

AUTHORIZED ONSITE SOIL EVALUATORS (AOSEs) P.O. Box 418 Ruckersville, VA 22968  
Jack McClelland/AOSE #098 (540) 948-7170 Tom Hogge/AOSE #240 (434) 985-2780

# AOSE/PE Report for

Subdivision Approval 1

Location of property: Lot 12 Section     , Subdivision Fairhill Estates, Albemarle County  
GPIN or Tax Map #       
Latitude/Longitude     

Applicant or Client and address: David Mitchell/Southern Classic  
Po Box 248  
Crozet, VA 22932  
Prepared by AOSE/PE (name and address):  
Tom Hogge - AOSE 240  
Po Box 418  
Ruckersville, VA 22968

Date of Report: 7/31/07 AOSE/PE Job Number:      (optional)  
Revision Date:     ,      Health Dept. ID. No.:     

Contents/Index of this report:  
1-Cover  
2-Soil Summary  
34-Soil Descr.  
5-site Sketch  
6-Abbrev. Design

### Certification Statement(s)<sup>3</sup>

I hereby certify that the evaluations and/or designs contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC5-610), the Private Well Regulations (12 VAC5-615), and other applicable policies of the Virginia Department of Health. Furthermore, I certify that my evaluation and/or design contained herein complies with all applicable laws, regulations, and policies implemented by the Virginia Department of Health.

I recommend a Subdivision <sup>4</sup> be Approved <sup>5</sup>  
Approval



<sup>1</sup> Insert appropriate title: "Construction Permit", "Subdivision Approval", "Certification Letter"  
<sup>2</sup> Examples include: "Soil Information Summary", "Soil Profile Descriptions", "Water Supply Design Specifications", "Primary/Reserve Design Specifications", "Construction Drawings", "Site Sketch", "Product Specification Sheet"  
<sup>3</sup> PE work is regulated by the Department of Professional and Occupational Regulation. This section is considered optional for PEs.  
<sup>4</sup> Fill in this blank with the appropriate term: "certification letter", "construction permit", or "subdivision approval"  
<sup>5</sup> Fill in this blank with the appropriate term: "approved", or "denied"



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**Soil Evaluation Report  
FAIRHILL ESTATES  
Lot 12  
Albemarle County, VA**

<b>Owner:</b>	Southern Classic, David Mitchell		<b>Phone:</b>	(434) 566-8299			
<b>Mailing Address:</b>	PO Box 248		<b>Phone:</b>				
	Crozet, VA 22932		<b>Fax:</b>				
<b>Agent:</b>	Blue Ridge Soil Consulting, Inc.		<b>Phone:</b>	(434) 985 - 2780			
<b>Mailing Address:</b>	P.O. Box 418		<b>Phone:</b>	(540) 948 - 7170			
	Ruckersville, VA 22968		<b>Fax:</b>	(434) 990 - 8367			
<b>Site Address:</b>			<b>Email:</b>				
<b>Directions to Property:</b>	From Charlottesville, take Rt. 250 West towards Crozet. Go about 1/2 mile past Rt, 240 turnoff and RR overpass and turn right on Fairhill.						
<b>Subdivision:</b>	Fairhill Estates	<b>Section:</b>	-	<b>Block:</b>	-	<b>Lot:</b>	12
<b>Tax Map:</b>		<b>Other Property Identification:</b>	-	<b>Dimension/Acreage of Property:</b>	2.38		

**Soil Information Summary**

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- Position in landscape satisfactory? Yes  No   
Describe: Sideslope
- Slope 19%
- Depth to Rock or impervious strata: Max. 60"+ Min. 60"+
- Depth to seasonal water table (gray mottling or gray color): No  Yes  Inches
- Free water present: No  Yes  range in inches  
Yes  Texture Group I  II  III  IV   
No  Estimated rate 55 min/inch
- Soil percolation rate estimated? Yes  No
- Permeability test performed Yes  No

If yes, note type of test performed and attach

Soil Profile Descriptions  
 Fairhill Estates  
 Lot 12

Backhoe Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-6	Ap	7.5 YR 4/4 brown light clay loam	3
	6-22	Bt	2.5 YR 4/8 red to 5 YR 4/6 yellowish red medium to heavy clay loam	3
	22-39	BC	5 YR 5/8 yellowish red light clay loam with several angular schist fragments	3
	39-60	C	Friable sandy clay loam saprolite, 5 YR 4/6 yellowish red variegated with 10 YR 8/1 white and 2.5 Y 4/2 dark grayish brown, all from parent	2
2	0-8	Ap	10 YR 5/4 yellowish brown light clay loam	2
	8-36	Bt	5 YR 5/8 yellowish red clay loam	3
	36-46	BC	5 YR 5/8 yellowish red clay loam with 7.5 YR 6/6 reddish yellow from parent; fair subangular blocky	3
	46-60	C	10 YR 5/4 yellowish brown friable silt loam saprolite, common fine mica	3
3	0-10	Ap	7.5 YR 4/6 strong brown loam to light clay loam	2/3
	10-40	Bt	5 YR 4/6 yellowish red clay loam	3
	40-60	BC	7.5 YR 4/6 strong brown sandy clay loam, friable, saprolite, with 10 YR 8/6 yellow and 10 YR 4/1 gray from parent	2



Soil Profile Descriptions, Continued

4	0-6	Ap	10 YR 5/4 yellowish brown loam	2
	6-31	Bt	7.5 YR 4/6 strong brown clay loam	3
	31-60	C	Light, friable sandy clay loam saprolite, 2.5 Y 5/4 light olive brown variegated with 7.5 YR 5/8 strong brown and 10 YR 8/1 white, all from parent	2
5	0-4	A	10 YR 4/4 dark yellowish brown loam	2
	4-60	C	10 YR 5/6 yellowish brown friable loam saprolite, variegated with 10 YR 8/1 white and 10 YR 6/6 brownish yellow, weathered from granitic gneiss	3



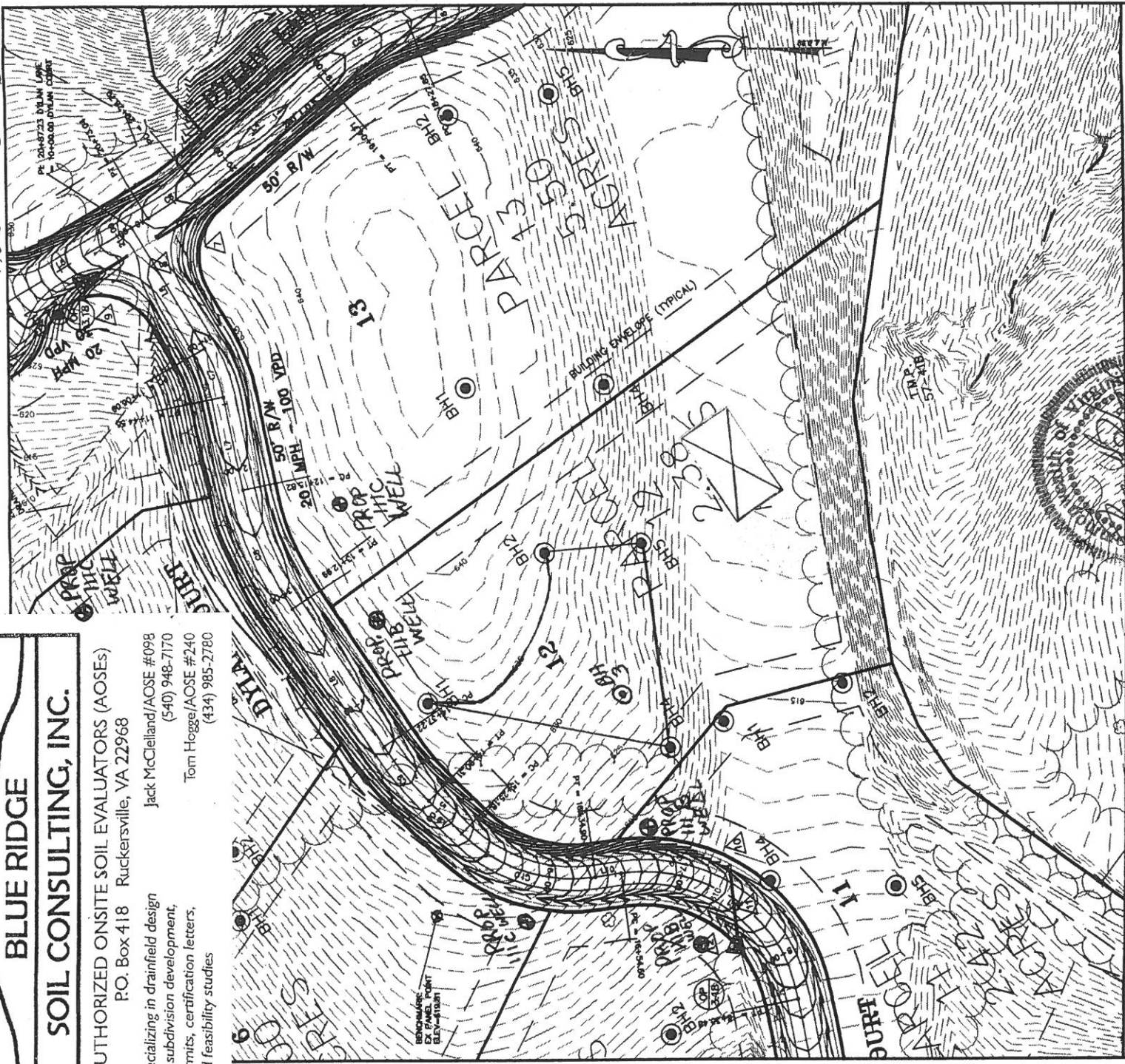
**BLUE RIDGE  
SOIL CONSULTING, INC.**

AUTHORIZED ONSITE SOIL EVALUATORS (AOSEs)  
P.O. Box 418 Ruckersville, VA 22968

Specializing in drainfield design  
for subdivision development,  
permits, certification letters,  
and feasibility studies

Jack McClelland/AOSE #098  
(540) 948-7170  
Tom Hogge/AOSE #240  
(434) 985-2780


PAGE 5 OF 6



PROJECT # 20060711
DATE: APRIL 17, 2007
SCALE: 1" = 100'
DRAWN BY: BCM
APPROVED BY:

NOTES:  
REVISED 7-19-07

Seal: COMMONWEALTH OF VIRGINIA  
Thomas G. Hogge  
7/31/07  
AOSE # 240



**TOWNES**  
SITE ENGINEERING  
9850 Lori Road, Suite 201  
Chesterfield, Virginia 23832  
Phone: (804) 748-9011 Fax: (804) 748-2590  
Email: townes@cttownes.com

**DRAINFIELD LOCATION**  
LOT # 12  
FAIRHILL ESTATES SUBDIVISION  
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form  
 Fairhill Estates  
 Lot 12

**Design Basis**

- A. Estimated Percolation Rate (minutes per inch) 55 @ 42"
- B. Trench bottom square feet Required per bedroom (from Table 5.4) based on (X) Gravity \_\_\_ LPD \_\_\_ other 412
- C. Number of bedrooms 4



**Area Calculations**

- D. Length of trench (ft.) 75
- E. Length of available area (ft.) 155 (Primary and reserve)
- F. Width of trench (ft.) 3
- G. Number of trenches 8 (Primary)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 73
- J. Width of available area (ft.) 75-186
- K. Total square footage required 1648
- L. Square Footage in design 1800
- M. Is a reserve area required? Yes (100% Reserve is provided)