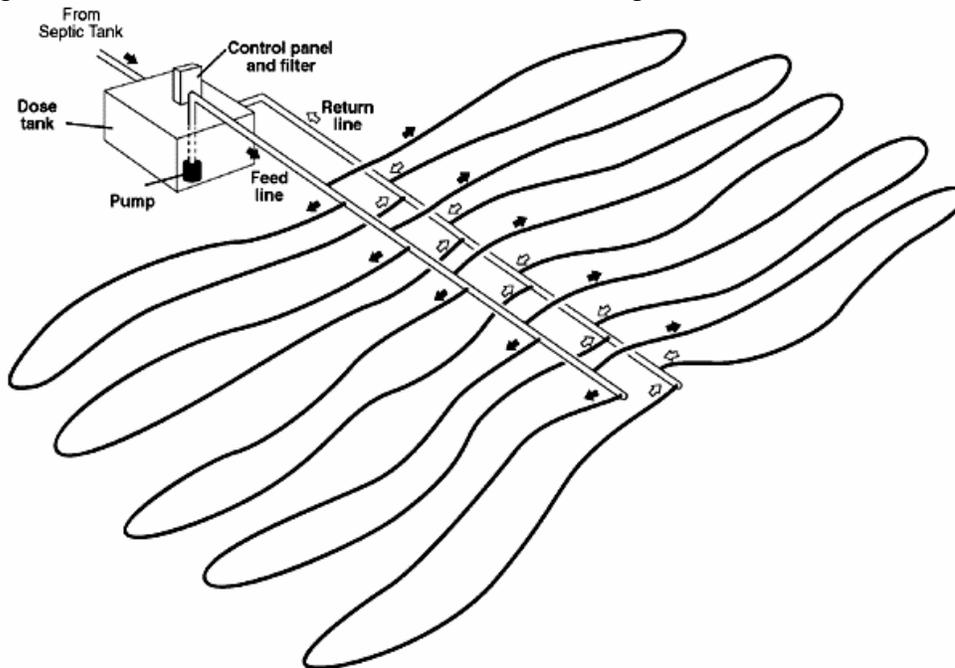


System Type: Drip Distribution Systems

Basic design: Drip Distribution Systems are installed very shallow in the soil, at the surface of the ground or on top of a bed of sand, depending on the specific limiting conditions on the property. These systems are pressurized to ensure even distribution of wastewater into the soil. They utilize small diameter tubing with pressure compensating emitters to apply wastewater uniformly over an infiltration surface. Drip Distribution systems are typically split into at least two zones and works on the principle of timed micro-dosing to maintain aerobic conditions in the soil. Timed micro-dosing applies effluent to the soil at uniform intervals throughout a 24-hour period, which allows for improved wastewater treatment. When properly sited, designed, installed and operated, drip systems can help overcome the typical problems associated with uneven wastewater distribution which often result in the surfacing of wastewater in the distribution field, sewage odors and other nuisance conditions.



Advantages: Treats sewage and distributes the effluent in smaller doses. These systems can be installed on wooded lots and challenging terrains. Due to the micro-timed dosing of this system this would lessen the likelihood of failure and creating a public health nuisance. The ability to split the soil distribution component into two or more zones allows the use of multiple smaller suitable areas on a lot, thus increasing its probability of being a build able lot.

Disadvantages: These systems require an on-going service contract and are one of the more expensive on-site systems

Operation and Maintenance: Regular pumping of the septic tank (every 2-5 years) at a cost of approximately \$50-100 per year. Most systems require inspection at least twice a yr up to four times a year to monitor flow, system performance, perform system flushing depending on the system configuration. Average Maintenance cost of Drip Distribution Service contract is \$350.00 per yr.