

EARTHSEARCH SOIL CONSULTING, LLC

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Revised 9-20-24

Extra High Intensity Soil Map:

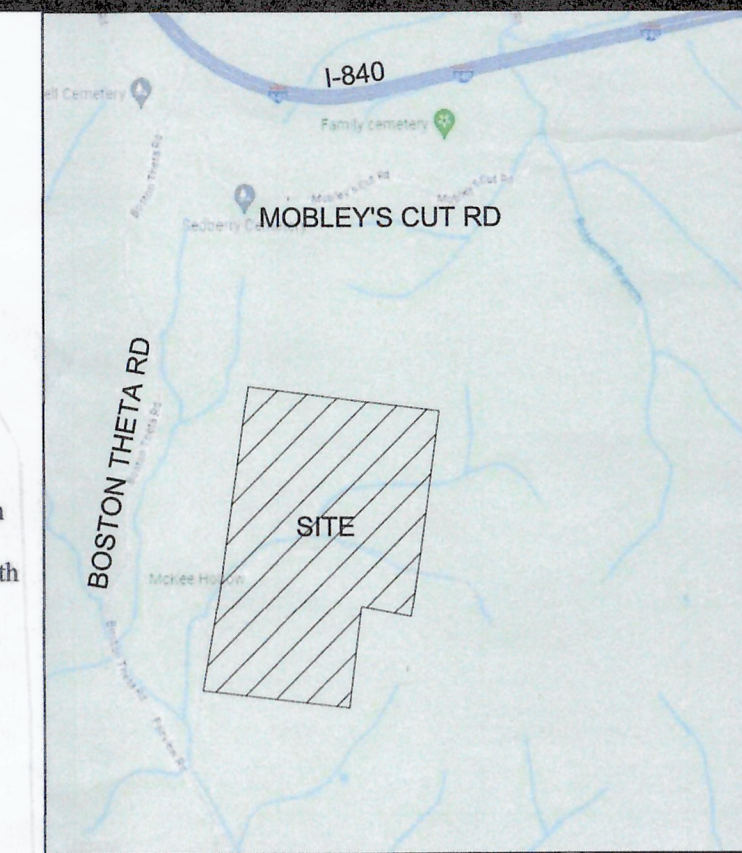
I, J. Michael Haarbauer, affirm that this soil map meets the standards established in the regulations to govern subsurface sewage disposal, the soils handbook and soil taxonomy. No other warranties are made or implied.

Notes:

- Signature of soil scientist does not constitute approval by the Department of Sewage Disposal.
- Depths greater than those noted are greater than 75 mpi.
- Soil underlined by red and green has some limiting properties within 48". They may be avoided by depth restrictions and/or improvement practices. The estimated absorption rate is 10-60 mpi.
- Soil underlined by red and yellow has some limiting properties within 48". They may be avoided by depth restrictions and/or improvement practices. The estimated absorption rate is 75 mpi.
- Soil underlined by red only has limiting properties within 24". The estimated absorption rate is >75 mpi.

Setbacks:

- Maintain a 25' setback from three dot drains and cut banks w/CS and 15' w/Lpp.
- Maintain a 15' setback from two dot drains.
- One dot drain may be installed thru after installation of curtain drain or a 10' setback.
- Slope breaks and creek banks are approximate and may require topographic study to determine exactly.
- Farm path, old test pit and stump hole may be disked, smoothed and installed through.
- Maintain a 10' setback from large stump hole.



VICINITY MAP
(NOT TO SCALE)

Soil Series:

- Humphreys soil unit has permeable soil to depths >30"
- Humphreys-Lindside soil unit has permeable soil to depths >30" w/redox >24"
- Dellrose soil unit has permeable soil to depths >30"
- Captina soil unit has permeable soil to depths >24" with redox >24"
- Humphreys-Dellrose soil unit has permeable soil to depths >30"

Legend:

- Drainage who channel= → → →
- Stump hole= ⊗
- Old test pit= ⊙
- Large stump hole= ⊗
- Farm path= - - -
- Cut bank= 7-7
- Lpp = low pressure pipe
- Cs = conventional system
- Mlpp = modified low pressure

LINE	BEARING	DISTANCE
LT	S 44°02'38" W	64.03

I HEREBY CERTIFY THE GRID SHOWN HEREON WAS FIELD STAKED AT A PRECISION EXCEEDING 1:1,000'.

J. MARK CANTRELL TN PLS# 1859

GPS NOTE

The grid staking information shown on this map was derived from single vector Real-Time Kinematic GPS observations utilizing the Trimble R12 & Trimble R12i Global Positioning System dual frequency receivers and the TDOOT GNSS Reference Network. The grid coordinates of the fixed stations shown were derived using a VRS network of multiple CORS stations referenced to NAD 83(2011)(Epoch2010), Geoid 12B.

Dates of Survey: April 16, 2024
Positional accuracy of the GPS vectors does not exceed:
Horizontal: 8mm (0.028 ft) + 1ppm
Vertical: 15mm (0.049 ft) + 1ppm

LEGEND

- IRON PIN SET
- IRON PIN FOUND
- △ CALCULATED POINT
- P/T
- SOIL STAKE
- TREE
- ✓ UTILITY POLE
- WOOD FENCE POST
- OVERHEAD POWER & TELEPHONE



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CALL US FIRST!
1-800-351-1111
TENNESSEE ONE CALL
IT'S THE LAW

SCALE 1" = 100'
0 100 200 300
TN SPCS NAD 83

GENERAL NOTES

- Ownership information indicated hereon is as identified in County records.
- The within and survey were prepared without benefit of current evidence of source of title for the subject tract or adjacencies and are therefore subject to any statement of facts revealed by examination of such documents.
- The purpose of this map is to show proposed septic areas that have been field staked in 50.0x foot grid sections to allow for further analysis of the areas by a soil scientist/engineer.
- This is not intended to be a boundary retracement survey, and no monuments were set during the course of this survey. This is not intended to be a general property survey as defined under Rule 0820-5-07. This document represents a limited accuracy non-monumented survey of the property described hereon performed under the authority of CA 62-18-126. It should not be relied upon for the construction of fences or other improvements or for establishing the location of property lines. No boundary corners were set with this work.
- All matters herein pertain to Williamson County Property Tax Map Number 148, Parcel 47.00.
- The surveyor's liability for this document shall be limited to those parties identified in the certification and does not extend to any unnamed party.
- The field work for the grid map shown hereon was performed on April 16, 2024. The grid was staked using standard rural surveying techniques with an Electronic total station (Trimble S-5 robotic instrument) and data collector (Trimble TSC7 with Access Data Collection software) and/or using Global Positioning (GPS) (Trimble R12, R12i).
- The utility information shown hereon was taken from actual field evidence, utility agency records, or any other available evidence. Other utilities may exist and may not be shown, or may vary from where shown. No guarantee is expressed or implied in regard to the utility location shown hereon. The Owner(s) and Contractor(s) should assume responsibility to verify utility existence, size, location, depth and availability of service, and be solely responsible for contacting the utility location service prior to commencing construction.
- In Tennessee it is a requirement of the "Underground Utility Damage Prevent Act" that anyone who engages in excavation must notify all known underground utility owner(s) no less than three nor more than ten working days prior to the date of their intent to excavate and also to avoid any hazard or conflict. The Tennessee One Call telephone number is 1-800-351-1111. No utilities were called, nor marked for this project.

RECEIVED by WILLIAMSON COUNTY
DEPARTMENT of Sewage Disposal Management
JUNE 14, 2024 1:45 PM CW SM # 3900

This soils map has been assessed and verified and is APPROVED/DISAPPROVED for SDDP planning purposes.
BY: EE DATE: 9-20-2024
Williamson County Department of Sewage Disposal Management

PARCEL 47.00
154.61 ACRES

MATCH LINE A
MATCH LINE B

MAP LIMIT