

November 15, 2021

El Paso County

RE: Replat Lot 3 Akers Acres – OWTS Report

1. Soil Conditions

- a. NRCS Soils Classification: Blackland loamy sand
- b. Slope of the Terrain: 1 to 9 percent
- c. Underground water table: Varies based on season
- d. Subsurface rock: Greater than 200 centimeters
- e. Limitation on site location of the system: System will be engineered

2. Conditions which may cause deleterious effects to system in the area such as runoff or irrigation: Site generally slopes to the east eventually draining to Marksheffel Road ROW. There are no known off-site stormwater flows that will impact the on-site sanitary system.

3. Ability of Central sewerage system and the feasibility of inclusion into the system: Cherokee Metro District has a sewer system that lies west of the subject property. Unfortunately, the existing system is not sufficiently deep enough to allow the project site to drain into the system. The existing development as well as both developments north and south of the project area utilize on-site sanitary treatment system.

4. Proximity of water wells, lakes, streams, irrigation ditches, ponded water, other water sources: No known water features impact the proposed development.

5. Soils Investigation – To be completed at time of OWTS application to El Paso County Health Department

6. Conclusion – The existing on-site sanitary system as well as the systems both north and south of the subject property utilize engineer designed on-site sanitary systems. For this reason, it is anticipated an engineered designed system will be required for the additional lot created by this subdivision.

