



Prevent • Promote • Protect

Environmental Health Division  
1675 W. Garden of the Gods Road  
Suite 2044  
Colorado Springs, CO 80907  
(719) 578-3199 *phone*  
(719) 578-3188 *fax*  
[www.elpasocountyhealth.org](http://www.elpasocountyhealth.org)

### **Eagle Forest, PUDSP-20-6**

Please accept the following comments from El Paso County Public Health regarding the development project referenced above:

- The proposed 9-residential lot, 44.35-acre, development will be provided water and wastewater services by individual private wells and onsite wastewater treatment systems (OWTS) respectively.
- A finding for sufficiency in terms of water quality can be made based upon the water sample results from the 2012 sampling completed and tested at Mountain States Accutest Laboratories, Hazen Research Inc., and Industrial Laboratories. All constituents required were tested and acceptable.
- The 2020 Cornell Engineering onsite visit of the proposed subdivision, along with their review of the original Performance Report/Sewage Disposal Evaluation completed in 2005 by Front Range Geotechnical, Inc. were reviewed to determine suitability of the area for onsite wastewater treatment systems. Base on the review, the fact that soil testing requirements between 2005 and 2020 have changed, and upon comments made in the Front Range Geotechnical report, all OWTS's in the subdivision must be engineer designed. This will satisfy the requirement to re-test the soil per the new requirements, and the verification differences associate with identifying "weathered bedrock" by boring a profile hole as in 2005 verses providing a soil profile test pit tactile inspection as now required.

The 2005 Front Range Geotechnical report states, 'It should be emphasized that due to the geologic characteristics and other constraints on this site all systems should consist of an engineer designed system.'

The existing house on the site has an engineer designed system installed in 2012 based on the presence of soil classified as "bedrock sandstone".

- Radon resistant construction building techniques/practices are encouraged to be used in this area. The EPA has determined that Colorado, and the El Paso County area, have potentially higher radon levels than other areas of the country.

- 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:  
<https://www.colorado.gov/pacific/cdphe/general-air-permits>
- El Paso County Public Health encourages planned walkability of residential communities. Please consider appropriate connections to commercial areas and intra-neighborhood access by trails and bike paths. Walkability features help reduce obesity and associated heart diseases.
- The storm water detention pond must have mosquito control measures considered to help protect the public health, safety and welfare in the area from West Nile Virus.

**Mike McCarthy**  
**El Paso County Public Health**  
**Environmental Health Division**  
**719.575.8602**  
[mikemccarthy@elpasoco.com](mailto:mikemccarthy@elpasoco.com)  
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