

## BOOSTER PUMPING STATION

**Owner:** Water & Wastewater Pollution Control Authority  
Montville, CT

**In Cooperation with:** Mohegan Tribal Authority  
Montville, CT

**Contact:** Chris C. Clark, P.L.S.  
Operations Manager  
Mohegan Tribal Utility Authority

**Telephone:** 860-862-6280

**Key Personnel:** Richard S. Johnson, P.E.  
Patrick G. Brennan, P.E.

### PROJECT DESCRIPTION

Our work on the Thames River Basin Regional Water Interconnection Project, involved interconnecting the water systems of six communities and one Tribal Nation. Included as part of the project was the construction of a booster pumping station in Montville, CT. The station included three pumping units, stand-by power and was designed to accommodate the varying demands of a gaming/resort facility. Other work included development of an hydraulic model of the interconnected regional system, 9,000 l.f. of water mains, a directional drilled water main crossing of the Thames River, and a 1.25 mil. gal. water storage reservoir. The project was completed in 2008.



# FURNACE BROOK NO. 1 REPLACEMENT WELL

**Owner:** Water Division, Department of Public Works  
Marshfield, MA  
2007

**Contact:** Roderic Procaccino, Town Engineer  
870 Moraine Street  
Marshfield, MA 02050

**Telephone:** 781-834-5589

**Key Personnel:** David A. Jacobsen, P.E.  
Patrick G. Brennan, P.E.

## PROJECT DESCRIPTION

Our work for the Marshfield Department of Public Works included design and construction services for the complete replacement of an old well supply. The project included a new 1.0 mgd gravel-packed well and pumping station plus demolition of the old station and abandonment of the original well. The pumping station houses the new 24-in. by 36-in. gravel-packed production well, SCADA control facilities, ultraviolet-light disinfection and corrosion control using hydrated lime. Facilities also include volatile organics removal by granular activated-carbon pressure filters, housed in an adjacent structure. The station was placed in service in 2007.

