

BLUE RIDGE
SOIL CONSULTING, INC.

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 7 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.:

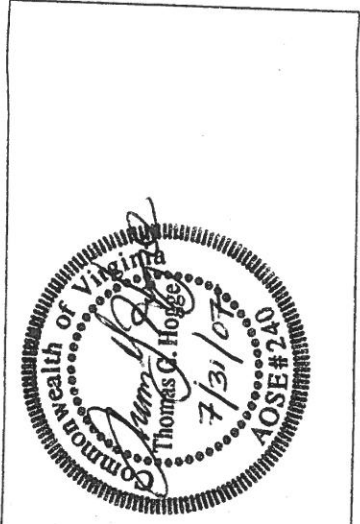
Contents/Index of this report:²

- 1-Cover
- 2- Soil Summary
- 34 Soil Descr.
- 5- Site Sketch
- 6- Abbrev. Design

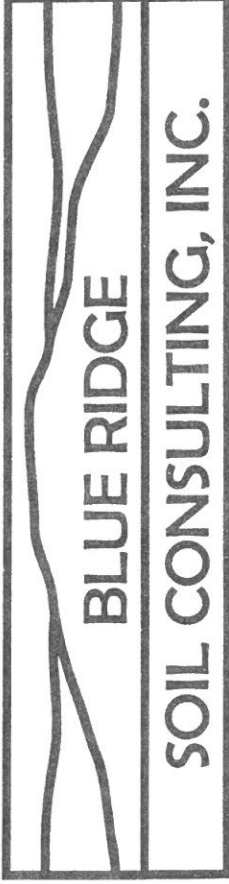
Certification Statement(s)³

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"



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



**Soil Evaluation Report
FAIRHILL ESTATES
Lot 7
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:		Block:		Lot:	7
Tax Map:	Other Property Identification:			Dimension/Acreage of Property:		2.28 Acres	

Soil Information Summary

1. Position in landscape satisfactory? Yes No

Describe: Sideslope

2. Slope: 12 %

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

6. Soil percolation rate estimated? No 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 7

Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-8	Ap	10YR/5/4 Yellowish Brown Loam	2
	8-25	Bt	2.5YR/4/8 Red medium Silty Clay Loam, SAB structure	3
	25-60	CB	2.5YR/4/8 Red very light Silty Clay Loam/Silt Loam saprolite, variegated with 2.5Y/5/6 Light Olive Brown, massive structure but friable PIT TERMINATED AT 60"	3

2	0-7	Ap	10YR/4/3 Brown Loam	2
	7-18	Bt	2.5YR/5/8 Red Clay Loam, SAB structure	3
	18-40	BC	2.5YR/4/8 Red Clay Loam, variegated with 5YR/5/8 Yellowish Red, 10YR/5/4 Yellowish Brown and 10YR/8/1 White (parent)	3
	40-60	C	10YR/6/6 Brownish Yellow Loam saprolite, variegated with 7.5YR/6/8 Reddish Yellow and 10YR/7/6 Yellow (parent), channery but friable PIT TERMINATED AT 60"	2

3	0-8	Ap	10YR/4/4 Dark Yellowish Brown light Clay Loam	3
	8-22	B	7.5YR/4/6 Strong Brown medium Sandy Clay Loam, SAB structure	2
	22-60	C	10YR/6/6 Brownish Yellow Sandy Loam saprolite (granitic gneiss), variegated with 10YR/7/4 Very Pale Brown and 10YR/4/2 Very Dark Grayish Brown (parent), friable PIT TERMINATED AT 60"	2

Soil Profile Descriptions, Continued

4	0-6	Ap	10YR/4/3 Brown Loam	2
	6-25	Bt	2.5YR/4/6 Red Silty Clay Loam	3
	25-35	BC	2.5YR/4/8 Red light Silty Clay Loam/Silt Loam, variegated with	3
			10YR/5/8 Yellowish Brown(parent), friable with common fine mica	
35-60	C	10YR/5/6 Yellowish Brown Silt Loam saprolite, variegated with	3	
			7.5YR/5/8 Strong Brown, dense	
			PIT TERMINATED AT 60"	

5	0-8	Ap	10YR/4/3 Brown Loam	2
	8-41	BC	5YR/5/8 Yellowish Red light Silty Clay Loam with common weathered phyllite fragments	3
			5YR/5/8 Yellowish Red Silt Loam saprolite, variegated with 10YR/5/8 Yellowish Brown and 10YR/4/3 Brown (parent), dense	
	41-60	C	PIT TERMINATED AT 60"	



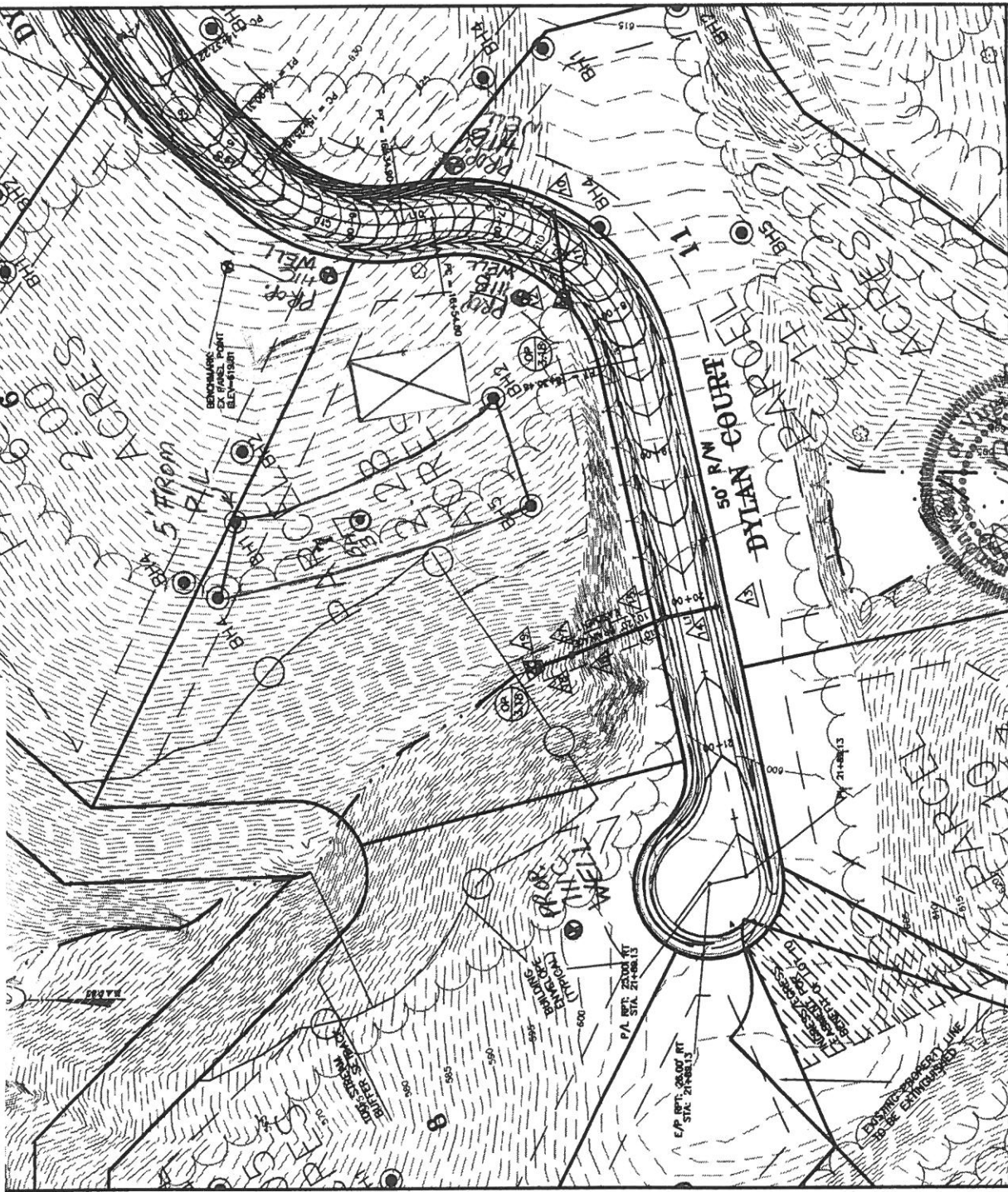
Page 5 of 6

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



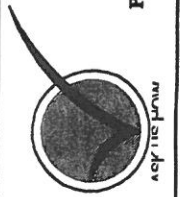
NOTES:
REVISED 7-19-07

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 # 7
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
Fairhill Estates
Lot 7

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.) 100
- E. Length of available area (ft.) 200
- F. Width of trench (ft.) 3
- G. Number of trenches 12 (including reserve)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 53
- J. Width of available area (ft.) 53-77
- K. Total square footage required 1648
- L. Square Footage in design 1800
- M. Is a reserve area required? Yes (100% reserve drainfield is delineated)

