



AUTHORIZED ONSITE SOIL EVALUATORS (AOSEs)
Jack McClelland/AOSE #098 (540) 948-7170 Tom Hogge/AOSE #240 (434) 985-2780

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AOSE/PE Report for

Subdivision Approval

1

Location of property:

Lot 8 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
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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P.O. Box 418 Ruckersville, VA 22968

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**Soil Evaluation Report
FAIRHILL ESTATES
Lot 8
Albemarle County, VA**



Owner:	Southern Classic, David Mitchell		Phone:	(434) 566-8299
Mailing Address:	PO Box 248 Crozet, VA 22932		Phone:	
Agent:	Blue Ridge Soil Consulting, Inc.		Fax:	
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 towards Crozet. Go about 1/2 mile past Rt, 240 turnoff and RR overpass and turn right on Fairhill.				
Subdivision:	Fairhill Estates	Section:	-	Block:
Tax Map:		Other Property Identification:	-	Lot:
				8
			Dimension/Acreage of Property:	2.17 Acres

Soil Information Summary

1. Position in landscape satisfactory? Yes ☒ No ☐
Describe: Toeslope
 2. Slope 14%
 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
 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 8

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Backhoe Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-8	Ap	10 YR 5/4 yellowish brown light clay loam	3
	8-18	Bt	5 YR 5/8 yellowish red light silty clay loam, fair subangular blocky	3
	18-42	BC	5 YR 4/6 yellowish red light silty clay loam with weathered schist fragments, little mica	3
	42-60	C	Friable silt loam saprolite, 5 YR 5/8 yellowish red, variegated with 10 YR 4/2 dark grayish brown and 10 YR 8/4 very pale brown, both from parent	3
2	0-9	Ap	7.5 YR 4/6 strong brown loam to light clay loam	2/3
	9-21	Bt	5 YR 5/8 yellowish red light clay loam; very good subangular blocky	3
	21-36	CB	10 YR 7/6 yellow and 10 YR 4/1 dark gray weathered silt loam schist with 2.5 YR 4/8 red clay loam flows; subvertical bedding	3
	36-60	C	2.5 Y 5/4 light olive brown sandy loam schist saprolite, subvertical with 2.5 Y 7/6 yellow and few 2.5 YR 4/8 red clay loam flows	2
3	0-8	Ap	5 YR 4/6 yellowish red light clay loam	3
	8-26	Bt1	2.5 YR 4/8 red clay loam, medium to heavy; fair to poor subangular blocky	3
	26-60	Bt2	2.5 YR 4/8 red, medium clay loam, massive; no mottles	3

Soil Profile Descriptions, Continued

4	0-8	Ap	5 YR 4/6 yellowish red light clay loam	3
	8-22	Bt	2.5 YR 4/8 red clay loam	3
	22-40	CB	2.5 Y 5/4 light olive brown silt loam weathered schist, subvertical, with 7.5 YR 7/6 reddish yellow and few 2.5 YR 4/8 red clay loam flows	3
	40-60	C	Friable silt loam schist saprolite, 2.5 Y 5/4 light olive brown, variegated with 2.5 Y 7/4 pale yellow and 2.5 YR 4/8 red	3
5	0-9	Ap	10 YR 5/4 yellowish brown light clay loam	3
	9-34	Bt1	5 YR 5/8 yellowish red medium to heavy clay loam; fair subangular blocky	3
	34-60	Bt2	2.5 YR 4/8 red medium to heavy clay loam; fair to poor subangular blocky	3

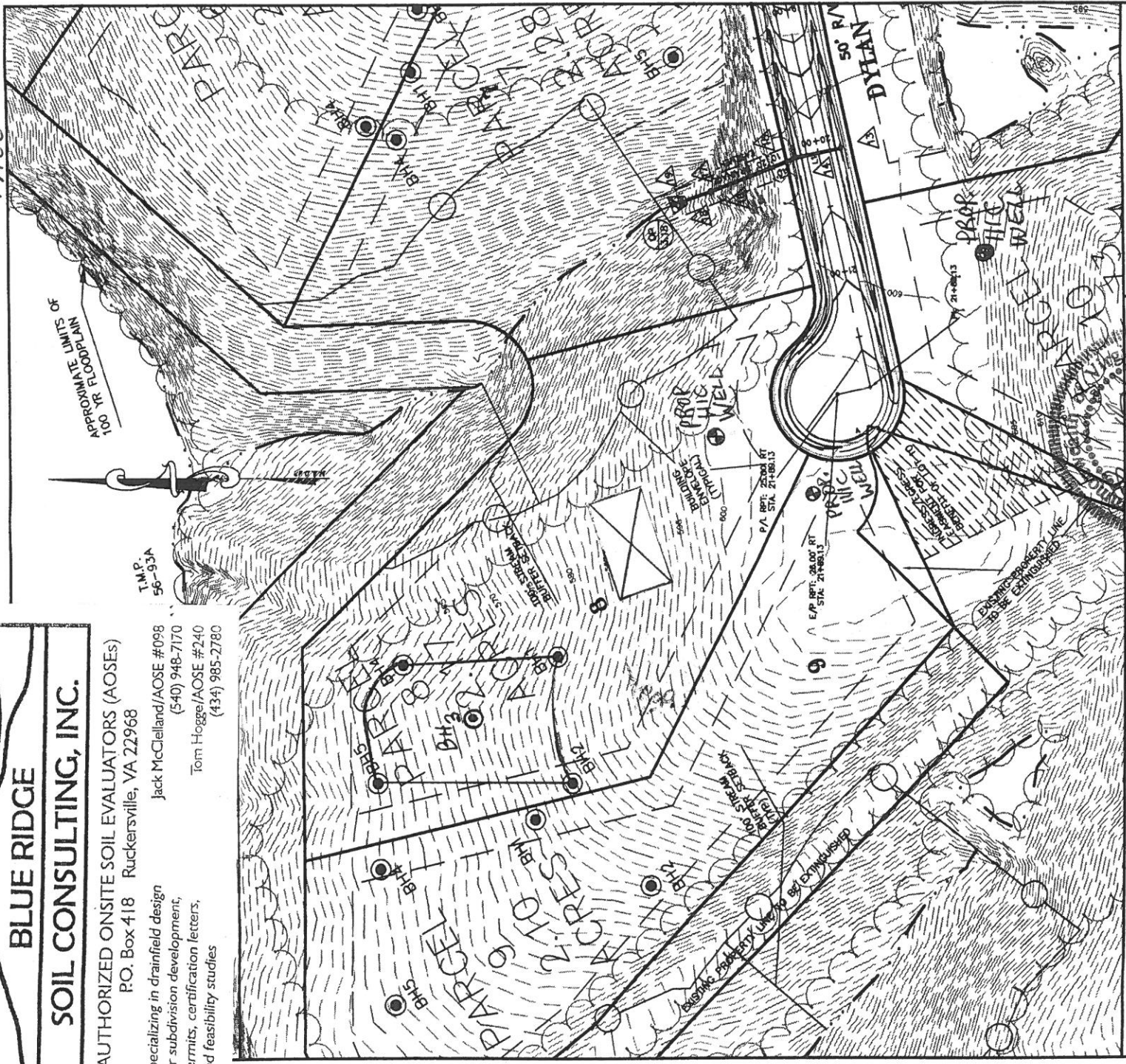


BLUE RIDGE SOIL CONSULTING, INC.

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



NOTES: REVISED 7-19-07 REVISED 7-31-07	PROJECT # 20060711 DATE: APRIL 17, 2007 SCALE: 1"= 100' DRAWN BY: BCM APPROVED BY:
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TOWNES
SITE ENGINEERING
9860 Lori Road, Suite 201
Chesterfield, Virginia 23832
Phone: (804) 748-8011 Fax: (804) 748-2590
Email: townes@cttownes.com

DRAINFIELD LOCATION
LOT # 8
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
Fairhill Estates
Lot 8

Page 6 of 6

Design Basis

- A. Estimated Percolation Rate
(minutes per inch) 55 @ 42"
- 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.) 100
- F. Width of trench (ft.) 3
- G. Number of trenches 6 (Primary)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 113 (Primary and reserve)
- J. Width of available area (ft.) 115-147
- K. Total square footage required 1648
- L. Square Footage in design 1800
- M. Is a reserve area required? Yes (100% Reserve is provided in the bottom half of the area investigated)

