



AUTHORIZED ONSITE SOIL EVALUATORS (AOSEs)
Jack McClelland/AOSE #098 (540) 948-7170 P.O. Box 418 Ruckersville, VA 22968
Tom Hogge/AOSE #240 (434) 985-2780

AOSE/PE Report for

Subdivision Approval

1

Location of property:

Lot 9 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 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 9****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:	-	Dimension/Acreage of Property:
				2.10 Acres
				Lot: 9

Soil Information Summary

1. Position in landscape satisfactory? Yes ☒ No ☐
Describe: Toeslope
2. Slope 8-15%
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 9

Backhoe Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-8	Ap	10 YR 5/4 yellowish brown light clay loam	3
	8-30	Bt1	5 YR 5/8 yellowish red clay loam, fair subangular blocky with 7.5 YR 4/6 strong brown mottles	3
	30-60	Bt2	2.5 YR 4/8 red clay loam; fair subangular blocky	3
2	0-7	Ap	7.5 YR 4/6 strong brown loam	2
	7-31	Bt	5 YR 4/6 yellowish red clay loam	3
	31-42	BC	5 YR 4/6 yellowish red light clay loam to sandy clay loam, massive with 10 YR 4/4 dark yellowish brown from parent	3/2
	42-60	C	Friable sandy clay loam saprolite, 5 YR 4/6 yellowish red and 10 YR 4/4 dark yellowish brown (parent) and 7.5 YR 6/6 reddish yellow	2
3	0-7	Ap	10 YR 5/4 yellowish brown loam	2
	7-28	Bt	2.5 YR 4/8 red medium to heavy clay loam	3
	28-60	CB	Sandy clay loam saprolite, dense but friable, massive; from subvertical schist, 7.5 YR 5/8 strong brown, variegated with 10 YR 4/4 dark yellowish brown and 2.5 YR 4/8 red	2



Soil Profile Descriptions, Continued

4	0-7	Ap	7.5 YR 4/6 strong brown light clay loam	3
	7-32	Bt1	5 YR 5/8 yellowish red medium to heavy clay loam with mottles of 7.5 YR 4/6 strong brown	3
	32-45	Bt2	5 YR 4/6 yellowish red clay loam, medium, with 7.5 YR 4/6 strong brown mottles	3
	45-60	C	5 YR 5/8 yellowish red friable silt loam saprolite with 7.5 YR 6/6 reddish yellow	3
5	0-8	Ap	7.5 YR 4/6 strong brown light clay loam	3
	8-40	Bt1	2.5 YR 4/8 red medium to heavy clay loam, fair subangular blocky	3
	40-60	Bt2	2.5 YR 4/8 red medium clay loam; fair subangular blocky; 7.5 YR 4/6 strong brown mottles	3



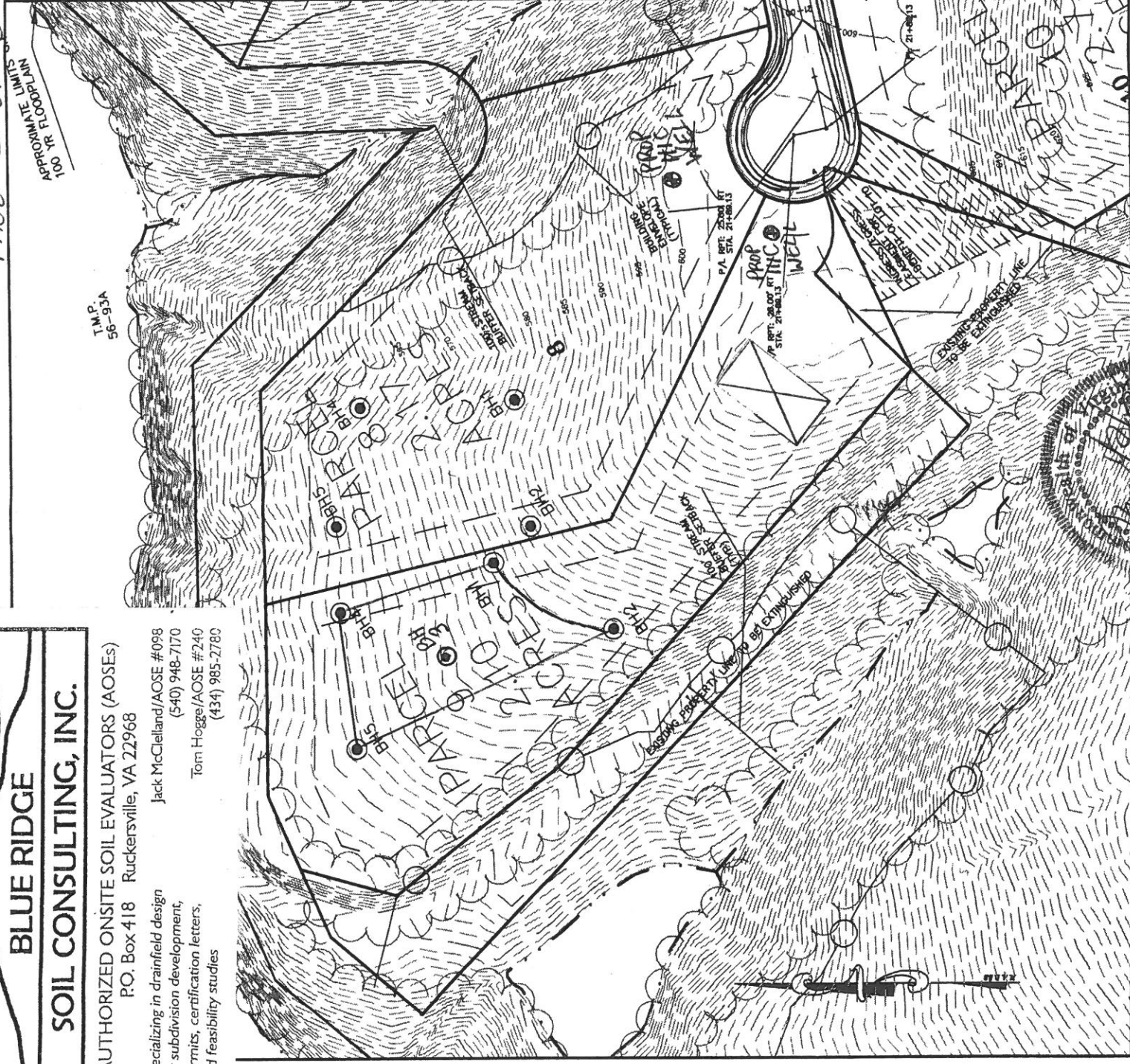


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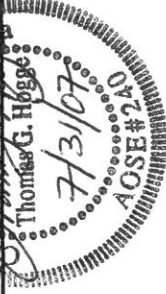
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Specializing in drainfield design
for subdivision development,
permits, certification letters,
and feasibility studies

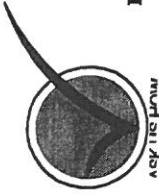
PAGE 5 OF 6



NOTES:
REVISED 7-19-07
REVISED 7-31-07



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



TOWNES
SITE ENGINEERING
9860 Lori Road, Suite 201
Chesterfield, Virginia 23032
Phone: (804) 748-9011 Fax: (804) 748-2590
Email: townes@cctownes.com

DRAINFIELD LOCATION
LOT # 9
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
Fairhill Estates
Lot 9

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.)

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.)

122-214

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)

