

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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18 April 2023

Lori Woodard  
155 Arbor Loop  
Angier, NC 27501

Reference: Preliminary Soil Investigation  
NC-27 W (20.93 Acres), Cameron NC, PIN: 9565-99-1454

Dear Lori Woodard,

A site investigation has been conducted for a portion of the above referenced property, located on the east side of NC-27 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 investigated portion of this property was observed to be dominantly underlain by soils that are rated as provisionally suitable for subsurface sewage waste disposal (see attached map). These soils will adequately function as sewage waste disposal sites. Due to clayey textured subsoil characteristics, you should expect that 60 to 85 feet of chamber drainline would be required for the initial system per bedroom in the home.

It appears that the soils in the investigated area are adequate to support the subsurface sewage waste disposal needs of a typical three-bedroom home. A pump will be necessary to lift effluent from the proposed home site to the drainfield. As you move away from the uplands and towards the pond the soils degrade in quality and become unsuitable.

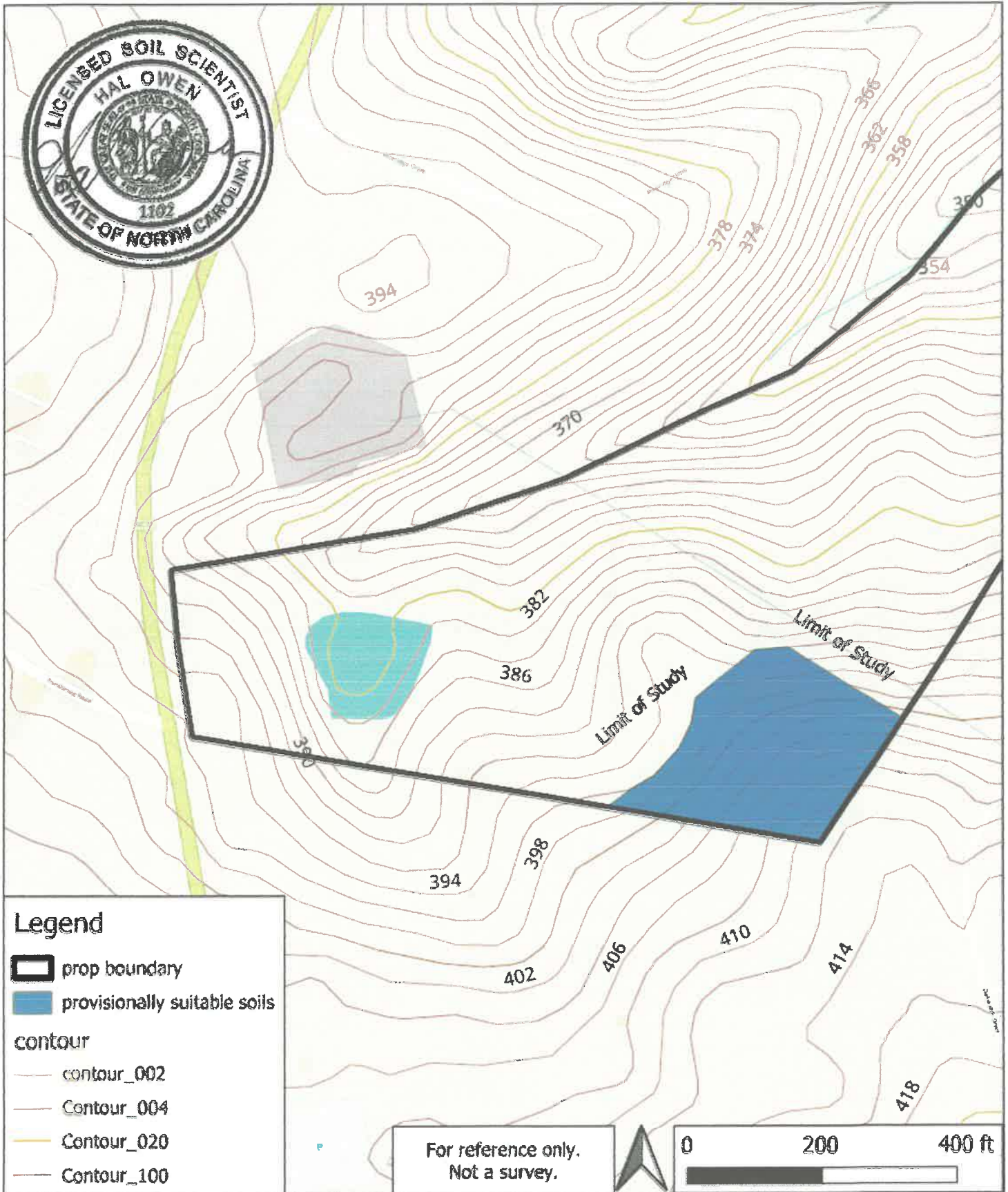
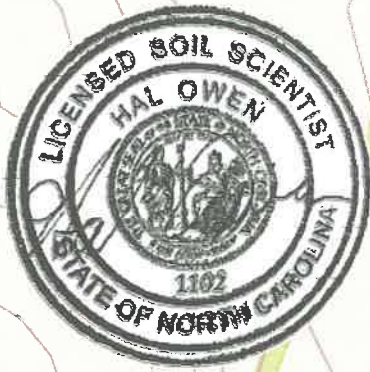
I appreciate the opportunity to provide this service and trust that you will feel free to call on me again in the future. If you have any questions or need additional information, please contact me at your convenience.



Sincerely,

A handwritten signature in black ink that reads "Hal Owen". The signature is written in a cursive, flowing style.

Hal Owen  
Licensed Soil Scientist



**Legend**

- prop boundary
- provisionally suitable soils
- contour
- contour\_002
- Contour\_004
- Contour\_020
- Contour\_100

For reference only.  
Not a survey.



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For Lori Woodard  
NC 27 W, Cameron NC  
PIN: 9565-99-1454

Figure 1  
Soil Map for Septic Suitability  
14 April 2023