

Re: CONTRACT NO. 8618
WEST BURNABY MOUNTAIN WATER SYSTEM UPGRADING

ACTING MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Director Finance be adopted.

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TO: MUNICIPAL MANAGER
FROM: DIRECTOR FINANCE
RE: CONTRACT NO. 8618
WEST BURNABY MOUNTAIN WATER SYSTEM UPGRADING
1986 DECEMBER 24

RECOMMENDATION

1. That a contract be awarded to the lowest bidder, Granville Contracting Ltd. to perform the subject work for a total cost of \$637,741.50 with final payment based on actual quantities and unit prices tendered.

REPORT

Tenders for this project were received up to 3:00 p.m. local time, Friday 1986 December 12.

The work of this contract consists of the supply of all materials, labour and equipment necessary for the construction of the West Burnaby Mountain Water System upgrading which includes a 2.25 million litre reinforced concrete water storage reservoir, 1.6 km of watermain, a pressure reducing valve station and modifications to two existing pumping stations including installation of an owner supplied 75 kw standby genset.

Our consultant, Kerr Wood Leidal Associates Ltd. had estimated the cost of this work to be approximately \$700,000.00.

Thirteen (13) tenders were received and opened by Municipal staff in the presence of representatives of the firms bidding.

A tabulation of the tenders received is attached (Attachment A). Also attached is a copy of the schedule of approximate quantities and unit prices submitted by the lowest bidder, Granville Contracting Ltd. (Attachment B).

The funding for this work is provided for in the 1986 capital budget under Waterworks Projects.

The Director Engineering and our consultant, Kerr Wood Leidal Associates concur with the above recommendation.



Howard Karyas
DIRECTOR FINANCE

JV:er

cc: Director Engineering

ITEM 1
 MANAGER'S REPORT NO. 1
 COUNCIL MEETING 1987/01/05

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|--------------|--------------|
| Tender Total | \$671,725.00 |
| 1. | \$641,407.00 |
| 2. | \$732,109.00 |
| 3. | \$639,663.00 |
| 4. | \$682,980.20 |
| 5. | \$815,727.00 |
| 6. | \$656,515.00 |
| 7. | \$710,924.65 |
| 8. | \$676,210.30 |
| 9. | \$654,307.17 |
| 10. | \$637,741.50 |
| 11. | \$847,305.00 |
| 12. | \$721,393.00 |

TENDER TABULATION
 CONTRACT # 8618
 WEST BURBARY MOUNTAIN WATER SYSTEM UPGRADING



| | |
|-------------------|--|
| Bidder | |
| 1. | BEL Construction |
| 2. | Forge Contracting Ltd. |
| 3. | Riverside Excavating Ltd. |
| 4. | H.B. Contracting |
| 5. | A.B.S. Contracting Ltd. |
| 6. | C.M.S. Contracting Ltd. |
| 7. | P. Baratta Construction Ltd. |
| 8. | Progressive Contracting (Langley) Ltd. |
| 9. | Jack Gewe Ltd. |
| 10. | Mutual Construction Ltd. |
| 11. | Granville Contracting Ltd. |
| 12. | C. Victor Koran Ltd. |
| 13. | Western Versatile Construction Corporation |
| <u>Low Bidder</u> | |
| | Granville Contracting Ltd. |
| | 3706 Commercial Dr. |
| | Vancouver, B.C. |
| | V5N 5K5 |

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THE CORPORATION OF THE DISTRICT OF BURNABY
CONTRACT NO. 8618

FORM OF TENDER

The immediately following schedules shall be read with and form part hereof as if embodied herein:

- Schedule 1 - Approximate Quantities and Unit Prices
- Schedule 2 - Preliminary Construction Program
- Schedule 3 - Tenderer's Experience
- Schedule 4 - Sub-Contractors
- Schedule 5 - Tenderer's Proposed Variations

Schedule 1 - Approximate Quantities and Unit Prices

Note: Refer to Section 01150 of the Contract Specifications for a more detailed description of each tender item.

| Item | Description | Unit | Est. Qty. | Unit Price | Amount |
|--|---|------|-----------|------------|-----------------|
| <u>PART 1 - GENERAL</u> | | | | | |
| 1.1 | Mobilization and Demobilization (Refer to Section 01150 for maximum amount and payment.) | L.S. | | | <u>20,000</u> L |
| <u>PART 2 - PIPE LINES AND CONTROL CABLE</u> | | | | | |
| 2.1 | Construct 200mm Ø D.I. watermain c/w valves and fittings from the Curtis-Duthie pump station to the connection at Duthie Ave. | m | 56 | <u>180</u> | <u>10,080</u> |
| 2.2 | Construct 250mm Ø D.I. watermain c/w valves and fittings on Curtis St. from Augusta to Sta. 7+36 | m | 736 | <u>141</u> | <u>103,776</u> |
| 2.3 | Construct 250mm Ø D.I. watermain c/w valves and fittings from Sta. 7+36 to the Reservoir Valve Station | m | 76 | <u>125</u> | <u>9,500</u> |
| | | | | | 2 |

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Schedule 1 - Approximate Quantities and Unit Prices

| Item | Description | Unit | Est. Qty. | Unit Price | Amount |
|--|---|------|-----------|--------------|----------------|
| 2.4 | Construct 250mm Ø D.I. watermain c/w valves and fittings on Burnwood Ave. from Curtis St. to Hastings St. | m | 571 | <u>105</u> | <u>59,955</u> |
| 2.5 | Construct 250mm Ø D.I. watermain c/w valves and fittings on the Burnwood and Pandora rights-of-way between Hastings and Ridgeview | m | 321 | <u>106</u> | <u>34,026</u> |
| 2.6 | Construct fire hydrant assemblies | Each | 3 | <u>2000</u> | <u>6,000</u> |
| 2.7 | Testing and disinfection of piping | L.S. | | | <u>3,500</u> |
| 2.8 | Supply and install signal cable in common trench | m | 868 | <u>2.50</u> | <u>2,170</u> |
| 2.9 | Supply and install signal cable and trench | m | 211 | <u>41.00</u> | <u>8,651</u> |
| | Subtotal Part 2 | | | | <u>237,658</u> |
| <u>PART 3 - CURTIS-DUTHIE PUMP STATION</u> | | | | | |
| 3.1 | Structural, metal work and site work | L.S. | | | <u>13,949</u> |
| 3.2 | Installation and testing of genset and appurtenances | L.S. | | | <u>3,960</u> |
| 3.3 | Installation of pressure reducing station | L.S. | | | <u>11,843</u> |
| 3.4 | Electrical work | L.S. | | | <u>13,387</u> |
| | Subtotal Part 3 | | | | <u>43,134</u> |

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Schedule 1 - Approximate Quantities and Unit Prices

| Item | Description | Unit | Est. Qty. | Unit Price | Amount |
|---|---|------|-----------|------------|----------------|
| <u>PART 4 - CURTIS RESERVOIR</u> | | | | | |
| 4.1 | Site clearing | L.S. | | | <u>8,255</u> |
| 4.2 | Access road construction | L.S. | | | <u>23,676</u> |
| 4.3 | Reservoir excavation and backfill | L.S. | | | <u>25,924</u> |
| 4.4 | Reservoir and valve station piping and drains | L.S. | | | <u>31,872</u> |
| 4.5 | Reservoir construction | L.S. | | | <u>140,219</u> |
| 4.6 | Valve station construction | L.S. | | | <u>5,141</u> |
| 4.7 | Testing and disinfection of reservoir | L.S. | | | <u>3,500</u> |
| 4.8 | Landscaping | L.S. | | | <u>7,584</u> |
| | Subtotal Part 4 | | | | <u>246,171</u> |
| <u>PART 5 - PHILIPS PRESSURE REDUCING STATION</u> | | | | | |
| 5.1 | Station construction | L.S. | | | <u>6,596</u> |
| 5.2 | Piping and mechanical work | L.S. | | | <u>10,422</u> |
| | Subtotal Part 5 | | | | <u>17,018</u> |

FORM OF TENDER

Schedule 1 - Approximate Quantities and Unit Prices

| Item | Description | Unit | Est. Qty. | Unit Price | Amount |
|---|--|------|-----------|------------|---------------|
| <u>PART 6 - PANDORA PRESSURE REDUCING STATION</u> | | | | | |
| 6.1 | Removal of existing equipment and site restoration | L.S. | | | <u>1,542</u> |
| 6.2 | Mechanical work | L.S. | | | <u>6,386</u> |
| 6.3 | Electrical work and removal of existing electrical equipment | L.S. | | | <u>4,900</u> |
| | Subtotal Part 6 | | | | <u>12,826</u> |

PART 7 - INDETERMINATE ITEMS

| | | | | | |
|-----|--|-------|----|-------------|---------------|
| 7.1 | Overexcavation of unsuitable material and replacement with compacted 50mm minus pit run backfill as requested by Corporation | tonne | 45 | <u>4.50</u> | <u>202.50</u> |
| 7.2 | Overexcavation of unsuitable material and replacement with compacted 20mm minus road base material as requested by Corporation | tonne | 15 | <u>4.00</u> | <u>60.00</u> |
| 7.3 | Supply of imported 50mm minus pit run backfill as requested by Corporation | tonne | 90 | <u>4.55</u> | <u>409.50</u> |
| 7.4 | Supply of imported general backfill as requested by Corporation | tonne | 45 | <u>3.50</u> | <u>157.50</u> |

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Schedule 1 - Approximate Quantities and Unit Prices

| Item | Description | Unit | Est. Qty. | Unit Price | Amount |
|------|--|-------|-----------|-------------|---------------|
| 7.5 | Supply and placement of imported topsoil as requested by Corporation | tonne | 15 | <u>7.00</u> | <u>105.00</u> |
| | Subtotal Part 7 | | | | <u>934.50</u> |

*PART 8 - CONTINGENCY ALLOWANCE

8.1 Contingency Allowance L.S. \$ 50,000

Summary of Tender

| | | | | | |
|--------|-----------------------------------|--|--|--|-----------------------------|
| Part 1 | General | | | | |
| Part 2 | Pipelines and Control Cable | | | | <u>30,000⁰⁰</u> |
| Part 3 | Curtis-Duthlie Pump Station | | | | <u>237,655⁰⁰</u> |
| Part 4 | Curtis Reservoir | | | | <u>43,134⁰⁰</u> |
| Part 5 | Philips Pressure Reducing Station | | | | <u>246,171⁰⁰</u> |
| Part 6 | Pandora Pressure Reducing Station | | | | <u>17,018⁰⁰</u> |
| Part 7 | Indeterminate Items | | | | <u>12,826⁰⁰</u> |
| Part 8 | Contingency Allowance | | | | <u>934⁰⁰</u> |
| | | | | | 50,000 |

TOTAL TENDER PRICE
Parts 1 - 8 Inclusive 637,741⁰⁰

Approximate value of the Federal Sales Tax exempt materials to be used on this project is \$ 340,000⁰⁰

(For clarification of the procedures to be followed by the Contractor in obtaining a Federal Sales Tax Refund, the Contractor is referred to Section 01150 of the Specifications.)

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It is understood and agreed that the quantities stated herein are approximate only and are given for the purpose of providing a uniform basis for the comparison of tenders. Payment will be made only on the quantities as actually determined on final measurement in the field.

*Payment of the Contingency Allowance or portions thereof will only be made in the event that the Engineer authorizes additional work, in which case the amount of the payment will be determined as specified in the General Conditions. Any unused portion thereof will be retained by the Owner.

It is also understood that the lowest or any tender will not necessarily be accepted.

Frank Ziles
WITNESS

GRANVILLE CONTRACTING LTD.
COMPANY NAME

Dec 12 / 81
DATE

3706 COMMERCIAL ST., VANCOUVER, B.C.
COMPANY ADDRESS V5N 4G2

875 1611
TELEPHONE

[Signature]
SIGNATURE OF TENDERER