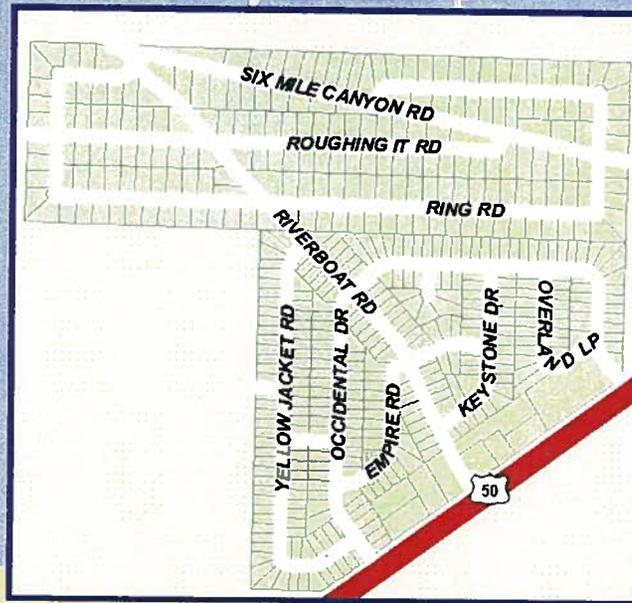


Dayton Valley Estates Septic Tank Elimination Project

Lyon County Utilities Department – May 2014

This handout provides information
related to the upcoming septic tank
elimination project.

Project Area Map



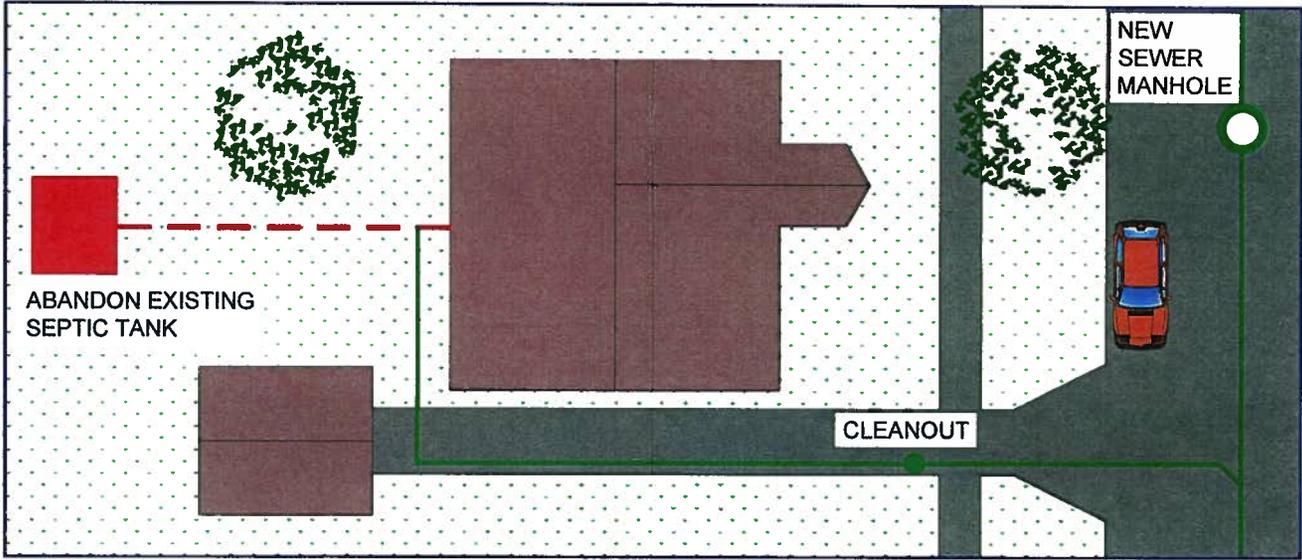
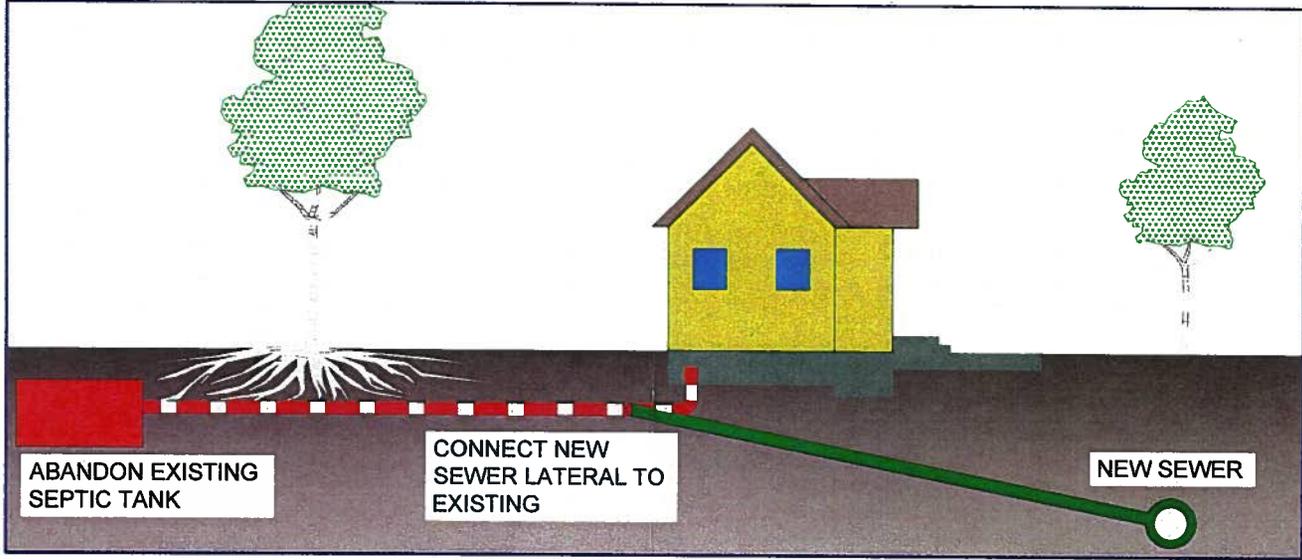
For additional information and project
updates visit our website at:
www.lyon-county.org/Departments/Utilities
or call (775) 246-6220

Lyon County has developed a project that will eliminate Nitrates from septic tanks entering the groundwater in your neighborhood. Currently, there are about 500 homes that are contributing to the Nitrate contamination of the groundwater aquifer due to the large number and age of septic tanks in your subdivision. This is a major concern because once an aquifer is contaminated it is very expensive to treat and takes years to remove the Nitrate contamination.

Lyon County has already had to shut down one well site due to Nitrate contamination. Monitoring and testing at numerous locations within the subdivision has shown that the contamination is coming from the high number of septic systems, is worsening with time, and has the potential to further contaminate the groundwater. A main concern is that much of the community's drinking water supply comes from wells south and east of your subdivision. If that groundwater becomes contaminated with Nitrates, the public drinking water supply would no longer be safe for human consumption (potable water) and would require expensive water treatment processes, which would result in significant limitations on pumping capacities. It is imperative to protect the aquifer from additional contamination, especially when the source of Nitrate contamination is so apparent.

The septic systems in your area are past their expected 20-30 year life-span. Many have already failed. The County will construct a sewer line from each home that will collect sewage from your home and transport it to a regional treatment facility in order to protect the groundwater in your area from being further

The following pictures are examples of typical construction that will be required in your area.



contaminated. Once the sewer collection system construction has been completed and is operational, existing septic tank permits will no longer be valid and no new permits for new septic systems will be issued in the project area.

**New construction will be done at
NO COST TO YOU!**

-YOU ARE INVITED-

Lyon County Utilities will be hosting a meeting on **May 14 at 7pm at the Dayton Valley Community Center, 170 Pike Street**. A presentation will be made covering the project history and what can be expected during construction. Please RSVP to Lyon County Utilities at 246-6220 as seating is limited.

What this project will provide to the property owner:

- Funding (estimated to be \$15,000 - \$20,000) to cover costs including connection fees, lateral (service line) installation from the main line to rear of the house, the connection from house to the new lateral including clean outs and abandonment of the septic tank.

What will be required of the property owner or occupant:

- Work cooperatively with design engineer to locate septic tank and select best route for new sewer lateral (service line).
- Clear the route for the lateral line. Remove plants, obstructions, etc. so that construction is not inhibited. More detail will come during and after meeting with design engineers.
- Be ready when your scheduled installation date arrives. Delays are costly.

What costs will the property owner be responsible for?

- Once connected to the new system, a monthly rate of \$54.74 which will be included on the monthly bill you already receive from the County.
- Any work done on private property that is not included or completed as part of this project. Examples might include: upgrades to fencing, new plants or trees, refusal to allow work to be done on private property during the project.

Lyon County has obtained Federal grant & loan money to complete the entire project. **The entire project will be done at NO COST to the affected homeowners!** The project will include new sewer collection lines in the streets, new sewer service lines (laterals) to the rear of each home, connection to each home's sewer, and abandonment of the existing septic tanks which will include pumping and filling the tanks with concrete (grout).

The project will go out to bid in November 2014 with an anticipated start of construction time frame of early spring 2015.

A design engineer's representative will be conducting site visits to each parcel over the next several months to determine the best construction method and pipe route that will result in the least amount of disturbance to your property. Please expect a representative from Farr West Engineering to be in your area in the upcoming months to discuss this project. They will leave contact information if you are not at home so that you can make alternative arrangements.

For Additional Information about the health effects of Nitrates (sewage) in drinking water supplies and for a project schedule including ongoing updates, visit our website or call us with questions:

**www.lyon-county.org/Departments/Utilities
or (775) 246-6220**