



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 6 Section , Subdivision Fairhill Estates, Albemarle County
GPIN or Tax Map #
Latitude/Longitude

Applicant or Client and address:

David Mitchell/Southern Classic
P.O. Box 248
Crozet, VA 22932

Prepared by AOSE/PE (name and address):

Tom Hogge - AOSE 240
P.O. 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
34 Soil Descr.

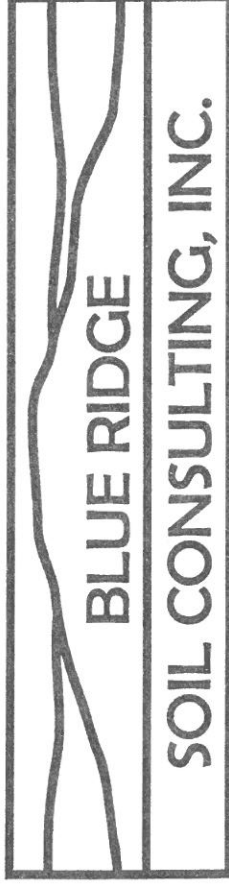
Certification Statement(s)³

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 6

Albemarle County, VA



Owner:	Southern Classic, David Mitchell	Phone:	(434) 566-8299
Mailing Address:	PO Box 248 Crozet, VA 22932	Phone:	
		Fax:	
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 towards Crozet. Go about 1/2 mile past Rt, 240 turnoff and RR overpass and turn right on Fairhill.		
Subdivision:	Fairhill Estates	Section:	-
Tax Map:	Other Property Identification:	Block:	-
		Lot:	6
		Dimension/Acreage of Property:	2.00 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. 48"
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 55 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 6

Backhoe Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-6	Ap	10 YR 4/4 dark yellowish brown loam	2
	6-17	Bt	2.5 YR 4/6 red silty clay loam, subangular blocky; few small, subangular weathered phyllite fragments	3
	17-26	CB	2.5 YR 4/8 red light silty clay loam to silt loam, variegated with 5 YR 4/6 yellowish red and 5 YR 6/8 reddish yellow from parent	3
	26-60	C	5 YR 5/8 yellowish red silt loam saprolite, variegated with 7.5 YR 6/6 reddish yellow, 5 Y 5/6 olive and 10 YR 6/3 pale brown from parent; friable	3
2	0-4	A	10 YR 4/3 brown loam	2
	4-17	Bt	2.5 YR 4/6 red silty clay loam	3
	17-33	BC	7.5 YR 5/6 strong brown light silty clay loam to silt loam saprolite, variegated with 5 YR 5/8 yellowish red and 10 YR 5/6 yellowish brown	3
	33-48	C	2.5 Y 6/4 light yellowish brown silt loam saprolite, variegated with 2.5 Y 7/4 pale yellow and 5 YR 5/8 yellowish red; Rock at 48"	3
3	0-8	Ap	10 YR 4/4 dark yellowish brown loam	2
	8-18	Bt	2.5 YR 4/6 red silty clay loam, subangular blocky with few weathered phyllite fragments	3
	18-50	CB	7.5 YR 5/6 strong brown very light silty clay loam to silt loam saprolite, variegated with 5 YR 4/6 yellowish red and 5 YR 5/2 reddish gray; common fine mica; pit terminated at 50"	3/2

Soil Profile Descriptions, Continued

4	0-10	Ap	7.5 YR 4/6 strong brown light clay loam to loam	3/2
	10-28	Bt	5 YR 4/6 yellowish red medium silty clay loam	3
	28-48	BC	7.5 YR 5/6 strong brown light silty clay loam to silt loam saprolite, variegated with 5 YR 5/8 yellowish red and 10 YR 5/6 yellowish brown; common fine mica; CR at 48"	3
5	0-10	A	10 YR 4/3 brown light clay loam	3
	10-24	Bt	2.5 YR 4/6 red silty clay loam, good subangular blocky, common fine mica, few weathered phyllite fragments	3
	24-40	CB	2.5 YR 4/8 red light silty clay loam to silt loam, variegated with 5 YR 6/8 reddish yellow and 7.5 YR 6/6 reddish yellow from parent; common fine mica, friable	3
	40-60	C	2.5 Y 6/4 light yellowish brown silt loam saprolite, variegated with 2.5 Y 7/4 pale yellow and 5 YR 5/8 yellowish red	3



BLUE RIDGE SOIL CONSULTING, INC.

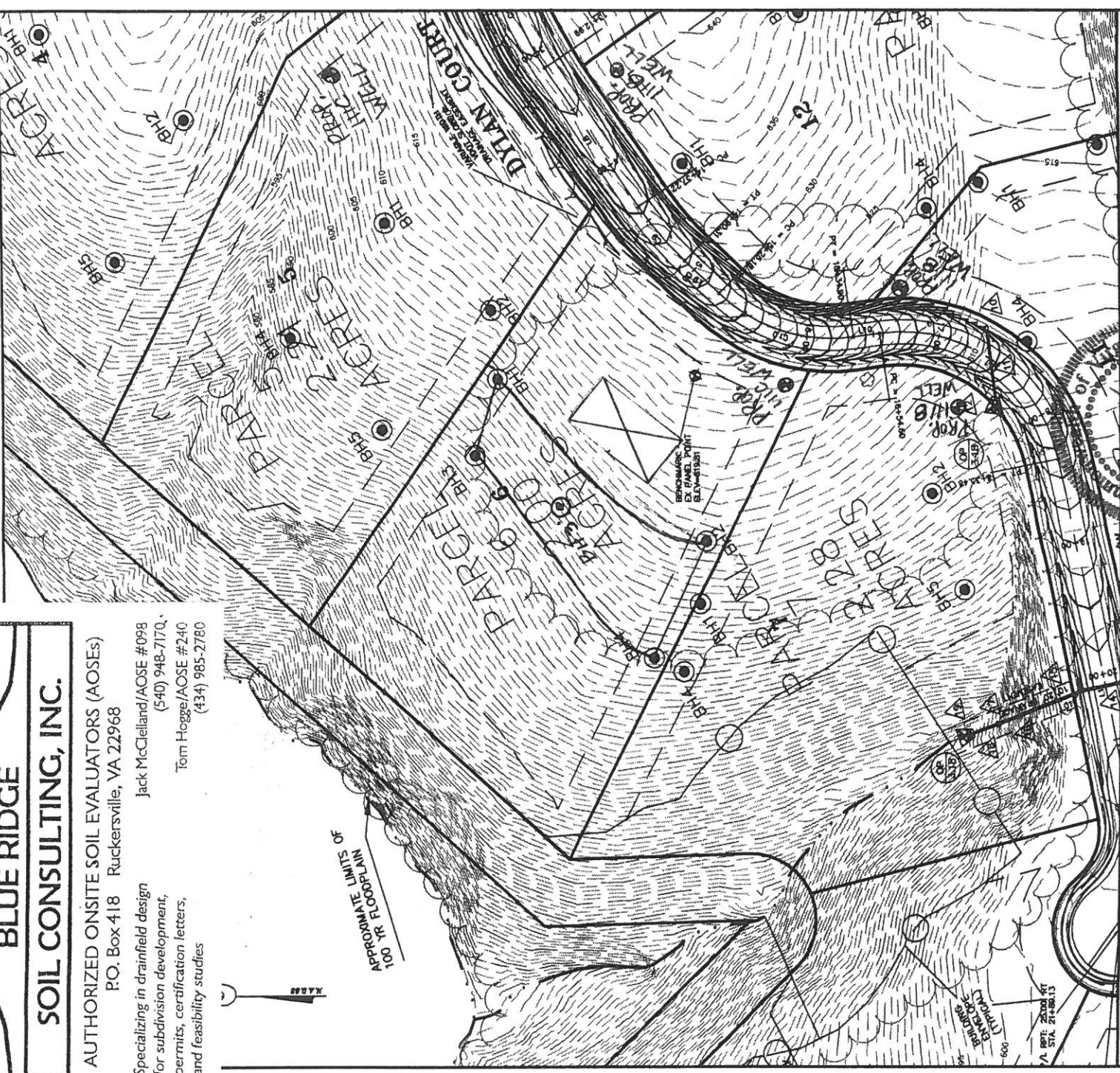
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Specializing in drainfield design
for subdivision development,
permits, certification letters,
and feasibility studies

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APPROXIMATE LIMITS OF
100' R. FLOODPLAIN

PAGE 5 OF 6



NOTES:

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@ctownes.com

DRAINFIELD LOCATION
LOT # 6
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

ascy/10/10/07

1 of 1

Abbreviated Design Form
Fairhill Estates
Lot 6

Design Basis

- A. Estimated Percolation Rate
(minutes per inch) 55 @ 30"
- B. Trench bottom square feet
Required per bedroom 412
(from Table 5.4) based on
(X) Gravity ___ LPD ___ other
- C. Number of bedrooms 4



Area Calculations

- D. Length of trench (ft.) 100
- E. Length of available area (ft.) 200 (Including reserve)
- F. Width of trench (ft.) 3
- G. Number of trenches 6 (Primary)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 53
- J. Width of available area (ft.) 53-96
- K. Total square footage required 1648
- L. Square Footage in design 1800
- M. Is a reserve area required? Yes (100% Reserve is provided)