

Adams Soil Consulting, PLLC
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Angier, NC 27501
919-414-6761
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November 20, 2023
Project #1763

"This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-336.2

RE: 276 Ray Byrd Road – Lillington, NC - 3-bedroom Single Family Residence

To whom it may concern:

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 soil/site 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 is providing the attached septic system design for a new single-family home sized for a 360 gallon/day septic system.

The suitable soils found on the subject property were somewhat variable in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.


The initial and primary septic fields for the new home were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status system for the initial and repair system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked. Septic Area must be protected from any construction traffic.

The septic installer contractor shall install the primary system on contour, see attached site plan for the primary system and repair. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and local county regulations for septic system installation. The trenches must be installed in the same location as the site plan. If flags are missing at the time of installation, they must be remarked by Adams Soil Consulting staff. Contact Alex Adams at 919-414-6761. A preconstruction conference is required with the septic installer prior to construction activities at least 14 days in advance of construction activities.

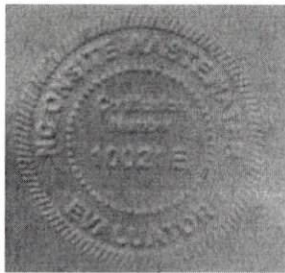
This report does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached site plan or in this report, please feel free to contact me anytime.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247
AOWE Certification: 10021E



SBM Homes, LLC
 3-Bedroom - Septic Design
 470 Ray Byrd Road - Lillington
 Harnett County PIN: 0558-38-1703

Permit Requirements

- *System area will need to be reflagged prior to
- *Installer to contact Alex Adams prior to construction

*Not a Survey
 Sketched from a plot plan supplied by owner



System: Pump to serial
 Lines: 1-4 (280')
 0.35 LTAR
 18" Max Trench Bottom
 Accepted Status System - Chambers
 Repair: Pressure Manifold
 Lines: 5-8 (260')
 0.35 LTAR
 18" Max Trench Bottom
 Accepted Status System

- **1000 Gallon Septic and Pump Tank
- Tank and trenches to be located minimum of 10' from any property line and minimum of 5' from any building foundation.
- *Do Not Cut, Fill, or Alter Drainfield or Repair Area
- *Comply with all setbacks
- *Contact local health dept. and/or Alex Adams prior to or during installation with any questions or concerns.

Adams
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 Job #1763
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GRAPHIC SCALE
 1" = 50'

