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**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**DIVISION OF WATER RESOURCES**  
 Land-Based Systems Unit  
 William R. Snodgrass - Tennessee Tower  
 312 Rosa L. Parks Ave., 11<sup>th</sup> Floor  
 Nashville, TN 37243-1102

**APPLICATION FOR WATER RESOURCES SERVICES**

SERVICE REQUESTED: (check service)	APPLICANT COMPLETE QUESTIONS:	FEES DUE	PTBMIS CODES V689 Code Supp/Code	
<input type="checkbox"/> Septic System Construction Permit				
Dwelling.....	2,3,4,7,8,9	\$ _____	78064	Yes
Commercial: gpd.....	2,3,4,7,8,9	\$ _____	78064	Yes
System Modification.....	2,3,4,7,8,9	\$ _____	78064	Yes
<input checked="" type="checkbox"/> Repair.....	2,3,4,7,8,9	\$ _____		
<input checked="" type="checkbox"/> Conventional Construction Inspection.....	2,3,4,7,8,9	\$ <u>100.00</u>	78064A	Yes
System Modification.....	2,3,4,7,8,9	\$ _____	78030	
Inspection Letter.....	2,3,5,7,8,9	\$ _____	78030	
Certificate of Verification.....	2,3,4,7,8,9	\$ _____	78032	Yes
Water Sample				
Total Coliform.....	2,3,4,7,8,9	\$ _____	78036	Yes
Fecal Coliform.....	2,3,4,7,8,9	\$ _____	78038	Yes
Alternative System Permit*		\$ _____	78068	
Large or Alternative Construction Inspection.....	2,3,4,7,8,9	\$ _____	78068A	Yes
Large Conventional System Plan Review*		\$ _____	78090	
Large or Alternative System Plan Review*		\$ _____	78090	
Experimental System Plan Review*		\$ _____	78072	
Subdivision Evaluation: Lots: _____ *		\$ _____	78084 (A,B,C)	
Installer Permit: Type(s) _____ *		\$ _____	78026	Yes
Pumper Permit *		\$ _____	78028	
Domestic Septage Disposal Site Permit.....		\$ _____	78031	

\*Applicant may review these service requests with a staff member prior to processing application.

2. LANDOWNER: Names: Phil Perry Address: 634 Lawson Rd. Crossville, TN 38571 Day Phone: 931-200-3325  
 APPLICANT Names: Daniel Perry Address: 614 Lawson Rd. Apt 1 Crossville, TN 38571 Day Phone: 931-200-3325  
 ORIGINAL OWNER Name: \_\_\_\_\_  
overmansheds@gmail.com

3. LOCATION OF LOT OR SITE: a) in a subdivision? NO b) Name: Perry Property Lot # 3  
 c) Non-Subdivision \_\_\_\_\_ Give specific directions and address to the lot or site 127 n, right on Lawson, House on right  
 d) Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_

4. FOR SSDS PERMIT ONLY: a) Size of lot 1 b) Number of Bedrooms 4  
 c) How many occupants? 4 d) Excavated Basement? Yes \_\_\_\_\_ No ✓  
 e) Basement Plumbing Fixtures? Yes \_\_\_\_\_ No ✓  
 f) Amount of water used monthly (gallons) \_\_\_\_\_  
 g) Water Supply: Public ✓ Well \_\_\_\_\_ Spring \_\_\_\_\_  
 h) Is the lot staked? \_\_\_\_\_ If not, date it will be staked: \_\_\_\_\_  
 Is the house staked? \_\_\_\_\_ If not, date it will be staked: \_\_\_\_\_  
 i) Installer, If known: \_\_\_\_\_

5. FOR INSPECTION LETTER ONLY: Will pick up \_\_\_\_\_ Please mail \_\_\_\_\_  
 a) Age of house \_\_\_\_\_ b) Is house vacant? \_\_\_\_\_ How long? \_\_\_\_\_  
 c) Original sewage system inspected \_\_\_\_\_  
 d) Date of previous repairs \_\_\_\_\_ Inspected \_\_\_\_\_  
 e) Is wastewater "backing up" into plumbing fixtures? \_\_\_\_\_ Surfacing on the ground? \_\_\_\_\_  
 f) All wastewater including washing machines routed into septic tank \_\_\_\_\_

6. FOR WATER SAMPLE ONLY: a) Source of Supply: Spring \_\_\_\_\_ Well \_\_\_\_\_  
 b) Is there an outside faucet? \_\_\_\_\_ c) Is the source chlorinated? \_\_\_\_\_  
 d) For Wells: Is the casing 6" above the ground? \_\_\_\_\_ Is a sanitary seal on the casing? \_\_\_\_\_

7. MAKE A ROUGH SKETCH ON BACK OF THIS WHITE PAGE SHOWING DIRECTIONS TO PROPERTY, PROPERTY LINES, HOUSE SITE, WELL LOCATION, SPRING LOCATION, PLANNED DRIVEWAY AND UTILITIES.

8. ALL FEES DUE IN ADVANCE AND ARE NON-REFUNDABLE (except upon appeal). See Fee Schedule on reverse. 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; I have been authorized by the above named landowner to submit this application for Environmental Services to the Division of Water Resources.

DATE: 9-5-19 SIGNATURE: [Signature] AMOUNT PAID: \$ 100.00 RECEIPT NUMBER: 18528

RECEIVED  
 SEP 16 2019  
 ENVIRONMENT & CONSERVATION  
 COOKEVILLE FIELD OFFICE



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER RESOURCES

Land-Based System Unit  
William R. Snodgrass – Tennessee Tower  
312 Rosa L. Parks Ave., 11<sup>th</sup> Floor  
Nashville, TN 37243-1102

PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: <u>Phil Perry</u> (Owner, Developer, Contractor, Installer, etc.) Location: <u>634 Lawson Road</u> Installation: <input type="checkbox"/> 1. New Installation <input checked="" type="checkbox"/> 2. Repair to Existing System Establishment: <input checked="" type="checkbox"/> 1. Residential: # Bedrooms <u>REPAIR</u> <input type="checkbox"/> 2. Other: _____ (Specify) Gals/Day _____	Evaluation Based Upon: <input type="checkbox"/> 1. Soil typing by Soil Scientist <input type="checkbox"/> a. General <input type="checkbox"/> b. High Intensity <input type="checkbox"/> c. Extra high Intensity <input type="checkbox"/> 2. Soil Percolation Test <input checked="" type="checkbox"/> 3. DWR/LBS Staff Member <u>REPAIR</u> Estimated Absorption Rate: <u>REPAIR</u> MPI	Type of System <input type="checkbox"/> 1. Conventional <input checked="" type="checkbox"/> 2. Modified Conventional <input type="checkbox"/> 3. Conventional System Substitute <input type="checkbox"/> Chamber <input type="checkbox"/> Poly Expanded Styrene <input type="checkbox"/> Large Diameter Gravelless Pipe <input type="checkbox"/> Sand Backfill 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: _____
	Approval based upon: Statute 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 checked="" type="checkbox"/> (k) Grandfather clause – meets June 30, 1990 standards (repair only) <input type="checkbox"/> Other _____	

This system shall consist of a two compartment septic tank holding EXISTING gallons with 250 linear feet in ±4 trenches, 36 inches wide and 22\* inches deep. (Depth of gravel: 12 inches)

Also required:

- 1. Soil Improvement Practice (SIP)
- 2. Flow Diversion Valve
- 3. Sewage Pump
- 4. Other: \_\_\_\_\_

\* DO NOT EXCEED 22" TRENCH DEPTH

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

The recipient of this permit agrees to construct or have constructed the above described system in accordance with T.C.A. §68-401 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 Environment and Conservation. Any cutting, filling or alterations of the soil condition on the aforementioned property after this day may render this approval null and void.

X (Signature of Recipient) \_\_\_\_\_ Date \_\_\_\_\_

Issued at Crossville Tennessee, in Cumberland  
 by Brian Hamata CONSULTANT Date 9-9-2019  
 (Name and Title) (Date of Issue)

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

Notes
• SEE SITE SKETCH - lpg
• SEE INSTALLATION NOTES - 3pgs
* PERMIT HAS <u>Spgs</u> TOTAL



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



Issued To: Phil Perry

Location: 634 Lawson Road

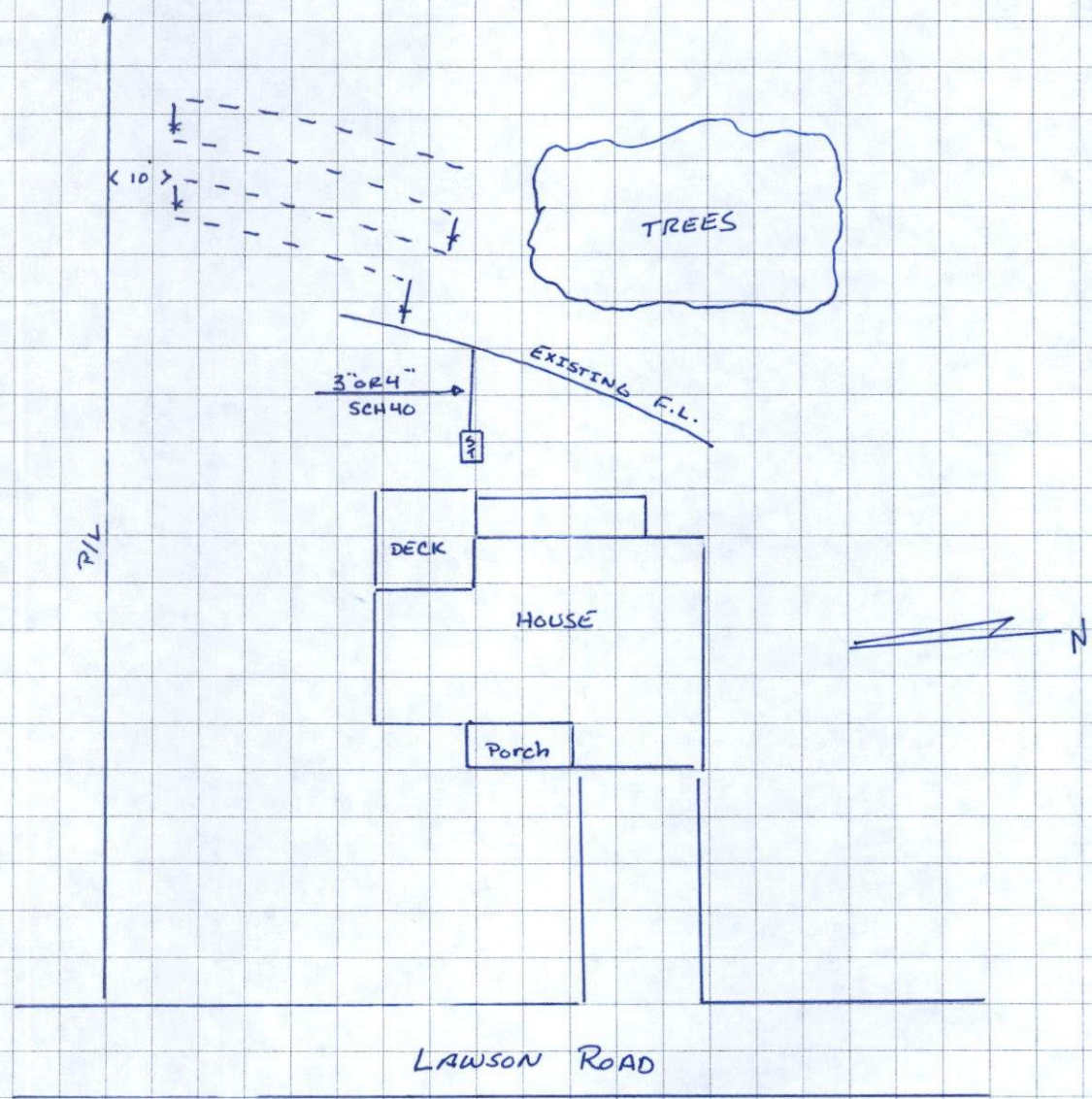
(REPAIR)

Inspector: Brian Hauster

Date: 9-9-2019

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.



NAME: Phil Perry

LOCATION: 634 Lawson Road

GPS LOCATION: 36.0183      -85.0343

PARCEL #: 062 129.00

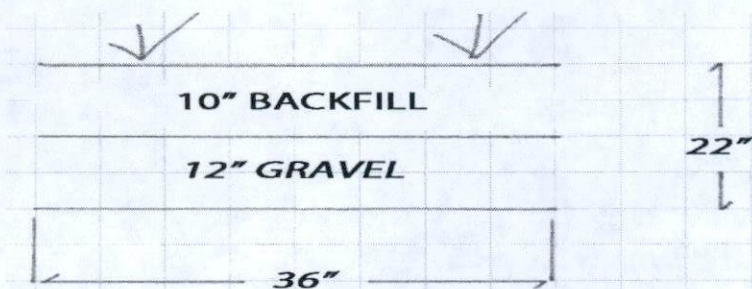
**INSTALLATION NOTES:**

- Call 8:00-9:00 a.m. to schedule final inspection. **(931) 484-8025**
- **A COPY OF THIS PERMIT SHOULD BE ON SITE DURING THE INSTALLATION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) AND WHEN THE FINAL INSPECTION IS MADE.**
- This is a repair permit. **Rule 0400-48-01-.06(3)**: *“These Rules also apply in correcting existing failures; however, the Commissioner may allow repairs if the site does not meet the soil suitability, disposal field length and reserve area requirements. Repair permits are necessary when installing tanks (septic or dosing) and/or installing absorption field line in order to correct an existing failure.”*
- **NO PORTION OF THE SEPTIC SYSTEM MAY BE COVERED PRIOR TO FINAL INSPECTION. THIS INCLUDES THE SEPTIC TANK, TIGHT LINE, CROSS-OVERS AND FIELD LINES. IF ANY PORTION OF THE SYSTEM IS COVERED PRIOR TO FINAL INSPECTION THE SYSTEM WILL NOT BE APPROVED.**
- The existing septic tank will be used for this repair.
- Check the existing septic tank to verify that baffles are in place on both the inlet and outlet ends of the septic. Install new baffles if necessary.
- Spray foam may **NOT** be used to seal around the septic tank inlet, septic tank outlet or around the crossover pipes. The crossover pipe must be secured to the 4” corrugated pipe with screws **and** duct tape.
- By pass the first existing field line with 3” or 4” Schedule 40 PVC and connect to the second existing field line as shown on the permit/site sketch.
- The outlet pipe from the septic tank must be long enough to rest on undisturbed earth. **Rule 0400-48-01-.07 (4)(a)**: *“The pipe size from the septic tank to the disposal field or to the dosing chamber shall not be less than three (3) inches in diameter (inside measurement) and shall be functionally equivalent to Schedule 40 PVC except when Rule 1200-02-06-.15 applies. **The pipe from the septic tank to the disposal field shall be of sufficient length to rest on undisturbed earth.**”* If the outlet pipe does not rest on undisturbed earth the system will not be approved and a \$100.00 re-inspection fee will be required.
- If the outlet pipe must cross any water line, make the crossing in accordance to:  
**Rule 0400-48-01-.07(4)(y)**: *Water lines shall not cross, pass through, or go under the subsurface sewage disposal field. Water lines may cross, but not be located in the same trench with, a tight line leading from a septic tank or dosing tank to a disposal field provided the water line is sleeved in a*

continuous twenty (20) feet section of Schedule 40 PVC pipe or equivalent (a minimum of ten (10) feet on either side of the tight line) and the water line is a minimum of one (1) foot vertically above the tight line.

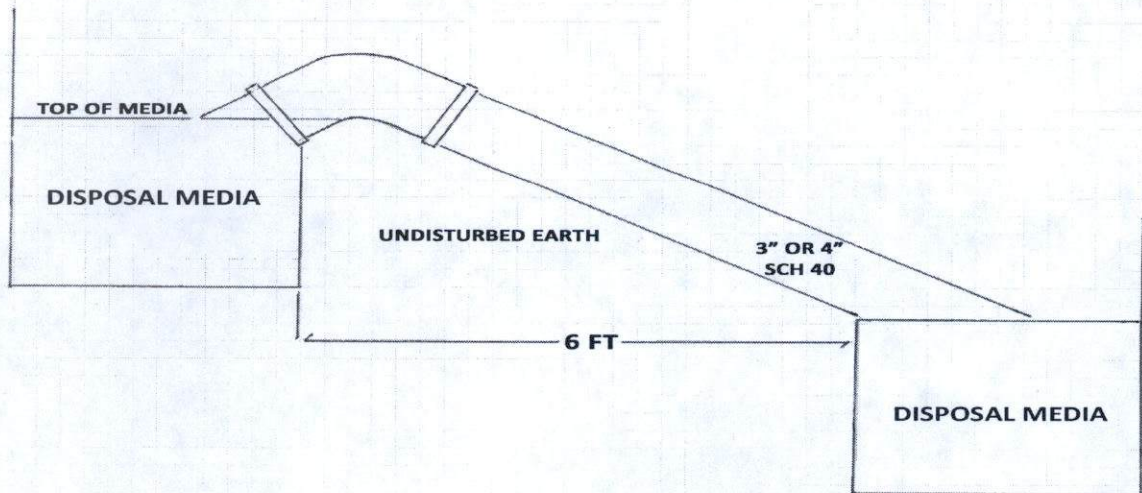
- USE THE PERMIT/SITE SKETCH TO LOCATE AND INSTALL THE FIELD LINES IN THE FIELD LINE AREA.
- AVOID BURNING BRUSH OVER THE AREA WHERE THE FIELD LINES WILL BE INSTALLED.
- AVOID USING THE AREA WHERE THE FIELD LINES WILL BE INSTALLED FOR PARKING OR STAGING BUILDING MATERIALS.
- Do not cross the existing field lines with the new field lines.
- Construct a new crossover from existing line 2 and install the new field line as shown on the permit/site sketch.
- Due to site/soil conditions a modified conventional (**gravel only**) system will need to be installed. Install as much of the shown footage as possible.
- Shoot grades and adjust field lines to contour of the ground.
- Install the field lines with a 22" trench depth and 12" of gravel (6" of gravel below the corrugated pipe and 2' of gravel above the corrugated pipe).
- A recirculating design may be used if all depth restrictions on the permit area adhered to.

**Rule 0400-48-01-.07 (3)(a):** "Recirculating Design – A recirculating design provides equal distribution of the effluent throughout the entire system by connecting successive trenches on both ends and by maintaining the grade in the bottom of these trenches from level to no more than four (4) inches. In this manner, the entire absorption area within the sewage system is utilized concurrently." If recirculating lines are not connected on both ends the system will not be approved and a \$100.00 re-inspection fee will be required.



- Install the field lines as shown in the cross-section of a field line trench.
- DO NOT EXCEED A 22" TRENCH DEPTH. Measure the field line trench depth on the down slope side of the trench.
- Install the field lines 10ft from water line, property lines, structures and other utilities.

- Install the field lines 25ft from natural drains, cut banks and man-made drains.
- Install the field lines 50ft from any well.
- All crossovers must be constructed according to **Rule 0400-48-01-.07 (4)(f)**: *“In constructing relief lines, care must be exercised to insure that an **undisturbed block of earth** remains between trenches. The trench for the relief pipe, where it connects with the preceding absorption trench, shall be dug no deeper than the top of the media. The **relief line shall rest on undisturbed earth** and backfill must be carefully tamped.....”*



- Use the diagram shown above as a guide to construct the crossovers. If the crossover pipe does not rest on undisturbed earth the system will not be approved and a \$100.00 re-inspection fee will be required.
- Divert all gutter downspouts away from the septic system.
- Conserve water to reduce the risk of overloading the new field lines.