

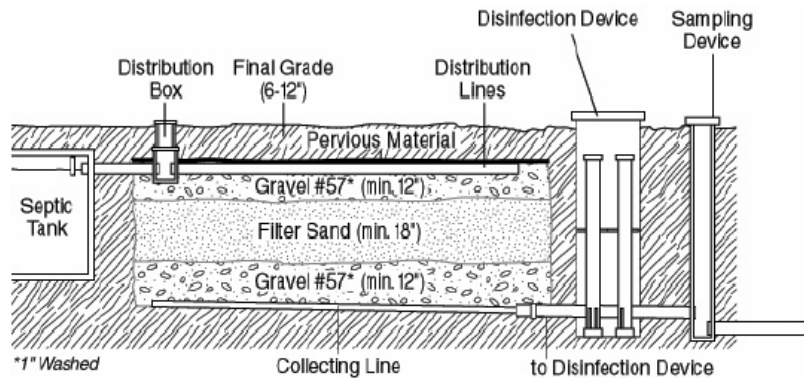
KNOW THE FACTS!

SUBSURFACE SANDFILTER DESIGN GUIDELINES

Install 240 sq.ft. of sandfilter per bedroom. Follow guidelines based on a three bedroom home; 12' by 60'.

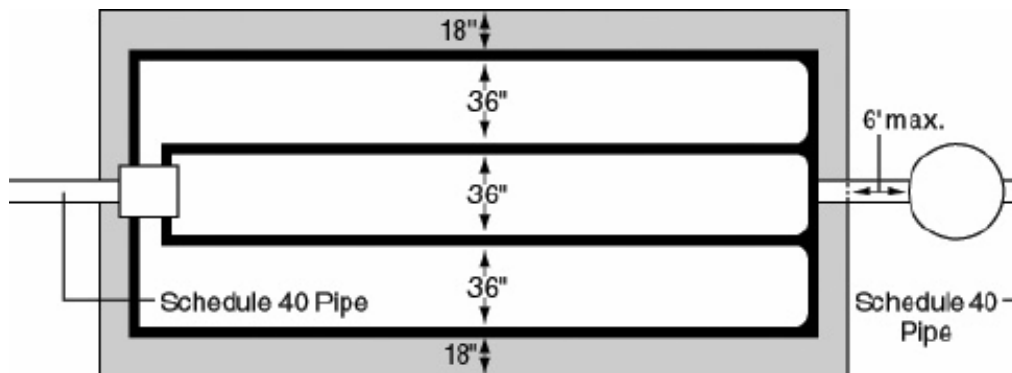
Subsurface Sandfilter Side View Diagram

- collecting line minimum fall 1/4" per foot
- must discharge to a defined drainage way
- distribution lines to be installed level; no more than 2" fall
- distribution and collecting lines must meet or exceed ASTM standards - ASTM, F-2729 (2500 lb. crush)
- filter sand must be from HCGHD approved source



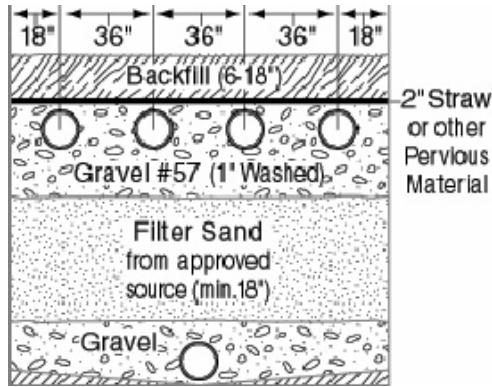
Subsurface Sandfilter Top View Diagram

- distribution lateral from center of pipe: 18" from side wall, 36" between laterals
- system size: 240 sq.ft. per bedroom, if dosing device is used 120 sq.ft. per bedroom
- distribution laterals to be installed level, no more than 2" fall from distribution box to far end of filter
- distribution box to be installed level and extended to grade
- 2" straw or other pervious material to cover sandfilter prior to backfill
- discharge line must have minimum of 6" freeboard at discharge and an animal guard



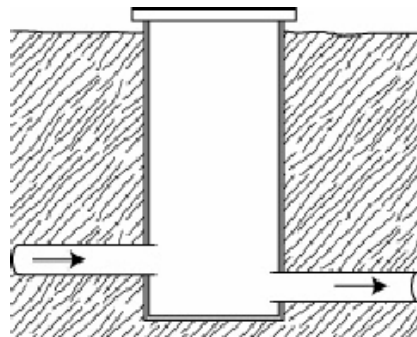
KNOW THE FACTS!
SANDFILTERS (cont.)

Subsurface Sandfilter Cross Section Diagram



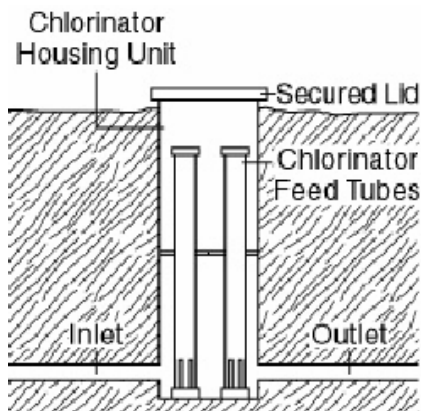
Sample Well

- connections must be water tight
- minimum diameter 10"
- must be designed from sturdy material



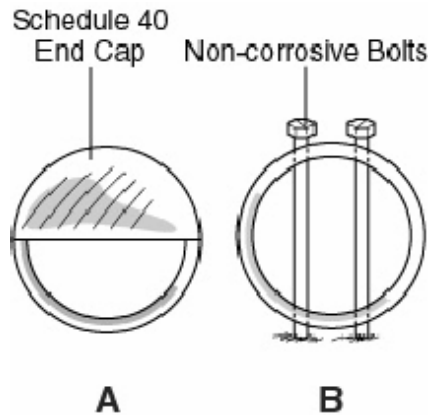
Disinfection Device -Chlorinator Detail

- must be commercially manufactured
- use only chlorine specified for use with septic systems
- connections must be water tight
- homeowner should be given device instruction booklet/manual



Animal Guard

Prevents animals from entering the discharge pipe.



*For more information, contact the
 Water Quality Division at 513.946.7862
 or visit www.hamiltoncountyhealth.org.*



PREVENT. PROMOTE. PROTECT.

250 William Howard Taft Road, 2nd Floor
 Cincinnati, OH 45219
 Phone 513.946.7800 Fax 513.946.7890
hamiltoncountyhealth.org