

# Septic Installation Basics

Please call CCHD at 406-454-6950

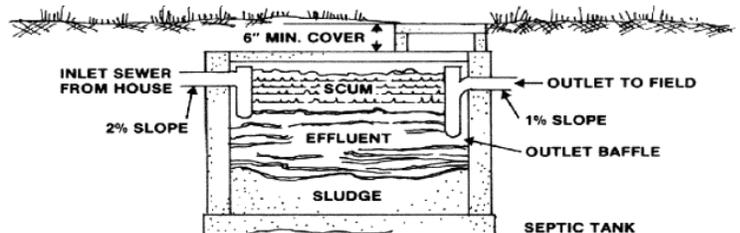
- ◆ With any questions.
- ◆ When starting the system.
- ◆ To schedule an inspection 24 hours prior to completion of the system.

Follow all required setbacks from wells, cisterns, property lines, surface waters, and floodplain

- ◆ Minimum setback from structure to tank is 10 feet
- ◆ Minimum setback from tank to drain field is ten feet

Septic tank must comply with Circular DEQ 4 standards including baffles and effluent filter

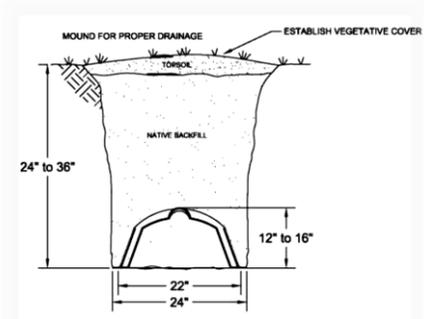
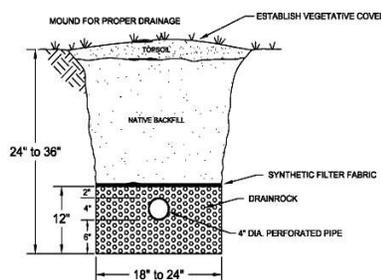
- ◆ Size based on number of bedrooms or commercial use
- ◆ Influent line from house to tank is 4-inch Schedule 40 with minimum 2% slope (1/4" per foot)
- ◆ Effluent line from tank to drainfield is 4-inch Schedule 40 for the first 10 feet
  - 1% minimum slope (1/8" per foot)
  - SDR 35 can be used after the first 10 feet of schedule 40



Drainfield trenches

- ◆ Gravity trenches are two feet wide, equal length and cannot exceed 100 feet in length
- ◆ Must be level with a minimum separation of 7 feet on center between trenches
- ◆ Perforated pipe is used with drain rock (minimum 6 inches below and 2 inches above) then covered with filter fabric before backfilling.

- ◆ If using chambers, see the next page.



## Installing Infiltrator System chambers.

**Please refer to the manufacturer's specific installation instructions for your system.**

1. Ensure level and equal length trenches. If soil is glazed from excavation, roughen bottom of the trenches with a rake.
2. Check the header pipe to be sure it is level or has the prescribed slope.
3. Use one of the **upper** ports on the end cap for the inlet.
4. Place the inlet end of the first chamber over the back edge of the end cap.
5. Lift and place the end of the next chamber onto the previous chamber by holding it at a 90-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chamber. Lower it to the ground to connect the chambers.
6. Swivel the chamber on the pin to the proper direction for the trench layout.  
*Note: The chamber allows 10 degrees of swivel in either direction at each joint.*
7. Where the system design requires straight runs, use the StraightLock™ tabs to ensure straight connections. To activate the tabs, pop the tabs up with your thumb and lock into place.
8. Continue connecting the chambers until the trench is completed.  
*Note: As chambers are installed, verify they are level.*
9. The last chamber in the trench requires an end cap. Lift the end cap at a 45-degree angle and insert the connector hook through the opening on the top of the end cap. Applying firm pressure, lower the end cap to the ground to snap it into place. Do not remove the tear-out seal
10. To ensure structural stability, fill the sidewall area by pulling soil from the sides of the trench with a shovel. Start at the joints where the chambers connect. Continue backfilling the entire sidewall area, making sure the fill covers the louvers.
11. Pack down the fill by walking along the edges of the trench and chambers. This is an important step in assuring structural support.  
*Note: In wet or clay soils, do not walk in the sidewalls.*

