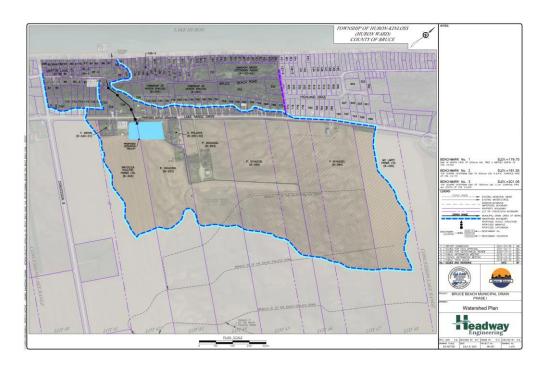
Township of Huron-Kinloss July 19th, 2021 Meeting to Consider Report

Bruce Beach Municipal Drain Phase I





Presentation Overview

- Authorization & Public Engagement
- Findings
- Recommendations & Design
- Estimated Costs
- Process/Procedure and Next Steps





BRUCE BEACH MUNICIPAL DRAIN PHASE I



July 8, 2021

Prepared for:

Township of Huron - Kinloss

Prepared b

Headway Engineering 23-500 Fairway Road South Suite 308 Kitchener, Ontario N2C 1X3 226 243 6614 www.headwayeng.ca

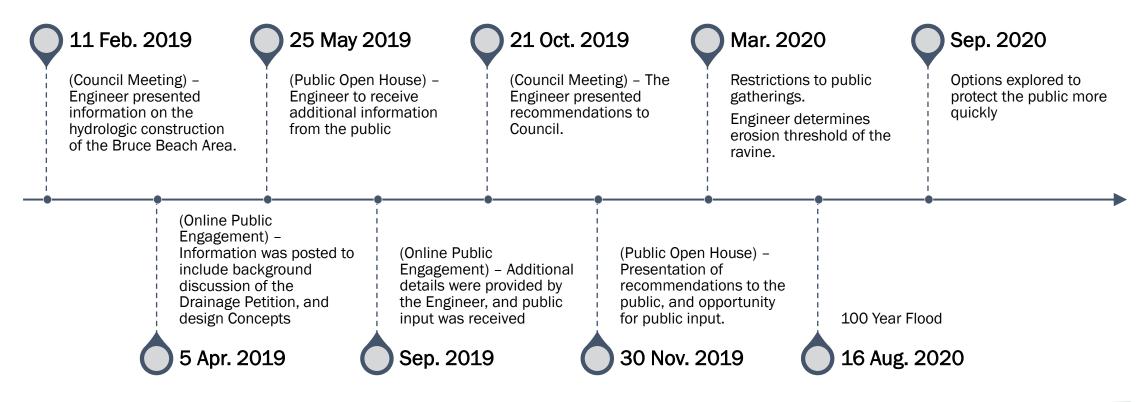


Authorization

- Dietrich Engineering Limited Appointed by the Council of the Township of Huron-Kinloss on November 19, 2018 under Section 4 of the Drainage Act.
- The Council adjusted its appointment of the Engineer on May 3, 2021 to Reflect Headway Engineering as the new appointee.



Timeline of Events





Timeline of Events (continued)

(Council Meeting) – the Engineer provided Council with an undetected

(Council Meeting) – the Engineer provided Council with an update and discussed project phasing to increase public safety more quickly. Jan. 2021

Geotechnical investigations, design review and reporting.
3 May 2021

May 3, 2021

Adjust appointment of the Engineer

8 July 2021

Drainage Report

Meeting with Landowners directly affected by the Detention Facility. The SVCA requires geotechnical analysis of proposed ravine works

Nov. 2020

SVCA Approval (in principle) received

March 7, 2021

2021 – Meetings with Landowners most affected by downstream works.

20 May and 21 May

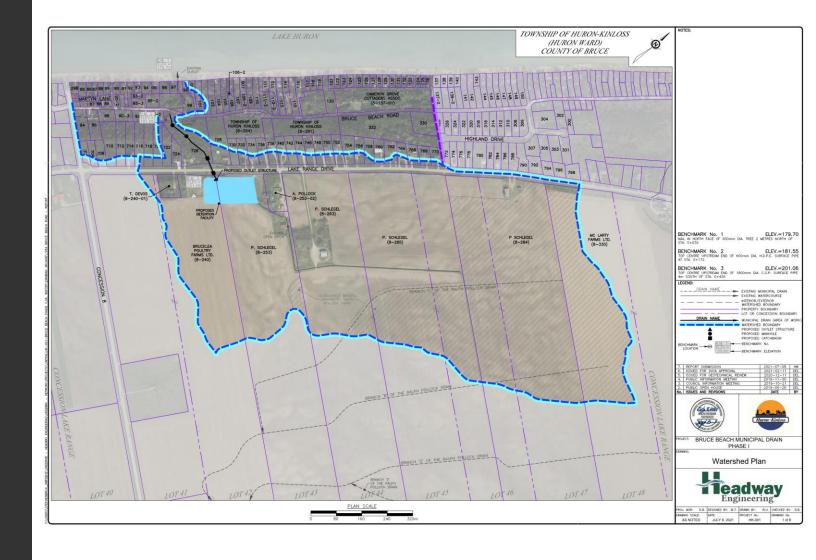
Consideration of the report

19 July 2021



Findings

Nearly 200 Acres drains through the ravine.





Findings

The Ravine is experiencing high levels of erosion.





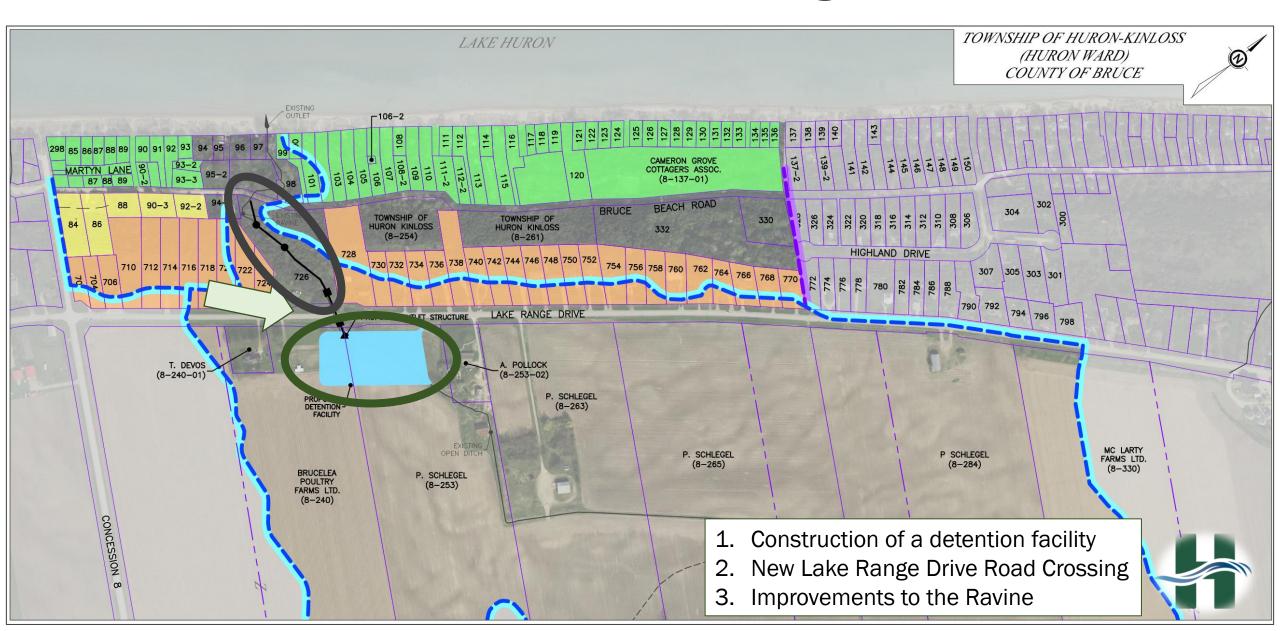
Findings

Significant Storm Events have been experienced

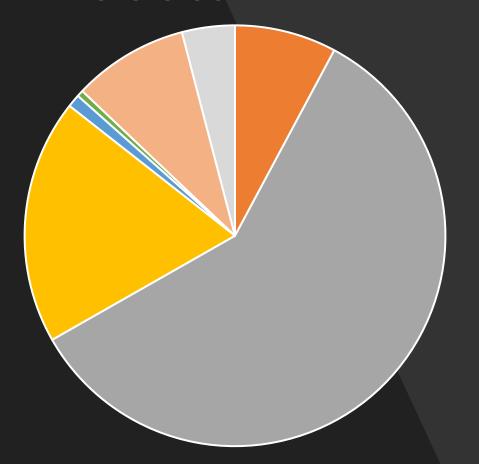




Recommendations and Design



Estimated Costs





Allowances



Construction Costs



Meetings, Surveys, Design, Cost Estimates, Reporting, etc.



Legal Surveys, Appraisal Reports and Geotechnical Reviews



Environmental Agencies and Permitting Fees



Contract Documents, Administration, Supervision & Inspection



Interest & NET HST



Total Estimated Costs: \$1,015,000



Process

- Appointment of an Engineer under Section
 4 Complete
- Onsite Meeting and Public Engagements Complete
- Survey Complete
- Drafting Complete
- Design and Cost Estimating Complete
- Public Engagements Complete
- Environmental Consultations Complete
- Prepare final Report Complete
- Processing the Report Next Slide
- Tendering
- Construction
- Recover Costs





Processing the Report



Engineer files the report with the Township – Complete



Township schedules Meeting to Consider the Report – Complete



Township mails a copy of the report, and a Notice of the Meeting to Consider the Report to everybody affected – Complete



Meeting to Consider (Tonight)



Township forwards a copy of the provisional by-law to Landowners, along with a notice of the Court of Revision



Appeals Process

Court of Revision – Assessment Based Appeals

Tribunal and Referee (if necessary)



Third Reading of the By-Law



