

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

REPORT
RAPPORT

Our File/N/Réf.
Your File/V/Réf.

DATE 25 May 1998

TO/DEST. Co-ordinator
Corporate Services and Economic Development Committee

FROM/EXP. Commissioner
Planning and Development Approvals Department

SUBJECT/OBJET **ENVIRONMENTAL ASSESSMENTS ALTA VISTA TANK
REPLACEMENT STUDY AND WATER MASTER PLAN
UPDATE ZONE 2C - CONTRACT AWARD
CONTRACT NO. CA 9511**

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee approve the appointment of R.V. Anderson Associates Limited, Ottawa, Ontario to undertake the environmental assessment studies for the Alta Vista Tank Replacement and Water Master Plan Update for Pressure Zone 2C for a contract provision of \$103,275.00.

BACKGROUND

The Alta Vista elevated storage tank currently provides balancing storage to pressure Zone 2C in the Regional Municipality of Ottawa-Carleton's central water supply system. The water level in the tank is used as a guide for operating the main supply to this pressure zone through the Billings Bridge pumping station.

In 1992, the RMOC undertook a cursory study of the condition of the tank and determined that the tank required repainting and that more extensive rehabilitation would be required by approximately 1998. To better assess the amount of deterioration in the existing tank and the rehabilitation required, a detailed inspection of the 46 year old Alta Vista tank was undertaken in 1997. The evaluation concluded that the tank was badly corroded and nearing the end of its service life. In addition, the cost to rehabilitate the tank was high and the remaining service life would be moderate in comparison to the cost and service life of a new tank. The RMOC's 1997 Water Master Plan assumes that the Alta Vista Tank would be rehabilitated to provide long term

needs for Zone 2C. Because of the results of the condition assessment of the tank, replacement is required and must be evaluated.

A preliminary assessment was also made of tank replacement options at the existing site or another hypothetical site where the potential to build a larger storage facility may exist. The Water Master Plan had recommended the expansion of the Ottawa South pumping station by the year 2006 to provide for additional balancing storage in zone 2C. The expansion could be potentially deferred by a number of years depending on the increase in the size of a new storage facility. In addition, the watermain interconnect from Hurdman's Bridge to Billings Bridge pumping stations, which forms a major component of the long term reliability infrastructure for the Zone, may be impacted. A Notice of Completion as a Schedule B Class Environmental Assessment was filed in November 1997 for this project.

PURPOSE

The purpose of the work is twofold. The first is to prepare an assessment of alternatives and the recommendation of the best alternative for a Zone 2C elevated tank taking into account the recent evaluation of the existing Alta Vista tank. This assessment will follow the Municipal Engineers Association's Class EA process for water and wastewater infrastructure.

The second is to provide recommendations, if required, on updating the Water Master Plan to address both system growth and reliability issues in zone 2C, and will also be completed in accordance with the Class EA process. This will include a review of the implications of the recommended alternative for the Zone 2C elevated tank on the growth related infrastructure in the Master Plan and recommendations for changes. In addition, a review of existing short term contingency planning for zone 2C will be undertaken. This will include recommendations on any potential changes to the contingency planning as well as an assessment of any potential changes to the recommendations for long term system reliability issues recognizing the connection with short and long term solutions. The assessment of long term reliability issues will also consider inter-zonal dependencies such as between Zones 2C and 1E.

The amount requested for this work includes a contract amount of \$87,825, GST in the amount of \$6,150 and a contingency of \$9,300 for a total contract provision of \$103,275.

DISCUSSION

A total of five consulting firms were requested to submit proposals for the above work. All firms responded and were evaluated based on the following as outlined in the terms of reference:

- study team
- understanding of objectives
- methodology and approach
- ability to meet the proposed schedule
- level of effort & cost

The criteria were given equal weight in the selection process. The consultants were also advised that, if required, they would be notified of a proposal interview after the proposal submission.

Following an initial evaluation three firms were requested to attend an interview. R. V. Anderson Consulting Limited was selected based on their ability to best meet the criteria as described through both their proposal and interview.

OFFICIAL PLAN AND WATER MASTER PLAN

The study is in conformity with the Regional Official Plan and as indicated the Water Master Plan will be updated if required.

CONSULTATION

A public consultation strategy will be developed for this work and is included in the consultant assignment. The strategy will be designed to meet the requirements of the MEA's Class EA process which will address the needs of the communities and agencies involved.

EXPENDITURE JUSTIFICATION

The completion of this work is essential prior to replacing the Alta Vista tank which is nearing the end of its service life. This elevated tank provides balancing storage for the pressure Zone 2C. An environmental assessment study must be completed before any work can proceed on the final design for a new tank.

In addition, any changes to the size and location of the Alta Vista Tank will necessitate a corresponding update to the infrastructure recommended for this Zone in the Water Master Plan.

FINANCIAL STATEMENT

	\$
Approved Budget to Date	335,000
Total Paid & Committed	<u>(32,444)</u>
Balance Available	302,556
THIS REQUEST	<u>(103,275)</u>
Balance Remaining	199,281

Funds have been provided in the 1998 Capital Budget Account Number 922-41618, Alta Vista Tank - Rehabilitatio or Replacement, encumbrance no. CA9511.

*Approved by
L. Shallal
Acting Commissioner*

KE/

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by C. Colaiacovo
on behalf of the Finance Commissioner*