

ITEM	16
MANAGER'S REPORT NO.	83
COUNCIL MEETING	1979 12 10

RE: ENGINEERING SERVICES FOR THE 1980 LOCAL IMPROVEMENT PROGRAM

Following is a report from the Municipal Engineer regarding Engineering Services for the design of the 1980 Local Improvement Program.

RECOMMENDATION:

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

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TO: MUNICIPAL MANAGER 79 12 05
FROM: MUNICIPAL ENGINEER
SUBJECT: ENGINEERING SERVICES FOR THE 1980 LOCAL IMPROVEMENT PROGRAM

RECOMMENDATION:

1. THAT the Corporation of Burnaby enter into an Engineering Agreement with Robert F. Binnie Ltd. for the provision of all requisite engineering services for the design of the 1980 Local Improvement Program for both Projects "A" and "B" as outlined in the Municipal Engineer's Terms of Reference dated 79 11 19 for a total fee not to exceed \$42,177 excluding disbursements and in accordance with the proposal submitted by Robert F. Binnie Ltd., dated 79 12 03.

REPORT

Subsequent to Council's approval of the 1980 Local Improvement Program earlier this Fall, your Municipal Engineer has invited, by his letter dated 79 11 19, three consulting firms who have considerable experience in the design of Local Improvement works.

We have now received proposals from the three consulting firms and a brief summary of each of the proposals is as follows:

(cont'd)

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Robert F. Binnie Ltd. - This proposal outlines their understanding of the Engineer's Terms of Reference and proposes to complete the project in accordance with these Terms of Reference for a total fee not to exceed \$42,177 exclusive of any standard disbursements. The proposal also outlines a formula for determining credit to the District of Burnaby for uncompleted work as a result of jobs within the overall project which may be cancelled during the course of designing. The proposal indicates a completion date of 80 04 30 which will allow for early contract tendering. 165

Vector Engineering Services Ltd. - This proposal also agrees to completing the necessary design work in compliance with the Municipal Engineer's Terms of Reference for an estimated total fee of \$58,400 exclusive of the standard disbursements. The proposal also indicates that the consultant is prepared to discuss a crediting formula if they were successful in obtaining this job.

Aplin & Martin Engineering Ltd. - This proposal indicates their familiarity with the Terms of Reference and site conditions and indicates their fees for the total project to be \$117,203. In addition to this the proposal indicates a credit to the Corporation for undesigned jobs within this project at a rate of \$9.50 per metre based on the length given in the Municipal Engineer's Terms of Reference.

After careful review of these proposals I have concluded that the most attractive proposal is the one submitted by Robert F. Binnie Ltd. and it is therefore my recommendation that the Corporation of Burnaby enter into an Engineering Agreement with Robert F. Binnie Ltd. for the provision of the requisite engineering design for the 1980 Local Improvement Program for both Projects "A" and "B" for a total engineering fee not to exceed \$42,177 excluding the standard disbursements.


MUNICIPAL ENGINEER

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

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THE CORPORATION
OF THE DISTRICT OF
BURNABY

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

Telephone (604) 294-7460

79 11 19

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

Attention: Mr. R. F. Binnie, P. Eng.

Dear Sir:

RE: ENGINEERING SERVICES FOR THE DESIGN
OF THE 1980 LOCAL IMPROVEMENT PROGRAM

The Corporation's 1980 Local Improvement Street Program has now been finalized as outlined in the two attached lists namely Projects "A" and "B".

We hereby invite you to submit proposals for your Engineering services for the field survey, drafting and design of all the projects listed. Please submit separate proposals 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 make reference to old design numbers. 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. The ornamental street lighting design for all the jobs which have a pavement width of 11 m or greater will be done by municipal staff and in this respect we would ask that the design consultant give priority to these jobs so that the Corporation may take advantage of the design consultant's base plan when coordinating our design with that of the road design. All the

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work shall be performed in accordance with the Corporation of Burnaby's current design standards and as detailed on the attached specification sheets.

In an effort to initiate the design process for this program as soon as possible, we have not waited until the abutting owners have had their opportunity to approve or disapprove of the project. In view of this I would request that your proposal give consideration to a method of crediting the Corporation for any design work which need not be completed as a result of the Corporation advising you during the course of your assignment that certain projects have not been approved for construction. In an effort to expedite the initiation of this program I would appreciate receiving your proposal not later than 1979 December 03.

Yours truly,

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


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

VNW:sp
Attach.

cc: () Design Engineer

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1980 LOCAL IMPROVEMENT PROGRAM

PROJECT A

<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Length</u>	<u>Improvements</u>
1. 800001	Karen St. - Cliff Ave. to Moore Ave.	8.5 m	84 m	Curbs both sides.
2. 800002	Pandora St. - Carleton Ave. to Madison Ave.	8.5 m	183 m	Sep. walk on south side. Curbs both sides.
3. 800003	William St. - Carleton Ave. to Gilmore Ave.	8.5 m	180 m	Curbs both sides; storm sewer (see design No. 740041-1).
4. 800004	Triumph St. - MacDonald Ave. to Ingleton Ave.	8.5 m	153 m	Curbs both sides; storm sewer (to reduce c.b. spacing).
5. 800005	Rosser Ave. - Pandora St. to Triumph St.	8.5 m	80 m	Sep. walk on east side; Curbs both sides; storm sewer.
6. 800006	Union St. - Alpha Ave. to Willingdon Ave.	8.5 m	192 m	Curbs both sides; storm sewer.
7. 800007	Aubrey St. - Phillips Ave. to the west PL of Lot 161 (Pinehurst Drive)	8.5 m	535 m	Curb north side; curb walk south side; storm sewer.
8. 800008	Highlawn Dr. - Beta Ave. to Delta Ave.	8.5 m	297 m	Curb walks both sides; storm sewer (see design No. 680095-2).
9. 800009	Venables St. - Delta Ave. to Springer Ave.	8.5 m	292 m	Curb walks both sides; storm sewer (see design No. 740034-6).
10. 800010	William St. - Douglas Rd. to Gilmore Ave.	8.5 m	284 m	Curb walks both sides; storm sewer between MacDonald & Gilmore (see design No. 740041-1).
11. 800011	Fell Ave. - Hastings St. to Dundas St.	8.5 m *	412 m	Curb walks both sides; storm sewer.

* flaring to 11 m at the lane north of Hastings.

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<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Length</u>	<u>Improvements</u>
12. 800012	Dundas St. - Delta Ave. to Hythe Ave.	8.5 m	95 m	Curb walks both sides
	Dundas St. - Hythe Ave. to Fell Ave.	11 m	1,090 m	Curbs both sides; storm sewer (see design No. 780005). Sep. walk on north side (lane east of Hythe to Holdom & lane east of Holdom to Fell). Sep. walk on south side (Hythe to lane east of Grosvenor, Howard to lane east of Howard, Ellesmere to lane east of Ellesmere and Holdom to Fell).
13. 800013	Second Avenue - Gilmore Ave. to Ingleton Ave.	11 m	305 m	Curbs both sides; storm sewer (see design No. 760023).
14. 800014	Delta Ave. - Georgia St. to Frances St.	11 m	80 m	Curb walks both sides
15. 800015	Broadway - Holdom Ave. to Springer Ave.	11 m	366 m	Curb walks both sides
16. 800016	Phillips Ave. - Halifax St. to Montecito Dr.	N/A	442 m	1.5 m wide sidewalk abutting on west side between Montecito & Coronado; 1.5 m wide separated sidewalk west side between Coronado & Halifax.
17. 800017	Montecito Dr. - Duthie St. to E. PL of Lot 138, Plan 35298 (see attached sketch)	N/A	160 m	1.5 m wide abutting sidewalk on the north side.

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PROJECT B

<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Length</u>	<u>Improvements</u>
1. 800018	Griffiths Ave. - Imperial St. to Stanley St.	8.5 m	541 m	Curbswalks both sides.
2. 800019	Leibly Ave. - Stanley St. to Burris St.	8.5 m	381 m	Curbswalks both sides; storm sewer (see design No. 740033-1).
3. 800020	McKay Ave. - Rumble St. to Greta St.	8.5 m	477 m	Curbswalks both sides (except on east side between Rumble and the south PL of Lot B); storm sewer (upgrade existing see design No. 57012).
4. 800021	McKay Ave. - Greta St. to Imperial St.	8.5 m	272 m	Curbswalks both sides; storm sewer (upgrade existing see design No. 57012).
5. 800022	Pine St. - Smith Ave. to MacDonald Ave.	8.5 m	320 m	Curbswalks both sides; storm sewer (see design No. 740033-14).
6. 800023	Holly St. - Mary Ave. to Humphries Ave.	8.5 m	161 m	Curbswalks both sides; storm sewer.
7. 800024	Wilberforce St. - Cariboo Rd. to Alfred Ave.	8.5 m	147 m	Curbswalks both sides; storm sewer.
8. 800025	Marlborough Ave. - Newton St. to Sanders St.	11 m	89 m	Curbs both sides (note that curb on west side between Newton & lane north of Newton is existing); 1.5 m wide walk on west side between Sanders & the north PL of Lot 161.
9. 800026	Clinton Street - Royal Oak Ave. to Roslyn Ave.	8.5 m*	180 m	Curbs both sides (except on north side between Royal Oak and the east PL of Lot A); 1.5 m wide sidewalk on north side from east PL of Lot A to Roslyn.

*flaring to 11 m between the E. PL of Lot A and Royal Oak Ave.

<u>Design No.</u>	<u>Street</u>	<u>Width</u>	<u>Length</u>	<u>Improvements</u>
10. 800027	Boundary Rd. - Nithsdale St. to Avondale St.	11 m	80 m	Curbs both sides; storm sewer.
11. 800028	Nelson Ave. - Bond St. to Dover St. *flaring to 14 m between the lane south of Maitland and Dover.	11 m*	610 m	Curbs both sides; storm sewer (upgrade existing see design No 57007); 1.5 m wide separated sidewalk on east side.
12. 800029	Grimmer St. - Marlborough Ave. to Royal Oak Ave.	11 m	171 m	Curbs both sides; storm sewer (see desig No. 780014).
13. 800030	Bond St. - Willingdon Ave. to Nelson Ave.	11 m	650 m	Curbs both sides; storm sewer (see existing design Nos. 770074 & 740040-13).
14. 800031	Arbroath St. - Curragh Ave. to dead end west of Curragh	14 m	119 m	Curbs both sides; ornamental street lighting both sides; storm sewer (will re- quire design of an outfall beyond the limits of this project) a turn around facility within the given road allowance.
15. 800032	Curragh Ave. - Kingsway to Beresford St.	14 m	311 m	Curbs both sides; 1.5 m abutting sidewalk both sides; ornamental street lighting.
16. 800033	Sellers Ave. - Dorset St. to Imperial St.	14 m	102 m	Curbs both sides; 1.5 m wide abutting side- walks both sides; ornamental street lighting; storm sewer.
17. 800034	Merrit Ave.- Dorset St. to Imperial St.	14 m	102 m	Curbs both sides; 1.5 m abutting sidewalks both sides; ornamental street lighting; storm sewer (south half of project only).

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| 18. 800035 | Shirley Ave. - Dorset St.
to Beresford St. | 14 m 211 m | Curbs both sides; 1.5 m
abutting sidewalks both
sides; ornamental street
lighting; storm sewer
(see design No. 62000) |
| 19. 800036 | Arbroath St. - Gilley Ave.
to Conway Ave. | 14 m 256 m | Curbs both sides; 1.5 m
wide abutting sidewalks
both sides; ornamental
street lighting; storm
sewer. |
| 20. 800037 | Conway Ave. - Arbroath St.
to Kingsway | 14 m 74 m | Curbs both sides; 1.5 m
wide abutting sidewalks
both sides; ornamental
street lighting; storm
sewer (upgrade existing
substandard facility). |
| 21. 800038 | 6th Street - 13th Ave. to
10th Ave. | N/A 314 m | 1.5 m wide abutting
sidewalk on west side. |