



**Report**      DEV2024-072 - Municipal Drain Capital Operating Plan  
**Date**        **Wednesday, December 11, 2024**  
**From**        **Kevin Verkindt, Manager of Engineering and Infrastructure**

### **Memo Report**

This document and its attachments are public and available in an accessible format upon request.

### **Recommendation**

That the Municipal Drain Capital Operating Plan be received for information.

### **Analysis**

There are a number of Municipal Drains in Georgian Bluffs. A Municipal Drain is an engineered and designed drain that conveys water away from properties and into natural drainage systems. A Municipal Drain is implemented through a legislated process at the request of benefiting property owners. Often, but not in all instances, a Municipal Drain is requested to support drainage of lands for agricultural purposes with each benefiting property owner bearing a portion of the installation and maintenance costs. Municipal Drains are operated by the municipality but are not tax supported as all costs associated to their operations are charged back to benefiting properties.

The municipality must appoint a Drainage Superintendent to oversee the Municipal Drain program. They are responsible for the management of Municipal Drains and making recommendations on cost apportionment. GEI (and its predecessor, GM Blueplan) have served as the Township Drainage Superintendent for many years.

As part of our ongoing efforts to maintain and improve the Township's municipal drainage systems, GEI Consultants (GEI) provides expert services in designing, planning, and overseeing various drainage projects. These projects aim to solve drainage problems within a watershed or need for a drainage outlet. Please refer to the attached detailed overview of the Municipal Drain Capital and Operating Plan, which outlines the services provided by GEI Consultants, as well as the regulatory requirements they adhere to for the Township.

### **Contracted Services:**



GEI, with their specialized expertise in municipal drainage and being representative as the Township's Drainage Superintendent, have been tasked with, but not limited to the following:

### **1. Drainage System Assessment and Mapping**

- GEI has conducted a comprehensive assessment of existing drainage infrastructure across multiple districts within the municipality.
- GEI developed detailed maps and reports that document municipal drains and historical maintenance activities.

### **2. Design and Engineering Support for Drainage Improvements, Inspections and Maintenance**

- GEI has provided engineering designs for improvements to Municipal Drains, including the replacement or enhancement of outdated culverts, drainage pipes, and outlets.
- Their design work ensures that new systems will meet the latest environmental standards and accommodate future development needs.

### **3. Compliance**

- The Drainage Superintendent must inform and report to Council on regular basis of any drainage works occurring in the Municipality.
- The Drainage Superintendent must initiate and supervise the maintenance and repair of any drainage works in accordance with the current by-law.

### **Eight Year Maintenance and Inspection Plan**

GEI has developed an eight-year maintenance and inspection plan that fully aligns with the regulatory requirements of the Drainage Act. Over this period, all of the Township's municipal drains will undergo thorough inspections, with necessary maintenance scheduled promptly to ensure ongoing compliance and system reliability.

### **Conclusions**

GEI Consultants' specialized services are vital to ensuring that the Township's drainage systems remain compliant with regulations while also being resilient to the increasing and evolving environmental challenges.

### **Respectfully Submitted:**



Kevin Verkindt, Manager of Engineering and Infrastructure



### Report Approval Details

Document Title:	Municipal Drain Capital Operating Plan.docx
Attachments:	- Attachment 1 - Capital Operating Plan .pdf
Final Approval Date:	Nov 21, 2024

This report and all of its attachments were approved and signed as outlined below:

Michael Benner, Director of Development and Infrastructure

Niall Lobley, Chief Administrative Officer