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- 1 General .1 Work under this Standing Offer Agreement consists of the furnishing of all plant, labour, equipment and materials for Sand Trap maintenance at Pointe Sapin, NB for two (2) year period between January 2015 and March 2017.
- .2 The work also includes parking and road cleaning with a power broom and the installation and management of sand fencing. These items are primarily for Pointe Sapin but may be used in other parts of the South East New Brunswick Small Craft Harbour facilities and adjacent coast lines where required.
- 2 Familiarization with Site .1 All bidders, before submitting their tender, shall inspect and examine the site and its surroundings and shall satisfy themselves as to the form and nature of the work and materials necessary for the completion of the works, the means of access to the site, the temporary facilities they may require, and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. No allowance shall be made subsequently in this connection on account of error or negligence to properly observe and determine the conditions that will apply.
- 3 Codes and Standards .1 Perform work in accordance with the 2005 National Building Code of Canada, 2010 National Fire Code of Canada and any other code of provincial or local application including all amendments up to project 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.
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- 4 Preward meeting .1 Within four (4) days after the tenders have been closed, a pre-award meeting will be held with the low bidder to review his proposed method of completing the work.
- .2 At the meeting the Contractor will be required to submit the following information to the department for review and approval:
- .1 Methodology of work: Based on areas infilled at the time of construction, the Contractor is to provide details of equipment, trucks, excavators, access to teh Sand Trap and and sand bypass site.
- 5 Work Schedule .1 Call ups are made as and when required to remove sand from the Sand Trap. Due to limitations on the access to beaches and parking areas, sand excavation will limited to December, January, February and March. Fence installation/removal can be carried out only from September to early April. Power sweeping would called up any time April to October.
- .2 Upon receipt of the Call up, submit within seven (7) days of notification of the call up a schedule showing commencement and completion of the work listed under the call up. The schedule shall be in a format acceptable to Departmental Representative and be sufficiently detailed to allow the Departmental Representative and the Contractor to plan, monitor and coordinate tasks and resources efficiently to achieve completion of the work on time.
- 6 Measurement for Payment .1 The items for payment in this contract are:
- .1 **Sand Bypassing - Mobilization and Demobilization** - Section 35 20 24
- .2 **Sand Bypassing** - Section 35 20 24
- .3 **Excavator time** - Section 35 20 24
- .4 **Install New Sand Fence** - Section 32 31 27
- .5 **Install Salvaged Sand Fence** - Section 32 31 27
- .6 **Remove Sand Fence** - Section 32 31 27
- .7 **Sweeping Parking Lot and Approach roads** - Section 01 74 11
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- 7 Documents .1 Maintain at job site, one copy each of following:
- .1 Contract Drawings and drawings issued at Call ups
  - .2 Specifications
  - .3 Addenda
  - .4 Other modifications to Contract
  - .5 Copy of Approved Work Schedule
  - .6 Site Specific Health and Safety Plan
  - .7 Copy of the New Brunswick Occupational Health and Safety Act.
  - .8 Permits.
- 8 Datum .1 All elevations shown on plans submitted 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.
- 9 Contractor's Use of Site .1 The Contractor's use of site is limited to the areas as shown on the plan.
- .2 On site storage by the Contractor is restricted to the designated locations. The Contractor is to arrange and pay for storage areas on site with the Harbour Authority.
  - .3 Harbour Authority contact is Don Gaudet (506) 876 2072. If there is a problem contacting the HA, refer questions to Departmental Representative.
- 10 Project Meetings .1 Departmental Representative will arrange project meetings and assume responsibility for setting times and recording minutes.
- .2 Contractor's Superintendent shall accompany General Contractor and be present at all project meetings.
- 11 Permits .1 Obtain and pay for building permit and any other permits and certificates as required by municipal or local authority. PWGSC has or will receive before construction a Quarry
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- 11 Permits .1 (Cont'd)  
(Cont'd)
- Permit, and authorization to move material from the site to the private land disposal site at the adjacent property.
- .2 Provide appropriate notifications of project to municipal and provincial inspection authorities. Obtain electrical compliance certificates as prescribed by the provincial and municipal authorities.
- 12 Protection of Existing Services .1 It will be the responsibility of the Contractor to become fully acquainted with the existing services and facilities and protect them during the construction.
- .2 The Contractor will immediately restore any existing service disrupted as a result of his operations at no cost to the Departmental Representative.
- .3 The Contractor will be responsible for any damage to access roads should the Contractor chose to delay the work to a period when roads cannot support heavy loads.
- 13 Acceptance .1 At completion of project, in company with the Departmental Representative, make a check of all work and correct all discrepancies and defects.

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|-------------------------------------|----|---|
| <u>1</u> <u>General</u>             | .1 | Submit to Departmental Representative, for review, shop drawings, product data and samples specified.   |
|                                     |    |   |
| <u>2</u> <u>Shop Drawings</u>       | .1 | Drawings to be originals prepared by Contractor, subcontractor, supplier or distributor, which illustrates appropriate portion of work, showing fabrication, layout, setting or erection details as specified in the appropriate sections.                                    |
|                                     | .2 | Identify details by reference to sheet and detail numbers shown on contract drawings.   |
|                                     | .3 | Maximum sheet size: 850 mm x 1120 mm.   |
|                                     | .4 | Reproductions for submission: opaque diazo print.   |
|                                     |    |   |
| <u>3</u> <u>Product Data</u>        | .1 | Certain specification sections specify that manufacturer's standard schematic drawings, catalogue sheets, diagrams, schedules, performance charts, illustrations and other standard descriptive data will be accepted in lieu of shop drawings.                               |
|                                     | .2 | Above will only be accepted if they conform to the following:<br>.1 Delete information which is not applicable to this project.<br>.2 Supplement standard information to provide additional information applicable to project.<br>.3 Show dimensions and clearances required. |
|                                     |    |   |
| <u>4</u> <u>Samples and Mockups</u> | .1 | Submit samples in sizes and quantities specified.   |
|                                     | .2 | Where colour, pattern or texture is criterion, submit full range of samples.  |
|                                     | .3 | Construct each sample or mockup complete, including work of all trades required to finish work.   |
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4 Samples and  
Mockups  
(Cont'd)

- .4 Construct field samples and mockups at locations acceptable to Departmental Representative.
- .5 Reviewed samples or mockups will become standards of workmanship and material against which installed work will be checked on project.

5 Co-ordination of  
Submissions

- .1 Review shop drawings and product data prior to submission:
- .2 Verify:
  - .1 Field measurements.
  - .2 Field construction criteria.
  - .3 Catalogue numbers and similar data.
- .3 Co-ordinate each submission with requirements of work and contract documents.
- .4 Contractor's responsibility for errors and omissions in submission is not relieved by Departmental Representative's review of submittals.
- .5 Contractor's responsibility for deviations in submission from requirements of contract document is not relieved by Departmental Representative's review of submission unless Departmental Representative given written acceptance of specified deviations.
- .6 Notify Departmental Representative, in writing, at time of submission of deviations from requirements of contract documents.
- .7 After Departmental Representative's review, distribute copies.

6 Submission  
Requirements

- .1 Schedule submissions at least seven (7) days before dates reviewed submissions will be needed.
- .2 Submit number of opaque diazo copies of shop drawings, product data which Contractor requires for distribution plus four (4) copies which will be retained by Departmental Representative.

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6 Submission Requirements  
(Cont'd)

- .3 Accompany submissions with transmittal letter, in duplicate, containing:
  - .1 Data.
  - .2 Project title and number.
  - .3 Contractor's name and address.
  - .4 Number of each shop drawings, product data and sample submitted.
  - .5 Other pertinent data.
  
- .4 Submissions shall include:
  - .1 Original and/or revision dates.
  - .2 Project title and number.
  - .3 Name of:
    - .1 Contractor
    - .2 Subcontractor
    - .3 Supplier
    - .4 Manufacturer
    - .5 Separate detail
  - .4 Identification of product or material.
  - .5 Relation to adjacent structure or materials.
  - .6 Field dimensions, clearly identified as such.
  - .7 Specification Section number.
  - .8 Applicable standards, such as CSA or CGSB Numbers.
  - .9 Contractor's stamp, initialed or signed, certifying review of submission, verification of field measurements and compliance with Contract documents.

7 Shop Drawings Review

- .1 Review of shop drawings by Public Works and Government Services Canada or its authorized consultant is for the sole purpose of ascertaining confirmation with the general concept. This review shall not mean that Public Works and Government Services Canada approves the detail design inherent in the shop drawings, responsibility for which shall remain with Contractor submitting same, and such review shall not relieve Contractor of responsibility for errors or omission in the shop drawings or of responsibility for meeting all requirements of the construction and contract documents. Without restricting the generality of the foregoing, the Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to the fabrication process or to techniques of construction and

7 Shop Drawings .1 (Cont'd)  
Review installation and for co-ordination of work of  
(Cont'd) all sub-trades.

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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/](http://laws.justice.gc.ca/en/L-2/)
    - .2 COSH can be viewed at:  
[www.http://laws.justice.gc.ca/eng/SOR-86-304/n\\_e.html](http://laws.justice.gc.ca/eng/SOR-86-304/n_e.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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1.3 COMPLIANCE  
REQUIREMENTS  
(Cont'd)

- .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.

1.4 RESPONSIBILITY

- .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.

1.5 SITE CONTROL  
AND ACCESS

- .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

1.5 SITE CONTROL  
AND ACCESS  
(Cont'd)

- .2 (Cont'd)
  - .1 (Cont'd)  
vehicular traffic around and adjacent to the Work and create a safe environment.
  - .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

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- 1.8 PERMITS (Cont'd) .2 (Cont'd)  
obtain approval to proceed before carrying out applicable portion of work.
- 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.
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1.10 PROJECT/SITE  
CONDITIONS  
(Cont'd)

.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.

1.12 HEALTH AND  
SAFETY PLAN  
(Cont'd)

- .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, 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.

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1.12 HEALTH AND  
SAFETY PLAN  
(Cont'd)

- .8 Post copy of the Plan, and updates,  
prominently on Work Site.

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.

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- 1.14 TRAINING  
(Cont'd)
- .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 Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing.
- 1.15 MINIMUM  
SITE SAFETY RULES
- .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.
- 1.16 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 will stop Work if non-compliance of health and safety regulations is not corrected in a timely manner.
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- 1.17 INCIDENT REPORTING .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,  
.4 Interruptions to Facility operations resulting in an operational lost to a Federal department in excess of \$5000.00.
- .2 Submit report in writing.
- 1.18 HAZARDOUS PRODUCTS .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.
- 1.19 BLASTING .1 Blasting or other use of explosives is not permitted on site without prior receipt of written permission and instructions from Departmental Representative.
- 1.20 POWDER ACTUATED DEVICES .1 Use powder actuated fastening devices only after receipt of written permission from Departmental Representative.
- 1.21 CONFINED SPACES .1 Abide by occupational health and safety regulations regarding work in confined spaces.
- 1.22 SITE RECORDS .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.
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- 1.22 SITE RECORDS (Cont'd) .2 Upon request, make available to Departmental Representative or authorized Safety Officer for inspection.
- 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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1 REFERENCES

- .1 WHMIS: Workplace Hazardous Materials Information System, Health Canada.
- .2 Transportation of Dangerous Goods Act. Transport Canada, updated 2008-02-21.
- .3 Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters, Department of Fisheries and Oceans Canada, 1998.
- .4 MBCA: Migratory Birds Convention Act, Environment Canada, 1994.
- .5 Canadian Coast Guard Regulations, Department of Fisheries and Oceans Canada.
- .6 Canadian Shipping Act, Transport Canada, 2001.
- .7 AWWPA: American Wood Preserver Association

2 DEFINITIONS

- .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.
  - .2 Wetlands: land where the water table is at, near or above the surface or which is saturated for a long enough period to promote such features as wet-altered soils and water tolerant vegetation. Wetlands include organic wetlands or "peatlands," and mineral wetlands or mineral soil areas that are influenced by excess water but produce little or no peat
  - .3 Watercourse: refers to the bed and shore of a river, stream, lake, creek, pond, marsh, estuary or salt-water body that contains water for at least part of each year.
  - .4 Alien species: refers to a species or subspecies introduced outside its normal distribution whose establishment and spread threaten ecosystems, habitats or species with economic or environmental harm.
  - .5 Buffer zone: a vegetated land that protects watercourses from adjacent land uses. It
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2 DEFINITIONS  
(Cont'd)

- .5 Buffer zone:(Cont'd)  
refers to the land adjacent to watercourses,  
such as streams, rivers, lakes, ponds, oceans,  
and wetlands, including the floodplain and the  
transitional lands between the watercourse and  
the drier upland areas.

3 TRANSPORTATION

- .1 Transport hazardous materials and hazardous  
waste in compliance with Federal  
Transportation of Dangerous Goods Act.
- .2 Do not overload trucks when hauling material.  
Secure contents against spillage.
- .3 Maintain trucks clean and free of mud, dirt  
and other foreign matter.
- .4 Avoid potential release of contents and of  
any foreign matter onto highways, roads and  
access routes used for the Work. Take extra  
care when hauling dredged material and other  
hazardous materials. Immediately clean any  
spillage and soils.
- .5 Before commencement of work, advise the  
Departmental Representative of the existing  
roads and temporary routes proposed to be used  
to access work areas and to haul material to  
and from the site, including roads to the  
dredged disposal field.

4 HAZARDOUS  
MATERIAL HANDLING

- .1 Handle and store hazardous materials on site  
in accordance with WHMIS procedures and  
requirements.
- .2 Store all hazardous liquids in location and  
manner to prevent their spillage into the  
environment.
- .3 Maintain written inventory of all hazardous  
materials kept on site. List product name,  
quantity and storage date.
- .4 Keep MSDS data sheets on site for all items.

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5 PETROLEUM, OIL  
AND LUBRICANTS

- .1 Comply with Federal and Provincial laws, regulations, codes and guidelines for the storage of fuel and petroleum products on site.
- .2 Do not place fuel storage tanks and store fuel or other petroleum products within a 30 metre buffer zone of watercourses and wetlands. Do not fuel or lubricate equipment within this 30 metre buffer zone. Obtain approval from Departmental Representative of acceptable location on site for fuel storage and equipment service.
- .3 Do not dump petroleum products or any other deleterious substances on ground or in the water.
- .4 Be diligent and take all necessary precautions to avoid spills and contaminate the soil and water (both surface and subsurface) when handling petroleum products on site and during fueling and servicing of vehicles and equipment.
- .5 Maintain on site appropriate emergency spill response equipment consisting of at least one 250-litre (55 gallon) overpack spill kit for containment and cleanup of spills.
- .6 Maintain vehicles and equipment in good working order to prevent leaks on site.
- .7 In the event of a petroleum spill, immediately notify the Departmental Representative and the Canadian Coast Guard (CCG) at 1-800-565-1633 (24 hour report line). Perform clean-up in accordance with all regulations and procedures stipulated by authority having jurisdiction.

6 DISPOSAL OF  
WASTES

- .1 Do not bury rubbish, demolition debris and waste materials on site.
- .2 Dispose and recycle demolition debris and waste materials to Waste Facility.
- .3 Do not dispose of hazardous waste, volatile materials (such as mineral spirits, paints, thinners etc...) and petroleum products into

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- 6 DISPOSAL OF WASTES  
(Cont'd)
- .3 (Cont'd)  
waterways, storm or sanitary sewers or in waste landfill sites.
  - .4 Dispose of hazardous waste in accordance with applicable federal and provincial laws, regulations, codes and guidelines.
  - .5 Concrete waste:
    - .1 Do not discharge residual or rejected concrete on site.
    - .2 Immediately clean any accidental release of concrete on site prior to solidification.
    - .3 Do not wash and clean concrete vehicles on site.
    - .4 Perform dumping of residual material and truck cleaning operations only at the concrete plant. Follow environmental regulations and good practices as approved by the Provincial Department of the Environment and other authorities having jurisdiction.
- 7 WATER QUALITY
- .1 Conduct excavation work of a watercourse or wetland in such a manner to limit turbidity and reduce sediment suspension in the water to an absolute minimum at all times.
    - .1 Maintain appropriate production speed and momentum of the excavation equipment. Make adjustments as required and as approved by Departmental Representative.
    - .2 Strategically position excavator equipment and haul vehicles to avoid over the water swings of excavated material whenever possible.
  - .2 Where work may affect the water quality adjacent to water intake lines used by Lobster Holding Facilities, Fish Processing Facilities and other harbour users, schedule work in cooperation with the Harbour Authority as directed by Departmental Representative to minimize interference and impact to harbour users.
  - .3 Visually monitor the water turbidity of the surrounding areas adjacent to the work and up to the established dredge limit of 200 metre.
    - .1 Should excessive change occur in the turbidity beyond the dredge limit which differs from existing conditions of the surrounding water bodies, such as a distinct
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<u>7 WATER QUALITY (Cont'd)</u>	.3	(Cont'd) .1 (Cont'd) color difference; notify the Departmental Representative to obtain appropriate mitigation measures to be followed.
	.4	Water quality during suction dredging: .1 Minimize out-fall of the dredge material at the disposal site by placing the pipeline outfall at or near the water level surface. .2 Restrict vessel traffic adjacent to the disposal site to an absolute minimum to avoid the re-suspension of dredged material from propeller wash.
	.5	Water contamination by preservative treated wood: .1 Preservative treated lumber and timber, whether plant or site treated, shall be cured for a minimum of 30 days from date of the treatment application before their installation in areas which will be in contact with the water. .2 Do not cut treated wood lumber over the surface of a watercourse or wetland. .3 Do not use liquid applied preservative products over the surface of a watercourse or wetland. .4 Wood treated with Chromate Copper Arsenate (CCA) or Ammoniac Copper Zinc Arsenate (ACZA) must be CSA or AWPA approved. .5 Do not use timber and lumber treated with creosote, petroleum and pentachlorophenol for any part of the Work.
	.6	Do not washdown equipment within a 30 metre buffer zone of a wetland, watercourse or other identified environmentally sensitive area.
<u>8 SOCIOECONOMIC RESTRICTIONS</u>	.1	Abide by municipal and provincial regulations for any restrictions on work performed during the night time and on flood lighting of the site. Obtain applicable permits.
	.2	Place flood lights in opposite direction of adjacent residential and business areas.
	.3	Equip equipment and machinery with purposely designed mufflers to reduce noise on site to lowest possible level. Maintain mufflers in good operating condition at all times.

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9 BIRD AND  
BIRD HABITAT

- .1 Become knowledgeable with abide by the Migratory Birds Convention Act (MBCA) in regards to the protection of migratory birds, their eggs, nests and their young encountered on site and in the vicinity.
- .2 Minimize disturbance to all birds on site and adjacent areas during the entire course of the Work.
- .3 Do not approach concentrations of seabirds, waterfowl and shorebirds when anchoring equipment, accessing wharves or ferrying supplies.
- .4 During night time work, position flood lights in opposite direction of nearby bird nesting habitat.
- .5 Do not use beaches, dunes and other natural previously undisturbed areas of the site to conduct work unless specifically approved by the Departmental Representative.
- .6 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.
  - .3 Protect these areas by following recommendations of Canadian Wildlife Service.

10 FISH AND  
FISH HABITAT

- .1 Be aware of the risk for contamination of the fish habitat at the site as a result of alien species being introduced in the water.
- .2 To minimize the possibility of fish habitat contamination, all construction equipment which will be immersed into the water of a watercourse, or has the possibility of coming into contact with such water during the course of the work, must be cleaned and washed to ensure that they are free of marine growth and alien species.
  - .1 Equipment shall include boats, barges, cranes, excavators, haul trucks, pumps, pipe lines and other all miscellaneous tools and

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10 FISH AND  
FISH HABITAT  
(Cont'd)

- .2 (Cont'd)
  - .1 (Cont'd)  
equipment previously used in a marine environment.
- .3 Cleaning and washing of equipment shall be performed immediately upon their arrival at the site and before use in or over the body of water.
- .4 Conduct cleaning and washing operations as follows:
  - .1 Scrap and remove heavy accumulation of mud and dispose appropriately.
  - .2 Wash all surfaces of equipment by use of a pressurized fresh water supply.
  - .3 Immediately follow with application of a heavy sprayed coating of undiluted vinegar or other environmentally approved cleaning agent to thoroughly remove all plant matter, animals and sediments.
  - .4 Check and remove all plant, animal and sediment matter from the all bilges and filters.
  - .5 Drain standing water from equipment and let fully dry before use.
  - .6 Upon removal from the water, drain standing water from equipment and let fully dry before removal off the site.
- .5 Do not perform cleaning and washdown within a 30 metre buffer zone of a wetland, watercourse or other identified environmentally sensitive area.
- .6 Record of Assurance Logbook:
  - .1 Maintain an on-going log of past and present usage and washdowns of all equipment to illustrate mitigation measures undertaken against fish habitat contamination by alien species.
  - .2 Write data in a hard cover bound logbook,
  - .3 Include the following:
    - .1 Date and location where equipment was previously used in a watercourse or wetland;
    - .2 Type of work performed.
    - .3 Dates of washdown for each piece of equipment;
    - .4 Cleaning method and cleaning agent(s) used.

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10 FISH AND  
FISH HABITAT  
(Cont'd)

- .7 Keep Record of Assurance Logbook updated from project to project. Upon request, submit logbook to Departmental Representative for review.
- .8 Abide by requirements and recommendations of the Federal Department of Environment and the Department of Fisheries and Oceans - Habitat Protection and Sustainable Development Branch in cleaning and washdown of equipment.

11 AIR QUALITY

- .1 Keep airborne dust and dirt resulting from the work on site to an absolute minimum.
- .2 Apply dust control measures to roads, parking lots and work areas.
- .3 Spray surfaces with water or other environmentally approved product. Use purposely suited equipment or machinery and apply in sufficient quantity and frequency to provide effective result and continued dust control during the entire course of the work.
- .4 Do not use oil or any other petroleum products for dust control.

12 FIRES

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

PART 1 - GENERAL

- 1.1 Section Includes .1 Construction aids.  
.2 Office and sheds.  
.3 Parking.  
.4 Project identification.
- 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 Do not load or permit to load any part of Wharf or structures with a weight or force that will endanger the Work.
- 1.4 Construction Parking .1 Parking will be permitted on site provided it does not disrupt performance of Work or fishing activities.  
.2 Provide and maintain adequate access to project site.  
.3 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 Security .1 Provide and pay for responsible security personnel to guard site and contents of site after working hours and during holidays.
- 1.6 Offices .1 A Site office is required when the conducting the Sand Relocation.  
.1 Provide temporary office for Inspector.  
.2 Inside dimensions minimum 3.6 m long x 3 m wide x 2.4 m high, with floor 0.3 m above

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- 1.6 Offices (Cont'd)
- .1 (Cont'd)
    - .2 (Cont'd)  
grade, complete with 4 50% opening windows and one lockable door.
    - .3 Insulate building and provide heating system to maintain 22° C inside temperature at -20° C outside temperature.
    - .4 Finish inside walls and ceiling with plywood, hardboard or wallboard and paint in selected colours. Finish floor with 19 mm thick plywood.
    - .5 Install electrical lighting system to provide min 750 lx using surface mounted, shielded commercial fixtures with 10% upward light component.
    - .6 Equip office access to 1 x 2 m table, 4 chairs, one 3 drawer filing cabinet, one coat rack and shelf.
    - .7 Maintain in clean condition.
  - .2 The Harbour Authority building is an acceptable alternative to the Site Office. The Contractor is to negotiate with Harbour Authority for its use.
- 1.7 Equipment, Tool and Materials Storage
- .1 Provide and maintain, in a 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 a manner to cause least interference with work activities.
- 1.8 Sanitary Facilities
- .1 Provide sanitary facilities for work force in accordance with governing regulations and ordinances.
  - .2 Post notices and take such precautions as required by local health authorities. Keep area and premises in sanitary condition.
- 1.9 Construction Signage
- .1 No other signs or advertisements, other than warning signs, are permitted on site.
  - .2 Signs and notices for safety and instruction shall be in both official languages Graphic symbols shall conform to CAN3-Z321.
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1.9 Construction Signage (Cont'd) .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.

1.10 Measurement for Payment .1 Measurement for payment for construction facilities to be included in the paid items under this contract.

PART 2 - PRODUCTS

2.1 Not Used .1 Not Used.

PART 3 - EXECUTION

3.1 Not Used .1 Not Used.

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- 1.1 General .1 Conduct cleaning and disposal operations to comply with ordinances and antipollution laws.
- .2 Prevent accumulation of waste which create hazardous conditions.
- .3 Spring cleaning of parking lot to remove debris and sand accumulated over the year on an as-needed basis.
- 1.2 Measurement for Payment .1 Cleaning during the construction is not measured for payment.
- .2 Power sweeping of parking lot and approach roads will be paid by the square metre.
- 1.3 Cleaning During Construction .1 The work is being carried out within site of residential areas of Pointe Sapin. The work site is to be cleaned on a daily basis of debris. Roadways are to be kept free from sand which may fall from trucks. Disposal sites to be continually graded. Storage areas are to be positioned in such a manner as not to detract from any scenic vista. Retrieve any debris that has blown or floated from the site, and advise officials of any loss of materials or refuse.
- .1 Provide on-site containers for collection of waste materials, and debris.
- .2 Remove waste materials, and debris from site.
- 1.4 Cleaning .1 In preparation for acceptance of the project on an interim or final certificate of completion perform final cleaning.
- .1 Have sand and debris removed from site.
- .2 Remove all temporary access roads.
- .3 Make all roads and accesses in good condition, and ensure drainage of ditches etc.
- 1.5 Power Broom Sweeping .1 Contractor to furnish all labor, supervision, equipment, tools, supplies, and all effort necessary to perform sweeping services at the end of the sand trap as specified.
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- 1.5 Power Broom Sweeping  
(Cont'd)
- .2 Provide Harbour Authority 24 hour advanced notice of cleaning so alternative parking can be arranged.
  - .3 Sweeping equipment is a power brush for sweeping or vacuum truck with brushes.
  - .4 Contactor shall power sweep parking lots and approach roads, as requested by Departmental Representative.
  - .5 The Contractor shall perform the work in a way to minimize disruption to the normal operation of wharf and users. Upon completion of work the Contractor is responsible for cleaning and removing from the job site all debris, materials, and equipment associated with the work performed.
  - .6 Clean sand can be placed in Dredged materials containment area.
  - .7 The Contractor shall perform lot cleaning duties in such a manner that does not damage property. In the event damage occurs to property, or any adjacent property by reason of any cleaning services performed under this Contract, the Contractor shall replace or repair the same at no cost to the Crown.