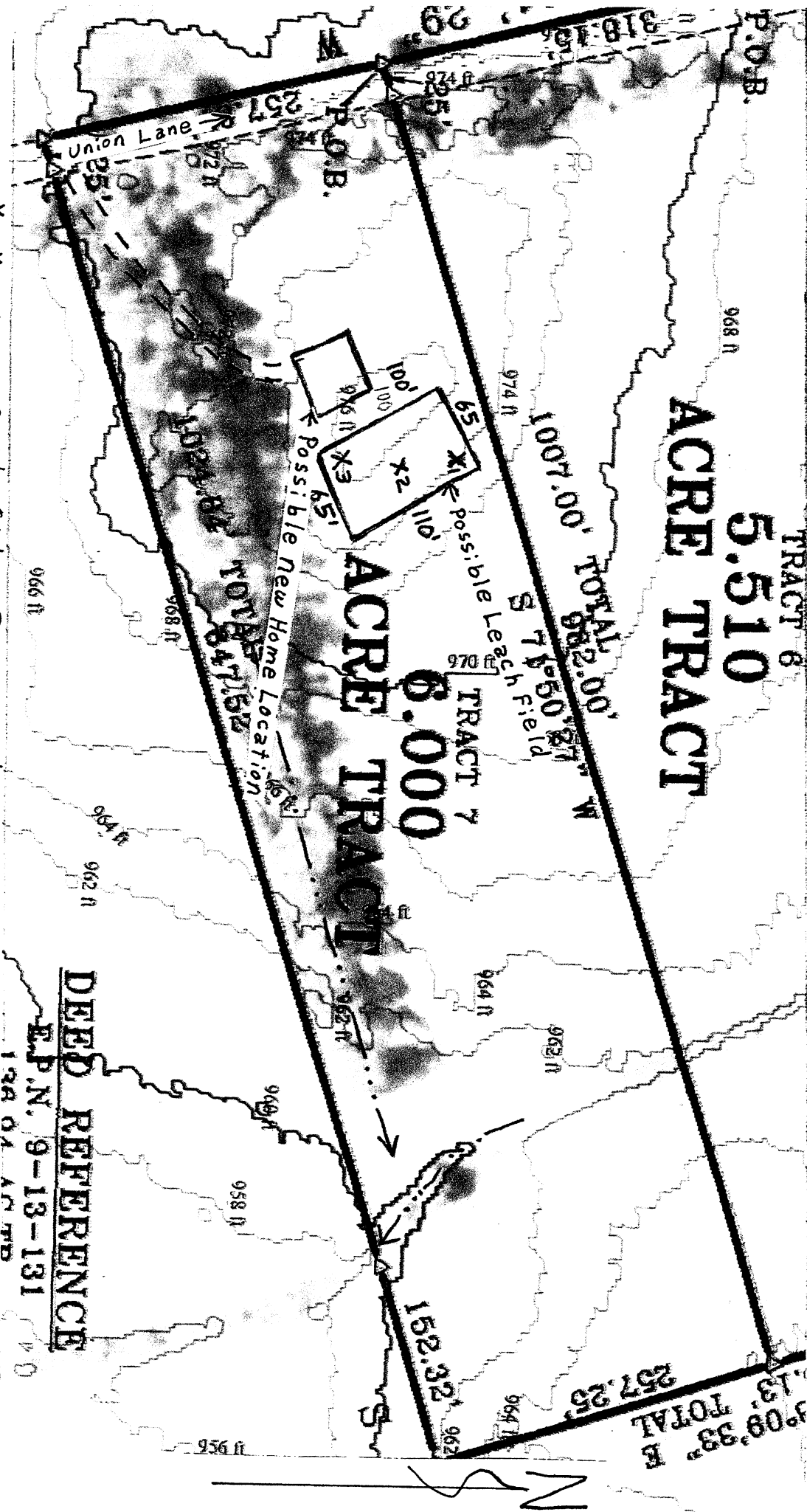


Sketch Map for Countrytyme Property

Union Pastures-Track #7 Ross County



X1, X2, X3 - Soil Site Descriptions

=== Possible Driveway Location

→ Slight swale in Landscape for surface water flow + Direction

These are all Approximate Locations (not to scale)

DEED REFERENCE

E.P. N. 9-13-131

134.01 AC TRD

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 on the southwestern portion of the property in the open cropland for an STS. The new home will be located on the highest portion of the property and the proposed leach field is just downslope on the more sloping part of the property. These soils have developed in what looks like some wind blown silt and fine sand sediments on the knoll crest (#3 soil) over lying mixed glacial till, developed soils. The higher area of this property is a little better drained and has more slope, so this is the part of the property we focused on for the leach field area. We flagged the proposed leach field area and dug our test pits, basically on the shoulder of the slope under the crest of the hill or knoll.

This proposed filter field area is large and can serve as both the primary and secondary leach 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 normally the driest. We did not find any bedrock and the only soil to have a restricting layer was the #3 soil on the highest part of the landscape. The #3 soil appears to have some kind of wind blown deposit over lying the glacial till that has weathered and the clays have translocated downward in the soil profile. The lower part of the #3 soil is mostly loam with more gravel. The most consistent part of these soils is the depth to a seasonal high water table at a depth of 19 to 20 inches.

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 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 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.

② we used the 12-24" Depth For H. Linear Loading Rate used 5-9 % slope site and Soil Evaluation for Sewage Treatment and Dispersal

County: Ross
 Township / Sec: Union
 Property Address/Location: 5 Union Rd. Chillicothe, OH 45601
 Applicant Name: COUNTRY TIME REALTY
 Address: ATT: David Lishenz - Lead Specialist 3451 Cincinnati - Zanesville Rd, SW Ohio
 Phone #: 614-429-8152
 Lot #: Union Pastures - Tract # 7
 Land Use / Vegetation: Crop Field
 Landform: GLACIAL TILL
 Position on Landform: Side of P Knob
 Percent Slope: 5-6%
 Shape of Slope: CONVEX
 Date: 11-23-20
 Evaluator: CARLOS COLE

Test Hole #: 1
 Latitude/Longitude: N 39° 23' 769" W 83° 03' 221"
 Method: Pit Auger Probe
 Dig to 30" + Augered Remainder
 Signature: Carlos Cole
 Phone: 304-372-4809 Home
 Certification Stamp or Certification #: 24835

Soil Profile	Depth (Inches)	Matrix Color	Estimating Soil Saturation			Class	Texture			Estimating Soil Permeability			Infiltration Loading Rate gal./day/ft ²	Hydraulic Linear Loading Rate
			Munsell Color (hue, value, chroma)	Redoximorphic Features	Depletions		Approx. % Clay	Approx. % Fragments	Grade	Structure	Consistence			
Ap	0-7	10YR4/3	-	-	L	15-18	2*	2-1	F	Gr	vFr	.6	4.1	
BA	7-10	10YR4/4	5/4 + 5/6	-	L	18-22	2*	2-1	M	sbh	Fr	.6	4.1	
Bt1	10-19	10YR5/4	+5/6	-	L	26-28	2*	2	M	sbh	Fr	.6	4.1	
Bt2	19-24	10YR5/4	+5/6	coats of 10YR 6/2	CL	28-32	2*	2-1	M	sbh	Fr	.4	3.0	
Bt3	24-34	10YR5/4	+5/6	10YR 6/2 + 9/1	CL	29-33	2+	1-2	M	sbh	Fr	.2	2.7	
Bt4	34-45	10YR5/6	+5/4	10YR 6/2	L/CL	25-29	2-5*	1	M	sbh	Fr	.4	3.8	
C	45-56	10YR5/4	+5/6	10YR 7/1	L	24-27	2-4*	1	M+C	sbh	Fr			

Linking Conditions: Depth to (in.) 19 Descriptive Notes: x gravel All sizes Remarks / Risk Factors:

Perched Seasonal Water Table: -
 Apparent Water Table: -
 Highly Permeable Material: none
 Bedrock: none
 Restrictive Layer: none

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

ODH - Dec 2006 - Revised Sept 2007

② we used the 12-24 Depth For H. Linear Loading Rate used 5-9 % slope site and Soil Evaluation for Sewage Treatment and Disposal

County: Ross
 Township / Sec: Union
 Property Address/Location: Chillicothe, OH 45601
 Applicant Name: Country Club Realty
 Address: 471 David Lisheny - Land Specialist
3451 Cincinnati - Zanesville Rd, SW Ohio
 Phone #: 614-429-8152
 Lot #: Union Pastures - Tract # 7
 # 2 Test Hole #: 2
 Latitude/Longitude: N39° 23.763' W83° 03.217'
 Method: Pit Auger Probe

Land Use / Vegetation: Crop Field
 Landform: Gravel Till
 Position on Landform: side
 Percent Slope: 6-7
 Shape of Slope: convex
 Evaluator: 11-23-20
Carlos Cole

Certification Stamp or Certification #: 24835
 Signature: Carlos Cole
 Phone: 304-372-4809 Home
304-532-4711 cell

Soil Profile	Depth (Inches)	Matrix Color	Estimating Soil Saturation		Depletions	Class	Texture		Grade	Structure		Infiltration Loading Rate gal./day/ft ²	Hydraulic Linear Loading Rate	
			Munsell Color (hue, value, chroma)	Redoxichloric Features			Approx. % Clay	Approx. % Fragments		Size	Type (shape)			Consistence
Ap0	0-8	10YR 3/3	+4/3	-	-	L/s:L	14-17	1-2*	2	F+m	Gr	vFr	.6	4.1
BA	8-12	10YR 5/4	-	-	-	L/s:L	18-21	1*	2-1	m	sbh	Fr	.6	4.1
Bt1	12-20	10YR 5/6	+6/6	-	-	CL/L	26-29	1-2*	2	m	sbh	Fr	.4	3.0
Bt2	20-29	10YR 5/4	-	-	-	CL/s:CL	29-35	1-2*	1-2	m	sbh	Fr-Fi	.2	2.7
Bt3	29-35	10YR 5/6	+5/4	-	-	L/CL	25-29	2*	1-2	m	sbh	Fr	.4	3.8
BC	35-42	10YR 5/6	+5/4	-	-	L	21-25	2-4*	1	m	sbh	Fr	.4	3.8
2C1	42-49	10YR 5/6	+5/4	-	-	L/sL	18-22	2*	-	-	-	Fr	-	-

Limiting Conditions: 20-35 Depth to (in.)
 Perched Seasonal Water Table: -
 Apparent Water Table: -
 Highly Permeable Material: None
 Bedrock: None
 Restrictive Layer: None

Remarks / Bulk Factors: some at 20-29
x gravel / all sizes
x very fine peagavel

Note: The evaluation should include a complete site plan or site drawing.
 ODH - Dec 1008 - Revised Sept 1007

②

② we used the 12-24" 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 Landform: Glacial Till
 Property Address/Location: 5, Union Rd. Position on Landform: side of crest
 Applicant Name: Chillicothe OH 45601 Percent Slope: 5%
 Address: Countryside Realty Shape of Slope: convex
 Address: ATT: David L. Sherry - Lead specialist
 Address: 3451 Cincinnati - Zanesville Rd, SW Date: 11-23-20
 Phone #: 614-427-8152 Evaluator: Carlos Cole
 Lot #: Union Pastures - Tract # 7
 Test Hole #: 3
 Latitude/Longitude: N39°23.758' W83°03.217'
 Method: Pit Auger Probe
 Certification Stamp or Certification #: 24835
 Signature: Carlos Cole
 Phone #: 304-372-4809 Home
304-532-4711 cell

Dug to 28" + Augered Remainder

Soil Profile	Depth (Inches)	Matrix Color	Estimating Soil Saturation			Texture	Structure	Infiltration Loading Rate gal/day/ft ²	Hydraulic Linear Loading Rate					
			Mineral Color (hue, value, chroma)	Redoximorphic Features	Depletions					Class	Approx. % Clay	Approx. % Fragments	Grade	Size
Ap	0-8	10YR 4/3	-	-	-	L/s:cl	14-18	0-18%	2-1	F+M	Gr	VFr	.6	4.1
BA	8-12	10YR 4/4	+5/4	-	-	L/s:cl	18-21	0-1%	1-2	M	sbh	Fr	.4	3.8
Bt ₁	12-19	10YR 5/4	+5/6	-	-	s:l/l	22-26	-	2	M	sbh	Fr	.6	3.5
Bt ₂	19-26	10YR 5/6	-	coats	6/2	s:cl	28-32	-	2-1	M	sbh	Fr	.4	3.0
Bt ₃	26-30	10YR 5/6	-	coats	6/2	s:cl	30-35	2	1-2	M	sbh	Fr-Fi	.2	2.7
Bc ₁	30-35	10YR 5/6	+7.5YR 5/6	10YR	6/2	s:cl	32-38	1	1	M	sbh	Fi-Fr		
2 Bc ₂	35-44	10YR 5/4	-	-	-	L/cl	25-29	2.5	1	M	sbh	Fr		
Limiting Conditions		Depth to (in)	Descriptive Notes			Remarks / Risk Factors								
Perched Seasonal Water Table		19-35												
Apparent Water Table		-												
Highly Permeable Material		-												
Bedrock		none	to 60"											
Restrictive Layer		30-35												

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

x gravel