



AUTHORIZED ONSITE SOIL EVALUATORS (AOSEs)
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 13 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"

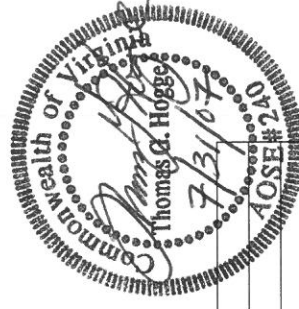
⁵ Fill in this blank with the appropriate term: "approved", or "denied"



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P.O. Box 418 Ruckersville, VA 22968

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Soil Evaluation Report
FAIRHILL ESTATES
Lot 13
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:	
		Fax:	(434) 823 - 7645
Agent:	Blue Ridge Soil Consulting, Inc.	Phone:	(434) 985 - 2780
Mailing Address:	P.O. Box 418 Ruckersville, VA 22968	Phone:	(540) 948 - 7170
		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:	Block:
Tax Map:		Other Property Identification:	Lot: 13
		Dimension/Acreage of Property:	5.50 Acres

Soil Information Summary

1. Position in landscape satisfactory? Yes ☒ No ☐
Describe: Sideslope
2. Slope: 4-19 %
3. Depth to Rock or impervious strata: Max: 60"+ Min: 60"+
4. Depth to seasonal water table (gray mottling or gray color): No ☒ Yes ☐ Inches
5. Free water present: No ☒ Yes ☐ range in inches
Yes ☒ Texture Group I ☐ II ☐ III ☒ IV ☐
No ☐ Estimated rate 60 min/inch
6. Soil percolation rate estimated?
7. Permeability test performed Yes ☐ No ☒

If yes, note type of test performed and attach

Soil Profile Descriptions
Fairhill Estates
Lot 13

Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-10	Ap	10YR/4/6 Dark Yellowish Brown light Clay Loam/Loam	3/2
	10-31	Bt	2.5YR/4/6 Red medium-heavy Silty Clay Loam, SAB structure	3
	31-47	BC	2.5YR/4/8 Red medium-light Silty Clay Loam, variegated with 7.5YR/5/6 Strong Brown and 10YR/8/3 Pale Yellow (parent)	3
	47-60	C	5YR/5/8 Yellowish Red Silt Loam saprolite, variegated with 10YR/6/8 Brownish Yellow and 10YR/8/2 Very Pale Brown (parent), dense	3
			PIT TERMINATED AT 60"	

2	0-8	Ap	10YR/4/4 Dark Yellowish Brown light Clay Loam	3
	8-21	Bt1	2.5YR/4/6 Red medium-heavy Silty Clay Loam, massive structure	3
	21-33	Bt2	2.5YR/4/6 Red medium Silty Clay Loam with few weathered phyllite fragments, massive structure, dense	3
	33-60	BC	2.5YR/4/8 Red light Silty Clay Loam, variegated with 10YR/5/8 Yellowish Brown and 10YR/6/4 Light Yellowish Brown (parent), dense but friable	3
			PIT TERMINATED AT 60"	



Soil Profile Descriptions, Continued

3	0-12	Ap	10YR/4/4 Dark Yellowish Brown light Clay Loam	3
	12-25	Bt1	2.5YR/4/6 Red medium-heavy Silty Clay Loam, massive structure	3
	25-38	Bt2	2.5YR/4/6 Red medium Silty Clay Loam with few weathered phyllite fragments, massive structure, dense	3
	38-60	BC	2.5YR/4/8 Red light Silty Clay Loam, variegated with 10YR/5/8 Yellowish Brown and 10YR/6/4 Light Yellowish Brown (parent), dense but friable	3
			PIT TERMINATED AT 60"	

4	0-12	Ap	10YR/4/6 Dark Yellowish Brown Loam/light Clay Loam	2/3
	12-32	Bt	2.5YR/4/6 Red medium-heavy Silty Clay Loam, SAB structure, dense	3
	32-60	BC	2.5YR/4/8 Red medium-light Silty Clay Loam, variegated with 10YR/5/8 Yellowish Brown and 10YR/8/2 Very Pale Brown (parent), massive structure, dense	3
			PIT TERMINATED AT 60"	

5	0-6	Ap	10YR/4/6 Dark Yellowish Brown light Clay Loam/Loam	3/2
	6-12	Bt	2.5YR/4/6 Red medium-heavy Silty Clay Loam, SAB structure	3
	12-47	BC	2.5YR/4/8 Red medium-light Silty Clay Loam, variegated with 7.5YR/5/6 Strong Brown and 10YR/8/3 Pale Yellow (parent)	3
	47-60	C	5YR/5/8 Yellowish Red Silt Loam saprolite, variegated with 10YR/6/8 Brownish Yellow and 10YR/8/2 Very Pale Brown (parent), dense	3
			PIT TERMINATED AT 60"	



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



7/31/07
AOSE #240

APPROVED BY:

SITE ENGINEERING
9850 Lori Road, Suite 201
Chesterfield, Virginia 23832
Phone: (804) 748-8011 Fax: (804) 748-2590
Email: townes@cctownes.com

DRAINFIELD LOCATION
LOT # 13
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
Fairhill Estates
Lot 13

Design Basis

- A. Estimated Percolation Rate
(minutes per inch) 60 @ 42"
- B. Trench bottom square feet
Required per bedroom
(from Table 5.4) based on
(X) Gravity ___ LPD ___ other 452
- C. Number of bedrooms 5



Area Calculations

- D. Length of trench (ft.) 100
- E. Length of available area (ft.) 200-205 (Including 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.) 80-104
- K. Total square footage required 2260
- L. Square Footage in design 2400
- M. Is a reserve area required? Yes (100% reserve drainfield is delineated)