

Septic System Installation

By:

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Septic systems are used primarily in rural areas of the country where waste treatment or a sewer system is not available. There are two types of systems: gravity fed and alternative systems including aerobic treatment units ATU's, which usually include electric pumps.

Septic system installation begins with the correct permits from the Board of Health as well as the local building department. Once all the permits are in place and the septic design is completed by a licensed engineer, it's time for installation. Septic installation, while straightforward, does require careful oversight and planning for long term success. All Clear Septic and Wastewater Services has licensed inspectors and installers to ensure the system is installed correctly, according to the engineer's plans.

All the components of the septic system will be ordered and brought to the site. This includes pipes and leaching field components.

The septic installer will pick up the approved plans and get in touch with NStar to mark any lines through Dig Safe. This includes electrical and water lines. Once all the lines are located, it's time to bring in the tools for excavation. This process could also involve removing any trees which might be necessary for installation.

The septic installer's job is to mark out the system according to the engineer's plans. The areas where the components will be installed are marked out, usually with

spray paint. The next step is to strip the topsoil with an excavator where the tank and leaching field will be placed.

Then the hole for the septic tank is dug to the specifications of the plans. A Transit laser level is used to ensure proper depth is achieved. About 2-3 yards of $\frac{3}{4}$ inch stone is spread in the bottom of the hole evenly. The septic tank is delivered and placed in the hole by the precast company. The distribution box or D-box is also delivered with the tank.

The dirt for the leaching field is now removed to the required depth, and replaced with a foot of sand or whatever is required by the engineering plans. The leaching field and Distribution Box are laid out.

The Board of Health for the town is called to inspect the open hole. If approved, connecting pipes are installed to the house and between components. Once the system is all hooked up, an as-built is called for. This means the engineer visits the site to check all the components are laid out properly and elevation requirements are met.

The town Board of Health is now called for the final inspection. Now another foot of sand is placed on the leaching field and the entire system is backfilled including the tank.

The system is now covered with topsoil or fresh loam and seeded to the required final elevation. If a final grading inspection is required, it will be performed at this time.

All Clear Septic and Wastewater Services is available for septic installations and all your septic needs. We have professionals licensed and trained to ensure a successful septic installation. Call us at 508-763-4431 or visit www.allclearseptic.com

