

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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28 January 2019

Mr. Jason Bethune
Johnson Properties
PO Box 310
Angier, NC 27501

Reference: Preliminary Soil Investigation
Lot 3 Frank Paschal Heirs; NC Pin 0640-80-8413

Dear Mr. Bethune,

A site investigation has been conducted for the above referenced property, located at the termination of Barnes Avenue in Harnett County, North Carolina. The purpose of this investigation was to determine the site's ability to support subsurface sewage waste disposal systems. All sewage disposal ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". This report represents my professional opinion as a Licensed Soil Scientist but does not guarantee or represent permit approval for any lot by the local Health Department. An improvement permit for all residences will need to be obtained from the Health Department that specifies the proposed home size and location, and the design and location of the septic system to be installed.

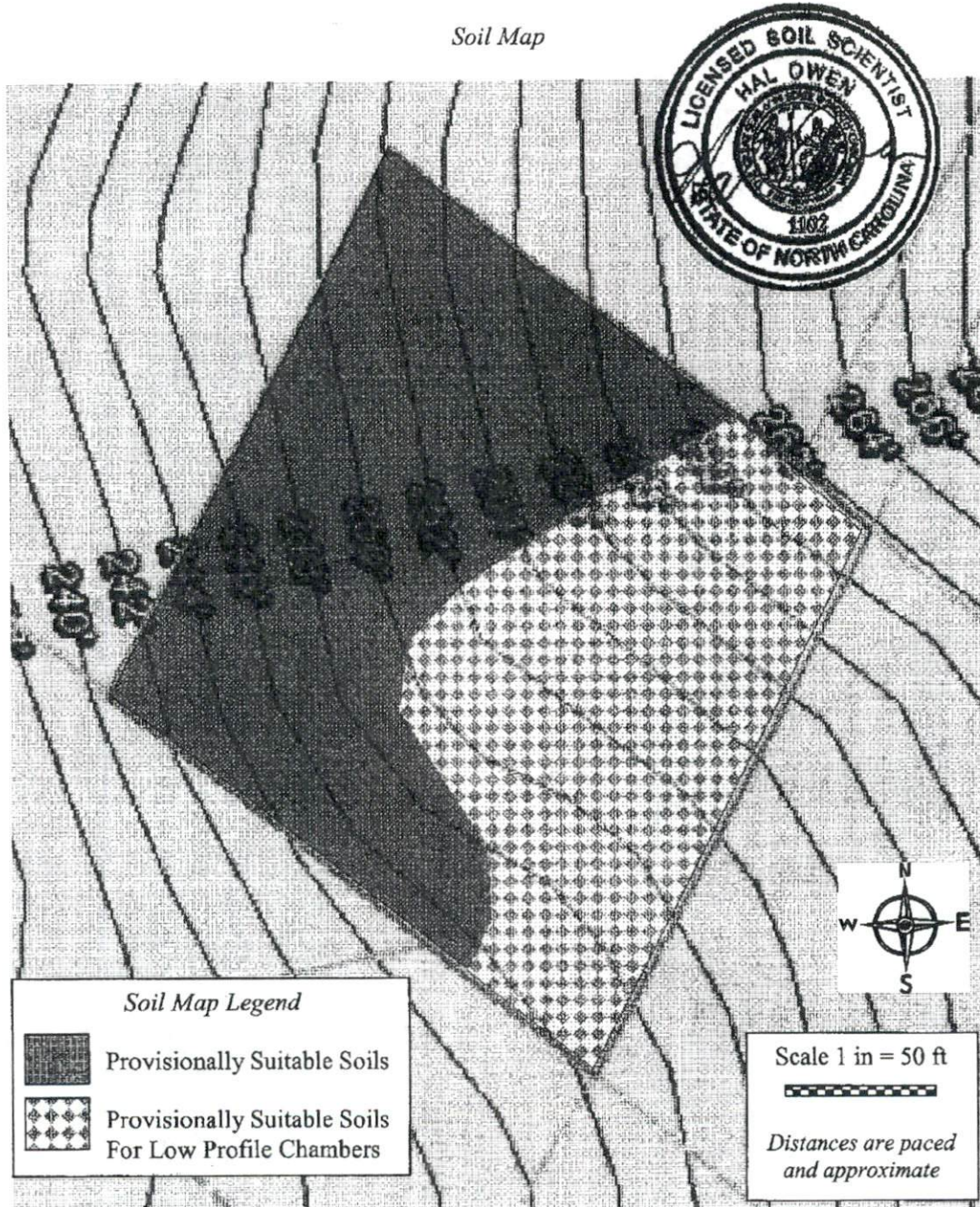
This property is composed of a mixture of soils that range from provisionally suitable to unsuitable for subsurface sewage waste disposal (see attached map). The soils shown as provisionally suitable will adequately function as sewage waste disposal sites but will require additional drainline due to clayey textured subsoil characteristics. You should expect that 75 feet of accepted status drainlines (EZ Flow or chamber) would be required for the initial system per bedroom in the home.

The soils shown as provisionally suitable for ultra-shallow low profile chamber systems are limited in soil depth to the extent that low profile chamber will likely be required. Systems installed in the northeastern part of the lot will necessitate the addition of approximately 6 inches of topsoil to completely cover the system. You should expect that 100 feet of low profile chamber drainline would be required for the initial system per bedroom in the home. This soil area could also be used for subsurface drip systems.

It appears that the soils on this lot are adequate to support a septic system and repair area for a four bedroom residence.

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Soil Map



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I appreciate the opportunity to provide this service and trust that you will feel free to call on me again in the future. If you have any questions or need additional information, please contact me at your convenience.



Sincerely,

A handwritten signature in cursive script that reads "Hal Owen".

Hal Owen
Licensed Soil Scientist