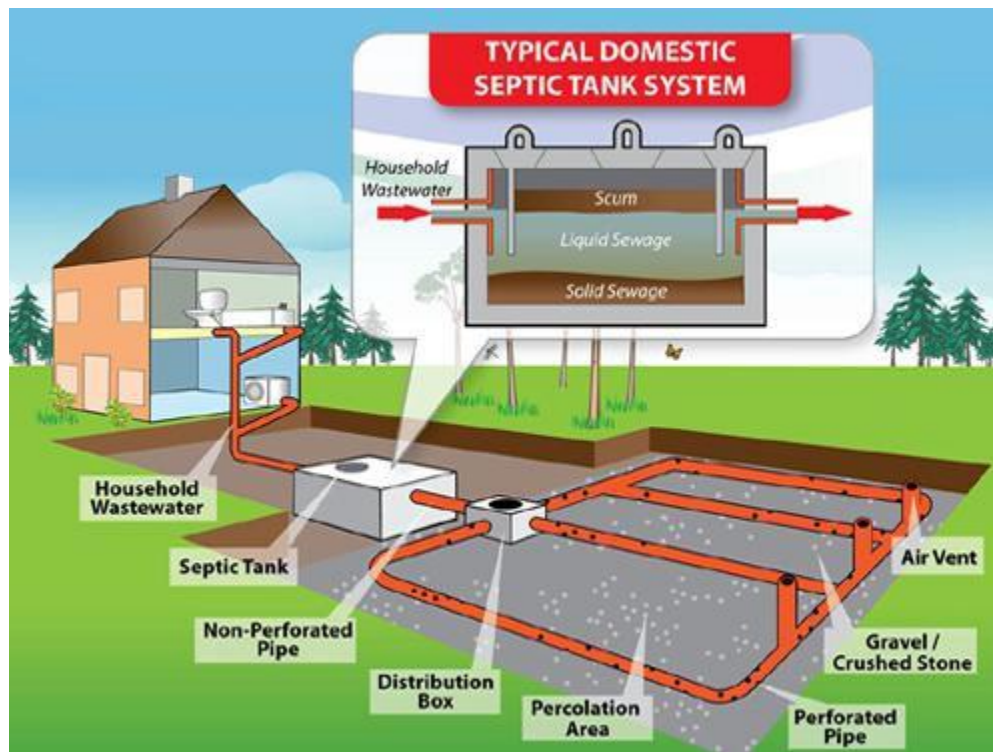


Basics of septic system for homes:

A septic system has a simple design. It is an underground watertight container (mostly rectangular or round) made of fiberglass, plastic or concrete.



The tank is connected with two pipes (for inlet and outlet). The inlet pipe collects the water waste in the septic tank, long enough that the solid and liquid waste is separated from each other. The outlet pipe also called the drain field, moves out the preprocessed wastewater from the septic tank and spreads it evenly in the soil and watercourses.

After a while, the wastewater separates in 3 layers.

The top layer is oils and grease and floats above all the waste. This is called scum.

The middle layer is the wastewater along with waste particles.

The bottom layer consists of heavier particles that are heavier than water and form a layer of sludge.

Inside the tank bacteria from the wastewater breaks down the solid waste. These bacteria decompose the solid waste rapidly allowing the liquids to separate and drain away more easily.