

Harold Kelly
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December 30, 2023

Oliver Diolosa
301 Nagog Hill Rd.
Acton, MA 01720

RE: Preliminary Soil Evaluation/ Lake Road/ MAPN: 104100768018 (7 acres)/Granville County, NC

Dear Mr. Diolosa:

At your request, a soil/site evaluation was conducted on the property referenced above. The site/soil evaluation was performed in accordance with NC .1900 Rules for Sewage Treatment and Disposal Systems. The purpose of the evaluation was to determine what portions of the property would support the permitting and installation of septic systems.

We conducted the soil evaluation by walking the property and observing landscape features and making a series of soil borings across representative portions of the property. The location and physical soil characteristics of each boring were noted. Soils must meet specific regulatory requirements in order to be permitted for the installation of a septic soil. The regulations help ensure that constructed septic systems will properly treat and disperse wastewater and will not threaten public health. Two limited areas were identified that appear to have at least 26" of *provisionally suitable* soil and may support the permitting of an 'accepted system' (low-profile chamber). The majority of the parcel would be classified as *unsuitable* for septic systems due to soils that are shallow to seasonal soil saturation or have *unsuitable* drainage features (gullies and natural drains).

In summary, it may be possible to have a septic system permitted in the *provisionally suitable* areas shown. However, much of the parcel is gullied and not well drained and finding a desirable house location could be challenging. This preliminary soil evaluation is based on our observations and professional opinion. A detailed soil report (GS 130A a2) for submission to the Granville County Health Department would require additional site/soil work.

We appreciate 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

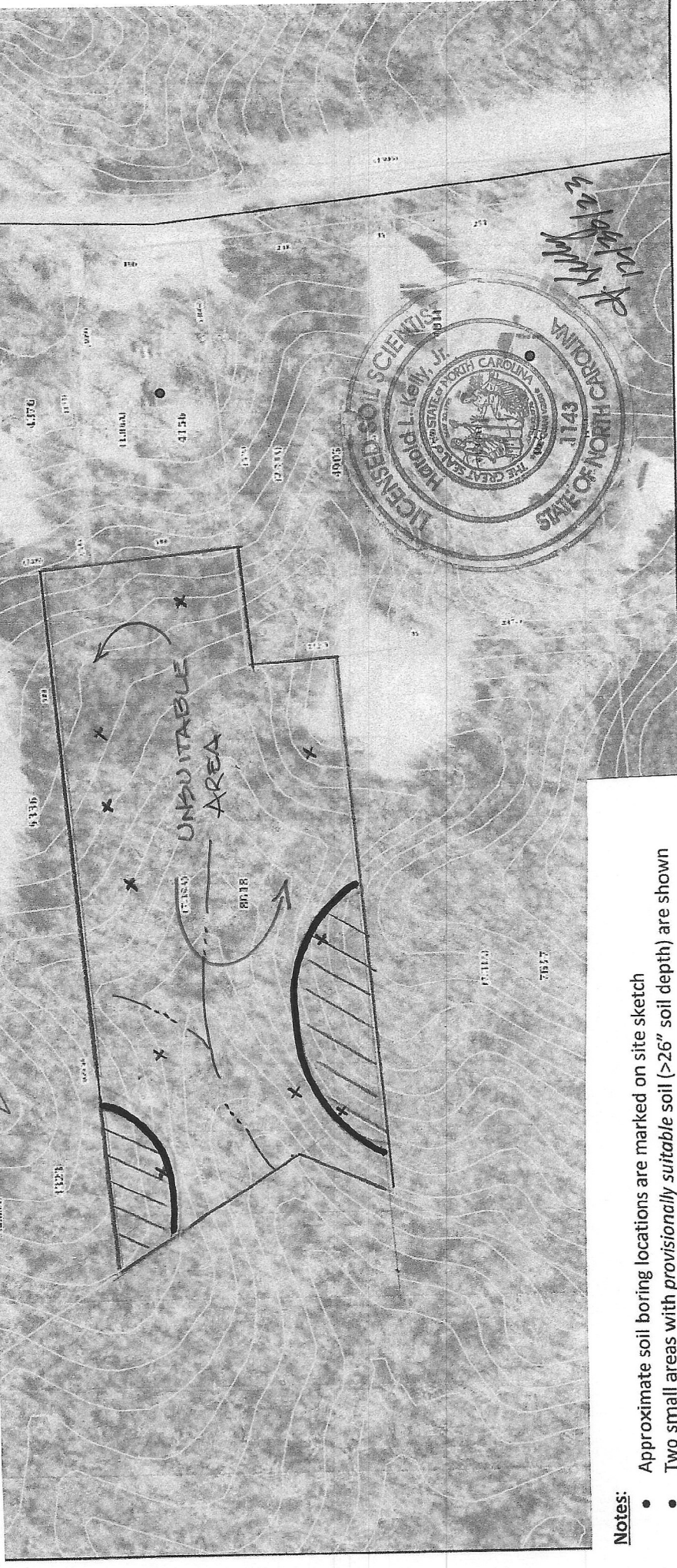


Granville County, NC

Preliminary Soil Evaluation

Lake Road
MAPN: 104100768018 (7 acres)
Granville County, NC

Oliver Diolosa
301 Nagog Hill Rd.
Acton, MA 01720



Notes:

- Approximate soil boring locations are marked on site sketch
- Two small areas with *provisionally suitable* soil (>26" soil depth) are shown
- The majority of the property is *unsuitable* for septic systems due to soil wetness
- The parcel has multiple drainage features limiting potential house sites



Provisionally Suitable soil area (>26" soil depths)

X = Soil boring locations

Site plan scale: 1" = 200'

1:3,000

0 112.5 225 450

0 30 60 120 m

NC OneMap, NC Center for Geographic Information and Analysis
Board

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