June 20, 2025

Jeff Longhenry (Countrytyme Land Specialist, ltd)
3451 Cincinnati-Zanesville Rd, SW
Landcaster, OH 43130

Dear Mr. Longhenry:

We would like to thank you for requesting our assistance to identify the specific soil properties on your company's property on Wells Run Road (6B), near the junction of Garland Creek Road and Wells Run Road, Crown City, in Gallia 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 Gallia 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: John McKean, Director of Environmental Health

# Soil and Site Evaluation Discussion

This soil evaluation (6B) is for a new STS (sewage treatment system) for a new cabin (1 to 3 bedroom home) on this property. On the attached sketch map, we have approximately located, a possible home site and 2 possible leach field areas to serve as the primary and secondary leach field areas for the STS. These 2 proposed leach field areas are located on different types of parent material and the soils do have different soil properties that reflect the soils in the general area of the leach field. The #1 soil has developed from a combination of parent materials (mostly weathered residual sandstone, siltstone and shale) and the colluvium from these different rock layers from upslope. We are not sure, of the history of this property, we are just describing the soils as they occur on site. The #2 soil leach area has developed from the weathering of siltstone and shale bedrock, with maybe some colluvial influence from upslope. Both of these proposed leach field areas will require piping the waste water to the leach area by gravity. The proposed septic tank will be located next to the home.

The soils in the proposed leach field areas will be similar to the soil site descriptions. The #1 soil is more loamy and has sandier soils in the soil profile, but you will find some clay at a deeper depth. We also noted a little water seep south of the proposed leach field area. If the system is installed at this location and you have excess water around the leach field, you can assume it's coming from upslope, so install a french drain upslope of the leach field and the wetness should disappear. The #2 soil has more clay in the soil profile, so this area will require a larger leach area and maybe some loamy fill if you elevated the infiltrators or chamber because of the shallower seasonal water table at a 21 inch depth. The Gallia County Health Department will work with you and your installer on what is needed for the STS. I can see either of the proposed leach field areas as the primary leach area. The #1 soil leach area is further away from the possible house or cabin location and will require more leach line. The #2 location will require elevating the chambers or leach lines and adding some loamy fill, and more leach lines. When the sewage treatment system is installed, either of these locations should work very good for and STS leach field area.

We have shown the location of the proposed STS leach field areas on the sketch map. We have marked the proposed leach field area corners with pink wire flags. The soil description sites are marked with an orange flag in the approximate center of the leach area with the number of the soil description. The approximate dominion, of the proposed leach field areas are similar on the same contour of the slope or 100+ feet long around the slope and 30+ feet wide. We gave a house/cabin site location (example that may change with new owner) on the sketch map to give you a possible reference point, for this report. These soils will be very similar to the soil site description in the proposed leach field area.

# Location Map

# Sketch Map for Countrytyme - #6B -Wells Run Road part parcel # 01100152100


X1, X2 - Soil Site Descriptions

===== Approximate Driveway Location or Farm Road Location

—+—+— Approximate Property Boundary

(2) We used the 12-24" Depth For H. Linear Loading Rate, used >10% slope

6B Lot

# Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Gallia
Township / Sec.: Guyan
Property Address/Location: near Junction of Garland Ck Rd. + Wells Run Rd. Crown City, OH 45623
Applicant Name: Countrytyme Realty
Address: 3451 Cincinnati-Zanesville Rd. Lancaster, OH 43130
Phone #: 614-989-9394-Jeff Longhenry Land Agent
Lot #: 6B
Test Hole #: 1
Latitude/Longitude: N38.63243°, W82.34393°
Method: ✓ Pit ✓ Auger ___ Probe

#1 Soil Pit

Land Use / Vegetation: kudzu - grass + weeds
Landform: Upland - colluvial
Position on Landform: Lower side of Ridge Bench
Percent Slope: 10-14%
Shape of Slope: Convex

Date: 6-12-25
Evaluator: Carlos Cole

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

Dug to 30" + Augered Remainder

| Soil Profile | | Estimating Soil Saturation | | | Estimating Soil Permeability | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Munsell Color (hue, value, chroma) | | | | | | | | | | | |
| | | | Redoximorphic Features | | Texture | | | Structure | | | | | |
| Horizon | Depth (inches) | Matrix Color | Concentrations | Depletions | Class | Approx. % Clay | Approx. % Fragments | Grade | Size | Type (shape) | Consistence | In Field Infiltration Loading Rate gal/ppd/ft² Other Soil Features | Hydraulic Linear Loading Rate (2) |
| Ap1 | 0-7 | 10YR 3/3 | +4/3 | — | L | 12-15 | 10-15+ | 2 | F | Gr | vFr | .6 | 4.4 |
| Ap2 | 7-11 | 10YR 4/4 | +5/4 | — | L | 13-17 | 15+ | 2-1 | F+M | Gr | Fr | .6 | 4.4 |
| Bw1 | 11-18 | 10YR 5/4 | — | — | L | 15-19 | 15-20+ | 2-1 | M | Sbk | Fr | .6 | 4.4 |
| Bw2 | 18-25 | 10YR 5/6 | +5/4 | — | L | 18-20 | 10-15+ | 2-1 | F+m | Sbk | Fr | .6 | 4.4 |
| Bw3 | 25-34 | 10YR 5/6 | +5/4 | — | L | 20-24 | 5-10+ | 1-2 | F+m | Sbk | Fr | .4 | 4.1 |
| BC | 34-41 | 10YR 5/6 | +5/4 | — | L/SL | 18-21 | 10-20+ | 1 | F+m | Sbk | Fr | .4 | 4.1 |
| C1 | 41-48 | 10YR 5/6 | +5/4 | — | SL/L | 16-20 | 10-20+ | — | — | — | Fr | | |
| C2 | 48-50+ | 10YR 5/4 | +5/6 | 10YR 7/2 | L | 24-28 | — | — | — | — | Fr | | |

| Limiting Conditions | Depth to (in.) | Descriptive Notes |
|---|---|---|
| Perched Seasonal Water Table | 48 | |
| Apparent Water Table | — | |
| Highly Permeable Material | — | |
| Bedrock | none to 50" | |
| Restrictive Layer | none | slight At 48" |

Remarks / Risk Factors:

+ gravel + small Rock Fragments

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

(2) We used the 12-24" Depth For H. Linear Loading Rate, used >10% slope

# Site and Soil Evaluation for Sewage Treatment and Dispersal

6B Lot

County: Gallia
Township / Sec.: Guyan
Property Address/Location: near Junction of Garland Ck Rd. & Wells Run Rd. Crown City, OH 45623
Applicant Name: Countrytyme Realty
Address: 3451 Cincinnati-Zanesville Rd. Lancaster, OH 43130
#2 Pit Phone #: 614-989-9394-Jeff Longhenry, Land Agent
Lot #: 6B
Test Hole #: 2
Latitude/Longitude: N38.63144°, W82.34399°
Method: ~ Pit ~ Auger __ Probe

Land Use / Vegetation: Grass (Hayfield)
Landform: upland
Position on Landform: side - point
Percent Slope: 11-15%
Shape of Slope: Convex

Date: 6-12-25
Evaluator: Carlos Cole

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

Dug to 30" + Augered Remainder

| Soil Profile | | Estimating Soil Saturation Munsell Color (hue, value, chroma) | | | Estimating Soil Permeability | | | | | | | Infiltration Loading Rate gal./day/sq.ft. (2) | Hydraulic Linear Loading Rate (2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Redoximorphic Features | | Texture | | | Structure | | | | Other Soil Features | |
| Horizon | Depth (inches) | Matrix Color | Concentrations | Depletions | Class | Approx. % Clay | Approx. % Fragments | Grade | Size | Type (shape) | Consistence | | |
| Ap | 0-6 | 10YR 4/3 | – | – | SiL/L | 13-16 | 1-2+ | 2-1 | F | Gr | vFr | .6 | 3.8 |
| BA | 6-13 | 10YR 4/4 | +5/4 | – | SiL/L | 16-19 | – | 2-1 | F+m | sbk | Fr | .6 | 3.8 |
| Bt1 | 13-21 | 10YR 5/6 | – | – | SiL/L | 22-25 | 2** | 2-1 | m | sbk | Fr | .6 | 3.8 |
| Bt2 | 21-28 | 10YR 5/6 | – | 10YR 7/2 | L/SiCL | 25-28 | 5-10** | 2-1 | m | sbk | Fr | .6 | 4.4 |
| BC | 28-32 | 10YR 6/6 | – | 10YR 7/2 | L/SiCL | 25-28 | 5** | 2-1 | m | sbk | Fr | .6 | 4.4 |
| C1 | 32-40 | 7.5YR 5/6 | – | 10YR 7/2 | SiCL | 28-32 | – | – | – | – | Fr-Fi | | |
| C2 | 40-46 | mixed 7.5YR 5/6 | +10YR 5/6 + 5/4 | 10YR 7/2 | SiCL | 27-30 | 5-15*** | – | – | – | Fr | | |
| C3 | 46-50 | 7.5YR 5/6 | 10YR 5/6 + 5/4 | 10YR 7/2 | SiCL | 30-32 | 10-15*** | – | – | – | Fr-Fi | | |

| Limiting Conditions | Depth to (in.) | Descriptive Notes | Remarks / Risk Factors: |
|---|---|---|---|
| Perched Seasonal Water Table | 21 | | |
| Apparent Water Table | – | | |
| Highly Permeable Material | – | | |
| Bedrock | none | to 50" | |
| Restrictive Layer | Some | At 32" not | major |

x Fine Gravels ** Sandstone Fragments *** Siltstone Fragments

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

June 20, 2025

Jeff Longhenry (Countrytyme Land Specialist, ltd)
3451 Cincinnati-Zanesville Rd, SW
Landcaster, OH 43130

Dear Mr. Longhenry:

We would like to thank you for requesting our assistance to identify the specific soil properties on your company's property on Wells Run Road, near the junction of Garland Creek Road and Wells Run Road, Crown City, in Gallia 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
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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 Gallia 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

Carlos Cole
Soil Scientist

Cc: John McKean, Director of Environmental Health

# Soil and Site Evaluation Discussion

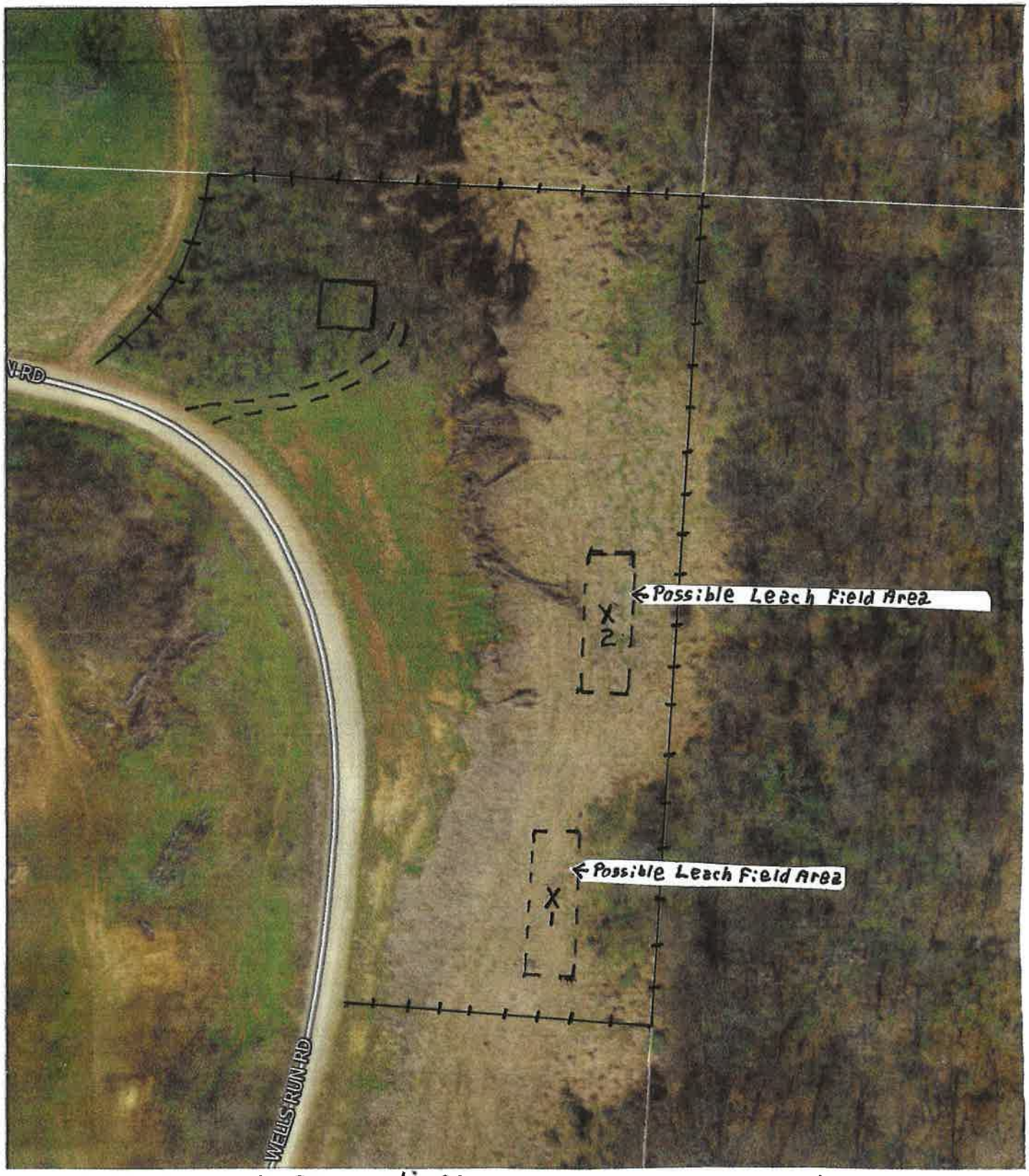
This soil evaluation is for a new STS (sewage treatment system) for a new cabin to a 3 bedroom home on the property. On the attached sketch map, we have approximately located, a possible home site and 2 possible leach field areas to serve as the primary and secondary leach field areas for the STS. These soils have formed or developed in a combination of parent materials (mostly weathered residual sandstone, siltstone and shale) and the colluvium from these different rock layers from upslope. We are not sure, of the history of this property, we are just describing the soils as they occur on site. There is a very steep slope between the house site on the upland ridge and the bench downslope where the proposed leach field areas are located in some areas. I would suggest finding the area with the least slope and bring the waste water line down to the bench area and then connecting with the leach field. The steep brake between the 2 landforms is less sloping in some areas. The steep brake is caused by sandstone and the sandstone weathers and the sandy sediments move downslope to the bench. We also noticed some red clay layers on the upper and lower parts of the bench area. We located the proposed leach field areas with the soil probe to find the better leach areas and the soil site descriptions were taken in the approximate center of the proposed leach field areas.

The soils in each of the proposed leach field areas are similar to the soil site description, within the leach area. If you notice with depth in each of the proposed leach field areas, the soils do increase in clay, in the very lower part of the soil profile. The sandy/loam sediments appear to be colluvial sediments that over lay, the more residual portion of the soil profile.

We have shown the location of the proposed STS leach field areas on the sketch map. We have marked the proposed leach field area corners with pink wire flags in some locations and others just an orange flag in the proposed center of the leach area with the number of the description. The approximate dominion, of the proposed leach field areas are similar on the same contour of the slope or 100+ feet long around the slope and 30+ feet wide. The soil site descriptions were taken in the approximate center of the leach area. We gave a house/cabin site location (example that may change with new owner) on the sketch map to give you a possible reference point, for this report. These soils will be very similar to the soil site description in the proposed leach field area.

# Location Map

# Sketch Map for Countrytyme - #6A -Wells Run Road part parcel # 01100152100




X1, X2 – Soil Site Descriptions

Approximate Scale 1" = 100'

Approximate Driveway Location

Approximate Property Boundary

(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: Gallia
Township / Sec.: Guyan
Property Address/Location: near Junction of Garland Ck Rd. & Wells Run Rd. Crown City, OH 45623
6A Applicant Name: Country Tyme Realty
Address: 3451 Cincinnati-Zanesville Rd. Lancaster, OH 43130
Phone #: 614-989-9394 - Jeff Longhenry Land Agent
#1 Pit Lot #: 6A #1 Lot
Test Hole #: #1
Latitude/Longitude: N38.63272°, W82.34383°
Method: ✓ Pit ✓ Auger ___ Probe

Land Use / Vegetation: Kudzu - grass & weeds
Landform: upland
Position on Landform: side - Bench
Percent Slope: 15-20%
Shape of Slope: Convex

colluvial / over Residual

Date: 6-12-25
Evaluator: Carlos Cole

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

Dug to 30" + Augered Remainder

| Soil Profile | | Estimating Soil Saturation (Munsell Color (hue, value, chroma)) | | | Estimating Soil Permeability | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Redoximorphic Features | | Texture | | | Structure | | | | | |
| Horizon | Depth (inches) | Matrix Color | Concentrations | Depletions | Class | Approx. % Clay | Approx. % Fragments | Grade | Size | Type (shape) | Consistence | Infiltration Loading Rate gal/ppd/ft² Other Soil Features | Hydraulic Linear Loading Rate (2) |
| Ap | 0-5 | 10YR 3/3 | — | — | L | 12-15 | 2-5+ | 2 | F | Gr | vFr | .6 | 4.4 |
| BA | 5-9 | 10YR 4/3 | +5/4 | — | L | 13-17 | 5-10+ | 2-1 | F+M | Gr + sbk | Fr | .6 | 4.4 |
| B+/w | 9-19 | 7.5YR 5/4 | — | — | L | 16-20 | 20-30++ | 2-1 | M | sbk | Fr | .6 | 4.4 |
| Bw | 19-26 | 10YR 5/4 | — | — | L | 15-19 | 15-20++ | 2-1 | M+F | sbk | Fr | .6 | 4.4 |
| BC | 26-33 | 10+7.5YR 5/4 | — | — | L | 15-19 | 10-15++ | 1 | M+C | sbk | Fr | .4 | 4.1 |
| 2C1 | 33-39 | 7.5YR 5/6 | — | — | SiL/L | 20-28 | 5++ | — | — | — | Fr | | |
| 3C2 | 39-45+ | 2.5YR 4/4 | — | 2.5YR 7/2 | SiCL | 30-35 | + — | — | — | — | Fi | | |

| Limiting Conditions | Depth to (in.) | Descriptive Notes | Remarks / Risk Factors: |
|---|---|---|---|
| Perched Seasonal Water Table | 39 | | |
| Apparent Water Table | — | | |
| Highly Permeable Material | — | | |
| Bedrock | none | to 45" | |
| Restrictive Layer | 39" | | |

+ Small Gravels ++ Small & Medium size Sandstone Fragments

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

(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: Gallia
Township / Sec.: Guyan
Property Address/Location: near Junction of Garland Ck Rd. & Wells Run Rd. Crown City, OH 45623
6A Lot
Applicant Name: Country Tyme Reality
Address: 3451 Cincinnati-Zanesville Rd. Lancaster, OH 43130
Phone #: 614-989-9394-Jeff Longhenry Land Agent
#2 Pit Lot #: 6A #1 Lot
Test Hole #: 2
Latitude/Longitude: N38.633210°, W82.34382°
Method: ✓ Pit ✓ Auger ___ Probe

Land Use / Vegetation: Kudzu - grass - weeds
Landform: upland
Position on Landform: side - Bench
Percent Slope: 15-20%
Shape of Slope: Convex
Date: 6-12-25
Evaluator: Carlos Cole

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

Dug to 30" + Augered Remainder

| Soil Profile | | Estimating Soil Saturation: Munsell Color (hue, value, chroma) | | | Estimating Soil Permeability | | | | | | | Infiltration Loading Rate gal/day/ft² | Hydraulic Linear Loading Rate (2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Redoximorphic Features | | Texture | | | Structure | | | | | |
| Horizon | Depth (inches) | Matrix Color | Concentrations | Depletions | Class | Approx. % Clay | Approx. % Fragments | Grade | Size | Type (shape) | Consistence | Other Soil Features | |
| Ap | 0-6 | 10YR 3/3+ | 4/3 — | — | L | 12-15 | 2+ | 2 | F | Gr | vFr | .6 | 4.4 |
| BA | 6-10 | 10YR 5/4 | — | — | L | 14-17 | 2-4+ | 2-1 | F+M | Gr+sbk | Fr | .6 | 4.4 |
| B+1 | 10-17 | 10+7.5YR 5/6 | — | — | L/siL | 19-23 | 1-2+ | 2 | M | sbk | Fr | .6 | 4.4 |
| B+2 | 17-25 | 7.5YR 5/6 | — | — | L/siL | 22-25 | 1-2+ | 2 | M | sbk | Fr | .6 | 4.4 |
| 2BC | 25-32 | 10YR 5/4 | — | — | L | 18-22 | 10-20++ | 1 | M+C | sbk | Fr | .4 | 4.1 |
| 2C1 | 32-37 | 10YR 6/6 | +5/6 — | — | L/SL | 14-19 | 15-25** | — | — | — | Fr | | |
| 2C2 | 37-45 | 10YR 6/6 | +5/4 — | — | L/SL | 16-20 | 20++ | — | — | — | Fr | | |
| 3C3 | 45-50 | 7.5YR | — | — | 1/2 siCL | 29-33 | 5-10++ | — | — | — | Fr-Fi | | |

| Limiting Conditions | Depth to (in.) | Descriptive Notes | Remarks / Risk Factors: |
|---|---|---|---|
| Perched Seasonal Water Table | 45" none | | |
| Apparent Water Table | — | | |
| Highly Permeable Material | — | | |
| Bedrock | none | to 50" | |
| Restrictive Layer | 45-50+ | Some | |

Just Orange Flag with #2 in center of Leach Area Pit Lot #1

+ Fine gravel ++ Sandstone Rock Fragments

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