

RESIDENTIAL WELL REQUIREMENTS

1. General

A private water supply well to serve an individual lot shall be developed and tested in accordance with the pamphlet titled "Rural Water Supply" by NYS Department of Health, and all NYS Department of Environmental Conservation and NYS Department of Health standards.

2. Types of Water Supply

Studies show that drilled wells are generally more reliable and are less likely to become contaminated, so drilled wells are most preferred. Driven wells may also be acceptable if prevalent soil conditions make their use feasible. Dug wells will only be allowed if an engineer can prove that a drilled or driven well would not provide an adequate supply and the well design and installation are certified by a licensed professional engineer.

3. Quantity Requirements

All wells shall be tested for yield and drawdown for at least a four-hour duration by a certified National Water Well Association well driller, qualified hydro-geologist or licensed professional engineer, and a minimum sustaining well yield of five gallons per minute shall be obtained. The testing shall also document minimal well interference with existing wells in the area.

Wherever five gallons per minute cannot be obtained, well interference is evident, or the area is known or suspected of having low-yielding wells, all proposed water supply systems shall be designed by a licensed professional engineer and the required testing shall follow the guidelines below.

For a single family home on an individual lot, or a residential subdivision of four lots or less, a four-hour pump test shall be run by a certified National Water Well Association well driller or supervised by a licensed professional engineer or qualified hydro-geologist. Said test shall yield a minimum of two gallons per minute to demonstrate a minimally adequate yield, and sufficient storage as designed by a licensed professional engineer.

4. Quality Requirements

Compliance with drinking water standards shall be established by examination of samples submitted to a laboratory approved for such purpose by the State Commissioner of Health. Testing shall include bacteriological, physical as well as chemical characteristics, and biological organisms present in all samples taken.