

1.1 DESCRIPTION OF WORK

- .1 Scope of work under this standing offer includes but shall not be limited to all labour, material and equipment to complete minor marine projects on Small Craft Harbour Facilities in Northeast New Brunswick, including harbours from Burnt Church to New Mills.
- .2 All work will be coordinated with the Departmental Representative, the Area Chief, Small Craft Harbours and the Harbour Authority of the facility should there be one.
- .3 For each call-up the Departmental Representative will provide, in consultation with the Contractor, a scope of work. The contractor will visit the site of work and provide a written quote using items listed in this standing offer. Contractor to visit the site of work within 72 hours of notification from the Departmental Representative.
- .4 The Contractor must visit the site of work prior to submitting the written quote. No change to the quote will be made without the Departmental Representative's approval or change in scope of work.
- .5 Minimum call-up amount will be \$2,500.00 and the maximum will not exceed \$50,000.00 including HST.

1.2 WORK SCHEDULE

- .1 The Contractor will order material required to complete the work immediately upon receipt of the call-up.
- .2 The Departmental Representative will allow time for receipt of material. (estimated at 4 weeks for timber). Contractor will complete the work within 8 weeks from receipt of call up unless otherwise authorized by the Departmental Representative . Should material be obtained in less than 4 weeks, work is to be completed in a timely manner to the satisfaction of the Departmental Representative.

1.3 MEASUREMENT FOR .1
PAYMENT

- .1 Measurement for payment will be by the unit prices as indicated in this specification and on the Predominantly Timber Work Unit Price Table and the Concrete and Heavy Equipment Work Unit Price Table.
- .2 Contractor will note that from site to site the length of some materials required, i.e. sheathing, fenders, ladders, etc. vary. Maximum lengths expected to be done are depicted in sketches. Contractor in his quote will cover all costs of material. No extra compensation will be made for material. No credit will be expected by Departmental Representative for shorter material than what was quoted.
- .3 All items to include removal and disposal of existing items if and as required. Dispose of in an environmentally acceptable manner to all existing N.B. Environmental Disposal Regulations.
- .4 Unit Prices include all labour, plant and equipment required to complete the work.

1.4 CODES AND .1
STANDARDS

- .1 Perform work in accordance with the 2010 National Building Code of Canada and any other code of provincial or local application including all amendments up to project tender closing date provided that in any case of conflict or discrepancy, the more stringent requirements shall apply.
- .2 Materials and workmanship must meet or exceed requirements of specified standards, codes and referenced documents.

1.5 CONTRACTOR's USE .1
OF SITE

- .1 Co-operate with users of existing facilities. Maintain access to the existing wharves, structures, ect. and consult with the local Harbour Authority for the site access limitations.
- .2 Should interferences occur, take directions from Departmental Representative.
- .3 Do not unreasonably encumber site with materials or equipment.

1.5 CONTRACTOR'S USE OF SITE
(Cont'd)

- .4 Move stored products or equipment which interfere with operations of the Departmental Representative or other Contractors.
- .5 Obtain and pay for use of additional storage or work areas need for operations.
- .6 Comply with all regulations and authorities having jurisdiction over the work, whether on land or on water.
- .7 Ensure no damage occurs to existing structures as a result of operations. Any said damage will be repaired at contractor's expense.
- .8 Contractor will note that fishing activity in the harbour includes fishing boats, moorings, ect. The Contractor will notify the Harbour Authority when a portion of the wharf area is to be cleared of boats, etc. The Contractor will note that fishing boats, etc. must be able to berth in the harbours during operations therefore Contractor must cooperate with boats and activities in the harbours. No compensation will be paid to Contractor for loss of time or any other as a result of activities in each harbour.

1.6 SETTING OUT WORK.

- .1 Do all detail surveys necessary for the work, including locating and maintaining working points, and establishing lines and elevations. Perform all layout work, and carefully preserve benchmarks, reference points and stakes.
- .2 Provide such masts, scaffolds, batter boards, lines, straight edges, templates and other devices as may be necessary to facilitate layout, construction and inspection of the work. Whenever necessary, suspend work for such reasonable time as may be necessary to permit the Departmental Representative to check or inspect any portion of the work. The contractor will not be allowed any extra compensation or time for completion because of this suspension of work.
- .3 Elevations for various grades and features of the specified works to be referenced and properly related to a benchmark, which will be

1.6 SETTING OUT WORK.3
(Cont'd)

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approved by the Departmental Representative if required.

- .4 Verify all grades, lines, levels, and dimensions shown on the drawings and report any errors or inconsistencies to the Departmental Representative before commencing work. Establish all other grades, lines, levels required to facilitate the work.

1.7 CONTRACT
DOCUMENTS

- .1 Contract Documents:
 - .1 Standard drawings for some work consist of all drawings listed in these "Plans and Specifications" and any additional drawings issued at a later date by the Departmental Representative.
 - .2 Departmental Representative may furnish additional drawings to assist in proper execution of work.
 - .3 The drawings indicate the extent and general dimensions of the work. Make all necessary measurements to ensure that the result of the work is in accordance with the intent.
 - .4 Verify all existing conditions in field prior to proceeding with work.
- .2 Contract Specifications:
 - .1 The general requirements and technical specifications are written solely for the General Contractor. They are organized into the NMS format of separate divisions and sections.
- .3 Maintain at job site, one copy each of the following:
 - .1 Contract Drawings
 - .2 Specifications
 - .3 Addenda
 - .4 Other modifications to Contract
 - .5 Permits and approvals
 - .6 Environmental Protection Plan
 - .7 A copy of the construction safety plan.
 - .8 Copy of New Brunswick Occupational Health and Safety Act.

1.8 PERMITS AND
REGULATIONS

- .1 Apply for, obtain and pay for all necessary permits, approval and other authorizations required for the work.
- .2 Comply with all by-laws, ordinances and regulations of all authorities having jurisdiction.
- .3 Pay for any Municipal permits.

1.9 DATUM

- .1 All elevations shown on drawings submitted at the time of the call-up, or mentioned in the specifications are expressed in "Metres" and are referred to chart datum or Low Normal Tide (L.N.T.) which is taken as elevation 0.0 metre.

1.10 WORKERS
COMPENSATION

- .1 Contractor and all sub-contractors must be registered under the Workers Compensation Act and provide evidence of good standing.

1.11 LAWS, STANDARDS,
TAXES and FEES

- .1 Comply with all laws and standards governing all or any part of the work, pay all applicable taxes and pay for all permits and certificates required in respect of the execution of the work. Where variances exist between the requirements of agencies governing all or any part of the work, the most restrictive will govern, but in no instance will the standards established by the drawings and this Specification, which exceed such requirements, be reduced.

1.12 PROTECTION
AND REPAIR

- .1 Repair any damage resulting from operations under this contract.

1.13 DISPOSAL OF
DEBRIS

- .1 Debris, including construction materials not incorporated in the work, oil products and containers, and other materials of this nature will be disposed of in suitable locations of
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1.13 DISPOSAL OF

DEBRIS

(Cont'd)

- .1 (Cont'd)
the site. Disposal is the responsibility of
the Contractor.
- .2 Material from the work will not be permitted
to go adrift to otherwise become a menace to
navigation.
- .3 Disposal of debris will be incidental to the
cost of the repairs.

1.1 DEFINITIONS

- .1 COSH: Canada Occupational Health and Safety Regulations made under Part II of the Canada Labour Code.
- .2 Competent Person: means a person who is:
 - .1 Qualified by virtue of personal knowledge, training and experience to perform assigned work in a manner that will ensure the health and safety of persons in the workplace, and;
 - .2 Knowledgeable about the provisions of occupational health and safety statutes and regulations that apply to the Work and;
 - .3 Knowledgeable about potential or actual danger to health or safety associated with the Work.
- .3 Medical Aid Injury: any minor injury for which medical treatment was provided and the cost of which is covered by Workers' Compensation Board of the province in which the injury was incurred.
- .4 PPE: personal protective equipment
- .5 Work Site: where used in this section shall mean areas, located at the premises where Work is undertaken, used by Contractor to perform all of the activities associated with the performance of the Work.

1.2 SUBMITTALS

- .1 Make submittals in accordance with Section 01 33 00.
 - .2 Submit site-specific Health and Safety Plan prior to commencement of Work.
 - .1 Submit within five 5 work days of notification of Bid Acceptance. Provide 2 copies.
 - .2 Departmental Representative will review Health and Safety Plan and provide comments.
 - .3 Revise the Plan as appropriate and resubmit within 5 work days after receipt of comments.
 - .4 Departmental Representative's review and comments made of the Plan shall not be construed as an endorsement, approval or implied warranty of any kind by Canada and does not reduce Contractor's overall responsibility for Occupational Health and Safety of the Work.
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| 1.2 SUBMITTALS
(Cont'd) | .2 (Cont'd) | .5 Submit revisions and updates made to the Plan during the course of Work. |
| | .3 | Submit name of designated Health & Safety Site Representative and support documentation specified in the Safety Plan. |
| | .4 | Submit building permit, compliance certificates and other permits obtained. |
| | .5 | Submit copy of Letter in Good Standing from Provincial Workers Compensation or other department of labour organization.
.1 Submit update of Letter of Good Standing whenever expiration date occurs during the period of Work. |
| | .6 | Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors. |
| | .7 | Submit copies of incident reports. |
| | .8 | Submit WHMIS MSDS - Material Safety Data Sheets. |
| 1.3 COMPLIANCE
REQUIREMENTS | .1 | Comply with Occupational Health and Safety Act for Province of New Brunswick, and General Regulations made pursuant to the Act. |
| | .2 | Comply with Canada Labour Code - Part II (entitled Occupational Health and Safety) and the Canada Occupational Health and Safety Regulations (COSH) as well as any other regulations made pursuant to the Act.
.1 The Canada Labour Code can be viewed at: www.http://laws.justice.gc.ca/en/L-2/
.2 COSH can be viewed at: www.http://laws.justice.gc.ca/eng/SOR-86-304/ne.html
.3 A copy may be obtained at: Canadian Government Publishing Public Works & Government Services Canada Ottawa, Ontario, K1A 0S9 Tel: (819) 956-4800 (1-800-635-7943) Publication No. L31-85/2000 E or F) |
| | .3 | Observe construction safety measures of:
.1 Part 8 of National Building Code
.2 Municipal by-laws and ordinances. |

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| <u>1.3 COMPLIANCE
REQUIREMENTS
(Cont'd)</u> | .4 | In case of conflict or discrepancy between above specified requirements, the more stringent shall apply. |
| | .5 | Maintain Workers Compensation Coverage in good standing for duration of Contract. Provide proof of clearance through submission of Letter in Good Standing. |
| | .6 | Medical Surveillance: Where prescribed by legislation or regulation, obtain and maintain worker medical surveillance documentation. |
| <u>1.4 RESPONSIBILITY</u> | .1 | Be responsible for health and safety of persons on site, safety of property on site and for protection of persons and environment adjacent to the site to extent that they may be affected by conduct of Work. |
| | .2 | Comply with and enforce compliance by all workers, sub-contractors and other persons granted access to Work Site with safety requirements of Contract Documents, applicable federal, provincial, and local by-laws, regulations, and ordinances, and with site-specific Health and Safety Plan. |
| <u>1.5 SITE CONTROL
AND ACCESS</u> | .1 | Control the Work and entry points to Work Site. Approve and grant access only to workers and authorized persons. Immediately stop and remove non-authorized persons.
.1 Departmental Representative will provide names of those persons authorized by Departmental Representative to enter onto Work Site and will ensure that such authorized persons have the required knowledge and training on Health and Safety pertinent to their reason for being at the site, however, Contractor remains responsible for the health and safety of authorized persons while at the Work Site. |
| | .2 | Isolate Work Site from other areas of the premises by use of appropriate means.
.1 Erect fences, hoarding, barricades and temporary lighting as required to effectively delineate the Work Site, stop non-authorized entry, and to protect pedestrians and vehicular traffic around and adjacent to the Work and create a safe environment. |
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1.5 SITE CONTROL
AND ACCESS
(Cont'd)

- .2 (Cont'd)
 - .2 Post signage at entry points and other strategic locations indicating restricted access and conditions for access.
 - .3 Use professionally made signs with bilingual message in the 2 official languages or international known graphic symbols.
- .3 Provide safety orientation session to persons granted access to Work Site. Advise of hazards and safety rules to be observed while on site.
- .4 Ensure persons granted site access wear appropriate PPE. Supply PPE to inspection authorities who require access to conduct tests or perform inspections.
- .5 Secure Work Site against entry when inactive or unoccupied and to protect persons against harm.

1.6 PROTECTION

- .1 Give precedence to safety and health of persons and protection of environment over cost and schedule considerations for Work.
- .2 Should unforeseen or peculiar safety related hazard or condition become evident during performance of Work, immediately take measures to rectify situation and prevent damage or harm. Advise Departmental Representative verbally and in writing.

1.7 FILING OF
NOTICE

- .1 File Notice of Project with pertinent provincial health and safety authorities prior to beginning of Work.
 - .1 Departmental Representative will assist in locating address if needed.

1.8 PERMITS

- .1 Post permits, licenses and compliance certificates.
 - .2 Where a particular permit or compliance certificate cannot be obtained, notify Departmental Representative in writing and obtain approval to proceed before carrying out applicable portion of work.
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1.9 HAZARD
ASSESSMENTS

- .1 Perform site specific health and safety hazard assessment of the Work and its site.
- .2 Carryout initial assessment prior to commencement of Work with further assessments as needed during progress of work, including when new trades and subcontractors arrive on site.
- .3 Record results and address in Health and Safety Plan.
- .4 Keep documentation on site for entire duration of the Work.

1.10 PROJECT/SITE
CONDITIONS

- .1 Following are potential health, environmental and safety hazards at the site for which Work may involve contact with:
- .2
 - .1 Existing hazardous and controlled products stored on site:
 - .1 none identified
 - .2 Existing hazardous substances or contaminated materials:
 - .1 none identified
 - .3 Known latent site and environmental conditions:
 - .1 Working near and over water.
 - .2 Cold weather and exposure.
 - .3 Public access to the site.
 - .4 Heavy Equipment.
 - .5 Working with lights.
 - .6 Load losses Roll overs.
 - .4 Facility on-going operations:
 - .1 none identified
- .3 Above items shall not be construed as being complete and inclusive of potential health and safety hazards encountered during Work.
- .4 Include above items in the hazard assessment of the Work.
- .5 MSDS Data sheets of pertinent hazardous and controlled products stored on site can be obtained from Departmental Representative.

1.11 MEETINGS

- .1 Attend pre-construction health and safety meeting, convened and chaired by Departmental Representative, prior to commencement of Work, at time, date and location determined by Departmental Representative. Ensure attendance of:
 - .1 Superintendent of Work
 - .2 Designated Health & Safety Site Representative
 - .3 Subcontractors
- .2 Conduct regularly scheduled tool box and safety meetings during the Work in conformance with Occupational Health and Safety regulations.
- .3 Keep documents on site.

1.12 HEALTH AND
SAFETY PLAN

- .1 Prior to commencement of Work, develop written Health and Safety Plan specific to the Work. Implement, maintain, and enforce Plan for entire duration of Work and until final demobilization from site.
- .2 Health and Safety Plan shall include the following components:
 - .1 List of health risks and safety hazards identified by hazard assessment.
 - .2 Control measures used to mitigate risks and hazards identified.
 - .3 On-site Contingency and Emergency Response Plan as specified below.
 - .4 On-site Communication Plan as specified below.
 - .5 Name of Contractor's designated Health & Safety Site Representative and information showing proof of his/her competence and reporting relationship in Contractor's company.
 - .6 Names, competence and reporting relationship of other supervisory personnel used in the Work for occupational health and safety purposes.
- .3 On-site Contingency and Emergency Response Plan shall include:
 - .1 Operational procedures, evacuation measures and communication process to be implemented in the event of an emergency.
 - .2 Evacuation Plan: site and floor plan layouts showing escape routes, marshalling areas. Details on alarm notification methods,

1.12 HEALTH AND
SAFETY PLAN
(Cont'd)

- .3 (Cont'd)
 - .2 Evacuation Plan:(Cont'd)
fire drills, location of fire fighting
equipment and other related data.
 - .3 Name, duties and responsibilities of
persons designated as Emergency Warden(s) and
deputies.
 - .4 Emergency Contacts: name and telephone
number of officials from:
 - .1 General Contractor and
subcontractors.
 - .2 Pertinent Federal and Provincial
Departments and Authorities having
jurisdiction.
 - .3 Local emergency resource
organizations.
 - .5 Harmonize Plan with Facility's Emergency
Response and Evacuation Plan. Departmental
Representative will provide pertinent data
including name of PWGSC and Facility
Management contacts.
 - .4 On-site Communication Plan:
 - .1 Procedures for sharing of work related
safety information to workers and
subcontractors, including emergency and
evacuation measures.
 - .2 List of critical work activities to be
communicated with Facility Manager which have
a risk of endangering health and safety of
Facility users.
 - .5 Address all activities of the Work including
those of subcontractors.
 - .6 Review Health and Safety Plan regularly
during the Work. Update as conditions warrant
to address emerging risks and hazards, such as
whenever new trade or subcontractor arrive at
Work Site.
 - .7 Departmental Representative will respond in
writing, where deficiencies or concerns are
noted and may request re-submission of the
Plan with correction of deficiencies or
concerns.
 - .8 Post copy of the Plan, and updates,
prominently on Work Site.
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1.13 SAFETY
SUPERVISION

- .1 Employ Health & Safety Site Representative responsible for daily supervision of health and safety of the Work.
- .2 Health & Safety Site Representative may be the Superintendent of the Work or other person designated by Contractor and shall be assigned the responsibility and authority to:
 - .1 Implement, monitor and enforce daily compliance with health and safety requirements of the Work
 - .2 Monitor and enforce Contractor's site-specific Health and Safety Plan.
 - .3 Conduct site safety orientation session to persons granted access to Work Site.
 - .4 Ensure that persons allowed site access are knowledgeable and trained in health and safety pertinent to their activities at the site or are escorted by a competent person while on the Work Site.
 - .5 Stop the Work as deemed necessary for reasons of health and safety.
- .3 Health & Safety Site Representative must:
 - .1 Be qualified and competent person in occupational health and safety.
 - .2 Have site-related working experience specific to activities of the Work.
 - .3 Be on Work Site at all times during execution of the Work.
- .4 All supervisory personnel assigned to the Work shall also be competent persons.
- .5 Inspections:
 - .1 Conduct regularly scheduled safety inspections of the Work on a minimum bi-weekly basis. Record deficiencies and remedial action taken.

1.14 TRAINING

- .1 Use only skilled workers on Work Site who are effectively trained in occupational health and safety procedures and practices pertinent to their assigned task.
- .2 Maintain employee records and evidence of training received. Make data available to Departmental Representative upon request.
- .3 When unforeseen or peculiar safety-related hazard, or condition occur during performance of Work, follow procedures in place for

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| <u>1.14 TRAINING
(Cont'd)</u> | .3 | (Cont'd)
Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing. |
| <u>1.15 MINIMUM
SITE SAFETY RULES</u> | .1 | Not withstanding requirement to abide by federal and provincial health and safety regulations; ensure the following minimum safety rules are obeyed by persons granted access to Work Site:
.1 Wear appropriate PPE pertinent to the Work or assigned task; minimum being hard hat, safety footwear, safety glasses and hearing protection.
.2 Immediately report unsafe condition at site, near-miss accident, injury and damage.
.3 Maintain site and storage areas in a tidy condition free of hazards causing injury.
.4 Obey warning signs and safety tags. |
| | .2 | Brief persons of disciplinary protocols to be taken for non compliance. Post rules on site. |
| <u>1.16 CORRECTION OF
NON-COMPLIANCE</u> | .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 will stop Work if non-compliance of health and safety regulations is not corrected in a timely manner. |
| <u>1.17 INCIDENT
REPORTING</u> | .1 | Investigate and report the following incidents to Departmental Representative:
.1 Incidents requiring notification to Provincial Department of Occupational Safety and Health, Workers Compensation Board or to other regulatory Agency.
.2 Medical aid injuries.
.3 Property damage in excess of \$10,000.00, |
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| <u>1.17 INCIDENT
REPORTING
(Cont'd)</u> | .1 | (Cont'd)
.4 Interruptions to Facility operations
resulting in an operational lost to a Federal
department in excess of \$5000.00. |
| | .2 | Submit report in writing. |
| <u>1.18 HAZARDOUS
PRODUCTS</u> | .1 | Comply with requirements of Workplace
Hazardous Materials Information System
(WHMIS). |
| | .2 | Keep MSDS data sheets for all products
delivered to site.
.1 Post on site.
.2 Submit copy to Departmental
Representative. |
| <u>1.19 BLASTING</u> | .1 | Blasting or other use of explosives is not
permitted on site without prior receipt of
written permission and instructions from
Departmental Representative. |
| <u>1.20 POWDER ACTUATED
DEVICES</u> | .1 | Use powder actuated fastening devices only
after receipt of written permission from
Departmental Representative. |
| <u>1.21 CONFINED
SPACES</u> | .1 | Abide by occupational health and safety
regulations regarding work in confined spaces. |
| <u>1.22 SITE RECORDS</u> | .1 | Maintain on Work Site copy of safety related
documentation and reports stipulated to be
produced in compliance with Acts and
Regulations of authorities having jurisdiction
and of those documents specified herein. |
| | .2 | Upon request, make available to Departmental
Representative or authorized Safety Officer
for inspection. |
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1.23 POSTING OF
DOCUMENTS

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on Work Site in accordance with Acts and Regulations of Province having jurisdiction.
- .2 Post other documents as specified herein, including:
 - .1 Site specific Health and Safety Plan.
 - .2 WHMIS data sheets.

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| <u>1.1 RELATED WORK</u> | .1 | Waste Management and Disposal: Section 01 74 21. |
| <u>1.2 DEFINITIONS</u> | .1 | Hazardous Material: Product, substance, or organism that is used for its original purpose; and that is either dangerous goods or a material that may cause adverse impact to the environment or adversely affect health of persons, animals, or plant life when released into the environment. |
| <u>1.3 FIRES</u> | .1 | Fires and burning of rubbish on site not permitted. |
| <u>1.4 HAZARDOUS MATERIAL HANDLING</u> | .1 | Store and handle hazardous materials in accordance with applicable federal and provincial laws, regulations, codes and guidelines. Store in location that will prevent spillage into the environment |
| | .2 | Label containers to WHMIS requirements and keep MSDS data sheets on site for all hazardous materials. |
| | .3 | Maintain inventory of hazardous materials and hazardous waste stored on site. List items by product name, quantity and date when storage began. |
| | .4 | Store and handle flammable and combustible materials in accordance with National Fire Code. |
| | .5 | Transport hazardous materials in accordance with federal Transportation of Dangerous Goods Regulations and applicable Provincial regulations. |
| <u>1.5 DISPOSAL OF WASTES</u> | .1 | Do not bury or burn rubbish and waste materials on site. Dispose in accordance with project waste management requirements. |
| | .2 | Do not dispose of hazardous waste or volatile materials, such as mineral spirits, paints, thinners, oil or fuel into waterways, storm or sanitary sewers or waste landfill sites. |
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1.5 DISPOSAL OF
WASTES

(Cont'd)

- .3 Treated wood is either salvaged for reuse or disposed at regional land fill site.

1.6 DRAINAGE

- .1 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with governing regulations and requirements.

1.7 WORK ADJACENT
TO WATERWAYS

- .1 Do not dump excavated fill, waste material or debris in waterways.
- .2 Do not skid logs or construction materials across waterways.
- .3 Do not refuel any type of equipment within 100 meters of a water body. Maintain equipment in good working condition with no fluid leaks, loose hoses or fittings.

1.8 EROSION AND
SEDIMENT CONTROL

- .1 Provide and maintain temporary measures which include silt fences and any other construction required to prevent migration of silt, mud, sediment and other debris off construction, dredging and dredged spoil disposal sites or to other areas of site where damage might result or that might otherwise be required by Laws and Regulations.
- .2 Silt fence: an assembled, ready to install unit consisting of geotextile attached to driveable posts with floating devices on top and weights on the bottom. Geotextile shall be uniform in texture and appearance, having no defects, flaws or tears that would affect its physical properties and contains sufficient ultraviolet ray inhibitor and stabilizers to provide a minimum 2 years service life from outdoor exposure.
- .3 In event of damage, promptly take action to mitigate effects. Restore affected erosion control devices.
- .4 Installation:
 - .1 Construct temporary sedimentation control as required. Actual alignment and / or

1.8 EROSION AND
SEDIMENT CONTROL
(Cont'd)

- .4 Installation:(Cont'd)
 - .1 (Cont'd)
location of various items as approved by.
Departmental Representative.
 - .2 check sediment control measures daily.
 - .3 Prior to or during construction,
Departmental Representative may require the
installation or construction of improvements
to prevent or correct temporary conditions on
site. Temporary improvement must remain in
place and in operation as necessary or until
otherwise directed by Departmental
Representative.
 - .4 Unless indicated or directed by
Departmental Representative, remove temporary
sediment control devices upon completion of
Work. Materials once removed become property
of the contractor.

1.9 POLLUTION
CONTROL

- .1 Maintain temporary erosion and pollution
control features installed under this
Contract.
- .2 Control emissions from equipment and plant to
local authorities emission requirements.
- .3 Have appropriate emergency spill response
equipment and rapid clean-up kit on site
located adjacent to hazardous materials
storage area. Provide personal protective
equipment required for clean-up.
- .4 Report, spills of petroleum and other
hazardous materials as well as accidents
having potential of polluting the environment
to Federal and Provincial Department of the
Environment.
 - .1 Notify Departmental Representative and
submit a written spill report to Departmental
Representative within 24 hours of occurrence.

1.10 WILDLIFE
PROTECTION

- .1 Should nests of migratory birds in wetlands
be encountered during work, immediately notify
Departmental Representative for directives to
be followed.
 - .1 Do not disturb nest site and
neighbouring vegetation until nesting is
completed.
 - .2 Minimize work immediately adjacent to
such areas until nesting is completed.
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1.10 WILDLIFE
PROTECTION
(Cont'd)

- .1 (Cont'd)
.3 Protect these areas by following
recommendations of Canadian Wildlife Service.

1.1 INSPECTION

- .1 Give timely notice requesting inspection of Work designated for special tests, inspections or approvals by Departmental Representative or by inspection authorities having jurisdiction.
- .2 In accordance with the General Conditions, Departmental Representative may order any part of Work to be examined if Work is suspected to be not in accordance with Contract Documents.
- .3 If Contractor covers or permits to be covered Work designated for special tests, inspections or approvals before such is made, uncover Work until particular inspections or tests have been fully and satisfactorily completed and until such time as Departmental Representative gives permission to proceed.
- .4 Pay costs to uncover and make good work disturbed by inspections and tests.

1.2 TESTING

- .1 Tests on materials as specified in various sections of the Specifications is the responsibility of the Departmental Representative except where stipulated otherwise.
- .2 Unspecified tests may also be made by Departmental Representative, at the discretion of the Departmental Representative. The costs of these tests will be paid for by the Department.
- .3 Where tests or inspections reveal work not in accordance with contract requirements, Contractor shall pay costs for additional tests and inspections incurred by Departmental Representative as required to verify acceptability of corrected work.

1.3 INDEPENDENT
INSPECTION AGENCIES

- .1 Departmental Representative may engage and pay for service of Independent Inspection and Testing Agencies for purpose of inspecting and testing portions of Work except for the following which remain part of Contractor's responsibilities:
 - .1 Inspection and testing required by laws, ordinances, rules, regulations or orders of public authorities.

1.3 INDEPENDENT
INSPECTION AGENCIES
(Cont'd)

- .1 (Cont'd)
- .2 Inspection and testing performed exclusively for Contractor's convenience.
- .3 Tests as specified within various sections designated to be carried out by Contractor under the supervision of Departmental Representative.
- .2 Provide sufficient advance notice to Departmental Representative of time when the Work will be ready for testing by designated Testing Agency in order for Departmental Representative to make attendance arrangements with such Agency. When directed by Departmental Representative notify the Agency directly.
- .3 When specified or directed, submit representative samples of materials, in required quantities, to Testing Agency for testing purposes. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in Work.
- .4 Provide labour and facilities to obtain, handle and deliver samples.
- .5 Provide sufficient space on site for Testing Agency's exclusive use to store equipment and cure test samples.
- .6 Employment of Independent Inspection and Testing Agencies by Departmental Representative does not relax responsibility to perform Work in accordance with Contract Documents.

1.4 ACCESS TO WORK

- .1 Facilitate Departmental Representative's access to Work. If part of Work is being fabricated at locations other than construction site, make preparations to allow access to such Work whenever it is in progress.
- .2 Furnish labour and facility to provide access to the work being inspected and tested.
- .3 Co-operate to facilitate such inspections and tests.

- 1.5 REJECTED WORK
- .1 Remove and replace defective Work, whether result of poor workmanship, use of defective or damaged products and whether incorporated in Work or not, which has been identified by Departmental Representative as failing to conform to Contract Documents.
 - .2 Make good damages to new and existing subtrades and finishes resulting from removal or replacement of defective work.

1.1 GENERAL

- .1 Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
- .2 Store volatile waste in covered metal containers, and remove from premises at end of each working day.

1.2 CLEANING DURING CONSTRUCTION

- .1 Maintain work site in a tidy condition, free from accumulations of waste material and debris. Clean areas on a daily basis.
- .2 Provide on-site containers for collection of waste materials and debris.
- .3 Use separate collection bins, clearly marked as to purpose, for source separation and recycling of waste and debris in accordance with waste management requirements specified.
- .4 Remove waste materials, and debris from site on a daily basis.

1.3 FINAL CLEANING

- .1 In preparation for acceptance of the project on an interim or final certificate of completion perform final cleaning.
- .2 Broom clean and wash exterior paved surfaces and walks; rake clean other surfaces of grounds.
- .3 Ensure work site and adjacent access and wharf structures are returned to pre-construction conditions.

- 1.1 RELATED WORK .1 Environment Procedures: Section 01 35 43
- 1.2 GENERAL .1 Carry out work placing maximum emphasis on the areas of:
- .1 Waste reduction;
 - .2 Diversion of waste from landfill and;
 - .3 Material Recycling.
- 1.3 WASTE REDUCTION .1 Develop waste reduction strategy for work.
- .2 Structure program to prioritize actions, with waste reduction as first priority, followed by salvage and recycling effort, then disposal as solid waste.
- .3 Identify materials and equipment to be:
- .1 Salvaged for resale by Contractor.
 - .2 Sent to recycling facility.
 - .3 Sent to waste processing/landfill site for their recycling effort
 - .4 Disposed of in approved landfill site.
- .4 Reduce construction waste during installation work. Undertake practices which will minimize waste and optimize full use of new materials on site, such as:
- .1 Use of a central cutting area to allow for easy access to off-cuts and clean up of saw dust.
 - .2 Use of cut-offs for blocking and bridging elsewhere.
 - .3 Use of effective and strategically placed facilities on site for storage and staging of left-over or partially cut materials (such as plywood, dimension timber, etc...) to allow for easy incorporation into work whenever possible avoiding unnecessary waste.
- .5 Develop other strategies and innovative procedures to reduce waste.
- 1.4 MATERIAL SOURCE SEPARATION PROCESS .1 Develop and implement material source separation process at commencement of work as part of mobilization and waste management at site.
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- 1.4 MATERIAL SOURCE SEPARATION PROCESS (Cont'd)
- .2 Provide on-site facilities to collect, handle and store anticipated quantities of reusable, salvageable and recyclable materials.
 - .3 Establish methods whereby hazardous and toxic waste materials, and their containers, encountered or used in the course work are properly isolated, stored on site and disposed in accordance with applicable laws and regulations from authorities having jurisdiction.
- 1.5 DISPOSAL REQUIREMENTS
- .1 Dispose of waste only at approved waste processing facility or approved landfill sites by authority having jurisdiction.
 - .2 Contact the authority having jurisdiction prior to commencement of work, to determine what, if any construction waste materials have been banned from disposal in landfills. Take appropriate action to isolate such banned materials at site of work and dispose in strict accordance with provincial and municipal regulations.
 - .3 Collect, bundle and transport salvaged materials to be recycled in separated categories and condition as directed by recycling facility. Ship materials only to approved recycling facilities.
 - .4 Sale of salvaged items by Contractor to other parties not permitted on site.
- 1.6 REMOVAL
- .1 Remove in their entirety all materials and objects specified for removal including all fastenings. Carefully remove materials designated to be reused.