

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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19 July 2018

Mr. Ray Womble
84 Strickland Lane
Lillington, NC 27546

Reference: Preliminary Soil Investigation
Kevin O'Connell Property, NC PIN 0645-32-5747

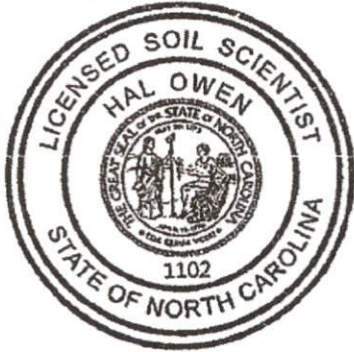
Dear Mr. Womble,

A site investigation has been conducted for the above referenced property, located on the eastern side of Christian Light Road 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 suitable to unsuitable for subsurface sewage waste disposal (see attached map). The soils shown as suitable and provisionally suitable will adequately function as sewage waste disposal sites. The suitable soils are sandy and excellent for residential purposes. You should expect that about 70 feet of conventional drainline would be required for the initial system per bedroom in the home. These high quality soils were observed at the rear of the tract except along the southern property boundary where clayey textured subsoils were observed. Clayey textures require that the soils be classified as provisionally suitable. These provisionally suitable soils, observed along the southern property boundary and at the front of the tract, will adequately function as sewage waste disposal sites but will require additional drainline due to clayey textured subsoil characteristics. You should expect that about 100 feet of conventional drainline would be required for the initial system per bedroom in the home. Some of the provisionally suitable soils at the front will require ultra shallow drainlines and the addition of topsoil.

The unsuitable soil area is so rated due to excessive soil wetness, inadequate soil depth, and/or unsuitable landscape position in the concave shaped area at the head of the pond. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal. The unsuitable soils shown on the ridgetop and higher elevations of the site have been significantly disturbed in the past. Some of this area may be adequate to support septic systems but little effort was spent trying to separate the good from the bad. This upland area will likely support building foundations, and the home could be sited in this area.

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


Preliminary Soil Investigation
Kevin O'Connell Property
NC PIN 0645-32-5747
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Soil Map

Soil Map Legend

	Suitable and Provisionally Suitable Soils
	Provisionally Suitable Soils
	Unsuitable Soils

Scale 1 in = 100 ft



Distances are paced
and approximate

