

Artesian wells draw water from deep fractures down in the bedrock.

Unlike *point wells* which can be installed using light, portable equipment, *artesian (or "bedrock") wells* are installed using large drilling rigs. Once set up, these rigs bore a hole down to the solid bedrock that exists beneath your property. 20' lengths of steel casing and a drive-shoe are installed in the open hole to keep loose soil and rocks from caving in the well. Drilling continues into solid bedrock until enough water is found. If an insufficient flow-rate of water is measured, the well may need to be *hydrofractured*.

Before drilling begins, we'll first want to determine the best location for the well and placement of any other related components...



After the drilling, the pumping system is installed inside the well, and any additional components such as a tank system or sediment filter are also installed. An 18" deep trench may be needed in order to run electricity.

After it's powered up, the completed system can be disguised and any excess drilling debris discarded or used on-site in landscaping.

The *Artesian Well* process (permitting, drilling, pump installation, etc) can take several weeks depending on seasonal weather conditions and other factors.

