

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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1 May 2023

Lianne Hustis

Reference: Comprehensive Soil Investigation
Survey for Lianne Hustis, Lot 2

Dear Ms. Hustis,

A site investigation has been conducted for the above referenced property, located on the eastern side of Buchanan Road (SR 1242) in the Barbocue Township of Harnett County, North Carolina. The purpose of the investigation was to determine the ability of Lot 2 to support a subsurface sewage waste disposal system and repair area for a typical four-bedroom home. The parent tract (Lot 3) is more than 10 acres in size and will not be addressed in this report. It is our understanding that individual septic systems and public water supplied will be utilized at this site.

All soil 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 (LHD). An improvement permit for all residences will need to be obtained from the LHD 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 rate from suitable to provisionally suitable for subsurface sewage waste disposal (see attached map). The soils shown as suitable were observed to be friable sandy loams to greater than 42 inches and appear adequate to support long term acceptance rates of 0.6 to 0.7 gal/day/ft². The soils shown as provisionally suitable were observed to be friable to firm sandy clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.4 to 0.5 gal/day/ft². An existing well was observed in the northeastern corner of the property, and septic systems must maintain a 50-ft radial setback from wells. It appears that the soils on this lot are adequate to support a conventional septic system and repair area for at least one residence.

This soil investigation report and map, when provided to the LHD, should allow them to sign the maps for recordation. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.






Sincerely,

Hal Owen
Licensed Soil Scientist

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Soil Map Legend

-  Suitable Soils
-  Provisionally Suitable Soils
-  Well Setback to septic sys.



Existing 6' Utility Easement centered on water line. Location for illustration only. Exact location of waterline unknown. DB 1394, Page 63

- 20.738 Ac. ± Original
- 1.500 Ac. Lot 2
- 19.238 Ac. ± Residual
- 0.084 Ac. 30' Easement
- 0.487 Ac. Road R/W
- 18.657 Ac. ± Net

Scale 1 in = 100 ft
Map for reference only.
Distances are paced
and approximate

Soil Science Investigations • Wetland Delineations, Permitting, and Consulting

