

Harold Kelly
NC Licensed Soil Scientist, CPSS
7309 Blalock Road
Bahama, NC 27503
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Timothy Smith
Ciridae Homes LLC
415 Congress St. Ste 202A
Portland, ME 04101

June 12, 2026

RE: Preliminary site-soil evaluation (Phase II)/Park Springs Road/ Ruffin, NC/Parcel ID:
022.00.00.0001.0000 (90.4 acres)/ Caswell County, NC

Dear Mr. Smith:

An initial preliminary soil evaluation of the property referenced above was conducted on May 25, 2026, using a hand auger (Phase 1). The results of that evaluation were conveyed in a report emailed to you on May 26, 2026. The report stated that most of the area evaluated appeared to be unsuitable for conventional septic systems due to shallow soil depths. It also stated that the underlying saprolite may have suitable characteristics but would need to be evaluated with backhoe pits. The original and subsequent site/soil evaluations were conducted in accordance with North Carolina Rules for Sewage Treatment and Disposal Systems (a5A NCAC 18E).

On June 9, 2026, a visit was made to the property to re-evaluate the soils in backhoe pits (Phase II). The backhoe pits allowed the soil depths to be verified and allowed the characteristics and depths of the saprolite to be assessed. Soil depths averaged <20" to saprolite. However, the saprolite extended to a depth of >48". The saprolite had a loamy texture, massive structure, and a friable consistency, and would be classified as *suitable* for the permitting and installation of conventional septic systems (LTAR: ~0.4/GPD/FT²).

The site sketch that accompanies this report shows the approximate location of the backhoe pits (and several deep soil borings), and the estimated areas of soil with suitable saprolite. The pits were excavated in the fallow fields with slopes of less than 10%. The slopes are much steeper in the wooded areas surrounding the fields. The wooded areas also included gullies and farm structures and were not evaluated with backhoe pits or auger borings.

In summary, based on a soil evaluation with backhoe pits, the areas shown on the site sketch appear to be suitable for conventional or accepted systems installed in saprolite. While the steeper wooded areas were not evaluated, some areas may also have shallow soil underlain by deep suitable saprolite. This preliminary soil evaluation was performed to provide information that could be used to aid with a potential subdivision of the property. The information provided

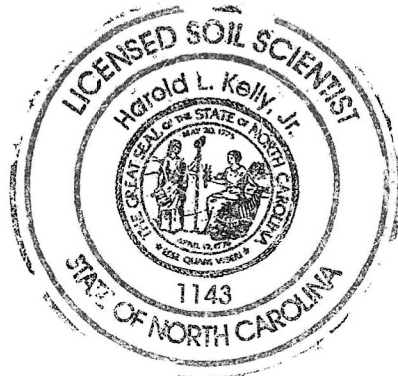
is based on my observations of both soil borings and backhoe pits, and my knowledge and experience as a soil scientist, but is not a guarantee that septic permits will be issued. Prior to obtaining the required septic permits from the Caswell County Health Department, a more detailed soil evaluation would be needed for each proposed lot to ensure that there is an adequate area of suitable soil (~10,000 ft²) for the initial system and repair.

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
NC Licensed Soil Scientist



Preliminary Site/Soil Evaluation

For: Timothy Smith
Ciridae Homes LLC
415 Congress St. Ste 202A
Portland, ME

Site: Park Springs Road
Ruffin, NC
Parcel ID: 022.00.00.0001.0000
Caswell County, NC

Notes:

- A portion of the parcel was evaluated by hand auger on 5/25/26
- Backhoe pits were used to evaluate saprolite on 6/9/2026
- Soil and saprolite depths were consistent across area evaluated
- Soil depths ranged from 18 to 22". Suitable saprolite depths extended to >48"
- Areas evaluated had a slope of less than 10% and represented the highest elevations
- Steeper side slopes were not evaluated and may also have suitable saprolite
- Approximate location of backhoe pits shown on site sketch
- Estimated suitable saprolite areas also shown on site sketch.



Suitable soil characteristics (suitable saprolite >48")

Scale: 1" = 300'

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17-286

0022.003
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0022.002
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174-379

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