



ENVIRONMENTAL SERVICES

June 6, 2014

Level 3 Soil Report

Enclosed are two originals of the soil analysis we conducted at the requested property. One original is to be submitted to the local environmental health department in the county where the property is located when you apply for a septic permit. The other original is for your records. Our invoice for the soil analysis is also enclosed if you could please remit payment upon receipt. I have included a self addressed stamped envelope to remit your payment for your convenience. If you have any questions concerning the report or if we can be of further assistance, please call our office.

Thank You! We Appreciate Your Business!

Mill Creek Environmental Services, Inc.

A handwritten signature in cursive script, appearing to read "A. Lee".



June 24, 2014

Mr. Rusty McKeller
Pattillo Construction Corp.
5830 East Ponce De Leon Avenue
Stone Mountain, Georgia 30083

Subject: Level 3 Soil Report
Iron Mountain Road, Lot 82
Cherokee County, Georgia


Dear Mr. McKeller,


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 soil survey was conducted at the subject property on June 23, 2014. The soils were classified as belonging to the Hayesville, Hayesville (wet) and Madison (wet) Soil Series. The Hayesville Soil Series should have the ability to function as a suitable absorption field with proper design, installation, and maintenance. Indications of groundwater were encountered at a depth of 60-inches within the areas of Hayesville (wet) and Madison (wet) Soil Series. These areas should also function as a suitable absorption field area provided that a 24-inch separation between the bottom of the drain line trench and the groundwater is maintained. An aerobic pretreatment unit (ATU) may be required if the drain lines are to be installed at a topographic position that is lower (southwest of) than B-1 and B-2 in order to maintain a 24-inch separation. Additional investigation may be required to further delineate the area of Madison (wet) and Hayesville (wet) Soil Series if these areas are used for an onsite septic system.

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 3 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 Services, Inc.


Kerry Benson
Project Biologist


Dan Centofanti, PG
Project Geologist

LEVEL 3 SOIL REPORT

COUNTY: Cherokee DATE: June 23, 2014
CONTACT: Rusty McKeller
SITE LOCATION ADDRESS: Iron Mountain Road, Lot 82
PHONE NUMBER: (770) 200-3646
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 ⁽¹⁾ SEASONAL HIGH H ₂ O TABLE <i>(inches)</i>	ABSORPTION RATE ⁽³⁾⁽⁴⁾ AT RECOMMENDED TRENCH DEPTH <i>(min/inch)</i>	RECOMMENDED ^{(1) (2)} 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	Madison (wet) Soil Series	21%	>72	60	45	30-36	A*
B-2	Hayesville (wet) Soil Series	24%	>72	60	45	30-36	A*
B-3	Hayesville Soil Series	27%	>72	>72	45	30-36	A
B-4	Hayesville Soil Series	27%	>72	>72	45	36-40	A

- 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.

COUNTY: Cherokee	DATE: June 23, 2014
CONTACT: Rusty McKeller	
SITE LOCATION ADDRESS: Iron Mountain Road, Lot 82	
PHONE NUMBER: (770) 200-3646	
SCALE: 1"= 100'	

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 A*: ADEQUATE DEPTH WAS ENCOUNTERED TO SUPPORT AN ONSITE SEPTIC SYSTEM ABOVE INDICATORS OF A WATER TABLE. AN AEROBIC PRETREATMENT UNIT (ATU) MAY BE USED IF INDICATORS OF A WATER TABLE ARE OBSERVED AT A DEPTH OF 48 TO 60-INCHES.

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 2006. Mill Creek Environmental Services, Inc. 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



Project Set-Up By: Cheri
Date: 6/4/14

**SOIL CLASSIFICATION
PROJECT SETUP FORM**

Billing Name: Pattillo Construction Corp - Rusty McKeller
Billing Address: 5830 East Ponce De Leon Ave
City: Stone Mnt State: GA Zip: 30083
Contact Name: Matt Moseley
Phone: Home: _____ Work: 770-200-3646 Rusty
Fax: _____ Cell: 678-410-3568 Email: matt.moseley@bhhsgeorgia.com

Site Information: Please provide as much information as possible. Failure to provide information may result in delayed completion or denial by the local health department.

Site Address: Lot 82 on Iron Mnt Road Cherokee County Canton
(Include Subdivision Name, Lot #, Street, City, County, etc.)

- _____
- emailing Copy of the plat (fax, mail, deliver, or meet at property)
no Approximate house and septic location drawn on plat if known
public Property on public water or well? – draw well location on plat if known
no Are property lines marked on lot? Is house location staked on lot?
septic Purpose: Septic System or Property Transaction?

- Directions to property _____

- _____
- Property Use: Residential
 - Property Size: 6 Acres

Notes: Meet Matt Moseley with Berkshire Hathaway Home Services on site June 23 at 9:30 am
Previous test conducted by the river failed. Looking for new building site.

Terms and Agreement

Mill Creek Environmental Services, Inc. (MCES) agrees to perform a Level 3 Soil Analysis in accordance with industry standards and the Department of Human Resources Manual for On-site Sewage Management Systems. Upon completion of the soil survey the undersigned hereby agrees to pay MCES **\$375.00** for completion of this report. **All fees and charges are due upon receipt of the report.** MCES may charge 12% annual interest for any invoices that are not paid within 30 days and MCES will proceed to collections after 60 days. Client agrees to pay interest and all costs incurred by MCES for the collection of said work. These costs include but are not limited to: attorney's fees, lien of property fees, court costs and collection costs. **Client understands that additional work may be required if soils are determined to be unsuitable or if additional soil classification is required.**

Requested Turn-Around Time 2 weeks
(Date needed)

MCES Job Number SA-1438-1

Signature

Date