

1. WORK OF THIS CONTRACT

.1 Work of this contract comprises the following:

.1 Supply all labour, materials, and equipment necessary for: the replacement of existing utilidor pipelines and installing new laterals and installation of new utilidor lines identified as Loop 3 and as described herein in two phases.

.1 Phase 1:

1A: Replacement of the main utilidor water lines. Between access vaults AV10 and 11 approximately 84m of pipe, including the reconnection of the existing laterals to the line. Between Access Vaults AV11 and 12 approximately 84m of pipe including the reconnection of the existing laterals to the lines.

1B: Replace four 90 degree elbows with the following configuration each: two 45 degree elbows with approximately two feet of straight run between in locations shown in drawing G-03, in AV numbers 4, 10, 29, & 30

1C: Replace the 90 degree elbow in AV number 8 with a cap and a clean-out tee as shown in drawing G-03

1D: Installation of 12 new Water Laterals. Install water laterals to units ~~98, 85, 104, 93, 92,~~ 591, 91, 114, 74, 192, 75 and 37-011 as per drawing # G-03 and specifications. Upon contract award, work on this portion can be done immediately using pipe supplied by the Government of Nunavut that is already in the community but is to be replaced as described in this Section. All other materials and equipment necessary to complete the work are to be supplied by the Contractor.

1E: Install and/or test and replace all curb box check valves, sewer check valves (back flow prevention) and curb boxes as designated on drawing # G-03 and described in SK-17, except for Housing units 98, 85, 104, 93, 92, Unit price is requested.

1F: Install heat tape on fire hydrant systems as described in Sections 16010 and 16867 and as per drawing E-01. Install insulation as described in Section 02510, Paragraph 2.1.2.8

1G: Test all existing lines and valves etc. for functionality as directed by the Engineer. If leaks are detected, then the replacement of these lines will be made along with reconnecting the laterals to the lines. Test all work in this Contract and Backfill as per drawing SK-Chlorinate and return the utilidor to service.

1H: Provide a new by-pass valve for AV-3

- 1J: Contractor is to supply additional replacement pipe as follows
160 m of 150mm sewer main pipe as described in section 02510 of these specifications.
320m of 200mm water main pipe as described in section 02510 of these specifications.

TABLE FOR NEW WATER LATERALS TO BE INSTALLED

5 Housing Association Units					
	No.	Fe	m.	Tank	Curb Boxes Required?
Adam Kalluk	99	105	32.00	On a tank	No box required, unless damaged during contract
Janice Kalluk	85	50	15.24	On a tank	No box required
Anna Nungaa	104	57	17.37	On a tank	Box required
Matthew Nungaa	93	53	16.15	N/A	Box required - is on a shared water line from Manhole AV 7
Simon Idlout	92	44	13.41	On a tank	Box required
7 Private Units					
	No.	Lin ft	m.		
RCMP	591	53	16.15		Box required. At present is on a shared waterline from AV 7
RCMP	91	140	42.67		Box required. At present is feeding off Housing Unit # 105
S. Ulayuruluk	114	62	18.90		Box required. At present is feeding off Staff Unit 37-011
I. Kalluk	74	53	16.15		Box required. At present is on shared waterline from AV 7
T. Manik	192	63	19.20		Box required. At present is on shared waterline from AV 7
P. Kalluk	75	56	17.07		Box required. At present is on shared waterline from AV 27
P. Attagootak	Staff Unit 37-011	68	20.73		

.2 Phase 3:

Install extension to main Utilidor lines designated as Loop 3 including Access Vaults, Hydrants, Valves, Tees and Curb Boxes c/w sewer check valves as described on Drawing # G-D-03 and adhering to these specifications.

OPTION 1

- .1 AV # 16 to AV # 41, 69 m (water only)
- .2 AV # 41 to AV # 40, 70 m (water only)
- .3 AV # 40 to AV # 42, 83 m (water & sewer)
- .4 AV # 42 to AV # 43, 72 m (water & sewer)
- .5 AV # 43 to AV # 44, 72 m (water & sewer)
- .6 AV # 44 to AV # 32, 35 m (sewer only)
- .7 AV # 44 to AV # 12, 76 m (water only)

OPTION 2

- .1 AV # 16 to AV # 41, 69 m (water only)
- .2 AV # 41 to AV # 42, 46 m (water & sewer)
- .3 AV # 42 to AV # 43, 72 m (water & sewer)
- .4 AV # 43 to AV # 44, 72 m (water & sewer)
- .5 AV # 44 to AV # 32, 35 m (sewer only)
- .6 AV # 44 to AV # 12, 76 m (water only)

- .2 Timing of this work is important. The hamlet of Resolute Bay is expecting at least one new 5-plex to be delivered by barge in 2005, and to be ready for occupancy by the end of construction season, 2006.
- .3 Pipe materials for the 12 new laterals and 900 feet of Heat tracer for these laterals will be supplied by the Government of Nunavut and are currently on site, however, the contractor is responsible to replace the pipe that is used, The Contractor is responsible for all other materials needed to complete this project. Some of these materials may need to be flown in.
- .4 Access Vaults will be supplied by the contractor. These may be of steel or of site-placed reinforced concrete. Drawings and specifications of these will be provided by the consultant to all bidders in an addendum at the latest one week prior to close of tender bid. It is desirable to meet barge-delivery (through Montreal) for the 2005 season so that this portion of Loop 3 can be completed in time to receive the new housing unit.
- .5 Physical Limits: Work of the contract is to be restricted to work within the right of ways for the utilidor and by invitation of the individual property owner to repair the laterals to each individual property.

2. CONTRACT TIME

- .1 Time and all time limits stated in the contract documents are of the essence of the contract. Contractor shall perform work expeditiously, and with adequate forces to attain Interim Acceptance of the work within the contract time.
- .2 Date of commencement of the contract shall be the date of issuance of the Letter of Intent.
- .3 Upon receipt of Letter of Intent, promptly and without undue delay, commence work on site.
- .4 Attain Interim Acceptance of the work within 8 weeks after date of commencement of contract and in any case, no later than October 12, 2005.

3. CONTRACTUAL ARRANGEMENT

- .1 Work shall be performed under a single contract under a Stipulated Price Arrangement modified by unit pricing as follows:
 - .1 Provide unit pricing for each sub-phase of Phase 1
 - .2 Provide unit pricing for Phase 3
 - .3 Provide Unit Pricing for the Combination of the two (2) Phases i.e. Phase 1 and Phase 3.

4. CONTRACTOR'S USE OF PREMISES

- .1 Contractor shall have partial use of premises for performance of the work. The utilidor will continue to be used to the maximum extent possible throughout the work and the premises being served by the utilidor will continue to be occupied throughout construction period.
- .2 Cooperate and coordinate work with the Utilidor Maintainer and building occupants to minimize conflict, and facilitate usage.
- .3 Maintain safe egress for all buildings at all times. Maintain vehicle and emergency vehicle access to all buildings.

5. HOURS OF WORK

- .1 Work not generating excessive noise may be carried out on a 24-hour basis, if necessary, provided that governing municipal bylaws are complied with.

END OF SECTION 01010