

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

AOSE/PE Report for

Subdivision Approval

1

Location of property:

Lot 5 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

Revision Date: ,

AOSE/PE Job Number:

(optional)

Health Dept. ID. No.:

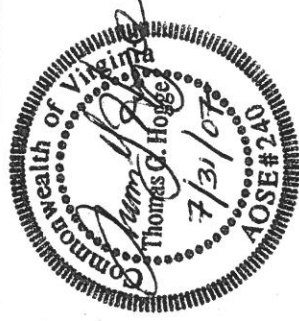
Contents/Index of this report:²

1-Cover 5-Site Sketch
2-Soil Summary 6-Abbrev. Design
3,4 Soil Descr.

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.

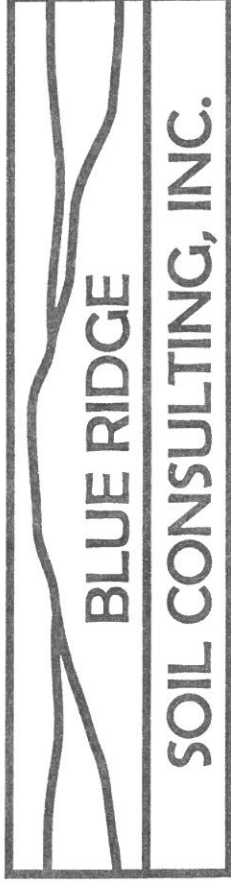
I recommend a Subdivision ⁴ be Approved ⁵
Approval



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 5
Albemarle County, VA**

Owner:	David Mitchell c/o Southern Classic, Inc.			Phone:	(434) 823 - 7610
Mailing Address:	P.O. Box 248 Crozet, VA 22932			Phone:	
Agent:	Blue Ridge Soil Consulting, Inc.			Fax:	(434) 823 - 7645
Mailing Address:	P.O. Box 418 Ruckersville, VA 22968			Phone:	(434) 985 - 2780
Site Address:				Phone:	(540) 948 - 7170
				Fax:	(434) 990 - 8367
				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:		Block:	Lot: 5
Tax Map:		Other Property Identification:		Dimension/Acreage of Property:	2.21 Acres

Soil Information Summary

1. Position in landscape satisfactory? Yes ☒ No ☐
Describe: Sideslope
 2. Slope: 20-25 %
 3. Depth to Rock or impervious strata: Max. 60"+ Min. 44" (reserve)
 4. Depth to seasonal water table (gray mottling or gray color): No ☒ Yes ☐ Inches
 5. Free water present: No ☒ Yes ☐ range in inches
 6. Soil percolation rate estimated? Yes ☒ No ☐
Texture Group I ☐ II ☐ III ☒ IV ☐
Estimated rate 55 min/inch
 7. Permeability test performed Yes ☐ No ☒
- If yes, note type of test performed and attach

Soil Profile Descriptions
Fairhill Estates
Lot 5

Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-8	A	10YR/4/4 Dark Yellowish Brown light Clay Loam	3
	8-28	Bt	5YR/4/6 Yellowish Red medium Silty Clay Loam, SAB structure	3
	28-48	BC	5YR/4/6 Yellowish Red light-medium Silty Clay Loam, variegated with 5YR/6/8 Reddish Yellow and 7.5YR/5/8 Strong Brown (parent), SAB structure with few quartz fragments	3
			PIT TERMINATED AT 48"	

2	0-4	A	10YR/3/3 Dark Brown Loam	2
	4-10	E	10YR/6/6 Brownish Yellow light Clay Loam	3
	10-38	Bt	5YR/4/6 Yellowish Red medium Silty Clay Loam, SAB structure	3
	38-60	BC	5YR/5/8 Yellowish Red light Silty Clay Loam slightly variegated with 10YR/6/6 Brownish Yellow and 7.5YR/7/6 Reddish Yellow (parent), SAB structure with few quartz fragments	3
			PIT TERMINATED AT 60"	



Soil Profile Descriptions, Continued

3	0-4	A	10YR/3/3 Dark Brown Loam	2
	4-9	E	10YR/6/6 Brownish Yellow light Clay Loam	3
	9-28	Bt	5YR/4/6 Yellowish Red medium Silty Clay Loam, SAB structure	3
	28-60	BC	2.5YR/4/8 Red light Silty Clay Loam, variegated with 7.5YR/7/8 Reddish Yellow and 2.5YR/7/4 Light Reddish Brown (parent)	3
			PIT TERMINATED AT 60"	

4	0-6	A	10YR/3/3 Dark Brown Loam	2
	6-19	Bt	10YR/4/6 Dark Yellowish Brown light-medium Silty Clay Loam	3
	19-35	BC	7.5YR/5/8 Strong Brown light Silty Clay Loam, variegated with 10YR/5/8 Yellowish Brown and 5YR/5/8 Yellowish Red (parent)	3
	35-60	CB	5YR/4/6 Yellowish Red very light Silty Clay Loam, variegated with 10YR/6/8 Brownish Yellow (parent), friable	3
			PIT TERMINATED AT 60"	

5	0-6	A	10YR/3/3 Dark Brown Loam	2
	6-20	Bt	10YR/4/6 Dark Yellowish Brown light-medium Silty Clay Loam	3
	20-44	CB	5YR/4/6 Yellowish Red very light Silty Clay Loam, variegated with 10YR/6/8 Brownish Yellow (parent), friable	3
	44	Cr	Phyllite	
			BUCKET REFUSAL AT 44"	



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

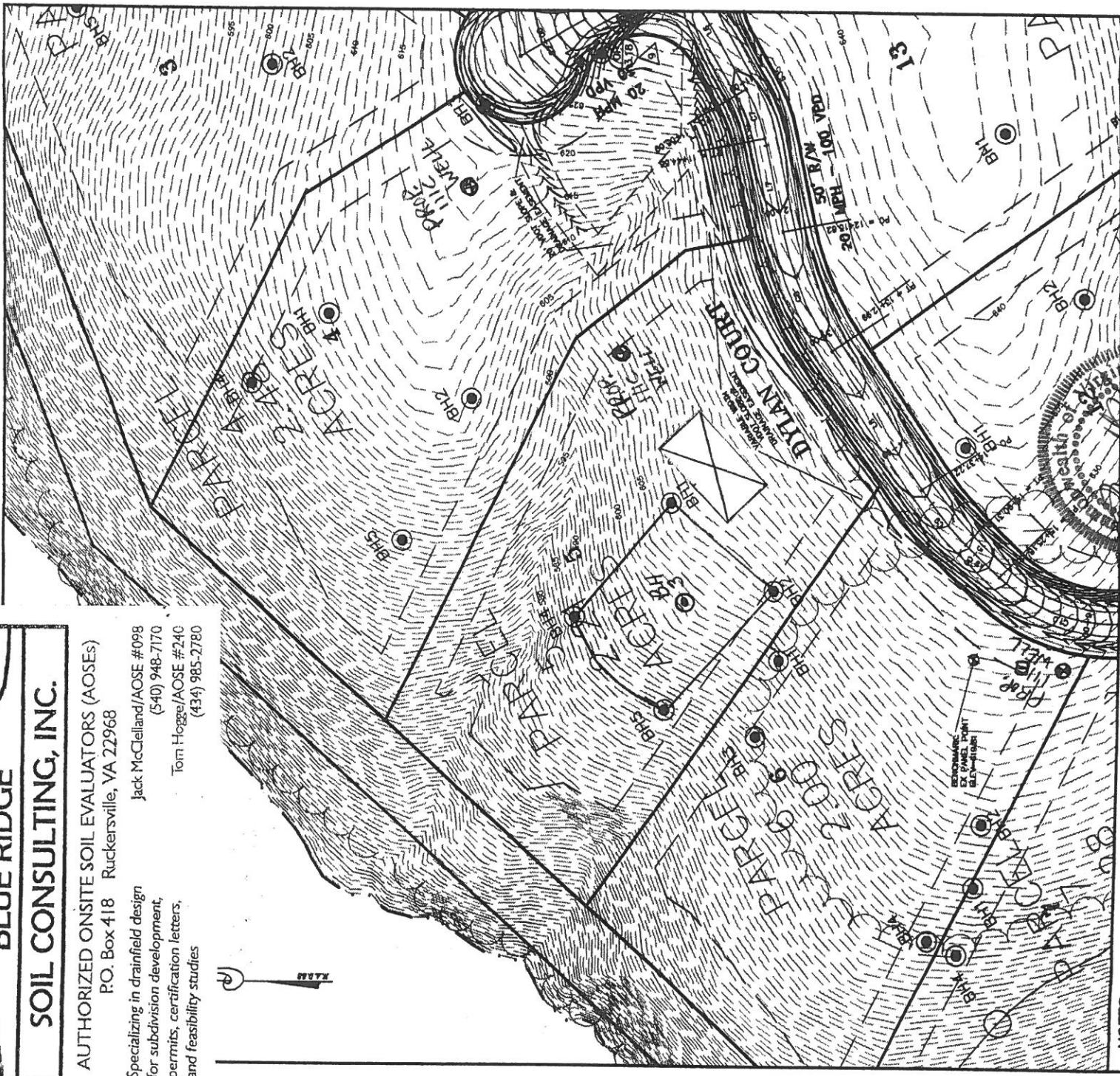
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PAGE 5 OF 6



NOTES:

REVISED 7-19-07

PROJECT #: 20060711

DATE: APRIL 17, 2007

SCALE: 1"= 100'

DRAWN BY: BCM

APPROVED BY:

TOWNES

SITE ENGINEERING

9860 Lori Road, Suite 201

Chesterfield, Virginia 23032

Phone: (804) 748-8011 Fax: (804) 748-2590

Email: townes@octownes.com

DRAINFIELD LOCATION

LOT # 5

FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

1 of 1

Abbreviated Design Form
Fairhill Estates
Lot 5

Design Basis

A. Estimated Percolation Rate
(minutes per inch) 55 @ 30"

B. Trench bottom square feet
Required per bedroom
(from Table 5.4) based on
(X) Gravity ___ LPD ___ other

C. Number of bedrooms 412
4

Area Calculations

D. Length of trench (ft.) 100

E. Length of available area (ft.) 100

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.) 115-125

K. Total square footage required 1648

L. Square Footage in design 1800

M. Is a reserve area required? Yes (100% reserve drainfield is delineated)

