

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

RE: ENGINEERING SERVICES FOR THE 1979 LOCAL IMPROVEMENT PROGRAM

Following is a report from the Municipal Engineer on Engineering Services for the 1979 Local Improvement Program.

Special care was taken by staff to ensure that proposals were received only from firms having proven records of reliability and the capability to perform all of the required work in an efficient and timely manner. This is the reason for inviting submissions from Binnie and Vector, both of which could be expected to produce quality work in accordance with scheduled deadlines. This is a particularly important prerequisite with respect to this year's program because it is running a bit late and timing could become a critical factor before it is finally completed.

Both proposals contain reasonable fees for the work to be performed.

RECOMMENDATION:

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

* * * * *

TO: MUNICIPAL MANAGER 79 04 11
 FROM: MUNICIPAL ENGINEER
 SUBJECT: ENGINEERING SERVICES FOR THE 1979 LOCAL IMPROVEMENT PROGRAM

RECOMMENDATION:

1. THAT engineering agreements be entered into between The Corporation and Robert F. Binnie Ltd. for:
 - (a) the provision of all required services for the engineering design of the 1979 Local Improvement Projects for both Parts "A" & "B" for a total price of \$16,480 excluding disbursements and in accordance with the proposal submitted by Robert F. Binnie Ltd., dated 1979 04 10.
 - (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.

REPORT

Municipal Council on 1979 04 09 received a Certificate of Sufficiency Report from the Municipal Clerk regarding the 1979 Local Improvement Program and in addition to the Local Improvement Program thus certified, a further report was asked for from the Engineering Department regarding the retention of several streets where the sufficiency of the petition against the work was not certified by the Municipal Clerk on at least one point. This report appears elsewhere in the Manager's Report for this evening.

(cont'd)

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

191

I DESIGN SERVICES FOR THE PROGRAM

In order to move forward rapidly with the successful Local Improvement Projects, we have invited proposals for the design of the Program from two consulting engineering firms who, in our opinion, are most eminently suited for and have considerable experience in the design of Local Improvement works.

In connection with the design of the works, we invited proposals from Vector Engineering Services Ltd. and Robert F. Binnie Ltd. by letter, 79 03 29, copy attached. We have received proposals from these two firms which proposed fees exclusive of disbursements for the program as follows:

- | | |
|----------------------------------|--------------------------|
| Robert F. Binnie Ltd. | - Project "A" - \$ 9,990 |
| | - Project "B" - \$ 6,490 |
| Vector Engineering Services Ltd. | - Project "A" - \$12,950 |
| | - Project "B" - \$14,950 |

From these proposals received it will be seen that Robert F. Binnie Ltd. has submitted the most attractive proposal for both parts of the Local Improvement Program; it is therefore recommended that R.F. Binnie Ltd. be retained to provide the engineering design for the 1979 Local Improvement Program for both Parts "A" and "B" for a total price of \$16,480 excluding disbursements and that the appropriate engineering agreement be entered into between The Corporation and Robert F. Binnie Ltd.

II SUPERVISION OF CONSTRUCTION FOR THE PROGRAM

It is always a desirable situation to have the engineering firm doing the design work to also supervise the construction of the works because of familiarity and continuity. This has not always been possible in the past, mainly because of making up programs from designs completed some years previously.

In 1979, we have the one firm (Robert F. Binnie Ltd.) who were successful in presenting the most attractive proposal for design of both parts of the program and we have no hesitation whatsoever in recommending that Robert F. Binnie Ltd. be retained to supervise the construction of the 1979 Program and other capital works in accordance with the second proposal received from the firm dated 1979 04 10. Performance and service from this firm in the past has been without parallel, resulting in considerable economies in both construction and engineering costs and in excellent public relations with the Burnaby citizens concerned with the works.

Accordingly, it is recommended that an engineering agreement be entered into between The Corporation and Robert F. Binnie Ltd. for the supervision of construction of the 1979 Local Improvement Program and other capital works.


MUNICIPAL ENGINEER

EEO/VDK/ch

Att.

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

79 03 29

R.F. Binnie Ltd.
650 Clyde Avenue
West Vancouver, B.C.
V7T 1E2

Dear Sirs:

Re: ENGINEERING SERVICES FOR 1979 LOCAL
IMPROVEMENT PROGRAM

Our 1979 Local Improvement Program has now been finalized and has been divided into two projects as indicated by the attached lists.

We hereby invite you to submit proposals for your engineering services for the field survey, drafting, and design of the projects listed. Please submit separate proposal for each project. The Corporation of Burnaby will reserve the right to award either or both projects to any one of the consulting firms submitting a proposal.

Please note that all pavement widths and description of improvements have been confirmed and cannot be revised in any way. Also note that some of the projects requiring storm sewer design have included older design numbers in brackets. It will be the consultant's responsibility to determine whether or not only a portion of a given project requires a new storm sewer and whether or not the existing design can be used in any way. If the storm sewer design is adequate and only requires conversion to a metric format then that will be the responsibility of the design consultant. With respect to the three jobs in Project "B" which require the design of a new water main, our preliminary investigation shows that in each case these are mains required to complete a loop and as such should be sized as a minimum 150 mm diameter. The ornamental street lighting design for all jobs which have a pavement width of 11 m or greater will be done by Municipal staff and in this respect we would request that the design consultant give these some priority so that we may co-ordinate our design with the proposed completion of the road design. All work shall be performed in accordance with the Corporation of Burnaby's current design standards and as detailed on the attached specification sheets.

Due to the lateness in finalizing our 1979 program, it is now imperative that all design work must be completed by not later than 1979 June 15. Therefore in an effort to meet this deadline I would request your proposals be submitted not later than 1979 April 10 which will then allow us sufficient time to have our Municipal Council ratify the engineering agreement with the successful consultant by April 16.

Yours truly,

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

by: V.N. Wiebe, P. Eng.
DESIGN ENGINEER

VWV/ch
Atts.
c.c. () Design Engineer

192

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979.04.17

1979 LOCAL IMPROVEMENT PROGRAM

193

PROJECT A

<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Improvement</u>
790007	Dow Avenue - Rumble Street to Portland Street	8.5 m	curbs B/S
790008	Halligan Street - Griffiths Avenue to Imperial Street	8.5 m	curbs B/S; storm sewer
790009	McKee Street - Royal Oak Avenue to McGregor Avenue	8.5 m	1.5 m curbwalks B/S; storm sewer
790010	Sussex Avenue - Grassmere Street to Burke Street	8.5 m	curbs B/S
	Sussex Avenue - Burke Street to Bond Street	8.5 m	curbs B/S
790011	Antrim Avenue - Imperial Street to cul-de-sac south	14 m	curbs B/S; storm sewer
790012	Grimmer Street - Royal Oak Avenue to E.P.L. of E/2 Lot 16	14 m	curbs B/S; storm sewer (See 71053)
790013	Lane Street - Royal Oak Avenue to Kingsway	14 m	curbs B/S; storm sewer (see 640513 9)
790014	MacPherson Avenue - Kingsway to Imperial Street	14 m	curbs B/S; storm sewer
790015	Palm Avenue - Imperial Street to Beresford Street	14 m	curbs B/S
790016	Royal Oak Avenue - Grimmer Street to Lane Street	14 m	curbs B/S; storm sewer (see 780013)

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

1979 LOCAL IMPROVEMENT PROGRAM

PROJECT B

<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Improvement</u>
790017	Esmond Avenue - Napier to L/S of William Street	11 m	curbs B/S; storm sewer
790018	Frances Street - Sperling Avenue to Grove Avenue	11 m	1.5 m curbwalks B/S; storm sewer
790019	Gilmore Avenue - Parker Street to Napier Street	11 m	curbs B/S
790020	Ingleton Avenue - First Avenue to Charles Street	11 m	curbs B/S; storm sewer; watermain
790021	First Avenue - Gilmore Avenue to Ingleton Street	14 m	curbs B/S
790022	Gilmore Avenue - Hastings to Parker Street	14 m	curbs B/S; 1.5 m abutting walk on W/S from L/S Hastings to Pender
790023	Graveley Street - Ingleton Avenue to cul-de-sac west of Douglas Rd.	14 m	curbs B/S
790024	Grant Street - Ingleton Avenue to Douglas Road	14 m	curbs B/S; storm sewer
790025	MacDonald Avenue - Grant Street to Second Avenue	14 m	curbs B/S; storm sewer (see 730019); watermain
790026	William Street - Boundary Road to Douglas Road	14 m	curbs B/S; storm sewer (see 740041); watermain
790027	Fell Avenue - Hastings to Frances Street	-	1.5 m separated sidewalk on W/S only.
790028	Madison Avenue - Venables Street to Parker Street	-	1.5 m separated sidewalk on E/S only

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

Vector engineering services ltd.

195

3375 NORLAND AVENUE - BURNABY, B.C. V5B 3A9 TELEPHONE 298-2333

1979 04 10

RECEIVED IN
ENGINEERING DEPT.

APR 10 1979

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

ATTENTION: Mr. V. N. Wiebe, P. Eng.
Design Engineer

REPORT NO.	DATED	DATE
UK		
ACTION BY		B.F. DATE

Dear Sir:

Re: Engineering Services for 1979 Local
Improvement Program
Our File No. 01-79-80

We have examined the work as outlined in your letter of 1979 03 29 and are pleased to submit our proposal for engineering services.

We acknowledge your completion date of 1979 06 15 and advise that our firm is in a position to complete one or both projects by this date.

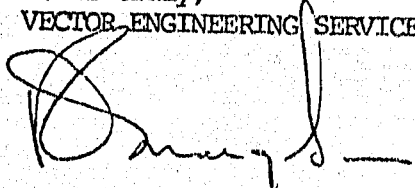
Our fees are based on payroll cost plus 100% for overhead and profit. Our maximum fees for projects A & B are as follows:

PROJECT A.....\$12,950.00
PROJECT B.....\$14,950.00

Our fee does not include any allowance for disbursements as covered by Section VI of the Scale of Minimum Fees and these would be charged as an expense additional to the maximum fee.

We thank you for the opportunity to present this proposal.

Yours truly,
VECTOR ENGINEERING SERVICES LTD.,



R. Margetson, C.E.T.

RM/kf

Robert F. Binnie Ltd.

650 CLYDE AVENUE/WEST VANCOUVER, BRITISH COLUMBIA V7T 1E2

R.F. Binnie, P. Eng.

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

1979-04-10

Department of the Engineer

The Corporation of the
District of Burnaby
4949 Canada Way
BURNABY, B.C. V5G 1M2

Attention: Mr. E. E. Olson, P. Eng.,
Municipal Engineer.

Dear Sirs:

Re: Engineering Services for 1979
Local Improvement Program.

Thank you for the opportunity of submitting a proposal for the above work.

We have assessed all of the requirements which accompanied your letter of 79-03-29 and our proposal outlined herein is based on those requirements.

We have also noted the requirements contained in your letter of 79-03-29 and, in particular, we acknowledge that the absolute deadline for completion of approved drawings is 79-06-15. We wish to advise that we are in a position to complete the work by this date.

Our fees will be base hourly rates using a 37½-hour week plus 25% for fringe benefits and 85% for overhead and profit.

On this basis, we are prepared to perform the work for the following maximum sums (upset price):

Project A	\$9,990.00
Project B	\$6,490.00

Disbursements are not included in the above proposed fees.

In order to complete the work in the time specified, it is imperative that we be provided with the survey control and other required information without delay.

Yours very truly,

ROBERT F. BINNIE LTD.

R. F. Binnie
R. F. Binnie, P. Eng.

RFB:eb

196

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

Robert F. Binnie Ltd.

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

R.F. Binnie, P. Eng.

197

1979-04-10

Department of the Engineer

The Corporation of the
District of Burnaby
4949 Canada Way
BURNABY, B. C. V5G 1M2

Attention: Mr. W. C. Sinclair, P. Eng.,
Operations and Construction Engineer.

Dear Sirs:

Re: 1979 Local Improvement Work and
Other Capital Works -
Supervision of Construction.

Thank you for your invitation to submit a proposal for the above work.

As you know, we have performed a great deal of similar work for the Corporation of the District of Burnaby over the past four years. We have every reason to believe that our previous work was satisfactory. However, your own staff will offer a more reliable assessment of our ability to function efficiently in the phases of work involved which include:

1. Preparation of tender documents.
2. Computation of unit quantities for tender purposes.
3. Working effectively with the District of Burnaby Engineering Department personnel at all levels.
4. Efficiently co-ordinating, scheduling, supervising and laying out the work.
5. Preparing monthly progress estimates.
6. Maintaining good public relations on behalf of the District of Burnaby.

... 2.

ITEM	17
MANAGER'S REPORT NO.	30
COUNCIL MEETING	1979 04 17

- 2 -

The Corporation of the
District of Burnaby

1979-04-10

For some thirty years I was successfully engaged in the heavy construction industry and was responsible for many Local Improvement Programs and similar projects. This experience has, I believe, proven extremely valuable in controlling contracts and effecting cost savings.

In the past three years we have developed some technical programs for our in-house computer which have reduced some engineering costs.

Although the entire 1979 construction program has not as yet been established, we are satisfied that we are fully capable of performing the work to your complete satisfaction and that we have the necessary staff and expertise to undertake the work.

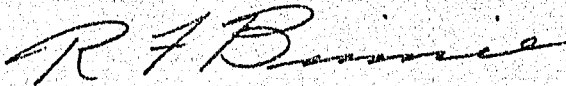
The senior personnel available for the work are basically the same as those provided for your 1978 L.I.P., storm sewer and street supervision work.

The preparation of quantities, tender documents and related work would largely be done by myself in conjunction with your staff.

Our fees will be base hourly rates using a 37½-hour week plus 25% for fringe benefits and 85% for overhead and profit.

Yours very truly,

ROBERT F. BINNIE LTD.



R. F. Binnie, P. Eng.

RFB:eb

Robert F. Binnie Ltd.