

In contrast to these improvements, it is expected that there will be 10% increase in population in the area this year. Without further adjustment of supply and demand, it is anticipated that the existing pump station will not be able to fully provide the peak demand during evening sprinkling hours if the weather pattern this summer (2007) is similar to that of 2006. However, fire protection will be available in all scenarios.

The easiest and conservative way to ensure adequate water supply during peak summer demand is to require lawn auto-sprinklers to be put onto manual operation. We believe that lawn sprinkling can be maintained at a reduced level to minimize the impact to the residents by taking the following actions:

- 1) Reduce the peak demand by requesting there be no automatic lawn sprinkling during peak demand period (i.e., 7 to 10 p.m. on sprinkling days between June and September).
- 2) Increase the pump output by reducing the needed boosting pressure of the water system by approximately 7 pounds per square inch (PSI). Network improvements have reduced the necessary boosting pressure which will increase the output of the pumps by another 10%. Consequently, it is anticipated that the effect on the pressure at the customer's water tap will be minimal.

City staff will send out letters to all residents serviced by the pump station and place advertisements in local newspapers advising residents of the additional sprinkling restriction and the possibility of reduced water pressure for some hot summer days.

SCOPE OF WORK

Contract M.S. 1204-506-21 is for the construction of a replacement Clayton Water Pump Station which, with future minor upgrade, will have the capacity to service the built out development of the Clayton area.

The contract construction period is 200 days, and is scheduled to complete in early 2008 to meet the peak demand in that summer.

Tender Results

Tenders for this contract were received May 8, with results as follows:

<i>Contractor</i>	<i>Tendered Amount</i>	<i>Corrected Tendered Amount</i>
1. Mitchell Installations Ltd.	\$5,194,185.00	\$5,194,185.88
2. Trittech Group Ltd.	5,485,609.61	5,485,609.64
3. Civil Construction Company	5,529,000.00	No change
4. GCL Contracting and Engineering Ltd.	5,576,271.36	No change
5. Mutual Construction Ltd.	5,612,740.40	No change
6. Kenadian Contracting Ltd.	5,869,962.00	No change
7. Westport Construction Group Inc.	6,057,670.20	\$6,057,670.37

The Engineer's pre-tender estimate was \$5,250,000.00

EVALUATION

Our consultant reviewed the tenders for accuracy and completeness. All submissions included the required 10% bid bond and were signed and sealed on the Tender Form and Summary Sheet of the Schedule of Quantities and Prices.

The low bidder, Mitchell Installations Ltd., has provided a Consent of Surety for a Performance Bond and a Labour & Materials Bond, and agreed to complete the work within 200 days as stipulated in the contract. Mitchell's past performance on similar work has been satisfactory and they have no outstanding legal claims against the City. We, therefore, recommend Mitchell Installations Ltd. be awarded the work.

FUNDING

Funding is available within the approved Engineering budget.

Paul Ham, P. Eng.
General Manager, Engineering

VL/RS:brb:kd2

c.c. - Finance, Technology & HR Dept.