

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

AOSE/PE Report for

Subdivision Approval 1

Location of property: Lot 4 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

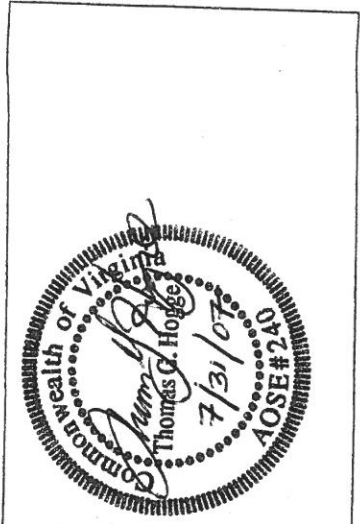
Date of Report: 7/31/07 AOSE/PE Job Number: (optional)
Revision Date: , Health Dept. ID. No.:

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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 P.O. Box 418 Ruckersville, VA 22968



**Soil Evaluation Report
 FAIRHILL ESTATES
 Lot 4
 Albemarle County, VA**

Owner:	Southern Classic, David Mitchell		Phone:	(434) 566-8299			
Mailing Address:	PO Box 248	Phone:					
	Crozet, VA 22932	Fax:					
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 towards Crozet. Go about 1/2 mile past Rt, 240 turnoff and RR overpass and turn right on Fairhill.						
Subdivision:	Fairhill Estates	Section:	-	Block:	-	Lot:	4
Tax Map:	Other Property Identification:		-		Dimension/Acreage of Property:	2.48 Acres	

Soil Information Summary

1. Position in landscape satisfactory? Yes No
 Describe: Sideslope
2. Slope 22%
3. Depth to Rock or impervious strata: Max. 60"+ Min. 30"
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 4

Backhoe Pit	Depth (in)	Horizon	Material Description	Soil Texture Group
1	0-3	A	10 YR 4/3 brown loam	2
	3-11	E	10 YR 6/6 brownish yellow very light clay loam	3
	11-42	Bt	5 YR 5/8 yellowish red clay loam	3
	42-66	C	Variogated, friable but massive silt loam saprolite, 7.5 YR 5/8 strong brown, 7.5 YR 8/3 pink and 2.5 Y 5/4 light olive brown.	3
2	0-4	A	10 YR 4/3 brown loam	2
	4-31	Bt	5 YR 4/6 yellowish red clay loam	3
	31-41	BC	Light clay loam to silt loam saprolite, massive but friable, 7.5 8/4 pink and 10 YR 5/2 grayish brown (parent) with 5 YR 5/8 yellowish red clay loam flows	3
	41-60	C	Variogated, friable loam saprolite, 7.5 YR 5/8 strong brown, 10 YR 8/1 white, and 10 YR 5/4 yellowish brown, all from parent	2
3	0-2	A	10 YR 2/2 very dark brown loam	2
	2-14	E	10 YR 7/6 yellow medium to light clay loam	3
	14-30	BC	5 YR 5/8 yellowish red medium clay loam with 7.5 YR 7/8 reddish yellow parent mottles; few sandy clay loam lenses; rock at 30" across pit bottom	3/2
4	0-3	A	10 YR 5/3 light olive brown loam	2
	3-35	BC	10 YR 6/6 brownish yellow sandy clay loam with several subangular, loose, small boulders.	2
Unable to dig further. Deeper profile may be possible with a bigger machine				

Soil Profile Descriptions, Continued

5	0-3	A	10 YR 5/3 light olive brown loam	2
	3-27	B	7.5 YR 5/6 strong brown light clay loam; good subangular blocky structure	3
	27-60	C	10 YR 5/6 yellowish brown silt loam saprolite, friable, variegated with 10 YR 6/1 gray from parent	3



**BLUE RIDGE
SOIL CONSULTING, INC.**

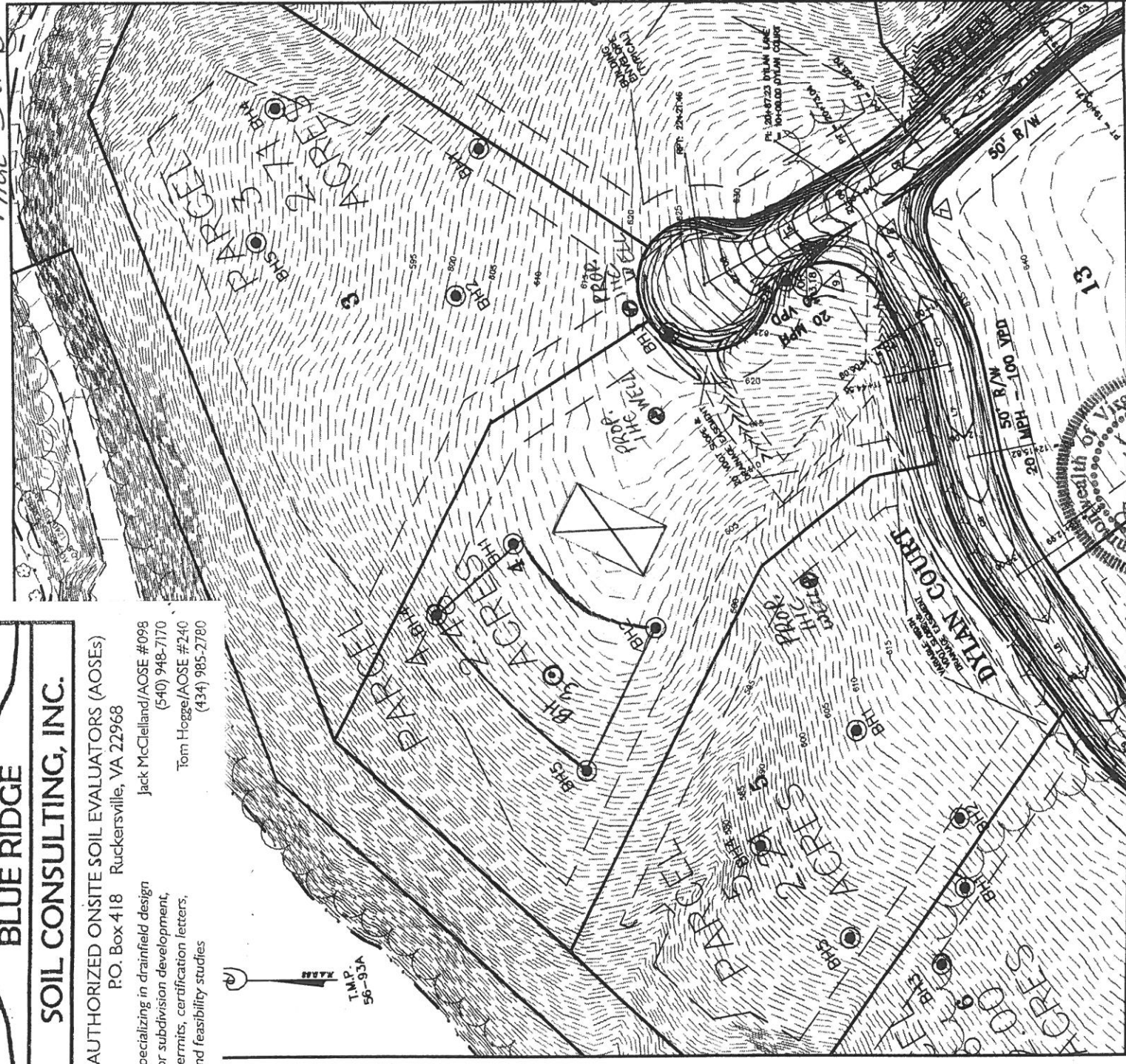
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Specializing in drainfield design
for subdivision development,
permits, certification letters,
and feasibility studies

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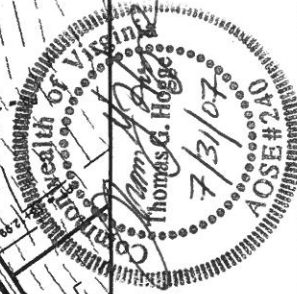


PAGE 5 OF 6



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) 748-8011 Fax: (804) 748-2590
Email: townes@cc-townes.com

DRAINFIELD LOCATION
LOT # 4
FAIRHILL ESTATES SUBDIVISION
ALBEMARLE COUNTY, VIRGINIA

Abbreviated Design Form
 Fairhill Estates
 Lot 4
 Primary Drainfield

Design Basis

- A. Estimated Percolation Rate (minutes per inch) 55 @ 12"***
- 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.) 75
- E. Length of available area (ft.) 160-165
- F. Width of trench (ft.) 3
- G. Number of trenches 8 (Primary)
- H. Center-to-center spacing (ft.) 10
- I. Width required (ft.) 73
- J. Width of available area (ft.) 75-121 (Including reserve)
- K. Total square footage required 1648
- L. Square Footage in design 1800
- M. Is a reserve area required? Yes, 100% Reserve provided within area investigated

* NOTE: Secondary treatment of effluent required for shallow placed trenches.