

# HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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4 December 2019

Ms. Angie Lyon  
RE/MAX Southern Properties  
1667 Buffalo Lake Rd.  
Sanford, NC 27332

Reference: Preliminary Soil Investigation  
1718 Ponderosa Rd, Cameron NC; NC PIN 9566-56-3010

Dear Ms.Lyon,

A site investigation has been conducted for the above referenced property, located on the southeastern 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.

This property was observed 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 will adequately function as sewage waste disposal sites. You should expect that 50 to 80 feet of conventional drainline would be required for the initial system per bedroom in the home.

This property appears adequate to support two residences. The existing septic system for the existing house is located on the northern side of the property as shown on the attached sketch and will need to be abandoned. It appears that the best way to proceed will be to make one lot on the northern end of the property, being approximately 120' wide on Ponderosa Rd and going to the existing angle change at the rear of the property, provided that meets minimum zoning requirements. The placement of the house can be at or near where the existing drain lines are located. The remainder of the property will be the other lot.

The unsuitable soil area is so rated due to inadequate soil depth to excessive soil wetness conditions. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal.

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.



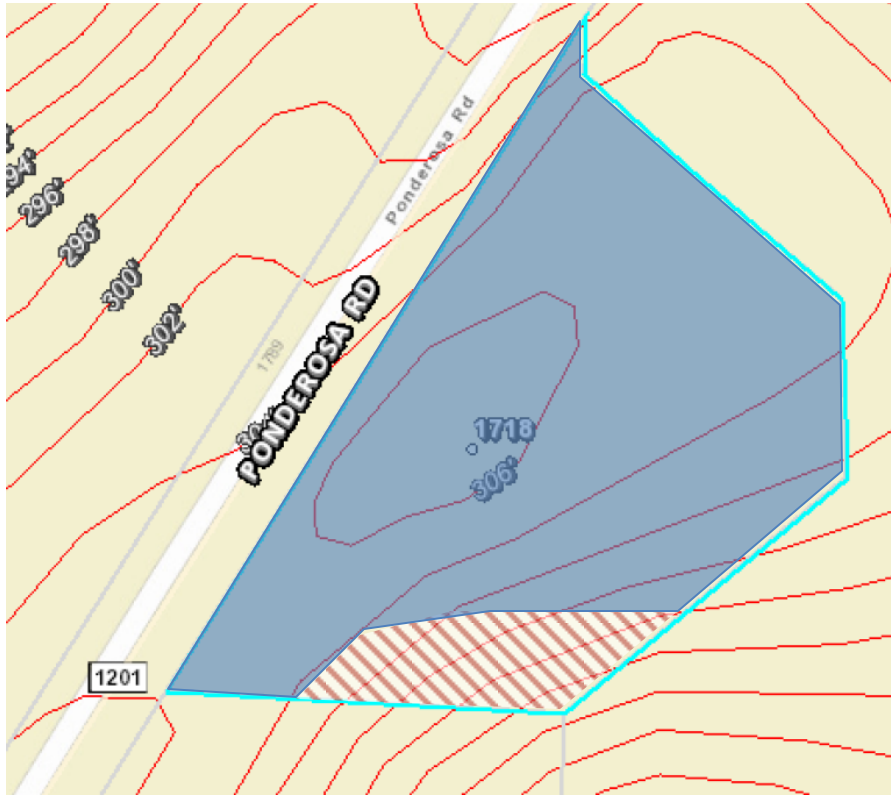
Sincerely,

A handwritten signature in black ink that reads "Hal Owen".

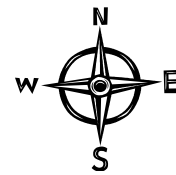
Hal Owen  
Licensed Soil Scientist

Preliminary Soil Investigation  
1718 Ponderosa Rd, Cameron NC; NC PIN 9566-56-3010  
4 December 2019



*Soil Map*



Scale 1 in = 100 ft  
██████████  
Distances are paced  
and approximate



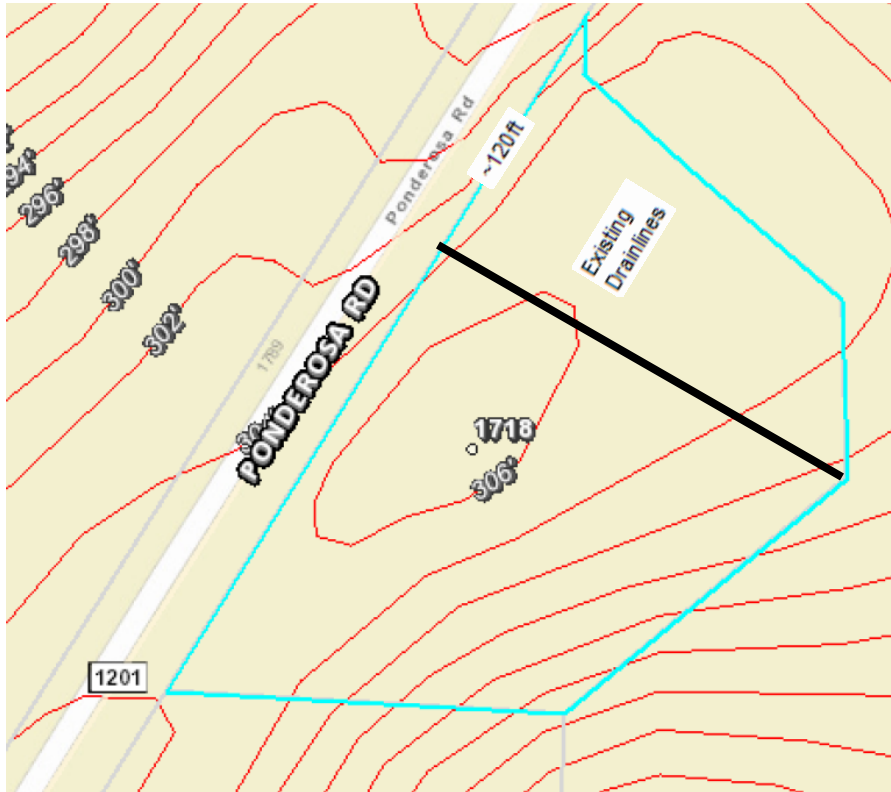
*Soil Map Legend*

	Provisionally Suitable Soils
	Unsuitable Soils



Preliminary Soil Investigation  
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2 December 2019

*Potential Lot Configuration*



Scale 1 in = 100 ft  
██████████  
Distances are paced  
and approximate

