

ITEM	16
MANAGER'S REPORT NO.	49
COUNCIL MEETING	1979 07 16

RE: ENGINEERING SERVICES FOR THE 1979 STORM DRAINAGE PROGRAM

Following is a report from the Municipal Engineer regarding proposals for the subject program.

Funds for the required services have been provided for in the budget.

RECOMMENDATION:

1. THAT the recommendation of the Municipal Engineer be adopted.

* * * * *

TO: MUNICIPAL MANAGER

79 07 11

FROM: MUNICIPAL ENGINEER

SUBJECT: ENGINEERING SERVICES FOR THE 1979 STORM DRAINAGE PROGRAM

RECOMMENDATION:

1. THAT the Corporation of Burnaby enter into an Engineering Agreement with Vector Engineering Services Ltd. for the provision of all engineering services to complete the design of the 1979 Storm Drainage Program as outlined in the Municipal Engineer's terms of reference dated 79 06 28 for a maximum fee of \$5,950, excluding disbursements, for Project "A", and a maximum fee of \$6,500, excluding disbursements, for Project "B".

REPORT

By way of the Municipal Engineer's letter dated 79 06 28, copy attached, we have invited three engineering consultants to submit a proposal for their engineering services for the design of the 1979 Storm Drainage Program.

Each of the three consultants has now responded with a proposal and our review of these proposals indicates that each understood the scope of the project and was able to meet our deadlines. As this work is relatively easy to define we are able to place a greater emphasis on the fee structure proposed by each of the consultants. A tabulation of their fee structure is as follows:

1. Vector Engineering Services Ltd. - Project "A" - \$5,950 -
excluding disbursements.
- Project "B" - \$6,500 -
excluding disbursements.
2. Robert F. Binnie Ltd. - Project "A" - No proposal.
- Project "B" - \$ 8,490 -
excluding disbursements.
3. Aplin and Martin Engineering Ltd. - Project "A" - \$16,388 -
excluding disbursements.
- Project "B" - \$21,678 -
excluding disbursements.

Each of the consultants indicated that their fees are fixed and subject to change only if the terms of reference are changed.

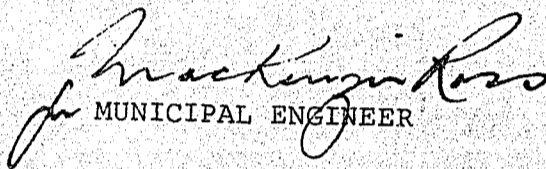
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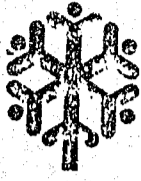
The supervision of construction for this program will be performed by R.F. Binnie Ltd. under the Engineering Agreement approved by Council at their meeting on 79 04 17 (Item 17, Manager's Report No. 30). This program falls in the category of "other capital works" as noted in the following Recommendation: 1 (b) of Item 17 of Manager's Report No. 30: 176

"1. (b) The provision of all required services for the supervision and construction of the 1979 Local Improvement Projects and other capital works and in accordance with the proposal submitted by Robert F. Binnie Ltd., dated 1979 04 10."

The supervision of this program by R.F. Binnie Ltd. is the only program that will fall within the above reference to "other capital works".


MUNICIPAL ENGINEER

VNW/ch
Att.
c.c. () Municipal Treasurer



THE CORPORATION
OF THE DISTRICT OF
BURNABY

4949 Canada Way, Burnaby, B.C. V5G 1M2
Engineering Department

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Telephone (604) 294-7460

79 06 28

Vector Engineering Services Ltd.
3375 Norland Avenue
Burnaby, British Columbia
V5B 3A9

Dear Sir:

RE: ENGINEERING SERVICES FOR
1979 STORM DRAINAGE PROGRAM

In addition to the Storm Drainage Program required as part of our Local Improvement Street Program this year, we have assembled a program of storm drainage which relates primarily to problem locations. This program has been divided into two projects as shown on the attached lists.

We would invite you to submit proposals for your engineering services for the field survey, drafting and design for either or both of the projects listed. This work shall be performed in accordance with the Corporation's current standards and specifications and as detailed on the attached specifications. All work shall be done in metric format and therefore I would request that you ignore all references to imperial measure as they may appear in our specifications and/or on the attached sheets.

Information regarding existing facilities adjacent this site will be made available by the Corporation's Design Division based on their records. It will be the Design Consultant's responsibility to prove out any existing facilities which may be in doubt. In this regard, the Corporation will arrange for the dig-outs.

Your proposal should be submitted in such a manner as to treat each of the projects independently. In this respect we are establishing a deadline of 1979 September 01 for construction of Project "A" and a construction deadline of 1979 October 01 for Project "B". Your proposal should

also outline the manner of payment for each project and include a brief resume of the personnel and any sub-Consultants, if necessary, whom you propose to use.

We would appreciate receiving your proposal on or before 1979 July 10.

Yours truly,

E.E. Olson, P. Eng.
MUNICIPAL ENGINEER

by: *[Signature]*
V.H. Wiebe, P. Eng.
DESIGN ENGINEER

VNW:sp
Attach.

cc: () Design Engineer

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Project "A"

<u>Street</u>	<u>Limits</u>	<u>Design Requisition</u>	<u>Comments</u>
Augusta	Kitchener to Halifax	790035	Eliminate flat grades; deep ditches.
L/N Kitchener	Rosser to L/E Madison	790036	Eliminate common drains.
L/N Charles	Rosser to L/E Madison	790037	Eliminate common drains.
Fell	Dundas to cul-de-sac north	790038	Eliminate deep ditches.
Ellerslie Ravine	Hastings - Ellerslie to Invergary Invergary - Hastings to Ravine	790039	Reroute storm and sewer and abandon existing sewer in easement (see enclosed Drawing #640109)
Warwick	Pandora to Dundas	790040	Eliminate ponding due to flat grades.
L/N Oxford	Willingdon to Rosser	790041	Eliminate ponding due to flat grades.
Sherlock	Curtis to Kitchener	790042	Eliminate flooding due to flat grades and substandard culverts.

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Project "B"

<u>Street</u>	<u>Limits</u>	<u>Design Requisition</u>	<u>Comments</u>
Edmonds	Mary to New Vista Place	790043	Eliminate flooding by installing new sewer in lane (see Design #700066)
L/E 16th Ave.	Humphries to L/N Kingsway	790044	Eliminate flooding due to substandard culverts.
Lane	Royal Oak to Kingsway	790045	Eliminate ponding due to flat grades.
Gilley	Imperial to Kingsway	790046	Eliminate ponding due to flat grades.
Gilpin	Mahon to Deer Lake Place	790047	Eliminate flat ditches.
Springer	Lougheed to Douglas	790048	Eliminate deep ditches.
Douglas	Lougheed to B.N.R.	790049	Eliminate deep ditches.
L/S Arbroath	Gilley to School Site (east)	790050	Lower storm sewer to serve properties.