



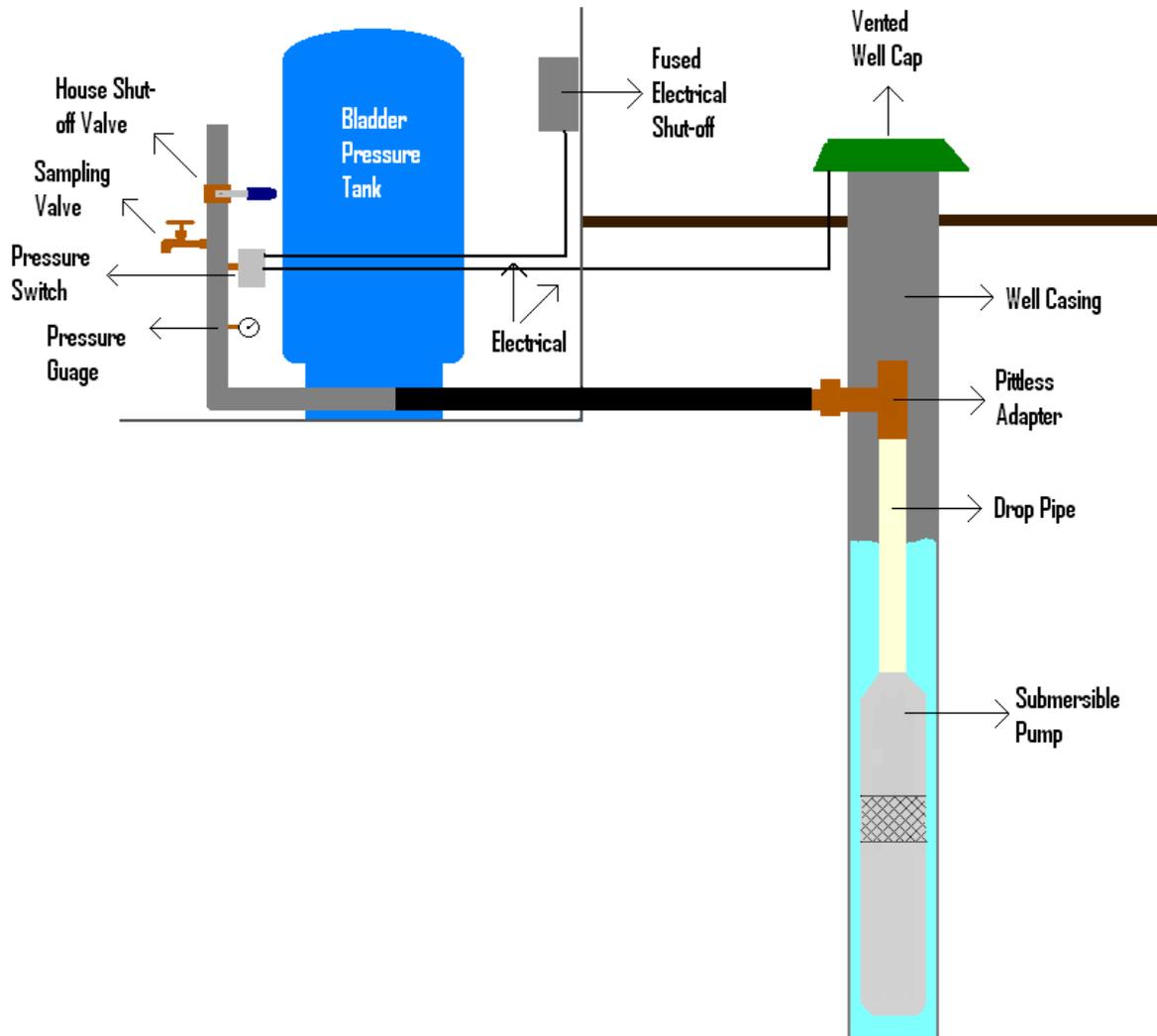
Water Well Services

United Sanitation Services, Inc. is fully licensed and insured to install water well pumps and to drill wells in Boone, Winnebago and McHenry Counties. We supply, install and service all water well system components, such as pumps, tanks, water lines, controls, etc. We also arrange well drilling for customers who prefer complete package pricing. We do well chlorination and system upgrades. We combine the highest quality materials and the finest workmanship with our knowledge of the latest technology to ensure customer satisfaction. Through years of experience, we have acquired the knowledge to correctly analyze and identify problems. Improperly identifying a problem can lead to excessive costs and potentially hazardous conditions for you and your family.

System Operation

Residential water well systems vary in the equipment used and the amount of water produced. The most basic system in our area usually consists of:

- checkA drilled well
A drilled well consists of a hole bored into the ground, with the upper part being lined with casing. The casing prevents the collapse of the borehole walls and prevents surface or subsurface contaminants from entering the water supply. The casing also provides housing for a pumping mechanism and for the pipe that moves water from the pump to the surface.
- checkA well cap
On the top of the casing should be an ?approved? well cap. A properly installed well cap separates potential pollutants from your drinking water. It should fit snugly so debris, insects or small animals can?t find their way into the well system.
- checkA submersible pump and motor installed at the bottom of the well
The submersible pump is controlled by a pressure switch. It?s a small electrical control unit which senses the pressure in the system and switches the pump on and off.
- checkA drop pipe to bring the water to the surface
- checkWire to carry the electricity down to the pump
- checkA pressure tank
The pressure tank allows the pump to run occasionally instead of every time a faucet is opened. The basic system is often enhanced, either by necessity or for improved performance, with a constant pressure delivery system. However, the drawing below represents the most common equipment combination.



Upgrading

Many older wells were constructed before construction codes existed and have expansion tanks that do not have liners or are too small for the pump system they are servicing. These wells were installed before there was concern about efficiency and contamination. With a quick visual check and maybe a head pressure check on your pump we could make recommendations that we feel would make your system more efficient and cost effective. We will explain the benefits to you or tell you if your system is sufficient for your needs in today's standards. If you have any doubts about your system, give us a call or fill out the "contact us" section for a visit and consultation.