



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES
PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM**

Issued to: <u>Paetz, Charles</u> Owner, Developer, Contractor, Installer, Etc. Location: <u>3222 Armstrong Valley Drive</u> <u>Murfreesboro, TN -</u> County: <u>Rutherford</u> Map/Group: <u>137-</u> Parcel: <u>53</u> Subdivision: Lot:	Evaluation Based Upon: <input checked="" type="checkbox"/> 1. Soil Typing by Soil Scientist <input type="checkbox"/> a. General <input checked="" type="checkbox"/> b. High Intensity <input type="checkbox"/> c. Extra High Intensity <input type="checkbox"/> 2. Soil Percolation Test <input type="checkbox"/> 3. Environmental Specialist Estimated Absorption Rate: <u>75</u> MPI	Type of System: <input checked="" type="checkbox"/> 1. Conventional <input type="checkbox"/> 2. Modified Conventional <input checked="" type="checkbox"/> 3. Conventional System Substitute <input checked="" type="checkbox"/> Chamber <input checked="" type="checkbox"/> Expanded Polystyrene <input checked="" type="checkbox"/> Large Diameter Gravelless Pipe Gravel backfill in a 24" wide trench <u>yes</u> required? <input type="checkbox"/> 4. Low Pressure Pipe <input type="checkbox"/> 5. Mound <input type="checkbox"/> 6. Lagoon <input type="checkbox"/> 7. Subsurface Drip System <input type="checkbox"/> 8. Other
Installation: <input checked="" type="checkbox"/> 1. New Installation <input type="checkbox"/> 2. Repair to Existing System <input type="checkbox"/> 3. System Modification	Approval Based Upon: State No. <u>T.C.A. 68-221-403</u> <input type="checkbox"/> (c) Percolation Test <input type="checkbox"/> (d) Grandfather clause - Current standards except those specified <input type="checkbox"/> (f) 12" (karst) and 6" (non-karst) buffer required <input type="checkbox"/> (i) 9" buffer required (24"-36" total soil depth) <input type="checkbox"/> (k) Grandfather clause - meets June 30, 1990 standards (repair only) <input checked="" type="checkbox"/> Current Standards <input type="checkbox"/> Other: _____	
Establishment: <input checked="" type="checkbox"/> 1. Residential: # Bedrooms <u>5</u> <input type="checkbox"/> 2. Other: _____ Gal/Day <u>0</u>		

This system shall consist of a two compartment septic tank holding 1250 gallons, with 625 linear feet in 3-6 trenches, 36 inches wide and 24 (min) to 24 (max) inches deep. (Depth of gravel: 12 inches)

General Comments:
SIP Length: 600 ft. **SIP Depth:** 36 in.

- Also required:
- 1. Soil Improvement Practice (SIP)
 - Curtain Drain
 - Drawdown Drain
 - Interceptor Drain
 - 2. Flow Diversion Valve
 - 3. Sewage Pump
 - Pump Flow Rate (gpm) _____
 - TDH (ft) _____
 - 4. Other: _____

All installers of subsurface sewage disposal systems must hold a valid annual license from the Tennessee Department of Environment and Conservation.

Please see attached drawing and supporting documentation.

The recipient of this permit agrees to construct or have constructed the above described system in accordance with T.C.A. 68-221-401 et. seq. and The Regulations To Govern Subsurface Sewage Disposal Systems. If any part of the system is covered before inspected and approved, it shall be uncovered by the recipient of the permit at the direction of personnel of the Department of Environment and Conservation. **Any cutting, filling or alterations of the soil conditions on the aforementioned property after this day may render this approval null and void.**

By Sean Antoniak, ES1 Date 03/14/2023
(Date of issue)

This is a permit to construct and is not intended to imply approval of any work proposed or completed on this lot.

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



Issued To: Charles Paetz

Location: 3222 Armstrong Valley
Map: 137 Parcel:053.00

Inspector: Sean Antoniak 

Date: 03/14/2023

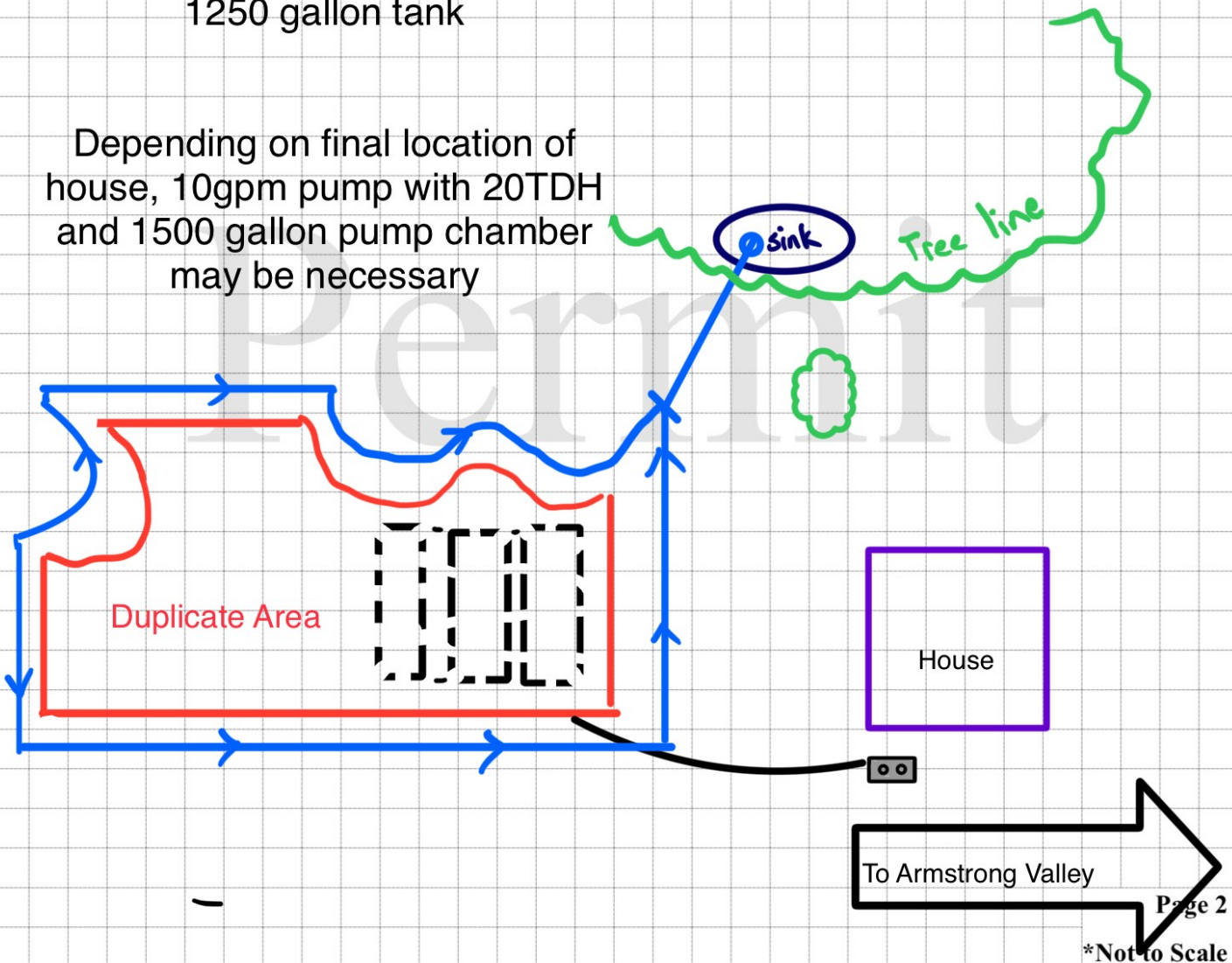
General Notes:

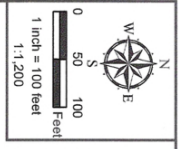
- Please refer to the design specifications for the subsurface sewage disposal system on the first page of the construction permit.
- Contact the local Division of Water Resources representative to schedule a final inspection.
- All electric components (e.g., pump, alarm, etc.) for the subsurface sewage 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.

5 BR

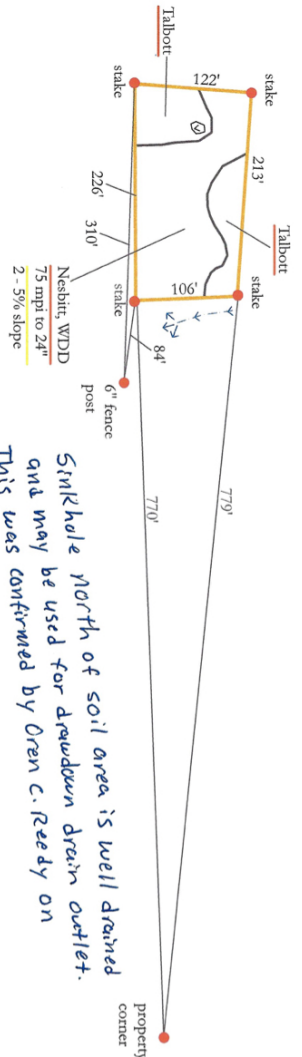
75MPI@24"
 WDD@36" (outlet to sinkhole)
 625' Field line
 1250 gallon tank

Depending on final location of house, 10gpm pump with 20TDH and 1500 gallon pump chamber may be necessary





Location Map - NTS



Sinkhole north of soil area is well drained and may be used for drawdown drain outlet. This was confirmed by Oren C. Reedy on March 8, 2023.
Oren C. Reedy
 3/13/23

- Legend**
- Soil Area - 24,954 SF
 - Nesbitt, WDD - 16,458 SF
 - Talbott - 8,496 SF
 - 1 - Dot Drainageway
 - Rock Outcrop

HIGH INTENSITY SOIL SURVEY SKETCH MAP

Clint Polesel Property
 Armstrong Valley Road
 Rutherford County, Tennessee

Project No. 2260.100
 October 20, 2018
 670 Williamson Circle
 Smithville, TN 37166
 P) 904-338-7161
 orencreedy@gmail.com

HIGH INTENSITY SOIL SURVEY SKETCH MAP NOTES
 ANY CUTTING, FILLING, OR COMPACTION WILL VOID THIS SOIL MAP
 NESBITT WDD SOILS (AS DEPICTED) HAVE SUITABLE SOIL PROPERTIES TO A DEPTH OF 24" FOR INSTALLATION OF SEPTIC SYSTEMS. INSTALL DRAWDOWN DRAIN TO 36".
 TALBOTT SOILS (AS DEPICTED) DO NOT HAVE SUITABLE SOIL PROPERTIES FOR INSTALLATION OF SEPTIC SYSTEMS.
 WDD - WITH DRAWDOWN DRAIN
 MAINTAIN 15' SETBACK TO 1 - DOT DRAINAGEWAY

I, OREN C. REEDY, 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 SKETCH MAP COMPLETED BY:
Oren C. Reedy
 Oren C. Reedy, Soil Scientist
 Date: 3/13/23
 Revision from 10/20/18

