

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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26 February 2020

Steve Minor

Reference: Preliminary Soil Investigation

Property on Turlington Road, Dunn NC (~7 Acres)

PIN 1509-61-2392.000

Dear Mr. Minor,

A site investigation has been conducted for the above referenced property, located on the southern side of Turlington Road (SR 1723) 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 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 site was observed to be dominantly underlain by soils that are rated as provisionally suitable for subsurface sewage waste disposal (see attached map). The soils shown as provisionally suitable will adequately function as sewage waste disposal sites. Due to clayey textured subsoil characteristics, you should expect that 80 to 100 feet of conventional or accepted status drainline would be required for the initial system per bedroom in the home. Included within the provisionally suitable soil area are soil areas that are more limited in usable soil depth to the extent that systems that can be installed ultra shallow will likely be required. This requirement will necessitate the addition of approximately 6 inches of topsoil to completely cover the system. It is likely that ultra shallow conventional type systems can be utilized at this site when limited soil depths are observed but you should expect that 100 to 150 feet of conventional drainline would be required for the initial system per bedroom in the home. These more marginal soils were observed near the boundary with the unsuitable soil areas. The soils on this property appear adequate to support the subsurface sewage waste disposal needs of several residences.

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. A disturbed area was observed near the rear of the tract that may be unsuitable for septic systems.

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 black ink that reads "Hal Owen".

Hal Owen  
Licensed Soil Scientist

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*Soil Map*

