

Subdivisions only

Commonwealth of Virginia

Application for: Sewage System Water Supply

Approval Requested: Certification Letter Sewage System Construction Permit Subdivision Other

1. Owner Name: Michael Gesling Phone#: Other#: 540-854-5633			
2. Mailing Address: 9337 Everona Rd Unionville Va. 22567			
3. AOSE Name: Virginia Soil & Septic, Inc.		Phone#: 540-832-1875 Fax#: 540-832-1875	
4. AOSE Address: 6088 Chestnut Lane, Gordonsville, Virginia 22942			
5. Site Address: 9337 Everona Road, Unionville, VA 22567			
6. Directions to the property (be specific): From Orange travel on Rte. 20 N, go approximately 8.2 miles, turn left on to Rte. 617 or Everona Road, go .7 of a mile, see property on east side of Rte 617.			
7. Tax Map#: 32-130	Subdivision:	Section/Block: N/A	Lot: 2
8. Dimension/Acreage of property: See attached survey plat or site plan. Other Property Identification:			

Sewage System

Type of approval: Applicants for new construction are advised to apply for a certification letter to determine if land is suitable for a sewage system and to then apply for a construction permit (valid for 18 months) only when ready to build. **Directions:** Check all that apply and note number of bedrooms.

Existing Construction: Repair Modification Expansion Replacement

Proposed Use: Single Family Home (# of Bdrms 3)

Multifamily Dwelling (Total # Bdrms) Other

Basement Yes No Fixtures in Basement? Yes No

Are any conditions proposed on this construction permit? Yes No If yes, check or describe all proposed conditions that apply: Reduced water flow, Limited capacity, Intermittent or seasonal use, Temporary use not to exceed one year, Other (describe)

Proposed Sewage Disposal Method

Primary

<input checked="" type="checkbox"/> Septic Tank Drainfield	<input type="checkbox"/> Pre-Treatment	<input type="checkbox"/> Drip, Mound or Pad	<input type="checkbox"/> Other
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Reserve

<input checked="" type="checkbox"/> Septic Tank Drainfield	<input type="checkbox"/> Pre-Treatment	<input type="checkbox"/> Drip, Mound or Pad	<input type="checkbox"/> Other
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Water Supply

Well: HIB IIC Water supply: Public or Private? Water supply: Existing or Proposed?

If proposed, is this a replacement well? Yes No Will the old well be abandoned? Yes No

Have any buildings within 100' of the proposed well been termite treated? Yes No N/A

All Applicants

Is this an AOSE/PE application? Yes No If yes, is the AOSE package attached? Yes No

In order for VDH to process your application you must attach a site sketch and plat of the property. The site sketch must show your property lines, actual and/or proposed buildings and the desired location of your well and/or sewage system. When the site evaluation is conducted the property lines, building location and the proposed well and sewage system sites must be clearly marked and the property sufficiently visible to see the topography, otherwise this application will be denied.

I give permission to the Virginia Department of Health (VDH) to enter onto the property described during normal business hours for the purpose of processing this application and to perform quality assurance checks of evaluation and designs certified by an Authorized Onsite Soil Evaluator (AOSE) or a Professional Engineer (PE) as necessary until a sewage disposal system has been constructed and approved.

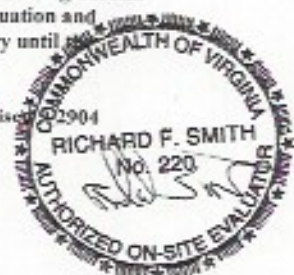
Michael S. Sedg

 Signature of Owner/Agent

5/01/06

 Date

AOSE Form D Revision 02904



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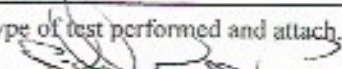
Primary & Reserve Area Soil Summary Report

The information presented in this submitted package represents the best available information as of the evaluation date. Due to the potential for subsequent events to negatively impact the recommendations made in this packet it is our firm's very strong recommendation to submit this documentation to the local VDH for approval as soon as it is received by the client. Failure to do so may render the information contained in this package void. Virginia Soil & Septic, Inc., as well as certifying individuals, accepts no liability for subsequent events that occur after the date of this evaluation.

General Information

Date: 4/21/05	Submitted to: Orange County Health Department		
Applicant Name: Michael Gesling	Telephone #: 540-854-5633		
Applicant Address: 9337 Everona Rd Unionville Va. 22567			
Owner Name: Same as above	Address: Same as above		
Directions to Property: From Orange travel on Rte. 20 N, go approximately 8.2 miles, turn left on to Rte. 617 or Everona Road, go .7 of a mile, see property on east side of Rte 617.			
TM#: 32-130	Subdivision: N/A	Block/Section: N/A	Lot: 2

Soil Information Summary

1. Position in landscape satisfactory? <input checked="" type="checkbox"/> Yes; Side Slope <input type="checkbox"/> No
2. Slope: 7-8%.
3. Depth to rock or impervious strata: <input type="checkbox"/> Max. <input type="checkbox"/> Min. <input checked="" type="checkbox"/> None
4. Depth to seasonal water table (gray mottling or gray color)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Number of Inches:
5. Free water present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Range in Inches:
6. Soil percolation rate estimated Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Texture Group <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/> IV Estimated rate: Min/inch: 65
*All Applicable regulations as well as the specific soil and site conditions (including the trench sidewalls) were taken into account when the estimated percolation rate was assigned.
7. Permeability test performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, note type of test performed and attach. Name & title of evaluator: Richard F. Smith, AOSE Signature: 

Site Approval/Disapproval

<input checked="" type="checkbox"/> Site Approved: Drainfield to be placed at 40" depth at site designated on Permit. If required, reserve drain field to be placed at 40" depth at site as designated on Permit.
<input type="checkbox"/> Site Disapproved: Reasons for rejection: 1. <input type="checkbox"/> Position in landscape subject to flooding or periodic saturation. 2. <input type="checkbox"/> Insufficient depth of suitable soil over hard rock 3. <input type="checkbox"/> Insufficient depth of suitable soil to seasonable water table. 4. <input type="checkbox"/> Rates of absorption too slow. 5. <input type="checkbox"/> Insufficient area of acceptable soil for required drain field, and/or Reverse Area. 6. <input type="checkbox"/> Proposed system too close to well. 7. <input type="checkbox"/> Other Specify
(attach additional pages if necessary)



Primary & Reserve Profile Description Soil Evaluation Report RE: TM # 32-130

Where the local VDH conducts the soil evaluation, the location of profile holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch of the area investigated including all structural features, i.e., sewage disposal systems, wells, etc., within 100 feet of site (see section 4) and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached to this packet.

See application sketch page See construction permit See sketch attached to this packet
 Date of Evaluation: 3/31/06 Health Department Identification # _____

Backhoe Pits

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	Ap	0-8	Light Brownish Grey, Loam, 10YR, 6/2	II
	B1	8-24	Brownish Yellow, Light Clay Loam, 10YR, 6/6	III
	B2	24-45	Brownish Yellow, Clay Loam, 10YR, 6/8	III
	Bc	45-60	Brownish Yellow, Clay Loam to Light Clay Loam, 10YR 6/8	III
2	Ap	0-10	Light Brownish Grey, Loam, 10YR, 6/2	II
	B	10-22	Brownish Yellow, Clay Loam, 10YR, 6/6	III
	Bc	22-60	Brownish Yellow, Heavy Clay Loam to Silty Clay Loam, 10YR, 6/8	III
3	Ap	0-9	Light Brownish Grey, Loam, 10YR, 6/2	II
	B	9-32	Brownish Yellow, Light Clay Loam, 10YR, 6/8	III
	Bc	32-60	Brownish Yellow, Clay Loam, 10YR, 6/6	III
4	Ap	0-9	Light Brownish Grey, Loam, 10YR, 6/2	II
	B	9-30	Gravelly Brownish Yellow, Clay Loam, 10YR, 6/6	III
	Bc	30-60	Brownish Yellow, Clay Loam to Silty Clay Loam, 10YR, 6/6	III
5	Ap	0-9	Light Brownish Grey, Loam, 10YR, 6/2	II
	B1	9-19	Brownish Yellow, Light Clay Loam, 10YR, 6/6	III
	B2	19-32	Brownish Yellow, Clay Loam, 10YR, 6/8	III
	Bc	32-60	Brownish Yellow, Clay Loam to Silty Clay Loam, 10YR, 6/8	III

Remarks: Primary area installation is conventional. Reserve area installation is conventional.



Primary Abbreviated Design Form

TM#: 32-130

This form is for use with gravity and pump drain fields, enhanced flow systems and low pressure distribution systems when applying for a certification letter or subdivision approval. To the best of our knowledge and belief, this site complies with all local and state ordinances such as the CBPA. (Reserve area calculations are shown on a separate abbreviated design form later in this packet.)

Design Basis	Data
A. Estimated Percolation Rate (minutes per inch)	65
B. Recommended trench bottom sq. feet required per bedroom From Table 4.6 based on <input checked="" type="checkbox"/> Gravity <input type="checkbox"/> LPD <input type="checkbox"/> Sq. Ft. required, PuraFlo/Advantex loading rate = 's gpd./sq ft.	496
C. Number of bedrooms	3

Area calculations	Data
D. Length of trench (across slope)	100'
E. Length of available area (across slope)	100'
F. Width of trench	3'
G. Number of trenches	6'
H. Center to center spacing	9'
I. Width required	48'
J. Total width of available area (Includes area allocated for reserve.)	100'
K. Total sq. foot required	1488
L. Square footage in design	1800
M. Is a reserve area required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
N. Percent of reserve required	100%
O. Percent of reserve available	121%

Remarks: Primary area installation is conventional.



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Reserve Abbreviated Design Form

TM#: 32-130

This form is for use with gravity and pump drain fields, enhanced flow systems and low pressure distribution systems when applying for a certification letter or subdivision approval. To the best of our knowledge and belief, this site complies with all local and state ordinances such as the CBPA.

Design Basis	Data
A. Estimated Percolation Rate (minutes per inch)	65
B. Recommended trench bottom sq. feet required per bedroom From Table 4.6 based on <input checked="" type="checkbox"/> Gravity <input type="checkbox"/> LPD <input type="checkbox"/> Sq. Ft. required, PuraFlo/Advantex loading rate = 's gpd/sq ft.	496
C. Number of bedrooms	3

Area calculations	Data
D. Length of trench (across slope)	100'
E. Length of available area (across slope)	100'
F. Width of trench	3'
G. Number of trenches	6'
H. Center to center spacing	9'
I. Width required	48'
J. Total width of available area (Includes area allocated for reserve.)	100'
K. Total sq. foot required	1488
L. Square footage in design	1800
M. Is a reserve area required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
N. Percent of reserve required	100%
O. Percent of reserve available	121%

Remarks: Reserve area installation is Conventional.



APPROXIMATE LOCATION OF
EXISTING DRAINFIELD. NO
RECORDS ON FILE AT ORANGE
COUNTY HEALTH DEPARTMENT

5.467 AC.

1

BARN



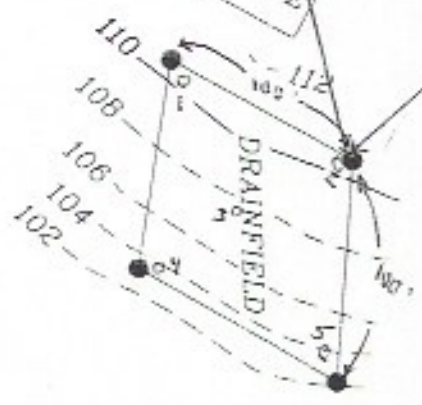
HAY BARN



WELL



HOUSE



DRAINFIELD

BRANCH (TYP)

12.090 AC.

2



Virginia Soil & Septic, Inc.

Site Sketch

CLIENT: Michael S. Gesling	SCALE: 1" = 100'
Subdivision: N/A	Profile borings = O
County: Orange	House site = [H]
Tax Map #: 32-130	Well site = [W]

On & off site features noted within 200 feet of proposed drain field and well areas are shown.

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Certification Statement


County: ORANGE

Property Identification: TM#: 32-130, Lot 2

Submitted by: Richard F. Smith, A.O.S.E. 220

This is to certify according to subsection 32.1-163.5 of the Code of Virginia that work submitted for the referenced property is in accordance to and complied with the Sewage Handling and Disposal Regulation of the Virginia Department of Health.

I recommend a Subdivision
 Certification Letter
 Sewage System Construction Permit
be APPROVED.

AOSE: Richard F. Smith, A.O.S.E. 220 Signature: 

Date: 4/21/06

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