



Water Works Systems



Settlers Ridge Water Works System Improvements Sugar Grove, Illinois



Water Treatment Plant

Construction Cost:

- \$7,535,000

Project Features:

- Two (2) 1,000 gpm Deep Water Supply Wells
- 2.88 MGD Cation Exchange Water Treatment Plant
- 2.0 MG Ground Storage Reservoir
- SCADA System



Ground Storage Reservoir

In 2004, the Village of Sugar Grove in response to projected community growth, which included the 1,300-acre Settlers Ridge subdivision located on the east end of town, retained Engineering Enterprises, Inc. (EEL) to begin planning for required infrastructure needs. The planning effort consisted of a detailed water works system needs assessment and groundwater exploration.

From these efforts, the Village and EEL identified various infrastructure requirements. The initial group to be implemented were the Settlers Ridge Water Works improvements which included two 1,000 gpm deep Ironton-Galesville water supply wells, a 2.88 MGD cation exchange water treatment plant, a 2.0 MG prestressed concrete ground storage reservoir and a SCADA system.

Additionally, the Village expressed a desire to construct facilities that captured the rural agricultural heritage of the Midwest and the Village, as well as, compliment the conservation design principles of the development. Numerous renderings depicting combination of materials and architectural features were created for Village consideration. The concept that emerged was modeled after a farmstead.

The project was constructed on-time with less than 0.3% in change-orders.

A Look Inside:



High Service Pumps



Cation Exchange Units



Chemical Feed Analyzers