

Adams Soil Consulting
1676 Mitchell Road
Angier, NC 27501
919-414-6761

August 26, 2021
Project #1377

Hope Center Ministries

RE: Preliminary soil/site evaluation for a portion of a ~10.1-acre parcel located adjacent to 11142 NC 55E located in Dunn (Harnett County) NC.

Mr. Godwin,

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". From this evaluation, ASC sketched the boundary between the suitable soils and unsuitable soils onto a background map taken from the Harnett County GIS database. Approximately 2 acres of the parcel was evaluated per your request.

The suitable soils shown on the accompanying soil map have potential for a conventional or ultra-shallow conventional type septic system. The parcel was found to contain potentially adequate available space for an initial and repair area for at least three single-family home sites. At each site located on the attached soil map approximately 10,000 ft² (or more) of provisionally suitable soils that consist of clay subsoil was identified that can support a daily loading rate of 0.25-0.4 gallons/day/ft².

The specific septic system and/or repair systems will be permitted by the Harnett County Health Department. Additionally, the Harnett County Health Department will establish the loading rates for any proposed system. The areas for the proposed septic fields shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land.

The lot will require a detailed soil/site evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions system for final approval. The accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247

