



**Adams Soil Consulting, PLLC**  
**1676 Mitchell Road**  
**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: 490 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.

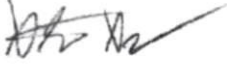
The initial and primary septic fields for the new home were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status system for the initial and repair system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked. Septic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

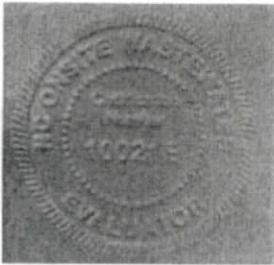
This report does not guarantee the future function of any waste water disposal system installed.

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  
 490 Ray Byrd Road - Lillington  
 Harnett County PIN: 0558-38-0672

Permit Requirements

- \*6-8" of approved fill required over drainfield
- \*System area will need to be reflagged prior to installation.
- \*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  
 12" Max Trench Bottom  
 Accepted Status System - Chambers  
 Repair: Pressure Manifold  
 Lines: 5-8 (280')  
 0.35 LTAR  
 12" 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  
 Soil Consulting  
 919-414-6761  
 Job #1763  
 11-20-23

