



Staff Report

Report Title: Municipal Drain Status Update January 2023

Prepared By: Ken McCallum

Department: Drains

Date: Jan. 16, 2023

Report Number: DRAIN-2023-01-1

File Number: C11 DRAIN

Attachments: Yes

Recommendation:

That the Township of Huron-Kinloss Committee of the Whole hereby receives for information Report No. DRAIN-2023-01-1 prepared by Ken McCallum, Drainage Superintendent

Background:

Municipal Drainage projects are in various stages of completion. This report is to provide the Committee with an update on the progress of works at each drain.

Discussion:

Bruce Beach Municipal Drain – Phase I

The detention facility has been constructed with topsoil grading and hydroseeding completed. Repairs to the slope on Lake Range Drive are complete with only a few remedial items left to finish. Hydro seeding and rip rap have been completed to the slope.

Deficiencies Left:

- Grading to Rip-rap lined swale and settlement areas where applicable
- Make sure Hydro seeding takes hold
- Pipe Flushing, cleanout sediment in catch basins, and Vac truck outlet on both sides of Bruce Beach Road.
- Guiderail adjustment and end treatment

Bruce Beach Municipal Drain - Phase II

True Consulting the Coastal Engineer has submitted its component to address Saugeen Valley Conservation Authority (SVCA)'s concerns to Headway Engineering. They are reviewing and addressing concerns. The dynamic beach study report will be presented to SVCA in the near future. Once all SVCA's concerns are met Headway Engineering may proceed and present the proposed design to landowners at the next information meeting.

Bruce Beach Municipal Drain Branch 'A'

Branch 'A' is included with Phase II. Headway will present the design to landowners at the next information meeting.

Hamilton Municipal Drain:

Beavers are located within the drain and are being trapped. K. Smart & Associates Limited are appointed under Section 78 of the Drainage Act to make improvements to the Hamilton Municipal Drain. The Engineer has been working closely with the landowners with a design to enclose a portion of the open drain. The ditch enclosure has been designed however, there are some environmental issues that will need to be addressed if the enclosure goes ahead. The Engineer is currently working on setting up a meeting with Ministry of Natural Resources and the Conservation Authority to determine how the environmental issues can be addressed. Once these environmental issues are addressed the engineer may move towards producing a final report to Council.

Clark Creek Municipal Drain

K. Smart & Associates Limited are appointed under section 78 of the Drainage Act to improve the Clarke Creek Municipal Drain. The design has been provisionally adopted by Council and was tendered last year, with no bids received. The Drain will be re-tendered in February with the intent to complete the proposed work.

Gaunt-Laidlaw Municipal Drain

An onsite meeting was held on July 12, 2022, with K. Smart & Associates and the landowners of the watershed to determine the scope of work required. The Engineer completed the survey in the fall and is expected to have an information meeting to provide landowners with their findings and a proposed design early spring 2023.

Kempton Municipal Drain Improvement

RJ Burnside & Associates Ltd. were appointed to investigate improvements to the Kempton Municipal Drain. After initial proceedings it was determined to evaluate the effectiveness of the tile drain. With the recent improvements to the McNain Municipal Drain, follow up discussions with the landowners will aim to be completed in the Spring of 2023 to determine if an improvement to this Municipal Drain is still required.

Vandipenbeek Municipal Drian

July 12, 2022, Headway Engineering Limited held an onsite meeting at the Ripley Community Center to discuss the current issues that the landowners are having with the drain. The survey has been completed and the engineer is preparing a design to present to landowners at an information meeting in spring 2023.

Black Creek Municipal Drain

Beavers are in the Drain and are being trapped. The file has been transferred to RJ Burnside & Associates who are currently in the process of putting together a plan of the watershed with up-to-date ownership information from Huron-Kinloss, Brockton and South Bruce. Once completed, the appointed Engineer will be in contact to set up an on-site meeting.

Park Street & Railway Street Municipal Drains

RJ Burnside & Associates Ltd. have been appointed under section 78 of the Drainage Act, to improve the Park Street Municipal Drain. A draft report has been distributed to the landowners and stakeholders involved to provide feedback to the Engineer. Once the Engineer has received adequate feedback form all parties, they will make any adjustments needed. Council may expect to see the final draft report in spring 2023.

Maintenance Works

Ackert Municipal Drain

Beaver trapping in progress. Landowner's upstream of Karishea Ave. are to be assessed maintenance costs. A drain maintenance request has been made to cleanout the Ackert drain downstream of Karishea Ave.

Gaunt Municipal Drain

Beaver trapping in progress. Drain cleanout in Lots 29, 30, & 31 Concession 2, Kinloss- Maitland Valley Conservation Authority (MVCA) approvals have been received. The drain is classified as an 'F' class drain in which there are no requirements for Fisheries and Oceans Canada (DFO) approval. A contractor has been contacted to facilitate the work.

Stewart Municipal Drain

A request has been made for a clean out downstream of Concession A, Pt. Lot 60, Parcel ID (9-121-01). A landowner has requested that a portion of Concession 12 roadside ditch be cleaned out to relieve his private lands from flooding. The drain is an Unrated municipal drain which will require DFO to complete a site-specific review of the drain. Awaiting Saugeen Valley Conservation Authority (SVCA) & DFO approvals to facilitate work.

Wilken Municipal Drain

Large overgrown maple trees located within Pt. Lot 33, Concession 3, Huron, have the Wilken municipal drain plugged. Approximately 60m (195') of 350mm (14") field tile need replaced.

Financial Impacts:

The Municipality is responsible for any Assessments to all Municipal lands and roads as determined by the engineer.

Strategic Alignment / Link:

We are a prosperous community that continues to grow in a sustainable manner while being environmentally conscious and good stewards of our natural environment.

Respectfully Submitted By:

Ken McCallum, Drainage Superintendent

Report Approved By:

Mary Rose Walden, Chief Administrative Officer