

Sewer report detects infiltration

A closed circuit television camera (CCTV) inspection of 5,240 lineal meters of Shelburne's sanitary sewers identified areas that required rehabilitation work. Jack Tupling the Contract Development Engineer for the Town of Shelburne presented the CCTV findings to Councillors on February 8 explaining issues as viewed.

In 2015, the Town completed a flow monitoring program which identified areas where infiltration, or ground water seepage, was relatively high. Excessive amounts of seepage can overwhelm pipes, creating a risk for overflows, potentially causing property damage and threatening the environment.

It is known that infiltration can increase the costs of wastewater treatment and use up valuable sewage capacity and result in the need for upgrades.

The review presented to Council showed several areas of infiltration, as well as some broken pipes, displaced gaskets and tree roots.

Mr. Tupling reported that there was also evidence of infiltration stains at various locations suggesting past issues.

The Engineer's report recommended a request for proposal (RFP) be issued to undertake repairs to the sewers or maintenance holes showing the most infiltration.

With current technology it is anticipated that most of the repairs can be done from the surface without having to dig the sewers up, he noted. However, it is possible that some dig and fix work may be necessary.

In addition, the report recommended an RFP be issued to flush and undertake a CCTV camera inspection of approximately 7,500 meters of sanitary sewers south of Main Street, including the municipal sewers that service KTH and Ice River Springs.

The estimated cost for the rehabilitation project is \$150,000.

Town Treasurer Carol Sweeney noted \$100,000 already passed in the 2016 budget for infiltration corrections and advised that \$50,000 in unexpended funds from 2015 could be carried forward to cover the expenses.

The Development Engineer stated the work is necessary to support the growth initiatives that are currently underway.

Council received his report and authorized Staff to issue a RFP to undertake the sewer rehabilitation and infiltration reduction work as recommended.

Council received a second report from the Engineer identifying the need for bypass piping at Well 7 Pumphouse and the Well 5/6 Blending Building.

Council authorized Wellington Construction contractors to install 8-inch bypass piping at a cost of \$17,145 for Well 7 Pumphouse. The bypass at Well 5/6 Blending Building has been completed.

The Ontario Clean Water Agency had indicated that it was important to ensure appropriate water quality at that location; the piping had been authorized at a cost of \$6000 to proceed on a time and material basis, and has already been put into service.

By Marni Walsh