

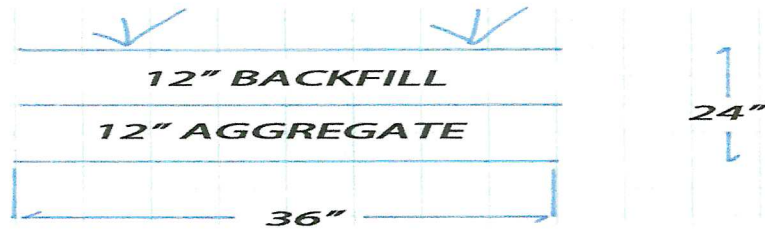
NAME: Wayne Allen
LOCATION: Martin Burgess Road
GPS LOCATION: 35.8378 -85.1715
PARCEL #: 170 006.01

137
Allens Way

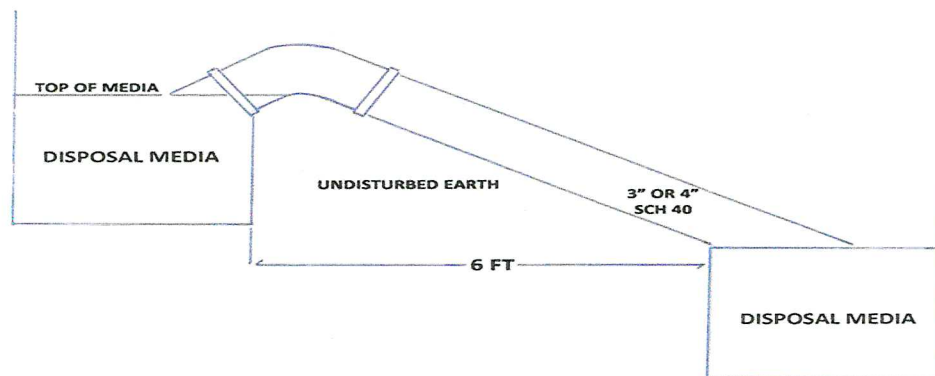
INSTALLATION NOTES:

- 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 permit is for a two-bedroom septic system to serve a structure without a basement. The excavation of a basement will void this permit and may reduce the number of bedrooms for which a permit may be issued.
- Locate the structure as shown on the permit/site sketch.
- The drive and utilities must not encroach into the area set aside to install and duplicate the SSDS.
- **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 septic tank **750 (gallons minimum)** must be set high enough to maintain gravity flow to the field lines and a maximum trench depth not to exceed 24".
- 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.
- The outlet pipe from the septic tank must be long enough to rest on undisturbed earth. **Rule 1200-01-06-.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.
- Both ends of the septic tank must be open when the final inspection is made so the baffles can be checked. If both baffles are not installed and/or if both ends of the septic tank are not open the system will not be approved and a \$100.00 re-inspection fee will be required.
- The septic tank size and manufacturer must be visible when the final inspection is made or the system will not be approved and a \$100.00 re-inspection fee will be required.

- Install the septic tank 10ft from water line and other utilities.
- Install the septic tank 15ft from natural drains, man-made drains and cut banks.
- Install the septic tank 50ft from any well.
- If the outlet pipe from the septic tank 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 PERMIT/SITE SKETCH TO AND LOCATE INSTALL THE FIELD LINES IN THE SUITABLE SOIL AREA.**
- **ANY CUTTING/FILLING OF THE AREA SET ASIDE TO INSTALL AND DUPLICATE THE SSDS WILL VOID THIS PERMIT AND MAY REDUCE THE NUMBER OF BEDROOMS FOR WHICH A PERMIT MAY BE ISSUED.**
- **AVOID USING THE AREA SET ASIDE TO INSTALL AND DUPLICATE THE SSDS FOR PARKING OR STAGING BUILDING MATERIALS.**
- **AVOID BURNING BRUSH OVER THE AREA THE AREA WHERE THE FIELD LINES WILL BE INSTALLED.**
- Due to site/soil conditions conventional substitute products are not eligible for reductions in footage.
- Shoot grades and adjust field lines to contour of the ground.
- A recirculating design may be used if all depth restrictions on the permit area adhered to. **Rule 1200-01-06-.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.

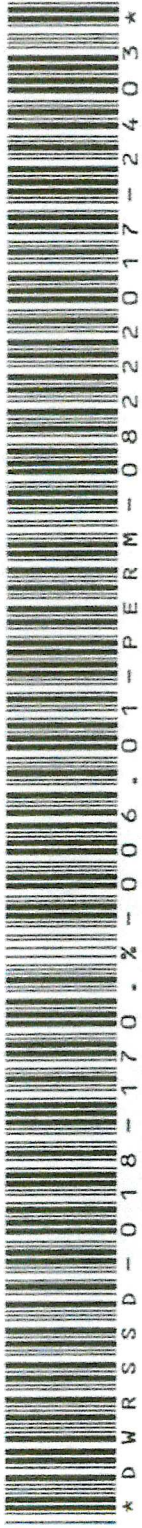


- Install the field lines as shown in the cross-section of a field line trench.
- **DO NOT EXCEED A 24" TRENCH DEPTH.** Measure the field line trench depth on the down slope side of the trench.
- Install the field lines 10ft from water line, property lines, structure and other utilities.
- Install the field lines 25ft from cut banks, man-made drains and natural drains.
- All crossovers must be constructed according to **Rule 1200-01-06-.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....."*

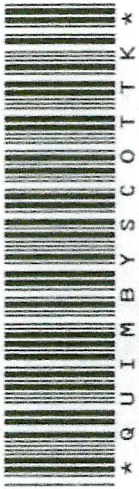


- Use the diagram shown above as a guide to construct the crossovers. If the crossover pipe does not rest on undisturbed earth the system will not be approved and a \$100.00 re-inspection fee will be required.
- Divert all gutter downspouts away from the septic system.
- Conserve water to reduce the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

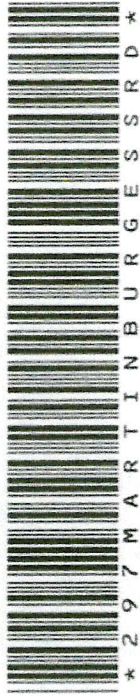
Primary Barcode:



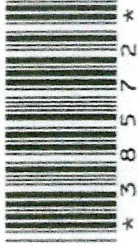
Property Owner:



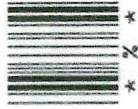
Street Address:



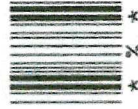
Zip Code:



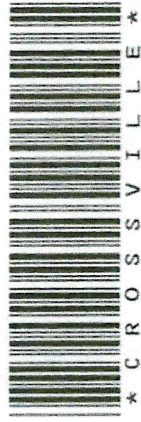
Subdivision:



Lot Number:



Nearest Town:



Hold for rails



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

137 Allens Way

1. SERVICE REQUESTED: (check service)	APPLICANT COMPLETE QUESTIONS:	FEES DUE	PTBMIS CODES V689 Code Supp/Code	
<input checked="" type="checkbox"/> Septic System Construction Permit				
<input checked="" type="checkbox"/> Dwelling	2, 3, 4, 7, 8, 9	\$ 200.00	78064	Yes
<input type="checkbox"/> Commercial: gpd	2, 3, 4, 7, 8, 9	\$	78064	Yes
<input type="checkbox"/> System Modification	2, 3, 4, 7, 8, 9	\$	78064	Yes
<input type="checkbox"/> Repair	2, 3, 4, 7, 8, 9	\$	78032	
<input type="checkbox"/> Inspection Letter	2, 3, 5, 7, 8, 9	\$	78030	
<input type="checkbox"/> Water Sample				
<input type="checkbox"/> Total Coliform	2, 3, 6, 7, 8, 9	\$	78036	Yes
<input type="checkbox"/> Fecal Coliform	2, 3, 6, 7, 8, 9	\$	78038	Yes
<input type="checkbox"/> Alternative System Permit*		\$	78068	
<input type="checkbox"/> Large Conventional System Plan Review*		\$	78090	
<input type="checkbox"/> Large Alternative System Plan Review*		\$	78090	
<input type="checkbox"/> Experimental System Plan Review*		\$	78072	
<input type="checkbox"/> Subdivision Evaluation: Lots: _____		\$	78084	
<input type="checkbox"/> Soil Mapping: Type _____ Acres _____		\$		Yes
<input type="checkbox"/> Installer Permit: Type(s) _____		\$	78026	Yes
<input type="checkbox"/> Pumper Permit*		\$	78028	
<input type="checkbox"/> Plat Approval - Individual Lot		\$	78029	
<input type="checkbox"/> Domestic Septage Disposal Site Permit		\$	78031	

*Applicant may review these service requests with Environmental Specialist prior to processing application.

2. LANDOWNER: Names: ANDREW REXFORD APPLICANT Name: Home Insulation ORIGINAL OWNER Name: _____
 Address: 4407 FLYNN'S COVE Address: _____
CROSSVILLE, TN
 Day Phone: 931-260-5789 Day Phone: 931-707-0442

3. LOCATION OF LOT OR SITE: a) In a subdivision? _____ b) Name: _____ Lot # _____
 b) Non-Subdivision Give specific directions and address to the lot or site: LANTANA Rd South to FLYNN'S COVE Rd.

4. FOR SSDS PERMIT ONLY: a) Size of lot 20 ACRES b) Number of Bedrooms 2 Garage with full Bath.
 c) How many occupants? _____ d) Excavated Basement? Yes _____ No _____
 e) Basement Plumbing Fixtures? Yes _____ No X
 f) Amount of water used monthly (gallons) _____
 g) Water Supply: Public X Well X Spring _____
 h) Is the lot staked? NO If not, date it will be staked: AUG 30th
 Is the house staked? NO If not, date it will be staked: will call
 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 waste water "backing up" into plumbing fixtures? _____ Surfacing on the ground? _____
 f) All waste water 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 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: 8-18-05 SIGNATURE: [Signature] AMOUNT PAID: \$ 200.00 RECEIPT NUMBER: 310579
 White: File Canary: Owner ck. 5040
VE

drawings coming

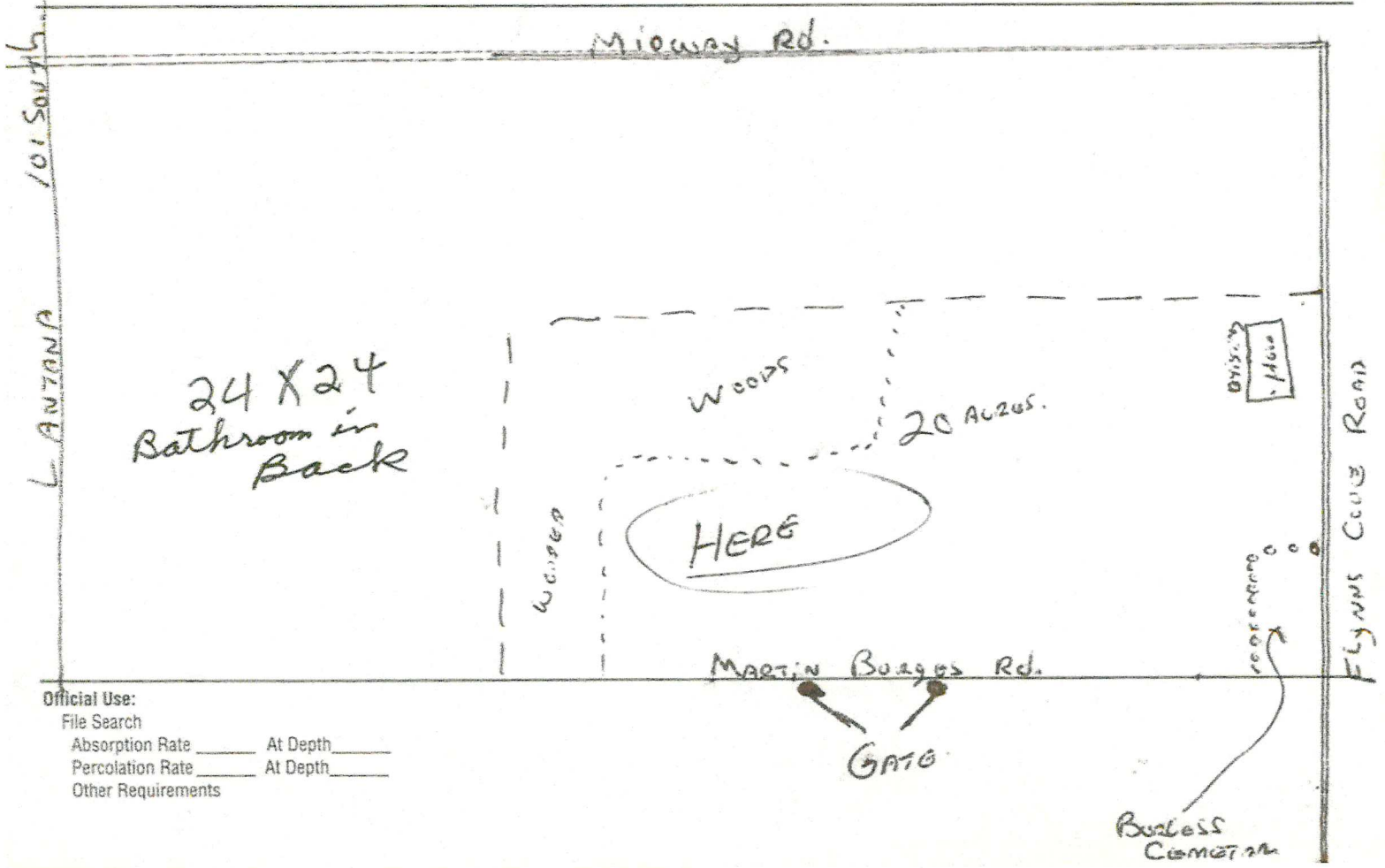
FEE SCHEDULE

137 Allens Way

PTBMS
SUPP/CODE

Evaluation for Conventional, LDGP or Chamber Septic System Permit	\$200.00 up to 1000 gpd	
	\$100.00 for each additional 1000 gpd or portion thereof	78066
Repair	\$None	
Inspection Letter	\$200.00	
Subdivision Evaluation	\$ 40.00 per lot	
Water Samples:		
Total Coliform	\$ 50.00	78036P
Fecal Coliform	\$ 100.00	78036P
Soil Mapping:		
General Intensity	\$ 80.00 per acre — \$ 80.00 minimum	78078
High Intensity	\$130.00 per acre — \$130.00 minimum	78040
Extra High Intensity	\$200.00 per acre — \$200.00 minimum	78042
(Minimum is for each separate acre or part of acre to be mapped)		
Alternative System Application Processing	\$300.00 up to 1000 gpd	78071
	\$150.00 for each additional 1000 gpm or portion thereof	78070
Large Conventional or Large Alternative Plan Review	\$600.00 per proposed system	
Experimental System Application Processing	\$500.00	
Pumper Permit	\$200.00	
Installer Permit	\$200.00 for conventional, LDGP and chamber \$100.00 for each alternative system	78080
Plat Approval — Individual Lots	\$ 40.00 per lot	78029
Domestic Septage Disposal Site Permit	\$400.00	78031

SKETCH



Official Use:

File Search
 Absorption Rate _____ At Depth _____
 Percolation Rate _____ At Depth _____
 Other Requirements

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF GROUND WATER PROTECTION

PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: <u>Rexford Andrew</u> Owner, Developer, Contractor, Installer, Etc.	Evaluation Based Upon: <input checked="" 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 type="checkbox"/> 3. Environmental Specialist	Type of System: <input checked="" type="checkbox"/> 1. Conventional <input type="checkbox"/> 2. Low Pressure Pipe <input type="checkbox"/> 3. Mound <input type="checkbox"/> 4. Lagoon <input type="checkbox"/> 5. Large Diameter Graveless Pipe <input type="checkbox"/> a. Sand backfill required <input type="checkbox"/> 6. Other
Location: <u>off Martin Burgers</u> <u>Allens Way</u>	Estimated Absorption Rate: <u>30</u> MPI	
Installation: <input checked="" type="checkbox"/> 1. New Installation <input type="checkbox"/> 2. Repair to Existing System	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 type="checkbox"/> (k) Grandfather clause — meets June 30, 1990 standards (repair only) <input checked="" type="checkbox"/> Other: <u>regs</u>
Establishment: <input checked="" type="checkbox"/> Residential: # Bedrooms <u>2</u> <input type="checkbox"/> 2. Other: _____ (specify) Gal/Day _____		

This system shall consist of a two compartment septic tank holding 750-1000 gallons, with 170 linear feet in 2-3 trenches, 36 inches wide and 24 inches deep. (Depth of gravel: 12 inches)

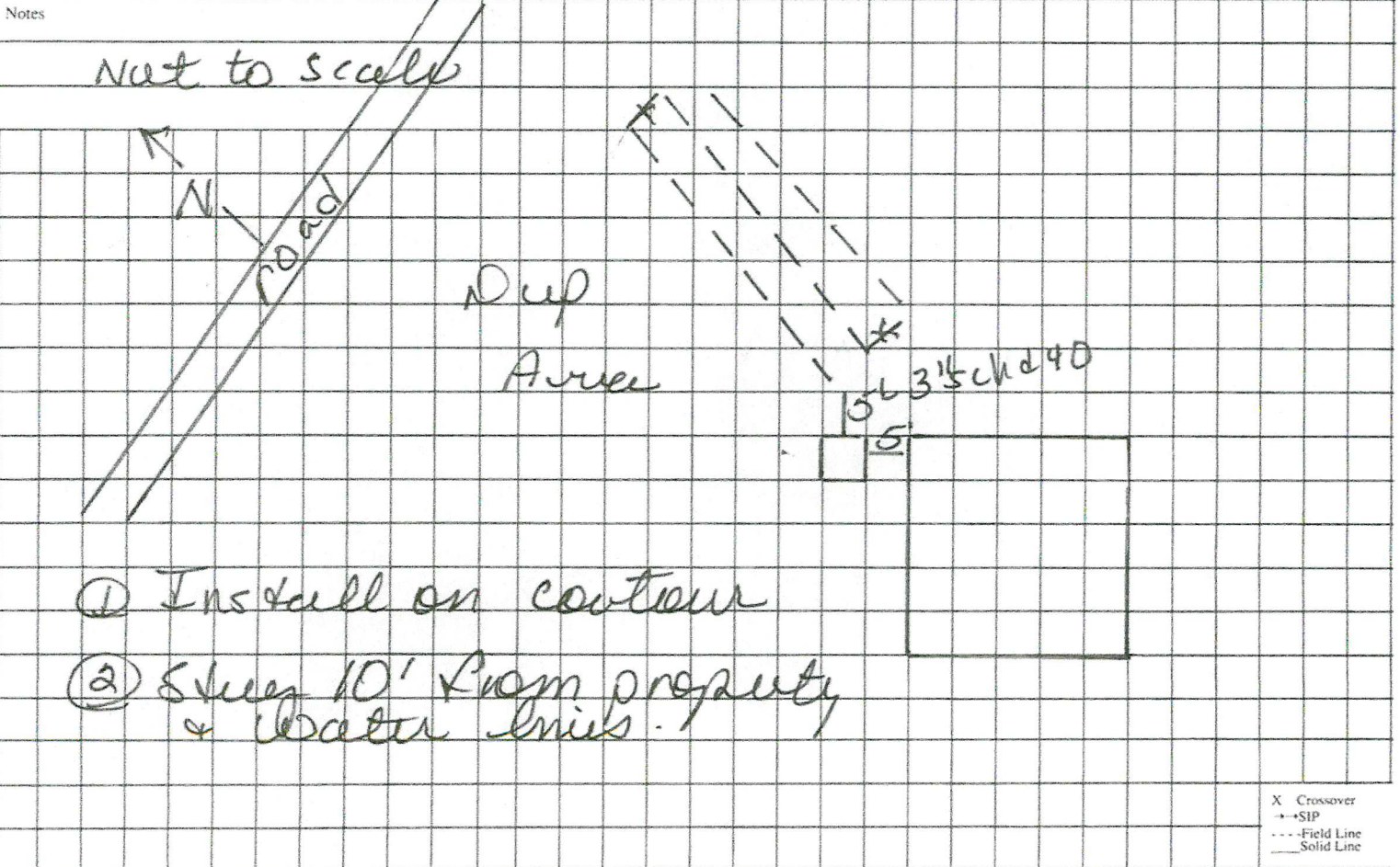
Also required:
 1. Soil Improvement Practice (SIP)
 2. Flow Diversion Valve
 3. Sewage Pump
 4. Other: _____

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

The recipient of this permit agrees to construct or have constructed the above described system in accordance with T.C.A. 68-221-401 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 conditions on the aforementioned property after this day may render this approval null and void.

X Angie Pfeiffer (Signature of Recipient) Date 10-7-05
 Issued at Crossville Tennessee, in Cumberland County
 By J. J. Veripp Esq III (Name and Title) Date 10/4/05 (Date of Issue)

This permit is valid for 3 years from 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.





CERTIFICATE OF COMPLETION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: Rexford, Andrew
Owner, Developer, Contractor, Installer, Etc.

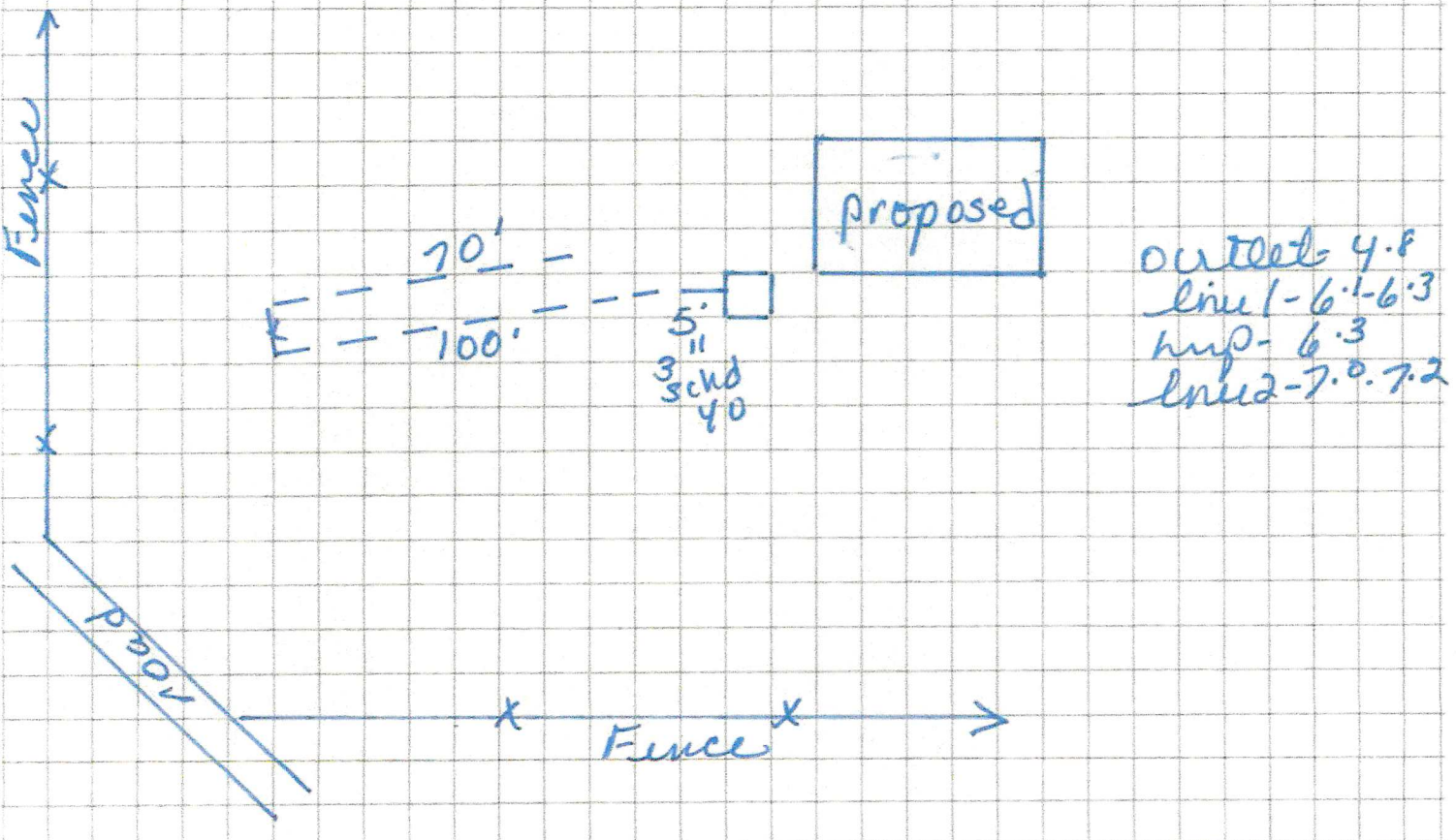
Location: by Martin Burgers
137 Ailens Way

Not to scale

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
Temp 1000 Septic Tank
(type) (volume)
Estimated Absorption Rate 30
(minutes per inch)
 New Installation Repair Other
Installed by: D. Burgers

170' total

← N



Construction Approved By: [Signature] (Name and Title) 10/6/06 (date)

SOILS & ENVIRONMENTAL SERVICES

319 CENTRAL AVENUE, CROSSVILLE, TN 38555

PHONE : (931)484-8554 ; FAX : (931)484-8554

COUNTY : Cumberland DATE : 9/22/05

JOB DESCRIPTION: HIGH INTENSITY SOIL MAP

LOCATION: Martin Burgess Road off Flynn's Cove Road
For Andy Rexford

ANY CUTTING OR FILLING WILL VOID THIS SOIL MAP SOILS SCIENTIST DATE

Douglas W. Davis 9/22/05

Andrew K. Brown &/or Douglas W. Davis
The signature of the Soil Scientist does not constitute approval by the Dept. of Env. & Cons.

Note: **RED** over **GREEN** or **RED** over **YELLOW**, the subsurface sewage lines should be restricted to a depth indicated on the soils map. Lines installed at a greater depth may have a +75 m.p.i. rate.

The use of colors on soil maps are to show the estimated absorption rates of soils minutes per inch.

RED over GREEN	15 through 60 minutes per inch (when rate is not assigned use rate in soils chart)
RED over YELLOW	61-75 minutes per inch (use 75 rate when m.p.i. is not assigned)
RED	>75 minutes per inch (may be due to absorption rates greater than 75 minutes per inch , drainage , depth , slopes , fill material or non soils).

Note: Hold a minimum of 25 feet setback from the center of a two dot drain and hold a minimum of 15 feet setback from center of a one dot drain , unless other-wise noted.

LEGEND

-  SINKHOLE
-  POND
-  DEPRESSION
-  SPRING
-  DRAINAGE WAY
-  ROCK OUTCROP



N

SCALE:

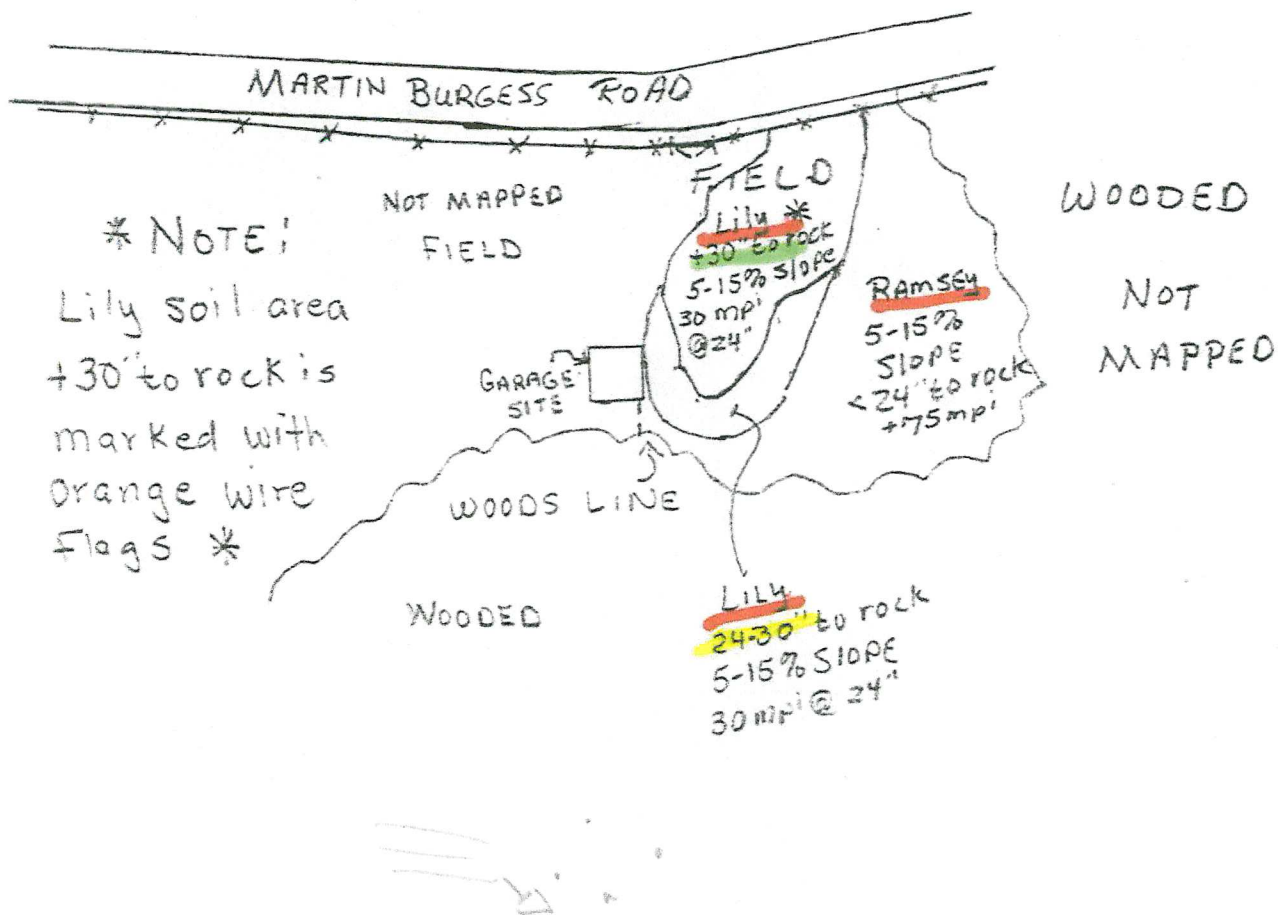
1"=100'

Soils & Environmental Services
319 Central Avenue
Crossville, TN 38555
Phone & fax (931)484-8554
e-mail: soilmap@frontiernet.net

Soils & Environmental Services

HIGH INTENSITY SOIL MAP

ANDY REXFORD
MARTIN BURGESS ROAD
OFF Flynns Cove Road
(137 Allens Way)



* NOTE:
Lily soil area
+30' to rock is
marked with
orange wire
Flags *