

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

March 2, 2020  
Project #891

Lakeisha Pipkin

RE: Preliminary soil/site evaluation for a potential daycare facility/church 218 Coats Road in Linden NC (Harnett County).

Ms. Pipkin,

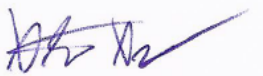
Adams Soil Consulting (ASC) conducted a preliminary soil/site evaluation on the above referenced parcel. The soil/site evaluation was based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems". The purpose of this evaluation was to determine the feasibility of operating a daycare facility out of the existing church building utilizing the existing gravity septic system.

Based on my review of the existing Operations Permit (septic) I assume the current system is sized for a daily flow rate of 600 gallons/day (120 seat church with a kitchen at 5 gallons per seat). Per our conversation the church only holds one service per week on Saturday. Based on this information I would conclude that the current septic system would have the capacity to service a daycare facility of approximately 40 students and staff. This is based on a daily flow rate of 15 gallons per seat (staff and student). This would also be contingent on the daycare operating on a Monday-Friday schedule with church meetings only on Saturday and/or Sunday. If a combination of students and staff of more than 40 is planned or if the Church facility is utilized for other purposes Monday-Friday then the current septic system may not have the capacity to support the combined activities. A site visit was also part of my evaluation. At the time of evaluation there were no signs of past or present septic system failure.

The rules governing on-site wastewater disposal systems are complex and are subject to interpretation. Due to the subjective nature of the permitting process, ASC cannot guarantee that the governing agencies will agree with my findings of the existing system capacity.

The next recommended step in the septic system planning would be to meet with the Harnett County Health Department to discuss the flow rate of the existing building and preliminary planning of the septic system. The existing septic system servicing the church was located based on the existing permit. If you have any questions regarding the findings 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

