

RDA 2403

Tennessee Department of Environment and Conservation - Division of Water Resources  
Permit for Construction of a Subsurface Sewage Disposal System



Issued To: SMOKEY MTN. DREAM CENTER

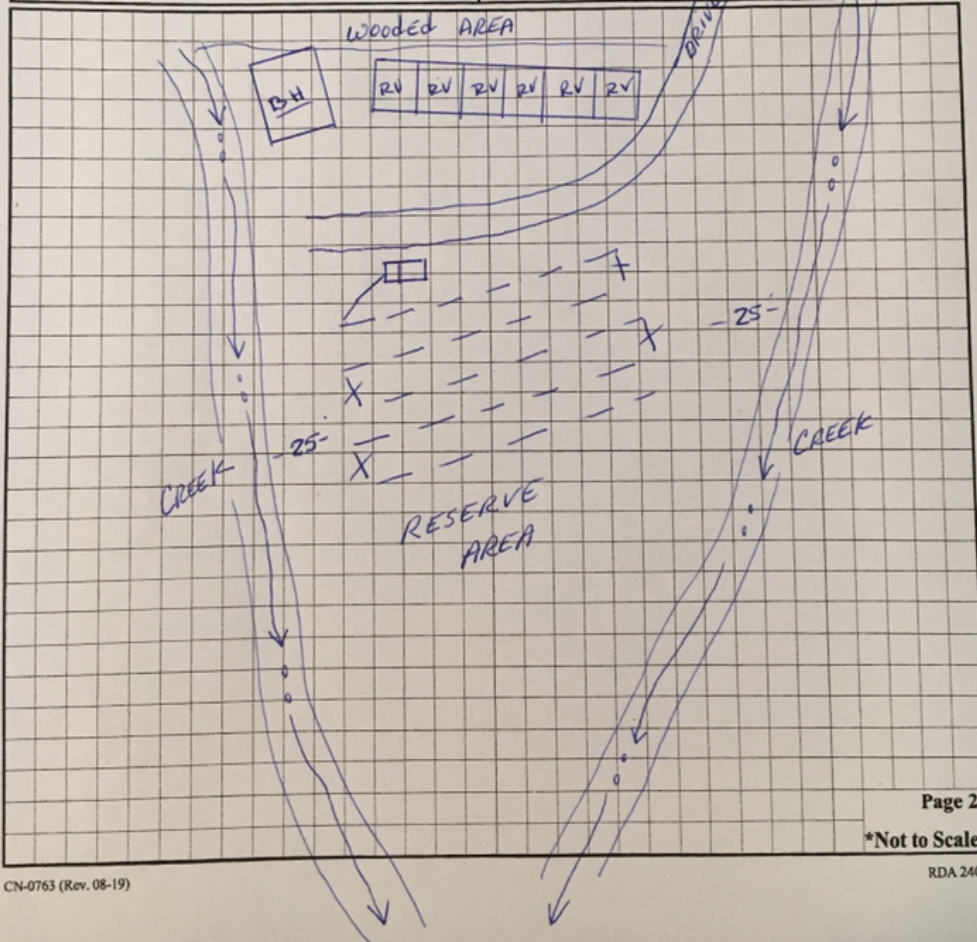
Location: 1155 Fowlers Grove Rd.

Inspector: Brian Murphy

Date: 6/30/2020

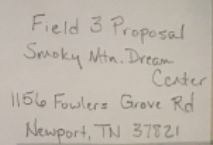
General Notes:

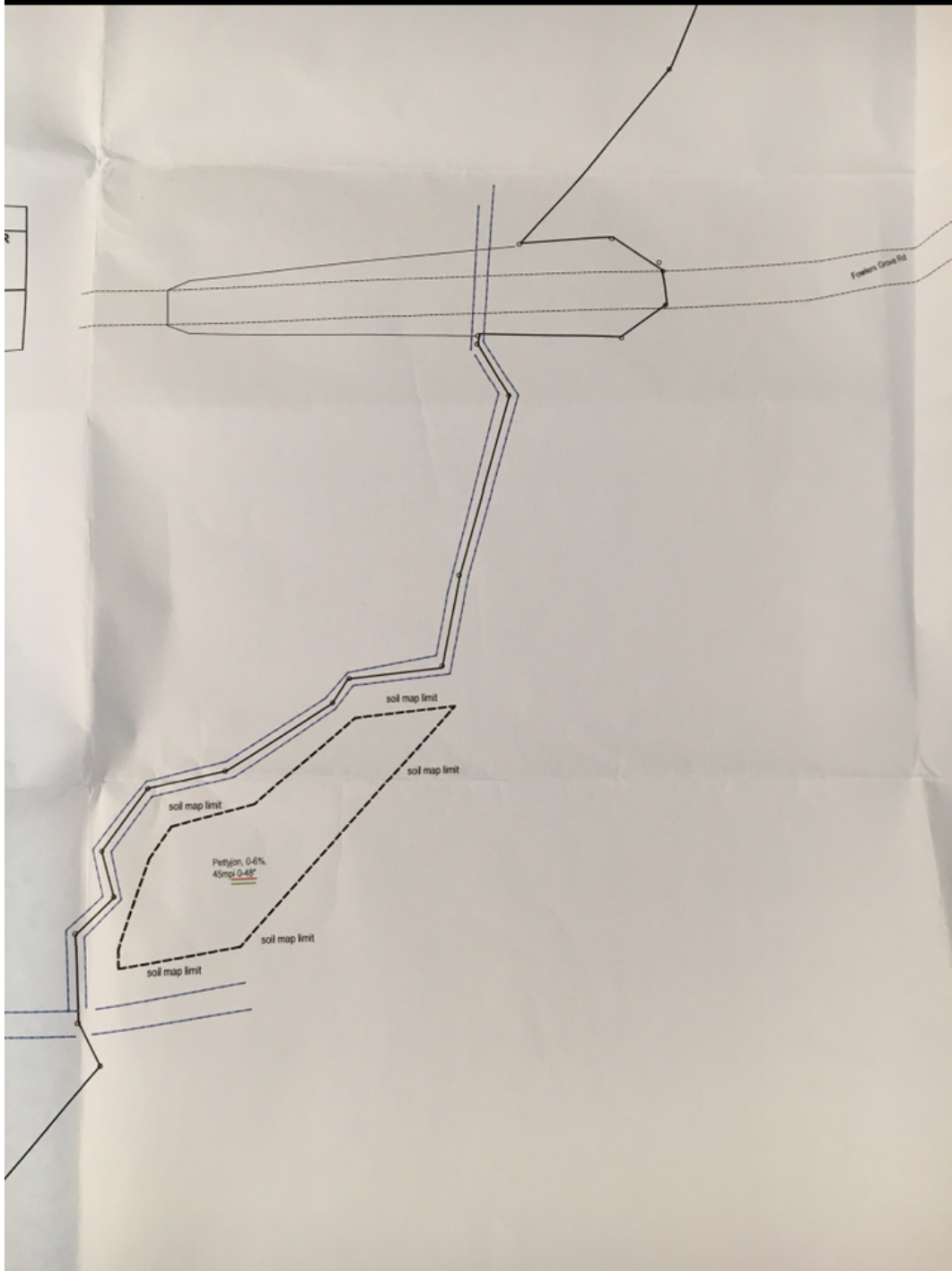
- Please refer to the design specifications for the subsurface sewage disposal system on the first page of the construction permit.
- Contact the local Division of Water Resources representative to schedule a final inspection.
- All electric components (e.g., pump, alarm, etc.) for the subsurface sewage disposal system must be inspected and approved by the appropriate electrical inspector prior to requesting a final inspection. Documentation of the electrical inspection must be available during the final inspection.



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\*Not to Scale



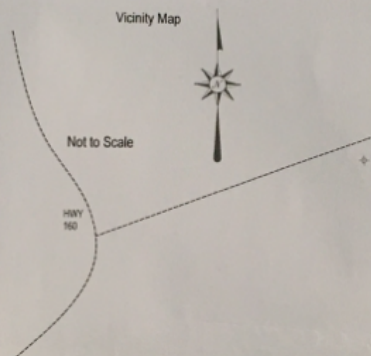


# HIGH INTENSITY SOILS MAP FOR CONVENTIONAL DRAINFIELD SYSTEMS portion of the Grady Hughes Property, 1115 Fowlers Grove Rd Civil District 3, Greene County, TN

For: Emily Houser

| SOILS LEGEND             |        |                                       |                                               |                                                                                                                                                                                                                                                                                                                              |               |
|--------------------------|--------|---------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| SOIL NAME<br>SLOPE CLASS | DEPTHS | ESTIMATED<br>ABSORPTION<br>RATE (MPI) | DEPTH TO<br>RESTRICTING<br>LAYERS<br>(INCHES) | SOIL IMPROVEMENT PRACTICES/<br>NOTES/ PERC STATUS                                                                                                                                                                                                                                                                            | COLOR<br>CODE |
| Pettyjon, 0-6%           | 0-48"  | 45 MPI                                | >48"                                          | The Pettyjon series consists of very deep, well drained soils that formed in loamy alluvium from shales and limestone. These soils require surface water protection above any fieldline installation to prevent over-saturation during wet periods of the year. The unit is considered non-karst, percable at this location. | Red/<br>Green |

TEXT



or compacting will void the soil map.

3 DRY CONDITIONS SO AS TO  
SIDE WALLS AND BOTTOM OF

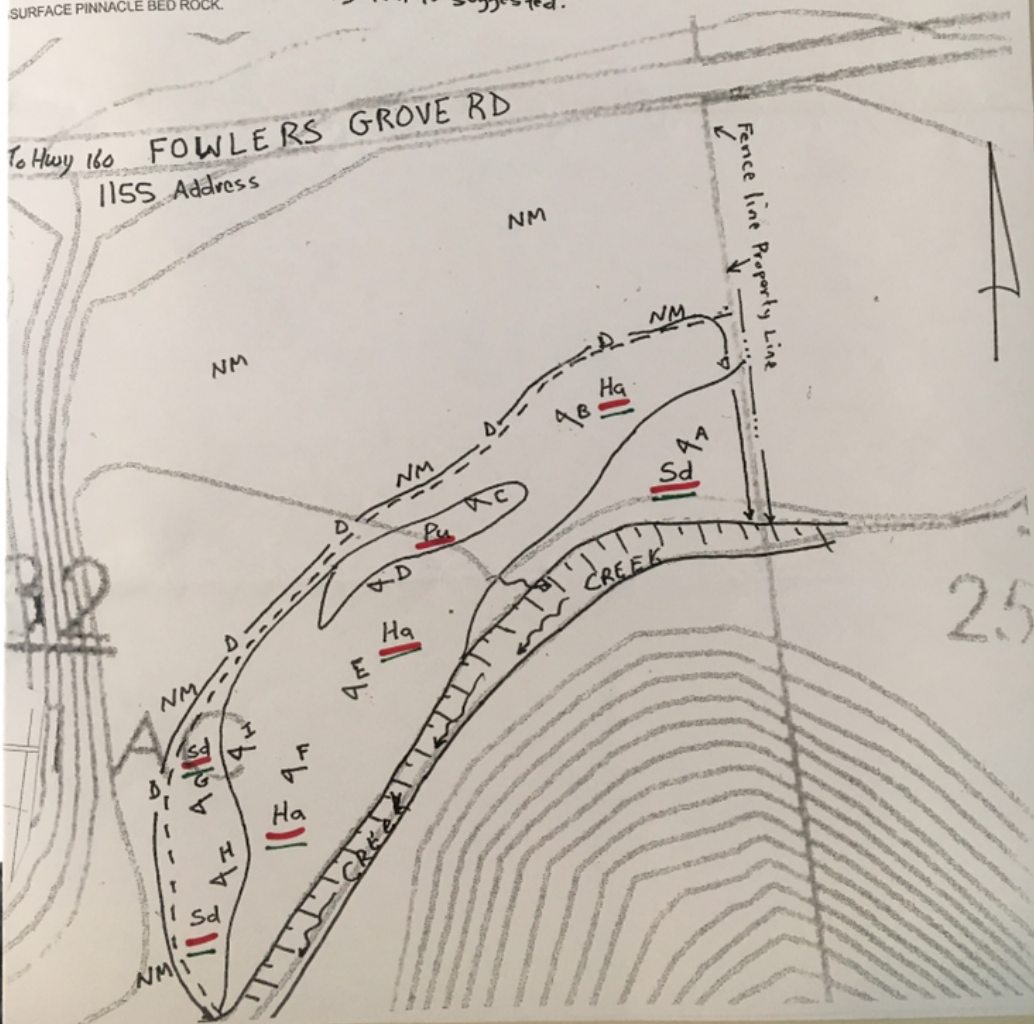
WATER IN THIS AREA IF USED FOR  
GE DISPOSAL.

OF THE GEOLOGY THESE  
SURFACE PINNACLE BED ROCK.

THE Ha SOILS HAVE  
REDOXIMORPHIC FEATURES AT 34"  
DEPTH. THESE SOILS REQUIRE A DRAW  
DOWN DRAIN TO BE INSTALLED  
AROUND THE DISPOSAL FIELD AREA.  
THE DRAW DOWN DRAIN IS TO BE  
INSTALLED 1' DEEPER THAN THE  
INSTALLATION DEPTH OF THE  
DRAINFIELD.

THE Sd SOILS HAVE  
REDOXIMORPHIC FEATURES AT 38"  
DEPTH. THESE SOILS REQUIRE A DRAW  
DOWN DRAIN TO BE INSTALLED  
AROUND THE DISPOSAL FIELD AREA.  
THE DRAW DOWN DRAIN IS TO BE  
INSTALLED 1' DEEPER THAN THE  
INSTALLATION DEPTH OF THE  
DRAINFIELD.

A gravel or chamber septic  
system is suggested.



This soil map is to evaluate the site for a subsurface sewage disposal system only. I, Arthur Grant Dunn, affirm that this soil map meets the Standards established in the Regulations to Govern Subsurface Sewage Disposal, the Soils Handbook, and the Soil Taxonomy. No other warranties are made or implied.

Signature of Soil Consultant does not constitute approval of this map by the Division of Water Resources.

High Intensity Soil Map Completed by

4-29-20

Date

High Intensity Soil Map

Arthur Grant Dunn, Soil Scientist



Notes:

Any Cutting

INSTALL  
NOT SMEL  
TRENCH

\*CONTROL S  
SUBSURFA

DUE TO THE  
SOILS MAY H

SCALE 1"=100'

1155 FOWLER'S GROVE Rd, Newport TN  
Cocke Co

### Legend:

Ha - Hamblen low wet  
60 mpi 24-28" with draw down drain  
>75 mpi 28-48"  
Slopes 2-5%

Pu - Purdy low wet  
>75 mpi 24-48"  
Slopes 2-5%

Sd - Shady - Hamblen low wet  
45 mpi 24-30" with draw down drain  
>75 mpi 30-48"  
Slopes 2-5%

Flag P

Gully ~~~~>

Creek Bank TTTT

NM - Not Mapped

Hwy 160  
To Hwy 321

LOCATION MAP

93  
site