

Harold Kelly
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7309 Blalock Road
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John Tate
jutate90@gmail.com

February 5, 2025

RE: Preliminary site-soil evaluation/Portion of PIN 0310 02005 (~6 acres)/ Keeton Road, Henderson, NC/
Vance County, NC

Dear Mr. Tate:

At your request, a preliminary soil/site evaluation was conducted on a portion of the parcel referenced above. The evaluation was conducted to determine which portions of the parcel would likely support the permitting and installation of septic systems. The evaluation was performed by walking the parcel, observing landscape features, and making a series of soil auger borings (n=8) to determine relevant soil characteristics. The site/soil evaluation was performed in accordance with NC Rules for Sewage Treatment and Disposal Systems (15A NCAC 18E).

The enclosed site sketch shows the approximate location of the soil borings. All of the borings exhibited suitable soil characteristics to a depth of >30", suggesting that the entire area evaluated would support the installation of conventional or accepted septic systems. The only areas observed that would potentially be classified as *unsuitable* would be the small convex area shown, and farm paths (compacted soil).

Suitable soil with these characteristics would typically have a loading rate of 0.275 to 0.30 GPD/Ft². The assigned loading rate is based on soil texture, structure, and consistence. Each proposed lot would require a septic system area of 10,000 to 12,000 ft² for a three-bedroom home. The proposed property line and house locations will determine if a pump system would be required.

In summary, the majority of the area evaluated would support the permitting and installation of septic systems. All of the soil borings made were classified as *suitable*, however there may be small inclusions of soils with *unsuitable* soil characteristics.

Thank you for the opportunity to provide you with this information. Please feel free to contact me if you have any questions (336-598-2382).

Sincerely,



Harold Kelly
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1" = 300'

▨ UNSUITABLE
X SOIL BORINGS



H. Kelly
2/5/25