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END OF SECTION

PART 1 - GENERAL

- 1.1 WORK COVERED BY CONTRACT DOCUMENTS .1 Work of this Contract comprises demolition and disposal of Wapiti Theatre building, removal of all posts, pathways, electrical infrastructure and rehabilitation on grounds Located 3.4km south of Jasper Townsite on Highway 93, in Jasper National Park.
.1 Theatre Building(Steel)- 33.0 sq.m.
.2 Theatre Foundation(Concrete)-33.0 sq.m.
.3 Grounds Area 1,249 sq.m.
- 1.2 CONTRACT METHOD .1 Construct Work under, Lump Sum price contract.
- 1.3 WORK RESTRICTIONS .1 Commence work upon notification of acceptance and complete by June 17, 2015.
.2 Work required to comply with attached Environmental Impact Analysis **J 15- 002 (Attachment # 1)**
.3 Hours of work will be restricted from 7:30am to 7:30pm.
- 1.4 PROJECT MEETING .1 Departmental Representative will schedule a project start-up meeting following notice of acceptance. Agenda to include lines of communication, contact information, scheduling, environmental briefing, and coordination.
.2 Subsequent meetings will be called as required.
- 1.5 DOCUMENTS REQUIRED .1 Maintain at job site, one copy each document as follows:
.1 Specifications.
.2 Addenda.
.3 Change Orders.
.4 Other Modifications to Contract.
.5 Health and Safety Plan and Other Safety Related Documents.
.6 Other documents as specified.
- 1.6 SCHEDULE .1 On award of contract submit construction schedule for

work, indicating anticipated progress stages.

- .2 Take necessary measures to complete work within scheduled time. Do not change schedule without approval of Departmental Representative.

1.7 ENVIRONMENTAL
PROCEDURES

- .1 Fires and burning of rubbish on site is not permitted.
- .2 Protect trees and plants on site. Wrap trees and shrubs adjacent to construction work in burlap.
- .3 Departmental Representative will notify Contractor in writing of observed noncompliance with Federal, Provincial or Municipal environmental laws or regulation, Permits.
- .4 After receipt of such notice, inform Departmental Representative of proposed corrective action and take such action for approval by Departmental Representative.
- .5 Departmental Representative will issue stop work order until satisfactory correction action has been taken.
- .6 Environmental Impact Analysis J15-002 outlines project specific mitigation measures and General Mitigations. Environmental Impact analysis J15- 002 is provided as an attachment in the tender package.

1.8 REGULATORY
REQUIREMENTS

- .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 provide that in case of conflict or discrepancy, more stringent requirements apply.
- .2 Comply with National Parks Act.
- .3 Have and maintain current Parks Canada Business License.

1.9 FIELD QUALITY
CONTROL

- .1 Carry out Work using qualified licensed workers in accordance with Provincial Act respecting manpower vocational training and qualification.
- .2 Permit employees registered in Provincial apprenticeship program to perform specific tasks only if under direct supervision of qualified licensed

workers.

- .3 Determine permitted activities and tasks by apprentices, based on level of training attended and demonstration of ability to perform specific duties.
- .4 Work to conform to the minimum applicable standards of the Canadian General Standards Board, the Canadian Standards Association, the National Building code of Canada 2010 (NBC) and applicable Provincial and Municipal codes. In the case of conflict or discrepancy the most stringent requirement applies.
- .5 Allow Departmental Representative access to Work.

1.10 CONSTRUCTION FACILITIES

- .1 The Contractor's construction yard will be located on site and determined in consultation with the Departmental Representative.
- .2 Provide and maintain lockable weatherproof sheds for storage of tools, equipment and materials.
- .3 Provide marked and fully stocked first-aid case in a readily available location.
- .4 Provide common-use sign related to information, instruction, use of equipment, public safety, etc. in both official languages or by the use of commonly understood graphic symbols.
- .5 Do not unreasonably encumber site with materials or equipment.
- .6 Advertising is not permitted on this project.
- .7 Contractor is responsible for the construction yard and work area security at all times. Ensure the construction zone is secure against entry when the work site is closed (e.g. temporary fencing).

1.11 EXAMINATION & PREPARATION

- .1 Examine site and conditions likely to affect Work and be familiar and conversant with existing conditions.
- .2 Before commencing work, provide photographs of surrounding objects and structures liable to be damaged or be subject of subsequent claims.

1.12 EXECUTION

- .1 Remove items as shown or specified.

1.13 CLEAN UP

- .1 Maintain Work in tidy condition, free from accumulation of waste products and debris.
- .2 Clean up work area as Work progresses. At the end of each work period, and more often if ordered by Departmental Representative, remove debris from site, neatly stack material for use, and clean up generally.
- .3 Do not burn waste materials on site.
- .4 Provide on-site containers for collection of waste materials.
- .5 Dispose of waste materials and debris off site.
- .6 Upon completion, remove temporary protection and surplus materials. Make good defects noted.

1.14 PROJECT
CLOSEOUT AND
SUBMITTALS

- .1 Acceptance of Work Procedures:
 - .1 Contractor's Inspection: conduct inspection of Work, 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 submit verification that corrections have been made.
 - .3 Departmental Representative Inspection: Departmental Representative and Contractor to inspect Work and identify defects and deficiencies.
 - .4 Contractor to correct Work as directed.
 - .5 Completion Tasks: submit written certificates that tasks have been performed as follows:
 - .1 Work: completed and inspected for compliance with Contract Documents and ready for final inspection.
 - .2 Defects: corrected and deficiencies completed.
 - .6 Final Inspection: When completion tasks are done, request final inspection of Work by Departmental Representative, and Contractor.
 - .1 When Work incomplete according to Departmental Representative, complete outstanding items and request re-inspection.

END OF SECTION

PART 1 - GENERAL

1.1 REFERENCES

- .1 Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
- .2 Province of Alberta
 - .1 Occupational Health and Safety Act, R.S.A. - Updated 2013.
- .3 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheet (MSDS).
- .4 Attestation and Proof of Compliance with Occupational health and Safety (APC).
- .5 National Building Code of Canada (NBCC) 2010- Part 8 Safety Measures at Construction and Demolition Sites.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 11 00 - General Conditions.
- .2 Submit site-specific Health and Safety Plan: Within 7 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
 - .1 Results of site specific safety hazard assessment.
 - .2 Results of safety and health risk or hazard analysis for site tasks and operation .
 - .3 Completed and signed Attestation and proof of Compliance with Occupational Health and Safety form.
- .3 Submit 2 copies of Contractor's authorized representative's work site health and safety inspection reports to Departmental Representative .
- .4 Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors.
- .5 Submit copies of incident and accident reports.
- .6 Submit WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 11 00 - General Conditions Section .

- 1.6 RESPONSIBILITY
- .1 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.
 - .2 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- 1.7 COMPLIANCE REQUIREMENTS
- .1 Comply with Occupational Health and Safety Act, General Safety Regulation, Alberta Reg. .
 - .2 Comply with Canada Labour Code, Canada Occupational Safety and Health Regulations.
- 1.8 UNFORESEEN HAZARDS
- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing.
- 1.9 POSTING OF DOCUMENTS
- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Province having jurisdiction, and in consultation with Departmental Representative .
- 1.10 CORRECTION OF NON-COMPLIANCE
- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Departmental Representative .
 - .2 Provide Departmental Representative with written report of action taken to correct non-compliance of health and safety issues identified.
 - .3 Departmental Representative may stop Work if non-compliance of health and safety regulations is not corrected.

1.11 POWDER .1 Use powder actuated devices only after receipt of
ACTUATED DEVICES written permission from Departmental Representative
.

1.12 WORK STOPPAGE .1 Give precedence to safety and health of public and site
personnel and protection of environment over cost and
schedule considerations for Work.

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 All Divisions and 01, 02, Sections.

1.2 SUBMITTALS

- .1 Prior to commencement of construction the Contractor must provide written confirmation that he has read and understood and will comply with environmental procedures as outlined in this section 01 35 43 and the attached Environmental Impact Analysis: J15-002.

1.3 NATIONAL PARK
REGULATIONS

- .1 The Contractor shall ensure that all work is performed in accordance with the ordinances, laws, rules and regulations set out in the Canada National Parks Act and Regulations.
- .2 The Contractor and any Sub-Contractors shall obtain a business license from the Parks Canada Administration Office in Jasper, prior to commencement of the contract.
- .3 All Contractor's vehicles are required to display a vehicle work pass from Parks Canada. These permits may be obtained free of charge from the Parks Canada Administration Office.

1.4 CANADIAN
ENVIRONMENTAL
ASSESSMENT ACT
(CEAA)

- .1 Execution of the work is subject to the provisions within the Canadian Environmental Assessment Act (CEAA) Guidelines Order of 2012, subsequent amendments, and Parks Canada's Interim Directive on Implementation of the Canadian Environmental Assessment Act 2012.
- .2 Failure to comply with or observe environmental protection measures as identified in these specifications may result in the work being suspended pending rectification of the problems.

1.5 MONITORING

- .1 Parks Canada will have an ESO attending the site to

monitor the construction activity for conformance with the Environmental Procedures. The ESO or alternate designated Parks Canada staff member will present the "environmental briefing". The ESO's main duties are to monitor progress of the construction on an on-going basis to ensure compliance with the environmental protection measures, and to provide guidance through the Departmental Representative, in event of unanticipated environmental problems. Although the ESO has authority to enforce National Parks Act violation, direction to the contractor will be the duty of the Departmental Representative.

1.6 CONSTRUCTION
SITE ACCESS AND
PARKING

- .1 In consultation with the Departmental Representative, the Contractor shall formulate an agreement for worker transportation to and from the work sites and where workers shall park their private vehicles. Generally, personal vehicles shall be parked at least 10 metres distance from any watercourse.
- .2 The Contractor shall ensure that the environment beyond the work limits is not negatively impacted or damaged by workers' vehicles or construction machinery and shall instruct workers so that the "footprint" of the project is kept within defined boundaries.

1.7 PROTECTION OF
WORK LIMITS

- .1 The Contractor is to prepare an Environmental Protection Plan which details how the work limits shall be marked and what procedures will be employed to ensure trespass outside these limits does not occur, to the satisfaction of the Departmental Representative and the ESO.

1.8 EROSION CONTROL

- .1 Erosion control measures that prevent sediment from entering any waterway, water body or wetland in the vicinity of the construction site are a critical element of the project and shall be implemented by the Contractor.
- .2 If necessary, on-site sediment control measures shall be constructed and functional prior to initiating activities. The Contractor shall prepare an Erosion Control Plan to the satisfaction of the Departmental Representative and the ESO.
- .3 The regular monitoring and maintenance of all erosion control measures shall be the responsibility of the Contractor. if the design of the control measures is not functioning effectively they are to be repaired. The Departmental Representative and ESO also will monitor erosion control performance.
- .4 The site will be secured against erosion during any

period of construction inactivity or shutdown.

1.9 POLLUTION
CONTROL

- .1 The Contractor shall prevent any deleterious and objectionable materials from entering streams, rivers, wetlands, water bodies or watercourses that would result in damage to aquatic and riparian habitat. Hazardous or toxic products shall be stored no closer than 30 metres from watercourses.
- .2 The containment, storage, security, handling, use, unique spill response requirements and disposal of empty containers, surplus product or waste generated in the use of any hazardous or toxic products shall be in accordance with all applicable federal and provincial legislation. Hazardous products shall be stored no closer than 100 metres from watercourses.
- .3 The Contractor shall prevent blowing dust and debris by covering and/or providing dust control for temporary roads and on-site work by methods that are approved by the Departmental Representative or ESO.
- .4 The Contractor shall provide spill kits at re-fuelling, lubrication, and repair locations that will be capable of dealing with 110% of the largest potential spill and shall be maintained in good working order on the construction site. The ESO and Departmental Representative prior to project start-up must approve these spill kits. The Contractor and site staff shall be informed of the location of the spill response kit(s) and be trained in its use.
- .5 Timely and effective action shall be taken to stop, contain and clean-up spills as long as the site is safe to enter. The Departmental Representative and ESO shall be notified immediately of any spill. If not available, Jasper Dispatch will be contacted at (780) 852-6155.
- .6 In the event of a major spill, all work shall be stopped and all personnel devoted to spill containment and clean-up.
- .7 The costs involved in a spill incident (the control, clean up, disposal of contaminants and site remediation to pre-spill conditions), shall be the responsibility of the Contractor. The site will be inspected to ensure completion to the expected standard and to the satisfaction of the Departmental Representative and ESO.

1.10 EQUIPMENT
MAINTENANCE,
FUELLING AND
OPERATION

- .1 The Contractor shall ensure that all soil, seeds, and any debris attached to construction equipment to be used on the project site shall be removed (e.g. power washing) outside the Jasper National Park before delivery to the work site.

- .2 Equipment fuelling sites will be identified by the Contractor and approved by the Departmental Representative and the ESO. Except for chain saws, any fuelling closer than 100 metres from any streams, wetlands, water bodies or waterways shall require the authorization and oversight of the Departmental Representative.
- .3 Mobile fuel containers (e.g. slip tanks, small fuel carboys) shall remain in the service vehicle at all times. Protection and containment of approved fuel storage site is addressed in #4 of Pollution Control above.
- .4 Equipment used on the project shall be fuelled with E10 and low sulfur diesel fuels and shall conform to local emission requirements. The Contractor is to ensure that unnecessary idling of vehicles is avoided.
- .5 Oil changes, lubricant changes, greasing and machinery repairs shall be performed at locations approved by the ESO or the Departmental Representative. Waste lubrication products (e.g. oil filters, used containers, used oil, etc.) shall be secured in spill-proof containers and properly recycled or disposed of at an approved facility. No waste petroleum, lubricant products or related materials are to be discarded, buried or disposed of in borrow pits, turnouts, picnic areas viewpoints, etc. anywhere within Jasper National Park.
- .6 The Contractor shall ensure that all equipment is inspected daily for fluid/fuel leaks and maintained in good working order.
- .7 Fuel containers and lubricant product shall be stored only in secure locations specified by the Departmental Representative. Fuel tanks or other potentially deleterious substance containers shall be secured to ensure they are tamper proof and cannot be drained by vandals when left overnight in Jasper National Park. alternatively, the Contractor may hire a security person employed to prevent vandalism.

1.11 OPERATION OF EQUIPMENT

- .1 Equipment movements shall be restricted to the "footprint" of the construction area. The work limits shall be identified by stake and ribbon or other methods approved by the Departmental Representative. Unless authorized by the Departmental Representative activities beyond the work limits are not permitted. No machinery will enter, work in or cross over streams, rivers, wetlands, water bodies or watercourses, nor damage aquatic and riparian habitat or trees and plant communities.
- .2 The Contractor shall instruct workers to prevent pushing, placement, raveling, storage or stockpiling of any materials (e.g. slash, rock, fill or topsoil) in the trees bordering the right-of-way or into watercourses or water bodies.
- .3 When, in the opinion of Parks Canada, negligence on

the part of the Contractor results in damage or destruction of vegetation, or other environmental or aesthetic features beyond the designated work area, the Contractor shall be responsible, at his or her expense, for complete restoration including the replacement of trees, shrubs, topsoil, grass, etc. to the satisfaction of the Departmental Representative and ESO.

.4 Restrict vehicle movements to work limits.

1.12 FIRE
PREVENTION AND
CONTROL

.1 A fire extinguisher shall be carried and available for use on each machine and at locations within the plant in the event of fire.

.2 Construction equipment shall be operated in a manner and with all original manufacturer's safety devices to prevent ignition of flammable materials in the area.

.3 Care shall be taken while smoking on the construction site to ensure that the accidental ignition of any flammable material is prevented. Fires or burning of waste materials is not permitted.

.4 In case of fire, the Contractor or worker shall take immediate action to extinguish the fire provided it is safe to do so. The ESO and the Departmental Representative shall be notified of any fire immediately. If not available, Jasper Dispatch shall be contacted at (780) 852-6155.

.5 Fires or burning of waste materials is not permitted.

1.13 WILDLIFE

.1 During the Environmental Briefing all personnel shall be instructed by the ESO on procedures to follow in the event of wildlife appearance near or within the work site and any other wildlife concerns.

.2 Construction activities will take place during daylight hours and, if necessary, the construction activity may be scheduled around important wildlife windows.

.3 All site workers will observe posted speed limits and avoid or terminate activities on site that attract or disturb wildlife and vacate the area and stay away from the immediate location if bears, cougars, wolves, elk or moose display aggressive behaviour or persistent intrusion. Extra care to control materials that might attract wildlife (e.g. lunches and food scraps) must be exercised at all times. The Contractor will ensure that the work site is properly secured during non-work hours with excavations fenced and covered as required to prevent injury to wildlife.

.4 Notify the ESO and Departmental Representative immediately about dens, litters, nests, carcasses (road kills), bear activity or encounters on or around the site. Other wildlife-related encounter are to be reported within 24 hours. If the ESO or Departmental Representative are not available, Jasper Dispatch will

be contacted at (780) 852-6155.

1.14 RELICS OR
ANTIQUITIES

- .1 Artifacts, relics, antiquities and items of historical interest such as cornerstones, commemorative plaques, inscribed tablets and similar objects found on the work site shall be reported to the ESO or the Departmental Representative immediately. The Contractor and workers shall wait for instruction before proceeding with their work.
- .2 All historical or archaeological objects found in Jasper National Park are protected under the National Parks Act and Regulations and are the property of Parks Canada. The Contractor and workers shall protect any articles found and request direction for the ESO or the Departmental Representative.

1.15 WASTE
MATERIALS STORAGE
AND REMOVAL

- .1 The Contractor and workers shall dispose of hazardous wastes in conformance with the Environmental Contaminants Act and applicable provincial regulations while observing the Cod of Good Practice for Management of Hazardous and Toxic Wastes at Federal Establishments.
- .2 All wastes originating from construction, trade, hazardous and domestic sources, shall not be mixed, but will be kept separate.
- .3 Construction, trade, hazardous waste and domestic waste materials shall not be burned, buried or discarded at the construction site or elsewhere in Jasper National Park. These wastes shall be contained and removed in a timely and approved manner by the Contractor and workers, and disposed of at an appropriate waste landfill site located outside the park. Construction waste storage containers, provided by the Contractor, shall be emptied by the Contractor when 90% full. Waste containers will have lids, and waste shall be covered while being transported.
- .4 A concerted effort shall be made by the Contractor and workers to reduce, reuse and recycle materials.
- .5 All efforts to prevent wildlife from obtaining food, garbage or other domestic wastes shall be made by the Contractor and contract staff while undertaking their work in Jasper National Park. Such wildlife attractants shall not be stored at the work site overnight. Lunches, coolers and food products, including waste food products, shall be securely stored away from access by animals. Daily removal of food scraps, food wrappers, pop cans or other attractive products to bear proof containers is mandatory.
- .6 The Contractor and workers shall immediately report any circumstances related to food/garbage (e.g. overflowing container or strong smell) and wildlife to ESO Jasper Dispatch at (780) 852-6155 and report the details.
- .7 Sanitary facilities, such as portable container

toilet, shall be provided by the Contractor and maintained in a clean condition.

1.16 MISCELLANEOUS
SITE MANAGEMENT
CONTINGENCIES

- .1 If required, a Contractor's office and work headquarters material laydown, equipment parking and storage area will be permitted at the work site.
- .2 The National Park Act regulation prohibit anyone working within Jasper National Park from using public campground facilities.
- .3 The Contractor shall control blowing dust and debris generated from the construction site by means such as covering or wetting down dry materials and rubbish. Dust control measures for temporary access roads may also have to be initiated.
- .4 Security service at the construction site may be desirable or necessary during the contract, especially during quiet times. Fuel tanks or other potentially deleterious substance containers must be secured by the Contractor to ensure they are tamper proof and cannot be drained by vandals at his own cost.
- .5 Pets shall not be brought to or maintained at the construction site.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not Used.

PART 3 - EXECUTION

3.1 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Ensure public waterways, storm and sanitary sewers remain free of waste and volatile materials disposal.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED
REQUIREMENTS

- .1 Section 01 35 43 - Environmental Procedures.

1.2 INSTALLATION
AND REMOVAL

- .1 Provide construction facilities in order to execute work expeditiously.
.2 Remove from site all such work after use.

1.3 SITE
STORAGE/LOADING

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

1.4 CONSTRUCTION
PARKING

- .1 Provide and maintain adequate access to project site.
.2 If authorized to use existing roads for access to project site, maintain such roads for duration of Contract and make good damage resulting from Contractors' use of roads.

1.5 EQUIPMENT, TOOL
AND MATERIALS
STORAGE

- .1 Provide and maintain, in clean and orderly condition, lockable weatherproof sheds for storage of tools, equipment and materials.
.2 Locate materials not required to be stored in weatherproof sheds on site in manner to cause least interference with work activities.

1.6 SANITARY
FACILITIES

- .1 Provide sanitary facilities for work force in accordance with governing regulations and ordinances

and Section 01 35 43 - Environmental Procedures.

- .2 Post notices and take precautions as required by local health authorities. Keep area and premises in sanitary condition.

1.7 CONSTRUCTION SIGNAGE

- .1 No other signs or advertisements, other than warning signs, are permitted on site.
- .2 Signs and notices for safety and instruction in both official languages Graphic symbols to CAN/CSA-Z321.
- .3 Maintain approved signs and notices in good condition for duration of project, and dispose of off site on completion of project or earlier if directed by Departmental Representative .

1.8 PROTECTION AND MAINTENANCE OF TRAFFIC

- .1 Maintain and protect traffic on affected roads during construction period except as otherwise specifically directed by Departmental Representative .
- .2 Protect travelling public from damage to person and property.
- .3 Contractor's traffic on roads selected for hauling material to and from site to interfere as little as possible with public traffic.

1.9 CLEAN-UP

- .1 Remove construction debris, waste materials, packaging material from work site daily.
- .2 Clean dirt or mud tracked onto paved or surfaced roadways.
- .3 Store materials resulting from demolition activities that are salvageable.
- .4 Stack stored new or salvaged material not in construction facilities.

PART 2 - PRODUCTS

2.1 NOT USED .1 Not Used.

PART 3 - EXECUTION

3.1 TEMPORARY
EROSION AND
SEDIMENTATION
CONTROL .1 Provide temporary erosion and sedimentation control
measures to prevent soil erosion and discharge of
soil-bearing water runoff or airborne dust to adjacent
properties and walkways, according to requirements of
authorities having jurisdiction sediment and erosion
control drawings sediment and erosion control plan,
specific to site, that complies with EPA 832/R-92-005
or requirements of authorities having jurisdiction,
whichever is more stringent.

.2 Inspect, repair, and maintain erosion and
sedimentation control measures during construction
until permanent vegetation has been established.

.3 Remove erosion and sedimentation controls and restore
and stabilize areas disturbed during removal.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED
REQUIREMENTS

.1 Section.

1.2 PROJECT
CLEANLINESS

.1 Maintain Work in tidy condition, free from accumulation of waste products and debris, other than that caused by Owner 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.

.3 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.

.4 Provide on-site containers for collection of waste materials and debris.

.5 Provide and use marked separate bins for recycling. Refer to Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

.6 Dispose of waste materials and debris off site.
.1 Concrete material may be disposed of in the Jasper Transfer Station.
.2 Metals may be disposed of in the Jasper Transfer Station metals pile.
.3 All clean wood may be disposed of in the Jasper Transfer Station wood pile.
.4 All other material is to be disposed of in the West Yellowhead Regional Landfill.

1.3 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 waste products and debris other than that caused by Owner or other Contractors.
- .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, unless approved by Departmental Representative .
- .6 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.

1.4 WASTE
MANAGEMENT AND
DISPOSAL

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition 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 Accomplish maximum control of solid construction waste.
- .2 Preserve environment and prevent pollution and environment damage.

1.2 WASTE REDUCTION
WORKPLAN (WRW)

- .1 Structure WRW to prioritize actions and follow 3R's hierarchy, with Reduction as first priority, followed by Reuse, then Recycle.
- .2 Post WRW or summary where workers at site are able to review content.

1.3 WASTE SOURCE
SEPARATION PROGRAM
(WSSP)

- .1 Provide sufficient on-site facilities and containers for collection, handling, and storage of anticipated quantities of reusable and recyclable materials.
- .2 Locate containers to facilitate deposit of materials without hindering daily operations.
- .3 Locate separated materials in areas which minimizes material damage.

1.4 WASTE
PROCESSING SITES

- .1 Contractor is responsible to research and locate waste diversion resources and service providers. Salvaged materials are to be transported off site to approved and/or authorized recycling facilities or to users of material for recycling.

1.5 STORAGE,
HANDLING AND
PROTECTION

- .1 Store, materials to be reused, recycled and salvaged in locations as directed by Departmental Representative .
- .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 Provide on-site facilities and containers for collection and storage of reusable and recyclable materials.
- .6 Prevent contamination of materials to be salvaged and recycled and handle materials in accordance with requirements for acceptance by designated processing facilities.
 - .1 On-site source separation is recommended.
 - .2 Remove co-mingled materials to off site processing facility for separation.

1.6 DISPOSAL OF WASTES

- .1 Do not bury rubbish or waste materials.
- .2 Do not dispose of waste into waterways, storm, or sanitary sewers.
- .3 Remove materials on-site as Work progresses.
 - .1 Metals may be disposed of in the metals pile at the Jasper Transfer Station.
 - .2 All other mixed material waste is to be disposed of at the Yellowhead Regional Landfill.
 - .3 Concrete material may be disposed of in the pit at the Jasper Transfer Station.
 - .4 Clean wood may be disposed of in the Jasper Transfer Station wood pile.
 - .5 Asphalt material is to be disposed of at the Yellowhead Regional Landfill.
 - .6 Hazardous waste: such as lead paint, must be disposed of at an approved landfill site, the closest being Hinton, Alberta.

END OF SECTION

PART 1 - GENERAL

1.1 PRECEDENCE

- .1 For Federal Government projects, Division 1 Section take precedence over technical specification sections in other Divisions of this Project Manual.

1.2 INSPECTION AND DECLARATION

- .1 Contractor's Inspection: Contractor and all Subcontractors shall conduct and inspection of Work, identify deficiencies and defects, and repair as required to conform to Contract.
- .1 Notify Departmental Representative in writing of satisfactory completion of Contractor's Inspection and that corrections have been made.
- .2 Request Departmental Representative's Inspection.
- .2 Departmental Representative's Inspection: Departmental Representative and Contractor will perform inspection of Work to identify obvious defects or deficiencies. Contractor shall correct Work accordingly.
- .3 Completion: submit written certificate that 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.
- .4 Final Inspection: when items noted above are completed, request final inspection of Work by Departmental Representative, and Contractor. If Work is deemed incomplete by Departmental Representative, complete outstanding items and request re-inspection.

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.
- .1 Section 01 35 29.06 Health and Safety Requirement
- .2 Section 01 35 43 Environmental Procedures
- .3 Section 01 74 21 Construction/Demolition Waste Management and Disposal

1.2 REFERENCES

- .1 CSA International
 - .1 CSA S350-M1980(R2003), Code of Practice for Safety in Demolition of Structures.

1.3 ACTION AND
INFORMATIONAL
SUBMITTALS

- .1 Submit in accordance with Section 01 74 21 Construction/Demolition Waste Management Disposal.
 - .1 Construction Waste Management:
 - .1 Submit project Waste Reduction Workplan highlighting recycling and salvage requirements.

1.4 SITE CONDITIONS

- .1 Review "Designated Substance Report" and take precautions to protect environment.
- .2 If material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Departmental Representative immediately.
 - .1 Proceed only after receipt of written instructions have been received from Departmental Representative .
- .3 Notify Departmental Representative before disrupting access or services.

PART 2 - PRODUCTS

2.1 NOT USED .1 Not used.

PART 3 - EXECUTION

3.1 EXAMINATION .1 Inspect site with Departmental Representative and verify extent and location of items designated for removal, disposal, alternative disposal, recycling, salvage and items to remain.

.2 Locate and protect utilities. Preserve active utilities traversing site in operating condition.

.3 Notify and obtain approval of utility companies before starting demolition.

.4 Disconnect, cap, plug or divert, as required, existing public utilities within the property where they interfere with the execution of the work, in conformity with the requirements of the authorities having jurisdiction. Mark the location of these and previously capped or plugged services on the site and indicate location (horizontal and vertical) on the record drawings. Support, shore up and maintain pipes and conduits encountered.

.1 Immediately notify Departmental Representative and utility company concerned in case of damage to any utility or service, designated to remain in place.

.2 Immediately notify the Departmental Representative should uncharted utility or service be encountered, and await instruction in writing regarding remedial action.

3.2 PREPARATION .1 .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to: requirements of authorities having jurisdiction .

.1 Inspect, repair, and maintain erosion and sedimentation control measures during demolition.

.2 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal

after completion of demolition work.

- .1 Site Access road.
 - .2 Work area including footprint of structure.
- .2 Protection of In-Place Conditions:
- .1 Prevent movement, settlement, or damage to adjacent utilities, and landscaping features to remain in place. Provide bracing and shoring required.
 - .2 Keep noise, dust, and inconvenience to occupants to minimum.
 - .3 Provide temporary dust screens, covers, railings, supports and other protection as required.
- .3 Demolition/Removal:
- .1 Remove items as indicated.

3.3 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

END OF SECTION

PART 1 - GENERAL

1.1 SUMMARY

- .1 Comply with requirements of this Section when performing following Work:
 - .1 Removal of lead-containing coatings or materials using a power tool with an effective dust collection system equipped with a HEPA filter on areas as indicated within the Hazardous Building Materials Assessment authored by Nichols Environmental.

1.2 REFERENCES

- .1 Department of Justice Canada
 - .1 Canadian Environmental Protection Act, 1999 (CEPA).
- .2 Health Canada
 - .1 Workplace Hazardous Materials Information System (WHMIS), Material Safety Data Sheets (MSDS).
- .3 Human Resources and Social Development Canada (HRSDC)
 - .1 Canada Labour Code Part II, - SOR 86-304 - Occupational Health and Safety Regulations.
- .4 Transport Canada (TC)
 - .1 Transportation of Dangerous Goods Act, 1992 (TDGA).
- .5 Underwriters' Laboratories of Canada (ULC)

1.3 DEFINITIONS

- .1 HEPA vacuum: High Efficiency Particulate Air filtered vacuum equipment with a filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.
- .2 Authorized Visitors: Departmental Representative or designated representatives.
- .3 Polyethylene: polyethylene sheeting or rip-proof polyethylene sheeting with tape along edges, around penetrating objects over cuts and tears, and elsewhere as required to provide protection and isolation. For protection of underlying surfaces from damage and to prevent lead dust entering in clean area.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Polyethylene 0.15 mm thick unless otherwise specified; in sheet size to minimize joints.
 - .2 Tape: fibreglass - reinforced duct tape suitable for sealing polyethylene under dry conditions and wet conditions using amended water.
 - .3 Slow - drying sealer: non-staining, clear, water - dispersible type that remains tacky on surface for at least 8 hours and designed for purpose of trapping residual lead paint residue.

PART 3 - EXECUTION

- 3.1 SUPERVISION
- .1 Supervisor must remain within work area during disturbance, removal, or handling of lead based paints.

END OF SECTION



PARKS CANADA AGENCY
ATTN: DAVID KJORVEN
JASPER NATIONAL PARK
#1 COMPOUND ROAD, BOX 10
JASPER AB T0E 1E0

Date Received: 06-MAY-15
Report Date: 08-MAY-15 16:14 (MT)
Version: FINAL

Client Phone: 780-852-0368

Certificate of Analysis

Lab Work Order #: L1607640
Project P.O. #: NOT SUBMITTED
Job Reference: WAPITI INTERPRETIVE THEATRE
C of C Numbers:
Legal Site Desc:

Taryn Williams
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 9936-67 Avenue, Edmonton, AB T6E 0P5 Canada | Phone: +1 780 413 5227 | Fax: +1 780 437 2311
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1607640-1 #1 EXTERIOR OVERHEAD DOOR PAINT-RED Sampled By: CM on 04-MAY-15 @ 08:00 Matrix: BULK Lead In Paint Lead in Paint by ICPOES Lead (Pb)	147		10	mg/kg	08-MAY-15	08-MAY-15	R3187138
L1607640-2 #2 INTERIOR WALL PAINT-BLACK Sampled By: CM on 04-MAY-15 @ 08:00 Matrix: BULK Lead In Paint Lead in Paint by ICPOES Lead (Pb)	671		10	mg/kg	08-MAY-15	08-MAY-15	R3187138

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
PB-200.2-ICP-ED	Bulk	Lead in Paint by ICPOES	EPA 200.2/6010B

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA

Chain of Custody Numbers:
GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

PART 1 - GENERAL

1.1 RELATED
REQUIREMENTS

.1 Section 02 41 99

1.2 REFERENCES

.1 ASTM International
.1 ASTM D 698-07e1, Standard Test Methods for
Laboratory Compaction Characteristics of Soil Using
Standard Effort (12,400ft-lbf/ft²) (600kN-m/m²).

1.3 ADMINISTRATIVE
REQUIREMENTS

.1 Co-ordination: arrange with authority having
jurisdiction for relocation of buried services that
interfere with execution of work.
.1 Pay costs of relocating services.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Backfill material to be pitrun. Maximum 154.4mm (6
inches) rock diameter. Not to contain any organic
materials. Fill to a depth of 50mm of surrounding
surface.
.2 Weed Free Organic material used for top cover to be
placed to a depth of 50mm.

PART 3 - EXECUTION

3.1 EXAMINATION

.1 Evaluation and Assessment:

.1 Before commencing work establish locations of buried services on and adjacent to site.

.2 Contact "First Call" for Telus line locates.

.3 Contact Parks Canada Agency for:

.1 Electrical Line Locates.

.1 Heather Commode (Electrical Supervisor):
ph 780-852-6139.

.2 Water/Sewer Line Locates.

.1 Kevin Alton (Plumbing Supervisor): ph
780-852-6128

3.2 PREPARATION

.1 Temporary erosion and sedimentation control:

.1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction .

.2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.

.3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

.2 Protection of in-place conditions:

.1 Protect excavations from freezing.

.2 Keep excavations clean, free of standing water, and loose soil.

.3 Where soil is subject to significant volume change due to change in moisture content, cover and protect to Departmental Representative's approval.

.4 Protect natural and man-made features required to remain undisturbed. Unless otherwise indicated or located in an area to be occupied by new construction, protect existing trees from damage.

.5 Protect buried services that are required to remain undisturbed.

.3 Removal:

.1 Remove obsolete buried services within 2 m of foundations: cap cut-offs.

3.3 EXCAVATION

.1 Excavate as required to carry out work.

.1 Do not disturb soil or rock below bearing surfaces.

.2 Notify Departmental Representative when excavations are complete.

3.4 FIELD QUALITY
CONTROL

- .1 Do not begin backfilling or filling operations until material has been approved for use by Departmental Representative .

3.5 BACKFILLING

- .1 Remove snow, ice, construction debris, organic soil and standing water from spaces to be filled.
- .2 Compaction of subgrade: compact existing subgrade under walks, paving, and slabs on grade, to same compaction as fill.
 - .1 Fill excavated areas with selected subgrade material compacted as specified for fill.
- .3 Placing:
 - .1 Place backfill, fill and base course material in 300 mm lifts: add water as required to achieve specified density.
- .4 Compaction: compact each layer of material to following densities for material to ASTM D 698:
 - .1 85% under landscaped areas
 - .2 95% under paved and walk areas
- .5 Under seeded and sodded areas: use site excavated material to bottom of topsoil except in trenches and within 600 mm of foundations.

3.6 GRADING

- .1 Scarify subsurface within the site layout working footprint to a depth of 100mm.
- .2 Final subsurface finish to following existing contour and elevations.

3.7 Organic
Materials

- .1 All areas of the site layout working footprint to be covered to a depth of 50mm with Weed Free Organic Material.

3.8 Seeding

- .1 Seeding of all disturbed areas with site layout working footprint.
 - .1 Approved seed will be supplied by Parks Canada Representative.

3.9 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
 - .2 Dispose of cleared and grubbed material off site daily.

- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

END OF SECTION