



Lake Quivira Sanitary Sewer Rehabilitation Project Specific FAQ

- 1. What type of work will be done?** Many of the existing sanitary sewers in the Lake Quivira community are in need of repair. As a result, these sewers need to be repaired or replaced in order to maintain continuous wastewater service and reduce the potential for future sewer backups, overflowing manholes, or overflows into Lake Quivira. This project will include the repair and replacement of many sanitary sewer pipes and manholes in the community. Some of the sewer replacement and repair will be performed using trenchless (no dig) technologies; however, a majority of the replacement work will be performed using open cut excavations. Only the sewer mains and manholes will be affected by this project; individual property service laterals will not be replaced or repaired.
- 2. What type of trenchless technologies will be used on this project?** Trenchless technologies are used to repair and rehabilitate sewer lines while minimizing the need for open cut excavation. There will be two types of trenchless technologies used on this project. They include *pipe bursting* and *cured-in-place pipe (CIPP)*. *Pipe bursting* is a method of sewer replacement that is much lower impact than open cut excavation and uses the existing sewer pipe as a guide for a metal bursting head. Small excavations are necessary at the ends of sewers repaired by *pipe bursting*. The old pipe is broken and pushed into the surrounding soil and a new pipe is pulled behind. The service laterals are then reconnected via open cut excavation. *CIPP* is a method of pipe rehabilitation that installs a resin-saturated cloth tube into a sewer line through an existing manhole. The resin in the cloth tube is then cured (hardened) using steam or hot water. The service laterals are then opened using a robotically-controlled cutting device. Both of these technologies are only appropriate in specific locations so open cut installation of new sewer lines is still necessary in many cases. Trenchless technologies will be used to

minimize disruption to the affected property owners where possible.

3. **Will our property be affected, and if so, how?** Johnson County Wastewater (JCW) has prepared a website for this project at www.jcw.org/engLakeQuivira.htm. This website includes a preliminary improvements map that highlights which sewers will be affected by this project. In addition, if your property will be directly affected by this project, you will receive additional correspondence from JCW which identifies specifically what work will be performed on your property. This correspondence will be delivered during summer 2010. At that time, there will be another opportunity for you to voice any concerns regarding the work on your property and to notify us of other considerations, e.g., existing underground sprinkler systems, future house additions, etc.
4. **Who is paying for this work?** This project is being funded through Johnson County's system-wide capital fund. Although individual homeowners are not directly responsible for the costs of these types of projects, the costs are reflected in the rates that all JCW customers pay for sanitary sewer service. A portion of this project will be funded by the City of Lake Quivira per an agreement between the City and JCW.
5. **Will this work affect any future property plans I have, such as a new house addition?** Except in a few cases where the sanitary sewer may be realigned, this construction will occur within existing easements where the existing sanitary sewer is located. Since there will be very few new permanent easements required for this project, future property plans should not be affected. If you have any specific property plans that you feel may be affected by this project, please see the main project page for contact information.
6. **When will construction work begin?** Design work began in autumn 2008 and is anticipated to continue through summer 2010. Tentatively, it is planned to initiate construction in early winter 2011. Completion of construction is anticipated by autumn 2012.
7. **Will roads or access to our homes (driveways) be blocked?** Temporary street closings may be necessary during construction. The Contractor will be required to minimize traffic delays as much as practical and will be required to have all roads opened at the end of

each day. If any part of a driveway must be removed for construction, temporary vehicular access, at a minimum, will be made available at the end of each work day.

8. **Will I be without sewer service?** If your sewer service will be affected by construction, the Contractor will notify you beforehand. The Contractor will be required to reinstate your sanitary service by the end of each work day.
9. **Will this work affect my water service?** Construction will not affect drinking water service.
10. **What are the Contractor's work hours?** Construction will be limited to the hours between 7:30 am and 5:00 pm.
11. **Will I be notified prior to construction?** The Contractor will be required to notify affected property owners at least 14 days prior to construction. In addition, before construction begins, JCW will conduct a public meeting for residents with the Engineer and Contractor present to answer questions. An updated project schedule will also be maintained on the project website at www.jcw.org/engLakeQuivira.htm.
12. **Will trees be removed during construction?** Due to the nature of the work, some trees will have to be removed in order to repair or replace the sanitary sewer. This is done to allow for construction of the sewer, but also to minimize the opportunity for tree roots to penetrate the sewer. Invading tree roots can cause a reduction of the carrying capacity of the sewer or potentially cause a full blockage of the pipe that could lead to an overflow of the sewer system at that location. Typically, trees that are required to be removed to construct the project are replaced with a small diameter tree outside the permanent sewer easement.
13. **Who will be the Engineer and Contractor?** JCW has contracted GBA, a local engineering firm, to perform the design phase services. See the main project page for contact information. The Contractor will be selected after the final design is complete through a competitive bidding process in compliance with the Purchasing Policies of Johnson County.