

HAL OWEN & ASSOCIATES, INC.

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16 June 2016

Mr. Robert Bennett
Bennett Surveys
1662 Clark Road
Lillington, NC 27546

Reference: Preliminary Soil Investigation
Amy Elizabeth Taylor, PIN 9576-39-6843

Dear Mr. Bennett,

A site investigation has been conducted for the above referenced property, located on the eastern side of Bullard Road (SR 2196) in the Barbecue 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.

This property is dominated by unsuitable soils for subsurface sewage waste disposal due to past mechanical disturbances. It appears that the upper soil layers have been removed from most of this lot making it unsuitable 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.

A small area of usable soils was observed in the western corner of the lot, along the road frontage (see attached map). The soils in this area were observed to be complex and ranged in characteristic from soils that are excellently suited for septic systems to soils that just barely are adequate enough. One observation within the area looked like it had been mechanically disturbed to the point that it cannot be used at all, but it probably is not very big. The usable soil area may be adequate to support the septic needs of one residence with two bedrooms but a more detailed soil investigation and septic system design work will be needed. To attempt to provide a septic system design the vegetation on the front of the lot needs to be removed or significantly thinned. The soils must not be further disturbed in the process of clearing. The home will need to be located behind the usable soil area and a pump will be necessary to deliver the sewage effluent from the home to the drainfield in the front. This lot may not work for a residence, but a small commercial operation with a low daily effluent flow might be a better option, if zoning regulations will allow.

Bullard
Rd Land

RIGHT of
Hwy 87