

Alex Reese
1329 Lombard St. Apt. 311
Philadelphia, PA 19147

April 19, 2022

RE: Preliminary soil/site suitability evaluation performed on a 1.5 acre tract located on Overhills Road in Cumberland County, NC.

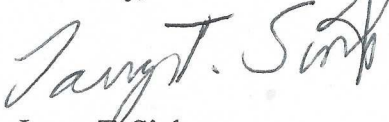
A preliminary soil/site suitability evaluation was performed on the above mentioned tract on April 16, 2022 at your request to determine areas soil and favorable site features that have potential for subsurface wastewater disposal systems. The tract was traversed and observations were made of landforms (slopes, drainage patterns, past use, etc.) as well as soil conditions (depth, texture, structure, seasonal wetness, restrictive features, etc.) through the use of hand auger borings. The site was evaluated during moist soil conditions. From these observations an evaluation of the tract was developed relative to subsurface disposal of wastewater. The soil/site criteria used is that contained in 15 ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems".

FINDINGS: This tract is located in the upper coastal plain and sand hills region of Harnett County, North Carolina. The soils on this tract are similar to the Wagram and Candor soil series. They are mainly loamy sand and sand textures in the soil profile for 36 or more inches. The subsoil below that depth will be sandy clay loam textures. They are suitable for subsurface conventional septic systems and would have a LTAR of 0.7 to 1 gallons per square foot per day. All of this tract contains this usable soil and would be suitable for a three, four or more bedroom residential house. Any potential house site with usable soils should remain undisturbed by heavy equipment, excavations, etc. until authorized by the local health department and determined to be the site for the septic system and repair. The size of a subsurface disposal field is determined by: 1; the design flow from the source (120 gallons per bedroom per day in residences) and 2; the long term acceptance rate (LTAR) of the soil is based on the hydraulic conductivity of the soil which is a function of the soil's texture, mineralogy, structure, and porosity. An additional consideration is the required setbacks for the system and repair drainfield from various elements such as wells(100ft.), streams and ponds(50ft.), property lines(10ft.) etc..

This report discusses the general location of potentially usable soils for on-site subsurface wastewater disposal and does not constitute or imply any approval or permit as needed by the client from the local health department. I was hired for my professional and experienced knowledge on these matters.

Thank you for the opportunity to be of service in this evaluation.

Sincerely,

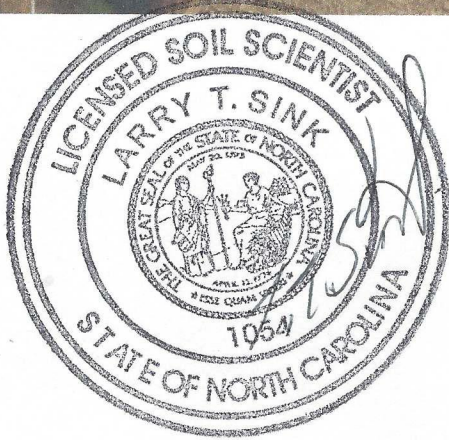


Larry T. Sink
NC Licensed Soil Scientist #1054
Soil sketch map included



SOILS SKETCH MAP - 1.5 Acre Tract - Harnett Co.
PS - Provisionally Suitable Soils For
Subsurface Septic Systems. Soils have 24 + 30+
inches of usable material.

For: Alex Reese



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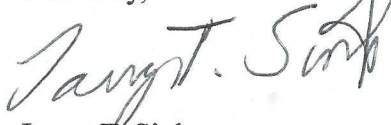
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