December 31, 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 # 3, Pleasant Valley Woods - Union Road**), 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
- 4. 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

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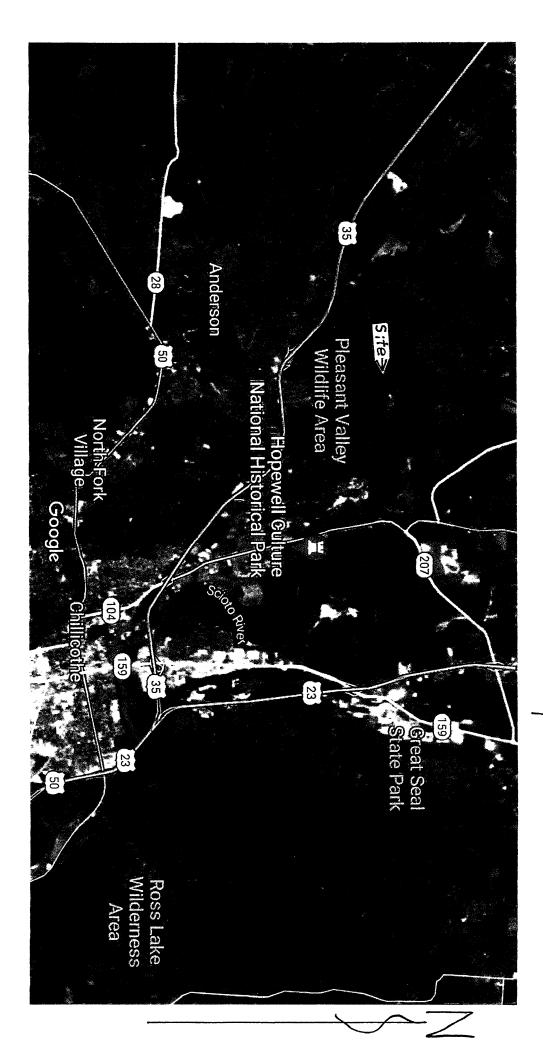
Cc: Logan Calhoun, R. S., Director of Environmental Health

Soil and Site Evaluation Discussion

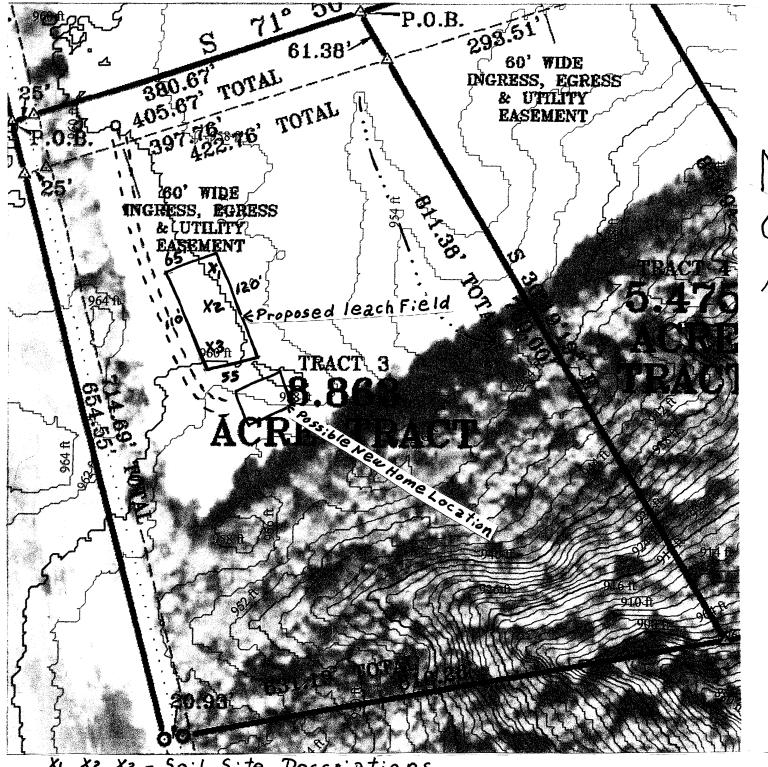
This soil evaluation is for a new STS (sewage treatment system) for a new home (location may change, but make sure waste water can gravity flow to leach field) on your property. We used a soils probe and examined the soils as best as possible to the find the depth to seasonal high water table, soil textures, percent clay and any compacted or dense layers that would impact the ability of a leach field to work properly. We located this proposed leach field on the most sloping area of this property on the outer edge of a slight knoll or mound landform. The soils in the proposed leach field area have a wind blown loess cap on the lower side of the proposed leach field (soil site descriptions #1 & #2). The #3 soil site description parent material is glacial till with no loess cap. The silt cap or loess deposit appears to be on the north and eastern part of the proposed leach field with under lying glacial till developed soils.

We do not know just how these soil deposits originated in the location on the landscape originally, but we are just describing the soils as they are today. The more silty (loess cap deposits) soils are younger and have fewer limitations, comparingly to the glacial till developed soils. The depth to a seasonal high water table in the #1 soil is 23 inches, #2 soil is 26 inches and the glacial till soil (#3 soil) is 19-20 inches. We did not find any totally restricting layers, like heavy clay or hard pans but all of these soils have some restrictions that limit downward water movement at an approximate depth of 30 to 40 inches. These soils do not have any bedrock to a depth of 60 inches or more. These silty soils (#1 & #2 soils) are susceptible to erosion, if disturbed with no mulch or vegetative cover. The lower part of this leach field seems to be a little better for use as an STS leach field area, however water flows down hill so wherever you locate the filter lines may work the same. This proposed filter field area is large and can serve as both the primary and secondary leach field areas.

We have shown the location of the proposed STS leach field on the sketch map. We have marked the proposed filter field area with pink wire flags along the boundary and/or 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 leach 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 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. The proposed leach field can be extended around the slope, if needed. 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.



Sketch Map for Countrytyme Property Pleasant Valley Woods-Track #3 Ross County



X1, X2, X3 - Soil Site Descriptions

:=== Approximate Driveway Location

Swale in Landscape for Surface Water Drainage

These are all Approximate Locations (not to scale)

2) we used the 12-24" Depth For H. Linear Loading Rate Used 5-9 % s lope site and soil Evaluation for Sewage Treatment and Dispersal

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2) we used the 12-24" Depth For H. Linear Loading Rate USEC 5-9 % S OPE Site and Soil Evaluation for Sewage Treatment and Dispersal

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