

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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17 September 2020

Mr. Bill Lamm  
Mrs. Karen Lamm

Reference: Preliminary Soil Investigation  
Minor Subdivision for William C. & Karen P. Lamm

Dear Mr. and Mrs. Lamm,

A soil investigation has been conducted at the above referenced property, located on the western side of Bethel Church Road (SR 1550) and the northern side of Denning Road (SR 1549) in the Grove Township of Harnett County, North Carolina. The purpose of the investigation was to determine the ability of each lot to support a subsurface sewage waste disposal system and repair area for a typical three-bedroom home. It is our understanding that individual septic systems and public water supplies will be utilized at this site.

All soil 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 each of lots 2-4 was observed to be underlain by provisionally suitable soils for subsurface sewage waste disposal. These provisionally suitable soils were observed to be firm and friable sandy clay loams to greater than 24 inches and appear adequate to support long term acceptance rates of 0.4 to 0.5 gal/day/sqft. It appears that the soils on each lot are adequate to support a conventional septic system and repair area for a three or four bedroom residence.

Lot 4 has an existing residence with an existing septic system that appeared to be functioning properly on the day of the investigation. This existing septic system appeared to be located within any setback requirements for this property. A soil investigation was conducted and it appears that an adequate amount of provisionally suitable soil exists on this lot to 100 % repair the system if it should fail.

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This soil investigation report and map, when provided to the Harnett County Health Department, should allow them to sign the maps for recordation. 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,

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

Hal Owen  
Licensed Soil Scientist

Preliminary Soil Investigation  
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Soil Map



**Soil Map Legend**

- Provisionally Suitable Soils
- Unsuitable Soils

Scale 1 in = 150 ft

Distances are paced and approximate

