HAL OWEN & ASSOCIATES, INC.

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12 June 2023

Mrs. Stacey Walker
Walker Funeral Home

Reference: Preliminary Soil Investigation
163 Irene Roberts Road; PIN 0559-04-9188.000

Dear Mrs. Walker,

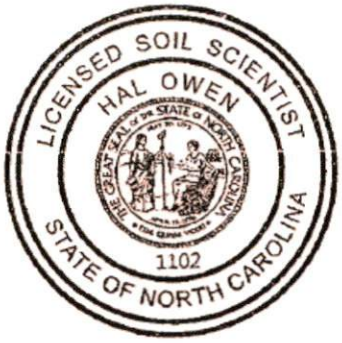
A site investigation has been conducted for the above referenced property, located on the southern side of Irene Roberts Road (SR 1135) in Harnett County, North Carolina. The purpose of this investigation was to determine the site's ability to support subsurface sewage waste disposal systems. All sewage 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 buildings will need to be obtained from the Health Department that specifies the proposed building size and location, and the design and location of the septic system to be installed.

The soils were evaluated under moist soil conditions through the advancing of auger borings. This evaluation included observations of topography and landscape position, soil morphology (texture, structure, clay mineralogy, organics), soil wetness, soil depth, and restrictive horizons. Soils in the investigated portions of the site were observed to range from provisionally suitable to provisionally suitable for modified or alternative systems for subsurface sewage waste disposal (see attached map).

The soils in the investigated area have been impacted by past human activities. The addition of fill material was noted throughout most of the area shown as provisionally suitable. This situation is very difficult to evaluate with auger borings, and additional work is needed with the aid of a backhoe to dig pits so we can make sure the soils will adequately function as sewage waste disposal sites. The naturally occurring subsoils (below the fill materials) were observed to be a mixture of firm clays, sandy clay loams and clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.3 to 0.35 gal/day/sqft. It appears that the area shown is adequate to support the septic drainfield for a 125-seat chapel (375 gallons per day). So, it is my opinion that it is reasonable to move forward with your project.

The soils shown as provisionally suitable for modified or alternative systems are limited in soil depth to the extent that systems that can be installed ultra shallow will likely be. 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 can be utilized at this site when limited soil depths are observed. This area is small and likely of minimal value for septic disposal. Again, additional investigation can be conducted with the aid of the backhoe to further determine this area's extent, or possibly find other areas.

It appears that the soils in the investigated portion of this property have been mechanically disturbed. A backhoe will be required to dig pits to further investigate the soils in this area. 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,

Hal Owen

Hal Owen
Licensed Soil Scientist

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SOIL MAP

Soil Map Legend

Provisionally Suitable Soils

Provisionally Suitable Soils for Modified or Alternative Systems

N
W E
S

Scale 1 in = 50 ft

Map for reference only. Distances are paced and approximate. Not a survey.