



Staff Report

Report Title: Bruce Beach Municipal Drain Phase I Update (11), Bruce Beach Municipal Drain Phase II Update (8), Bruce Beach Municipal Drain Extension Branch 'A' (5)-

Prepared By: Ken McCallum, Drainage Superintendent

Department: Drain

Date: Nov. 7, 2022

**Report Number: DRAIN-2022-11-21
D09 BBD Ph II**

File Number: D09 BBD Ph 1

Attachments: None

Recommendation:

That the Township of Huron-Kinloss Committee of the Whole hereby receives for information Report DRAIN-2022-11-21 prepared by Ken McCallum, Drainage Superintendent.

Background:

Construction – Bruce Beach Municipal Drain – Phase I

Phase I report includes the construction of the Pond Detention facility, ravine work between Lake Range Drive and Bruce Beach Road.

Bruce Beach Municipal Drain – Phase II

Phase II will finalize the outlet to the lake for the watercourse.

Bruce Beach Municipal Drain Extension (Branch 'A')

Branch 'A' will be included with Phase II work.

Discussion:

Phase I

The detention facility has been constructed with topsoil grading and hydroseeding completed. Repairs to the slope on Lake Range Drive are almost complete with only a few deficiency items remaining under the contract.

Lake Range Drive Slope Repair deficiencies:

Rock Chutes and other Rip-rap

Hydroseeding

Ravine deficiencies including:

Grading to Rip-rap lined swale and settlement areas where applicable

Hydroseeding

Pipe Flushing, cleanout sediment in catch basins, and Vac truck outlet on both sides of Bruce Beach Road.

Guiderail adjustment and end treatment

Rip-rap jacket around detention centre outlet

Cable concrete adjustment

Remove temporary laneway and grade area

Grade edges of the detention centre access road to tie into the topsoil

Phase II

True Consulting the new Coastal Engineer is still working on its component to address SVCA's 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 move along and will 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.

Financial Impacts:

The Municipality is responsible for any assessments to all Municipal lands and roads as specified 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