



GARDNER ULTRA FILTRATION TREATMENT FACILITY - GARDNER, MA

PROJECT INFO:

OWNER:

City of Gardner, MA

ENGINEER:

Earth Tech

PROJECT VALUE:

\$3.7 Million

TECHNOLOGIES/MATERIALS:

Ultra-filtration Membrane Filtration

PROJECT HIGHLIGHTS:

The new facility treats & delivers to the City of Gardner a minimum of 3 million gallons per day.



ADDITIONAL DETAILS

As the General Contractor, Methuen Construction provided construction management, sitework, concrete work, miscellaneous metals, structural steel, carpentry, plus thermal and moisture protection for this new water treatment facility.

The Crystal Lake Water Treatment Facility is a new facility designed to treat and deliver a minimum of 3 million gallons of water per day to the City of Gardner, MA. Construction of the main treatment building was on the shore of Crystal Lake and required continuous protection of the lake during the construction project.

The project included a twenty-four inch diameter supply line that extended one-hundred feet into the lake and was secured in a saddle to assure continuous supply. Primary filtration consists of four trains of Koch membrane ultra-filtration systems. Each train is capable of delivering one million gallons of finished water. Normal operation is with three trains in operation and one on standby.