

# STAR LAKE WATER IMPROVEMENT PROJECT

From the Cover | By Mark Hall

“The Star Lake Water System Improvement Project, finalized July 2020, implemented improvements to the water treatment process, distribution system, and source water intake. The previous diatomaceous earth filtration system was deficient, especially meeting peak seasonal water demand. Following the evaluation of multiple treatment technologies and pilot testing, membrane filtration treatment was selected because of its small footprint and automation capabilities. The existing water treatment facility was converted to a raw water pump station and storage facility, while a new “ultrafiltration” water treatment facility was constructed closer to the water tank. A new 248,715-gallon glass-fused-to-steel water storage tank was constructed to replace the 65-year-old 200,000-gallon welded steel tank. Approximately 40,000 feet of PVC and HDPE water main was installed to replace asbestos-cement mains. The Star

Lake Water District was expanded to loop water mains around the south side of the lake, thus providing all customers, including the Hospital and School facilities, with more consistent and reliable water by removing long dead ends and creating multiple paths for water to flow.

The project also addressed regional needs and interconnected the neighboring towns’ two smaller water districts; therefore, consolidating three water treatment facilities, thereby sharing the benefits of one new state of the art facility with the capability to meet each communities’ needs. Consolidating and expanding the districts also provided potable water to one of the largest industrial properties in the Adirondack Park. The project was funded by the Environmental Facilities Corporation’s (EFC) Drinking Water State Revolving Fund (DWSRF) and the Dormitory of the State of New York (DASNY) State and Municipal Facilities programs.” 💧💧💧

