

Soil Study for Septic System Suitability

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John R. Davis, Jr. LSS

Knotts Grove Road

MAPN 191102687654

Granville County, NC



As requested, two additional soil areas were found on this property that may accommodate septic systems. The soil areas shown in "Orange" are **usable** for gravel or gravelless septic trenches with a soil loading rate of 0.3 gpd/sqft. The soil consists of a sandy loam over clay subsoil with depths that range from 24 to 30 inches. Soil borings were flagged in the field with colored tape. The soil area shown in "Green" is very shallow and only usable with drip irrigation septic systems that are much more costly to install. The orange areas are more practical for standard septic systems.

Every 100 gallons of wastewater flow generally requires about 2,000 square feet of usable soil for a septic system and repair area. The orange soil in area A may accommodate approximately 200 gallons per day or an office with 8 employees. The larger orange soil in area B may support up to 1000 gallons per day of wastewater flow and many more employees.

