



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

Issued to: <u>Bryce LaBorde</u> Owner, Developer, Contractor, Installer, Etc.  Location: <u>250 Bluff View Rd</u> <u>New Tazewell, TN -</u> County: <u>Claiborne</u> Map/Group: <u>1331-A</u> Parcel: <u>9</u> Subdivision: <u>Lone Mountain Shores</u> Lot: <u>287</u>	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>30</u> MPI	Type of System: <input 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>no</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 checked="" 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 420 linear feet in 5-6 trenches, 36 inches wide and 24 (min) to 36 (max) inches deep. (Depth of gravel: 12 inches)

**General Comments:** Install on contour in area shown on old survey. Recommend 12"-24" wide ditch due to steep slope  
Call 423-494-7339 for final inspection

- 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 Gabe.Davis@tn.gov Date 04/25/2023  
(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: Bryce LaBorde

Location: 250 Bluff View

Lot 287 Lone Mountain Shores

Claiborne Co

Inspector: Gabe Davis, EC1

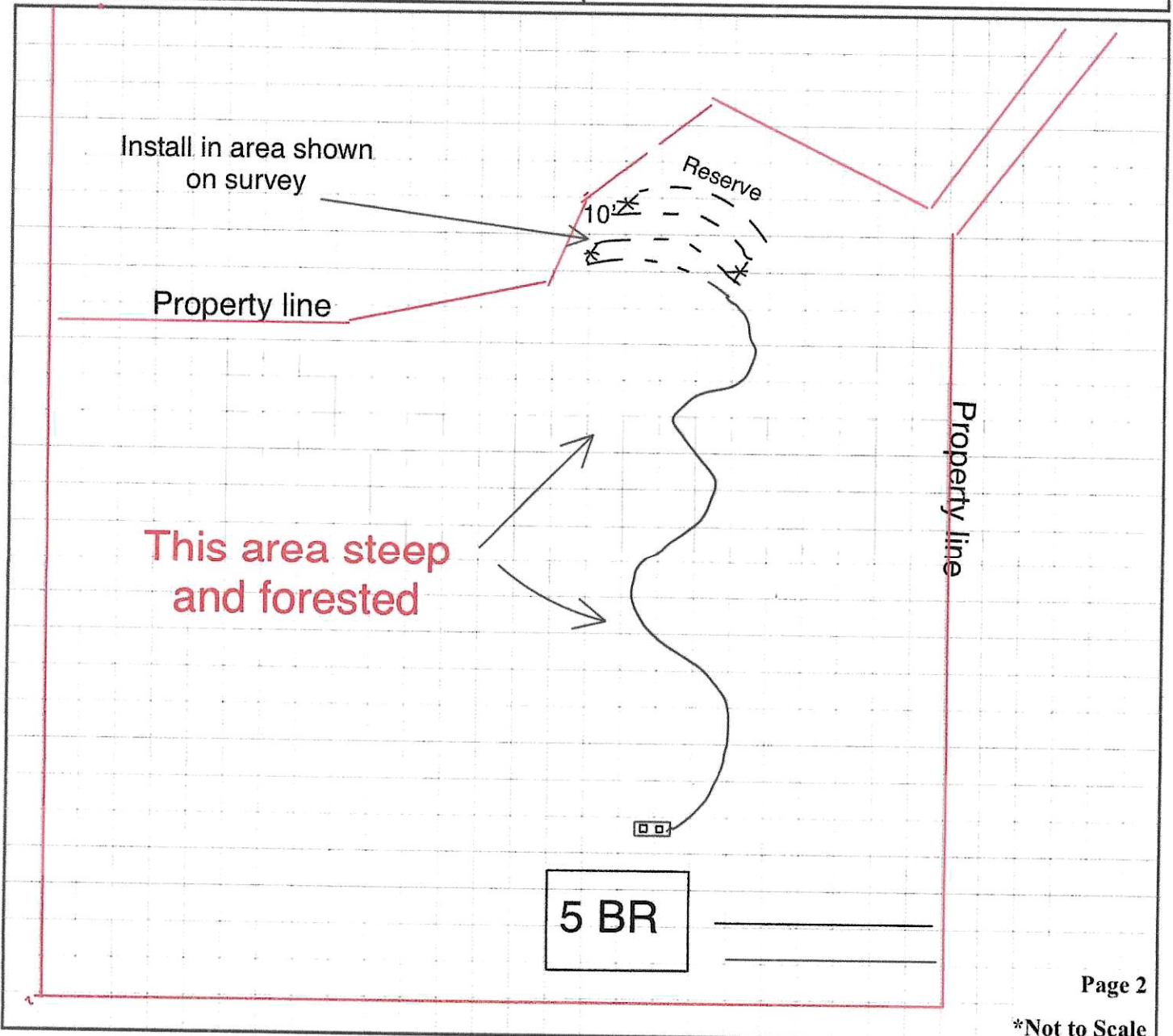
Date: 4/25/23

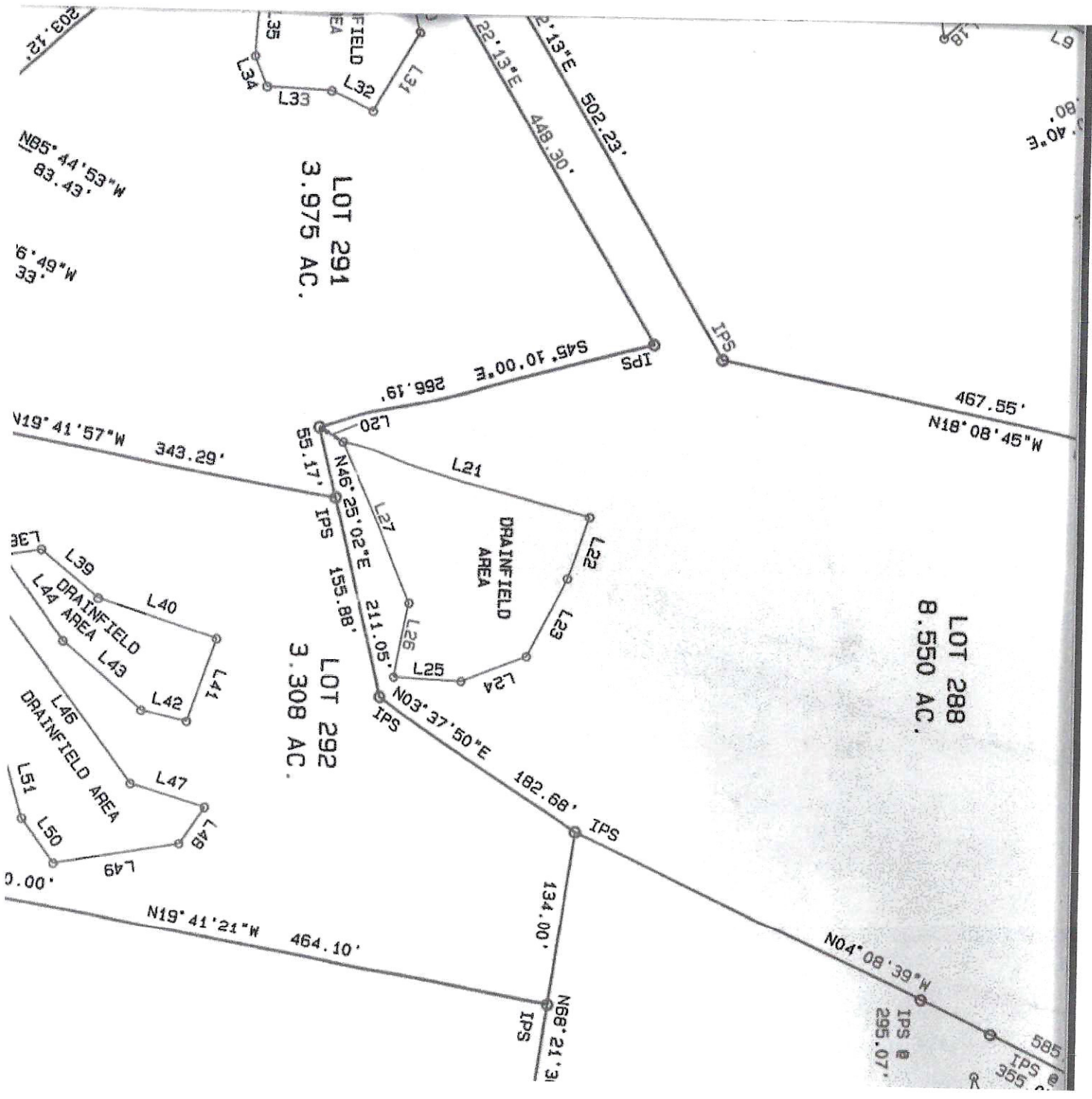
**General Notes:**

- 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.  
50' from any well





LOT 291  
3.975 AC.

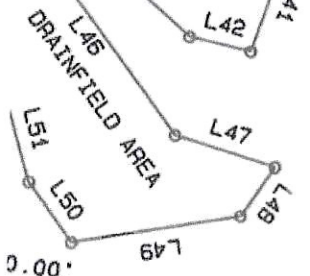
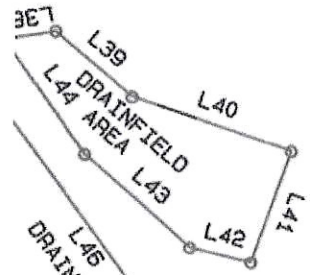
LOT 292  
3.308 AC.

LOT 288  
8.550 AC.

N85° 44' 53" W  
83.43'

S6° 49' W  
33'

N19° 41' 57" W  
343.29'

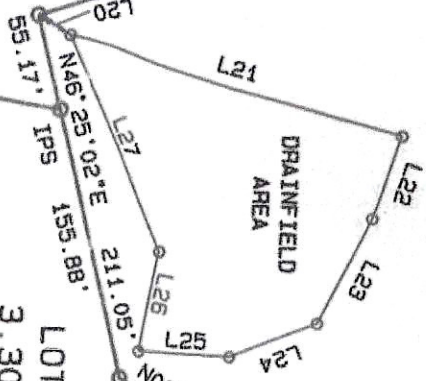


N19° 41' 21" W  
464.10'

P.13° E 502.23'  
22.13° E 448.30'

S45° 10' 00" E 266.19'

467.55'  
N18° 08' 45" W



N03° 37' 50" E 182.68'

134.00'  
N68° 21' 31'

N04° 08' 39" W  
295.07'

585'  
IPS @  
355'

80.40° E



**IF THE SOILS ARE DISTURBED  
(CUT, FILLED OR COMPACTED) AFTER THE DATE SHOWN BELOW, THIS  
SOILS MAP WILL NOT BE VALID!**

**NOTES**

Geology:

The land area of Phase 5-A is underlain by highly fractured sandstone and siltstone of the Rome Formation. Strata generally dip steeply to the south. Because of the nature of the Rome Formation changes in soil depth occur very rapidly from strata to strata based on the properties of any particular strata and the amount of fracturing that has occurred.

Soils:

1. Wallen. A few areas on narrow ridge tops were mapped out. Harder and more massive sandstone is closer to the surface, although most new deep road cuts did not reveal much hard rock within a depth of 40 inches, but there are enough areas with harder rock to limit the effective soil depth.
2. Wallen-Wallen, deep phase Complex. These soils are on steeper slopes. Average depth to harder Cr horizon saprolite ranges from 36 to 48 inches. Depth to hard rock, based on road cuts is more than 6 feet. These soils are rated at 30 MPI to a depth of 36" and 75 MPI below. Surface water protection above the drainfield is required.
3. Wallen, deep phase. Depth to harder sandstone saprolite is usually more than 48 inches.

Wallen, Deep Phase is a Variant to the Wallen Series because there is no hard rock or any hard saprolite within a depth of 40 inches.

**SLOPES and DEPTH TO ROCK**

Each drainfield site has its own slope range. Based on auger observations, and both new and old road cuts, there is no hard rock within a depth of 6 feet on slopes up to 50%, although the highly fractured saprolite becomes very difficult to auger due to thin hard sandstone strata that are surrounded by softer saprolite of sandstone and siltstone.

**RATINGS**

Wallen	30 MPI to 30 inches, 75 MPI 30 to 40 inches, >75 MPI below..
Wallen, Wallen deep phase.	30 MPI to 36 inches, 75 MPI below.
Wallen, deep phase	30 MPI to 36 inches, 45 MPI below.

**NOTE ON OLD ROADS.**

Old logging roads are everywhere! Where ever there is a road cut of more than 18 to 24", there is a minimal 25 foot setback, but 30 to 35 feet is preferred on slopes more than 30% because effluent will move laterally. New road cuts also have a minimal 25 foot setback, but 30 to 35 feet is preferred, especially where slopes exceed 30%.