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| <u>1.1 SCOPE</u> | .1 | The work covered under this contract consists of the furnishing of all equipment, labour, plant and material for Basin Dredging at Daniel's Harbour, Newfoundland and Labrador, in strict accordance with specifications and accompanying drawings and subject to all terms and conditions of contract. |
| <u>1.2 DESCRIPTION OF WORK</u> | .1 | In general, work under this contract consists of, but will not necessarily be limited to, the following:
.1 Dredging, as shown on the drawings, of approximately 1330 CMPM of combined Class 'A' and Class 'B' materials. |
| <u>1.3 SITE OF WORK</u> | .1 | Work will be carried out at Daniel's Harbour, Newfoundland and Labrador in the location as shown on the accompanying drawings. |
| <u>1.4 DATUM</u> | .1 | Datum used for this project is Lowest Normal Tides (LNT) and is assumed to be 4.330 metres below CHS-BM-77G0020-Brass Plaque in Concrete Wall, located at Easting - 457915.322 and Northing - 5565543.712. |
| | .2 | Bidders are advised to consult the Tide Tables issued by Fisheries and Oceans in order to make sure of the tidal conditions affecting work. |
| <u>1.5 FAMILIARIZATION WITH SITE</u> | .1 | Before submitting a bid, it is recommended that bidders visit the site and its surroundings to review and verify the form, nature and extent of the work, materials needed for the completion of the work, the means of access to the site, severity, exposure and uncertainty of weather, soil conditions, any accommodations they may require, and in general shall obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. 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. |
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| <u>1.5 FAMILIARIZATION WITH SITE (Cont'd)</u> | .2 | Contractors, bidders or those they invite to site are to review specification Section 01 35 29 - Health and Safety Requirements before visiting site. Take all appropriate safety measures for any visit to site. |
| | .3 | Advise the Departmental Representative before carrying out such site visit or inspection. |
| <u>1.6 CODES AND STANDARDS</u> | .1 | Perform work in accordance with the latest edition of the National Building Code of Canada and any other code of provincial or local application, including all amendments up to project bid closing date. The more stringent requirements shall apply in the case of any conflict or discrepancy. |
| | .2 | Materials and workmanship must meet or exceed requirements of specified standards, codes and referenced documents. |
| <u>1.7 TERM ENGINEER</u> | .1 | Unless specifically stated otherwise, the term Engineer where used in the Specifications and on the Drawings shall mean the Departmental Representative as defined in the General Conditions of the Contract. |
| <u>1.8 SETTING OUT WORK</u> | .1 | Set grades and layout work in detail from control points and grades established by Departmental Representative. |
| | .2 | Assume full responsibility for and execute complete layout of work to locations, lines and elevations indicated or as directed by Departmental Representative. |
| | .3 | Provide equipment and material required to layout and construct work. |
| <u>1.9 COST BREAKDOWN</u> | .1 | Before submitting first progress claim submit breakdown of aggregating Contract price in detail as directed by Departmental Representative. Departmental Representative will provide the required forms for application of progress payment. |
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- 1.9 COST BREAKDOWN (Cont'd)
- .2 Provide cost breakdown in same format as the numerical and subject title system used in this specification, as shown on the Unit Price Table and thereafter sub-divided into major work components as directed by Departmental Representative.
 - .3 Upon approval by Departmental Representative, cost breakdown will be used as basis for contract payments.
 - .4 All work items not designated in the unit price table as a measurement for payment, are to be included in the Lump Sum Amount, as noted on the Bid and Acceptance Form.
- 1.10 WORK SCHEDULE
- .1 Submit, within 7 work days of notification of acceptance of bid, a construction schedule showing commencement and completion of all work within the time stated on the Bid and Acceptance Form and the date stated in the bid acceptance letter.
 - .2 Provide sufficient details in schedule to clearly illustrate entire implementation plan, depicting efficient coordination of tasks and resources, to achieve completion of work on time and permit effective monitoring of work progress in relation to established milestones.
 - .3 As a minimum, work schedule to be prepared and submitted in the form of Bar (GANTT) Charts, indicating work activities, tasks and other project elements, their anticipated durations and planned dates for achieving key activities and major project milestones. Provide sufficient details and support by narratives to demonstrate a reasonable plan for completion of project within designated time.(e.g.) show target dates for the completion of each component of work, if applicable. Generally Bar Charts derived from commercially available computerized project management system are preferred but not mandatory.
 - .4 Submit schedule updates on a minimum monthly basis and more often, when requested by Departmental Representative due to frequent changing project conditions. Provide a
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- 1.10 WORK SCHEDULE (Cont'd) .4 (Cont'd)
narrative explanation of necessary changes and schedule revisions at each update.
- .5 The schedule, including all updates, shall be to Departmental Representative's approval. Take necessary measures to complete work within approved time. Do not change schedule without Departmental Representative's approval.
- .6 All work on the project will be completed within the time indicated on the Bid and Acceptance Form.
- 1.11 ABBREVIATIONS .1 Following abbreviations of standard specifications have been used in this specification and on the drawings:
CGSB - Canadian Government Specifications Board
CSA - Canadian Standards Association
ASTM - American Society for Testing and Materials
- .2 Where these abbreviations and standards are used in this project, latest edition in effect on date of bid call will be considered applicable.
- 1.12 QUARRY AND EXPLOSIVES .1 Make own arrangements with Provincial authorities and owners of private properties, for the quarrying and transportation of rock and all materials and machinery necessary for work over their property, roads or streets as case may be.
- 1.13 SITE OPERATIONS .1 This site is a fully operational fishing harbour. Exercise care so as not to obstruct or damage public or private property in area. Do not interfere with normal day-to-day operations in progress at site.
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1.14 PROJECT
MEETINGS

- .1 Departmental Representative will arrange and set times for project meetings.
- .2 Project meetings will take place on site of work unless otherwise directed by the Departmental Representative.
- .3 Departmental Representative will assume responsibility for recording minutes of meetings and forwarding copies to all parties present at the meetings.
- .4 The contractor will have a responsible member of firm present at all project meetings.

1.15 EXISTING
SERVICES

- .1 Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to site operations, pedestrian and vehicular traffic.
- .2 Before commencing work, establish location and extent of service lines in area of work and notify Departmental Representative of findings.
- .3 Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility. This includes disconnection of electrical power and communication services to adjacent operational areas. Adhere to approved schedule and provide notice to affected parties.
- .4 Provide temporary services when directed by Departmental Representative to maintain critical facility systems.
- .5 Provide adequate bridging over trenches which cross walkways or roads to permit normal traffic.
- .6 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .7 Protect, relocate or maintain existing active services as required. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction over service.

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| 1.15 EXISTING
SERVICES
(Cont'd) | .7 | (Cont'd)
Record locations of maintained, re-routed and
abandoned service lines. |
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| 1.16 DOCUMENTS
REQUIRED | .1 | Maintain at job site, one copy each of the
following: <ul style="list-style-type: none">.1 Contract Drawings.2 Specifications.3 Addenda.4 Change Orders.5 Other modifications to Contract.6 Test Reports.7 Copy of Approved Work Schedule.8 Site specific Health and Safety Plan and
other safety related documents.9 Other documents as stipulated elsewhere
in the Contract Documents. |
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| 1.17 PERMITS | .1 | Obtain and pay for all permits, certificates
and licenses as required by Municipal,
Provincial, Federal and other Authorities. |
| | .2 | Provide appropriate notifications of project
to municipal and provincial inspection
authorities. |
| | .3 | Obtain compliance certificates as prescribed
by legislative and regulatory provisions of
municipal, provincial and federal authorities
as applicable to the performance of work. |
| | .4 | Submit to Departmental Representative, copies
of application submissions and approval
documents received from above referenced
authorities. |
| | .5 | Submit to Departmental Representative, copies
of quarry permit, if applicable, prior to
start of quarry operations. |
| | .6 | Comply with all requirements, recommendations
and advise by all regulatory authorities
unless otherwise agreed in writing by
Departmental Representative. Make requests for
such deviations to these requirements
sufficiently in advance of related work. |
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- 1.18 EXISTING SUB-SURFACE CONDITIONS
- .1 Information pertaining to existing sub-surface conditions is available on the drawings.
 - .2 Contractors are cautioned that this information is intended to provide general site information only. Any interpolation and/or assumptions made relative to any previous investigations are the Contractor's responsibility.
- 1.19 FISH HABITAT
- .1 This work is being conducted in an area where fish habitat may be affected. Perform work to conform with rules and regulations governing fish habitat and in accordance with authorization for work or undertakings affecting fish habitat.
 - .2 Contact the Department of Fisheries and Oceans Marine Development Review Unit, John O'Rourke, A/Senior Biologist at (709)772-2508 at least ten (10) working days in advance of starting any work on site.
- 1.20 NOTICE TO SHIPPING/MARINERS
- .1 Notify (in writing) the Marine Communications and Traffic Services' Centre, of Fisheries and Oceans Canada, at (709)772-2083, ten (10) days prior to commencement in order to allow for the issuance of Notices to Shipping/Mariners. Copy of notification to be forwarded to Departmental Representative.
 - .2 During construction any vessels or barges utilized must be marked in accordance with the provisions of the Canada Shipping Act Collision Regulations.
 - .3 Notify (in writing) the Marine Communications and Traffic Services Centre, of Fisheries and Oceans Canada, immediately upon completion of work to allow for the issuance of Notice to Shipping/Mariners. Copy of notification to be forwarded to Departmental Representative.
- 1.21 ACCEPTANCE
- .1 Prior to the issuance of the Certificate of Substantial Performance, in company with Departmental Representative, make a check of
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<u>1.21 ACCEPTANCE (Cont'd)</u>	.1	(Cont'd) all work. Correct all discrepancies before final inspection and acceptance.
<u>1.22 CONTRACTOR'S USE OF SITE</u>	.1	No dredging operations are to be carried out from the existing wharf structures in the harbour.
	.2	Construction operations, including storage of materials for this contract, not to interfere with the fishing activity and/or operations at the facilities within the harbour.
	.3	The Contractor is responsible for arranging the storage of materials on or off site. Any materials stored at the site which interfere with any of the day to day activities at or near the site will be moved promptly at the Contractor's expense, upon request by Departmental Representative.
	.4	Contractor will take adequate precautions to protect existing asphalt pavement when operating any equipment.
	.5	Exercise care so as not to obstruct or damage public or private property in the area.
	.6	At completion of work, restore area to its original condition. Damage to ground and property will be repaired by Contractor. Remove all construction materials, residue, excess, etc., and leave site in a condition acceptable to Departmental Representative.
	.7	Remove snow and ice as required to maintain safe access in a manner that does not damage existing structures or interfere with the operation of others.
<u>1.23 WORK COMMENCEMENT</u>	.1	Mobilization to project site is to commence immediately after acceptance of bid and submission of Site Specific Safety Plan, unless otherwise agreed by Departmental Representative.
	.2	Project work on site is to commence as soon as possible, with a continuous reasonable work force, unless otherwise agreed by Departmental Representative.

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| 1.23 WORK
COMMENCEMENT
(Cont'd) | .3 | Weather conditions, short construction season, delivery challenges and the location of the work site may require the use of longer working days and additional work force to complete the project by the completion date. |
| | .4 | Make every effort to ensure that sufficient material and equipment is delivered to site at the earliest possible date after acceptance of bid. Ensure all material and equipment is replenished as required. |
| 1.24 INTERPRETATION
OF DOCUMENTS | .1 | Supplementary to the Order of Precedence article of the General Conditions of the Contract, the Division 01 sections take precedence over the technical specification sections in other Divisions of the Specification Manual. |
| 1.25 ASBESTOS
DISCOVERY | .1 | Demolition of spray or trowel-applied asbestos can be hazardous to health. Should material resembling spray or trowel-applied asbestos be encountered in course of work, stop work and notify Departmental Representative immediately. Do not proceed with relevant work until written instructions have been received from Departmental Representative. |