

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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18 June 2024

Phyllis Helms

Reference: Preliminary Soil Investigation

Beaver Court, Youngsville NC; PIN: 1882-02-8533

Dear Mrs. Helms,

A site investigation has been conducted for the above referenced property, located on the northwestern side of Beaver Court in Franklin 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 or permitting.

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 on the attached map are adequate to support subsurface wastewater dispersal systems. You should expect that 60 to 90 feet of conventional drainline would be required for the initial system per bedroom in the home. This entire soil unit should be reserved for the wastewater system and the home should be located elsewhere.

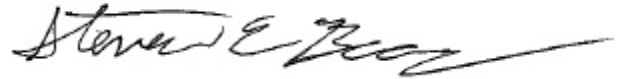
The soils indicated as suitable soils for drip systems are limited in usable depth to the extent that subsurface drip dispersal systems will be required. Additional soil testing and pretreatment filters will also likely be required. Pretreatment and drip systems are significantly more expensive and are recommended only for use as repair areas.

The unsuitable soil area is so rated due to inadequate soil depth to bedrock, soil wetness conditions, or to proximity to surface water features. 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 some of these areas.

It appears that the soils underlying this lot are adequate to support the subsurface wastewater dispersal system needs of at most a three-bedroom residence. The home will need to be located completely outside of the suitable soil area.

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

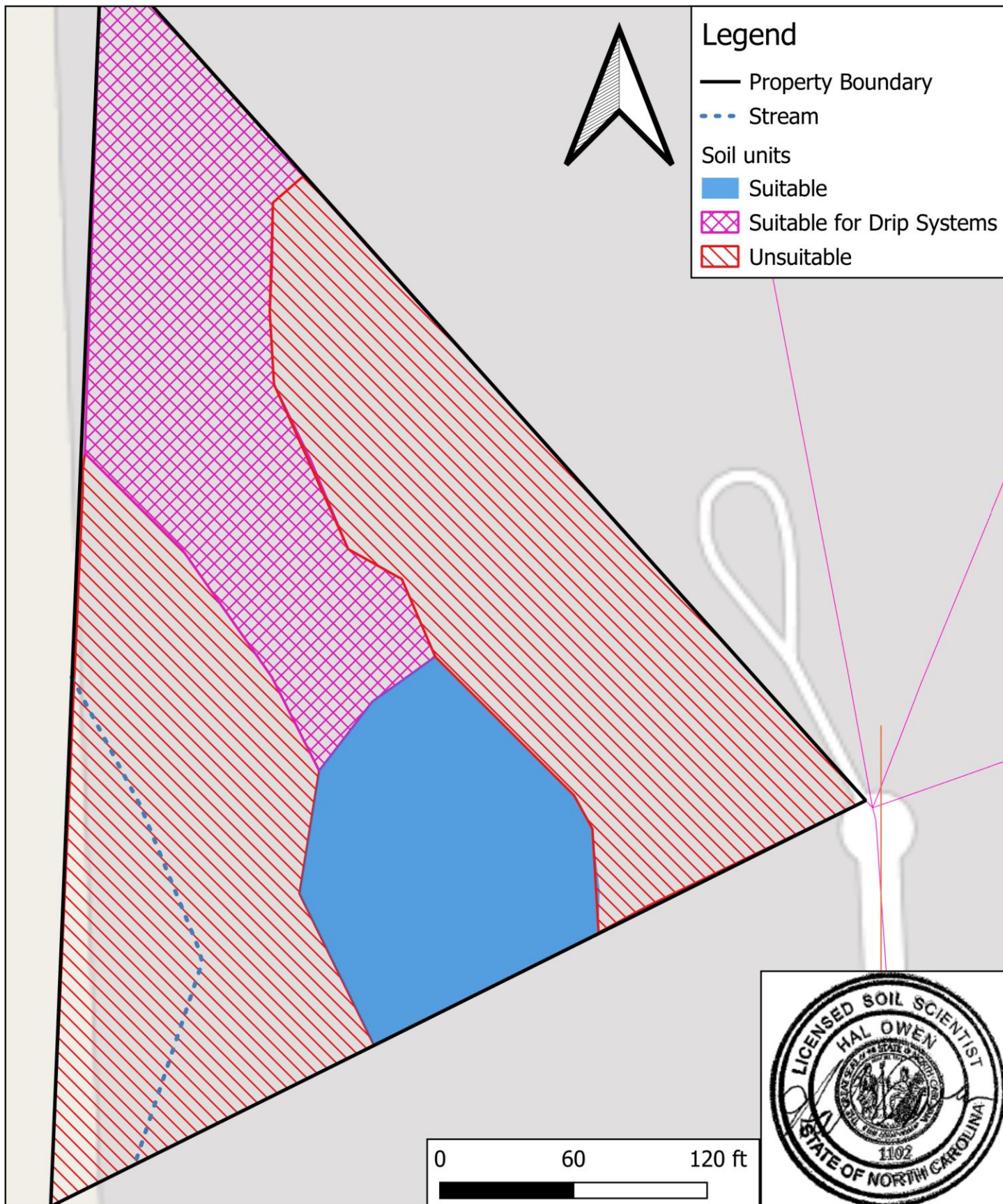
Sincerely,



Steven E. Boor
Soil Associate III



Hal Owen
Licensed Soil Scientist



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Phyllis Helms
Beaver Court, PIN: 1882-02-8533
Franklin County, NC

Soil Map for Septic Suitability
For reference only. Not a survey.