Re: Engineering Services for the Design of Roads and a
Parking Lot Layout Related to Municipal Hall Renovations
(Report of the Municipal Hall Capital Committee to Council, Apr.21/75)

Following is a report from the Municipal Engineer regarding tenders for the design of the subject work. The tenders were invited in compliance with the authorization that was given on April 21, 1975 when Council considered a report from the Municipal Hall Capital Committee on a renovations and site development plan.

RECOMMENDATION:

1. THAT Council ratify the Municipal Manager's action to have the selected consultant commence work on May 2, 1975 prior to having an engineering agreement formalized, and that such an agreement be entered into with R.F. Binnie Ltd. for an upset fee of \$5,765 plus disbursements.

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TO: MUNICIPAL MANAGER

MAY 2, 1975

FROM: MUNICIPAL ENGINEER

RE: ENGINEERING SERVICES FOR DESIGN OF ROADS AND PARKING LOT RELATED TO MUNICIPAL HALL RENOVATIONS

Further to Council's approval on April 21, 1975 of a Municipal Hall Site Development plan, I have invited proposals from three qualified consultants to provide engineering services for the survey, design and preparation of quantity schedules for the proposed internal service road, the revised parking lot layout, the relocated bus and passenger drop-off loop and the new entrance into the vehicle compound. Their terms of reference also included all necessary drainage facilities and post top lighting for all areas noted above.

The three proposals have now been received and I hereby submit the following synopsis with comments:

- 1. All three proposals, copies of which are attached (Attachments "A", "B" and "C"), are in accordance with the terms of reference given to the consultants at the time they were interviewed and all state that the work can be completed by May 31, 1975.
- 2. All proposals also state that their fees will be charged in accordance with the "Scale of Minimum Fees" published by the Association of Professional Engineers of British Columbia. More specifically the fees requested are as follows:
 - (i) Robert F. Binnie Ltd. fees not to exceed \$5,765. plus disbursements.
 - (ii) Vector Engineering Services Ltd. fees not to exceed \$6,000. plus disbursements.
 - (iii) McElhanney Surveying & Engineering Ltd. fee estimated to be \$6,900. plus disbursements.

Based on these proposals and the fact that time is of the essence, I have advised R. F. Binnie Ltd., to commence work this morning, Friday, May 2, 1975 and that a formal engineering agreement will be entered into early next week.

RECOMMENDATION:

THAT Council confirm the Municipal Manager's action to authorize the selected consultant to commence work on May 2, 1975 prior to having an engineering agreement formalized, and that such an agreement be entered into with R. F. Binnie Ltd. for an upset fee of \$5,765. plus disbursements.

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Atts.

: () Director of Planning

) Chief Building Inspector - Project Coordinator

() Municipal Treasurer

MUNICIPAL ENGINEER

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A

Robert F. Binnie Ltd.

R.F.Binnie, P.Eng.

650 CLYDE AVENUE WEST VANCOUVER BRITISH COLUMBIA V7T 1E2
TELEPHONE 926-7734

B.F. DATE

ENGINEERING DE

MAY 0 1 1975

May 1, 1975

The Corporation of the District of Burnaby 4949 Canada Way BURNABY, B. C.

Attention: Mr. V. N. Wiebe, P. Eng.

Design Engineer.

Dear Sirs:

Engineering Design, Municipal Complex Road and Parking Lot.

Thank you for requesting a proposal for performing the above-mentioned work.

We understand the civil work consists of the following:

1. Complete design of the proposed Internal Service Road, this design to tie into the existing curb and gutter on Gilpin Street and Canada Way.

The existing curb and gutter on the present road is to be retained to the fullest possible extent.

The road width between curb faces is to be 46 feet.

- 2. Complete design of the Municipal parking lot, including the city bus stop.
- 3. Complete design of the access roads to the vehicle compound areas i.e., not including the parking areas.
- 4. Complete design of storm sewers as required to accommodate storm water from all of the above-mentioned areas as well as the school parking lot, vehicle compound area and adjoining 33-car parking lot.

... 2.

(2)

The Corporation of the District of Burnaby

May 1, 1975

It is understood that the Corporation of the District of Burnaby will provide the following:

- 1. A base line along the centreline of the Internal Service Road.
- 2. Furnish all necessary legal drawings and ties thereto from the base line that are required to properly locate the entire works.
- 3. As-built drawings of existing storm sewers and their capacities if there is any danger of overloading them.
- 4. Where storm sewers are not available for the discharge of storm water, we will be advised as to the discharge location.

We are prepared to undertake the civil design as described above for a sum not to exceed Four Thousand Nine Hundred and Seventy-Five dollars (\$4,975.00). Our fees will be based on the scale of minimum fees outlined by the Association of Professional Engineers of British Columbia.

Insofar as the lighting is concerned, we would engage the services of R. P. Shaflik Engineering Ltd. and, based on the above-mentioned schedule of fees, the amount for the complete electrical design will not exceed an additional Seven Hundred and Ninety dollars (\$790.00).

In order to avoid any delay, we may ask for assistance from you to have B. C. Hydro provide us with the electrical take-off points promptly.

We understand you will be establishing the base line this weekend. Our schedule contemplates survey work during the evenings of the following week and completing the field survey the following weekend (May 10th and 11th).

... 3.

Robert F. Binnie Ltd.

(3)

The Corporation of the District of Burnaby

May 1, 1975

The work will, to all intents and purposes, be to the same standards as our present street design engineering contracts, the take-off of quantities being included.

We understand that the work <u>must</u> be completed by May 31, 1975, but we will do our utmost to complete the work by May 23, 1975.

In order to do this, we must have immediate advice from you if we are to be awarded the work.

In summary, we are prepared to undertake the entire works outlined for a sum not to exceed Five Thousand, Seven Hundred and Sixty-Five dollars (\$5,765.00).

We trust you will find this satisfactory.

Yours very truly,

ROBERT F. BINNIE LTD.

RFB: eb

R. F. Binnie, P. Eng.

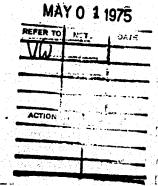
B

Vector engineering services ltd.

3375 NORLAND AVENUE - BURNABY, B.C. V5B 3A9

TELEPHONE 298-2333

RECEIVED IN ENGINEERING DEP



April 30, 1975

The Corporation of Burnaby 4949 Canada Way Burnaby, B. C.

Attention: Mr. V. Wiebe

Dear Sir:

Re: Engineering Service for Municipal Complex Site Development Our File No. 57-09

Please be advised that our estimated fee of \$6,000.00 would include the preparation of a Schedule of Quantities for the work described in our first letter dated April 30, 1975.

Yours very truly,

VECTOR ENGINEERING SERVICES LTD.

W. R. Emigh

WRE/nk

Vector engineering services ltd.

3375 NORLAND AVENUE - BURNABY, B.C. V5B 3A9

TELEPHONE 298-2333

RECEIVED IN ENGINEERING DEPT.

APR 3 0 1975

REFER TO

April 30, 1975

The Corporation of Burnaby 4949 Canada Way Burnaby, B. C.

Attention: Mr. V. Wiebe

Dear Sir:

Re: Engineering Services for

Municipal Complex Site Development

Our File No. 57-09

We are pleased to submit our proposal to provide engineering service for the design of roads improvements and storm sewer installations discussed in your office on April 28, 1975. Our engineering service would include:

- The complete design, including field survey and drafting of storm sewer installations with outfalls to Canada Way and Gilpin Street. This proposed installation would be designed to serve the internal service road as well as proposed parking lots and adjacent catchment areas.
- 2. The complete design, including field survey and drafting, of the proposed widening and extension of the service road, bus loop, and access road to the vehicle compound.
- 3. The complete design of the proposed surface improvements for the 207 space parking lot.
- 4. The complete design of ornamental lighting for the roads and parking area.

Our fee for this work will be in accordance with Scale I of the Scale of Minimum Fees published by the Association of Professional Engineers of B. C. We estimate that this fee will not exceed \$6,000.00.

Page 2.

Our estimated fee does not include any allowance for disbursements as covered by Section V of the Scale of Minimum Fees and these would be charged at cost plus 10%. The use of a company survey van and personal vehicles would be charged as disbursements.

We estimate that 4 weeks will be required to complete this project. Should our proposal be accepted we would begin work on Saturday, May 3 in the area of the present parking lot.

We have not included any allowance in our estimate for proposed widening of Canada Way or Gilpin Street. The storm sewer outfall at the Gilpin Street end is anticipated to be in the vicinity of the Municipal West Building. We understand that survey control and other points of reference will be provided on the ground, by Municipal Survey Crews. Benkleman beam data would be supplied by Burnaby.

Thank you for the opportunity to present this proposal. Should you have any enquiries or need further information, please call our office.

Yours very truly,

VECTOR ENGINEERING SERVICES LTD.

...

WRE/nk

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MCELHANNEY SURVEYING & ENGINEERING LTD.

7832 - 120th STREET, SURREY, B.C., CANADA . PHONE: 596-0391 . ZENITH 6201

1 May 1975 File: P-355

The Design Engineer Corporation of the District of Burnaby Municipal Hall 4949 Canada Way Burnaby, B.C. V5G 1M2

Attention: Mr. Vic Wiebe, P. Eng.

Dear Sir:

Service Road and Parking Lot, Burnaby Municipal Hall

As discussed on Tuesday, we would be pleased to complete the topographical survey, engineering design and a quantity take off for the proposed four lane service road, the bus stop loop and the 207 parking space area at the above site.

We expect that there will be some weekend survey work to avoid conflict with parked vehicles. Existing drainage details will be provided by yourselves and drainage design is required on the area described but not beyond the limits of this area.

Streetlighting design is required and some 25 to 30 post top type standards will be involved.

We understand that the definition of the road centreline will be established by May 12th, at which time our work can commence. We expect to be in a position to deliver all plans to your office within 12 to 15 working days of the time the road centreline plan is available. You will supply Benkleman Beam results over the existing road areas.

Our fee for the work would be based on the minimum hourly rate schedule in the fee schedule of the Association of Professional Engineers of British Columbia. Our estimate for the work is \$6,900.00 plus dispersements as defined in the above schedule. We would also supply survey layour, construction management, etc., as decided later.

We thank you for the opportunity of submitting this proposal and look forward to working with you on the project.

Yours very truly,

McELHANNEY SURVEYING & ENGINEERING LTD.

F. T. Wilton, P. Eng., Manager

FTW: wjw

Lower Mainland Municipal Engineering Branch

MAY 0 1 1975	
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	DATE
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