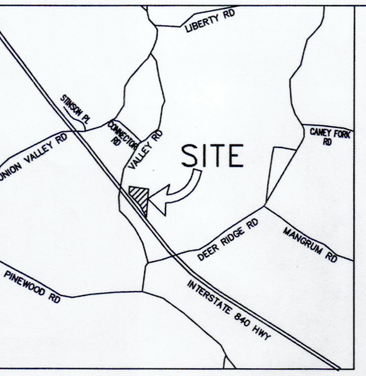


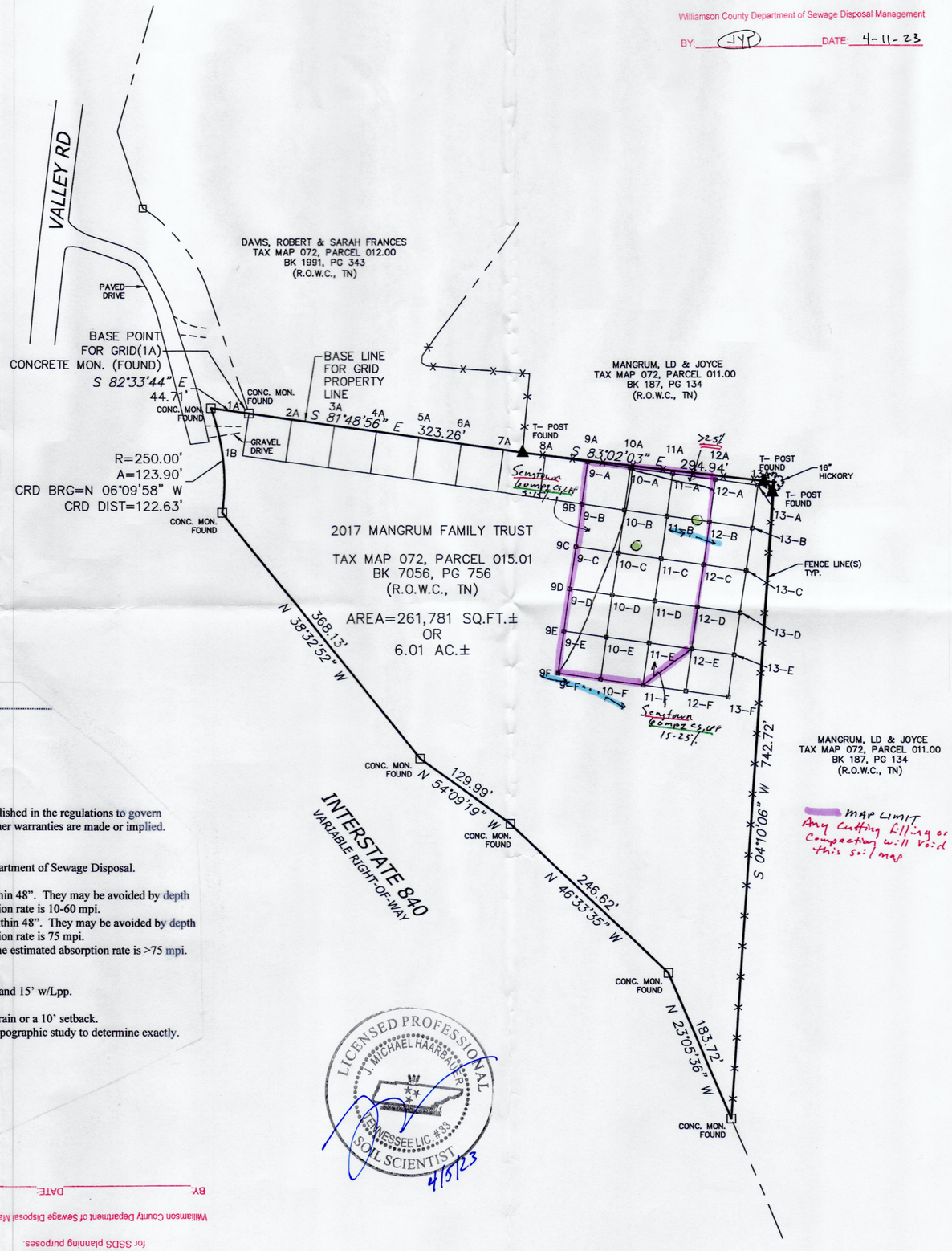
VICINITY MAP
NOT TO SCALE

TSPCS

This soils map has been assessed and verified and is APPROVED/DISAPPROVED for SSDS planning purposes.

Williamson County Department of Sewage Disposal Management

BY: JYP DATE: 4-11-23



STANDARD NOTES:

1. THE HORIZONTAL LOCATION DATA SHOWN ON THIS SURVEY WAS GATHERED USING STANDARD RADIAL SURVEYING TECHNIQUES WITH AN ELECTRONIC TOTAL STATION WITH DATA COLLECTOR AND GLOBAL POSITIONING SYSTEM (GPS) RTK BASE AND ROVER UNITS AND IS BASED UPON A POSITIONAL SOLUTION DERIVED FROM REAL-TIME KINEMATIC GPS OBSERVATIONS PROCESSED BY TENNESSEE DOT NETWORK. BEARINGS ARE EXPRESSED IN THE TENNESSEE STATE PLANE COORDINATE SYSTEM (HORIZONTAL = NAD83-C.O.R.S.; VERTICAL = NAVD88; ZONE TN 4100, GEOID MODEL CONTINENTAL US NGS 2018), USING SOKKIA GPS MODEL GRX3 GNSS RECEIVER RTK (L1+L2), HORIZONTAL ACCURACY=5mm+.05ppm AND VERTICAL ACCURACY=10mm+.08ppm
2. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED ALL UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THIS SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION AS INDICATED. THEREFORE, RELIANCE UPON THE TYPE, SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY.
3. IN TENNESSEE IT IS A REQUIREMENT OF THE "UNDERGROUND UTILITY DAMAGE PREVENTION 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. UTILITIES WERE NOT CHECKED DURING THE COURSE OF THIS SURVEY.
4. 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.

EARTHSEARCH SOIL CONSULTING, LLC

2000 Mallory Ln.
Suite 130-306
Franklin, TN 37067
(615) 210-5523

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 drains 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.
- Brush pile may be removed and installed through.

Soil Series:
- Sengtown soil unit has permeable soil to depths >30"

Legend:
Drainage w/no channel= →·→
Drainage channel >12"= →···→
Brush pile=
Lpp = low pressure pipe
Cs = conventional system
Mlpp = modified low pressure

LICENSED PROFESSIONAL
J. MICHAEL HAARBAUER JR.
TENNESSEE LIC. # 333
SOIL SCIENTIST
4/5/23

BY: DATE:

Williamson County Department of Sewage Disposal Management

This soils map has been assessed and verified and is APPROVED/DISAPPROVED for SSDS planning purposes.

RECEIVED by: WILLIAMSON COUNTY
DEPARTMENT of Sewage Disposal Management
April 6, 2023 3:00 PM BG SM # 3686

I HEREBY CERTIFY THAT THE SEPTIC AREA(S) SHOWN HEREON WERE FIELD STAKED AT A PRECISION NOT EXCEEDING 1:1000

BOBBY G. MOORE
REGISTERED LAND SURVEYOR
STATE OF TENNESSEE 1939
4/5/23

H & H LAND SURVEYING, INC.
612A FITZHUGH BOULEVARD
SMYRNA, TENNESSEE 37167
PHONE: (615) 831-0756 / E-MAIL: handhland@bellsouth.net

50' HIGH INTENSITY SOILS GRID MAP

THE TERRY AND CYNTHIA MANGRUM PROPERTY
TAX MAP 072, PARCEL 15.01
RECORD BOOK 7056, PAGE 756-(R.O.W.C., TN)
7480 VALLEY ROAD
FAIRVIEW, WILLIAMSON COUNTY, TENNESSEE

DRAWN BY: MDH | CHECKED BY: BGM
Scale : 1" = 100'
0' 50' 100' 200'
GRAPHIC SCALE

DATE: JANUARY 13, 2023

REVISIONS			
MK	DATE	BY	CHANGE

JOB NO. 2021-0677
SHEET 1 OF 1