

Primary Barcode:



Property Owner:



Street Address:



Zip Code:



Subdivision:



Lot Number:



Nearest Town:



APPLICATION FOR ENVIRONMENTAL SERVICES
DIVISION OF GROUNDWATER PROTECTION

1. Service Requested: Septic System Permit Reinspection Letter _____ Water Sample _____

2. Landowner: Name Russell Sanders Applicant: Name _____ Original Owner Name _____
Address 824 Gladwinville Rd Address _____
one mile
Phone # 444-2418 Phone # _____

3. Is the lot in a subdivision? No Name _____ Lot # _____
If not in subdivision, give specific directions: _____

Map Number _____ Parcel Number _____

4. For reinspection letter only: Will pick-up _____ Please mail _____
a) Age of house _____ b) Is house vacant? _____ How long? _____
c) Original sewage system inspected by health department? _____
d) Date of previous repairs _____ inspected? _____
e) Waste water "backing up" into plumbing fixtures? _____ surfacing on the ground? _____
f) All waste water including washing machines routed into septic tank? _____

5. For water sample only: a) Is there an outside faucet? _____ b) Sanitary seal on the casing? _____
c) Is the well chlorinated? _____ d) Casing 6 inches above ground? _____

6. For SSD Permit only: a) Size of Lot 2-3 b) Number of Bedrooms 3
c) How many occupants 2 d) Basement Plumbing: Yes _____ No no
If yes, it will be washing machine _____ bathroom _____ other _____
e) Amount of water used monthly (gallons) _____
f) Water: Public Well _____ Spring _____
g) Is the lot staked? yes Is the house site staked? yes
h) Installer if known: _____

7. Make a rough sketch on the back of this page showing property lines, house site, well location planned driveway and utilities.

8. ALL FEES ARE DUE IN ADVANCE AND ARE NON-REFUNDABLE.
Septic System permit \$75.00 up to 1000 gpd Reinspection letter \$50.00
\$10.00 each additional 1000 gpd 30 working days required
Water Samples: total coliform \$25.00
fecal coliform \$50.00

9. I certify that the above information is true and correct to the best of my knowledge.
Date 6-24-97 Signature Russell Sanders

Receipt No. _____

**TENNESSEE DEPARTMENT OF HEALTH AND ENVIRONMENT
PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM**

Issued to: <u>Roosevelt SANDERS</u> Owner, Developer, Contractor, Installer, Etc. Location: <u>LOT #3 Mayor Jackson</u> <u>Har Kreader Rd</u> Installation: <input checked="" type="checkbox"/> 1. New Installation <input type="checkbox"/> 2. Repair to Existing System Establishment: <input checked="" type="checkbox"/> 1. Residential: # Bedrooms <u>3</u> <input type="checkbox"/> 2. Other: _____ (specify) _____ Gal/Day _____	Evaluation Based Upon: <input type="checkbox"/> 1. Soil typing by Soil Scientist <input checked="" type="checkbox"/> 2. Soil Percolation Test <input type="checkbox"/> 3. Environmental Specialist Estimated Absorption Rate: <u>76</u> Minutes per inch Conventional Systems: Type of System: <input type="checkbox"/> 1. Standard <input type="checkbox"/> 2. Alternating <input checked="" type="checkbox"/> 3. Chapter <u>485</u> <input type="checkbox"/> 4. Other _____	Permit Requirements Based Upon: <input checked="" type="checkbox"/> Soil Texture/Structure <input type="checkbox"/> Soil Depth <input type="checkbox"/> Soil Drainage <input checked="" type="checkbox"/> Presence of Restrictive Layers <input type="checkbox"/> Position Alternative Systems: <input type="checkbox"/> 1. Low Pressure Pipe <input type="checkbox"/> 2. Mound <input type="checkbox"/> 3. Lagoon <input type="checkbox"/> 4. Large diameter graveless pipe <input type="checkbox"/> 5. Other _____ See attached design package
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This system shall consist of a two compartment septic tank holding 1000 gallons, with 380 linear feet in _____ trenches, 36 inches wide and 24-30 inches deep.

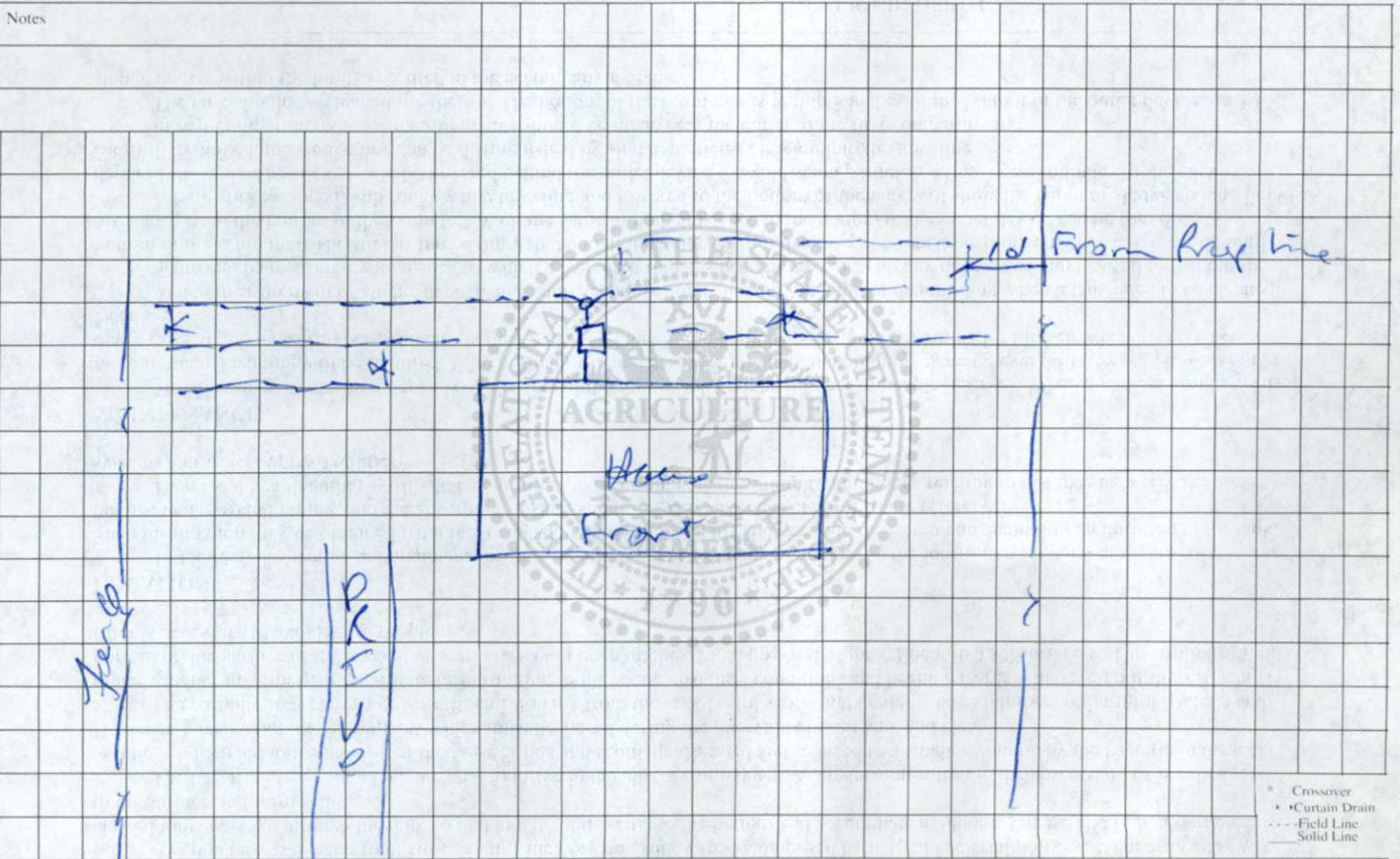
Also required:
 1. Curtain Drain
 2. Flow Diversion Valve
 3. Sewage Pump
 4. Other: _____

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

The recipient of this permit agrees to construct or have constructed the above described system in accordance with 68-13-401 et. seq. and The Regulations To Govern Subsurface Sewage Disposal Systems. If any part of the system is covered before being inspected and approved, it shall be uncovered by the recipient of the permit at the direction of personnel of the Department of Health and Environment. Any cutting, filling or alterations of the soil conditions on the aforementioned property after this day may render this approval null and void.

By Roosevelt Sanders Date 6-24-91
 (Signature of Recipient)
 Issued at Helix Tennessee, in Windsor County
 By Allen Rather E.S. III Date 7/13/91
 (Name and Title) (Date of Issue)

This permit is valid for 3 years from date of issue.



Crossover
 Curtain Drain
 Field Line
 Solid Line

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

Original—File
 Copy—Owner

SEPTIC TANK CARE

Residential sewage disposal systems are generally used in rural and unsewered suburban areas. A septic tank system must be properly designed, installed and maintained if reasonable service is to be expected.

A septic tank is a water tight structure in which organic solids are decomposed by natural bacterial processes. The flow of sewage is slowed in its passage through the tank so that larger solids settle to the bottom and accumulate as sludge. Grease and lighter particles rises to the surface and form scum.

The bacteria present in a tank are able to thrive in the absence of oxygen. Such decomposition in the absence of air is called "septic," which led to the naming of the tank. Solids and scum are digested and reduced to a smaller volume by the bacteria in the tank. However, a residue of sludge remains which must be stored during the interval between tank and cleanings.

The partially treated sewage, or effluent, flowing from the tank is still septic and contains large numbers of harmful bacteria and organic matter in a finely divided state or in solution. Foul odors, unsightly conditions and health hazards will develop if this effluent is ponded on the surface of the ground or carried away in open ditches. Final disposal of the effluent in a subsurface soil absorption system or filter is necessary to avoid these problems.

LOCATION

To facilitate inspection and maintenance, it is imperative that the homeowner knows the location of all parts of the disposal system. Such information may be obtained from the local health authority. Details and accurate measurements including the location of the tank, pumps, underground piping, and the absorption system should be shown on a sketch for future reference.

Then local health authority should be consulted to determine the minimum requirements relating to distance between disposal systems and water supply facilities.

MAINTENANCE

The frequency of cleaning depends on the size of the septic tank and the number of people it serves. When a garbage grinder is used, more frequent cleaning will be required. With ordinary use and care, a septic tank may require cleaning ever 2 or 3 years. However in many cases septic tanks can be satisfactorily operated even longer. The homeowner should determine for himself when his tank needs cleaning.

Actual measurement of sludge deposit and scum accumulation is the only method of determining when a tank need to be cleaned.

Scum can be measured with a stick to which a weighted flap has been hinged, or with any device that can be used to feel out the bottom of the scum mat. The stick if forced through the mat, the hinged flap falls into a horizontal position, and the stick is raised until resistance from the bottom of the scum felt. With the same tool, the distance to the bottom of the outlet device can be found.

A long stick wrapped with rough white toweling and lowered to the bottom of the tank will show the depth of sludge and the liquid depth of the tank. The stick should be lowered behind the outlet device to avoid scum particles. After several minutes, if the stick is carefully removed, the sludge line can be distinguished by sludge particles clinging into the toweling.

In two-compartment tanks, measurements should be made near the outlet of the first compartment.

The tank should be cleaned if either (a) The bottom of the scum mat is within 3 inches of the bottom of the outlet device; or (b) sludge comes within the limits specified in the accompanying table.

LIQUID CAPACITY OF TANK GALLONS	LIQUID DEPTH		
	3 feet	4 feet	5 feet
	Distance from bottom of outlet device to top of sludge, inches.		
750.....	6	10	13
900.....	4	7	10
1,000.....	4	6	8

Do not allow any person who does not have a health department permit to pump your septic tank. Septic tanks are usually cleaned by companies who make this operation a business. The homeowner should check with the local health department for the names of reputable companies in the area.

There are no known chemicals, yeasts or other substance capable of eliminating or reducing the solids in a septic tank so that cleaning is unnecessary. The use of such product is not necessary for the proper operation of a septic tank.

Septic tanks and absorption systems frequently are damaged by heavy trucks or equipment moving over them. Reference to the location sketch of the system will be found helpful in directing heavy vehicles away from the critical areas. If there is no way to avoid crossing a sewer line, cast iron should be used under the crossing.

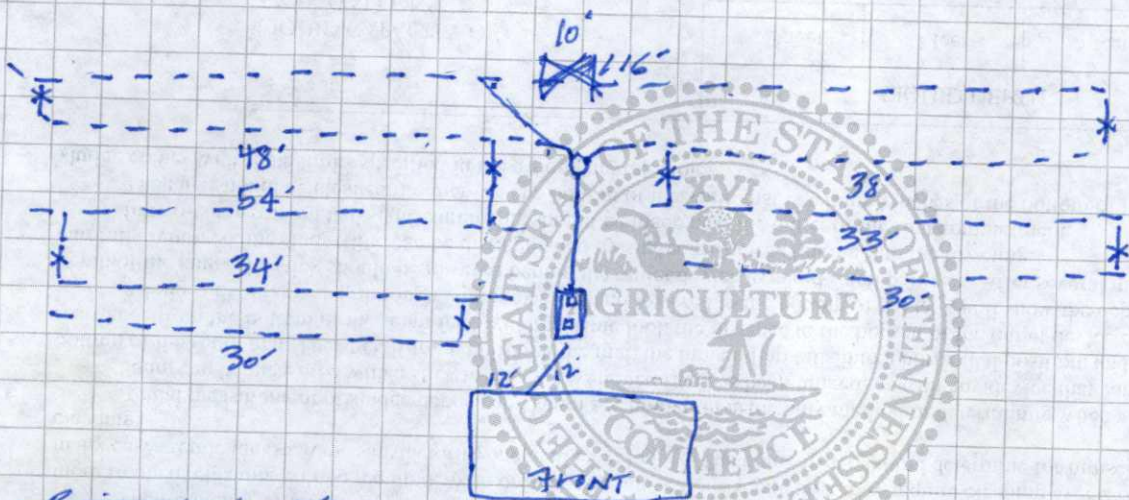
The roots of trees and shrubbery may enter the tile lines and clog them completely. When this occurs, the roots can be removed only digging up and cleaning the tile line.

Neglect of the septic tank is the most common cause of damage to soil absorption systems. When the tank is not cleaned, solids build up and are carried over into the absorption system causing clogging of the soil. When this happens the absorption system must be relocated and rebuilt.

TENNESSEE DEPARTMENT OF HEALTH AND ENVIRONMENT
 CERTIFICATE OF COMPLETION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: Roosevelt SAMPERS
Owner, Developer, Contractor, Installer, Etc.
 Location: Lot #3 Major Jackson Rd
Hammeader Rd

Type of System: () 1. Standard () 5. Mound
 () 2. Alternating () 6. Lagoon
 3. Chapter 485 () 7. Large Diameter Gravelless Pipe
 () 4. Low Pressure Pipe () 8. Other
 (type) _____ (volume) 1000 Septic Tank
 Estimated Absorption Rate _____ 76
 (minutes per inch)
 New Installation () Repair () Other
 Installed by: Robert Spickard



116'
 102
 64
 101
383 TOTAL

- * ~~Raise tank 5'~~
- * ~~Rework all CROSSOVERS~~
 no. line WITH OVER 1
 CROSSOVER.
- * ~~kill 10' section in upper~~
 LINE.
- * ~~Remove CROSSOVERS from upper~~
 LINES.

Construction Approved By: Allen Ratter & Kevin Smith (Name and Title) 5/9/91 (date)

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Handwritten notes:
Homeowner for
pump water 2 1/2 hrs
for 2000 2000
1090
482

