1/14 Lot# 4

November 29, 2020

Dave Liskany (Countrytyme Land Specialist, Ltd) 3451 Cincinnati-Zanesville Rd, SW Lancaster, OH 43130

Dear Mr. Liskany:

We would like to thank you for requesting our assistance to identify the specific soil properties on your property (**Track #4 Union Pastures**), Chillicothe, in Ross County, Ohio.

Enclosed are the following:

- 1. Location map
- 2. Aerial Photo Sketch Map of Site
- 3. Soil Site Descriptions for the different Soil Areas
- Soil and Site Evaluation and discussion, for the proposed waste water disposal

The information in this report is basic soils information as found on-site. This does not mean that this site is suitable for an STS, that is up to the Ross County Health Department. If I can be of further assistance, in helping to interpret, clarify or add additional information from my notes, please let me know at 304-372-4809 home or 304-532-4711 cell.

Thanks,

Carlos Cole Soil Scientist

Cc: Logan Calhoun, R. S., Director of Environmental Health

Soil and Site Evaluation Discussion

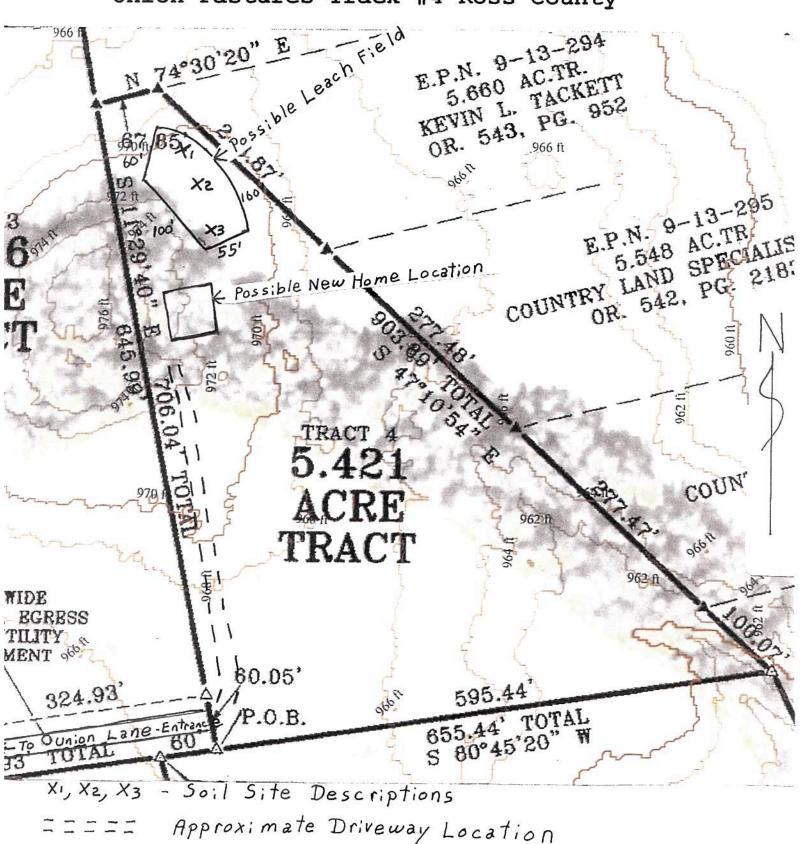
This soil evaluation is for a new STS (sewage treatment system) for a new 3 bedroom home (example that may change) on your property. We mainly evaluated the higher portion of the property near the north end of the property, next to Track #3 in the cropfield for an STS. These soils have developed in glacial till parent material on a knoll type landscape. The higher area of this property on the more sloping area is better drained, with relatively loamy soils. We flagged the proposed leach field area and dug our test pits, basically on a line across the proposed leach field from slightly lower to higher elevation. The outer edge of the proposed leach field is the better drained and more loamy and should be considered the primary part of the leach field.

This proposed filter field area is large and can serve as both the primary and secondary filter field areas. We did not see much of a pattern when comparing the soil site descriptions, however the proposed leach field area is located on the higher part of the landscape where the soils are the driest on the outer edge toward the east. We did not find any bedrock at any of the soil site description locations nor did we find any restrictive layers. The soil layer we marked as Fr-Fi (friable to firm) was friable but firm in place but had a moderate soil structure (the firmness was a result of packed gravel and dry soil). The soil structure was relatively good in these soils. I would locate the primary part of the leach field on the outer edge toward the east and the secondary toward the west or remaining area, however the soils are all similar. The depth to a seasonal high water table variers from a shallower depth of 22 inches (#3 soil) to 29 to 30 inches (#1 soil). These soils are loamy and will allow for water flow throughout the soil profile as shown by the soil site descriptions.

We have shown the location of the proposed STS leach field on the sketch map. We have located a possible new home location. We have marked the proposed filter field area with pink wire flags and white or pink ribbon on the taller vegetation on the boundary corners. The soil description sites are marked with orange wire flags and the number of the description is marked on the flag. The approximate dominion, of the proposed filter field area, is marked on the sketch map. The proposed filter field area is just an indication of the area that can be used, the installer or the health department will determine where the filter lines will be located. The filter field lines would need to be located level on the contour around the slight to gentle slope. These soil descriptions were taken at random to show the soil properties at different areas within the proposed filter field area and the sketch map is not to scale. We gave a house site location (example that may change with new owner) on the sketch map to give you a possible reference point, for this report. A septic tank leach field will probably work at this location but the leach lines will need to be located close to the soil surface.

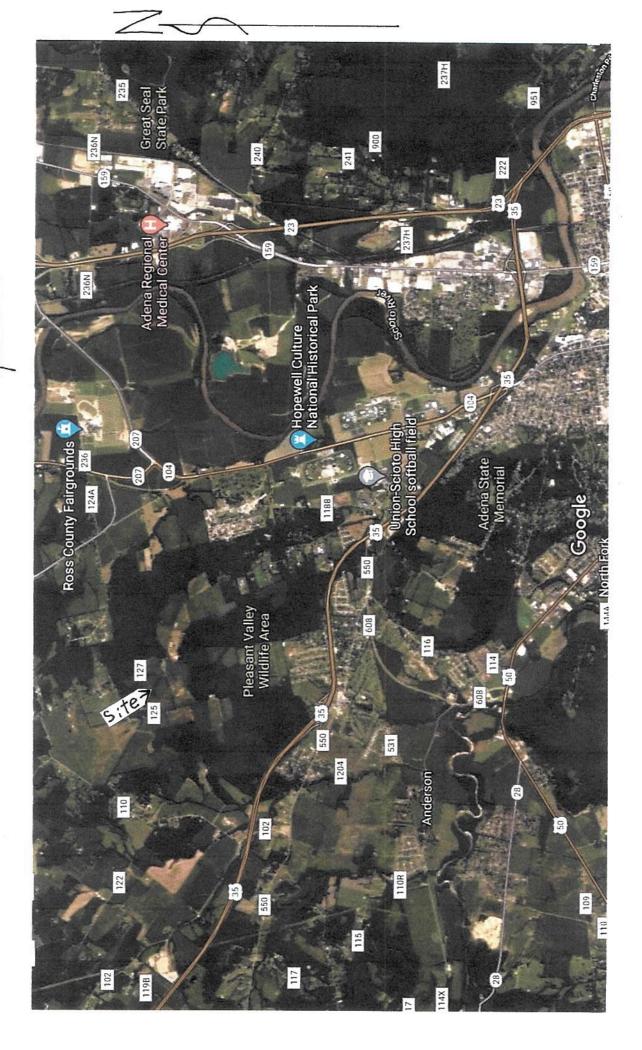
Sketch Map for Countrytyme Property

Union Pastures-Track #4 Ross County



These are all Approximate Locations (not to Scale)

Location Map



(2) we used the 12-24" Depth For H. Linear Loading Kate

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