
CEI Water Treatment Facility Featured



The March 2015 issue of the Journal of the New England Water Works Association (NEWWA) features the Town of Kingston, MA and the Manganese Removal Water Treatment Facility designed by CEI. On-line since November 2014, the facility has consistently removed both iron and manganese to non-detectable levels in the treated water.

The water treatment facility has a design capacity of 1.5 mgd (expandable to 3 mgd). With its brick exterior and architectural features, the treatment facility was designed to evoke the historic appearance of a traditionally built water facility while providing state-of-the-art functions and features expected of today's treatment facilities.

The primary process utilizes pressure filtration for iron and manganese removal with anthracite and GreensandPlus media. The facility is a 4,450 square foot slab-on-grade masonry superstructure with brick exterior and salt box style roof. In keeping with the Town's classification as a Green Community, the facility was constructed with energy efficiency innovations including a 20 kW kilo-watt photovoltaic solar power system with panels located on the roof of the facility. The salt box style roof and building orientation on the site maximized the potential for solar power generation.

CEI provided design, permitting, bid, construction and startup phase services for this project.

For more information contact Michael Ohl, P.E. at mohl@ceiengineers.com or Kristen Berger, P.E. at kberger@ceiengineers.com.

www.ceiengineers.com

