



Vicinity Map
Not To Scale

Extra-High Intensity Soil Map
Any Cutting, filling or Compaction will void this soil map.
This soil map is to evaluate the site for a subsurface sewage disposal system only.

For Geofl Research
County: Wilson

Soil name and slope	Estimated absorption rate (in/hr)	Depth	Soil Improvement practices/ Perc status	Color code
[Tn1] Talbot 5-20% slopes	> 75 mgl	NA	See attached notes for PFI descriptions	RED
[Tn2] Talbot 5-12% slopes	> 75 mgl	NA	See attached notes for PFI descriptions	RED
[Pn] Panna 5-20% slopes	> 75 mgl	NA	This soil map unit has heavy clay and gyped silt below 20 inches in the contact section, in most places. This map unit will not support a sub-surface drain-field system, either conventional or alternative.	RED
[Gn] Gullied land	> 75 mgl	NA	Gullied land or affected by runoff.	RED

LEGEND
Control Ring
Open Soil Pits
Elevation
Center Line
Easement
Right of Way
Center Line
Easement

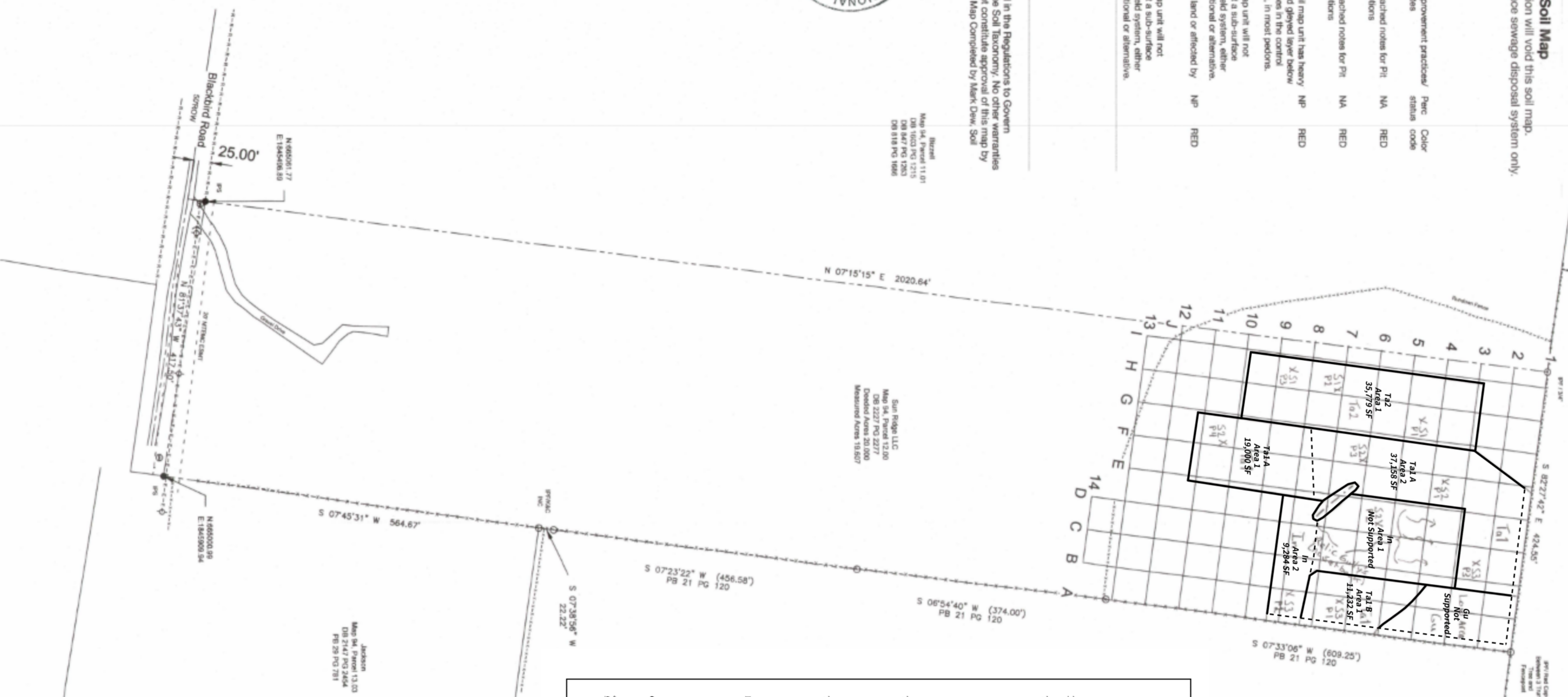
I affirm that this soil map meets the standards established in the Regulations to Govern Subsurface Sewage Disposal, the State Handbook, and the Soil Taxonomy. No other warranties are made by Geofl Research. This map is not a substitute for a professional site visit. The Division of Water Resources (State High Intensity) Soil Map Compiled by Mike Owen, Soil Scientist.



Mark A. Dew
11/1/91
08/10/23 POC 1215
08/14/27 POC 1263
08/18/19 POC 1866

Soil Report LLC
Mark A. Dew
08/22/27 POC 2277
08/22/27 POC 2277
Measured Areas 18,850'

Erington
Mark A. Dew
08/11/20 POC 1934
08/28/20 POC 1933

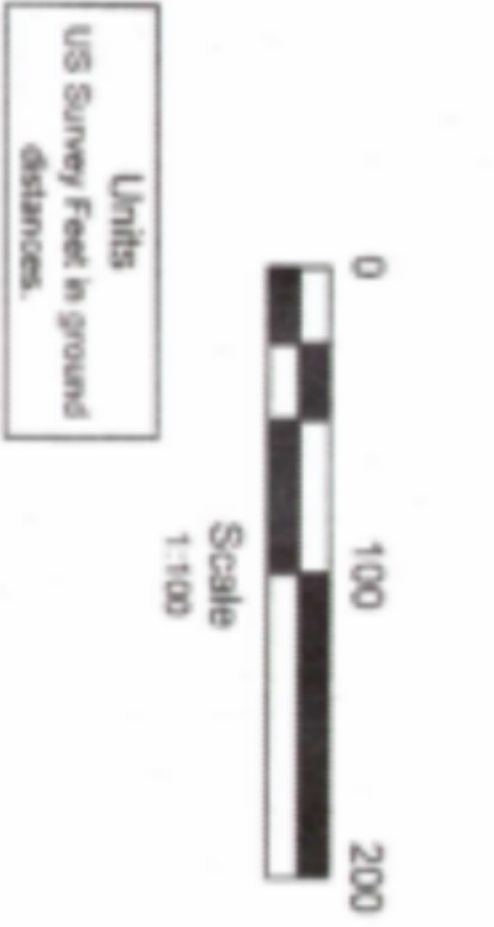


Units

- Boundary
- Fence
- Adjacent Prop
- Easement
- Right of Way
- Center Line
- Easement

Symbols

- Open Circle: Not PFI Found (PFI Called for in Mechanical Treatment)
- Filled Circle: Not PFI Found (PFI)
- Circle with dot: Measured Distances
- Circle with cross: Power Pole
- Circle with triangle: Water Meter
- Circle with star: Fire Hydrant



Certificate of Accuracy
I hereby certify that the survey information and data used in the preparation of this map were obtained from reliable sources and that the stated data are true to the best of my knowledge.

Eric L. Hays
Eric L. Hays, Surveyor
624 Oakmont Ln
Madisonville, TN 37130

Notes

- The survey, when shown, represents a true and correct copy of the original survey.
- Field work for this survey performed June 2023 using a total station.
- Underground utilities have not been located. Owner must provide and maintain records of any underground utilities.
- This property is not to be used as a residential site.
- The survey was performed without the presence of any other parties.
- The survey may not be altered without the consent of the surveyor.
- This map should only be used for the stated purposes only.

SOIL ANALYSIS FOR DRIP ADVANCED TREATMENT SYSTEM
August 6, 2023
Eric Geofl Research
Project ID: 09101200
JH0806.LN

Soil Bedrock Available in System Designer: 3d Bedrock

Tn1 A: Total SF = 56,158 = 21 Bedrooms
Area 1 - S1 P1 4 @ 19,000 SF @ 2.0gpd Sily Clay Lean Moderate Structure
11 Bedrooms = 14,600 gal/d = 8,200 SF
12% 15% allowance for topography, fluctuations & trees = 12,800 SF = 8,200 SF Primary & 9,888 SF Reserve
16,200 SF Required

Tn1 B: Total SF = 11,232 SF = 3 Bedrooms
Area 1 - S1 P1 1 @ 1,000 SF
1 Bedroom = 675 gal/d = 4,500 SF
12% 15% allowance for topography, fluctuations & trees = 675 SF = 4,500 SF Primary & 5,175 SF Reserve
10,200 SF Required

Tn2: Total SF = 35,779 SF = 10 Bedrooms
Area 1 - S1 P1 1,2&3 P1 3 = 37,188 SF @ 1.0gpd Sily Clay Moderate Structure
10 Bedrooms = 1,500 gal/d = 15,000 SF
12% 15% allowance for topography, fluctuations & trees = 2,250 SF = 15,000 SF Primary & 17,250 Reserve
34,200 SF Required

Ln: Total SF = 38,084 SF = 2 Bedrooms
Area 1 - S1 P1 2 (C) P1g Structure Not Used - Not Supported
Area 2 - S1 P1 2 @ 0.75 gpd Clay Weak Structure (Total Area = 9,284 SF)
2 Bedrooms = 300 gal/d/0.75 = 4,000 SF
12% 15% allowance for topography, fluctuations & trees = 920 SF = 4,000 SF Primary & 4,000 SF Reserve
9,200 SF Required

On-Site Structure Not Supported for Pn System

ANALYSIS PROVIDED BY: ALSEPTIC INSTALLERS
CONTRACT: DAVID EHLSON, P. 863.586.2992

Scale Grid
Sun Ridge LLC Property
David Hays 2227 7th St
22nd Civil District of Wilson County, Tennessee
Owner: Sun Ridge LLC
Address: Madisonville, TN 37132
Map 94, Parcel 12,00
Client Book: 2227 7th St 2277
Project: 3 On-Site Water Capacity Tennessee
Contract: 2227 7th St 2277
Date: 5-15-2023
Revision: 0001

Scale Grid
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