

Subject: Sanitary Sewer Diversion at Summersides and Station Street

Recommendation:

BE IT RESOLVED THAT Council receive Report # 2020-0137; and

THAT Council APPROVE the additional funds required for the costs associated with the Sanitary Sewer Diversion from existing dollars in Capital Account WST 04-20; and

THAT Council APPROVE the amendment to the current purchase order with Beam Excavating Inc. to include the additional work to complete the Sanitary Sewer Diversion project in the amount of \$44,000 (excluding HST).

Background:

As part of the East Fonthill Development, the Summersides Boulevard road construction project originally included the construction of a roundabout at the intersection of Station Street, Summersides Boulevard and Pelham Town Square. Council deferred the roundabout construction to 2023; however, there are some Sanitary Sewer Improvements which are required at this intersection in order to free up capacity at the Region's Hurricane Road Pumping Station and allow development to continue in East Fonthill north of Meridian Way.

In 2019 Council approved carry forward work in the amount of \$400,000 to complete required works in the East Fonthill Development, including improvements to the Station St./Summersides Blvd Intersection. Of this \$400,000, \$14,860.48 was approved by Council for the purchase of the sanitary sewer manholes for the Station/Summersides/Pelham Town Square intersection sanitary sewer diversion. The manholes are being stored at Fire Station No. 1.

The sanitary sewer work involves the diversion of a large portion of the

sanitary catchment area currently discharging to the Region's Hurricane Road pumping station. These areas are College Street, Emmett Street and Pelham Town Square. The proposed diversion will change the discharge location to the Regionals Trunk Sanitary Sewer on Rice Road and is expected to divert approximately 13 L/s in accordance with the Engineer's Site Servicing Report provided as part of the development application submission.

In a previous report to Council (2019-0032 PW) Staff made a request to complete the sanitary diversion at Summersides and Station Street at an estimated cost of \$108,232. This estimated cost excluded the cost of the sanitary sewer manholes of \$14,860 and included a project contingency of approximately \$10,000. Council decided not to proceed with the proposed work and as a result the sanitary connection and diversion was not completed.

Analysis:

The decision to defer the round-a-bout at Station Street was made after the sanitary manholes were fabricated. Beam Excavating was awarded a contract and had an existing purchase order to complete these works with the round-a-bout construction. As a result, the Town was required to purchase the materials for the sanitary sewer upgrades as they were specifically designed and fabricated for this project based on the design. The cost of the sanitary sewer manholes was \$14,860 and has been completed.

The decision to defer the round-about at Station and Summersides Blvd. also meant the work related to the sanitary sewer diversion was not undertaken. There are now two developments in East Fonthill, Shops on 20 and the proposed Better Life Residential Retirement development that are impacted by this decision, specifically with regards to the sanitary sewer diversion project not being completed. The Region of Niagara has indicated that the Hurricane Road pumping station is experiencing surcharging during wet weather flows and are concerned about the additional sewage flows these two developments would have on the capacity of this pumping station. In order for development to proceed on these two projects it is critical that the work related to the sanitary sewer diversion be undertaken. The sanitary

sewer diversion work at the intersection of Station Street and Summersides Blvd. would divert 13 L/s of sewage flows from the Hurricane Road pumping station which would free up capacity for these two projects. It is anticipated that these two projects would result in 6.7 L/s of sewage flows going into the Hurricane Road pumping station resulting in an overall decrease in sewage flows which the Region can support and mean these two projects could proceed. If the sanitary sewer diversion project at Station Street and Summersides Blvd. does not occur this fall, then the Region will not support the approval of the Shops on 20 or the Better Life Residential Retirement development having their sanitary flows out letting into the Hurricane Road pumping station.

The Town sold these lands in East Fonthill as development ready lands with servicing capacity available to them. The delay in undertaking the sanitary sewer diversion work at Station Street and Summersides Blvd. has meant that servicing capacity with regards to sanitary sewers may not be available to these lands and puts the Town at significant risk and will result in undue delay for these two development projects which does not benefit the Town.

As a result, staff is recommending to proceed with the sanitary sewer diversion at Summersides and Station Street now in order to make use of the materials that have already been purchased and provide relief to the existing sanitary sewer system currently near capacity which would allow the developments in East Fonthill to proceed.

In addition, the improvements will help to resolve back up and flooding issues in the Hurricane Road sewer shed and will help to alleviate sewer capacity concerns in the College and Emmet area resulting from extraneous flows infiltrating the sewer system based on the age and condition of the sewer.

The Town's consultant (Upper Canada Consultants – UCC) have reviewed the previous sanitary sewer diversion design at Summersides and Station Street and have made some modifications which have a direct result of reduced costs.

The estimate received from Beam Excavating Inc. to complete the sanitary sewer diversion based on the revised design is approximately \$40,000 (excluding HST). This does not include the costs for the manholes which

were previously purchased in the amount of \$14,860 (including HST).

Staff is recommending that the additional work to complete the sanitary sewer diversion project be awarded to Beam Excavating Inc. in the amount of \$40,000 (excluding HST) and that the current scope of work to complete improvements at the intersection be amended to include the additional work. This would provide continuity of operations and can be completed in an efficient cost effective manner considering the contractor will be on-site to complete the roadway restoration project.

Financial Considerations:

In order to ensure that the Sanitary Sewer Diversion project is completed, Public Works requests the approval to move forward with this project, with provision of transferring funds from capital account WST 04-20 to cover the additional funds required. Capital Project WST 04-20 is an annual capital project which is used to address deficient or defective sanitary sewers within the Town and to make the necessary improvements. Based on discussions with Engineering and Operations there are no specific projects required at this time. The estimated cost to complete the sanitary diversion project is estimates at \$44,000 (excluding HST) and is broken down as follows:

Cost to complete sanitary sewer upgrades	\$40,000.00
Contingency (10%)	<u>\$4,000.00</u>
	<u>\$44,000.00</u>

Total amount of Transfer from capital account WST 04-20 is \$44,000 (excluding HST).

Alternatives Reviewed:

Council may choose not to proceed with the installation of the sanitary sewer at Station Street at this time. If this is the direction of Council Public Works will not be able to approve the developments for the Shops on 20 and Better Life. In addition, if flows are not diverted from the Hurricane Road sewer shed the Region will not be in a position to approve the developments discharging into the sanitary sewer on Hwy 20 based on the capacity issues at the Hurricane Road Pumping Station. This could foreseeably result in litigation.

In addition, Council may direct staff to tender the work for the sanitary sewer diversion project. This course of action is not recommended by staff since the Town already has an agreement with Beam Excavating Inc. to complete the required surface intersection repairs and upgrades as part of the East Fonthill work and Beam Excavating Inc. was originally awarded the sanitary sewer installations as part of the round-a-bout work on Station Street.

Strategic Plan Relationship: Risk Management

The approval to proceed with the sanitary sewer diversion work at Station Street and Summersides Blvd. will minimize the risk to the Town and will allow for development to proceed in the East Fonthill community as planned.

Other Pertinent Reports/Attachments:

Appendix A – Estimate from Beam Excavating Inc. for the Sanitary Sewer Diversion project at Summersides and Station Street.

Report 2019-0032 PW – Report on Completing the Sanitary Sewer Improvements at Station Street and Summersides Blvd.

Consultation:

Region of Niagara, Director of Infrastructure Planning and Development Engineering

Upper Canada Consultants

Director of Community Planning and Development

Prepared and Recommended by:

Jason Marr, P. Eng. Director of Public Works

Approved and Submitted by:

David Cribbs, Chief Administrative Office