

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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01 May 2025

Jeff Thompson

Reference: Preliminary Soil Investigation
Stockyard Road, Lot 3A; PIN 0559-41-2853

Dear Mr. Thompson,

A site investigation has been conducted for the above referenced property, located on the northern side of Stockyard Road in Harnett County, North Carolina. The purpose of this investigation was to determine the site's ability to support subsurface wastewater dispersal systems. This report and map are intended for planning purposes only and not for lot recordation.

All sewage disposal ratings and determinations were made in accordance with the Rules for "Wastewater Treatment and Dispersal Systems", 15A NCAC 18E. 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 application for an approved wastewater system shall be made to the Local Health Department that specifies the proposed building size and location and the design and location of the wastewater system to be installed.

The soils were evaluated under moist soil conditions through the advancing of auger borings. This evaluation included observations of topography and landscape position, soil morphology (texture, structure, clay mineralogy, organics), soil wetness, soil depth, and restrictive horizons. Soils units shown on the attached map represent dominant soil types with similar profiles but may include minor components of contrasting soil types.

The soils shown as suitable for low profile chamber systems are limited in soil depth to the extent that low profile chamber type drainlines installed at-grade will likely be required. Due to ultra shallow trench depths, the addition of approximately six inches of approved soil will be necessary to completely cover the system. You should expect that approximately 130 feet of low profile chamber drainlines would be required for the initial system per bedroom in any proposed residence.

The unsuitable soil area is so rated due to inadequate soil depth to excessive soil wetness conditions and/or unsuitable landscape position. The potential to modify these areas to allow for subsurface wastewater dispersal systems is severely limited. Some of this area will likely support building foundations, and homes could be sited in this area. Wastewater systems that utilize pumps to conventional drainlines are recommended if you wish to locate homes on unsuitable soils and attempt to maximize the usable portion of the property.

The soils underlying the front of this property appear adequate to support the subsurface wastewater dispersal system needs of a four-bedroom residence. IN order to achieve this, the proposed residence and driveway will need to be placed in such a way as to not impact any of the usable soil area. The proposed driveway will need to hug the western property line as much as possible. 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,



Britt Wilson
Licensed Soil Scientist



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SOIL MAP

