

B. M. ROSS AND ASSOCIATES LIMITED
Engineers and Planners
 62 North Street, Goderich, ON N7A 2T4
 p. (519) 524-2641 www.bmross.net

File No. 21278

VIA EMAIL ONLY

November 27, 2024

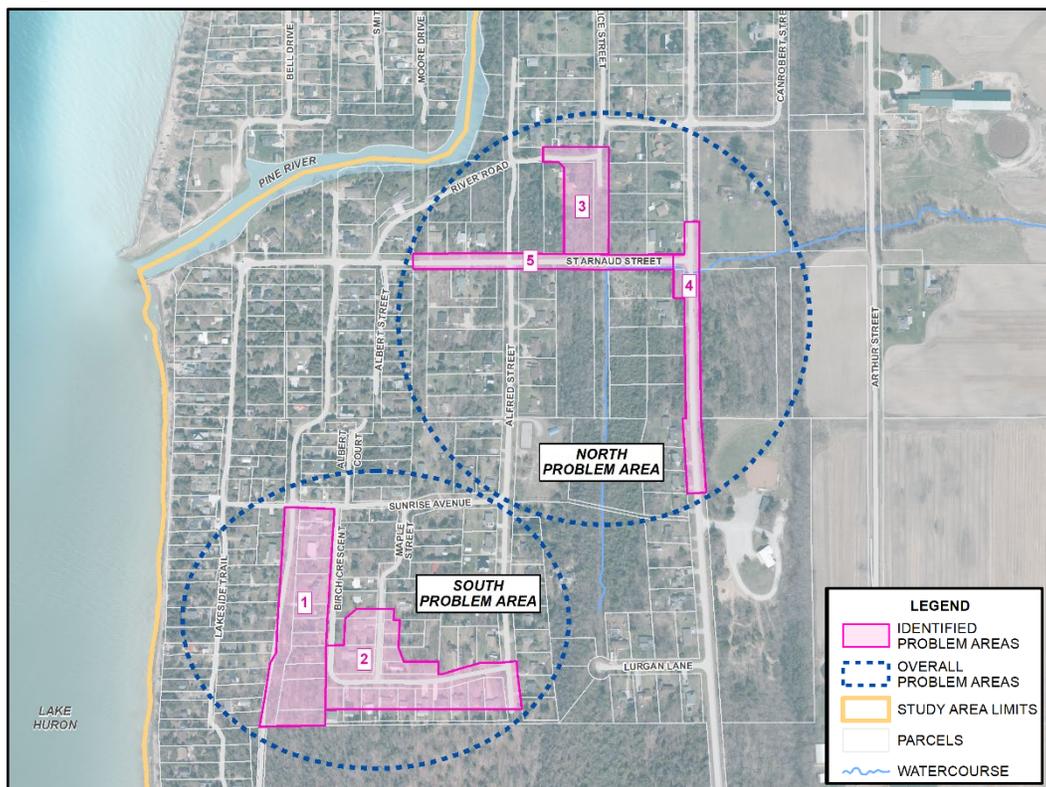
John Yungblut, Director of Public Works
 Township of Huron-Kinloss
 21 Queen Street, Box 130
 Ripley, ON N0G 2R0

**Re: Stormwater Servicing Master Plan – Northern Point Clark
 Master Plan Update – Recommended Alternatives**

On October 21, 2024, BMROSS staff presented an update to Huron-Kinloss Council on the Stormwater Servicing Master Plan and the results of a recent Public Meeting held as part of the Master Plan process. Further to the council presentation, this correspondence confirms the current recommendations for projects identified through the Master Plan

As noted in the presentation to council and illustrated below on Figure 1, alternatives have been identified for the two problem areas identified through the study; North Problem Area and South Problem Area.

Figure 1 – Identified Problem Areas



1.0 Identified Alternatives

1.1 North Problem Area

Four alternatives were identified for the north problem area to address the drainage problem in that area as follows: Existing drainage infrastructure is insufficient, in size and capacity, to accommodate existing and expected development and impacts related to climate change. The identified alternatives are as follows:

Alternative 1 – Increase capacity of the St. Arnaud storm sewer outletting to the Pine River

Alternative 2 – Investigate storage opportunities east of Lake Range Drive – Berm/pond facility

Alternative 3 – Investigate ditch improvements to provide additional storage capacity

Alternative 4 – Do Nothing

The recommended approach for the north problem area, to address the identified drainage deficiencies, is to **implement Alternative 1: Increase capacity of the St. Arnaud storm sewer outletting to the Pine River, and Alternative 2: Investigate storage opportunities east of Lake Range Drive – Berm/Pond Facility.** Because alternative 1 & alternative 2 each address a different component of the north problem area, the timing for implementation is not critical to the success of either component. Therefore implementation of either Alternative could proceed at the discretion of the Township, providing that all applicable approvals are obtained prior to implementation.

1.2 South Problem Area

Four alternatives were identified for the north problem area to address the drainage problem in that area as follows: Existing drainage infrastructure is insufficient, in size and capacity, to accommodate existing and expected development and impacts related to climate change. The identified alternatives are as follows:

Alternative 1 – Install storm sewer along Birch Crescent and then north, outletting to Pine River

Alternative 2 – Install storm sewer along Birch Crescent and Sunrise Ave., outletting to Lake Huron through a new outlet

Alternative 3 – Construct a storm drainage pumping station to pump stormwater to a suitable outlet

Alternative 4 - Subsurface disposal of stormwater (infiltration)

Alternative 5 - Do Nothing

The recommended approach for the south problem area, to address the identified drainage deficiencies, is **to implement Alternative 1: Install storm sewer along Birch Cr. and then north, outletting to the Pine River.** Because of the broad scope of work addressed through the Master Plan it is expected that individual projects will be implemented over a number of years.

The timing of implementation is at the discretion of the Township, when funding becomes available to move forward with implementation and providing that all applicable approvals have been obtained prior to implementation.

Implementation of projects for both the North and South Problem areas are subject to formal completion of the Master Plan process, which includes the following additional steps:

- Preparation of a Master Plan Report
- Preparation and Publication of a Notice of Master Plan Completion
- Master Plan Report must be made available for Public Review for a 30 day mandatory review period
- Formal adoption of the Master Plan by Township Council

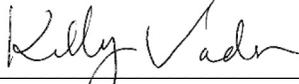
I trust that this has provided the clarification required in regards to the recommended alternatives identified for the Stormwater Servicing Master Plan.

Yours very truly

B. M. ROSS AND ASSOCIATES LIMITED

Per 
Steve Jackson, P. Eng.

B. M. ROSS AND ASSOCIATES LIMITED

Per 
Kelly Vader, R.P.P.

KV:es