

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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29 October 2019

Donald McKoy  
Sylvia McKoy  
185 Monts Lane  
Erwin, NC 28339-8443

Reference: Preliminary Soil Investigation  
Lot 12 Thornton's Creek Subdivision  
NC PIN 0588-28-9738

Dear Mr. and Mrs. McKoy,

A site investigation has been conducted for the above referenced property, located at 270 Thornton's Creek Drive in the Grove Township of 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 this lot by the local Health Department. An improvement permit 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 soils were evaluated under moist soil conditions through the advancing of auger borings. A portion of this lot was observed to be underlain by soils that are rated as provisionally suitable soils for subsurface sewage waste disposal (see attached map). These provisionally suitable soils were observed to be firm sandy clay loams to greater than 20 inches and will support long term acceptance rates of 0.4 gal/day/sqft. In other words, you should expect between 80 to 100 feet of conventional drainline would be required per bedroom in the proposed home. The unsuitable soil area is so rated due to inadequate soil depth to excessive soil wetness conditions and/or unsuitable landscape position. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal. Some of this area will likely support building foundations, and a home could be sited in this area as shown on the map.

It appears that the soils on this lot are adequate to support a conventional septic system and repair area for a three or four bedroom residence. The house should be located near the front of the lot and a pump will be necessary to lift effluent uphill to a septic system located in the usable soil 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.



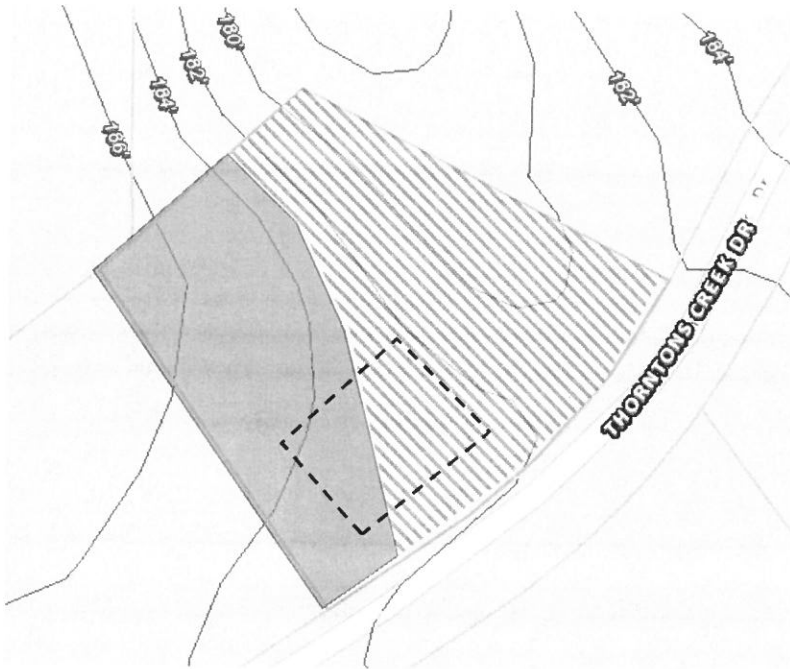
Sincerely,

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




Hal Owen  
Licensed Soil Scientist

Preliminary Soil Investigation  
Lot 12 Thornton's Creek Subdivision  
NC PIN 0588-28-9738  
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Soil Map



*Soil Map Legend*

	Provisionally Suitable Soils
	Unsuitable Soils
	Proposed House Site

Scale 1 in = 100 ft



*Distances are paced  
and approximate.  
Not a survey.*

