

JUST SOILS

JOSEPH A. HINTON
LICENSED SOIL SCIENTIST



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MARCH 21, 2008

SAM SORRELLS
5830 WALL ROAD
TOBACCOVILLE, NORTH CAROLINA 28050

SOIL/SITE EVALUATION

RIDGE RD \$300.00

FORSYTH CO

MARCH 19, 2008

50.00

TRAVEL FEE

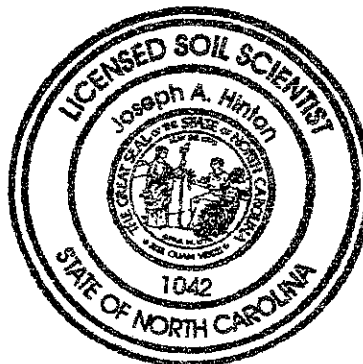
TOTAL

\$350.00

PAID in FULL

MARCH 19, 2008

Joseph A. Hinton



[illegible]

Map Scale
1 inch = 200 feet

a texture of loam and/or sandy loam and found to be structureless. The proper method to evaluate the saprolite based on the "Laws and Rules" would be with the aid of pits. Pits may be needed to evaluate the area denoted on the map with R/B X to determine that the saprolite meets the criteria of provisionally suitable saprolite, Rule .1956(6). The depth to the seasonal high water table is greater than 48 inches. Slopes range from 4 to 7 percent.

FINDINGS

The soil and saprolite properties and characteristics observed in AREA A (RED) were found to be provisionally suitable for the installation of ground absorption sewage treatment and disposal systems. The recommended long-term acceptance rate is .275 gallons per day per square foot.

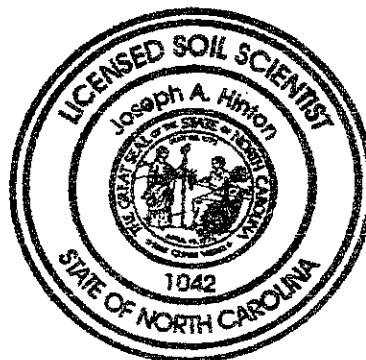
This report discusses and describes the general location of potentially provisionally suitable soil areas for on-site subsurface sewage treatment and disposal systems. Approval and permits as needed by the client or applicant must be obtained from the local health department. An individual septic system permit will be required prior to obtaining a building permit. This will involve a detailed evaluation by the local health department to determine system size and layout, house location, driveway, well if applicable, etc.

Just Soils is pleased to offer you our professional services and look forward to assisting in any of your site analysis needs in the future. If you have any questions or require further assistance, contact me at 336-623-5439 or e-mail josephinton@triad.rr.com.

Respectfully,

Joseph A. Hinton

Joseph A. Hinton
Licensed Soil Scientist



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March 21, 2008

Sam Sorrells
5830 Wall Road
Tobaccoville, North Carolina 27050

Dear Mr. Sorrells,

OBJECTIVE

Just Soils has conducted a soil/site evaluation of a site, PIN 5980-74-1336, located off of Ridge Road in Forsyth County to determine areas of soil and saprolite that have the potential to accommodate ground absorption sewage treatment and disposal systems. Soil means the naturally occurring body of porous mineral and organic materials on the land surface. Soil is composed of sand-, silt-, and clay-particles that are mixed with varying amounts of larger fragments and some organic material. Soil contains less than 50 percent volume as rock, saprolite, or coarse-earth fraction (mineral particles greater than 2.0 millimeters). The upper limit of the soil is the land surface, and its lower limit is "rock", "saprolite", or other parent material. Saprolite is defined by the State as the body of porous material formed in place by weathering of igneous or metamorphic rocks. Saprolite has massive, rock-controlled structure, and retains the fabric (arrangement of minerals) of its parent rock in at least 50 percent of its volume. Saprolite can be dug with hand tools. The lower limit of saprolite is "rock" and its upper limit is "soil" or the land surfaces. The term saprolite does not include sedimentary parent materials.

Just Soils traversed the property observing the landforms, (topographical features, drainage patterns, etc.) and soil conditions (soil horizons, depth, texture, structure, drainage, mineralogy, etc.). This evaluation was conducted with a hand auger in accordance with current soil science practices and technology and the soil/site criteria found in 15 A NCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems." A map of the area evaluated is enclosed.

OBSERVATIONS

AREA A (RED) The surface layer has a texture of loam or clay loam, 7 to 15 inches. The subsurface layer to a depth of 28 to 45 inches has textures of clay and clay loam. Structure appears to be subangular blocky with friable, slightly sticky, slightly plastic consistence. The clay was found to be slightly expansive. Saprolite was observed in the area denoted with R/B Xs below 28 inches to a depth of 48 inches with the hand auger. The saprolite has