

**NELSON COUNTY ENVIRONMENTAL SERVICES
LINCOLN TRAIL DISTRICT HEALTH DEPARTMENT
PRELIMINARY SITE EVALUATION 902 KAR 10:80/902 KAR 10:085**

SUBDIVISION: Joseph Bernard Keene Estate

LOCATION: Tracts 1-11 Caney Fork Rd.

DATE: August 12, 2020

Overall Description: Rolling topography with some wooded area with creek running through. Proposed for building lots most just under 1 acre. Mottling noted in all pits which would require curtain drains.

Lots deemed feasible for conventional or modified gravel and pipe or chamber systems: Tracts 1-11

Lots requiring lagoon systems or fill and wait: None

Lots unapproved: None

Preliminary findings: One pit dug on each lot. Results as follows:

Tract 1: Some wooded area. Clay pan at 21".

Tract 2: Clay at 18". Massive at 20". Rock at 27".

Tract 3: Clay at 18". Massive at 24".

Tract 4: Some drains. Contour for a walk-out on side of home. Clay at 14". Pan at 23".

Tract 5: Difficult to tell if there is a sink area around tree. Silty clay loam to 42". (If there is a sinkhole, there will be a 70 foot setback and may make the lot unusable for a septic installation).

Tract 6: Lays well. 16" to clay and 20" to massive. Rock floaters at 31".

Tract 7: Woods and creek in back of lot. Clay pan at 30".

Tract 8: Woods and creek encompass good portion of lot. Septic system would have to be toward front of lot. May require permission from overhead power line to enter easement. Marginal soil in one portion of lot. Another pit was clay pan @27". Careful placement to install system in better soil.

Tract 9: Larger tract with creek cutting it in half. Pit dug in front of lot showed 23" to clay pan but drops off into a boggy area. Pit behind creek was 18" to a pan.

Tract 10: Pit in bottom land showed mottling throughout and a Pan at 30". Pit in center of lot was unapprovable.

Tract 11: Water coming into pit on side of hill (boggy area) with drainway. Clay pan at 23".

****Each lot will require an individual site evaluation and must stand on its own merit prior to a permit being issued for system installation.**

Submitted by:

**Angie Mattingly, RS
Lincoln Trail District Health Dept.**