



10
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
APPLICATION FOR GROUND WATER PROTECTION SERVICES

Inspection Only

PTBMS CODES V689

Code Supp/Code

78030

APPLICANT
COMPLETE QUESTIONS:

FEES DUE
\$ 100.00

2, 3, 5, 7, 8, 9

(MUST HAVE UNLESS IS IN A SUB-DIVISION)

ORIGINAL OWNER

Name:

1. SERVICE REQUESTED: (check service)

Inspection Letter

2. LANDOWNER:

Names: John & Lisa Redd:1

Address: 1794 Salem Rd.

Norene TN

Day Phone: (615) 443-8591

APPLICANT

Name: Gordon Carroll

Address: 1411 W. Main

Day Phone: 449-7400

3. LOCATION OF LOT OR SITE: a) In a subdivision?

b) Name:

b) Non-Subdivision Give specific directions and address to the lot or site:

Camville Rd. to Norene to Salem Rd.

(MUST HAVE THE MAP & PARCEL TO PROCESS)

MAP

PARCEL

155

3

5. FOR INSPECTION LETTER ONLY: Will pick up ☒ Please mail ☐

a) Age of house 3 yrs. b) Is house vacant? YES How long? 2 months

c) Original sewage system inspected by Health Department?

d) Date of previous repairs Inspected

e) Is waste water "backing up" into plumbing fixtures? Surfacing on the ground?

f) All waste water including washing machines routed into septic tank

7. MAKE A ROUGH SKETCH ON

THIS PAGE SHOWING DIRECTIONS TO PROPERTY.

IF NOT IN A SUB-DIVISION MUST COMPLETE

8. ALL FEES DUE IN ADVANCE AND ARE NON-REFUNDABLE (except upon appeal). See Fee Schedule on reserve. Make check payable to: TREASURER, STATE OF TENNESSEE

9. I certify that the above information is true and correct to the best of my knowledge, and that I have been authorized by the above named landowner to submit this Application for Environmental Services to the Division of Ground Water Protection.

DATE: 6/10/97

SIGNATURE:

AMOUNT PAID: \$ 100.00 RECEIPT NUMBER 209827

White: File

Pink: Owner

RDA Pending



CERTIFICATE OF COMPLETION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: JOSEPH KATCHIMARK
Owner, Developer, Contractor, Installer, Etc.

Location GRAY PROP. LOT # 6

Type of system

- ☒ 1. Conventional
☐ 2. Low Pressure Pipe
☐ 3. Mound
☐ 4. Lagoon
☐ 5. Large Diameter Gravelless Pipe
 (a) Sand backfill required Yes () No ()

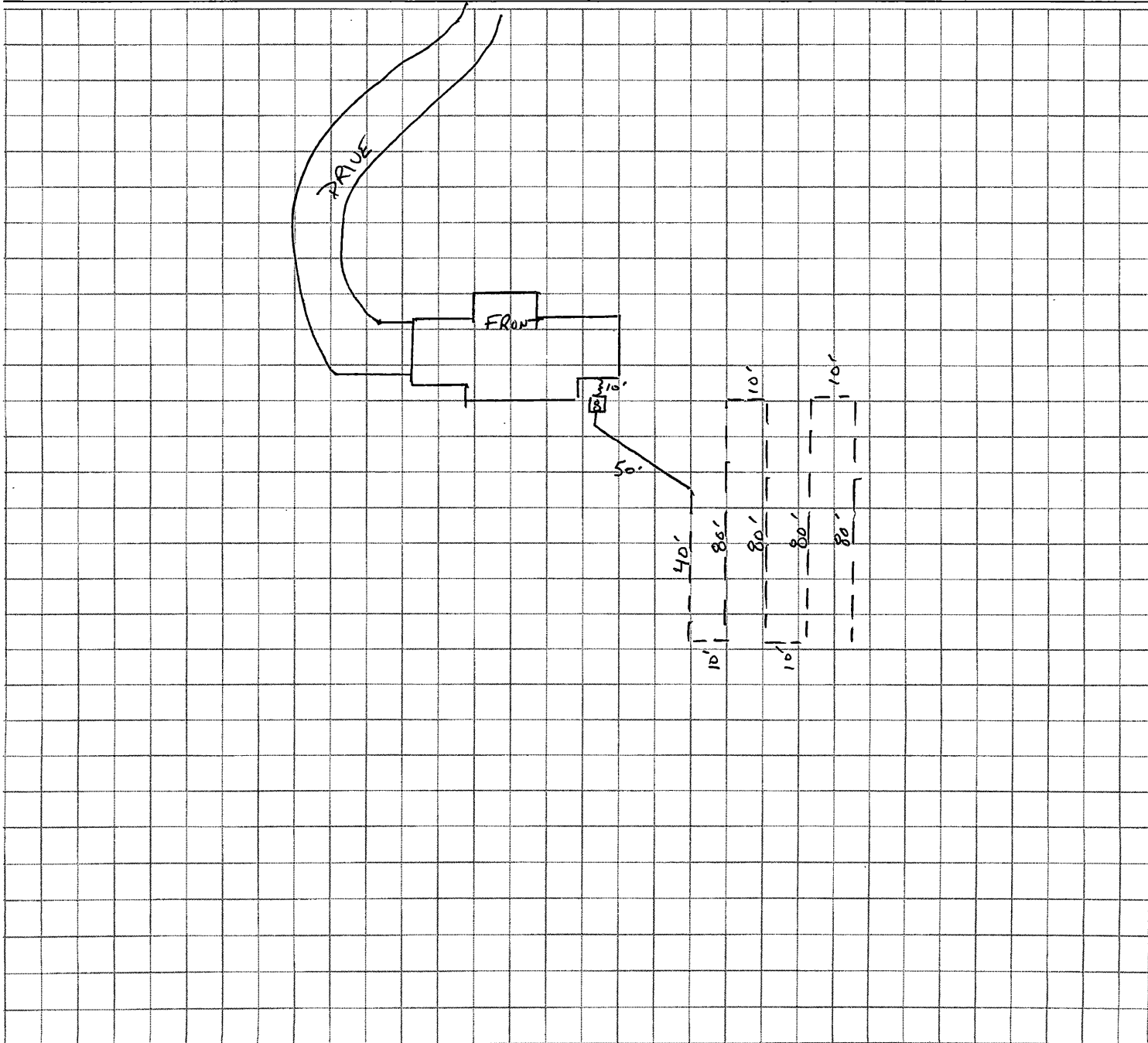
☐ 6. Other _____

51000 (volume) Septic Tank
(type)

Estimated Absorption Rate 75 (minutes per inch)

☒ New Installation ☐ Repair ☐ Other

Installed by: G & L



Construction Approved By: _____

Robert Schweschin ESI
(Name and Title)

3/27/98
(date)

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 rise 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 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 is 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.



Gordon Carroll
449-7400

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Ground Water Protection

Inspection Letter

On 6-18-97, an investigation of the subsurface sewage disposal system, which does not include plumbing and other fixtures preceding the septic tank, was performed at 1794 Salem Rd Norene Wilson
(location) (city) (county)

Owned by John & Lisa Reddit

At the time of the investigation the following observation(s) was (were) made:

- ☒ There was no evidence of sewage or effluent outcropping to the ground surface.
- ☐ Sewage or effluent from the sewage system was outcropping to the ground surface.
- ☒ The house appeared vacant; therefore, the performance of the sewage system when typically loaded, cannot be realistically evaluated.

A thorough search of our files indicates the following:

- ☐ The sewage system was inspected and approved by a representative of this Department. The system was approved for _____ bedrooms using an estimated absorption rate of _____ minutes per inch or a percolation rate of _____ minutes per inch.
- ☐ The sewage system was inspected and disapproved by a representative of this Department.
- ☒ No record of the site evaluation could be found.
- ☒ No record of the sewage system construction or approval could be found.
- ☐ The site was evaluated on _____ and determined unacceptable for subsurface sewage disposal.
- ☐ A repair was attempted to the subsurface sewage disposal system on _____. These modifications do ____ do not ____ meet the minimum standards of this Department.

REMARKS:

If you have any questions or comments concerning the contents of this letter, please feel free to contact me at 443-2788.

Eric Carson
Environmental Specialist

Wilson
County

6-18-97
Date