

## Request for Decision

### Gatchell Outfall Sewer EA

Presented To: Operations Committee

Presented: Monday, Feb 29, 2016

Report Date Wednesday, Feb 10, 2016

Type: Presentations

### Resolution

THAT the City of Greater Sudbury receives the report dated February 10, 2016 from the General Manager of Infrastructure Services, entitled “Gatchell Outfall Sewer EA” and authorizes staff to proceed with the next steps of the Gatchell Outfall Sewer project.

### Finance Implications

Funding for the detailed design of the preferred solution from the Gatchell Outfall Sewer EA was included in the 2010 Wastewater Capital Envelope. Additional funding required for the resulting construction project, estimated at \$6,000,000 is included in the 2017-2020 Wastewater Capital Budget outlook

### Class EA Study

The Gatchell Outfall Sewer Schedule B Class EA study is being undertaken to identify, evaluate, and confirm the preferred long-term solution for the replacement of a failed section of trunk sanitary sewer, known as the Gatchell Outfall Sewer. The Class EA study is nearing completion, with its first public consultation session held in June 2010 and the second session in January 2016. The accompanying presentation, dated February 29, 2016 summarizes the evaluation of the nine alternatives considered and confirms the recommended solution, which is the construction of a new section of rock tunnel, connecting to the “Gatchell Tunnel” portion of the existing rock tunnel. The presentation includes stakeholder comments received to-date and indicates how they were addressed.

### The Project

The next steps of the Gatchell Outfall Sewer project are: completion of the Schedule B Class EA Study (spring 2016), detailed design of the preferred solution (summer 2016 – winter 2017) and construction of the preferred solution (winter 2017 – winter 2019).

It is recommended that the City of Greater Sudbury authorize staff to proceed with the next steps of the project.

#### Signed By

**Report Prepared By**

Wendi Mannerow  
Water & Wastewater Engineer  
*Digitally Signed Feb 10, 16*

**Division Review**

Nick Benkovich  
Director of Water/Wastewater Services  
*Digitally Signed Feb 10, 16*

**Recommended by the Department**

Tony Cecutti  
General Manager of Infrastructure Services  
*Digitally Signed Feb 11, 16*

**Recommended by the C.A.O.**

Kevin Fowke  
Acting Chief Administrative Officer  
*Digitally Signed Feb 16, 16*

## **Background**

In May 2007, the north bank of Junction Creek, just upstream of Kelly Lake Road experienced a slope failure exposing and failing a portion of the City's trunk sanitary sewer main known as the Gatchell Outfall Sewer. Emergency repairs were implemented, to maintain sanitary sewer service to the residences and businesses in the serviced area which includes Gatchell and a portion of Copper Street.

It was determined that permanent repairs to replace the failed section of sewer in place would be extremely complex and costly and subject to risks of future slope failure. The City concluded to undertake a Municipal Class EA to identify, evaluate, and confirm the preferred long-term solution for the replacement of this section of the Gatchell Outfall Sewer. The City retained R.V. Anderson Associates Limited to complete the EA and also retained AMEC Environment & Infrastructure to complete a geotechnical investigation to support the EA.

In late April 2013, citizens reported another slippage of the north bank of Junction Creek along the newly constructed walking trail, in the same general area of the previous bank failure. Emergency repairs were undertaken at that time and slope stability monitoring has been on-going ever since. In October 2013, City staff provided a report to Operations Committee regarding the resulting emergency work that occurred at the site in 2013. As the operational costs for monitoring of the slope are on-going, a final report regarding the emergency work has not yet been provided.