

# HAL OWEN & ASSOCIATES, INC.

## SOIL & ENVIRONMENTAL SCIENTISTS

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21 January 2025

Barry Blevins  
Harnett County

Reference: Soil and Wetland Reconnaissance  
US 421 N; PIN 0630-67-7502

Dear Mr. Blevins,

A site investigation has been conducted for the above referenced property, located on the northern side of US 421 N in Harnett County, North Carolina. The purpose of this investigation was to determine the site's ability to support subsurface wastewater dispersal systems; and to determine the existence, extent, and location of areas that meet the criteria for wetlands and surface waters on the property. This report and attached 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.

All wetland determinations were made in accordance with the 1987 US Army Corps of Engineers Wetland Delineation Manual and subsequent regional supplements. All stream determinations were made in accordance with the NC Division of Water Resources *Methodology for Identification of Intermittent and Perennial Streams and their Origins, Version 4.11*. This report represents my professional opinion but does not represent the exact wetland boundaries or concurrence by the US Army Corps of Engineers ([USACE](#)) or the NC Division of Water Resources ([NCDWR](#)).

### PRELIMINARY SOIL INVESTIGATION

The soils were evaluated under moist soil conditions through the advancing of auger borings. This evaluation included observations of soil morphology (texture, structure, clay mineralogy, organics), topography, and landscape position.

The entire property appeared to be underlain by suitable soils. It is recommended that lots be designed that contain at least 20,000 square feet in areas serviced by public or community water supplies. Developing lots with individual wells will necessitate an additional 10,000 square feet at minimum. The soils appear capable of supporting loading rates of 0.4 to 0.5 gal/day.

## PRELIMINARY WETLANDS INVESTIGATION

The site investigation was accomplished by direct examination of the physical attributes of the site and soil auger borings taken at various points across the site. Wetland determinations were based on the three-parameter approach involving indicators of hydrophytic vegetation, hydric soils, and wetland hydrology. Under normal circumstances, positive indicators of each of these parameters must be present for an area to satisfy the criteria for wetlands.

No wetland areas were observed on the property.

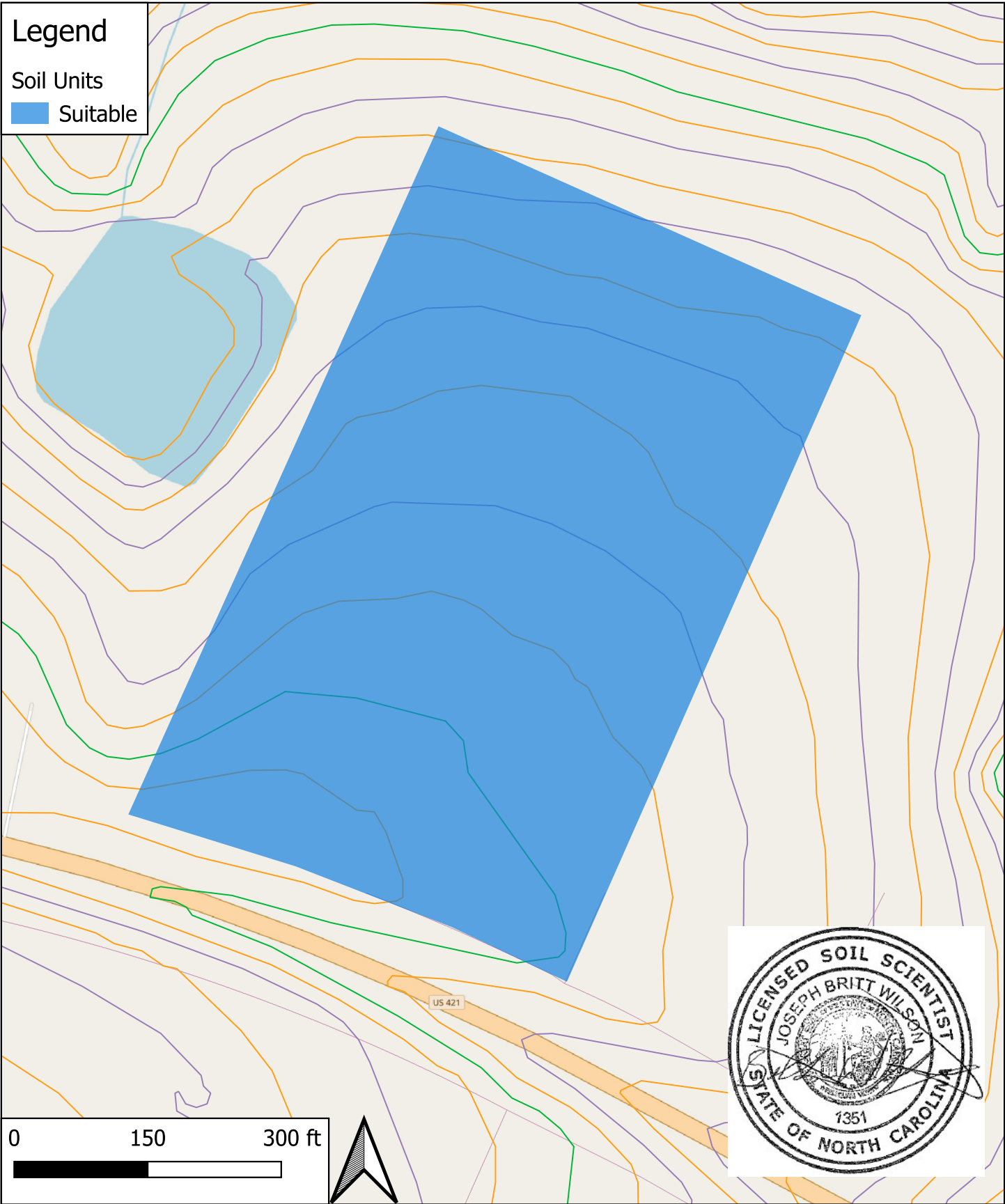
I appreciate the opportunity to provide this service and trust that you will feel free to call on me again in the future. If you have any questions or need additional information, please contact me at your convenience.



Sincerely,



Britt Wilson  
Licensed Soil Scientist



<p>Hal Owen &amp; Associates Inc. PO Box 400, Lillington, NC 27546 <a href="http://www.halowensoil.com">www.halowensoil.com</a> 919-893-8743</p>	<p>US 421 N PIN 0630-67-7502 21 January 2025</p>	<p>Figure 1 Soil Map for Septic Suitability For reference only. Not a survey.</p>
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