

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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8 May 2019

Christine Lee

Reference: Preliminary Soil Investigation  
Freedom Lane Property (NC PIN 9598-22-4195)

Dear Mrs. Lee,

A soil investigation has been conducted at the above referenced property, located on the northern side of Freedom Lane, Barbecue Township, Harnett County, North Carolina. The purpose of this investigation was to determine the site's ability to support a subsurface sewage waste disposal system and repair area for a typical four bedroom residence. All soil ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". It is our understanding that individual septic systems and a well will be utilized at this site. 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.

The investigated portion of this property was observed to be underlain by provisionally suitable soils for subsurface sewage waste disposal. These provisionally suitable soils were observed to be firm clays to greater than 36 inches and appear adequate to support a long term acceptance rate of 0.3 gal/day/sqft. You should expect that 133 feet of conventional drainline would be required for each bedroom in a proposed home. It appears that the soils on this property are adequate to support a conventional septic system and repair area for at least one residence.

The unsuitable soil area is so rated due to unsuitable landscape position. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal.

I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

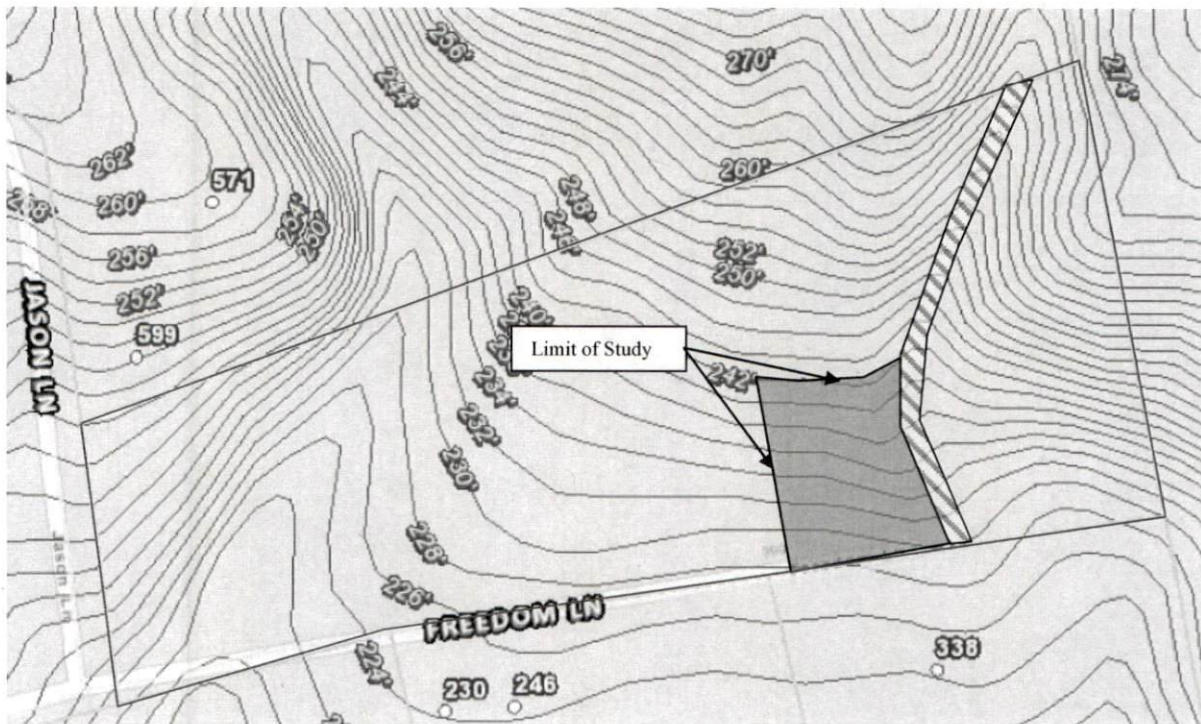



Sincerely,

Hal Owen  
Licensed Soil Scientist

Preliminary Soil Investigation  
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Soil Map



Scale 1 in = 200 ft  
  
*Distances are paced  
and approximate*



Soil Map Legend

	Provisionally Suitable Soils
	Unsuitable Soils