



Prevent • Promote • Protect

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Judge Orr Ranchettes, SF-17-021

Please accept the following comments from El Paso County Public Health (EPCPH) regarding the 40.67 acre, 7 residential lot development project referenced above:

- **Water service for the development will be provided by individual private wells, and wastewater service will be provided by onsite wastewater treatment systems (OWTS).**
- **There is a finding for sufficiency in terms of water quality based on the Colorado Analytical Laboratories, Inc., 06May2019, water test results. Please note there was an exceedance of the Colorado Primary Drinking Water Regulations maximum contaminate level (MCL) detected for Gross alpha radionuclide of 31 PCi/L where 15 PCi/L is the MCL. This parameter is affected by the local geology of the well location. The well used for collecting the sample is located approximately 0.5 miles from the development site as allowed by the Land Development Code. El Paso County Public Health recommends individual homeowners test their own well water for Gross Alpha. If an exceedance is found, the installation of an under counter reverse osmosis (RO) water system is the method of choice used for mitigation. Julia M. Murphy, Hydrogeologist and Professional Geologist with Groundwater Investigations, LLC (GWI), recommends in her 21June2019, cover letter that the first well drilled on the project property be sampled for site specific concentrations.**
- **The Entech Engineering Soil, Geology, Geologic Hazard, and Wastewater Study Report dated 24April2017 was reviewed to determine OWTS suitability for the site. Based on the report the site is found suitable for OWTS installations. Most OWTS's on the site will likely require a professional engineer design due to soil conditions and shallow groundwater.**
- **Careful planning is required when locating private wells and OWTS's on lots 5 and 4 because of the flood plain (no-build area) impact on lot 5 and the narrow shape of adjoining lot 4.**
- **El Paso County Public Health encourages planned walk-ability of residential communities. Please consider appropriate connections to commercial areas through the use of sidewalks, and bike trails. Walk-ability features help reduce obesity and associated heart diseases.**

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- **Earthmoving activities Earthmoving activities greater than 25 acres require a Construction Activity Permit from the Colorado Department of Public Health and Environment, Air Pollution Control Division. Go to the El Paso County Public Health site <https://www.elpasocountyhealth.org/service/air-quality/construction-activity-application> for the link to the Colorado Department of Public Health and Environment, Air Pollution Control Division, for the permit application.**

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