

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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7 July 2022

Jason Wallace

Reference: Reconnaissance Soil Investigation

Holly Grove School Road; Parcel ID 00008178

Approximately 110 Acres

Dear Mr. Wallace,

A site investigation has been conducted for the above referenced property, located on the northern and southern side of Holly Grove School Road in Moore 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. Most of the provisionally suitable soil areas are limited in useable depth to the extent that systems that can be installed ultra shallow will likely be required. This requirement will necessitate the addition of approximately 6 inches of topsoil to completely cover the system. It is likely that ultra shallow conventional type systems or low profile chamber type drainlines can be utilized at this site when limited soil depths are observed but you should expect that 100 to 150 feet of conventional drainline would be required for the initial system per bedroom in the home.

Also included within the provisionally suitable soil areas, at a much lower percentage, are provisionally suitable soils for drip systems that are limited in soil depth to the extent that subsurface drip dispersal systems will be required. These type systems are significantly more expensive and are intended only for use as repair areas.

The unsuitable soil area is so rated due to inadequate soil depth to excessive soil wetness conditions, regulatory setbacks and/or unsuitable landscape position. The ability to utilize alternative systems or make modifications to this area to allow for septic systems is minimal.

On the northern side of Holly Grove School Road, a potential perennial stream was observed to run the length of the property from south to north before turning northeast and running the back property line (see map). A potential intermittent stream was also observed on the southern side of Holly Grove School Road running northwest across 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 black ink that reads "Hal Owen". The signature is written in a cursive, flowing style.

Hal Owen
Licensed Soil Scientist


Reconnaissance Soil Investigation
Holly Grove School Road; Parcel ID 00008178
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Soil Map

Soil Map Legend

-  Provisionally Suitable Soils
-  Unsuitable Soils
-  Potential Perennial Stream
-  Potential Intermittent Stream

Scale 1 in = 400 ft



Distances are paced and approximate

