



North Lakes Soil Consulting, PLLC
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November 18, 2025

Mr. Robbie Horton

Re: Soil/site evaluation for subsurface waste disposal, Parcel #122-13.1, Deppe Road and Hwy 17, 16.5 Acres, Onslow County, North Carolina

Dear Mr. Horton,

A soil/site evaluation has been conducted on the aforementioned properties at your request. The purpose of the investigation was to determine if soils were acceptable for subsurface waste disposal systems to serve a proposed single-family residences (2 or more bedrooms). All ratings and determinations were made in accordance with "Onsite Wastewater Rules, 15A NCAC 18E.

We traversed the property and evaluated numerous areas throughout the parcel boundary. Unfortunately, these soils are **unsuitable** for subsurface waste disposal due to shallow soil wetness (colors of chroma 2 or less within 12 inches of the soil surface; rule .0504), shallow depths unsuitable soil structure (rule .0503) and presence of organic soils (rule .0503(2)). Soils throughout the property contained evidence of the aforementioned features within 12 inches of the existing soil surface. This depth makes these soils **unsuitable** for subsurface waste disposal under current regulatory criteria.

Northern portions of the property would be considered wetlands due to a prevalence of hydrophytic vegetation, wetland hydrology and hydric soil. However, wetland delineation was not part of the scope of this evaluation.

This report, of course, only represents my professional opinion as a North Carolina Licensed Soil Scientist. I trust this is the information you require at this time.

Sincerely,

John Kase
NC Licensed Soil Scientist #1323
AOWE #10600E

