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March 10, 2024

Oliver Diolosa
301 Nagog Hill Rd.
Acton, MA 01720

RE: Preliminary Soil Evaluation/ NC Hwy 39 S/Vance PIN: 055201007(66 acres)/ Vance and Franklin County, NC

Dear Mr. Diolosa:

At your request, a preliminary soil/site evaluation was conducted on the property referenced above. The site/soil evaluation was performed in accordance with North Carolina Rules and Regulations for Sewage Treatment and Disposal Systems (15A NCAC 18E). The purpose of the evaluation was to determine which portions of the parcel could support the permitting and installation of septic systems. The soil evaluation was conducted by making a series of soil borings (n~30) and observing changes in topography and vegetative patterns. The attached site sketch shows the approximate extent of *suitable* soils on the parcel.

The delineated *suitable* soil area is dominated by soils that have usable soil depths of at least 30". The *suitable* area corresponds in large part to the open areas under cultivation. There are numerous grassed waterways in the fields that would not be suitable for septic systems. Some of the suitable soil areas are impacted by the location of numerous wells on the property and on adjacent properties.

The areas classified as *unsuitable* for septic systems would include grassed waterways in the fields, cultivated areas that have soils with expansive mineralogy, and the wooded areas (rock outcrops, gullies and other drainage features and building structures/foundations).

In summary, it is our opinion that the majority of the cultivated fields on this parcel would be classified as *suitable* for the permitting and installation of a conventional or accepted septic system. A detailed soil evaluation would be required to assess the suitability of proposed individual lots.

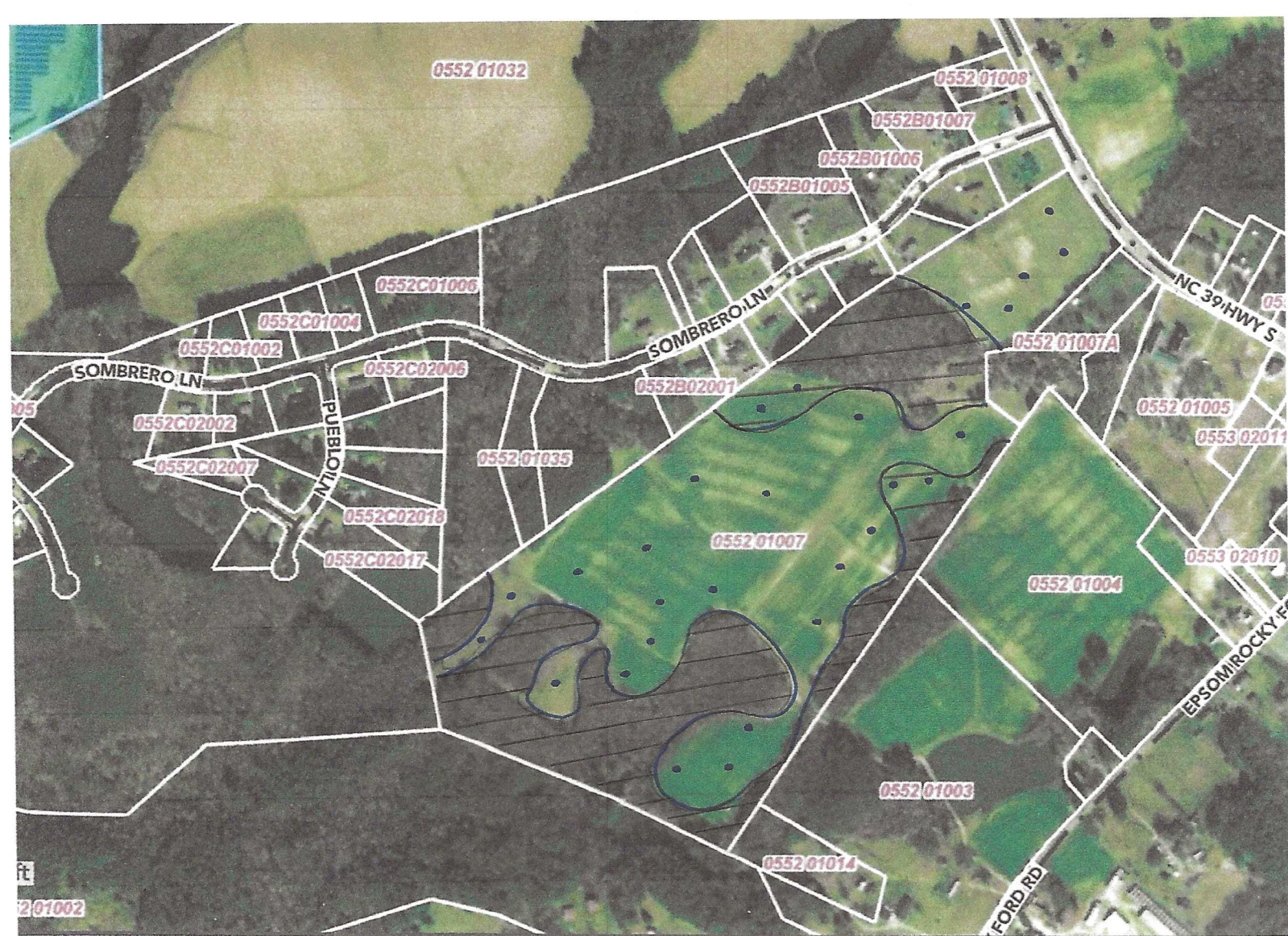
Thank you for the opportunity to provide you with this information. Please feel free to contact me if you have any questions or if we can provide any other assistance (336-598-2382).

Sincerely,



Harold Kelly
NC Licensed Soil Scientist





Preliminary Soil Evaluation

PIN: 055201007 (66 acres)

NC Hwy 39 S

Vance County, NC

Oliver Diolosa

301 Nagog Hill Rd.

Acton, MA 01720

Notes:

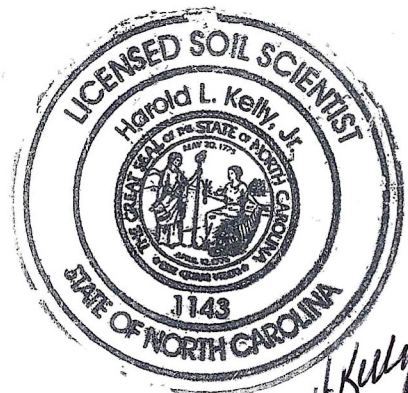
- Approximate soil boring locations are marked on site sketch
- Extent of *suitable* and *unsuitable* areas shown on site sketch
- Majority of cultivated area appears *suitable*
- Typical soil LTAR = 0.30 GPD/FT²)
- System Type: IIa, IIIg
- Area required for system/repair ~ 8,000 ft²

- - Soil boring locations

Site plan scale: 1" = 400'



Unsuitable areas



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