



Pine Springs Well Pumping Station for the Pinehills Community

Plymouth, Massachusetts

Horsley Witten Group (HW) prepared engineering design and environmental analysis for six submissions to state agencies required for approval to construct a well pumping station. The design included three large-diameter deep wells with turbine pumps and variable speed drives for surge control and varying water demands. The site has a safe yield of 2.6 million gallons per day.

The pumping station design also included a chemical room with treatment equipment for corrosion control and disinfection. An auxiliary 450-kilowatt generator provides emergency power. A buried concrete vault provides access to twin 12,000-gallon hydropneumatic storage tanks used to offset peak water demands and reduce pump cycling. HW also provided construction oversight of the well pumping station.



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