

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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12 September 2017

Mr. Aaron Thomas

Reference: Preliminary Soil Investigation

Lot 7A Fred Hobbs; NC PIN 0557-15-6499

Dear Mr. Thomas,

A site investigation has been conducted for the above referenced property, located on the southern side of McNeill-Hobbs 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.

A portion of this property was investigated and found to be underlain by provisionally suitable soils for subsurface sewage waste disposal (see attached map). These soils will adequately function as sewage waste disposal sites but will require additional drainline due to clayey textured subsoil characteristics. Soil borings marked with blue flags are the higher quality soils. Soil borings marked with white flags may require the addition of about six inches of soil material to cover the drainlines. You should expect that about 100 feet of conventional drainline would be required for each bedroom in a proposed home. It appears this area is adequate to support the septic disposal needs of the four bedroom home and the three bedroom home that your desire. However, the area does not appear large enough for either home to be sited within the usable soil area. Both homes will need to be sited elsewhere and effluent pumps utilized to move the sewage water uphill from the homes to the drainfields. A twenty foot separation will be required between the two systems, but a variety of design formats is likely available.

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,

Hal Owen  
Licensed Soil Scientist




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*Soil Map*



*Soil Map Legend*

 Provisionally Suitable Soils

Scale 1 in = 100 ft



*Distances are paced  
and approximate*

