

WELL NO. 3 REPLACEMENT WELLFIELD

Owner: Water Department
Avon, MA

Contact: John Tetreault, Superintendent
65 East Main Street
Avon, MA, 02322

Telephone: 508-588-0414

Key Personnel: David A. Jacobsen, P.E.
Ryan J. Trahan, P.E.

PROJECT DESCRIPTION

The design of Wellfield Pumping Station No. 3 included replacement of an existing well and pumping station with a new facility. The facility included three 10-in. by 16-in. gravel-packed wells manifolded together and controlled from the new pumping station. Equipment includes a vertical-turbine pump and vacuum priming system. Construction of the pump station is complete and the station will initiate service following completion of a new water treatment plant for manganese removal now under construction.



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.

