
October 21, 2021

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 #1 – Phase 4**), 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

Cc: Kelly Spindler, R. S., Director of Environmental Health

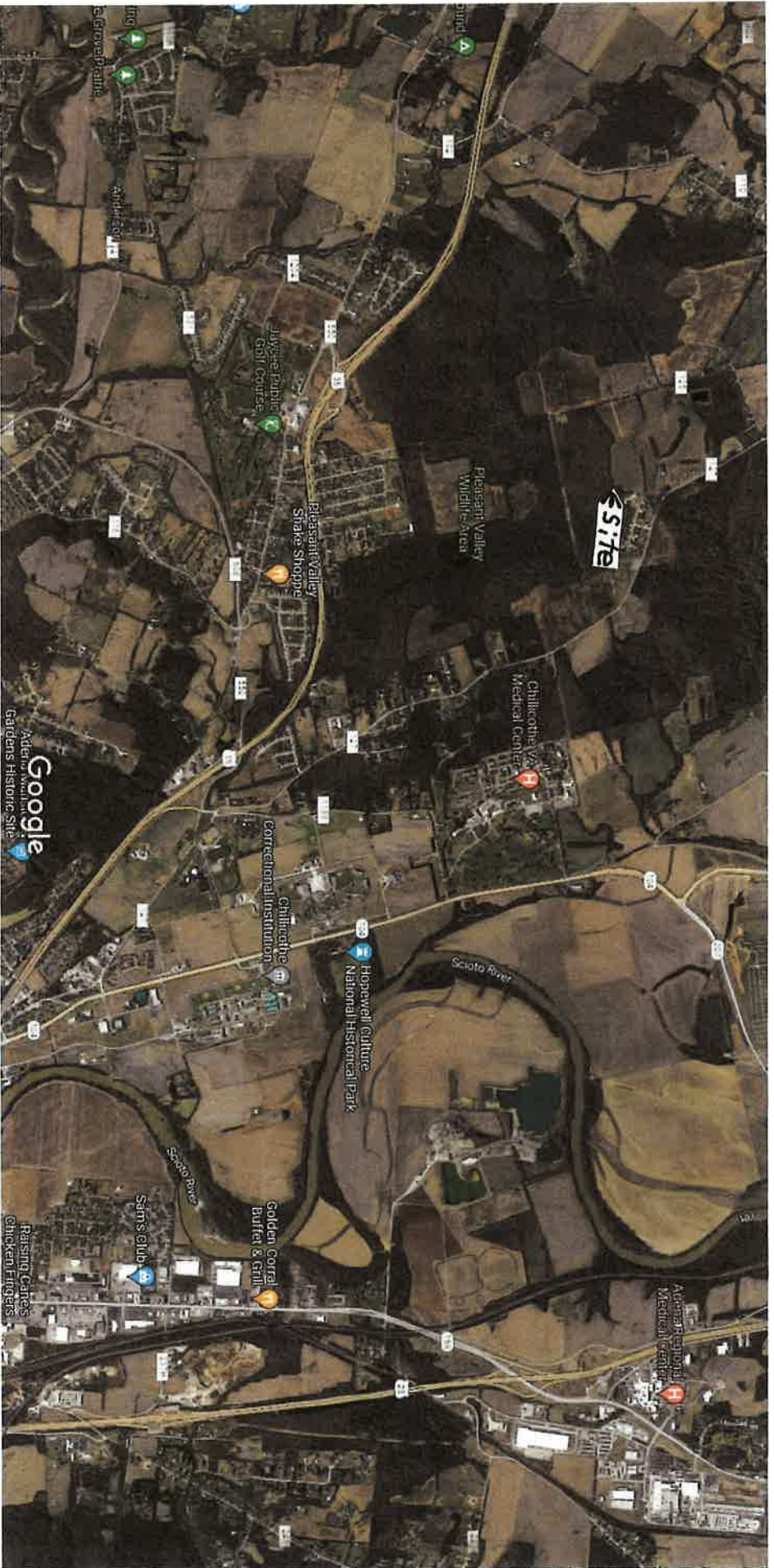
Soil and Site Evaluation Discussion

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 evaluated this property by looking at the soils and their physical soil properties and the better area we could locate for a new STS -sewage treatment system was in the steeper wooded area south of the open crop land. The soils in this portion of the property have developed from residual bedrock or the colluvium and over-wash deposits from upslope. **We did not find a seasonal high water table in these soils.** The soils parent material is mostly over-wash from erosion deposition of the soils from upslope and some colluvial deposits from upslope. The hillside intermittent drain channel on the southwest side of the proposed leach field gave us a good picture of the rock fragments and composition of the soil. **We did not find any bedrock in these soils** but the auger was stopped at depths of 39 to 40 inches (#1 soil) and 36 inches (#2 soil) by larger rock fragments or high percentage of fragments.

The soils in the proposed leach field (both primary and secondary leach field areas) are very similar with the same and/or very similar soil properties. The slope of the proposed leach field is a little more gentle on the lower side of the proposed leach field area and is probably the better area for the leach field. The main limitations for a leach field at this proposed area are the thick brush (understory vegetation), slope, and access to the site. These soils seem to be very consistent to 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, however the new home can be located at any location upslope of the proposed leach field area to get gravity flow of the waste water to the leach field. We have marked the proposed leach field area with pink wire flags on the boundary corners and pink ribbon around the leach field (this proposed leach field boundary maybe marked somewhat irregular, because of the thick vegetation). The soil site 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 leach 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 leach lines will 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 leach 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.

Location Map



NS

Sketch Map for Countrytyme Property

Phase 4, Track #1 - Ross County

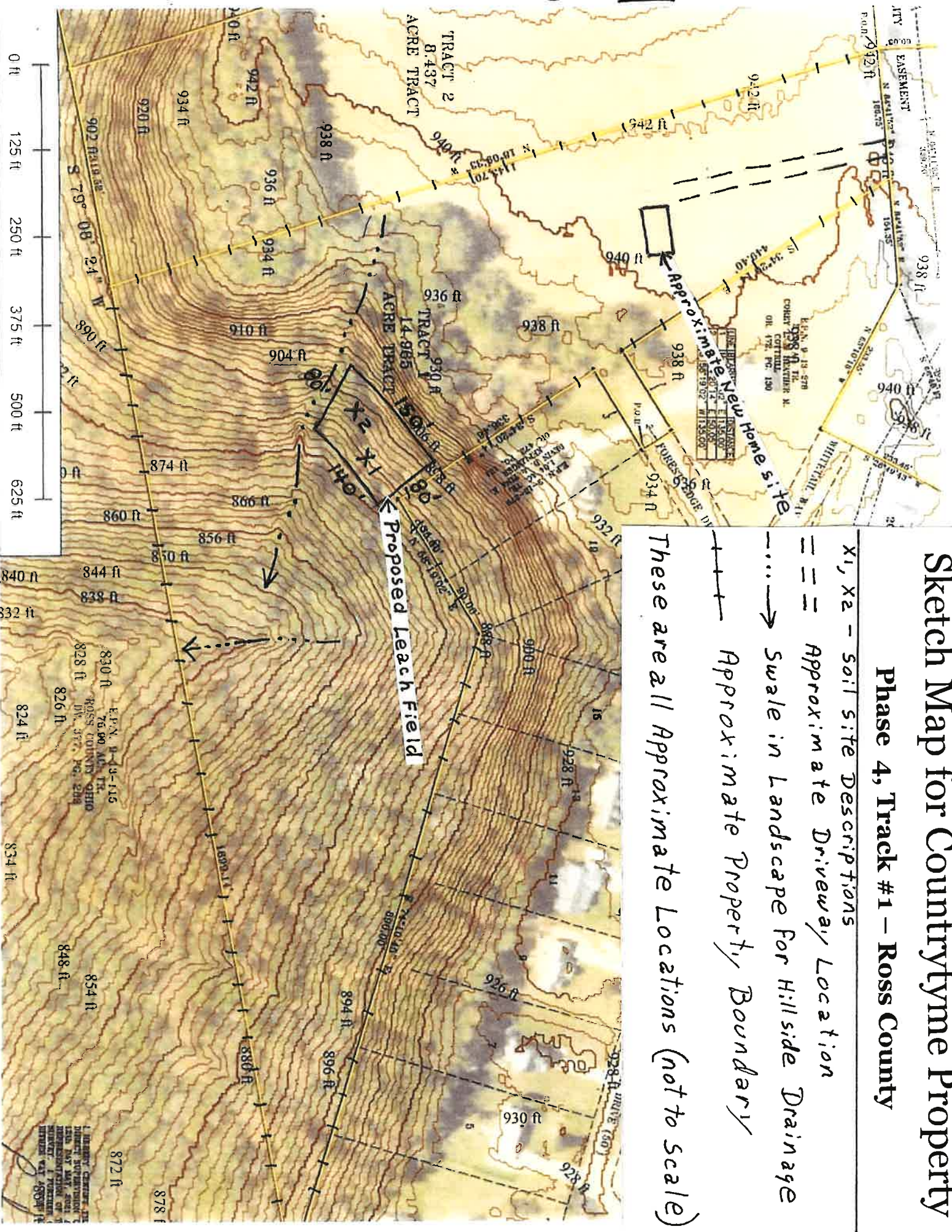
X1, X2 - Soil Site Descriptions

=== Approximate Driveway Location

---> Swale in Landscape for Hillside Drainage

--- Approximate Property Boundary

These are all Approximate Locations (not to scale)



② we used the 12-24 Depth For H. Linear Loading Rate used > 10 % slope site and Soil Evaluation for Sewage Treatment and Dispersal

County: Ross Land Use/Vegetation: Small woody Vegetation (Thick) Few larger Trees
 Township/Sec: Union Pike Landform: upland
 Property Address/Location: Egypt Pike Position on Landform: side - some Alluvial Fan overwash
 Applicant Name: Country Time Realty Parcel No: 45601
 Address: Att: Dave Liskany - Land Specialist SW Percent Slope: 15-20%
3451 Cincinnati - Zanesville Rd., Dale Shape of Slope: convex
 Phone #: 614-429-8152 Evaluator: Carlos Cole
 Lot #: Phase 4 Tract # 1
 Test Hole #: 1 Certification Stamp or Certification #: 24835
 Latitude/Longitude: N39° 23.634', W83° 02.709' Phone #: 304-372-4809 Home
 Method: Probe Auger Well Other Signature: Carlos Cole
Dug to 30" + Augered Remainder Phone #: 304-532-4711 cell

Soil Profile	Depth (inches)	Matrix Color	Bedding Soil Saturation		Class	Texture			Structure			Infiltration Loading Rate gal./day/ft ²	Hydraulic Linear Loading Rate
			Munsell Color (hue, value, chroma)	Radonchromic Features		Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence		
AP1	0-7	10YR 3/3	-	-	L/S:L	15-18	2-5 ⁺⁺	2-1	FtM	Gr	VFr	.6	4.4
AP2	7-13	10YR 4/3	+4/4	-	S:L/L	14-17	2-5 ⁺⁺	2-1	M	Gr ⁺ Sb ^h	Fr	.6	3.8
AP3	13-19	10YR 3/2	+3/3	-	S:L	15-19	5-10 ⁺⁺	2-1	M	Gr ⁺ Sb ^h	Fr	.6	3.8
Bw	19-26	10YR 3/3	+3/4	-	S:L	23-27	20-30 ⁺⁺	2-1	F	Sb ^h	Fr	.6	3.8
BC	26-39	10YR 4/4	+5/4	-	S:L	22-25	30-40 ⁺⁺	1	F	Sb ^h	Fr	.4	3.5
C	39-40	Auger	stopped	by limestone									

Land Use/Vegetation: Small woody Vegetation (Thick) Few larger Trees
 Landform: upland
 Position on Landform: side - some Alluvial Fan overwash
 Parcel No: 45601
 Percent Slope: 15-20%
 Shape of Slope: convex
 Evaluator: Carlos Cole
 Certification Stamp or Certification #: 24835
 Signature: Carlos Cole
 Phone #: 304-372-4809 Home
 Phone #: 304-532-4711 cell

xx gravel + chert + limestone + limestone xxx limestone
 Fragments
 Note: The evaluation should include a complete site plan or site drawing.
 ODH - Dec 2005 - Revised Sept 2007

② we used the 12-24" Depth For H. Linear Loading Rate used > 10 % slope site and Soil Evaluation for Sewage Treatment and Dispersal

County: Ross

Township / Sec. 1: Union Pike

Property Address/Location: Egypt Pike

Applicant Name: Countrytyme Realty

Address: Att: Duane Liskany - Land Specialist SW 3451 Cincinnati - Zanesville Rd., SW

Phone #: 614-429-8152

Lot #: Phase 4 Tract #1

Test Hole #: #2

Latitude/Longitude: N39° 23.630', W82° 02.719'

Method: Pit Auger Probe

Land Use/Vegetation: Small woody Vegetation (thick) Few larger Trees

Landform: upland

Position on Landform: side - some Alluvial Fan overwash

Percent Slope: 20%

Shape of Slope: convex

Evaluator: 10-11-21

Signature: Carlos Cole

Phone #: 304-372-4809 Home

Signature Stamp or Certification #: 24835

Signature: Carlos Cole

Phone #: 304-532-4711 cell

Method: Dug to 30" + Augered Remainder

Soil Profile	Depth (inches)	Matrix Color	Estimating Soil Saturation		Class	Texture		Grade	Structure		Consistence	Infiltration Loading Other Soil Features	Hydraulic Linear Loading Rate
			Manual Color (hue, value, chroma)	Reduction/Other Features		Approx. % Clay	Approx. % Fragments		Size	Type (shape)			
Ap1	0-7	10YR 3/2 + 2/2	-	-	L/S:L	13-15	2-5+	2	F	GR	VFr	.6	4.4
Ap2	7-14	10YR 3/3 + 3/2	-	-	S:L/L	14-16	10-20+	2	Fm	Grtsh	Fr	.6	3.8
AB	14-19	10YR 3/3 + 4/3	-	-	S:L	18-21	15-20+	2	Fm	sbh	Fr	.6	3.8
Bw1	19-28	7.5YR 4/4	-	-	S:L	23-26	20+	2-1	Fm	sbh	Fr	.6	3.8
BC	28-36	7.5YR 4/4	-	-	S:L	21-25	20-30+	1	F	sbh	Fr	.4	3.5
C	36+	Auger stopped			(not bedrock)								

Land Use/Vegetation: Small woody Vegetation (thick) Few larger Trees

Landform: upland

Position on Landform: side - some Alluvial Fan overwash

Percent Slope: 20%

Shape of Slope: convex

Evaluator: 10-11-21

Signature: Carlos Cole

Phone #: 304-372-4809 Home

Signature Stamp or Certification #: 24835

Signature: Carlos Cole

Phone #: 304-532-4711 cell

Method: Dug to 30" + Augered Remainder

Note: The evaluation should include a complete site plan or site drawing.

+ gravel xx larger gravels + limestone + chert fragments

Auger stopped by increased rock fragments + maybe larger