

**July 6, 2016**

**DETERMINATION OF NO EFFECT**

**TO ALL INTERESTED AGENCIES AND PUBLIC GROUPS:**

Pursuant to the environmental assessment requirements of 31 Texas Administrative Code (TAC) §363.14 of the Texas Water Development Board (TWDB) rules, the Executive Administrator of the TWDB has determined that the proposed action identified below may be exempted from formal environmental review requirements:

City of Keller, Tarrant County, Texas  
Enhanced Water Loss Control Project  
SWIFT Project No. 51029

Total TWDB Commitment: \$12,180,000 (Loan Nos. LM16057, LM19057, LM22057)

The City of Keller (City) is proposing to use a \$12,180,000 State Water Implementation Fund for Texas (SWIFT) Program loan to finance the replacement of deficient infrastructure within the City's water distribution system. The City is located northwest of the City of Fort Worth, in Tarrant County. The City provides drinking water services to a population of approximately 42,050 (15,600 connections). The City purchases treated water from the City of Fort Worth to provide this water service. The City has no water or wastewater treatment plants.

The City's water distribution system includes approximately 286 miles of distribution waterlines including water mains. Approximately 5 percent of the distribution system is made of older deteriorated, or otherwise deficient pipelines, including those consisting of asbestos cement (AC), cast iron (CI), thin-walled polyvinyl chloride (PVC, class thin-walled), and galvanized steel (GAL). Although the City's overall water loss is not high (less than 4 percent), these pipelines are the cause of most of the water loss due to leaks and pipe breakages. Unless replaced, this will worsen as these pipelines continue to deteriorate.

The City plans to replace approximately 12 miles of 2- to 12-inch diameter water distribution pipelines. Pipelines with diameters less than 8 inches will be replaced with 8-inch diameter pipelines. All work will be performed within the City in public rights-of-way, public easements, and on previously disturbed sites, some of which are under pavement. The pipelines being replaced will be taken out of service and abandoned in place. The City will also replace approximately 1,600 water service connections.

Environmental impacts should be similar to rehabilitation activities and limited to those associated with excavation, pipe installation, and road repair. The replacement pipeline located near the historic Mount Gilead Cemetery, will be placed under road pavement or on the opposite side of the road from the cemetery. If the City decides that it is necessary to replace the pipeline on the same side of the road as the cemetery, then review and approval by the Texas Historical Commission (THC) will be required prior to construction. According to the Texas Archeological Atlas, the project is not located within a National Register Historic District nor are there other

archeological sites within the project footprint. If any lines cross creeks that may potentially qualify as waters of the U.S, the method of crossing will be selected to avoid activities under the jurisdiction of the U.S. Army Corps of Engineers, or all work will be performed in compliance with the Nationwide Permit 12 for Utility Line Activities. If any project activities are located in a 100-year floodplain, a floodplain permit or documented waiver from the local Floodplain Administrator will be required prior to construction activities. Because construction activities will be limited to existing ROWs in urban and residential areas, no impacts to threatened or endangered species or their habitat are anticipated.

This decision is allowed because the specified project elements should not entail significant adverse impacts to the quality of the human environment. Documentation supporting this determination is on file at the TWDB.

This determination may be rescinded if it is found that:

- (1) because of changes in the project the proposed actions no longer correspond to the description provided above;
- (2) the project may have significant adverse environmental effects; or
- (3) Federal, State, or local laws are being or may be violated by implementation of this project.

The project also must comply with the following conditions:

- If any linework occurs within areas that potentially qualify as waters of the U.S., the method of crossing will be selected to avoid activities under the jurisdiction of the U.S. Army Corps of Engineers or will be performed in compliance with the Nationwide Permit 12 for Utility Line Activities;
- Prior to construction activities within a 100-year floodplain, a floodplain permit or documented waiver from the local Floodplain Administrator (National Flood Insurance Program) must be obtained;
- The replacement pipeline, located near Mount Gilead Cemetery, will be placed under road pavement or on the opposite side of the road from the cemetery. If the City decides that it is necessary to replace the pipeline on the same side of the road as the cemetery, then review and approval by the Texas Historical Commission will be required prior to construction;
- Standard emergency condition for the discovery of cultural resources; and,
- Standard emergency condition for the discovery of threatened and endangered species.

Comments regarding this determination may be submitted to the Director, Regional Water Planning & Development, Texas Water Development Board, P.O. Box 13231, Austin, Texas 78711-3231.



0 1,200 2,400 3,600  
Feet

**Water Line Pipe Type**

- AC
- CI
- PVC Class (Thin Walled)
- GAL

This map was compiled for solely the use of City of Keller who assumes no responsibility for the content or accuracy other than the use intended.  
DECEMBER 2015  
CITY OF KELLER - GIS

# WATER PIPE TYPES TO BE REPLACED

