

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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12 May 2021

Mr. Donnie Carl Hamilton  
Mrs. Becky P. Hamilton  
2628 NC 82 Dunn, NC 28334

Reference: Preliminary Soil Investigation  
687 Hog Heaven Lane, Dunn, NC; PIN 1506-15-0948

Dear Mr. and Mrs. Hamilton,

A site investigation has been conducted for a portion of the above referenced property, located on the western side of Hog Heaven Lane 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.

The soils were evaluated under moist soil conditions through the advancing of auger borings. The soils in the power line easement were not investigated. The investigated portion of the property was observed to be underlain by a mixture of soils that range from provisionally suitable for modified or alternative systems to unsuitable for subsurface sewage waste disposal (see attached map).

The soils shown as provisionally suitable for modified or alternative systems will adequately function as sewage waste disposal sites. Due to clayey textured subsoil characteristics, you should expect that 300 feet of accepted status (EZ-Flow or chamber) drainline would be required for the initial system of a three-bedroom home. Some of these soils are limited in usable soil depth to an unsuitable soil wetness condition to the extent that systems that can be installed ultra shallow will be required and it may be necessary to add approximately 6 inches of topsoil to completely cover the system. This area appears adequate to support the subsurface sewage disposal needs (initial system and repair system) of a three or four bedroom home.

The soils indicated as provisionally suitable soils for low profile chamber systems are even more limited in usable soil depth. In these shallow usable soils, a special type of drainline called low profile chamber can be installed, which is then covered with 6 inches of topsoil. You should expect that 400 to 500 feet of low profile chamber drainline would be required in this soil type for a three-bedroom 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.

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  
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Soil Map




*Soil Map Legend*

|   |  |
|---|--|
|  | Provisionally Suitable Soils For Modified or Alternative Systems |
|  | Provisionally Suitable Soils For Low Profile Chambers            |
|  | Unsuitable Soils   |



Scale 1 in = 300 ft



*Distances are paced and approximate*

