

November 18, 2021

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

Dear Mr. Liskany:

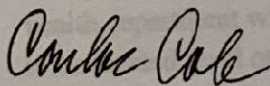
We would like to thank you for requesting our assistance to identify the specific soil properties on your property (**Track #4- Phase 4**), Chillicothe, in Ross County, Ohio.

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

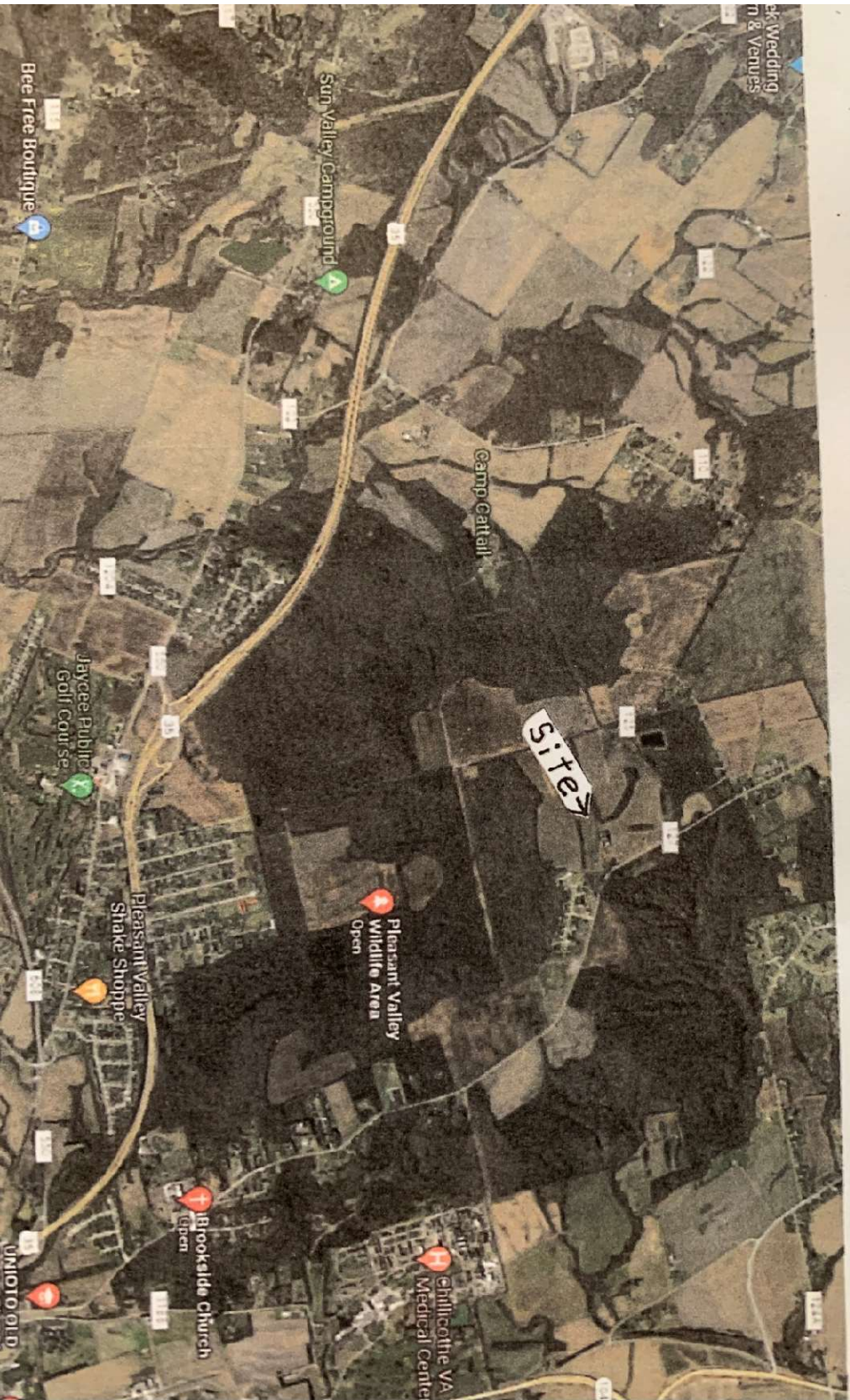
Soil and Site Evaluation Discussion

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 used a soils probed and looked at these soils on the property mostly to a depth of 30 inches to find the better area for a leach field and the northern portion of the property on the higher elevation was the better area for a leach field. We separated the proposed leach field into a primary and secondary leach field areas with the northern portion of the property being the primary leach field area, where the soils are a little deeper to a seasonal high water table. The parent material of these soils is mostly glacial till with a thin silt cap 8 to 15 inches thick) in the #1 soils and the silt cap is missing in the #2 soil. At a depth of 38 inches in the #1 soil the soil parent material changes to weathered residual siltstone and #2 soil the residual weathered siltstone soil horizon starts at a depth of 39 inches,

The upper part (starts approximately 10 feet south of the property boundary) or primary leach field (#1 soil) is the better area for a leach field, where the soil is deeper to a seasonal water table (15 inch depth). These soils both #1 & #2 soils do have a slight increase in clay percentage at a depth of 15 inches but the percent clay decreases again at a depth of 34 inches. The #1 soils are loamy and do not have any restricting layers and bedrock is at depths of 50 inches or deeper. The secondary leach field area is very similar to the #1 soil but a little shallower to a seasonal high water table at a depth of 12 inches (#2 soil). The depth to bedrock in these soils will be greater than 60 inches. The depth to the residual weathered siltstone soil will be approximately 38 inches. The depth to a seasonal high water table will range from a depth of 12 inches (#2 soil) to a depth of 15 inches (#1 soil).

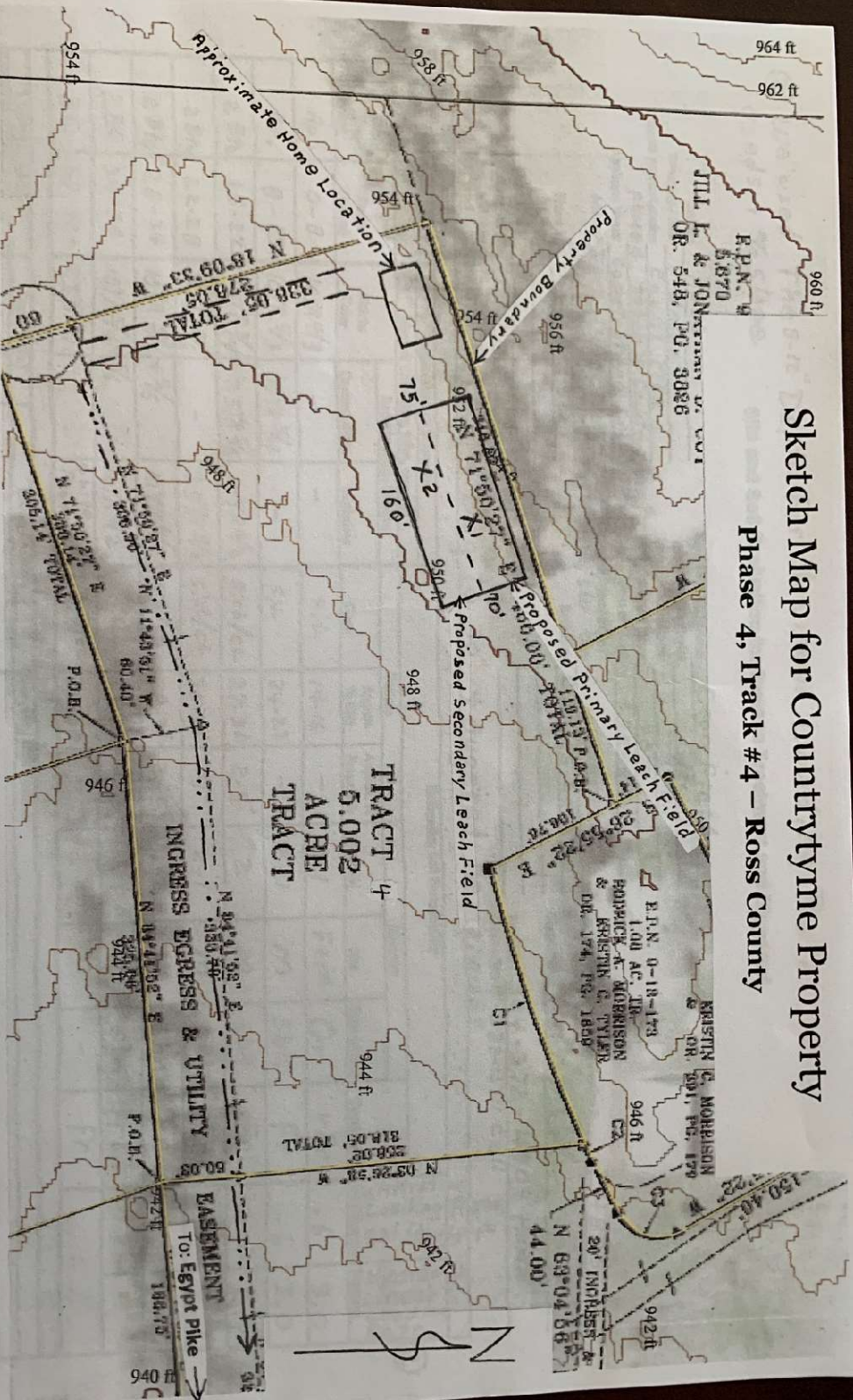
We have shown the location of the proposed STS leach field on the sketch map. We have located a possible new home location. We have marked the proposed leach field area with pink wire flags along the boundary and on the boundary corners. The soil description sites are marked with orange wire flags and the number of the description is marked on the flag. The approximate dominion, of the proposed 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



Sketch Map for Countrytyme Property

Phase 4, Track #4 - Ross County



X1, X2 - Soil Site Descriptions

- Drainage Ditch along Ingress-Egress, Entrance Road
- ==== Home Driveway "Approximate Location"

These are all Approximate Locations (not to scale)

② we used the 8-12" Depth For H. Linear Loading Rate
used 5-9 % slope Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Ross Land Use/Vegetation: Crop Field
 Township/Sec.: Union Pike Landform: Glacial Till
 Property Address/Location: Phase 4, Track 4 Country Lane Property Position on Landform: Till Plain
 Applicant Name: Country Lane Realty Percent Slope: 5%
 Address: Country Lane Realty, Land Special Shape of Slope: Convex
 Phone #: 614-429-8152 Date: 11-3-21
 Lot #: 1 Evaluation: Carlos Cole
 Test Hole #: 1 Certification Stamp or Certification #: 24835
 Latitude/Longitude: N 39° 23.7' 0", W 83° 02' 94.1" Phone #: 304-372-4809 Home
 Method: ✓ pit ✓ Auger Probe Dug to 30" + Augered Remainder Phone #: 304-532-4711 Cell
 Signature: Carlos Cole

Soil Profile		Estimating Soil Saturation				Estimating Soil Permeability								
	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Redoximorphic Features	Texture		Structure			Consistencies	Infiltration Loading Rate gal./day/ft ²	Hydraulic Linear Loading Rate	
			Concentrations	Depletions		Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)				
Horizon														
Ap	0-8	10YR 4/3	-	-		s.l.	14-16	-	2-1	F+m	Gr	vFr	.6	3.0
B ₁	8-15	10YR 5/3	10YR 5/4	-		s.l.	24-27	-	2-1	M	sbh	Fr	.6	3.0
B ₂	15-22	10YR 5/4	7.5YR 5/6	10YR 6/2		sic/cl	27-30	2-5 ⁺	2	M	sbh	Fr	.4	2.7
2B ₂	22-28	7.5YR 5/6	-	7.5YR 5/2		sic/cl	30-34	5 ⁺	2-1	M	sbh	Fr	.4	2.7
2B ₄	28-34	10YR 5/4 + 5/6	10YR 6/2	CL/sic		28-31	2-5 ⁺	1-2	1	M	sbh	Fr	.2	2.2
2B _C	34-38	10YR 5/4 + 5/6	10YR 6/2	L		25-28	2 ⁺	1	1	M	sbh	Fr		
3C	38-50+	7.5YR 3/1		white powder		s.l./sic	24-30	-	-	-	-	Fr		
Limiting Conditions														
Periodic Seasonal Water Table		Depth to (in.)		Descriptive Notes		Remarks / Risk Factors								
Apparent Water Table		15												
Highly Permeable Material		-												
Bedrock		none		to 50"										
Restrictive Layer		A little		firmer at 22 to 28"		but		still friable						

Note: This evaluation should include a complete site plan or site drawing.
 x Gravel mostly small
 3C horizon start of Residual siltstone Parent Material starts at 38 inch Depth

② We used the 8-12" Depth For H. Linear Loading Rate
Used 5-9 % slope Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Ross Land Use / Vegetation: Crop Field
 Township / Sec.: Union Location: Glacial Till
 Property Address/Location: Phase 4 Tract 4 Countrytime Property
 Applicant Name: Countrytime Realty Shape of Slope: Convex
 Address: Dave Liskany, Countrytime Land Specialt
 Phone #: 345 Cincinnati - 23rd Ave Rd, SW Date: 11-3-21
 Lot #: 614-429-8152 Evaluator: Carlos Cole
 #2 Test Hole #: 2 Certification Stamp or Certification #: 24835
 Latitude/Longitude: N39°23.783' W83°02.951' Phone: 304-372-4809 Home
 Method: ✓ Pli ✓ Auger ✓ Probe ✓ Dug to 30" + Augered Remainder
 Signature: Carlos Cole

Soil Profile		Estimating Soil Saturation		Estimating Soil Permeability					Infiltration	
Horizon	Depth (Inches)	Matrix Color	Redox/Microbial Features	Class	Texture	Structure	Consistency	Other Soil Features	Rate	Rate
Ap	0-5	10YR 4/3	-	L	14-16 0-2	2-1	Fm	Gr	✓ Fr	.6
2 BA	5-12	10YR 5/4	10YR 5/4	L	20-24 1-2%	2	M	5bH	Fr	.6
2 Bt1	12-19	10YR 5/6	10YR 5/4	CL	29-32 2%	2-1	M+C	5bH	Fr	.4
2 Bt2	19-25	10YR 5/6	-	CL	26-30 2%	2-1	M	5bH	Fr	.4
2 Bt3	25-34	10YR 5/6	+ 5/4	L/CL	25-28 2%	1-2	M	5bH	Fr	.4
2 BC	34-39	10YR 5/6	10YR 5/4	L	23-26 1-2%	1	M	5bH	Fr	.4
3 C1	39-52	10YR 4/1	10YR 5/4 + 5/6	silt/sil	26-32	-	-	-	Fr	.4
3 C2	52-60+	Mixed 10YR 4/1, 10YR 5/4	5/6	silt/L	24-30	5+*	-	-	Fr	.4
Limiting Conditions		Depth to (in.)	Descriptive Notes	Remarks / Risk Factors:						
Perched Seasonal Water Table		12								
Apparent Water Table		-								
Highly Permeable Material		-								
Bedrock		None to 60"								
Restrictive Layer		None to 60"								

Note: The evaluation should include a complete site plan or site drawing.
 * Black Mn coats (concretions) xx Siltstone Fragments
 Horizontal
 3C Residual weathered siltstone Parent material
 starts at 39" Depth
 CCH - One208 - Revised Sept 2007