CASE STUDY

EZflow Used in System with High Water Table and Limited Space

Goddard, KS

"The EZflow by Infiltrator 0803 was fast and easy to install and enabled us to handle the 450 GPD flow in a very small area." -Chad Mills, HD Mills & Sons

SYSTEM SPECIFICATIONS
450 GPD LPP Wastewater Treatment System

PRODUCTS
EZflow®

INSTALLATION DATE
December 2015

INSTALLER
HD Mills & Sons, Wichita, KS
Clearwater Excavating, Haysville, KS

DESCRIPTION

Faced with a failing residential septic system that was more than 40 years old, limited space, and ground water at only four feet from the surface grade a Goddard, Kansas, homeowner turned to Tim Wagner, Water Quality Specialist, for Sedgewick County, Kansas, for help.

Due to lack of space and contour, and the presence of the shallow water table, the options for system repair solutions were limited. Finding a suitable location for the system was further complicated by sandy soils and the close proximity of the house to a lake. In the past the County recommended drip irrigation systems in cases such as this, but recent gopher damage to the drip lines of those systems catalyzed the County and the homeowner to search for alternatives.

Wagner decided to use the system repair as a demonstration installation for the health department and approximately 15 area contractors who attended to learn about system design, installation, and maintenance of an LPP system using EZflow.

The 450 GPD replacement system includes five lines of EZflow installed on 5-foot centers. Each line is 45-feet long. The LPP lines are installed 8-inches deep to maintain more than two feet of separation from the limiting layer or water table at four feet.

Infiltrator's Rick Kirkpatrick and Curtis Cluckey participated in the installation demonstration with Tim Wagner. Installer Chad Mills, HD Mills & Sons, was contracted by Clearwater Excavating to complete the installation.

Everyone on the project was happy to get a system installed that could handle the needed flow in such a small area. There we no treatment units required and very little backfill needed.

Infiltrator Water Technologies
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