

THE CORPORATION OF THE MUNICIPALITY OF MISSISSIPPI MILLS

STAFF REPORT

DATE: February 15, 2022

TO: Committee of the Whole

FROM: Cory Smith, A/Director of Roads and Public Works

SUBJECT: **Update Water Storage Unit**

RECOMMENDATION:

THAT Committee of the Whole receive the report titled: Update Water Storage Unit as information.

BACKGROUND:

In 2017, the Municipality of Mississippi Mills (The Municipality) retained J.L. Richards & Associates Limited (JLR) to complete an update to its Water and Wastewater Infrastructure Master Plan. The updated Master Plan concluded that, in addition to water supply and treatment constraints, there was a finite amount of potable water storage available. The available storage capacity was insufficient to meet the Ministry of the Environment, Conservation and Parks (MECP) design guidelines with an increasing deficit anticipated as the community continues to grow. As a result, the Municipality completed an environmental assessment to evaluate options for potable water storage now and in the future. This report indicated that the recommended solution was an at-grade 2,500 cubic meter water storage reservoir and pump station complete with chemical treatment located at 478 Almonte Street.

Following a successful tender process, the construction of the new water storage reservoir and the pump station was awarded to J.C. Sulphur Construction Ltd. (The Contractor). On October 2, 2020, the contractor was given authority to mobilize and begin construction activities.

DISCUSSION:

Despite delays incurred due to COVID-19 shutdowns and procurement delays, construction of the water storage reservoir and pump station was completed in the fall of 2021. In December 2021, the system went live, and a 14-day trial of the added infrastructure was completed. The intent of the 14-day trial was to have the Ontario Clean Water Agency (OCWA) and Municipal Operators, operate the system in its designed and constructed configuration. The Contractor and JLR were available throughout this process to respond to questions and aid as required.

The 14-day trial has allowed the Municipality, OCWA, JLR and the Contractor to identify deficiencies in the system and to find ways to optimize the new facility. The construction team is currently working to correct the deficiencies and to implement the changes required to optimize the operation of the new facility. Upon completion of this work and successful submittal of all required closeout documentation, the Contractor shall achieve substantial completion and the warranty period shall begin. It is expected that substantial completion will be attained by end of February 2022.

It should be noted that while the facility is operational, and substantial completion will soon be granted there are seasonal works the contractor must complete. This work will be completed in the Spring, when the weather allows the work to take place (additional grading, seeding, paving). The contractor has not been paid for these activities.

FINANCIAL IMPLICATIONS:

There was an approved budget of \$4,000,000.00 to complete the water storage reservoir and pumping station. To date, total expenditures amount to \$2,822,805.72. Anticipated final cost of this project is \$3,300,000.00. Funds are still being held to account for the holdback and outstanding items to be completed in the spring.

SUMMARY:

Staff are satisfied with the progress and the works to date.

Respectfully submitted,

Reviewed by,



Dan Cousineau, P.Eng.

Ken Kelly, CAO

Respectfully submitted,

Cory Smith
A/Director of Public Works