

A Turnkey Solution for a Small Community Water Supply System

Waukesha County, Wisconsin



Layne was hired by the developer of a new subdivision to design, permit, and construct a community water system with a very aggressive time schedule.

Key Project Areas

Water Supply

Well Construction

Pump Installation

Well Design

Layne designed, permitted, and constructed a potable water system for a new 136 private single-family home and 135 condominium community in Waukesha County, Wisconsin. Due to a tight construction schedule, Layne also developed and permitted a temporary system to provide water during facility construction.

Layne provided a turnkey solution to client that included:

- a 12-inch by 240 ft. sand-and-gravel well with a 200 gpm submersible pump
- a 10-inch by 660 ft. sandstone well with a 500 gpm lineshaft pump
- two 500 gpm short-set service pumps
- a 1,500 gpm fire service pump
- a 5,000 gallon steel hydropneumatic pressure tank
- a 200,000 gallon underground water storage reservoir
- chemical feed equipment
- discharge piping
- motor control center
- all other water system instrumentation and controls

