

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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7 February 2020

Mr. Greg Hobbs

Reference: Preliminary Soil Investigation
6216 Ponderosa Road; NC PIN 9568-68-0133

Dear Mr. Hobbs,

A site investigation has been conducted for the above referenced property, located on the eastern side of Ponderosa Road (SR 1201) in the Johnsonville 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.

A portion of this property was investigated and found to be underlain by a mixture of soils that range from provisionally suitable to unsuitable for subsurface sewage waste disposal (see attached map). The soils shown as provisionally suitable (blue flags) will adequately function as sewage waste disposal sites but will require additional drainline due to clayey textured subsoil characteristics. You should expect that 80 - 100 feet of conventional drainline would be required for the initial system per bedroom in the home. Some of the soils in these areas are limited in soil depth to the extent that systems that can be installed ultra shallow will likely be required (white flags). This requirement will necessitate the addition of approximately 6 inches of topsoil to completely cover the system. A significant amount of additional usable soil areas are available on this property.

The unsuitable soil area is so rated due to excessive soil wetness and/or inadequate soil depth. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal. Some of this area will likely support building foundations, and homes could be sited in this area. Septic 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.

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 cursive script that reads "Hal Owen".

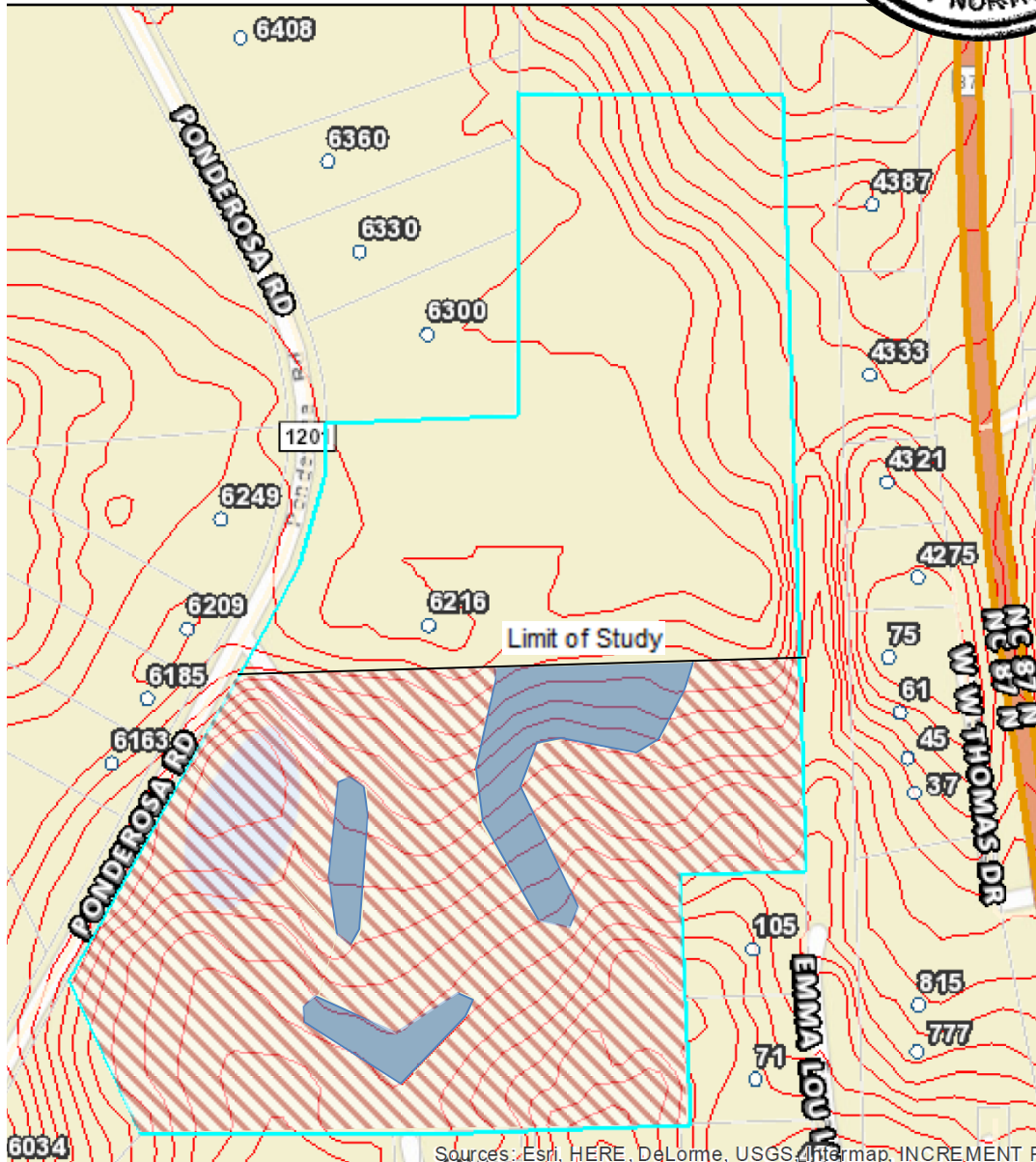
Hal Owen
Licensed Soil Scientist

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Soil Map

Harnett GIS




Soil Map Legend

	Provisionally Suitable Soils
	Unsuitable Soils

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P,...

Scale 1 in = 300 ft



Distances are paced and approximate.
Not a survey

