



Furrow5-2014

April 15 2014

To: Furrow Auction and to Whom it may concern i.e. Bidders, Buyers

From: David McKinney Soil-Land Consulting

Subject; 14 large tracts to be offered at auction ; **Montgomery farm near Lenoir City.****Specifically; Suitability for septic drainfield construction on each of the tracts**
.....and other observations

Methods; I walked onto tracts; took borings, observed slopes and drainage ect on each of the tracts. I also looked at the old published USDA soils map for this area. It is very accurate for it's scale.

Findings; There are many drainfield sites that will meet the Regs of state of Tennessee on each of the large tracts..

Areas that are **suited for drainfields** will be on slopes that are gently to strongly sloping (1 to 30 %). They **will not be** wet -naturated, rocky, gullied or fill dirt. They will perc at 30 to 75 minutes per inch. They will lie at least 50 ft from any well or spring and 25 feet from any cutbank or gullies or drainways and streams.

In general such drainfield areas for a **3 bedroom house's drainfield**, will require an area like above that is about 4-5000 square ft (50by 100 or equivalent) and an equal area for the reserve area.

CAUTIONS; This is NOT a permit nor a high intensity Soil Map. This is my opinion of the areas examined based on many years of soils mapping for TDEC regulations. Prior to building, a permit for a drainfield must be secured from the County Environmental dept.

Agricultural; The bottomlands along the Tennessee River are among the very few remaining river bottom lands on the river, due to the TVA lakes of the 1940-60's. They are mapped mostly Huntington soil which is in **the top one percent of all the soils in Tennessee for productivity.**

A handwritten signature in black ink, appearing to read 'David E. McKinney', written over a horizontal line.

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