



**Stantec Consulting Services Inc.**

733 Marquette Avenue Suite 1000, Minneapolis MN 55402-2309

January 18, 2023

Heidi Honey, City Administrator  
City of Minnetonka Beach  
2945 Westwood Road  
Minnetonka Beach, MN 55361

Re: 2023 Water Treatment Plant Replacement Summary

### **Background**

The current water treatment plant continues to provide safe drinking water for the community of Minnetonka Beach. However, the plant was constructed in 1958 and does not meet current water treatment plant standards. The existing plant was evaluated by a Condition Evaluation Report prepared by Stantec in December 2019 and again by the Minnesota Department of Health in 2021. The reports indicate many of the components have exceeded their expected useful life and require replacement in the near future.

The reports revealed deficiencies with the building, electrical, mechanical and process equipment. More specifically, the building exterior envelope was noted in fair to good condition, the main concern was the exposed insulation inside the building and the separation distance of the sanitary sewer piping and water wells. The electrical system was noted in good condition with recommendations to upgrade various components to increase reliability of the system. The mechanical equipment had several noted deficiencies, some of which were noted with expected failure to be within five years. Lastly, the process equipment that had the most severe consequence of failure had items evaluated as a high priority for future improvements. This equipment is outdated when compared to current standards and will require maintenance or replacement.

### **Water Plant Replacement Project:**

At the December 2022 council meeting, Stantec presented a proposal for design of a new water treatment plant which updated project costs and schedule for a new water treatment plant located near the water tower and existing public works building.

The Stantec team will complete the design of the new plant in 2023. The bidding climate will then be evaluated and assuming that the bidding climate is still favorable, the project will be put out for public bid in late 2023 or early 2024. Total estimated construction duration for the project is 18 months from award of the contract.

Updated project costs were presented to council and total project costs are currently estimated at about \$6.6M. Once the project design is completed, the City and Stantec will have the opportunity to re-evaluate project costs based on the final design and construction estimate.

Council ultimately voted to accept the proposal and the design is currently underway.

We thank you for the opportunity to provide these services and feel free to contact me should you have any questions. I can be reached at (651) 308-9560 or [alan.offerman@stantec.com](mailto:alan.offerman@stantec.com).

Sincerely,  
Stantec

Alan Offerman, P.E.  
Civil Engineer