

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON  
MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

REPORT  
RAPPORT

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Our File/N/Réf. Your File/V/Réf.	<b>50 19-93-0002-V</b>
DATE	10 June 1998
TO/DEST.	Co-ordinator Corporate Services and Economic Development Committee
FROM/EXP.	Environment and Transportation Commissioner
SUBJECT/OBJET	<b>HEMLOCK SEWAGE PUMPING STATION AND FORCEMAIN CONTRACT NOS. 97-206 AND CA9512 CONSTRUCTION CONTRACT AWARD &amp; CONSULTANT APPOINTMENT</b>

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### **DEPARTMENTAL RECOMMENDATION**

**That the Corporate Services and Economic Development Committee recommend Council approve:**

- 1. The award of a contract to the firm of Ottawa Greenbelt Construction, Gloucester, for the construction of the Hemlock Sewage Pumping Station and Sanitary Sewer for a total contract provision of \$1,650,518 (Contract No. 97-206);**
- 2. The appointment of the firm of Cumming Cockburn Limited, Ottawa, to provide construction contract administration and field supervision services for the Hemlock Sewage Pumping Station and Sanitary Sewer for a total contract provision of \$165,960 (Contract CA9512);**
- 3. The increase to the budget authority from \$2,200,000 to \$2,804,000 in Account No. 932-42036, Hemlock Sewage Pumping Station and Forcemain. Funds are available for transfer from Account No. 932-42033, Rideau River Sewer Crossing.**

### **RATIONALE**

The Hemlock Sewage Pumping Station is located in the Village of Rockcliffe Park on the north side of Lake McKay. It services the residential area surrounding Lake McKay, the RCMP facility located north of Sandridge Road and the City of Ottawa's Manor Park subdivision.

The Hemlock Sewage Pumping Station and Forcemain were constructed in 1959 and many components of this installation are now nearing the end of their useful life. The station was constructed to meet the operational, maintenance and safety standards of its day. Since then, these standards have been revised or upgraded and this has resulted in the station not meeting a number of current standards.

For example, the station does not meet current requirements in the following areas:

- the wet well's entrance and access arrangements are inadequate;
- the station dry well is limited in space for controls and other appurtenances and requires confined space procedures for access.

As a result, the decision was made to replace the pumping station. The majority of the forcemain is located on easements on residential properties. Any breaks in the forcemain not only cause inconveniences to the affected homeowner but can be hard to access and greatly increase the cost of repairs and restoration. Accordingly, the decision was made to relocate this forcemain to public rights-of-way, for ease of access.

Since 1994, the Region has been working with the Village of Rockcliffe Park in conjunction with their sewer rehabilitation program to construct a new forcemain located within the public right-of-way. The majority of this work has been completed and the remaining section of forcemain and gravity sewer is included in this contract.

Tenders were received for this work from the following contractors (excluding G.S.T.):

Ottawa-Greenbelt Construction Ltd. ,Gloucester	\$ 1,402,307.50
W.B. Maloney Construction Ltd. ,St. Andrews West	1,430,310.00
Taggart Construction Ltd. ,Ottawa	1,442,366.80
Louis W. Bray Construction Limited ,St. Andrews West	1,446,808.00
Taplen Construction Ltd. ,Gloucester	1,565,055.00
J.C. Sulpher Construction Ltd. ,Gloucester	1,614,258.00
Westeinde Construction Ltd. ,Nepean	1,980,000.00
Engineer's Estimate:	\$1,236,895.00

Westeinde Construction Ltd.'s tender did not include a bid security and was an incomplete tender as it did not include the item added in Addendum #1, therefore it was rejected.

The tenders have been reviewed and minor errors were found in the tenders from Taggart Construction and Louis W. Bray Construction. These errors do not effect the validity or the sequence of these tenders. The above totals are the corrected amounts.

The engineer's estimate was approximately \$165,000 less than the lowest tender. This difference in cost can be attributed to the Hemlock Road Sewer and the Wet Well. To facilitate traffic movement, enhancements to the traffic control plan were necessary and this resulted in lower production rates and higher labour and equipment costs for the Hemlock Road Sewer. It was

originally anticipated that the Wet Well would be constructed on site, but due to site restrictions it has become necessary to pre-fabricate the Wet Well off-site and install it as a completed unit at greater cost.

Based on the evaluation of the tender documents, the Department is recommending that this work be awarded to the low bidder, Ottawa Greenbelt Construction Company Limited. The total contract provision consists of a bid price of \$1,402,307.50, contingency in the amount of \$140,230.50 and G.S.T. of \$107,980.00 for a total contract provision of \$1,650,518.

This tender includes three local sewer connections which were requested by the Village of Rockcliffe Park. The cost of this work based on the unit prices submitted in Ottawa-Greenbelt's tender is approximately \$30,000. The cost of this work will be recovered from the Village.

The firm of Cumming Cockburn Limited was requested to submit a proposal for contract administration and field services for the Hemlock Sewage Pumping Station and Forcemain. They have provided the design and tendering services for this project, therefore to maintain continuity and compliance with the design, they were the only firm requested to provide a proposal. Their proposal has been reviewed and the Department recommends that Cumming Cockburn Limited be awarded the contract administration and field services for this project. This assignment consists of consultant fees of \$141,000, contingency allowance of \$14,100 and G.S.T. of \$10,860 for a total amount of \$165,960.

The increase in the budget authority is requested due to the following:

- Cost of Environmental Assessment and public consultation with the Village of Rockcliffe Park and NCC	\$150,000
- Increased property costs	\$ 50,000
- Increase in construction costs of the building, electrical work and pumps	\$250,000
- Contingency allowance during construction	<u>\$154,000</u>
TOTAL	\$604,000

### CONSULTATION

Public consultation has been carried out in accordance with the *Environmental Assessment Act*. The Village of Rockcliffe Park and the National Capital Commission have been consulted during the detailed design of the pumping station and will be kept informed during the construction phase.

EXPENDITURE JUSTIFICATION

Due to the age and deteriorating condition of this installation, the most cost-effective solution was to replace the existing pumping station, forcemain and related sewer.

FINANCIAL STATEMENT

	932-42036	932-42033
	\$	\$
Approved Budget to Date	2,200,000	6,651,000
Inc/(Dec) Authority	<u>604,000</u>	<u>(604,000)</u>
Revised Balance Available	2,804,000	6,047,000
Total Paid and Committed	<u>(849,157)</u>	<u>(5,623,698)</u>
Balance Available	1,954,843	423,302
THIS REQUEST	<u>(1,816,478)</u>	<u>(0)</u>
Recovery from Village of Rockcliffe Park	30,000	0
<u>Balance Remaining</u>	<u>168,365</u>	<u>423,302</u>

Funds are available for transfer from the Rideau River Sewer Crossing Account, Project No. 932-42033 to the Hemlock Sewage Pumping Station and Forcemain Account, Project No. 932-42036 (Encumbrance Nos. CA9512 and CT7206).

*Approved by  
M.J.E. Sheflin, P.Eng.*

TW/jw

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by T. Fedec  
on behalf of the Finance Commissioner*