



Meeting Date: August 7, 2024

Prepared By: Dan Anderson – Drainage Superintendent / Technologist

Submitted by: Rob Cascaden, P.Eng – Director, Public Works and Engineering

Report No: PWE 37-2024

Subject: Komoka SWMF Detailed Design RFP Award

Recommendation:

THAT Report PWE-37-2024, re: Komoka SWMF Detailed Design RFP Award be received;

AND THAT the detailed design for the Komoka Stormwater Management Facility (SWMF) be awarded to AECOM Canada Ltd. in the amount of \$376,256.00 (exclusive of HST);

AND FURTHER THAT the Mayor and Clerk be authorized to execute the necessary contract documents.

Purpose:

This report seeks to inform Council of the status of the upcoming Komoka Stormwater Management Facility (See attached A1 – Location Map) as well as seek the approval of Council to retain an engineering consultant to undertake the detailed design and contract preparation and administration.

Background:

The Municipality of Middlesex Centre undertook a Municipal Class EA to prepare the Middlesex Centre Settlement Area Stormwater Master Plan dated July 17, 2020 as prepared by Stantec Consulting Ltd. In the Master Plan, it is noted that the existing drainage system servicing part of the south portion of Komoka is not designed in accordance with the current Municipality of Middlesex Centre storm sewer design standards and currently discharges to a privately owned pond located at 22447 Komoka Road.

The existing storm sewer which discharges into the existing pond is actually a municipal drain called the Komoka Drainage Works Drain No.1 which currently services a limited area along Komoka Road from Ontario Avenue to the north inlet to the pond. The commercial developments located at 9909 and 9919 Glendon Drive also discharge stormwater runoff from those sites to the existing private pond via private easements across 22447 Komoka Road. In addition, the residential VLC developments located at 9861 Glendon Drive also discharge stormwater runoff the existing pond via a private easement across 22447 Komoka Road.

The existing Komoka Drainage Works system is not designed to handle future development servicing. The Middlesex Centre Settlement Area Stormwater Master Plan considered various alternatives to provide stormwater management for south Komoka including the redevelopment of Glendon Drive and future development lands. The preferred alternative to provide stormwater controls for this area as identified in the Master Plan is to convert the existing pond into a municipal wet pond designed in accordance with the Ministry of the Environment, Conservation and Parks (MECP) design criteria to provide both water quality and peak flow control to the runoff from the upstream servicing area.

The preferred alternative in the 2017 Master Plan included an approximate 650m long proposed piped outlet from 22447 Komoka Road to the existing pond at the Komoka Park which in turn outlets to the Thames River. In the fall of 2023, the Community Stormwater Master Plan Update was filled with the MECP. The update modified the outlet location for the preferred alternative so it by-passes the Komoka Park pond and outlets directly to the Thames River, approximately a 1000m long outlet from 22447 Komoka Road to the Thames River within the Komoka Road right-of-way

The existing pond at 22447 Komoka Road currently discharges to the large pond located on 22393 Komoka Road by way of a surface level connection along the southeast side of the pond. This discharge location is to be removed once the new Komoka Road outlet is constructed.

The Municipality of Middlesex Centre issued a Request for Proposal (RFP) with the intent to retain an Engineering Consultant to complete the Preliminary and Detailed Design as well as Manage the Contract for the construction of the proposed stormwater facility.

Analysis:

The RFP for the Komoka SWMF closed on July 11, 2024 with five Consultants submitting proposals. Municipal staff reviewed and evaluated the proposals based on a best value award in which the proposals submitted were evaluated and considered the consultants: methodology approach and project understanding, project team member qualifications, experience on directly related projects, and recommendations or innovative ideas.

The weighting used for the evaluation can be found below and places an emphasis on the ability of the successful consultant to clearly demonstrate an understanding of the project, a clear understanding of deliverables and goals, and a strong project team that is qualified with demonstrated delivery of similar projects.

Category	Weighting
Methodology, Approach & Understanding of Project Goals and Objectives	30 points
Project Manager & Team Member Qualifications	30 points
Experience on Directly Related Projects	25 points
Recommendations /Innovative Ideas	15 points
Total	100 points

Consultants are required to meet an evaluation score of at least 70 to continue to the opening of costs. The evaluation score is then combined with the costing to determine a best value proposal submission. Below is an example of the Evaluated Bid process in which Proponent B is the successful proponent. Evaluated Bid = Bid Price / Technical Score x 100.

Proponent	Bid Price	Technical Score	Evaluated Bid
A	\$200,000	85	\$235,294
B	\$220,000	95	\$231,579

Of the five consultants, three were successful in achieving a score of at least 70 with the evaluated bid results shown below:

	AECOM Canada Ltd	Aquafor Beech Ltd	Stantec Consulting Ltd
Evaluated Bid	\$364,530.37	\$368,869.83	\$393,397.69

Financial Implications:

The total Council approved budget for 2024 for the Komoka SWMF Detailed Design is \$315,000.

The consultant fee for undertaking this work (including a 10% contingency allowance) is **\$376,256 + HST** (\$382,878.10 including the non recoverable portion of HST). The consultant fee for undertaking the detailed design in 2024 is \$239,875 with an additional \$102,176.00 for Contract Administration once the project goes to construction in 2025. The proposed consultant fee also includes a 10% contingency allowance in the amount of \$34,205. The contingency will be utilized if additional work outside of the set scope is required however the consultant will be required to receive authorization from municipal staff before proceeding with additional work.

Strategic Plan:

This matter aligns with following strategic priorities:

- Sustainable Infrastructure and Services
- Responsive Municipal Government

This project will ensure that the proper infrastructure is in place to service the residents as well as accommodate future growth within the Municipality. It will also ensure that environmental needs of the area are better met.

Attachments:

A1 – Location Map