

PERMIT FOR CONSTRUCTION OF SUBSURFACE SEWAGE DISPOSAL SYSTEM

Issued to: Elsie Barnwell
Owner, Developer, Contractor, Installer, Etc.

To be constructed by: J. C. Edwards
(Installer)

Construction of a subsurface sewage disposal system is hereby authorized at:

RT 2 (127N)
(No. and street; Subdivision name and lot no.)

Such a system shall consist of a septic tank of 750 gals,
with 200 linear feet in 8 trenches,
36 inches wide, and 24 deep
or _____

REGION <u>4</u>	COUNTY <u>18</u>	ID-NUMBER	DATE <u>7-15-77</u>
STAFF <u>004</u>	INSTALLATION: ☒ 1. New Installation () 2. Repair to Existing System		
Type of System: ☒ 1. Standard () 3. Chapter 301 () 2. Alternating () 4. Other			
For: ☒ 1. Residential: No. B/R <u>2 Mobile Home</u> () 2. Commercial/Industrial; Gal/Day _____			
Evaluation based Upon: () 1. Soil Typing by Soil Scientist () 2. Soil Percolation Tests ☒ 3. Other			
Permeability Rate <u>30 min</u>			

The recipient of this permit agrees to construct or have constructed the system in accordance with the rules and regulations under the authority of TCA 53-2054. The recipient must notify the local health authority when the system is ready for inspection. If any part of system is covered before being inspected and approved, it shall be uncovered by the recipient of the permit at the direction of the local health authority.

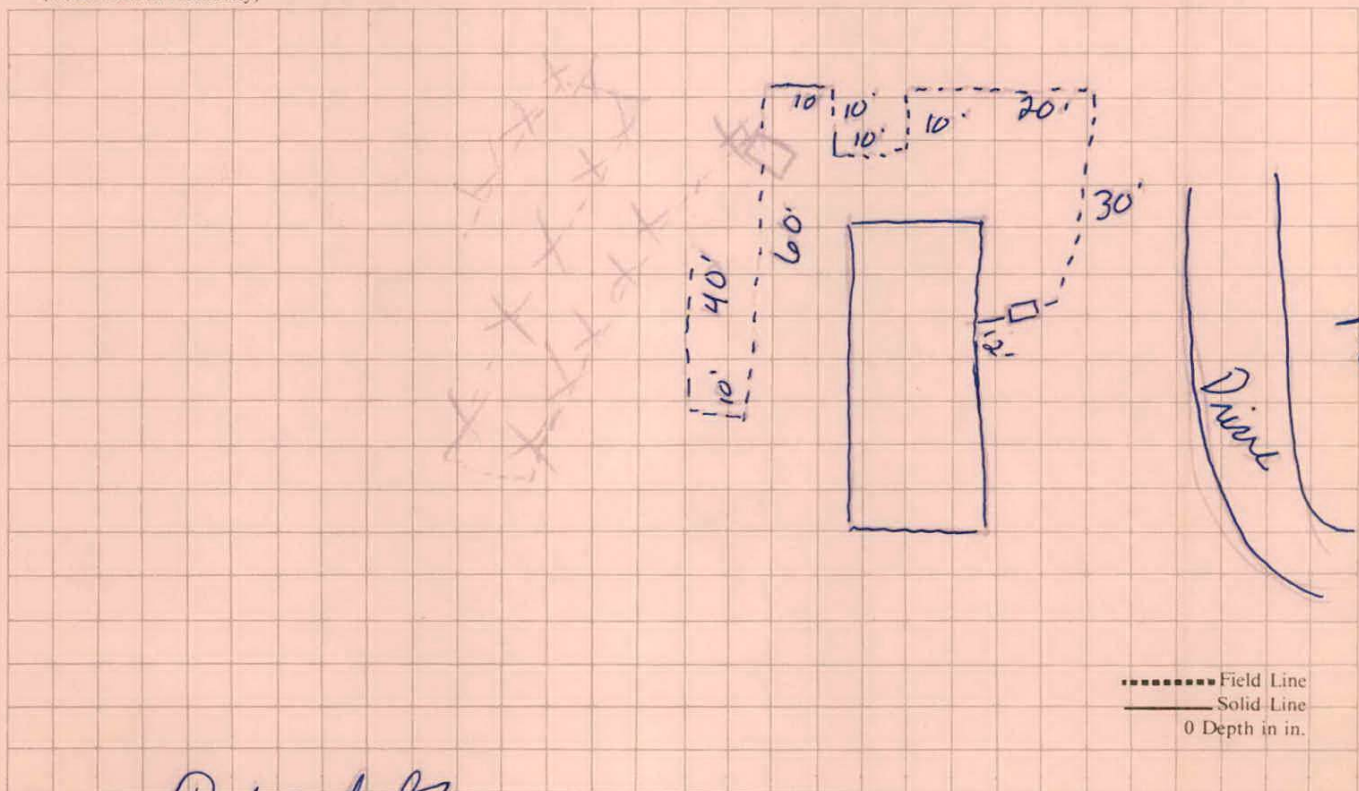
X Herchel Barnwell
(Signature of Recipient-Owner, Developer, Contractor, Etc.)

Date 7-15-77

Issued at Crossville, Tennessee in the County of _____

By C. Welch
(Local Health Authority)

Date 7-15-77



Inspected By C. Welch

Date 7-20-77

Construction Approval: ☒ 1. Yes () 2. No

No. of Visits: 2

Time

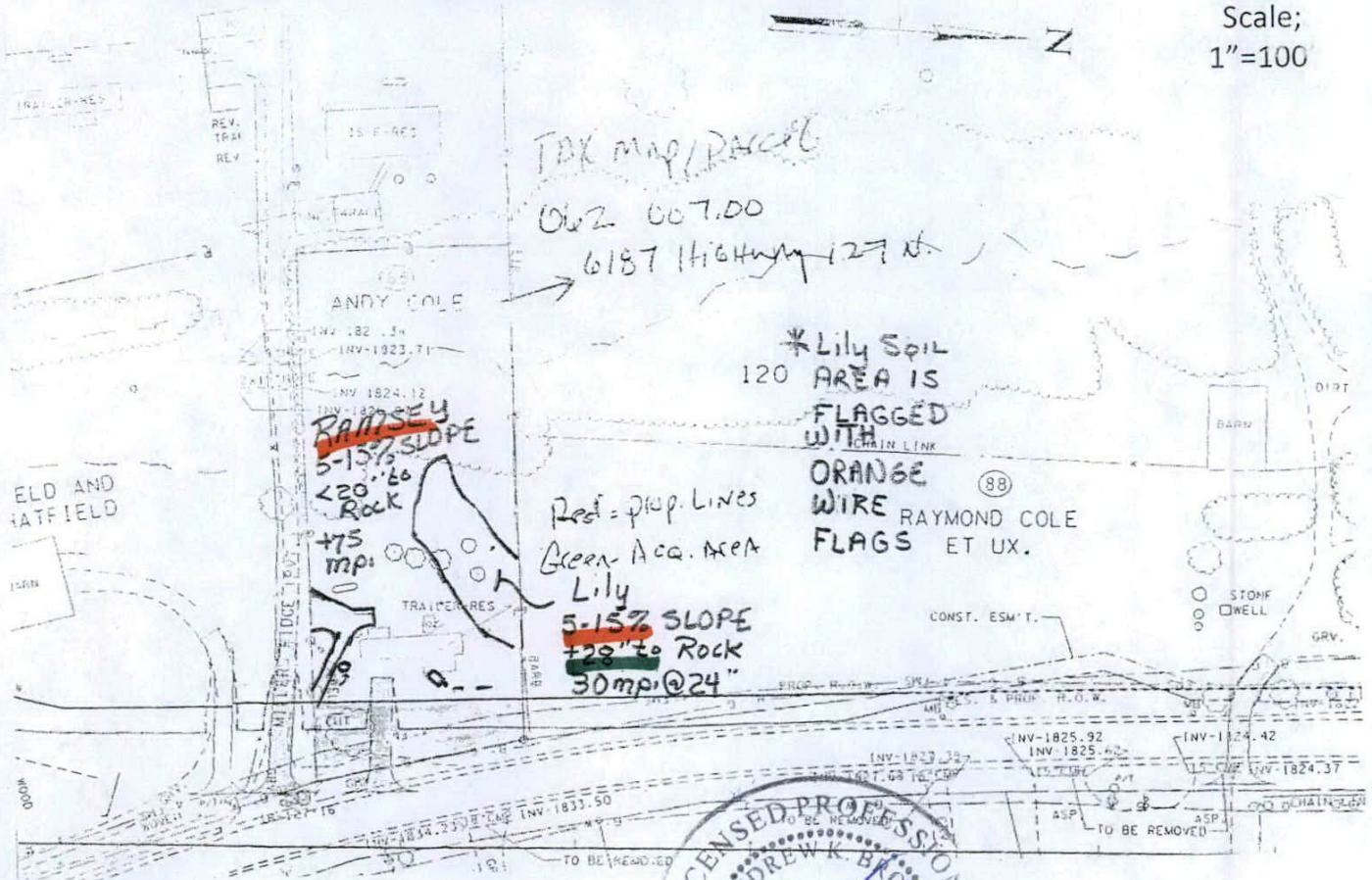
High Intensity Soil Map

Location: Cumberland County: 6187 Highway 127 North

¾ Acre Tract: Andy Cole Property



Scale;
1"=100'



319 Central Avenue
Crossville, TN 38555
Phone: 931-484-8554
E-mail:
soilmap@frontiernet.net

Soil Scientist:
Andrew K. Brown License # 16 or
Douglas W. Davis License # 34

Date

9/23/15

Signature of Soil Scientist does not constitute
approval by Tennessee Department of Environment
& Conservation Waste Water Division

SOILS & ENVIRONMENTAL SERVICES

9/23/2015

Milton A. Hixon Jr.
October 6, 2015
Page 2

Site evaluation and requirements for a new SSDS:

Your property was found to contain a minimum of 2400 square feet of soil area which is:

X Acceptable and has an estimated absorption rate of 30 minutes per inch (mpi).

 Acceptable as a result of percolation tests with an absorption rate of mpi.

The soils area requirements for a new installation with the same number of bedrooms or the same daily flow requirements as the existing structure with a 30 mpi rated soil is approximately 4500 square feet. This amount allows for the installation of an initial SSDS and provides reserve area of equal size for future repairs.

A search of our files indicates:

X The SSDS was inspected and approved by a representative of this Department. The system was designed for 2 bedrooms using an estimated absorption rate of 30 mpi or a percolation rate of mpi.

 The SSDS was inspected and disapproved by a representative of this Department.

 No record of the site evaluation could be found.

 No record of the SSDS construction or approval could be found.

 The site was evaluated on and determined unfavorable for subsurface sewage disposal.

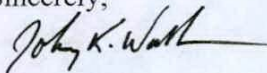
 A repair was attempted to the SSDS on . These modifications do do not meet the minimum standards of this Department.

Remarks:

This lot may be further evaluated with an extra high intensity soil map.

If you have any questions or comments concerning the contents of this letter or requests for services, please feel free to contact Brian Houston, the local Water Resources representative at (931) 484-8025.

Sincerely,



Johnny K. Walker
Environmental Program Manager
Division of Water Resources

cc: Brian Houston, Environmental Consultant
Cumberland County Department of Environment and Conservation



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources

1221 South Willow Avenue
Cookeville, Tennessee 38506

Phone (931) 432-4015

Statewide 1-888-891-8332

Fax (931) 432-6952

Tennessee Department of Transportation Evaluation Response
Residential Property

October 30, 2015

CERTIFIED MAIL 91 7108 2133 3939 2429 0200
RETURN RECEIPT REQUESTED

Andy Cole
1691 Sparta Hwy Apt. 101
Crossville, TN 38555

Re: TDOT Project Number 18008-2221-14 STP/NH 28(31)

Dear Mr. Hixson:

Your property identified on map 062 as parcel 007.00 in Cumberland County was evaluated on September 30, 2015 and the following observations were made:

Land acquisition for the referenced TDOT project appears to impact:

- ☒ The existing subsurface sewage disposal system (SSDS).
☒ Adequate acceptable soils area to allow the installation of a properly sized SSDS is available. A reserve area ☒ is ☐ is not available.
☐ Inadequate acceptable soils area exist, therefore, a SSDS permit can not be issued
☐ Reserve area for the existing SSDS.

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

- ☒ There was no evidence of sewage or effluent outcropping to the ground surface.
☐ Sewage or effluent from the SSDS was outcropping to the ground surface.
☐ Adequate acceptable soils area to allow the installation of a SSD is available. A reserve area ☐ is ☐ is not available.
☐ A repair permit can be issued in accordance with Rule 1200-1-6-.05 (3) of the Regulations To Govern Subsurface Sewage Disposal Systems even-though adequate acceptable soils area may not exist.
☐ A repair SSDS permit can not be issued.
☐ The house appears vacant; therefore, the performance of the SSDS, when typically loaded, cannot be realistically evaluated.

Mr. Andy Cole
November 10, 2015
Page 2

- ☐ A repair SSDS permit can not be issued.
☐ The house appears vacant; therefore, the performance of the SSDS, when typically loaded, cannot be realistically evaluated.

Site evaluation and requirements for a new SSDS:

Your property was found to contain a minimum of 2400 square feet of soil area which is:

- ☒ Acceptable and has an estimated absorption rate of 30 minutes per inch (mpi).
☐ Acceptable as a result of percolation tests with an absorption rate of mpi.

The soils area requirements for a new installation with the same number of bedrooms or the same daily flow requirements as the existing structure with a 30 mpi rated soil is approximately 4500 square feet. This amount allows for the installation of an initial SSDS and provides reserve area of equal size for future repairs.

A search of our files indicates:

- ☒ The SSDS was inspected and approved by a representative of this Department. The system was designed for 2 bedrooms using an estimated absorption rate of 30 mpi or a percolation rate of mpi.
☐ The SSDS was inspected and disapproved by a representative of this Department.
☐ No record of the site evaluation could be found.
☐ No record of the SSDS construction or approval could be found.
☐ The site was evaluated on and determined unfavorable for subsurface sewage disposal.
☐ A repair was attempted to the SSDS on . These modifications do do not meet the minimum standards of this Department.

Remarks:

This lot may be further evaluated with an extra high intensity soil map.

If you have any questions or comments concerning the contents of this letter or requests for services, please feel free to contact me, Brian Houston, the local Water Resources representative at (931) 484-8025.

Sincerely,



Johnny K. Walker
Environmental Program Manager
Division of Water Resources

cc: Cumberland County Department of Environment and Conservation



STATE OF TENNESSEE
TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
COOKEVILLE ENVIRONMENTAL FIELD OFFICE
1221 SOUTH WILLOW AVENUE
COOKEVILLE, TENNESSEE 38506
PHONE (931) 432-4015 STATEWIDE 1-888-891-8332 FAX (931) 432-6952

Tennessee Department of Transportation Evaluation Response
Residential Property

November 10, 2015

CERTIFIED MAIL 91 7199 9991 7032 8098 4502
RETURN RECEIPT REQUESTED

Mr. Andy Cole
1691 Sparta Hwy Apt. 101
Crossville, TN 38555

Re: TDOT Project number 18008-2221-14 STP/NH 28(31)

Dear Mr. Cole:

Your property identified on map 062 as parcel 007.00 in Cumberland County was evaluated on September 30, 2015 and the following observations were made:

Land acquisition for the referenced TDOT project appears to impact:

- ☒ The existing subsurface sewage disposal system (SSDS).
☒ Adequate acceptable soils area to allow the installation of a properly sized SSDS to serve a one bedroom structure is available.
A reserve area ☒ is ☐ is not available.
☐ Inadequate acceptable soils area exist, therefore, a SSDS permit can not be issued
☐ Reserve area for the existing SSDS.

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

- ☒ There was no evidence of sewage or effluent outcropping to the ground surface.
☐ Sewage or effluent from the SSDS was outcropping to the ground surface.
☐ Adequate acceptable soils area to allow the installation of a SSD is available. A reserve area ☐ is ☐ is not available.
☐ A repair permit can be issued in accordance with Rule 1200-1-6-.05 (3) of the Regulations To Govern Subsurface Sewage Disposal Systems even-though adequate acceptable soils area may not exist.



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources

1221 South Willow Avenue
Cookeville, Tennessee 38506
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IMPROVED LOT

October 30, 2015

Amy Cooper – TDOT
7345 Region Lane
Knoxville, TN 37914

Re: 6187 Hwy 127 North

Dear Ms. Cooper:

The following information is submitted for your review in regards to the impact on the Subsurface Sewage Disposal System (SSDS) at the above location owned by Andy Cole, due to TDOT Project Number 18008-2221-14 STP/NH 28(31) in Cumberland County. Please review these documents and address comments or questions to Brian Houston at the above location. Unless there is no further correspondence from you by November 29, 2015, I will mail the certified letters to the property owner. Permits to modify / repair the SSDS will be released to the owner / agent at your direction to this office.

☒ Copy of Evaluation Response checklist letter to property owner (Certified)

☒ Copy of Permit For Construction of Subsurface Sewage Disposal System

☐ LETTER OF PERMIT DENIAL (Certified)

If you have any questions or comments concerning the contents of this letter or requests for services, please feel free to contact Brian Houston, the local Water Resources representative at (931) 484-8025.

Sincerely,

Johnny K. Walker
Environmental Program Manager
Division of Water Resources



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

1. SERVICE REQUESTED: (check service)	APPLICANT COMPLETE QUESTIONS:	FEES DUE	PTBMIS CODES V689 Code Supp/Code
☐ 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
☐ Repair	2, 3, 4, 7, 8, 9	\$	
☒ Inspection Letter	2, 3, 5, 7, 8, 9	\$	78030
☐ Certificate of Verification	2, 3, 5, 7, 8, 9	\$	78032 Yes
☐ Water Sample:			
☐ Total Coliform	2, 3, 6, 7, 8, 9	\$	78036 Yes
☐ Fecal Coliform	2, 3, 6, 7, 8, 9	\$	78038 Yes
☐ Alternative System Permit*		\$	78068
☐ Large Conventional System Plan Review*		\$	78090
☐ Large Alternative System Plan Review*		\$	78090
☐ Experimental System Plan Review*		\$	78072
☐ Subdivision Evaluation: Lots:		\$	78084
☐ Soil Mapping: Type Acres		\$	
☐ Installer Permit: Type(s)		\$	78026 Yes
☐ Pumper Permit*		\$	78028
☐ Plat Approval - Individual Lot		\$	78029
☐ Domestic Septage Disposal Site Permit		\$	78031

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

2. **LANDOWNER** Names: ANDY COLE **APPLICANT** Name: TDOT **ORIGINAL OWNER** Name: _____
Address: 1691 SPARTA HWY, APT 101 Address: 7345 RAIN LANE
6 CROSSVILLE, TN KNOXVILLE TN 37914
Day Phone: 38555 Day Phone: 865-594-2490 MAP - 002
PARCEL - 007.00
3. **LOCATION OF LOT OR SITE:** a) In a subdivision? NO b) Name: _____ Lot # _____
b) Non-Subdivision ☒ Give specific directions and address to the lot or site: 6187 HWY 127 NORTH
4. **FOR SSDS PERMIT ONLY:** a) Size of lot _____ b) Number of Bedrooms _____
c) How many occupants? _____ 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? NO 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: 6-19-2015 SIGNATURE: Andy Cole AMOUNT PAID: \$ _____ RECEIPT NUMBER: _____

Brian Houston

From: Brian Houston
Sent: Wednesday, October 14, 2015 9:02 AM
To: Amy M. Cooper
Subject: 5017 Hwy 127 North - (Cumberland Co.)
Attachments: 2171_001.pdf

Amy,

Here are the letters Mr. Hixson's property located at 5017 Hwy 127 North.

There was only enough suitable soil on Mr. Cole's property located at 6187 Hwy 127 North to install and duplicate a septic system to serve a one bedroom structure. This property may be further evaluated with an extra high intensity soil map but at best you might be able to get a two bedroom low pressure pipe system depending on how much suitable soil area the extra high intensity soil map shows.

I will send you the copies of the letter as soon as I get them.

Thanks,
Brian Houston
TDEC – Division of Water Resources
(931) 484-8025