



# SOIL PROFILE PROCEDURES

## When is a soil profile required?

- All New Residences
- Existing Onsite Wastewater system is failing
- If adding bedrooms to an existing house and the onsite wastewater system is older than the current Miami County Sanitary Code, July 2004, a soil profile is required. (*The entire onsite wastewater system must be brought to current code.*)
- If adding bedrooms and the onsite wastewater system is within the current code a soil profile may or may not be required depending on previous soil profile, contour, and site restrictions.

## When is a profile not required?

- Holding tank for an agricultural or accessory building
- Onsite wastewater system for Walnut Creek Sewer, Club Estates Sewer, or Bucyrus Sewer.

## Applying for a Soil Profile

- Soil profile application must be completed and legible, along with \$350.00 fee.
- Provide a copy of the deed to the property, and a copy of any surveys or plats.
- Provide site plan showing property boundaries, easements and setbacks.
- Provide completed Zoning Verification report from Planning/Zoning **IF** a Zoning Verification option was requested.
- Per Miami County Planning Department, Zoning Verifications are no longer required. All risk and liability is assumed by the applicant for lot/tract legality and buildability, property boundaries, setbacks, easements, and site information accuracy.
- **Option:** Planning Department to perform Zoning Verification. Provide Zoning Verification application to Planning Department with verification fee, a copy of the deed and surveys or plats. **FEE: \$50.00**

## Scheduling the Soil Profile

- Owner/applicant will contact their digger and have them call Kansas One Call. (*Operator of backhoe needs to call so that they are covered.*) Kansas One Call phone number is 1-800-344-7233. Utility locations are valid for fifteen days. Liability is not transferable.
- Call Miami County Environmental Health at (913) 294-4117 with the Kansas One Call confirmation number to schedule Soil Profile.

## Performing the soil profile

- Property Owner/Applicant, backhoe operator and inspector will meet onsite to perform a site evaluation to locate the best area for the soil absorption system. To help make this process easier, the owner/applicant needs to be flexible on location of the house, barn, pool, etc.
- Equipment needed for the Soil Profile will be a Back hoe or a Mini Excavator with a 3 foot bucket or larger.
- Miami County Sanitary Code requires 2-4 foot of vertical separation between the restrictive layer and the lowest elevation of the soil absorption component of the system. A restrictive layer can be clay, rock, shale, sandstone, etc.
- Once location is narrowed down, a number of profile pits will be excavated. (*Please make sure you have exhausted all possible areas, as if another profile is requested another fee will be assessed.*)
- All profile pits must be excavated 4-5 foot deep with steps or ramp for easy access into each profile pit. Soil samples will be collected and the soil load rate will be determined for each soil horizon.
- Depending on soil conditions and type of onsite wastewater system, a profile zone will be established. The profile zone is usually 3 profile pits in a triangle pattern. Soil samples will be taken from this profile zone. It is very important to rope off and protect this area during construction of the home.
- The proposed onsite wastewater system **must** be installed in the profile zone and any location change of the proposed onsite wastewater system will result in another soil profile and fee.
- A letter will be sent to the applicant 3-5 days after the soil profile.
- The Soil profile is valid for 5 years, provided the soil for the onsite wastewater system is not disturbed.