

# SHAFFER SOIL SERVICES

685 SANFORD ROAD  
PITTSBORO, N.C. 27312  
919-542-5803

August 12, 2006

John Coffey  
127 Araya Lane  
Chapel Hill, NC 27516

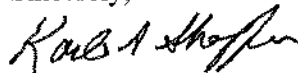
Subject: Soils information on site sketch plan dated August 11, 2006  
Coffey Grounds, Inc. Property  
Buck Branch Subdivision  
Hamlet Chapel Road  
Chatham County, NC

Dear John:

This letter serves as an update to the letter dated July 21, 2006 (attached) on the same property. An attached site plan map dated August 11, 2006 from Van Finch is also attached with this letter. This site plan was used to depict the areas of suitable and provisionally suitable soils that will accommodate septic systems of a conventional or shallow conventional design. The site map also depicts individual septic systems that were assessed in areas that originally appeared marginal for septic systems. In summary, each of the proposed 66 lots can be served by a conventional or shallow conventional septic system. On the lots where no individual septic system area is noted, the lot is deemed suitable as the original intensive survey depicted the areas as consistently suitable (noted as "S" on the site plan map). The survey intensity was adequate to prove that sufficient suitable area on each lot is available for the septic system.

If you have any questions, please feel free to call.

Sincerely,



Karl A. Shaffer  
NC Licensed Soil Scientist  
License No. 1009

attachments: site plan map from Finch dated August 11, 2006  
Shaffer Soil Services letter dated July 21, 2006



# SHAFFER SOIL SERVICES

685 SANFORD ROAD  
PITTSBORO, N.C. 27312  
919-542-5803

July 21, 2006

Mr. John Coffey  
Coffey Grounds, Inc.  
127 Araya Lane  
Chapel Hill, NC 27516

Subject: General soils information and recommendations  
Buck Branch Subdivision  
Hamlet Chapel Road  
Chatham County, NC

Dear John:

I have evaluated the subject property for suitability for septic systems over a number of days during the past 2 years. The purpose of my evaluations was first to perform an overall detailed site suitability map, then to follow up with lot-specific evaluations to insure that all proposed lots have soils suitable for a conventional or shallow conventional type of septic system. The current site plan map is dated July 20, 2006 from Mr. Van Finch, R.L.S.

On this site sketch plan as shown, all lots proposed have suitable or provisionally suitable soils for conventional or shallow conventional septic systems. During the first site evaluation phase, several large areas of suitable soils were located and no further evaluation has been performed or deemed necessary since the subdivision layout has been performed, hence no specific septic system area has been defined for the lots within these areas. For a number of other individual lots, I have defined septic system limits and flagged these on the lots. Each proposed lot is adequate in size to support the septic system plus required repair area for at least a 4-bedroom septic system, with the exception of several lots where a quick septic system layout was performed that may allow for only a 3-bedroom system. The number of bedrooms allotted will be determined ultimately by the LTAR (hydraulic loading rate) assigned by the Chatham County Health Department at permitting time. I encourage the use of innovative technologies with warranties which allow a significant space reduction in the size of the septic drainfield, and hence may allow 4-bedroom permits on all lots.

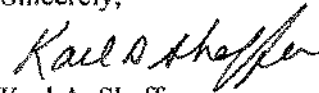
The soils in the area are Appling and Wedowee soils, which are deep to moderately deep and well drained. The subsoil is clayey but not very firm or plastic which allows for the classification of suitable or provisionally suitable for the septic systems. Areas that were classified as unsuitable during my site evaluations have not been proposed for septic areas.

This report represents my professional opinion. The recommendations given in this report will not insure that permits would be either issued or denied for any particular part of the tract or any given number of lots, and likewise will not insure that a specific type and size

of wastewater system will be allowed. These decisions will be made by the staff of the Chatham County Health Department. Also, this report does not indicate any guarantee that an installed system will function properly for a specified amount of time. Proper function of wastewater systems is dependent on proper installation procedures as well as owner maintenance.

I appreciate the opportunity to perform this service for you. If you have any questions, please feel free to call.

Sincerely,



Karl A. Shaffer  
NC Licensed Soil Scientist  
License No. 1009

