



Water Works Systems

Water Works System Improvements
Hampshire, Illinois



Construction Cost:

- \$21,500,000

Project Features:

- Needs Assessment
- Four (4) 1,000 GPM Water Supply Wells
- One (1) 1,000 GPM Hydrous Manganese Oxide and Reverse Osmosis Water Treatment Plant
- One (1) 2,000 GPM Hydrogen Sulfide & Cation Exchange Water Treatment Plant
- Two (2) Elevated Water Storage Tanks
- Two (2) Booster Pumping/Pressure Reducing Valve (BP/PRV) Stations
- Five (5) Pressure Reducing Valve Stations
- 48,700 Linear Feet of Water Main
- SCADA System Upgrade



Wells No. 10 & 13 Water Treatment Plant

The Village of Hampshire is located approximately 50 miles west of Chicago in Kane County. The Village population, currently a little over 4,000, is projected to be near 30,000 by 2030.

In preparation for this growth, Engineering Enterprises, Inc. (EEL) performed a Water Works System Needs Assessment which identified and scheduled needed infrastructure improvements to five developments comprising 3,100 acres surrounding the Village.

In response to the improvements identified in the Needs Assessment, EEL provided design and construction engineering services for three 1,000 GPM Ironton-Galesville water supply wells; one 1,000 GPM Mt. Simon water supply well, two water treatment plants; two elevated water storage tanks; numerous booster pumping and pressure reducing valve stations; and over 48,000 linear feet of water main.

All components were funded by developer impact fees and were operational in 2008 except for the Mt. Simon well and HMO and RO water treatment plant, which was completed in June 2009.



Well No. 10 Construction



Water Main Installation



Tamm's Farm Elevated Water Storage Tank