

Water Management Project in Queensdale Place (North)**Report Purpose**

To seek Council approval of funding to complete the current water management project located in Queensdale Place (North) subdivision and request approval for further project work.

Recommendation

THAT funding in the amount of \$145,000 from R4 Municipal Reserves for the completion of the remaining water management project in Queensdale Place (North) subdivision be approved.

Our Prioritized Strategic Goals

Goal 2 - Manage, invest and plan for sustainable municipal infrastructure

Report

In October 2002, an agreement between Ducks Unlimited Canada and Strathcona County created a water management project just north of the Queensdale Place (North) Subdivision on the property at SW-22-53-22-W4 and on a portion within Queensdale Place (North) at NW-15-53-22-W4. Historically, the subdivision of Queensdale Place (North) was not designed to match current engineering standards, and during spring melt and minor rain events landowners experience large amounts of water on their property. This project was initiated to ensure flood control and consistent watering for the resident's livestock. A drainage easement was signed by the resident of SW-22-53-22-W4 for the project.

In July 2014, the agreement between Ducks Unlimited Canada and Strathcona County dissolved. A Water Act Amendment in August 2014 allowed the lowering of the control outlet height to address flooding concerns in Queensdale Place (North).

The project work performed in 2014 was in a specific region around the wetlands just north of the Queensdale Place (North) subdivision. Through further consultations with the adjacent landowners, and the ongoing subdivision of parcels in Queensdale Place (North), it was apparent that a design was needed to ensure that the subdivision properly drained into the 2014 project area and north into the natural drainage course.

In 2018, Transportation and Agriculture Services, in collaboration with the property owner of Lot 8, Block 1, worked to develop an engineered design to address the subdivision drainage issues. The completed report supported future work for an unhindered drainage connection north of the subdivision through the 2014 project area. In addition, an easement located in Lot 8 Block 1 in Queensdale Place (North) was recommended to protect the subdivision drainage course. Continuation of the project was deemed necessary to ensure a functioning outlet for water drainage through Queensdale Place (North).

The total cost of the required drainage work will require additional budget dollars to be taken from the R4 Municipal Reserves to fund the maintenance project. Total costs are estimated to be \$145,000. Proposed construction would be in 2019. The proposed work will support the overall safety and protection of resident assets and reduce potential impacts on private property while ensuring a sustainable and protected outlet for surface drainage upon completion.

Council and Committee History

June 19, 2018 Council approved the updated SER-001-002 Surface Water Management and Erosion Control Policy.

Other Impacts

Policy: Policy SER-001-002 Surface Water Management and Erosion Control

Legislative/Legal: n/a

Interdepartmental: Corporate Finance

Master Plan/Framework: n/a

Communication Plan

Both owners of the properties impacted have given permission for the work to be completed. Neighbouring residents would be included in our typical construction notification.

Enclosures

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| 1 | Queensdale Place (North) Existing Conditions |
| 2 | Queensdale Place (North) Wetland Cross Sections |