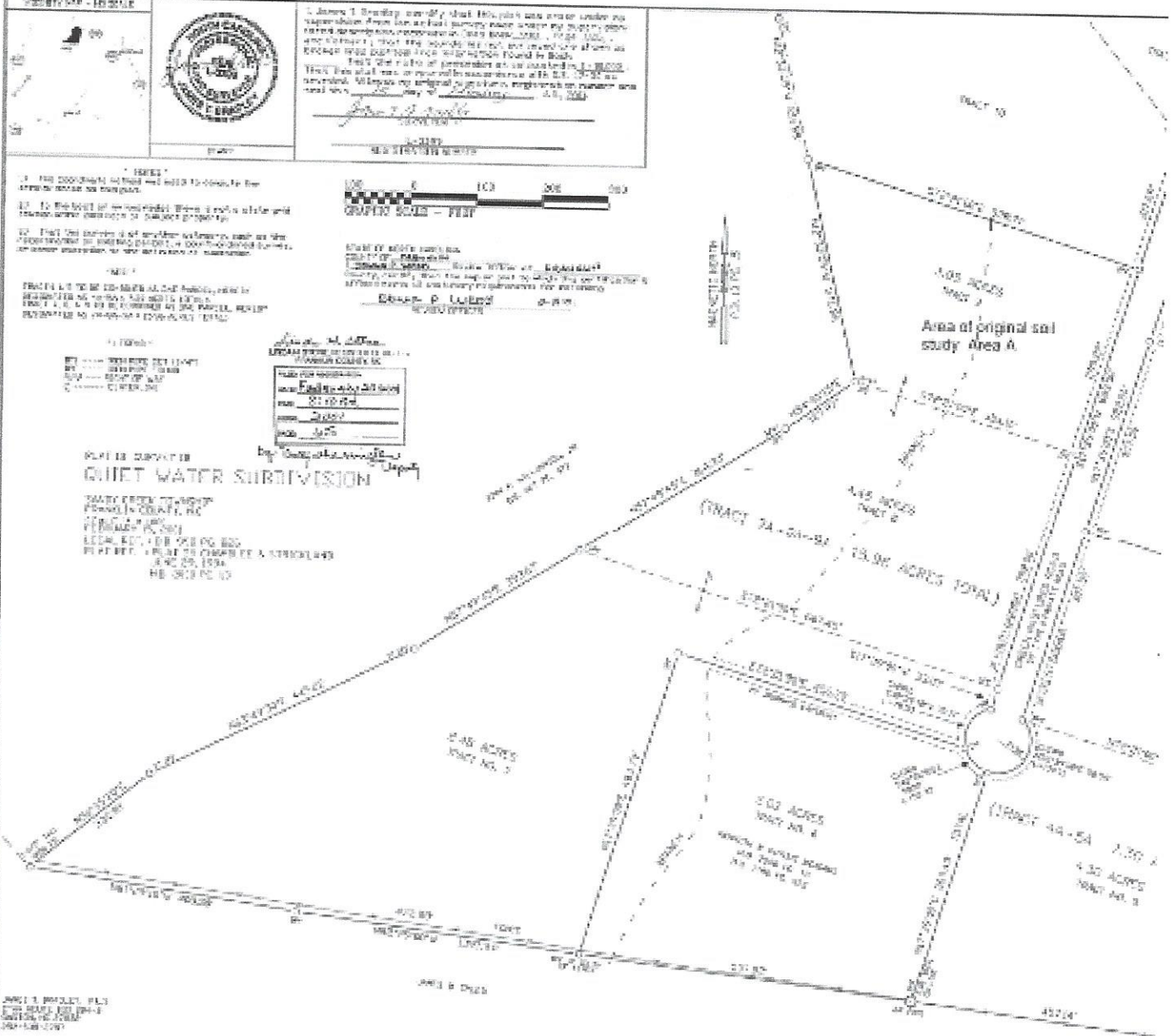


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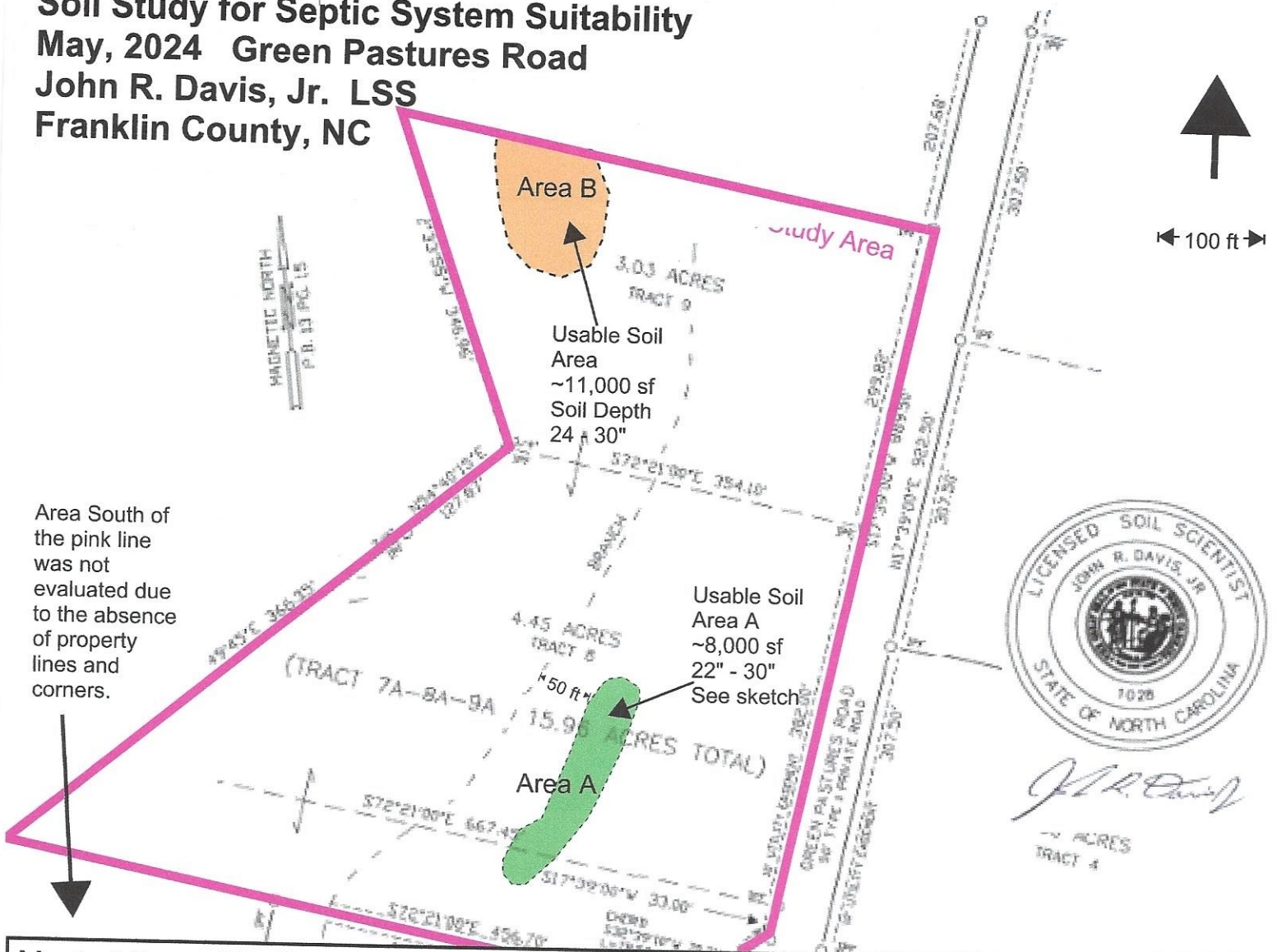
[illegible]

NAME John J. McFarland
 ADDRESS 1714 E. 12th St.
 CITY Wichita, Kan.
 STATE Kan.
 ZIP 67214

TERRY FRANKLIN WARDEN
 PENNSYLVANIA DEPT. OF CORRECTIONS
 300 PENNSYLVANIA AVENUE
 PHILADELPHIA, PA. 19107
 LEGAL COUNSEL - DR. SHERIDAN BROS.
 1000 MARKET STREET
 PHILADELPHIA, PA. 19107

[illegible]

Soil Study for Septic System Suitability
May, 2024 Green Pastures Road
John R. Davis, Jr. LSS
Franklin County, NC



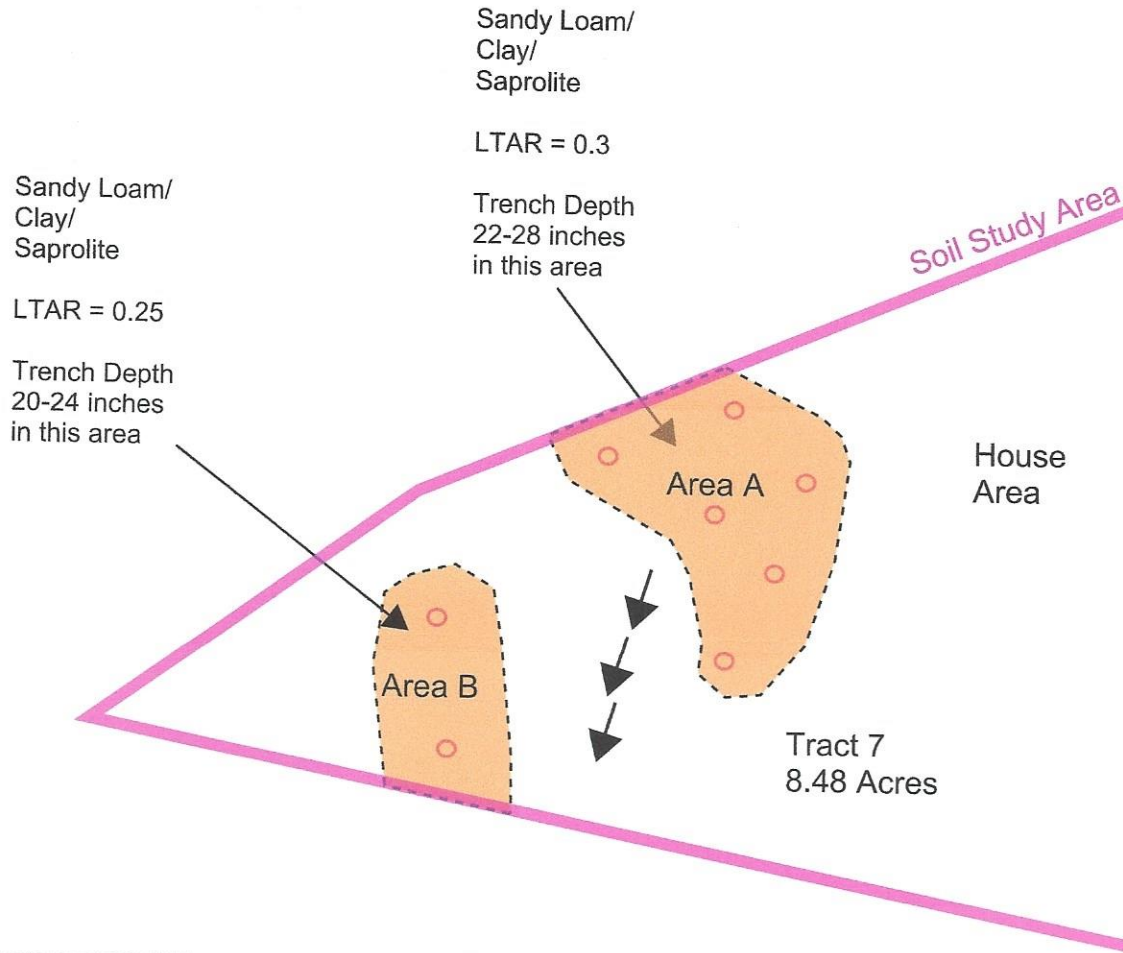
Most all the soil inside the pink study boundary line is unsuitable for septic systems due to mixed and expansive clay mineralogy. Two areas, A and B, of usable soil were found on this property. Area "A" is a limited soil area located about 50 feet east of a small stream on a ridge line has some soil that is usable for Accepted gravelless or Alternative septic trenches. The soil in this area is not expansive and has formed from a different parent material. The soil depth ranges from 22 to 30 inches to saprolite. The location is approximately shown on this map. The boundary of this area has been flagged with white tape and labeled S-1 through S-11. See the sketch on the next page. These flags may be located in the field by an engineer or surveyor for accurate soil area location and size for septic system designs. Due to the odd shape, this site is not usable for a standard conventional septic system but may be usable for ultra shallow trenches and the more advanced septic systems. You may apply for a 3 or 4 bedroom septic system permit and approval by Franklin County Health Department or get an engineer to design a system to submit for approval under the traditional method or the Engineered option permit.

On the northwest triangle part of the property, I found soil area "B" that is usable for a gravel or gravelless conventional septic system for a single family house. This area has approximately 11,000 square feet of usable soil . The material is sandy loam over sandy clay loam with depths 24 to more than 30 inches deep. This soil appears to to have formed from sandy sediment in a concave landform.

Soil Study for Septic System Suitability
June, 2024 Green Pastures Road
John R. Davis, Jr. LSS
Franklin County, NC



← 100 ft →



Most all the soil inside the pink study boundary line is unsuitable for septic systems due to mixed and expansive clay mineralogy and gullied landforms. Two areas, A and B, of usable soil were found on this property. Area "A" is a limited soil area and has some soil that is usable for Accepted gravelless or Alternative septic trenches. The soil depth ranges from 22 to 28 inches to saprolite. The location is approximately shown on this map in a head slope landform and has approximately 25,000 square feet of usable soil area.

Due to the new rules related to slope correction narrow trenches or alternative trenches may be required. You may apply for a 3 or 4 bedroom septic system permit and approval by Franklin County Health Department or get an engineer to design a system to submit for approval under the traditional method or the Engineered option permit.

On the southwestern corner of the property, I found soil area "B" that is usable for subsurface drip systems and may be designated as the repair area as needed. This area has approximately 15,000 square feet of usable soil.

Usable Soil Area A

Sketch of white boundary flags

