

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 11 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

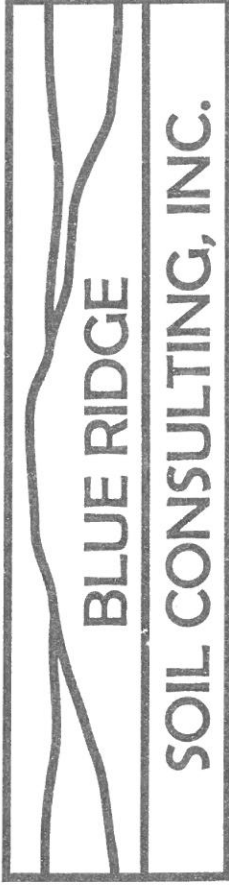
Date of Report: 7/31/07 AOSE/PE Job Number: (optional)
 Revision Date: , Health Dept. ID. No.:

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

Certification Statement(s)³
 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 Subdivision⁴ be Approved⁵
Approval



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



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**Soil Evaluation Report
FAIRHILL ESTATES
Lot 11
Albemarle County, VA**

Owner:	David Mitchell c/o Southern Classic, Inc.	Phone:	(434) 823 - 7610
Mailing Address:	P.O. Box 248	Phone:	
	Crozet, VA 22932	Fax:	(434) 823 - 7645
Agent:	Blue Ridge Soil Consulting, Inc.	Phone:	(434) 985 - 2780
Mailing Address:	P.O. Box 418	Phone:	(540) 948 - 7170
	Ruckersville, VA 22968	Fax:	(434) 990 - 8367
Site Address:	Email:		
Directions to Property:	From Charlottesville, take Rt. 250 west past Rt. 250/Rt. 240 intersection. Property is on the right at Fairhill Lane		
Subdivision:	Fairhill Estates	Section:	
Tax Map:		Block:	11
	Other Property Identification:	Dimension/Acreage of Property:	2.42 Acres



Soil Information Summary

- Position in landscape satisfactory? Yes No
Describe: Sideslope
- Slope: 15 %
- Depth to Rock or impervious strata: Max. 60"+ Min. 40"+
- Depth to seasonal water table (gray mottling or gray color): No Yes Inches
- Free water present: No Yes range in inches
- Soil percolation rate estimated? Yes No Texture Group I II III IV
Estimated rate 45 min/inch
- Permeability test performed Yes No

If yes, note type of test performed and attach

Soil Profile Descriptions
 Fairhill Estates
 Lot 11

Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-6	Ap	10YR/4/6 Dark Yellowish Brown very light Sandy Clay Loam/Sandy Loam	2
	6-60	C	10YR/5/6 Yellowish Brown Sandy Loam saprolite (granitic gneiss), variegated with 10YR/6/8 Brownish Yellow and 10YR/8/1 White (parent), friable	2
			PIT TERMINATED AT 60"	

2	0-4	Ap	10YR/4/3 Brown very light Sandy Clay Loam/Sandy Loam	2
	4-11	CB	5YR/4/6 Yellowish Red light Sandy Clay Loam/Sandy Loam, variegated with 7.5YR/6/8 Reddish Yellow and 10YR/5/8 Yellowish Brown	2
	11-60	C	10YR/5/6 Yellowish Brown Sandy Loam saprolite (granitic gneiss), variegated with 10YR/6/8 Brownish Yellow and 10YR/8/1 White (parent)	2
			PIT TERMINATED AT 60"	

3	0-4	Ap	10YR/4/3 Brown very light Sandy Clay Loam/Sandy Loam	2
	4-9	CB	5YR/4/6 Yellowish Red light Sandy Clay Loam/Sandy Loam, variegated with 7.5YR/6/8 Reddish Yellow and 10YR/5/8 Yellowish Brown	2
	9-40	C	10YR/5/6 Yellowish Brown Sandy Loam saprolite (granitic gneiss), variegated with 10YR/6/8 Brownish Yellow and 10YR/8/1 White (parent)	2
	40	Cr	BUCKET REFUSAL AT 40"	



Soil Profile Descriptions, Continued

4	0-4	Ap	10YR/4/3 Brown Sandy Loam	2
	4-42	CB	5YR/4/6 Yellowish Red light Sandy Clay Loam, variegated with 7.5YR/6/8 Reddish Yellow and 10YR/7/8 Yellow (parent), friable	2
	42-60	C	7.5YR/6/8 Reddish Yellow Sandy Loam saprolite (granitic gneiss), variegated with 10YR/6/8 Brownish Yellow and 10YR/8/1 White (parent), dense	2
			PIT TERMINATED AT 60"	

5	0-3	Ap	10YR/4/3 Brown Sandy Loam	2
	3-15	BC	5YR/5/6 Yellowish Red light-medium Sandy Clay Loam, slightly variegated with 5YR/7/8 Reddish Yellow and 7.5YR/4/6 Strong Brown (parent)	2
	15-55	C	7.5YR/6/8 Reddish Yellow Sandy Loam saprolite (granitic gneiss), variegated with 10YR/6/8 Brownish Yellow and 10YR/8/1 White (parent), dense	2
			PIT TERMINATED AT 55"	

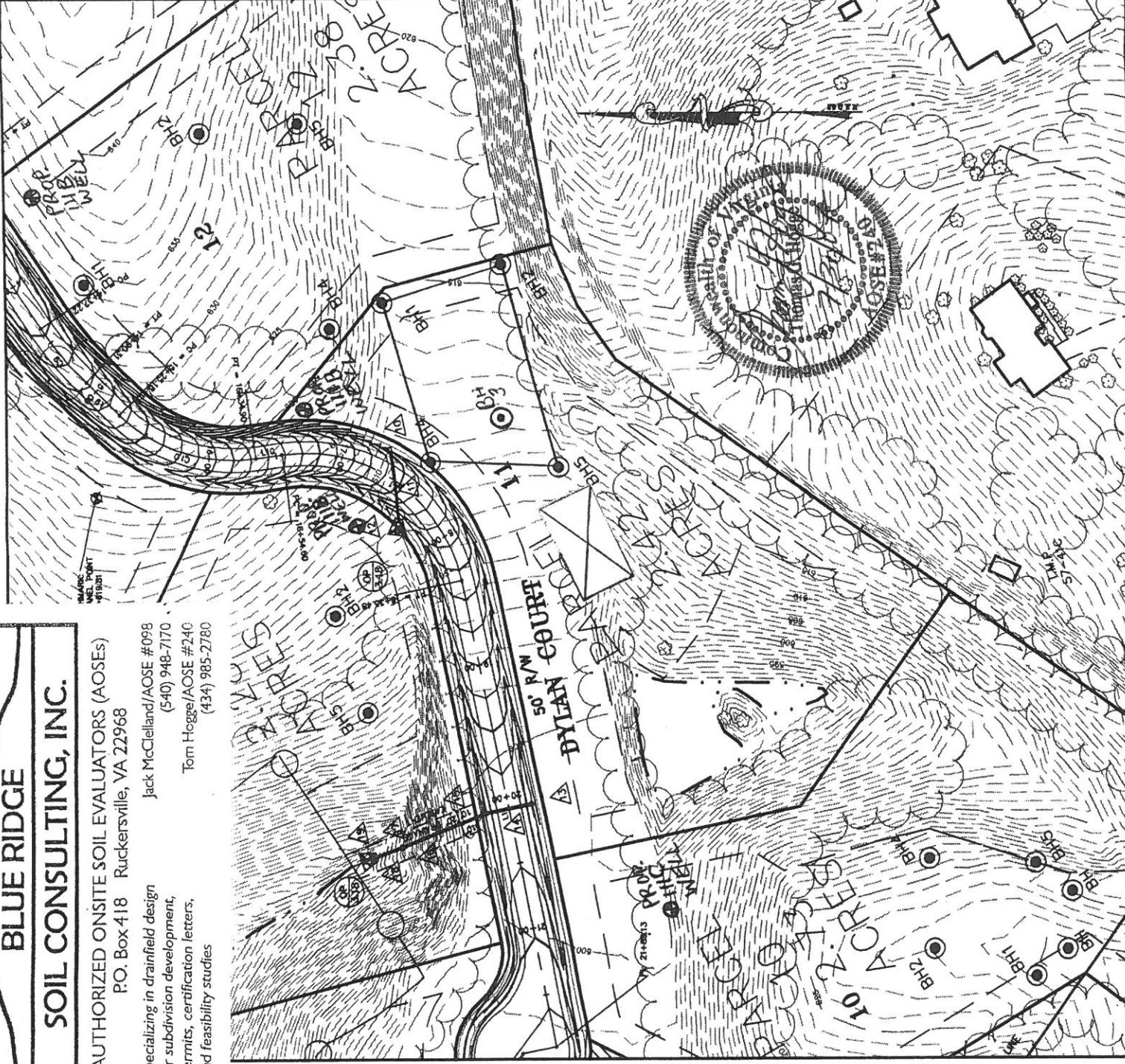


**BLUE RIDGE
SOIL CONSULTING, INC.**

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

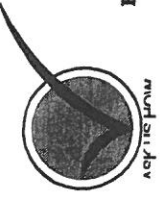
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NOTES:
REVISED 7-19-07

NOTE: ALL DF CORNERS ARE 5' ±
FROM P/L

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



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

DRAINFIELD LOCATION

LOT # 11
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
Fairhill Estates
Lot 11

Design Basis

- A. Estimated Percolation Rate (minutes per inch) 45 @ 22"
- B. Trench bottom square feet Required per bedroom (from Table 5.4) based on (X) Gravity ___ LPD ___ other 344
- C. Number of bedrooms 5

Area Calculations

- D. Length of trench (ft.) 96
- E. Length of available area (ft.) 96
- F. Width of trench (ft.) 3
- G. Number of trenches 12 (including reserve)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 113
- J. Width of available area (ft.) 125-158
- K. Total square footage required 1720
- L. Square Footage in design 1728
- M. Is a reserve area required? Yes (100% reserve drainfield is delineated)

