



Protecting You and Your Environment

Bedford County/City Health Department  
 PO Box 148  
 Bedford, VA 24523  
 (540) 586-7952 Voice  
 (540) 586-7991-Fax

## Septic Tank - Soil Absorption System Construction Permit

Health Department ID Number: 109-07-0264

<b>Owner / Agent Information</b>	
Owner: Overstreet, Jerry 1081 Quarter Horse Road Goodview, VA 24095 Owner Phone: (540) 890-6812	
<b>Location Information</b>	
Subdivision: Hunters Knoll , Lot 9 Property Address: Lot 9 Hunters Knoll Drive Locality: Bedford County Directions: 122 S, R on 655, L on 616, R on 757 ( Goodview Road) , L Into Hunters Knoll Subdivision, to Culdesac, Lot 10 on R <div style="text-align: right;">Tax Map: 207-21-9</div>	
<b>General Information</b>	
System Type: septic tank effluent and drainfield Type of Property: Residential AOSE Subdivision - Permit Approval Based Upon Site Evaluation, SOils Evaluation and Septic System Design Completed by Steve Thomas, AOSE#012, ThomasEnviroSoil, Inc.	Daily Flow: 450 gallons Number of Bedrooms: 3 maximum
<b>Sewer Line</b>	<b>Distribution Box Information</b>
3" or 4" Sch. 40 PVC or equivalent (cleanouts required at 50' to 60' intervals)	No. of Boxes: 1 No. of Outlets: 10
<b>Conveyance Line / Force Main Information</b>	<b>Header Line Information</b>
Method: Gravity Distribution Box Material: Minimum crush strength 1500# Pipe Diameter: 4" Minimum Slope: 6" per 100' (only for non-pump)	ASTM F405 pipe or better (1500 # crush or equivalent) Minimum slope 2" per 100'
<b>Septic Tank - Inlet Outlet Structure</b>	<b>Percolation Lines and Absorption Area</b>
Capacity: 1000 gallons The inlet structure shall be 1-2 inches higher than the outlet structure and shall extend 6-8 inches below and 6-10 inches above the normal liquid level. The outlet structure shall extend 35-40% below the normal liquid level and 8-10 inches above the normal liquid level. To comply with the maintenance requirements of 12 VAC 5-610-817 the septic tank must be provided with one of the following three options: 1) Inspection port, 2) Effluent filter, 3) Reduced maintenance tank	Slope: 2-4" per 100' Percolation Lines: 4" diameter Center to Center Spacing: 11" Installation Depth: 48" Depth of Aggregate: 13", Size of Aggregate: 0.5-1.5" Total Number of Laterals: 5 Laterals to be 65' long, x 3' wide Install 975 Square Feet Total 0% Reserve Area Required for Future Repairs
<b>Please Note:</b> AOSE Subdivision - Permit Approval Based Upon Site Evaluation, SOils Evaluation and Septic System Design Completed by Steve Thomas, AOSE#012, ThomasEnviroSoil, Inc.	

**Construction Drawing HD ID #: 109-07-0264**

<b>Owner Information</b>	
Overstreet, Jerry 1081 Quarter Horse Road Goodview, VA 24095	Phone: (540) 890-6812

<b>Construction Drawing</b>
Schematic drawing of sewage disposal system and topographic features. See Construction Drawing

This sewage disposal system construction permit is null and void if conditions are changed from those shown on the application or construction permit. No part of any installation may be covered or used until inspected, corrections made if necessary and the system is approved. The inspection will normally be made by the system designer, who may be an AOSE, PE, or EHS. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon direction of the Department or the system designer.

System Design By: Todd Fowler-EHS, AOSE: Steven K. Thomas ; Site Evaluation By: AOSE: Steven K. Thomas

  
Todd Fowler

April 20, 2007  
Issue Date

October 20, 2008  
Expiration Date

- Mark All Utilities Prior to Excavation (Miss Utility 1-800-552-7001)
- Install 1,000 Gallon (minimum) Septic Tank (3BR – 450 GPD)

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- **Keep D.F. Trenches on Contour!!!**
- Install Trenches under Dry Conditions
- **Surface of Ground over Drainfield Must be Lower than the Lowest Plumbing Fixture or a Pump System will be Required**
- **Have Surveyor Clearly Mark Property Lines to Confirm that Conveyance Line and Drainfield Trenches are Installed within the Lot Boundaries**
- Install Septic Tank, Splitter Boxes and Distribution Box Shallow (18 inches to 24 inches Maximum Cover)
- Cleanouts are Required in Every 50 FT of Sewer Line. Cleanouts are to be Brought to the Ground Surface
- Keep Septic Tank, D-Box, and D.F. Trenches 20ft Minimum from Basement, 10ft from any Foundations and 5ft from any Property Line.
- **Keep Driveway and Vehicular Traffic Off Septic Tank and D-Box**
- Driveway and Parking Area **Shall Not Be Constructed on the Drainfield Area Unless the Bottom of the Drainfield Trenches are Deeper than 43-Inches Below the Ground Surface** and the Driveway or Parking Area is Paved with Concrete or Bituminous (Asphalt) Pavement to Prevent Compaction of the Trench Bottom.
- Keep Septic Tank and D-Box 50ft Minimum from III-C Wells. Keep D.F. 100ft Minimum from III-C Wells and **Hand-Dug Wells**.
- Keep Septic Tank and D-Box 50ft Minimum from III-B Wells. Keep D.F. 50ft Minimum from III-B Wells.
- Keep Septic Tank, D-Box and Drainfield Trenches 200ft Minimum from any Developed Spring(s). Keep Septic Tank, D-Box and Drainfield Trenches 50ft Minimum from any Un-Developed Springs.

**Health Department ID 109-07-0264**

- **Do Not Connect Floor Drains to Sewer Line**

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- **Divert all Roof Drains and Footer Drains Away From Drainfield**
- **Remove all Hydrophilic (Water Loving) Trees (Maple, Gum, Cottonwood, Dogwood, and Willow) and Vegetation from within 10 ft of Drainfield Area**
- **Septic Tank Should Be Pumped Every 3 to 5 Years**



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**Private Well Construction Permit**  
Health Department ID Number: 109-07-0264

<b>Owner / Agent Information</b>
Owner: Overstreet, Jerry 1081 Quarter Horse Road Goodview, VA 24095 Owner Phone: (540) 890-6812

<b>Location Information</b>
Subdivision: Hunters Knoll , Lot 9 Property Address: Lot 9 Hunters Knoll Drive Tax Map: 207-21-9 Locality: Bedford County Directions: 122 S, R on 655, L on 616, R on 757 ( Goodview Road) , L into Hunters Knoll Subdivision, to Culdesac, Lot 10 on R

<b>General Information</b>
Well Class: Class IIIB Minimum Casing Depth: 50 feet Minimum Grout Depth: 50 feet

**Comments:**

- See Attached Construction Drawing and Specification Sheet
- Maintain All Minimum Setback Distances in Accordance with VDH Private Well Regulations
- Well is Located Less than 50 ft from the Proposed House Foundation. See Attached Termitte Treatment Letter of Compliance

This permit is issued based upon a site evaluation conducted by Todd Fowler, EHS on April 10, 2007. See following page for Construction Drawing.

**Notice:** The Virginia Department of Health may revoke or modify this permit if, at a later date, it finds the conditions that formed the basis for issuing the permit do not substantially comply with the *Private Well Regulations* , 12 VAC 5-630-10 et seq., or if the well would threaten public health or the environment.

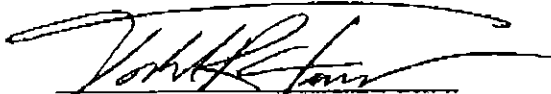
**Well Construction Permit -- Drawing**

**HD ID #: 109-07-0264**

<b>Owner Information</b>	
Overstreet, Jerry 1081 Quarter Horse Road Goodview, VA 24095	Phone: (540) 890-6812

<b>Construction Drawing</b> Scale drawing of the well site and related features. See Construction Drawing
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Construction Drawing shows the property lines, all existing and proposed structures, existing and proposed sewage systems and water supplies, slope, and any topographic features which may impact the design of the well.

  
Issued by: Todd Fowler

April 20, 2007  
Issue Date

October 20, 2008  
Expiration Date

### III-B Well Specifications

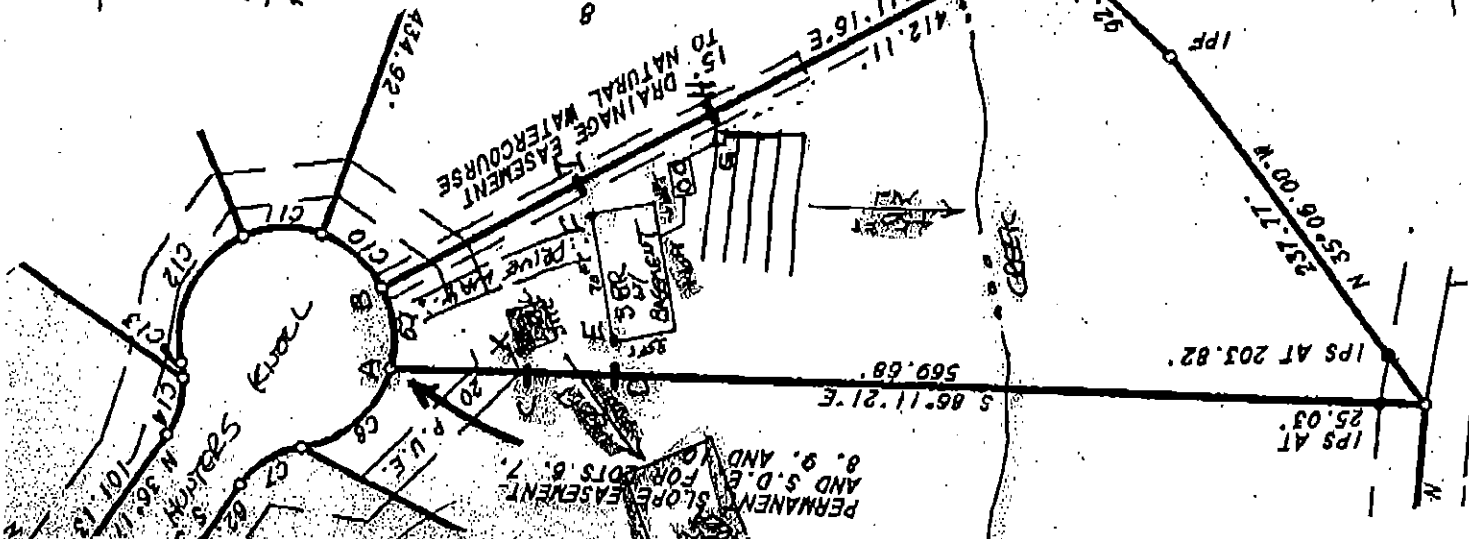
- **Mark All Utilities Prior to Drilling Well (Miss Utility 1-800-552-7001)**
- **Keep Well Outside of any Public Utility Easements (PUEs) and Drainage Easements**
- **Confirm that well location flagged in the field is in accordance with measured distances as shown on sketch**
- **Well Shall not be Located in Low Area or Drainage Way**
- **Class III-B Well to Be Cased to 50 FT Minimum and Grouted to 50 FT Minimum**
- **Maintain Setback Distances Between Well and the Following Structures and/or Topographic Features:**
  - **50 ft Minimum from Building Foundation**
  - **50 ft Minimum from Sewer Line**
  - **35ft Minimum from Sewer Main or Force Main (Pressure Tested)**
  - **50 ft Minimum from Septic Tank or Pretreatment Unit**
  - **50 ft Minimum from Drainfield, Underground Storage Tank (UST) or Other Sources of Contamination**
  - **50 ft Minimum from any Cemetery**
  - **50 ft Minimum from Stream (Recommended)**
- **This Permit is Valid for Drilling only one (1) Well. If Alternate Site is Desired, Contact Health Department for Approval (Prior to Drilling)**

**Schematic drawing of sewage disposal and/or water supply system and topographic features.**

Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system, including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design.

- SCALE 1" = 100 FT
- AC = 75 FT
- AD = 125 FT
- AE = 125 FT
- AX = 75 FT
- BE = 130 FT
- BF = 120 FT
- BG = 205 FT
- BH = 205 FT
- BI = 120 FT
- CX = 10 FT
- DE = 20 FT
- FI = 20 FT
- GH = 20 FT
- \* INSTALL ONE (1) III-B WELL IN DESIGNATED AREA.
- 50 FT CASING
- 50 FT GROUT
- \* KEEP DF OUT OF DRAINAGE EASEMENT
- \* INSTALL SEWAGE DISPOSAL SYSTEM
- (5) 65" TRENCHES X 5 FT
- 48" DEEP
- 15 FT CENTERS
- 1000 GALLON SEPTIC TANK
- (2) 36" DF TRENCHES



This sewage disposal system and/or water supply is to be constructed as specified by the permit or attached plans and specifications.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: 07/20/2007 Issued by: [Signature]  
 Sanitarian

Date: \_\_\_\_\_ Reviewed by: \_\_\_\_\_  
 Supervisory Sanitarian

This Construction Permit Valid until 10/20/2008

If FHA or VA financing

Reviewed by Date \_\_\_\_\_ Date \_\_\_\_\_  
 Supervisory Sanitarian Regional Sanitarian