

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 2 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

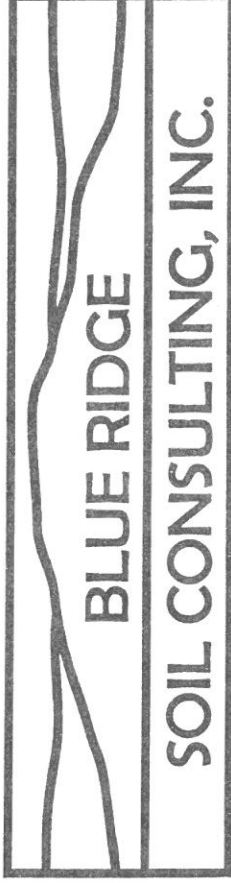
Certification Statement(s)³

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 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 2
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:	
Tax Map:		Block:	2
	Other Property Identification:	Dimension/Acreage of Property:	4.83 Acres

Soil Information Summary	
1. Position in landscape satisfactory? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe: Sideslope	
2. Slope: 24-25 %	
3. Depth to Rock or impervious strata: Max. 60"+ Min. 60"+	
4. Depth to seasonal water table (gray mottling or gray color): No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Inches	
5. Free water present: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> range in inches	
6. Soil percolation rate estimated? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Texture Group I <input type="checkbox"/> II <input type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/>	
7. Permeability test performed Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Estimated rate 60 min/inch	
If yes, note type of test performed and attach	



Soil Profile Descriptions
 Fairhill Estates
 Lot 2

Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-12	A	10YR/4/4 Dark Yellowish Brown Loam/light Clay Loam	2/3
	12-29	Bt	5YR/4/6 Yellowish Red Silty Clay Loam, SAB structure	3
	29-45	BC	5YR/4/4 Reddish Brown light Silty Clay Loam, variegated with 5YR/7/6 Reddish Yellow, 7.5YR/6/6 Reddish Yellow and 2.5Y/8/3 Pale Yellow (parent)	3
	45-60	C	10YR/6/6 Brownish Yellow Silt Loam saprolite, variegated with 10YR/8/3 Very Pale Brown and 2.5Y/8/3 Pale Yellow (parent), moderately dense PIT TERMINATED AT 60"	3

2	0-9	A	10YR/5/6 Yellowish Brown light Clay Loam	3
	9-20	Bt	5YR/4/6 Yellowish Red Silty Clay Loam, SAB structure	3
	20-32	BC	7.5YR/5/8 Strong Brown light Silty Clay Loam, variegated with 10YR/6/6 Brownish Yellow and 2.5Y/8/3 Pale Yellow (parent)	3
	32-60	C	7.5YR/6/8 Brownish Yellow Silt Loam saprolite, variegated with 10YR/6/6 Brownish Yellow and 2.5Y/8/3 Pale Yellow (parent) PIT TERMINATED AT 60"	3



Soil Profile Descriptions, Continued

3	0-8	A	10YR/4/3 Brown light Clay Loam	3
	8-19	Bt	7.5YR/5/6 Strong Brown medium Silty Clay Loam, SAB structure	3
	19-28	BC	5YR/5/8 Yellowish Red light-medium Silty Clay Loam/Silt Loam, variegated with 5YR/6/4 Light Reddish Brown and 7.5YR/7/8 Reddish Yellow (parent)	3
	28-60	C	10YR/4/6 Dark Yellowish Brown Silt Loam saprolite, variegated with 10YR/7/3 Very Pale Brown and 2.5Y/7/4 Pale Yellow (parent) PIT TERMINATED AT 60"	3

4	0-9	A	10YR/4/4 Dark Yellowish Brown Loam	2
	9-23	Bt	7.5YR/5/6 Strong Brown medium Silty Clay Loam, SAB structure	3
	23-42	BC	5YR/5/8 Yellowish Red light-medium Silty Clay Loam, variegated with 7.5YR/7/8 Reddish Yellow and 10YR/7/3 Very Pale Brown (parent)	3
	42-60	C	10YR/5/6 Yellowish Brown Silt Loam saprolite, variegated with 10YR/7/3 Very Pale Brown and 2.5Y/8/1 White (parent) PIT TERMINATED AT 60"	3

5	0-6	A	10YR/4/4 Dark Yellowish Brown Loam	2
	6-24	Bt	7.5YR/5/6 Strong Brown medium Silty Clay Loam, SAB structure	3
	24-47	BC	5YR/5/8 Yellowish Red light-medium Silty Clay Loam, variegated with 7.5YR/7/8 Reddish Yellow and 10YR/7/3 Very Pale Brown (parent)	3
	47-60	C	10YR/5/6 Yellowish Brown Silt Loam saprolite, variegated with 10YR/7/3 Very Pale Brown and 2.5Y/8/1 White (parent) PIT TERMINATED AT 60"	3

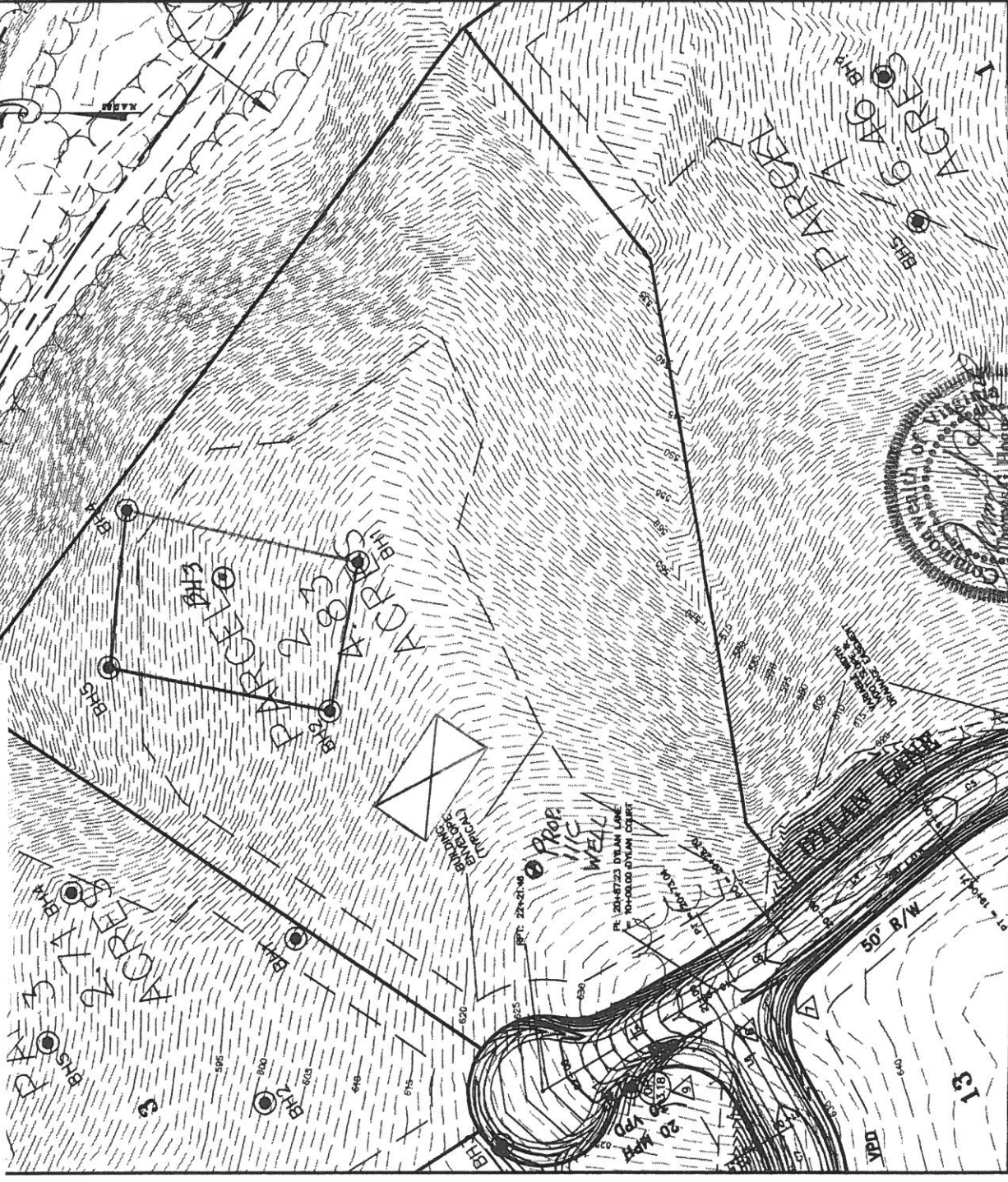


**BLUE RIDGE
SOIL CONSULTING, INC.**

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



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

NOTES:
REVISED 7-19-07

DRAINFIELD LOCATION
LOT # 2
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA



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

Abbreviated Design Form
 Fairhill Estates
 Lot 2

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.) 105
- F. Width of trench (ft.) 3
- G. Number of trenches 16 (including reserve)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 153
- J. Width of available area (ft.) 155-165
- K. Total square footage required 2260
- L. Square Footage in design 2400
- M. Is a reserve area required? Yes (100% reserve drainfield is delineated)

