



April 22, 2016

Ms. Dora Cox
137 Old Highway 41
Barnesville, Georgia 30204
dora@doracoxrealty.com

Subject: Level 4 Soil Report
Lots 73 & 74, Cole Forest Subdivision
Lamar County, Georgia

Dear Ms. Cox,

We are pleased to be of assistance on this project. This soil report was prepared in accordance with the Georgia Department of Human Resources Manual for On-Site Sewage Management Systems.

A Level 4 soil survey was conducted at the subject property on April 20, 2016. The soils were classified as belonging to Appling, Appling (shallow variant), Hard Labor, and Chewacla Soil Series. The Appling Soil Series should have the ability to function as a suitable absorption field with proper design, installation, and maintenance. The Appling (shallow variant) Soil Series is rocky and may require a shallow drain field installation and/or test pits to further evaluate rock limitations. The Hard Labor Soil Series is typically avoided due to the presence of a shallow seasonal high water and flooding issues. If the Hard Labor Soil Series is used as an absorption field, a shallow installation, alternative system, and/or additional investigation may be required. The Chewacla Soil Series should be avoided for use as an absorption field.

Soil boring locations and soil series are shown on the attached site plan. Suitability codes and estimated absorption rates are shown on the attached Level 4 Soil Report. If you have any questions or if we can be of further assistance, please call us at (706) 579-1607.

Sincerely,

Mill Creek Environmental, LLC

Connor Welsh
Environmental Scientist

Dan Centofanti, PG, EP
Vice President

LEVEL 4 SOIL REPORT

COUNTY: Lamar DATE: April 20, 2016
CONTACT: Dora Cox
SITE LOCATION ADDRESS: Lots 73 & 74, Cole Forest Subdivision
PHONE NUMBER: (770) 584-4433
SCALE: 1"= 100'

SOIL PROPERTIES

SOIL BORING NUMBR	SOIL SERIES ⁽²⁾ <i>SEE SUITABILITY CODES</i>	SLOPE ⁽¹⁾ <i>RANGES OF SOIL TYPE</i>	RESTRICTIVE/ REFUSAL LAYER ⁽¹⁾ <i>(inches)</i>	DEPTH TO SEASONAL HIGH H ₂ O TABLE ⁽¹⁾ <i>(inches)</i>	ABSORPTION RATE ⁽³⁾⁽⁴⁾ AT RECOMMENDED TRENCH DEPTH <i>(min/inch)</i>	RECOMMENDED ^{(1) (3)} TRENCH DEPTH <i>(inches)</i>	SUITABILITY ⁽⁴⁾ CODE <i>(Listed Below)</i>
		<i>(Verified)</i>	<i>(Verified.)</i>	<i>(Verified)</i>	<i>(Predicted)</i>	<i>(Verified)</i>	
B-1	Appling Soil Series	3%	>72	>72	45	24-36	A
B-2	Appling Soil Series	5%	>72	>72	45	24-36	A
B-3	Appling Soil Series	7%	>72	>72	45	24-36	A
B-4	Appling Soil Series	5%	>72	>72	45	24-36	A
B-5	Hard Labor Soil Series	10%	>72	42	See Code	See Code	C
B-6	Chewacla Soil Series	14%	>24	24	See Code	See Code	F
B-7	Hard Labor Soil Series	6%	>32	32	See Code	See Code	C
B-8	Chewacla Soil Series	5%	>12	12	See Code	See Code	F
B-9	Chewacla Soil Series	7%	>12	12	See Code	See Code	F
B-10	Hard Labor Soil Series	0-2%	>32	32	See Code	See Code	C
B-11	Appling Soil Series	7%	>72	>72	45	24-36	A
B-12	Appling Soil Series	10%	>72	>72	45	24-36	A
B-13	Appling Soil Series	7%	>72	>72	45	24-36	A
B-14	Appling Soil Series	5%	>72	>72	45	24-36	A

B-15	Appling, Shallow Variant Soil Series	6%	48	>48	40	24	<i>R</i>
B-16	Appling Soil Series	4%	>72	>72	45	24-36	<i>A</i>
B-17	Appling Soil Series	2%	>72	>72	45	24-36	<i>A</i>
B-18	Appling Soil Series	5%	>72	>72	45	24-36	<i>A</i>
B-19	Chewacla Soil Series	2%	>10	10	See Code	See Code	<i>F</i>
B-20	Chewacla Soil Series	3%	>20	20	See Code	See Code	<i>F</i>
B-21	Appling Soil Series	7%	>72	>72	45	24-36	<i>A</i>
B-22	Hard Labor Soil Series	5%	>32	32	See Code	See Code	<i>C</i>
B-23	Hard Labor Soil Series	10%	>43	43	See Code	See Code	<i>A</i>
B-24	Hard Labor Soil Series	6%	>35	35	See Code	See Code	<i>C</i>

- 1 Based on field observations.
- 2 Based on USDA NRCS descriptions.
- 3 Based on Georgia DHR Manual for On-Site Sewage Systems, Table CT-1.
- 4 Based on Soil Classifier interpretation of site conditions and soil classification.

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SUITABILITY CODE DESCRIPTIONS & GENERAL NOTES:

- SUITABILITY CODE A:** SOIL SERIES SHOULD HAVE THE ABILITY TO FUNCTION AS A SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.

- SUITABILITY CODE C:** BECAUSE OF FLOODING, SHALLOW SEASONAL WATER TABLES, SOIL HORIZONS WITH VERY SLOW PERCOLATION RATE, PERCHED WATER TABLES, OR IMPERFECT DRAINAGE, THESE SOILS ARE NOT SUITABLE FOR INSTALLATION OF A CONVENTIONAL ON-SITE SYSTEM WITHOUT SITE MODIFICATIONS, SPECIAL DESIGNS OR INSTALLATION.

- SUITABILITY CODE F:** THESE SOILS ARE TYPICALLY NOT SUITABLE FOR USE AS AN ABSORPTION FIELD.

- SUITABILITY CODE R:** THESE SOILS ARE SUITABLE FOR INSTALLATION OF AN ON-SITE SYSTEM. HOWEVER, THEY ARE VERY ROCKY OR STONY WHICH MAY REQUIRE DESIGN MODIFICATIONS INCLUDING INCREASED DRAIN FIELD AREA AND SPECIAL MEASURES FOR EXCAVATIONS AND SYSTEM INSTALLATION.

Miscellaneous Notes:

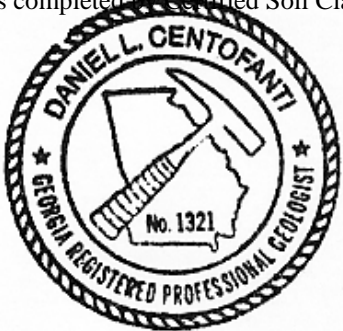
All borings are staked in the field and labeled.

This soil report is in accordance with the standards and regulations set forth in the Georgia Department of Human Resources Manual for On-Site Sewage Management Systems, January 2016. Mill Creek Environmental, LLC does not issue permits for, install, maintain or guarantee the performance of any on-site sewage management system. The County Health Department has the authority to permit on-site sewage management systems on this property and may have a different view of the soil conditions. The County Health Department has final jurisdiction over permitting and regulating on-site sewage management systems.

Any alteration to this report without my expressed, written consent and approval will render this report null and void. Any alteration to the site after the date on which the fieldwork was performed may change the nature and suitability of the site.

This report was completed by Certified Soil Classifier: _____

Dan Centofanti, PG
Georgia Professional Geologist # 1321



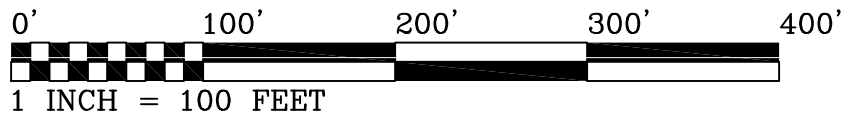
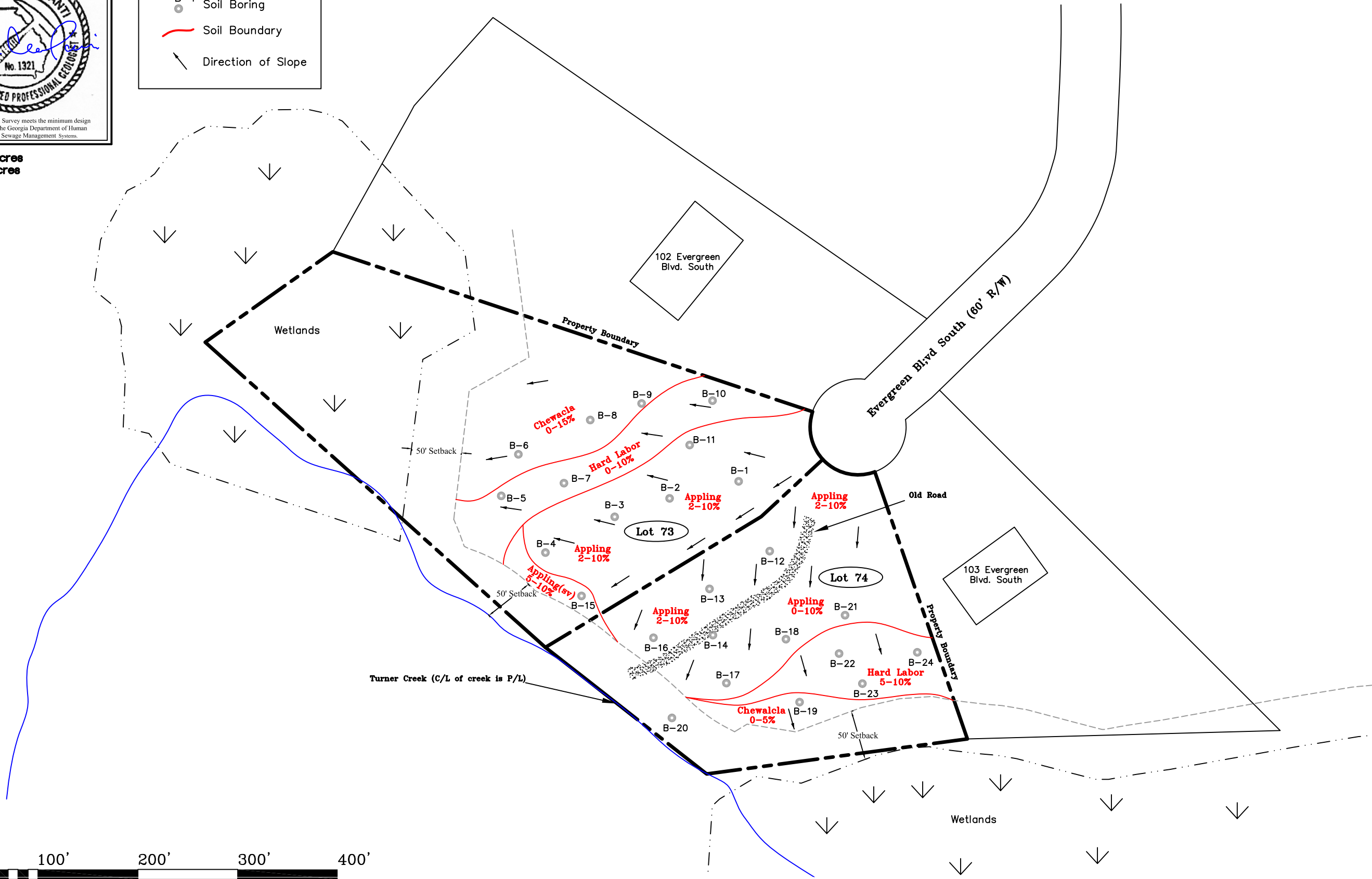
Dan Centofanti, PG
Georgia Professional Geologist #1321

I certify that this Level 4 Soil Survey meets the minimum design requirements established by the Georgia Department of Human Resources Manual for Onsite Sewage Management Systems.

LEGEND

- B-1 Soil Boring
- Soil Boundary
- Direction of Slope

Lot 73: 3.068 Acres
Lot 74: 1.744 Acres



Note:
This is NOT a survey, boundary information is approximate. Boundaries were digitized from a survey provided by client. Mill Creek Environmental, LLC makes no guarantees of boundary information. This map is intended to show soil test locations and soil boundaries.

MILL CREEK ENVIRONMENTAL
1818 Perimeter Road
Dawsonville, GA 30534
Phone: 706-579-1607
Fax: 706-265-4916

LEVEL 4 SOIL SURVEY
Ms. Dora Cox
Lots 73 & 74, Cole Forest S/D
Lamar County, Georgia

PARCEL	044 077 & 044 076	
LAND LOT	66	
CITY	Barnesville	
COUNTY	Lamar	
STATE	GEORGIA	
JOB NUMBER	DATE	
SA-1648-1	4/20/16	
DESIGN	DRAWN	CHECKED
CMW	CMW	DLC

DATE	NO	REVISION