .1 Palace Grand Theatre: 5 pm through 11 pm (without noise bylaw restrictions); 11 pm through 6:30 am (noise bylaw restrictions in effect)
  - .2 Commanding Officer's Quarters: work may be performed at any time, to be discussed in advance with Departmental Representative.
  - .3 Madame Tremblay's Store: work only during daytime hours (8 am through 11 pm).
  - .4 McCauley House: work only during daytime hours (8 am through 11 pm).
- .3 Ensure Contractor's personnel employed on site become familiar with and obey regulations including safety, fire, traffic and security regulations.
- .4 Keep within limits of work and avenues of ingress and egress.

## **1.7 SECURITY**

- .1 Where security has been reduced by Work of Contract, provide temporary means to maintain security.

## **1.8 BUILDING SMOKING ENVIRONMENT**

- .1 Comply with smoking restrictions. Smoking is not permitted.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not Used.

## **Part 3 Execution**

### **3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**

**Part 1 Purpose**

- .1 To ensure that the abatement project and the theatre operations may proceed without undue disruption or hindrance at all times.

**Part 2 Definitions**

- .1 "Commercial Vehicle" means any motor vehicle used for the shipment of material, equipment and tools required for the abatement project.
- .2 "Abatement employees" means persons working for the general contractor, the sub-contractors, equipment operators, material suppliers, testing and inspection companies and regulatory agencies.
- .3 "Departmental Representative" means the Public Works and Government Services Canada representative.
- .4 "Abatement limits" means the area, as indicated in the contract documents, that the contractor will be allowed to work". Limits to be confirmed at abatement start-up meeting.

**Part 3 Preliminary Proceedings**

- .1 At abatement start-up meeting:
- .2 Discuss the nature and extent of all activities involved in the Project.
- .3 Establish mutually acceptable security procedures in accordance with each site and each sites' particular requirements.

**Part 4 Contractor Employees**

- .1 Any person employed on the abatement site will be subject to immediate removal from Parks Canada Property if they:
  - .1 appear to be under the influence of alcohol, drugs or narcotics.
  - .2 behave in an unusual or disorderly manner.

**Part 5 Vehicles**

- .1 All unattended vehicles on Parks Canada property must have windows closed; fuel caps locked, doors and trunks locked and keys removed. The keys must be securely in the possession of the owner or an employee of the company that owns the vehicle.
- .2 The Departmental Representative may limit at any time the number and type of vehicles allowed within the theatre.



**Part 6            Parking**

- .1        The parking area(s) to be used by abatement employees will be designated by the Departmental Representative. Parking in other locations will be prohibited and vehicles may be subject to removal.

**Part 7            Work Hours**

- .1        In accordance with applicable municipal bylaws and regulations and as approved by the Departmental Representative.

**Part 8            Tools and Equipment**

- .1        Store all tools and equipment in approved secure locations.
- .2        Lock all tool boxes when not in use. Keys to remain in the possession of the employees of the contractor.

**END OF SECTION**

**Part 1            General**

**1.1               RELATED SECTIONS**

- .1       Not applicable

**1.2               ADMINISTRATIVE**

- .1       Project meetings will be scheduled and administered throughout the progress of the work at the call of the Departmental Representative.
- .2       Meeting minutes will be recorded by the Contractor and distributed by Departmental Representative, if required.
- .3       Representative of Contractor, Subcontractor and/or suppliers attending meetings will be qualified and authorized to act on behalf of party each represents.

**1.3               PRECONSTRUCTION MEETING**

- .1       Departmental Representative will schedule a pre-commencement meeting.
- .2       Departmental Representative, Consultant and Contractor will be in attendance.
- .3       Agenda to include:
  - .1       Appointment of official representatives of participants in the Work.
  - .2       Schedule of Work: in accordance with schedule stipulated in Contract Documents.
  - .3       Schedule of submissions. Submit submittals in accordance with Section 01 33 00 - Submittal Procedures.
  - .4       Delivery schedule of specified equipment.
  - .5       Site security.
  - .6       Proposed changes, change orders, procedures, approvals required, mark-up percentages permitted, time extensions, overtime, administrative requirements.
  - .7       Owner provided products.
  - .8       Monthly progress claims, administrative procedures, photographs, hold backs.
  - .9       Insurances, transcript of policies.

**1.4               PROGRESS MEETINGS**

- .1       Progress meetings will be held. Departmental Representative will schedule the meetings and arrange for a meeting location.
- .2       Contractor involved in Work, Departmental Representative and Consultant (if required) are to be in attendance.
- .3       Notify parties minimum 5 days prior to meetings.
- .4       Departmental Representative will chair the meeting, and distribute meeting minutes. Contractor will record the meeting minutes and provide within 5 business days.

- .5      Agenda to include the following:
  - .1      Review, approval of minutes of previous meeting.
  - .2      Review of Work progress since previous meeting.
  - .3      Field observations, problems, conflicts.
  - .4      Problems which impede construction schedule.
  - .5      Corrective measures and procedures to regain projected schedule.
  - .6      Revision to construction schedule.
  - .7      Progress schedule, during succeeding work period.
  - .8      Review submittal schedules: expedite as required.
  - .9      Maintenance of quality standards.
  - .10     Review proposed changes for effect on construction schedule and on completion date.
  - .11     Other business.

**Part 2            Products**

**2.1              NOT USED**

- .1      Not Used.

**Part 3            Execution**

**3.1              NOT USED**

- .1      Not Used.

**END OF SECTION**

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Not applicable.

**1.2 REFERENCES**

- .1 Information – site photographs (Appendix A)
- .2 “Hazardous Building Materials Assessments – Palace Grand Theatre, Dawson City, YT”, prepared by Stantec Consulting Ltd., dated March 18, 2015.

**1.3 ADMINISTRATIVE**

- .1 Submit to Departmental Representative submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time and no claim for extension by reason of such default will be allowed.
- .2 Do not proceed with Work affected by submittal until review is complete.
- .3 Present shop drawings, product data, samples and mock-ups in SI Metric units.
- .4 Where items or information is not produced in SI Metric units converted values are acceptable.
- .5 Review submittals prior to submission to Departmental Representative. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and co-ordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined and considered rejected.
- .6 Notify Departmental Representative, in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- .7 Verify field measurements and affected adjacent Work.
- .8 Contractor's responsibility for errors and omissions in submission is not relieved by Departmental Representative's review of submittals.
- .9 Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by Departmental Representative review.
- .10 Keep one reviewed copy of each submission on site.

**1.4 SHOP DRAWINGS AND PRODUCT DATA**

- .1 The term "shop drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of a portion of Work.
- .2 Allow 10 days for Departmental Representative's review of each submission.

- .3 Make changes in shop drawings as Departmental Representative may require, consistent with Contract Documents. When resubmitting, notify Departmental Representative in writing of revisions other than those requested.
- .4 After Departmental Representative's review, distribute copies.
- .5 Submit 3 prints and an electronic copy of shop drawings for each requirement requested in specification Sections and as Departmental Representative may reasonably request.
- .6 Submit 3 copies and an electronic copy of product data sheets or brochures for requirements requested in specification Sections and as requested by Departmental Representative where shop drawings will not be prepared due to standardized manufacture of product.
- .7 Shop drawings, if required, are to be stamped by a Professional Engineer (P.Eng.) registered in the province of the Work.
- .8 Delete information not applicable to project.
- .9 Supplement standard information to provide details applicable to project.
- .10 If upon review by Departmental Representative, no errors or omissions are discovered or if only minor corrections are made, copies will be returned and fabrication and installation of Work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed before fabrication and installation of Work may proceed.

#### **1.5 PHOTOGRAPHIC DOCUMENTATION**

- .1 Submit electronic copies of colour digital photography in “.jpg” format, standard resolution as directed by Departmental Representative.
- .2 Project identification: name and number of project and date of exposure indicated.
- .3 Viewpoints and their location as determined by Departmental Representative.
- .4 Frequency of photographic documentation: as directed by Departmental Representative.
- .1 Upon completion of Work, and as directed by Departmental Representative.

#### **1.6 CERTIFICATES AND TRANSCRIPTS**

- .1 Immediately after award of Contract, submit Yukon Workers' Compensation Board status or clearance letter.
- .2 Submit transcription of insurance immediately after award of Contract.

#### **Products**

#### **1.7 NOT USED**

- .1 Not Used.

**Part 2                    Execution**

**2.1                        NOT USED**

.1                        Not Used.

**END OF SECTION**

**Part 1 General**

**1.1 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) as amended:
  - .1 CSA Z797-2009 Code of Practice for Access Scaffold
  - .2 CSA S269.1-1975 (R2003) Falsework for Construction Purposes
  - .3 CSA S350-M1980 (R2003) 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 and Division B as applicable and required.
- .5 Yukon Territory
  - .1 Occupational Health and Safety Act
  - .2 Yukon Occupational Health Regulations.

**1.2 RELATED SECTIONS**

- .1 Section 01 01 50 – General Instructions
- .2 Section 01 33 00 – Submittal Procedures
- .3 Section 01 51 00 – Temporary Utilities
- .4 Section 01 56 00 – Temporary Barriers and Enclosures
- .5 Section 02 82 00.02 – Asbestos Abatement Intermediate Precautions.
- .6 Section 02 82 00.03 – Asbestos Abatement Maximum Precautions.

**1.3 WORKERS' COMPENSATION BOARD COVERAGE**

- .1 Comply fully with the Territorial 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.

#### **1.4 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.
- .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.

#### **1.5 SUBMITTALS**

- .1 Submit to Departmental Representative submittals listed for review (in accordance with Section 01 01 50 General Instructions and 01 33 00 Submittal Procedures).
- .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 Territorial 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.

#### **1.6 RESPONSIBILITY**

- .1 Assume responsibility as the Prime Contractor for work under this contract, and appoint a qualified coordinator for the purpose of ensuring the coordination of health and safety



activities for the location in accordance with sections 118 and 119 of Part 3 of the Workers Compensation Act.

- .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 documents, applicable Federal, Territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.

#### **1.7 HEALTH AND SAFETY COORDINATOR**

- .1 The Health and Safety Coordinator (Registered Occupational Hygienist, Certified Industrial Specified Hygienist, Canadian Registered Safety Professional or other Yukon Workers' Compensation Health and Safety Board recognized Qualified Person) 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.

#### **1.8 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 after working hours in accordance with Section 01 14 10 – Security Requirements.

#### **1.9 PROJECT/SITE CONDITIONS**

- .1 Work at site will involve contact with:
  - .1 Asbestos-containing vermiculite insulation.
  - .2 Asbestos-contaminated fibreglass and other insulation.
  - .3 Asbestos-containing mechanical pipe wrap materials.

#### **1.10 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.

#### **1.11 WORK PERMITS**

- .1 Obtain specialty permits related to project before start of work.

#### **1.12 FILING OF NOTICE**

- .1 Submit a Notice of Project form to Yukon Workers Compensation Health and Safety Board in accordance with OH&S REGULATION 34.(1), at least 24 hours before start of work.
- .2 Provide copies of all notices to the Departmental Representative.

#### **1.13 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, including work in confined or restricted access spaces.
    - .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.
- .8 As part of their Health and Safety Requirements and Submissions the Contractor shall complete a Hazard Assessment of the asbestos abatement work areas to determine whether or not they should be considered confined spaces or restricted spaces. Appropriate considerations (entry procedures, testing procedures, rescue equipment) are to be developed and implemented based on the Contractor's Hazard Assessment.
- .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.

#### **1.14 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.
- .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.
- .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.

#### **1.15 HAZARDOUS PRODUCTS**

- .1 Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage and disposal of hazardous materials, and regarding labelling 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 33 00.
  - .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 in accordance with Section 01 51 00.

#### **1.16 ASBESTOS HAZARD**

- .1 Removal and handling of asbestos will be performed as indicated in Sections 02 82 00.02 and 02 82 00.03.

#### **1.17 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 on site.

#### **1.18 ELECTRICAL LOCKOUT**

- .1 Where required, 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 Where required, 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.

**1.19 OVERLOADING**

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

**1.20 FALSEWORK**

- .1 Design and construct falsework in accordance with CSA S269.1- 1975 (R2003).

**1.21 SCAFFOLDING**

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

**1.22 CONFINED SPACES**

- .1 The Contractor shall complete a Hazard Assessment of the asbestos abatement work areas (crawlspaces and attic spaces) to determine whether or not they should be considered confined spaces or restricted spaces. Appropriate considerations (entry procedures, testing procedures, rescue equipment) are to be developed and implemented based on the Contractor's Hazard Assessment.
- .2 Carry out work in confined spaces in compliance with Territorial and Federal regulations (Canada Occupational Health and Safety Regulation, Part XI).

**1.23 FIRE SAFETY AND HOT WORK**

- .1 Although not expected to be required as part of the Work, 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.

**1.24 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.

**1.25 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.

#### **1.26 UNFORSEEN 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.

#### **1.27 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 marshalling 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 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.
- .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.

#### **1.28 MEETINGS**

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

#### **1.29 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".

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**

**Part 1            General**

**1.1                FIRE DEPARTMENT BRIEFING**

- .1        Departmental Representative will co-ordinate arrangements for contractor for briefing on Fire Safety, general site specific “Do’s and Don’ts” in accordance with applicable municipal standards, before work is commenced.

**1.2                REPORTING FIRES**

- .1        Know location of nearest fire alarm box and telephone, including emergency phone number (911).
- .2        Report immediately fire incidents to the local Fire Department.
- .3        Person calling in the fire alarm box will remain at entrance to direct Fire Department to scene of fire.
- .4        When reporting fire by telephone, give location of fire, address or number of building and be prepared to verify location.

**1.3                INTERIOR AND EXTERIOR FIRE PROTECTION AND ALARM SYSTEMS**

- .1        Fire hydrants, standpipes and hose systems will not be used for other than fire-fighting purposes unless authorized by Departmental Representative.

**1.4                FIRE EXTINGUISHERS**

- .1        Supply fire extinguishers necessary to protect work in progress and contractor's physical plant on site.

**1.5                BLOCKAGE OF ROADWAYS**

- .1        Advise Departmental Representative of work that would impede fire apparatus response. This includes erecting of barricades and digging of trenches.

**1.6                SMOKING PRECAUTIONS**

- .1        Observe smoking regulations.

**1.7                RUBBISH AND WASTE MATERIALS**

- .1        Keep rubbish and waste materials at minimum quantities.
- .2        Burning of rubbish is prohibited.
- .3        Removal:
  - .1        Remove rubbish from work site at end of work day or shift or as directed.
- .4        Storage:



- .1 Store 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 specified.

## **1.8 FLAMMABLE AND COMBUSTIBLE LIQUIDS**

- .1 Handling, storage and use of flammable and combustible liquids governed by current National Fire Code of Canada.
- .2 Keep flammable and combustible liquids such as gasoline, kerosene and naphtha 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 Departmental Representative.
- .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 Do not use flammable liquids having flash point below 38 degrees C such as naphtha or gasoline as solvents or cleaning agents.
- .6 Store flammable and combustible waste liquids, for disposal, in approved containers located in safe ventilated area. Keep quantities minimum and Agassiz Fire Department is to be notified when disposal is required.

## **1.9 HAZARDOUS SUBSTANCES**

- .1 If the Work involves the use of toxic or hazardous materials, chemicals and/or explosives, or otherwise creating hazard to life, safety or health, Work shall be conducted in accordance with National Fire Code of Canada.
- .2 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 Departmental Representative. Contractors are responsible for providing fire watch service for work on scale established and in conjunction with Departmental Representative (or alternate) at pre-work conference.
- .3 Provide ventilation where flammable liquids, such as lacquers or urethanes are used, eliminate sources of ignition.

## **1.10 QUESTIONS AND/OR CLARIFICATION**

- .1 Direct questions or clarification on Fire Safety in addition to above requirements to Departmental Representative.

## **1.11 FIRE INSPECTION**

- .1 Co-ordinate site inspections through Departmental Representative.

- .2 Allow Departmental Representative unrestricted access to work site.
- .3 Co-operate with Departmental Representative during routine fire safety inspection of work site.
- .4 Immediately remedy unsafe fire situations observed by Departmental Representative (or alternate).

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 74 11 – Cleaning.

**1.2 REFERENCES**

- .1 Definitions:
  - .1 Environmental Pollution and Damage: presence of chemical, physical, biological elements or agents which adversely affect human health and welfare; unfavourably alter ecological balances of importance to human life; affect other species of importance to humankind; or degrade environment aesthetically, culturally and/or historically.
  - .2 Environmental Protection: prevention/control of pollution and habitat or environment disruption during construction. Control of environmental pollution and damage requires consideration of land, water, and air; biological and cultural resources; and includes management of visual aesthetics; noise; solid, chemical, gaseous, and liquid waste; radiant energy and radioactive material as well as other pollutants.
- .2 Reference Standards:
  - .1 U.S. Environmental Protection Agency (EPA)/Office of Water
    - .1 EPA 832/R-92-005-[92], Storm Water Management for Construction Activities, Chapter 3.

**1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Prior to commencing construction activities or delivery of materials to site, provide Environmental Protection Plan for review and approval by Departmental Representative.
- .3 Ensure Environmental Protection Plan includes comprehensive overview of known or potential environmental issues to be addressed during construction.
- .4 Address topics at level of detail commensurate with environmental issue and required demolition task[s].
- .5 Include in Environmental Protection Plan:
  - .1 Name[s] of person[s] responsible for ensuring adherence to Environmental Protection Plan.
  - .2 Name[s] and qualifications of person[s] responsible for manifesting hazardous waste to be removed from site.
  - .3 Name[s] and qualifications of person[s] responsible for training site personnel.
  - .4 Descriptions of environmental protection personnel training program.

- .5 Drawings showing locations of proposed material storage areas, structures, sanitary facilities, and stockpiles of excess or spoil materials including methods to control runoff and to contain materials on site, if necessary.
- .6 Traffic Control Plans including measures to reduce erosion of temporary roadbeds by construction traffic, especially during wet weather. Ensure plans include measures to minimize amount of mud transported onto paved public roads by vehicles or runoff.
- .7 Work area plan showing proposed activity in each portion of area and identifying areas of limited use or non-use. Ensure plan includes measures for marking limits of use areas and methods for protection of features to be preserved within authorized work areas.
- .8 Spill Control Plan including procedures, instructions, and reports to be used in event of unforeseen spill of regulated substance.
- .9 Non-Hazardous solid waste disposal plan identifying methods and locations for solid waste disposal including clearing debris.
- .10 Air pollution control plan detailing provisions to assure that dust, debris, materials, and trash, are contained on project site.
- .11 Contaminant Prevention Plan identifying potentially hazardous substances to be used on job site; intended actions to prevent introduction of such materials into air, water, or ground; and detailing provisions for compliance with Federal, Territorial, and Municipal laws and regulations for storage and handling of these materials.
- .12 Waste Water Management Plan identifying methods and procedures for management and/or discharge of waste waters which are directly derived from construction activities, such as concrete curing water, clean-up water, dewatering of ground water, disinfection water, hydrostatic test water, and water used in flushing of lines.
- .13 Historical, archaeological, cultural resources, biological resources and wetlands plan that defines procedures for identifying and protecting historical, archaeological, cultural resources, biological resources and wetlands.
- .14 Pesticide treatment plan to be included and updated, as required.

#### **1.4 FIRES**

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

#### **1.5 POLLUTION CONTROL**

- .1 Maintain temporary erosion and pollution control features installed under this Contract.
- .2 Control emissions from equipment to local authorities' emission requirements.
- .3 Prevent sandblasting and other extraneous materials from contaminating air and waterways beyond application area.
  - .1 Provide temporary enclosures where required.
- .4 Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads.

**1.6 HISTORICAL/ARCHAEOLOGICAL CONTROL**

- .1 Provide historical, archaeological and cultural resources plan that defines procedures to be followed if historical archaeological, cultural resources and biological resources not previously known to be onsite or in area are discovered during Work.
- .2 Plan: include methods to assure protection of known or discovered resources and identify lines of communication between Contractor personnel and Departmental Representative.

**1.7 NOTIFICATION**

- .1 Departmental Representative or Consultant will notify Contractor in writing of observed noncompliance with Federal, Territorial or Municipal environmental laws or regulations, permits, and other elements of Contractor's Environmental Protection plan.
- .2 Contractor: after receipt of such notice, inform Departmental Representative or Consultant of proposed corrective action and take such action for approval by Departmental Representative.
  - .1 Do not take action until after receipt of written approval by Departmental Representative or Consultant.
- .3 Departmental Representative or Consultant will issue stop order of work until satisfactory corrective action has been taken.
- .4 No time extensions granted or equitable adjustments allowed to Contractor for such suspensions.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3            Execution**

**3.1                CLEANING**

- .1        Clean in accordance with Section 01 74 11 - Cleaning.
- .2        Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Waste Management and Disposal.
- .3        Rubbish and waste materials are not to be buried on site
- .4        Ensure public waterways, storm and sanitary sewers remain free of waste and volatile materials disposal.

**END OF SECTION**

**Part 1            General**

**1.1               RELATED SECTIONS**

- .1       Section 02 82 00.02   Asbestos Abatement - Intermediate Precautions
- .2       Section 02 82 00.03   Asbestos Abatement - Maximum Precautions
- .3       Section 02 85 00.02 Mould Remediation - Intermediate Precautions

**1.2               REFERENCES AND CODES**

- .1       Perform Work in accordance with National Building Code of Canada (NBC) including amendments up to tender closing date and other codes of provincial or local application provided that in case of conflict or discrepancy, more stringent requirements apply.
- .2       Meet or exceed requirements of:
  - .1       Contract documents.
  - .2       Specified standards, codes and referenced documents.
- .3       Comply with all approvals and permits that apply to the Work.
- .4       Contractor shall ensure compliance on its part and on the part of all its Subcontractors with the Yukon Occupational Health and Safety Act and the Yukon Occupational Health Regulations thereunder.
- .5       All other Yukon Territory Laws and Regulations shall apply as appropriate and the Contractor shall comply with the requirements thereof as though they had been specifically named in these specifications.
- .6       Codes, Standards and Regulations are specified in other sections of the specifications and the Work shall be done in accordance with those Codes, Standards and Regulations where applicable.

**1.3               HAZARDOUS MATERIAL DISCOVERY**

- .1       Asbestos: Removal of asbestos-containing material (ACM) is one of the prime purposes of this Contract. Notify Consultant if additional, previously un-identified suspected ACM is identified during the Work.
- .2       Lead: Removal of lead and materials coated with lead-containing paints is NOT one of the prime purposes of this Contract. Notify Consultant if additional, previously un-identified suspected lead-containing materials are identified during the Work, and require alteration/disturbance or removal.
- .3       Polychlorinated Biphenyl (PCB): Removal of PCBs is NOT one of the prime purposes of this Contract. Notify Consultant if additional, previously un-identified suspected PCBs are identified during the Work, and require alteration/disturbance or removal.

- .4 Ozone-depleting Substances (ODS): Removal of ODSs is NOT one of the prime purposes of this Contract. Notify Consultant if additional, previously un-identified suspected ODSs are identified during the Work, and require alteration/disturbance or removal.
- .5 Mould: Removal of Mould-impacted materials is NOT one of the prime purposes of this Contract. Notify Consultant if additional, previously un-identified suspected mould-impacted materials are identified during the Work, and require alteration/disturbance or removal.

#### **1.4 BUILDING SMOKING ENVIRONMENT**

- .1 Comply with smoking restrictions and municipal by-laws.

#### **Part 2 Products**

##### **2.1 NOT USED**

- .1 Not Used.

#### **Part 3 Execution**

##### **3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**



**Part 1            General**

**1.1                RELATED SECTIONS**

- .1        Section 01 33 00 - Submittal Procedures.

**1.2                SUBMITTALS**

- .1        Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

**1.3                INSTALLATION AND REMOVAL**

- .1        Provide temporary utilities controls in order to execute work expeditiously.
- .2        Remove from site all such work after use.

**1.4                WATER SUPPLY**

- .1        Contractor will be provided with access to each facility's potable water for use.

**1.5                TEMPORARY HEATING AND VENTILATION**

- .1        Provide temporary heating, if required to facilitate the Work, during construction period, including attendance, maintenance and fuel.
- .2        Construction heaters used inside building must be vented to outside or be non-flameless type. Solid fuel salamanders are not permitted.
- .3        Provide temporary heat and ventilation in enclosed areas as required to:
  - .1        Facilitate progress of Work.
  - .2        Protect Work and products against dampness and cold.
  - .3        Prevent moisture condensation on surfaces.
  - .4        Provide ambient temperatures and humidity levels for storage, installation and curing of materials.
  - .5        Provide adequate ventilation to meet health regulations for safe working environment.
- .4        Ventilating:
  - .1        Prevent accumulations of dust, fumes, mists, vapours or gases in areas occupied during work.
  - .2        Provide local exhaust ventilation to prevent harmful accumulation of hazardous substances into atmosphere of occupied areas.
  - .3        Dispose of exhaust materials in manner that will not result in harmful exposure to persons.
  - .4        Ventilate storage spaces containing hazardous or volatile materials.
  - .5        Ventilate temporary sanitary facilities.

- .6 Continue operation of ventilation and exhaust system for time after cessation of work process to assure removal of harmful contaminants.

## **1.6 TEMPORARY POWER AND LIGHT**

- .1 Contractor will be provided with access to each facility's electrical panel(s) for power and light.
- .2 Provide and maintain temporary lighting throughout project, where required and in accordance with applicable Health and Safety standards.

## **1.7 TEMPORARY COMMUNICATION FACILITIES**

- .1 Provide and pay for temporary telephone, fax, data hook up, lines necessary for own use, if required.

## **1.8 FIRE PROTECTION**

- .1 Provide and maintain temporary fire protection equipment during performance of Work required by insurance companies having jurisdiction and governing codes, regulations and bylaws.
- .2 Burning rubbish and construction waste materials is not permitted on site.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not Used.

## **Part 3 Execution**

### **3.1 NOT USED**

**END OF SECTION**

**Part 1            General**

**1.1               RELATED SECTIONS**

- .1       Section 01 74 21   Waste Management and Disposal
- .2       Section 02 82 00.02   Asbestos Abatement - Intermediate Precautions
- .3       Section 02 82 00.03   Asbestos Abatement - Maximum Precautions

**1.2               INSTALLATION AND REMOVAL**

- .1       Provide temporary controls in order to execute Work expeditiously.
- .2       Remove from site all such work after use.

**1.3               GUARD RAILS AND BARRICADES**

- .1       Provide secure, rigid guard rails and barricades around deep excavations, open shafts, open stair wells, open edges of floors and roofs as necessary
- .2       Provide as required by governing authorities.

**1.4               WEATHER ENCLOSURES**

- .1       Not applicable

**1.5               DUST TIGHT SCREENS**

- .1       Provide dust tight screens or partitions to localize dust generating activities, and for protection of workers and public, as required.
- .2       Maintain and relocate protection until such work is complete.

**1.6               ACCESS TO SITE**

- .1       Provide and maintain access roads, sidewalk crossings, ramps and construction runways as may be required for access to Work.

**1.7               PUBLIC TRAFFIC FLOW**

- .1       Provide and maintain competent signal flag operators, traffic signals, barricades and flares, lights, or lanterns as required to perform Work and protect public, if required.

**1.8               FIRE ROUTES**

- .1       Maintain access to property including overhead clearances for use by emergency response vehicles.

**1.9 PROTECTION FOR OFF-SITE AND PUBLIC PROPERTY**

- .1 Protect surrounding private and public property from damage during performance of Work.
- .2 Be responsible for damage incurred.

**1.10 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Waste Management and Disposal.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**

**Part 1            General**

**1.1               RELATED SECTIONS**

- .1       Section 01 74 21 - Waste Management and Disposal.

**1.2               REFERENCES**

- .1       Not applicable.

**1.3               PROJECT CLEANLINESS**

- .1       Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Departmental Representative or other Contractors.
- .2       Remove waste materials from site at daily regularly scheduled times or dispose of as directed by Departmental Representative. Do not burn waste materials on site, unless approved by Departmental Representative.
- .3       Clear snow and ice from access to building, if necessary.
- .4       Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
- .5       Provide on-site containers for collection of waste materials and debris.
- .6       Provide and use marked separate bins for recycling. Refer to Section 01 74 21 - Waste Management and Disposal.
- .7       Dispose of waste materials and debris off site.
- .8       Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .9       Provide adequate ventilation during use of volatile or noxious substances. Use of building ventilation systems is not permitted for this purpose.
- .10      Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning material manufacturer.

**1.4               FINAL CLEANING**

- .1       When Work is Substantially Performed remove surplus products, tools, construction machinery and equipment not required for performance of remaining Work.
- .2       Remove waste products and debris other than that caused by others, and leave Work clean and suitable for occupancy.
- .3       Prior to final review remove surplus products, tools, construction machinery and equipment.

- .4 Remove all waste products and debris.
- .5 Remove waste materials from site at regularly scheduled times or dispose of as directed by Departmental Representative. Do not burn waste materials on site.
- .6 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.
- .7 Broom clean and wash exterior walks, steps and surfaces; rake clean other surfaces of grounds.
- .8 Clean and sweep areaways and sunken wells.
- .9 Sweep and wash clean paved areas.

**1.5 WASTE MANAGEMENT AND DISPOSAL**

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Waste Management and Disposal

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**

## **Part 1 General**

### **1.1 WASTE MANAGEMENT GOALS**

- .1 Prior to start of Work, conduct meeting with Departmental Representative and Consultant to review and discuss Waste Management Plan and Goals.
- .2 Waste Management Goal: Wood, concrete and metal Project Waste to be diverted from landfill sites unless not safe to do so (e.g. contaminated with asbestos or other hazardous building materials).
- .3 Provide Departmental Representative documentation certifying that waste management, recycling and/or reuse of recyclable and reusable materials have been extensively practiced.
- .4 Accomplish maximum control of solid demolition waste.

### **1.2 RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.

### **1.3 REFERENCES**

- .1 Canadian Environmental Protection Act (CEPA)
  - .1 CCME PN 1326-[2008], Environmental Code of Practice for Aboveground and Underground Storage Tank Systems for Petroleum Products and Allied Petroleum Products.
- .2 CSA International
  - .1 CSA S350-[M1980(R2003)], Code of Practice for Safety in Demolition of Structures.
- .3 Department of Justice Canada (Jus)
  - .1 Canadian Environmental Assessment Act (CEAA), 2012, c. 37.
  - .2 Canadian Environmental Protection Act (CEPA), 1999, c. 33.
    - .1 SOR/2003-2, On-Road Vehicle and Engine Emission Regulations.
    - .2 SOR/2006-268, Regulations Amending the On-Road Vehicle and Engine Emission Regulations.
    - .3 Transportation of Dangerous Goods Act (TDGA), 1992, c. 34.

### **1.4 DEFINITIONS**

- .1 Class III: non-hazardous waste - construction renovation and demolition waste.
- .2 Recyclable: ability of product or material to be recovered at end of its life cycle and re-manufactured into new product for reuse.
- .3 Recycle: process by which waste and recyclable materials are transformed or collected for purpose of being transferred into new products.

- .4 Recycling: process of sorting, cleansing, treating and reconstituting solid waste and other discarded materials for purpose of using in altered form. Recycling does not include burning, incinerating, or thermally destroying waste.
- .5 Reuse: repeated use of product in same form but not necessarily for same purpose. Reuse includes:
  - .1 Salvaging reusable materials from re-modelling projects, before demolition stage, for resale, reuse on current project or for storage for use on future projects.
  - .2 Returning reusable items including pallets or unused products to vendors.
- .6 Salvage: removal of structural and non-structural materials from deconstruction/disassembly projects for purpose of reuse or recycling.
- .7 Separate Condition: refers to waste sorted into individual types.
- .8 Source Separation: acts of keeping different types of waste materials separate beginning from first time they became waste.

## **1.5 DOCUMENTS**

- .1 Maintain at job site, one copy of each of the following documents:
  - .1 Material Source Separation Plan.

## **1.6 SUBMITTALS**

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit before final payment summary of waste materials salvaged for reuse, recycling or disposal by project using deconstruction/disassembly material audit form.
  - .1 Failure to submit could result in hold back of final payment.
  - .2 Provide receipts, scale tickets, waybills, and show quantities and types of materials reused, recycled or disposed of.
  - .3 For each material reused, sold or recycled from project, include amount in tonnes and the destination.
  - .4 For each material land filled or incinerated from project, include amount in tonnes of material and identity of landfill, incinerator or transfer station.

## **1.7 STORAGE, HANDLING AND PROTECTION**

- .1 Store materials to be reused, recycled and salvaged in locations as directed by Departmental Representative or Consultant.
- .2 Unless specified otherwise, materials for removal become Contractor's property.
- .3 Protect, stockpile, store and catalogue salvaged items.
- .4 Separate non-salvageable materials from salvaged items. Transport and deliver non-salvageable items to licensed disposal facility.
- .5 Protect structural components not removed for demolition from movement or damage.



- .6 Support affected structures. If safety of building is endangered, cease operations and immediately notify Departmental Representative and Consultant.
- .7 Protect surface drainage, mechanical and electrical from damage and blockage.
- .8 Separate and store materials produced during dismantling of structures in designated areas.
- .9 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated facilities.
  - .1 On-site source separation is recommended.
  - .2 Remove co-mingled materials to off-site processing facility for separation.
  - .3 Provide waybills for separated materials.

## **1.8 DISPOSAL OF WASTES**

- .1 Do not bury rubbish or waste materials.
- .2 Do not dispose of waste, volatile materials, mineral spirits, oil, paint thinner or any other liquid hazardous wastes into waterways, storm, or sanitary sewers.
- .3 Keep records of construction waste including:
  - .1 Number and size of bins.
  - .2 Waste type of each bin.
  - .3 Total tonnage generated.
  - .4 Tonnage reused or recycled.
  - .5 Reused or recycled waste destination.
- .4 Remove materials from deconstruction as deconstruction/disassembly Work progresses.
- .5 Prepare project summary to verify destination and quantities on a material-by-material basis as identified in pre-demolition material audit.

## **1.9 USE OF SITE AND FACILITIES**

- .1 Execute work with least possible interference or disturbance to normal use of premises.
- .2 Provide temporary security measures approved by Departmental Representative.

## **1.10 SCHEDULING**

- .1 Co-ordinate Work with other activities at site to ensure timely and orderly progress of Work.

## **Part 2 Products**

### **2.1 NOT USED**

- .1 Not Used.

**Part 3            Execution**

**3.1                APPLICATION**

- .1        Handle waste materials not reused, salvaged, or recycled in accordance with appropriate regulations and codes.

**3.2                CLEANING**

- .1        Remove tools and waste materials on completion of Work, and leave work area in clean and orderly condition.
- .2        Clean-up work area as work progresses.
- .3        Source separate materials to be reused/recycled into specified sort areas.

**3.3                DIVERSION OF MATERIALS**

- .1        Separate recyclable or reusable materials from general waste stream and stockpile in separate piles or containers, as reviewed by Departmental Representative, and consistent with applicable fire regulations.
  - .1        Mark containers or stockpile areas.
  - .2        Provide instruction on disposal practices.
- .2        On-site sale of salvaged, recovered, reusable and/or recyclable materials is not permitted.

**END OF SECTION**

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 74 11 – Cleaning.
- .2 Section 01 74 21 - Waste Management and Disposal.

**1.2 REFERENCES**

- .1 Not applicable.

**1.3 ADMINISTRATIVE REQUIREMENTS**

- .1 Acceptance of Work Procedures:
  - .1 Contractor's Inspection: Contractor: conduct inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract Documents.
    - .1 Notify Departmental Representative or Consultant in writing of satisfactory completion of Contractor's inspection and submit verification that corrections have been made.
    - .2 Request Departmental Representative/Consultant's inspection.
  - .2 Departmental Representative/Consultant's Inspection:
    - .1 Departmental Representative/Consultant and Contractor to inspect Work and identify defects and deficiencies.
    - .2 Contractor to correct Work as directed.
  - .3 Completion Tasks: submit written certificates in English that tasks have been performed as follows:
    - .1 Work: completed and inspected for compliance with Contract Documents.
    - .2 Defects: corrected and deficiencies completed.
    - .3 Equipment and systems: tested and fully operational.
    - .4 Work: complete and ready for final inspection.
  - .4 Final Inspection:
    - .1 When completion tasks are done, request final inspection of Work by Departmental Representative, Consultant, and Contractor.
    - .2 When Work incomplete according to Departmental Representative, Consultant, complete outstanding items and request re-inspection.
  - .5 Final Payment:
    - .1 When Departmental Representative and Consultant consider final deficiencies and defects corrected and requirements of Contract met, make application for final payment.

**1.4 FINAL CLEANING**

- .1 Clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Remove surplus materials, excess materials, rubbish, tools and equipment.
- .2 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Waste Management and Disposal

**Part 2                    Products**

**2.1                    NOT USED**

.1                    Not Used.

**Part 3                    Execution**

**3.1                    NOT USED**

.1                    Not Used.

**END OF SECTION**