BASIC CONSTRUCTION OF A WATER WELL

- **Riser Pipe**
- **Discharge Line**
- **Well Casing**
- **Water Table**
- **Grout**
- **Pump**
- **Screen**
- **Gravel Pack**

**Legend:**
- **SAND AND GRAVEL**
- **BEDROCK**

[Diagram showing the basic construction of a water well, including the riser pipe, discharge line, well casing, water table, grout, pump, screen, and gravel pack.]
BASIC CONSTRUCTION OF A WATER WELL-parts description

**Gravel Pack**- clean sand or gravel placed around the well screen to keep dirt out of the well.

**Screen**- a filter used to keep dirt and sand out of the well.

**Pump**- an electrical or mechanical device that takes water out of the well and delivers it to the house.

**Grout**- a clay or cement mixture that seals the well.

**Water Table**- the top surface of the ground water.

**Well Casing**- a pipe used to keep unwanted materials out of the well.

**Discharge Line**- a small pipe (usually buried) that is used to move water from the pump to the house.

**Riser Pipe**- a piece of the casing that sticks up above that ground that allows the well to be worked on and keeps it more sanitary.