

Well and Onsite Wastewater Facts

WASTEWATER TECHNOLOGY

FSN - 14

Loudoun County Health Department

July 2016

Component Type: Dispersal

Function: A gravelless trench is used in lieu of a gravel trench to distribute wastewater in a drainfield.

Manufacturers:

Ez-Flow & Infiltrator-- Infiltrator Systems Inc.
4 Business Park Road
P.O. Box 768
Old Saybrook, CT 06475

ADS -- Advanced Drainage Systems
4640 Trueman Blvd.
Hillard, OH 43026

First approved in Virginia: 1991

Number installed in Loudoun County: 800

Allowance to Reduce Dispersal field footprint: Yes

Description of Use

Trenches are dug the same as if gravel were to be used. The chambers or pipes are placed in the trench and connected together. A reduction in the length of trench up to 50 percent is allowed by the Virginia Department of Health. The reduction is based upon research which showed that the surface area of the stones restricted flow to the soil which the chambers did not. The chambers or pipe are easier to move across lots where a gravel truck could not possibly go and they are easier to install.

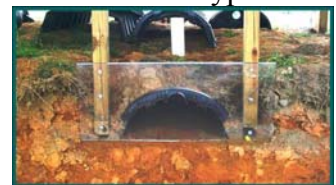
Recommended Maintenance Required

There are no maintenance provisions for the chambers or the pipes. The surface area above the drainfield is to be cared for - restricting auto's and trucks for example.

Gravelless Trenches



Chamber types



Infiltrator



Installed (failing)



EZ Flow



Installed