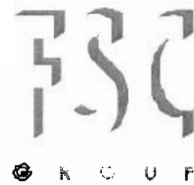




Department of Community Government & Transportation
Government of Nunavut
Iqaluit, Nunavut



SPECIFICATIONS
FOR

SEWAGE LAGOON IMPROVEMENTS HALL BEACH, NUNAVUT

Prepared For:
Government of Nunavut
Department of Community, Government & Transportation
Iqaluit, Nunavut

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FSC PROJECT NO. 2002-0460
GN Project Number 02-2006

ISSUED FOR TENDER

SET No. _____

July, 2002

0207HALL Sewage Lagoon Improve Specs. ITAE

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PART 1 - GENERAL

1.1 LOCATION .1 Hall Beach is located at 68o 46'N latitude and 81o 12'W longitude. Situated in the Foxe Basin of the Arctic Lowlands, it is 840 air km north-west of Iqaluit.

1.2 CLIMATE .1 July mean high temperature is 8.4 degrees Celsius, July mean low is 2.3 degrees Celsius.
.2 January mean high temperature is -26.9 degrees Celsius, January mean low temperature is -34.8 degrees Celsius.
.3 Total annual precipitation is 218 mm, consisting of 100 mm of rainfall and 1210 mm of snow.
.4 Prevailing winds are from the north-west at 21.3 km/h.

1.3 POPULATION .1 Population is approximately 648 people.
.2 Language spoken: Inuktituk and English.

1.4 SERVICES .1 Commercial accommodations services available.

END OF SECTION 01001

PART 1 - GENERAL

1.1 GENERAL

- .1 The CONTRACTOR shall note that the WORKS, as described in the CONTRACT DOCUMENTS, are intended to commence in the Spring of 2002. It is anticipated that all earthworks including the berms and ditch shall be complete by September 30, 2002.
- .2 The WORKS are located in the Hamlet of Hall Beach - see Section 01001 for Community Information.
- .3 Definitions:
 - .1 CONTRACTOR: the general contractor for the sewage lagoon upgrade and expansion as described in the GENERAL CONDITIONS of the contract.
 - .2 ENGINEER: the engineer as described in the GENERAL CONDITIONS of the Contract. This position is normally filled by the GN Project Officer designated as in charge of this work.
 - .3 CONSULTANT: the design consultant for this work. As directed by the ENGINEER from time to time, correspondence, schedules, shop drawings, progress payments, etc., sent from the CONTRACTOR to the ENGINEER will normally be addressed to the CONSULTANT with a carbon copy to the ENGINEER. The CONSULTANT will provide recommendations to the ENGINEER as to the acceptability of the correspondence and inspect the work for the ENGINEER and provide comments upon the work. The CONSULTANT'S direction to the CONTRACTOR will be sent directly to the CONTRACTOR and carbon copied to the ENGINEER. All instructions, change orders involving a change in the contract will be sent to the ENGINEER and issued directly by the ENGINEER to the CONTRACTOR.
 - .4 RESIDENT ENGINEER: A representative of the CONSULTANT who may be on site full time during construction. All correspondence will continue to be directed to the CONSULTANT and ENGINEER as directed above with carbon copies given to the RESIDENT ENGINEER. The RESIDENT ENGINEER will provide daily and

1.1 GENERAL
(Cont'd)

- .3 Definitions: (Cont'd)
 - .4 RESIDENT ENGINEER: (Cont'd)
weekly reports to the ENGINEER on both quantity and quality concerns.
 - .5 OTHER CONTRACTORS: Another contractor whose work is outside the scope of this contract.
- .4 The WORKS to be carried out include but are not limited to:
 - .1 Mobilization to site of machinery and equipment necessary to perform the WORKS.
 - .2 Purchase and delivery to site of all materials and equipment for the project, as called for or inferred on the DRAWINGS and in the SPECIFICATIONS other than those specifically pre-purchased.
 - .3 All earth works, berm construction and liner installation.
 - .4 Inspection of all works to ensure compliance with all applicable codes and standards as directed in the SPECIFICATIONS.
- .5 Should the CONTRACTOR wish to change the scope of work outlined, he shall have to identify the changes with the ENGINEER at the start of the project and prior to proceeding with work. Approval from the ENGINEER is required prior to work commencing.
- .6 The CONTRACTOR shall, at the start of the project and prior to proceeding with any field work, arrange with the ENGINEER for the establishment of reference lines and a Bench Mark. Once the base lines and Bench Mark are set, it shall be the responsibility of the CONTRACTOR to protect and safeguard same throughout the constructions period.
- .7 The CONTRACTOR shall include in his tender price the costs of transportation/shipping and handling of materials and all associated costs of those materials not pre-purchased for the project.
- .8 The CONTRACTOR shall test the installations as described in Section 01410-Dokumentation, Testing and Acceptance Procedures.
- .9 The CONTRACTOR shall prepare and provide all the documentation and test information necessary to comply with Interim Inspection as

1.1 GENERAL
(Cont'd)

- .9 (Cont'd)
outlined in Section 01410- Documentation,
Testing and Acceptance Procedures.
- .10 The CONTRACTOR shall carry out any incidental
works to make the facilities complete and to
the satisfaction of the ENGINEER.
- .11 Carry out all clean-up and repair work
necessary to existing roadways, ditches, etc.
affected by new work and to the satisfaction
of the ENGINEER.
- .12 The CONTRACTOR shall complete Appendix "D1"
and "D2" - List of Unit Prices and the
Schedule of Breakdown Prices and return with
his Tender Price.

1.2 WORKS

- .1 The WORKS to be carried out include but are
not limited to :
 - .1 Remove and dispose of the existing
offload sluice.
 - .2 Push out existing berms and add new
material to form new berms as indicated
in the DRAWINGS.
 - .3 Grade ponds to elevations as shown in
the DRAWINGS.
 - .4 Construct new berms with additional
material as indicated in DRAWINGS.
 - .5 Construct new trench as shown in the
DRAWINGS.
 - .6 Supply and install the new offload
chutes as shown in the DRAWINGS.
 - .7 Provide smooth running surface from
truck turn around areas and road
access.

END OF SECTION 01011

1.1 WORK SEQUENCE

- .1 The WORK shall be executed in a timely manner to ensure that construction is completed by the completion dates outlined in these documents.
- .3 The CONTRACTOR shall consult with the ENGINEER on acceptable methods of carrying out the WORK, the space available for storage of materials and erection of temporary facilities, location of granular borrow areas, and any other information pertinent to the WORK. All costs associated with the foregoing shall be borne by the CONTRACTOR.
- .4 Section 01011, Particular Scope of Work, outlines the work sequence and scheduling requirement.

END OF SECTION 01014

1 THE CONSTRUCTION SITE .1 The OWNER will provide the lands upon which the WORK is to be constructed.

2 CONTRACTOR'S USE OF THE SITE .1 The CONTRACTOR shall have exclusive use of the site, provided that the CONTRACTOR shall permit access to the OWNER, the ENGINEER and other Contractors on the site for purposes of inspection, reviews, tests and carrying out work related to the WORK.

END OF SECTION 01015

Hall Beach	Allowances	Section 01021
Sewage Treatment		Page 1
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PART 1 - GENERAL

1.1 CONTINGENCY
ALLOWANCE

- .1 Include in the Contract Price, the contingency allowance as shown in the schedule to provide for changes in work as determined and authorized by the ENGINEER and approved by the OWNER.
- .2 Payment of the contingency allowance or portion thereof shall only be made in the event that the ENGINEER authorizes additional work to which the unit or Lump sum prices of the Tender Form do not apply.

Unused portions of the Contingency Allowance will be retained by the OWNER.

END OF SECTION 01201

1.1 SPECIAL PROJECT .1
PROCEDURES

- .1 The OWNER reserves the right to let other Contracts on the site of the WORK related to the Project and to work with his own forces on the Project.
- .2 The OWNER shall coordinate the work and insurance coverage of OTHER CONTRACTORS insofar as it affects the WORK of this CONTRACT.
- .3 The CONTRACTOR shall coordinate his work with that of OTHER CONTRACTORS and tie into works constructed by others as specified or shown in the CONTRACT DOCUMENTS.
- .4 The CONTRACTOR shall report to the OWNER or ENGINEER any apparent deficiencies in the work of OTHER CONTRACTORS which would affect the WORK of this CONTRACT as soon as they come to his attention and shall confirm such report in writing. Failure by the CONTRACTOR to file this report shall invalidate any claims against the OWNER by reason of deficiencies in the work of of OTHER CONTRACTORS except as to those of which the CONTRACTOR could not reasonably be aware.

1.2 STORAGE .1
FACILITIES AND USE
OF PREMISES

- .1 The CONTRACTOR may use such facilities and areas as the OWNER may be willing and able to designate for the storage of MATERIAL and PRODUCT for the WORK, without charge to the CONTRACTOR.
- .2 Should the CONTRACTOR require additional facilities or areas he shall make all the necessary arrangements with the owners or occupants of such other facilities or areas and shall pay all rentals and damages caused by such occupancy.
- .3 The CONTRACTOR shall confine his apparatus, the storage of MATERIAL and PRODUCT and the operations of his workmen to limits indicated by law, ordinances, permits or directions of the ENGINEER and the Hamlet and shall not unreasonably encumber the premises with his MATERIAL, PRODUCT or PLANT.
- .4 The CONTRACTOR shall enforce all regulations regarding signs, advertisements, fires,

1.2 STORAGE
FACILITIES AND USE
OF PREMISES
(Cont'd)

- .4 (Cont'd)
smoking and storage of flammable MATERIAL or
PRODUCT.
- .5 The CONTRACTOR shall not load or permit any
part of the WORK or of the OWNER's structures
to be loaded in any way that will endanger
their safety.

1.3 USE OF
COMPLETED PORTIONS
OF THE WORK

- .1 The OWNER shall have the right to take
possession of and use any completed or
partially completed portions of the WORK,
notwithstanding that the time for completing
the WORK or such portions of the WORK may not
have expired: but such taking possession of
and use shall not be deemed acceptance of the
WORK.
- .2 If such prior use increases the cost of the
WORK, the CONTRACTOR shall be entitled to such
compensation as the ENGINEER in the first
instance may determine.

1.4 DUMPING OF
MATERIALS

- .1 The CONTRACTOR shall make arrangements for
the disposal of all waste material at the
Hamlet solid waste disposal facility. This
work is considered incidental to the
contract and will not be measured separately
for payment.

1.5 TRAFFIC
RESTRICTIONS

- .1 The CONTRACTOR shall make every effort to
keep disruptions to traffic flow to a minimum.

1.6 KNOWLEDGE OF
THE SITE

- .1 The CONTRACTOR shall make himself aware of
the available methods of transportation for
equipment and personnel to the site.
Contractors are cautioned that transportation
is by air or sea lift.
- .2 The CONTRACTOR shall have no claim on account
of his failure to familiarize himself with
site conditions prior to bidding on this
CONTRACT. He is advised that local
availability of construction equipment and
labour is limited and other projects may

1.6 KNOWLEDGE OF
THE SITE
(Cont'd)

- .2 (Cont'd)
require the equipment during the short construction season. Early arrangement should be made with the Hamlet Office, Government Liaison Officer and/or local contractors for use of any equipment available.
- .3 The CONTRACTOR is responsible for his own accommodations and services at the site as per the GENERAL CONDITIONS of the CONTRACT. For general information, the latest editions of "Northern Canada Business Directory" and the "Canada North Almanac" (published by the Research Institute of Northern Canada, Box 188 Yellowknife) may be consulted.

END OF SECTION 01030

1.1 GENERAL

- .1 The ENGINEER with the assistance of the CONTRACTOR shall provide a baseline, reference points and a bench mark.
- .2 The CONTRACTOR shall be responsible for the correctness of the elevations and dimensions from the references provided by the ENGINEER.
- .3 The layout of the WORK shall be in accordance with the Work Schedule which is prepared by the CONTRACTOR, submitted to the ENGINEER for review and is updated monthly.
- .4 If the CONTRACTOR requests a change in layout procedure or sequence, he shall submit the request to the ENGINEER, giving a minimum of 48 hours notice of new or revised activities.
- .5 The notice requesting a change shall be extended to 96 hours whenever a long weekend is involved.

1.2 SURVEY
ASSISTANCE

- .1 The CONTRACTOR shall supply acceptable survey assistants to the ENGINEER to assist in measuring, surveying, driving stakes and such other work as the ENGINEER requires to layout the WORK.
- .2 For setting out line and stakes, two assistants shall be provided.
- .3 For survey levelling and preparation of grade sheets, one assistant shall be provided.
- .4 Survey assistants shall not be changed without the approval of the ENGINEER.
- .5 If the CONTRACTOR fails to provide survey assistants that are acceptable to the ENGINEER, the ENGINEER will obtain assistants and deduct the costs and expenses thereof from the Progress Payment Certificates.

1.3 CONSTRUCTION
STAKES

- .1 Construction stakes including lath and hubs shall be provided by the CONTRACTOR.

END OF SECTION 01050

1.1 GENERAL

- .1 The Laws and Regulations of Nunavut shall govern.
- .2 The standards of the WORK shall conform to or exceed the minimum standards of the Canadian General Standards Board and the Canadian Standards Association.
- .3 In the event that a dispute resolution by arbitration is undertaken, the Arbitration Ordinance of Nunavut shall apply.
- .4 The CONTRACTOR shall ensure compliance on his part and on the part of all his SUBCONTRACTORS with the Worker's Compensation Ordinance and Regulations thereunder of the Government of Nunavut. The Worker's Compensation Board of the Northwest Territories and Nunavut can be contacted at 1-877-404-4407.
- .5 In carrying out the WORK, the CONTRACTOR shall comply with all other Acts and Ordinances and Regulations thereunder the Government of Nunavut as though they had been specifically named in this specification.

1.2 BURNING

- .1 No burning shall take place on site.

1.3 REGULATIONS,
STANDARDS AND CODES

- .1 Codes, Standards and Regulations are specified in other sections of these SPECIFICATIONS and the WORK shall be done in accordance with those Codes, Standards and Regulations where applicable.
- .2 The CONTRACTOR shall obtain and pay for all permits, inspections, etc. required by the authorities having jurisdiction, including Local Construction Permits, Quarry Permits, Water Use Permits, etc.
- .3 When all work has been completed, tested and placed in operation in accordance with the requirements of the DRAWINGS and SPECIFICATIONS and all governing Codes and Regulations, the CONTRACTOR shall request and obtain a Final Certificate of Approval, without reservations, from the Inspection Department(s) having jurisdiction, when

1.3 REGULATIONS,
STANDARDS AND CODES
(Cont'd)

- .3 (Cont'd)
applicable, and the Certificate(s) shall be provided to the ENGINEER.
- .4 The CONTRACTOR shall note that no allowance will be given for modification of the installation to meet requirements of governing Codes or Regulations, unless such Codes or Regulations were modified by legislation after the CONTRACT was awarded.

END OF SECTION 01060

1.1 ABBREVIATIONS - .1
SPECIFICATIONS,
METHODS, STANDARDS

General

ASCE	American Society of Civil Engineers
ASTM	American Society for Testing and Materials
CAN	National Standards of Canada
CCA	Canadian Construction Association
CSA	Canadian Standards Association
ISO	International Organization for Standardization
WCB	Worker's Compensation Board

.2 Utilities

AWWA	American Water Works Association
CGSB	Canadian General Standards Board
CSPI	Corrugated Steel Pipe Institute
IAO	Insurer's Advisory Organization
ULC	Underwriter's Laboratories of Canada
USA	United States of America Standard(ASA)

.3 Use Of Abbreviations

These abbreviations refer to Specifications, Methods and Standards issued by the respective Association, and the abbreviations are used in the SPECIFICATIONS.

Alphanumeric designations following the abbreviations denote the specification, method or standard.

1.2 ABBREVIATIONS - .1
METRIC

General

The specifications are metric and metric usage is based upon SI units in accordance with CSA Standard CAN/CSA-Z234.1-89 Canadian Metric Practice Guide. In this specification SI units are abbreviated in accordance with the

Metric Units and Abbreviations below.

.2 Linear Measure

Metre	m
Millimeter	mm
Kilometer	km
micrometre	micro-m (um)

.3 Area

Square metre	m ²
Square millimeter	mm ²
Hectare	ha

1.2 ABBREVIATIONS - .4
METRIC
(Cont'd)

Volume

Cubic metre	m3
Litre	L

.5 Mass and Density

Kilogram	kg
Gram	g
Tonne	t
Kilogram per metre	kg/m
Gram per metre	g/m
Kilogram per square metre	kg/m2
Gram per square metre	g/m2
Kilogram per cubic metre	kg/m3

.6 Temperature

Degree Celsius	oC
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END OF SECTION 01070

1 ALTERNATIVE
MATERIALS

- .1 Although bidders are encouraged to submit alternatives whenever same will ensure a quality, performance and serviceability equal to or greater than that inferred by the DRAWINGS and SPECIFICATIONS, they should prepare their bid using the specified materials and procedures, submitting a separate proposal for any suggested alternative. The proposal shall show clearly the alternative details of materials and procedures, and any change in price shall be subject to the ENGINEER'S approval prior to acceptance.
- .2 Where PRODUCTS or MATERIALS are specified by Trade Name or Manufacturer's names, this is for the purpose of defining a standard and not for the purpose of limiting selection.
- .3 Where PRODUCTS or MATERIALS are specified by Trade Name or Manufacturer's name, the arrangement of equipment shown on the DRAWINGS is generally based on the equipment of the named Manufacturer. Should the CONTRACTOR obtain authorization from the ENGINEER to supply PRODUCT or MATERIALS of equivalent to those specified, he shall bear the costs of modifications to the DRAWINGS, equipment arrangements and ancillaries to suit said PRODUCT.

END OF SECTION 01100

1.1 GENERAL

- .1 Payments will be made on the basis of the lump sum prices bid and the unit prices bid in the TENDER and in accordance with the GENERAL CONDITIONS.
- .2 The prices bid for various items of work, unless specifically noted otherwise, shall include the supply of all labour, material, plant and equipment necessary to construct the WORK in accordance with the specifications.
- .3 The prices bid for supply of materials and installation of materials shall be full compensation of supplying, hauling, installing, cleaning, testing and placing in service together with all other work subsidiary and incidental thereto for which separate payment is not provided elsewhere.
- .4 The method of measurement for payment and the basis for payment will be in accordance with the following items of this section. All measurement will be done by the ENGINEER using generally accepted field survey methods.
- .5 Where the TENDER shows separate items for supply and installation, the unit prices or lump sum prices bid for supply shall include supplying, delivering, loading, unloading and all allowances for handling, storage, breakage and waste. Payment will be made only for materials actually installed.
- .6 All materials on site whether existing structures, vegetation, topsoil, gravel, sand or other excavated, or piled materials are the property of the OWNER or the owner of the land on which the WORK is located. Only those materials specifically noted in the SPECIFICATIONS or on the DRAWINGS as belonging the CONTRACTOR shall become the CONTRACTOR'S property.
- .7 Where there are excess excavated materials, unsuitable materials excavated or materials of any kind that are excavated but not used in the WORK, such materials are not the property of the CONTRACTOR unless authorized in writing by the ENGINEER or specified to be disposed of by the CONTRACTOR.
- .8 Where WORK is called for in these SPECIFICATIONS and is not specifically

1.1 GENERAL
(Cont'd)

- .8 (Cont'd)
designated for payment under a pay item, the CONTRACTOR shall deem such WORK as incidental to the most closely associated pay items and make appropriate allowances in his bid price. The CONTRACTOR will not be allowed an additional amount for any items not included in the TENDER BID but which are required to make the WORK complete.

1.2 MEASUREMENT AND
DEMobilIZATION

- .1 Mobilization and demobilization shall include the CONTRACTOR'S costs of mobilization at the beginning of the project; and cost of demobilization at the end of the project.
- .2 Included in mobilization are such items as:
- bonding, insurance and permits
 - moving personnel, materials and equipment to the site, setting up temporary facilities and all preparation for performing the WORK
 - inspection and acceptance by the ENGINEER of all materials and equipment received, including as necessary, the opening of crates and recrateing by the CONTRACTOR at his expense.
 - the storing in an adequate and approved warehouse of those materials and equipment which will not be immediately used for construction
 - supply of literature and data for O&M Manuals
 - return of Government property in compliance with the CONTRACT DOCUMENTS
- .3 Included in demobilization are removal of all personnel, materials and equipment, once work has been completed, tested and accepted by the ENGINEER and general cleanup of the site and the WORK.
- .4 The lump sum bid for this work shall be relative to the costs involved.
- .5 Upon completion of mobilization as noted above, the CONTRACTOR shall be entitled to claim an amount not exceeding 70% of the lump sum amount stated under this item. Prior to billing for completion of mobilization, the CONTRACTOR will have complied with the

1.2 MEASUREMENT AND .5
DEMOBILIZATION

(Cont'd)

(Cont'd)

conditions of Section 01700 in that all required Operations and Maintenance Manual Data and Manufacturer's Literature for material provided will have been provided to the ENGINEER. The remaining 30% shall be paid to the CONTRACTOR only after work for demobilization is completed to the satisfaction of the ENGINEER notwithstanding the holdback amount, in compliance with the SPECIFICATIONS, and the CONTRACT DOCUMENTS and the Record Drawings are turned over to the ENGINEER.

1.3 LUMP SUM
CONTRACTS

.1

Payments will be made on the basis of the following:

- Lump sum items in the SCHEDULE OF ITEMS AND PRICES in the TENDER
- Unit prices bid in the SCHEDULE OF UNIT PRICES in the TENDER for provisional items
- Changes in the WORK for items not covered by unit prices, in accordance with Articles GC 46 to 50 of the CONTRACT.

.2

The CONTRACTOR must supply copies of invoices to substantiate claims if requested. Deletions will be proportioned on lump sum items or determined on the basis of unit prices.

.3

For each lump sum item in the SCHEDULE OF BREAKDOWN PRICES, the ENGINEER will, in cooperation with the CONTRACTOR, estimate the percentage of the item completed at the end of the payment period.

END OF SECTION 01150

1.1 PRECONSTRUCTION MEETING

- .1 A preconstruction meeting will be arranged by the ENGINEER after the CONTRACT is awarded.
- .2 The meeting will be held at the ENGINEER'S office or at an alternate location at or near the site.
- .3 The CONTRACTOR shall have in attendance the SUPERINTENDENT, the Project Manager and representatives of the SUBCONTRACTORS if requested by the ENGINEER.
- .4 The OWNER may have a representative in attendance.
- .5 The ENGINEER will have the CONSULTANT and/or Resident Engineer in attendance, and any other personnel whom the ENGINEER feels may add to a successful meeting.
- .6 Minutes will be taken by the ENGINEER and copies will be distributed to attendees.
- .7 The preconstruction meeting agenda will include:
 - .1 Identification of key project personnel and lines of communication:
 - .1 Role of ENGINEER, CONSULTANT and Resident Inspector.
 - .2 Contact Authority.
 - .2 Schedule of WORK:
 - .1 CONTRACTOR'S schedule and proposed work plan.
 - .2 Review DRAWINGS and SPECIFICATIONS.
 - .3 Temporary facilities.
 - .4 Granular sources.
 - .5 Equipment.
 - .6 Resupply.
 - .7 Shutdowns.
 - .3 Schedule of values:

1.1 PRECONSTRUCTION .7
MEETING
(Cont'd)

- (Cont'd)
- .3 Schedule of values: (Cont'd)
 - .1 Progress payments.
 - .2 Change orders.
 - .3 Project inspections.
 - .4 Measurement of unit costs.
 - .5 Claims/disputes.
 - .4 Site sign.
 - .5 Submissions:
 - .1 WCB certificates and Insurance certificates are required.
 - .2 Shop drawings.
 - .3 Mill test certificates.
 - .4 Weld manual.
 - .5 Welder's certificates.
 - .6 Authorities having Jurisdiction:
 - .1 Fire Marshal.
 - .2 Department of Sustainable Development.
 - .3 Nunavut Water Board.
 - .4 Hamlet.
 - .5 Electrical/Mechanical Safety.
 - .6 Weights and Measures Canada.
 - .7 Water use applications.
 - .7 GN Policy:
 - .1 Northern involvement.
 - .2 Local accommodations.
 - .3 Local labour.

1.1 PRECONSTRUCTION .7
MEETING
(Cont'd)

- (Cont'd)
- .8 Application for fuel supply credit purchases.
 - .9 Record drawings.
 - .10 Maintenance manual information.
 - .11 Safety:
 - .1 Disposal of hazardous wastes.
 - .12 Identification of testing agencies:
 - .1 Geotechnical consultant.
 - .2 Radiographic inspections.
 - .3 Strapping.
 - .4 Concrete testing agency.
 - .13 Determination of practical and reasonable time for retesting.
 - .14 Concrete mix design and trial concrete testing.
 - .15 Substantial completion inspection.

1.2 PROGRESS
MEETINGS

- .1 Progress meetings will be held on a regular monthly basis or more frequently if requested by the ENGINEER.
- .2 Accommodations for progress meetings shall be provided by the CONTRACTOR at or near the site.
- .3 The ENGINEER will give to all parties advance notice of meeting dates, times and locations.
- .4 The CONTRACTOR shall have in attendance the SUPERINTENDENT, the Project Manager and representatives of the SUBCONTRACTORS if requested by the ENGINEER.
- .5 The ENGINEER will have the Project Manager and/or Resident Engineer in attendance.
- .6 The OWNER may have a representative in attendance.

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Sewage Treatment
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Project Meetings

Section 01200
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1.2 PROGRESS
MEETINGS
(Cont'd)

.7 Minutes will be taken by the RESIDENT
ENGINEER and copies will be distributed to all
attendees.

END OF SECTION 01200

1.1 GENERAL

- .1 Submittals are required in accordance with the provisions of this section, to ensure that the specified MATERIAL and PRODUCT are furnished and installed in accordance with the design intent as expressed in the CONTRACT DOCUMENTS.
- .2 Individual submittals as required are in other sections of the SPECIFICATIONS.
- .3 Until submissions are reviewed, work involving relevant PRODUCT or MATERIAL may not proceed.
- .4 Where the phrase "or approved equivalent alternative" occurs in the CONTRACT DOCUMENTS, do not assume that MATERIAL, PRODUCT or methods will be accepted as equal by the ENGINEER unless the item has been specifically accepted for the WORK by the ENGINEER in writing.

1.2 IDENTIFICATION
OF SUBMITTALS

- .1 Identify each submittal and resubmittal by showing at least the following information:
 - a) Name, address and telephone number of the submitter, and a name of an individual for contact.
 - b) Drawing Number and specification number to which the submittal applies.
 - c) Whether an original submittal or resubmittal.
 - d) Confirmation of prior review by the CONTRACTOR.
 - e) Date of submittal or resubmittal.
 - f) Authorized signature of the Submitter.

1.3 COORDINATION OF
SUBMITTALS

- .1 Prior to submittal for the ENGINEER's review, coordinate all material:
 - a) Determine and verify field dimensions and conditions and conformance with the SPECIFICATIONS, including MATERIAL, catalogue numbers, type numbers and similar data.
 - b) Coordinate requirements between trades.

1.3 COORDINATION OF .1

(Cont'd)

- c) Coordinate with requirements under laws, regulations, etc.
- d) Secure required approvals of public agencies inspection agencies, and standards agencies and show proof of approvals acquisition.
- e) Indicate any deviations from the intent of design as expressed in the CONTRACT DOCUMENTS and request specific review of these deviations.

1.4 TIMING OF
SUBMITTALS

- .1 Make submittals far enough in advance to allow adequate time for coordination, ENGINEER'S review, revisions and resubmittals, and for supply and delivery in time for the scheduled installation in the WORK.
- .2 Allow at least ten (10) calendar days for the ENGINEER'S review after receipt of submittals.
- .3 Costs due to delays in submittals shall be borne solely by the CONTRACTOR.

END OF SECTION 01300

1.1 CONSTRUCTION
SCHEDULE

- .1 Within fourteen (14) days after award of the CONTRACT, the CONTRACTOR shall submit for approval to the ENGINEER a construction schedule in the form of a bar chart showing all the principal phases of the work. No Progress Payment Claim shall be certified until a Construction Schedule has been received by the ENGINEER.
- .2 The Construction Schedule shall be updated monthly by the CONTRACTOR.
- .3 If, in the opinion of the ENGINEER, any Construction Schedule is inadequate as a control tool or if does not show the WORK being fully completed by the CONTRACT Completion Date, the ENGINEER may reject it and the CONTRACTOR shall provide a Construction Schedule that is acceptable to the ENGINEER.
- .4 In scheduling the WORK, the CONTRACTOR shall give due attention to the availability and delivery times for all materials and equipment and to the timing of available transportation facilities. In cases where materials are to be shipped by water, approved licensed carriers shall be used as per Appendix H - Transportation of Materials.

END OF SECTION 01310

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- 1.1 GENERAL .1 Provide construction photographs in accordance with procedures and submission requirements specified in this Section.
- 1.2 PROGRESS PHOTOGRAPHS .1 Sizes: 100 x 125 mm.
.2 Type: glossy colour.
.3 Paper: single weight, unmounted.
.4 Number of prints required: 2 sets.
.5 Identification: typewritten name and number of project and date of exposure on reverse side.
.6 Viewports: interior and exterior locations: Viewports determined by ENGINEER.
.7 Frequency: as directed by ENGINEER.
- 1.3 FINAL PHOTOGRAPHS .1 Sizes: 100 x 125 mm.
.2 Type: glossy colour.
.3 Paper: single weight, unmounted.
.4 Number of prints required: 2 sets.
.5 Identification: typewritten name and number of project and date of exposure on reverse side.
.6 Number of viewports:
.1 Locations of viewports determined by ENGINEER.
- 1.4 NEGATIVES .1 Submit all negatives of coloured prints before final acceptance of WORK.
.2 Insert negatives in envelopes and identify with name and number of project. Indicate exposure dates and view points of each frame of 35 mm film strips.
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1.5 DISTRIBUTION OF
PHOTOGRAPHS

.1 One set of progress and final photographs to:
ENGINEER.

.2 One set of progress and final photographs to:
Department of Community Government and
Transportation
P.O. Bag 1000, Station 700
Iqaluit, NU
X0A 0H0

Attention: Senior Municipal Planning Engineer

.3 One set of progress and final photographs to:
Ferguson Simek Clark
P.O. Box 1777
Yellowknife, NT
X1A 2P4

Attention: Environmental Engineering