



In a water system evaluation report by Dufresne Group, numerous deficiencies were identified throughout the water distribution system and at the raw water intake. The phasing plan developed in the evaluation report identified the Phase 1 project to resolve the most significant deficiencies.

The Phase 1 project is planned to improve water quality by replacing the intake screen and ensuring active water exchange in the Cedar Crest Tank. The project also improves the operator's ability to detect leaks by adding a master distribution meter and a river crossing meter.

DG was responsible for preliminary engineering to identify deficiencies, final design of the Phase 1 project and construction phase engineering. DG provided permitting assistance including an Act 250 minor permit amendment, Lakeshore Encroachment Permit, DWGPD Construction Permit, Division of Historic Preservation approval and Environmental Report. DG also assisted the Village in obtaining funding through the DWSRF for all three phases of the project.

KEY FEATURES

- Removal of deteriorated gate-house and pier.
- Upgrade the raw water intake in Minard's Pond, including removal of existing intake valve and installation of an air actuated intake valve, screen with air cleaning system and chemical feed and sensing tubes.
- Install master distribution meter at treatment plant and integrate with SCADA.
- Install source control valve vault and a transfer valve with a 1-inch bypass to ensure active water exchange in the Cedar Crest Tank.
- Install meter pit on north side of Saxton's River to allow for leak detection.