The Corporation of the Township of Huron-Kinloss

Staff Report

Report Title: Bruce Beach Municipal Drain Update

Prepared By: Grant Collins, Drainage Superintendent

Department: Drainage

Date: Jun. 7, 2021

Report Number: DRAIN-2021-06-11 **File Number:** **E09- BBMD**

Attachments:

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby approves Report No. DRAIN-2021-06-11 prepared by Grant Collins, Drainage Superintendent AND approves moving forward with the revised proposal for the report and the application for an Emergency Order within the Drainage Act for the Bruce Beach Municipal Drain project.

Background:

In 2018 the Director of Public Works signed a petition for a Municipal Drain to alleviate flooding and provide improved drainage control on Bruce beach road north of the 8th concession.

On November 19, 2018, Council appointed Dietrich Engineering to prepare the report which on xx the responsibility was transferred to Headway Engineering.

The Township engaged the public using the online platform “Have Your Say HK” in 2019 and public open houses were held on May 25, 2019, and on November 30, 2019.

On October 21, 2019, Council was provided with a review of the concepts and a summary of the public input.

Discussion:

The proposed concept is to construct a storm water retention facility on top of the hill on the East side of Lake Range Drive. Then a pipe system would convey the water down the hill to an improved outlet to the lake.

The initial idea was to do the project in 2 stages.

The detention facility is the most critical part of the whole solution. It was felt that this and the piping down the hill would provide the most relief.

The improved outlet to the lake on the west side of Bruce Beach Road could be obtained in a second phase with a follow-up report.

However, after further review by the engineer, Mr. Steve Brickman of Headway Engineering, he has recommended the whole project come forward in one report.

Due to the process and time frames mandated by the Drainage Act, the earliest construction could reasonably be expected to start without any appeals would be September of this year.

However, due to granting opportunities, safety concerns, private property damage and infrastructure destruction due to the relative frequency of severe weather events in the last 2-3 years an alternative is possible.

Mr. Brickman recommends that the Township apply for an Emergency Order (Section 124) of the Drainage Act to allow an accelerated construction of the storm water retention facility this summer prior to the report being presented to Council.

From the extensive public consultation, there has not been any noted opposition for the construction of the storm water facility. For this option, the residents in the watershed will retain their appeal rights under the Drainage Act process for their assessment, however not for the design of the storm water pond.

This route will allow the project to be completed in one report following the timelines of the Drainage Act while completing the most crucial portion more quickly in a more favourable construction window.

The excavated material may need to be stockpiled for a year until the report is filed and works its' way through the Drainage Act process. The balance of the work could occur next summer when the construction window opens again for this type of work.

Financial Impacts:

Cost savings will be realized by having one report and grant funding opportunities for the storm water facility being completed within the proposed timelines.

Strategic Alignment / Link:

We are an environmentally conscious community that are good stewards of our natural environment by being aware and taking responsibility.

Respectfully Submitted By:
Grant Collins, Drainage Superintendent

Approved By:
Mary Rose Walden, Chief Administrative Officer