- (iii) identify specific types of workers required during the project such as plumbers, painters or electricians and how many of those workers are required and when they are required and based on information received in accordance with GC 13.2(b)(ii) maintain a list of community manpower.
- (c) At the community meetings contemplated in GC 13.2(a), the Contractor shall:
 - (i) provide employment reports identifying workers used during the past month (to substantiate information provided on Appendix J-2 "Substantiation of Bid Adjustment");
 - (ii) provide an schedule referred to in GC 13.2(b)(i), or such schedule as amended, if necessary; and
 - (iii) provide a consolidated report at the time of Substantial Completion, which shall confirm the total amount of Inuit, Local and Nunavut content used. This report will identify Inuit, Local and Nunavut payroll separately. This consolidated report shall be a condition precedent to the release of payment.
- (d) The City shall attend all community meetings organized by the Contractor in accordance with this GC 13.2 and when requested by the Contractor shall identify and contact potential community workers who may be available to be employed on the Work, identify alternate workers if those workers initially identified are not available to work, and assist in confirming the residency of local workers.

13.3 Monitoring the Level of Inuit, Local and Nunavut Labour

- (a) The Contractor is responsible to insure that every worker identified as Local or Nunavut meets the qualifying requirements, which are, for Nunavut, being ordinarily resident in Nunavut for the past 12 months, and for Local being a Nunavut resident ordinarily resident in the subject community for the past 4 months. The Contractor may be required to provide proof of residency of workers at any time throughout the course of performing the Work.
- (b) Reasonable proof of Nunavut and Local residency shall be any of the following:
 - being listed on the Nunavut Tunggavik Inc. (NTI) enrolment list and provision of a physical address where residing;
 - (ii) if the last 12 months have been spent as ordinarily resident in Nunavut and a physical address of such residence has been provided, then
 - (A) provides a valid Nunavut Health Care Card effective at least 9 months prior to start date of employment on the Work; and/or
 - (B) provides another accepted proof of residency such as: a Nunavut General Hunting License, a Nunavut Driver's Licence, a lease or rental receipt, or a certified Schedule T222 Income Tax return from the previous year or proof that Income Tax was paid in the Nunavut during the previous tax year; or

- (iii) is included on a list of approved Local or Nunavut residents verified by the municipality of their residence.
- (c) The Contractor is responsible to ensure that every worker identified as Inuit is on the NTI Inuit enrolment list, or would qualify to be on the list.
- (d) If requested by the City to do so, the Contractor shall obtain a signed consent form from workers which verifies their residency and permits the City to obtain any and all information required to support the worker's claim of residency and/or Inuit status. A worker does not need to comply with the requirements of this clause if the worker is on the NTI Inuit enrolment list.

13.4 Failure to Comply with Proposed Inuit, Local and Nunavut Content

- (a) The City and the Contractor recognize the high cost of living in Nunavut, and the need to build capacity of Inuit firms and labour in Nunavut, which is compensated for by the City through the provision of bid adjustments for the use of Inuit, Local and Nunavut labour and other Inuit, Local and Nunavut content, and the provision of bonuses under the Nunavummi Nangminiqaqtunik Ikajuuti (NNI) Policy. It is a priority of the City to maximize the opportunities for Inuit, Local and Nunavut workers and businesses to benefit from government contracts and the City may pay a premium in awarding its contracts to support this important objective.
- (b) Therefore, it is a fundamental requirement of this Contract that the Contractor shall achieve, by the completion of this contract, at least the amounts tendered on Appendix J-2 "Substantiation of Bid Adjustment" of the tender, with the exception of decreasing Nunavut content with a corresponding equal or larger increase in Local content, specifically:
 - (i) the amount of Inuit labour;

AND

- (ii) (A) the amount of Local labour and the amount of Nunavut labour; or
 - (B) the amount of Local labour and the total amount of Local and Nunavut labour

which the Contractor has identified in Appendix J-2 "Substantiation of Bid Adjustment" of the Tender,

AND at least:

- (iii) the amount of Inuit content excluding the labour of Inuit firms; and
- (iv) (A) the amount of Local content (excluding Local labour) and the amount of Nunavut content (excluding Nunavut labour); or
 - (B) the amount of Local content (excluding Local labour) and the total amount of Local and Nunavut content (excluding Local and Nunavut labour)

- which the Contractor has identified in Appendix J-2 "Substantiation of Bid Adjustment".
- (c) In the event that the amounts of Inuit, Local and Nunavut expenditures actually achieved by the Contractor are less than the amounts identified in clauses GC13.4(b) then the City may adopt one or more of the following remedies:
 - (i) withhold from any progress payment an amount equal to:
 - (A) the difference between the amounts identified in GC13.4(b) (i),
 (ii)(A), or (ii)(B) and the amount identified in the schedule referred to in GC13.1(b); and
 - (B) the difference between the amounts identified in GC13.4(b) (iii), (iv)(A), or (iv)(B) and the amount identified the schedule referred to in GC13.1(b).

which amount may be released to the Contractor if at the date of a subsequent request the difference has been eliminated; or

- (ii) deduct from the approved contract payment at the time of Substantial or Final completion an amount equal to:
 - (A) 25% of the difference between the amounts identified in GC13.4(b) (i), (ii)(A), or (ii)(B) and the amount identified in Appendix J-2 "Substantiation of Bid Adjustment"; and
 - (B) 25% of the difference between the amounts identified in GC13.4(b) (iii), (iv)(A), or (iv)(B) and the amount identified in Appendix J-2 "Substantiation of Bid Adjustment"; or
- (iii) terminate this Contract, in accordance with GC10.3.
- (d) In the event that the amount of difference identified in GC13.4(c) is 15% or less of the amount proposed in Appendix J-2 "Substantiation of Bid Adjustment" of the tender, the City, at its sole discretion, may waive the provisions of clause 13.4(c).

13.5 Requirement for Using Hotels or Bed and Breakfast

(a) If performance of the Work is undertaken where a Commercial Room and Board Facility (as defined below) exists within a Community (as defined below), the Tenderer is required to use a Commercial Room and Board Facility to house and feed all workers directly employed by the Contractor, any Subcontractor or agent or any other business working on the Project. The Contractor, Subcontractor, agent or other business are not required to use Commercial Room and Board Facilities for workers who are Local Residents as defined in the NNI Policy.

- (b) In this Contract:
 - (i) "Commercial Room and Board Facility" means a Hotel or a Bed and Breakfast (Tourist Home) that holds a Tourist Establishment Licence issued by the Government of Nunavut under the Travel and Tourism Act.
 - (ii) "Community" means a community in which the Work (as defined in the Contract) is being performed and includes the entire area within a 20kilometre radius of that community.
- (c) The Commercial Room and Board Facility must:
 - (i) meet the applicable requirements under the *Public Health Act*, and of the *Eating or Drinking Place Regulations*; and
 - (ii) meet all applicable requirements of the *Public Health Act* the *Fire Prevention Act* and applicable regulations thereunder, and any other applicable Government of Nunavut or federal legislation.

14. TRANSPORATION OF MATERIALS

14.1 Marine Transport

- (a) Whenever marine (water) transport is to be utilized, the Contractor shall use, and space should be booked directly with the following carrier:
 - (i) Nunavut Sealink and Supply (NSSI),
 By ships loading at the Montreal area Port of Ste-Catherine
 Contact: Daniel Desgagnés

Phone: (450) 635-0833 Fax: (450) 635-5126

- (b) The annual shipping rates offered by marine carriers are dependent upon anticipated cargo quantities including the materials for construction projects; therefore, Contractors are to tender using the published sailing schedules and rates available from the above marine carriers, and also available from the Department of Public Works and Services, Finance Division, Contact: John Fast, Traffic Coordinator at (867) 975-5437.
- (c) In exceptional or extraordinary circumstances, where the specified marine carrier's sailing schedule is in substantial conflict with the Construction Schedule, the City will review the circumstances, taking into account the adverse impact on the project and the specified marine carrier's interests, and the City may provide authorization to allow the relevant cargo to be shipped with a marine carrier other than the specified marine carrier, depending upon the circumstances; and such authorization must be writing.

(d) If a Contractor uses a marine carrier other than the City contracted marine carrier without the City's written authorization to do so, the Contractor shall be responsible for extra freight cost, administrative costs or any other costs, incurred by the City which result directly or indirectly from the Contractor's failure to use the City specified marine carrier as set out in this GC 14. The Contractor shall also be responsible to refund to the City any monies saved by the Contractor by using a marine carrier other than the specified marine carrier as set out in this GC 14.

END OF GENERAL CONDITIONS

APPENDIX "A" TO GENERAL CONDITIONS

CONTRACTOR'S CERTIFICATE OF INSURANCE

INSURED:	
PROJECT NAME:	

SCHEDULE OF MANDATORY INSURANCE

Type of Insurance	Insurer, Policy Number	Policy Period	Limit of Liability/Amount
Comprehensive General Liability including Non- Owned Automobile Liability		FromTo:	Bodily Injury \$Each Person \$Each Accident \$Aggregate Products Property Damage \$Each Accident \$Bagregate Products OR Bodily Injury & Property Damage \$Inclusive \$Aggregate Products
Automobile Liability (Owned/Leased Vehicles)		From:	Bodily Injury \$ Each Person \$ Each Accident Property Damage \$ Each Accident OR Bodily Injury & Property Damage \$ Inclusive
Property and Boiler and Machinery Insurance		FromTo:	-
Contractor's Equipment		From	
OTHER			

This is to certify that policies of insurance as described above, and in the General Conditions of this Contract for Construction, have been issued through the undersigned to the Insured named above and are in force at this time. If cancelled or changed in any manner for any reason, during the period of coverage as stated herein so as to affect this certificate, immediate written notice will be given by the undersigned to the Manager, Public Works & Engineering, City of Iqaluit, Nunavut, PO Box 460, Iqaluit, Nunavut, X0A 0H0.

Name and Address of Insurance	e Agent, Broker or Insurance Company:	
Date:	By:	
	(Authorized Representative)	

Section No.	Description
DIVISION 1	GENERAL REQUIREMENTS
01010	Summary of Work
01016	Work Sequence and Tie-ins
01020	Allowances
01040	Coordination
01060	Regulatory Requirements
01090	References
01100	Special Project Procedures
01200	Project Meetings
01300	Submittals
01310	Schedules, Progress Reports
01400	Quality Control
01500	Construction Facilities
01600	Material and Equipment
01601	Material and Equipment Salvage
01670	Systems Demonstrations
01700	Contract Closeout
01720	Project Record Documents
01735	Commissioning
01770	Take-Over Procedures
DIVISION 2	SITE WORK
02056	Fill Materials
02305	Earthwork General Requirements
02311	Site Grading
02317	Building and Structure Excavating
02318	Building and Structure Backfilling
02362	Steel Pipe Piles
02821	Chain Link Fences and Gates
DIVISION 3	CONCRETE
03100	Concrete Formwork
03200	Concrete Reinforcement
03250	Concrete Accessories
03300	Cast-in-Place Concrete

Section No.	Description
DIVISION 5	METALS

05120 Structural Steel

DIVISION 6 WOODS AND PLASTICS

06100 Rough Carpentry 06200 Finish Carpentry

06405 Cabinets

DIVISION 7 THERMAL & MOISTURE PROTECTION

07190 Air/Vapour Barriers 07212 Board Insulation

07465 Performed Metal Cladding/Siding

07610 Sheet Metal Roofing

07620 Sheet Metal Flashing and Trim

07840 Fire Stopping 07900 Joint Sealers

DIVISION 8 DOORS

08111 Steel Doors and Frames

08710 Door Hardware

DIVISION 9 FINISHES

09900 Painting

09905 Process Painting and Coating Systems

DIVISION 11 EQUIPMENT

11005 General Process Provisions 11020 Process Equipment Installation

11205 Process Motors Less Than 150kW

11300 Process Pumps – General Requirements

11318 Self-Priming Solids Handling Pumps

11910 Identification

DIVISION 15 MECHANICAL

15010 General Mechanical Provisions

15015 Documentation 15020 Commissioning

15030 Testing

15050 Process Piping

15051 Process Pipe Joints and Equipment Connections

Section No.	Description
15055	Detailed Process Piping Specification Sheets
15056	Process Pipeline Appurtenances
15058	Process Pipe Hangers and Supports
15075	Mechanical Identification
15080	Supports, Anchors and Seals
15100	Process Valves
15105	Detailed Process Valve Specification Sheets
15106	Pipe and Pipe Fittings
15110	Valves and Strainers
15116	Glycol Specialties
15130	Tanks
15170	Diesel Fuel System
15200	Piping Insulation
15210	Duct and Breeching Insulation
15300	Pumps
15410	Plumbing General
15420	Plumbing Fixtures and Trim
15510	Fire Extinguishers
15600	Cast Iron Boilers
15650	Terminal Heat Transfer Units
15750	Coils
15800	Fan Coil Units
15820	Fans
15830	Ductwork
15835	Duct Accessories
15860	Breeching and Chimneys
15865	Air Filters
15900	Controls General Provisions
15999	List of Schedules
DIVISION 16	ELECTRICAL
16010	Electrical General Requirements
16111	Conduits, Conduit Fastenings and Conduit Fittings
16122	Wires and Cables 0 – 1000V
16131	Slitters, Junction Boxes Pull Boxes and Cabinets
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16132 Outlet Boxes, Conduit Boxes and Fittings 16141 Wiring Devices 16191 Fastenings and Supports 16401 Overhead Service 16421 Service Entrance Board 16440 Disconnect Switches Fused and Non-Fused Up To 600 V – Primary 16461 Dry Type Transformers Up To 600 V Primary 16461 Panelboards – Breaker Type 16480 Power Surge Protectors 16500 General Provisions For Interior Lighting 16519 Exit Lights 16536 Unit Equipment For Emergency Lighting 16692 Lighting Control Equipment - Photoelectric 16622 Power Generation – Diesel 16623 Diesel Generator Accessories 16627 Automatic Load Transfer Equipment 16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators 17216 Switches, Relays, and Indicator Lamps	Section No.	Description
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16401 Overhead Service 16421 Service Entrance Board 16440 Disconnect Switches Fused and Non-Fused Up To 600 V – Primary 16461 Dry Type Transformers Up To 600 V Primary 16471 Panelboards – Breaker Type 16480 Power Surge Protectors 16500 General Provisions For Interior Lighting 16519 Exit Lights 16536 Unit Equipment For Emergency Lighting 16592 Lighting Control Equipment - Photoelectric 16622 Power Generation – Diesel 16623 Diesel Generator Accessories 16627 Automatic Load Transfer Equipment 16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16141	Wiring Devices
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16500 General Provisions For Interior Lighting 16519 Exit Lights 16536 Unit Equipment For Emergency Lighting 16592 Lighting Control Equipment - Photoelectric 16622 Power Generation – Diesel 16623 Diesel Generator Accessories 16627 Automatic Load Transfer Equipment 16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16471	Panelboards – Breaker Type
16519 Exit Lights 16536 Unit Equipment For Emergency Lighting 16592 Lighting Control Equipment - Photoelectric 16622 Power Generation - Diesel 16623 Diesel Generator Accessories 16627 Automatic Load Transfer Equipment 16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16480	Power Surge Protectors
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Diesel Generator Accessories 16627 Automatic Load Transfer Equipment 16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16592	Lighting Control Equipment - Photoelectric
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16721 Fire Alarm Systems 16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16623	Diesel Generator Accessories
16724 Security System 16742 Incoming Telephone Service 16755 Data and Voice Systems 16811 Motor Starters to 600 V & Variable Frequency Drives 16950 Connections to Mechanical Equipment 16960 Starting of Electrical Equipment and System 16980 Testing, Adjusting and Balancing of Electrical Equipment and Systems 16990 Electrical Equipment and Systems Demonstration and Instruction DIVISION 17 INSTRUMENTATION AND CONTROL 17010 Instrumentation and Control General Requirements 17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	16627	Automatic Load Transfer Equipment
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17015 Scope of Work 17110 Enclosures 17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	DIVISION 17	INSTRUMENTATION AND CONTROL
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17124 Instrumentation Cable 17130 Power Supplies 17211 Process Taps and Primary Elements 17212 Transmitters and Indicators	17015	Scope of Work
Power Supplies Process Taps and Primary Elements Transmitters and Indicators	17110	Enclosures
Process Taps and Primary Elements Transmitters and Indicators	17124	Instrumentation Cable
17212 Transmitters and Indicators	17130	Power Supplies
	17211	Process Taps and Primary Elements
17216 Switches, Relays, and Indicator Lamps	17212	Transmitters and Indicators
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DIVISION 1 (a) GENERAL REQUIREMENTS

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DIVISION 1 – GENERAL REQUIREMENTS

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SUMMARY OF WORK

1. GENERAL

1.1 Work Covered By Contract Documents

- .1 Work of this Contract comprises upgrading the existing Lift Station No.1 located in Iqaluit, NU.
- .2 Work includes but is not necessarily limited to the following general items:
 - .1 Removal and salvage/disposal of existing piping, electrical, mechanical and process components, redundant equipment and all other items to install new components.
 - .2 Demolition and replacement of current superstructure.
 - .3 Supply and installation of pumps, removable grinder channel, grinder and hoist.
 - .4 Installation of City Owned 100kW generator.
 - .5 Installation of water storage tank and pressure system complete with sink and small hot water tank, and other associated amenities.
 - .6 Boilers, HVAC and piping upgrades.
 - .7 Associated Mechanical, Electrical and Instrumentation/control work.
 - .8 Associated structural and architectural work.
 - .9 Associated civil and site works.
 - .10 Transportation to site and installation of above.

1.2 Contract Method

.1 Construct the Work under a stipulated lump sum contract.

1.3 Lift Station No. 1 Operation

- .1 Lift Station No. 1 services a substantial portion of Iqaluit and must remain in operation at all times.
- .2 The contractor shall schedule his work such that at least one (1) of the sewage pumps is operable at all times.
- .3 Should complete station shutdown be required the Contractor shall schedule such shutdown for periods of the day when incoming sewage flows are the lowest. The Contractor shall arrange and bear all costs to deal with incoming sewage flows during such

SUMMARY OF WORK

shutdown, by vacuum truck, temporary piping, temporary pumps or other means as appropriate.

.4 Any overflow from the station caused by the Contractors activities shall be immediately dealt with by the Contractor to the satisfaction of the governing authorities. The Contractor shall be solely responsible for all clean-up costs, legal costs and for all penalties, fines or similar charges levied by regulatory agencies or courts in relation to such overflows.

1.4 Contractor use of City Equipment and Forces

- .1 The City vacuum truck will be made available to the Contractor for \$225 / hour.
 - .1 Rate includes truck, driver, helper, fuel, and dump at lagoon.
 - .2 Truck is available between the hours of 8 am and 6 pm daily.
- .2 City requires a minimum 48 hour notice in advance of use of its equipment and forces.

1.5 Contractor use of Premises

- 1 Contractor shall coordinate his activities with the Iqaluit Operation Personnel to ensure NO interruptions to the operation of the existing Lift Station No. 1.
- .2 The Contractor is to coordinate the construction in such a manner as to provide no impact on the users of the sanitary sewer system.
- .3 Assume full responsibility for protection and safekeeping of Products under this Contract.
- .4 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.

2. PRODUCTS – NOT USED

3. EXECUTION - NOT USED

WORK SEQUENCE AND TIE-INS

GENERAL

1.1 Special Scheduling

- .1 Prior to starting any construction, the Contractor shall submit a detailed schedule for all work and activities which affect operation of the existing services, including work that involves breaking into or connecting to existing services.
- .2 The Contractor shall work with the City and the Engineer to finalize the work sequence for all work that affects operation of the existing services, to the satisfaction of the City and the Engineer. The Contractor's detailed schedule shall clearly indicate the required operation and/or lock-out of the existing services or system, related to the interruption or shutdown.
- .3 The City shall be responsible for operating and/or locking-out existing services or systems related to the interruption or shutdown.
- .4 Such scheduling shall be coordinated so as to minimize interruption to lift station operation. In the event of conflict between construction activities and the operation of the lift station, the operation of the lift station shall be given priority and the Contractor shall re-schedule construction activities to accommodate the operation.
- .5 The Contractor shall adhere to schedules approved by the Engineer.
- .6 Whenever proposing a change in the construction program, submit the revised schedule to the Engineer for review and approval.
- .7 Claims for additional compensation or extension of the contract time on account of the special scheduling requirements will not be considered.

1.2 Working Hours

- .1 Coordination of work requiring interaction between the Contractor and the Owner and or Engineer, shall be confined between the hours of 8:00 a.m. and 5:00 p.m. on weekdays.
- .2 Coordination of work requiring assistance from the City's Operating Personnel shall be confined between the hours of 7:30 a.m. and 3:30 p.m. on weekdays.

2. PRODUCTS - NOT USED

3. EXECUTION - NOT USED

ALLOWANCES

1. GENERAL

1.1 Cash Allowances

- Include all cash allowances in the Contract Price.
- .2 Cash allowances, unless otherwise specified, shall cover the net cost of the service delivered.
- .3 The Contract Price, not the cash allowance, shall include handling costs on site, labour, installation costs, overhead and profit, and all other expenses in connection with such service, unless otherwise specified.
- .4 Where cost under a cash allowance varies from the amount of the allowance, the Contract Price will be adjusted accordingly with an increase or decrease in overhead and profit based on the percentage set out in the Contract Documents for Changes in the Work.
- .5 Submit evidence of costs in connection with cash allowances as the Engineer may require.
- .6 Progress payments on account of authorized purchases under cash allowances will be certified on the Engineer's monthly certificates.
- .7 Prepare a schedule indicating when items specified under cash allowances must be ordered so that progress of the Work will not be delayed.
- .8 Schedule of Cash Allowances:
 - .1 Include the combined stipulated sum of \$25,000.00 for the supply and installation of:
 - A new electrical service from Nunavut Power Corporation.
 - .2 A new telephone service from Northwest Tel.

2. PRODUCTS - NOT USED

3. EXECUTION - NOT USED

1. SITE CONDITIONS/LIMITS

1.1 Examination of Site

- .1 Prior to commencing actual construction work, inspect field conditions, obtain and confirm actual site dimensions, examine surface conditions as required to ensure correct execution of the Work.
- .2 Commencement of construction constitutes acceptance of existing conditions and means dimensions have been considered, verified and are acceptable.

2. DOCUMENTS/INSTRUCTIONS

2.1 Documents Provided

.1 The Engineer will provide, without charge, as many copies of the Contract Documents or parts thereof as are reasonably necessary for the performance of the Work.

2.2 Discrepancies/Omissions

- .1 Notify the Engineer immediately upon discovery of discrepancies or omissions in the Contract Documents or of any doubt as to the meaning or intent of any part thereof.
- .2 To proceed with the work when an error is suspected or when there is doubt as to the interpretation of the project requirements constitutes full acceptance of any cost associated with any remedial work which may be required.

2.3 Documents on the Site

- .1 Maintain one copy of all current Contract Documents, all shop drawings and a site specific Health and Safety plan on site, in good order and available to the Engineer or his representatives.
- .2 This requirement does not include the actual executed set of Contract Documents.

2.4 Definition of Trades/Jurisdiction

- 11 For convenience of reference only, the specifications are separated into titled sections (see Table of Contents). Sections are identified by title and a five digit numbering system.
- .2 In the case of a dispute, the General Contractor shall decide which Subcontractor supplies and installs required materials or equipment. Extras will not be considered on the grounds of differences in interpretation of the specifications as to which Subcontractor does what works.

3. PROJECT COORDINATION

- .1 Coordinate progress schedules, submittals, use of site, temporary utilities, construction facilities and construction work.
- .2 Submit construction progress schedule in accordance with Section 01310.

4. CUTTING AND PATCHING

4.1 Submittals

- .1 Submit written request and receive approval in advance of cutting or alteration which affects:
 - .1 Structural integrity of any element of Project.
 - .2 Integrity of weather-exposed or moisture-resistant elements.
 - .3 Efficiency, maintenance, or safety of any operational element.
 - .4 Visual qualities of sight-exposed elements.
 - .5 Work of Owner or separate contractor.

.2 Include in Request:

- .1 Identification of Project.
- .2 Location and description of affected work.
- .3 Statement on necessity for cutting or alteration.
- .4 Description of proposed work, and products to be used.
- .5 Alternatives to cutting and patching.

4.2 Materials

.1 Change in materials: Submit request for substitution under provisions of Section 01600.

4.3 Execution

- .1 Execute cutting, fitting, and patching including excavation and fill to complete the Work.
- .2 Fit the several parts together, to integrate with other work.
- .3 Uncover work to install ill-timed work.

- .4 Remove and replace defective and non-conforming work at no extra cost to owner.
- .5 Remove samples of installed work for testing.
- .6 Provide openings in non-structural elements of Work for penetrations of mechanical and electrical work.

4.4 Inspection

- .1 Inspect existing conditions, including elements subject to damage or movement during cutting and patching.
- 2 Record and notify engineer of pre-existing damage.
- .3 After uncovering, inspect conditions affecting performance of work.
- .4 Beginning of cutting or patching means acceptance of existing conditions.

4.5 Preparation

- .1 Provide supports to assure structural integrity of surroundings; devices and methods to protect other portions of project from damage.
- .2 Provide protection from elements for areas which may be exposed by uncovering work; maintain excavations free of water and ice.

4.6 Performance

- .1 Execute work by methods to avoid damage to other work, and which will provide proper surfaces to receive patching and finishing.
- .2 Employ original installer to perform cutting and patching for weather-exposed and moisture-resistant elements, and sight-exposed surfaces.
- .3 Cut rigid materials using masonry saw or core drill. Pneumatic or impact tools not allowed without prior approval from engineer.
- .4 Restore work with new products in accordance with requirements of Contract Documents.
- .5 Fit work airtight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- .6 At penetration of fire-rated wall, ceiling, or floor construction, completely seal voids with fire-rated material, full thickness of the construction element.
- .7 Refinish surfaces to match adjacent finishes: for continuous surfaces refinish to nearest intersection; for an assembly, refinish entire unit.

5. COORDINATION AND SCHEDULE

- .1 Other parties and/or Contractors (and their subcontractors) that will be working within and adjacent to the site include, but are not necessarily limited to the following:
 - .1 The Owner Operator Staff
 - .2 The Contractor shall, after assuming responsibility for the Owner supplied equipment, be responsible for:
 - .1 Equipment installation
 - .2 Equipment performance testing
 - .3 Process system performance testing
 - .4 Operations and maintenance training