

April 2, 2009

Arlyn Unrein, Public Works Director
City of Russell
P.O. Box 112
133 W. 8th
Russell, Kansas 67665-0112

Re: City of Russell, Kansas KPWSLF Project No. 2635 (16251.002)

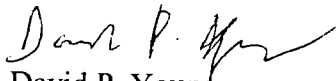
Dear Mr. Unrein,

The Kansas Geological Survey (KGS) has received your March 25, 2009 letter requesting us to review the above referenced project. The project involves the replacement of approximately 3,000 linear feet of 12-inch water line. All work will be within the City limits of Russell.

A review of regional geologic information and project information provided by you indicates that there are no unduly adverse geologic conditions that should affect this project. Site-specific conditions should be considered prior to any construction. A completed agency review form is enclosed.

This letter is an assessment based on information about the regional geologic conditions available via the KGS and cannot be used in substitute of a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the viability of the project. It is the responsibility of the applicant to provide any necessary characterization, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

Sincerely,


David P. Young
Hydrologist

Encl

cc: Dan Suchy, KGS Data Resources Library

The following form may be used by the Review Agency/Commission for comments in response to the request for clearance from the proposed Public Water Supply Loan Fund Project.

☐	Army Corps of Engineers
☐	Kansas Biological Survey
☐	State Conservation Commission
☐	Kansas Corporation Commission
☐	Division of Water Resources/Kansas Department of Agriculture
☒	Kansas Geological Survey
☐	Kansas State Historical Society, State Historic Preservation Office
☐	Kansas Water Office
☐	Kansas Department of Wildlife & Parks
☐	US Dept of Agriculture - Natural Resources Conservation Service
☐	Kansas Department of Health and Environment
☐	US Dept of the Interior - Fish and Wildlife Service

Agency Review Comments: (to be completed by reviewing agency and returned to applicant contact person at name and address shown below)

Comments: Please see cover letter.

Recommended Action: (to be completed by the reviewing agency and returned to applicant contact person at name and address shown below.)

☒	Clearance of project should be granted
☐	Clearance of project should not be granted
☐	Clearance of project should be delayed until the issues or questions have been clarified.
☐	Clearance of project should not be delayed, but the applicant (in the application) should address or clarify the questions or concerns indicated above.)

D. Young
Reviewer's Name

KGS
Division/Agency/Commission

4/2/09
Date

Project Title: Public Water Supply Loan Fund Application

Applicant: City of Russell

Contact Person: Arlyn Unrein

Address: P.O. Box 112

City, State: Russell, Ks. Zip: 67665 Phone: (785)-483-6311

CITY OF



P.O. Box 112
133 W. 8th
Russell, KS 67665-0112
Phone: (785) 483-6311
Fax: (785) 483-4397

March 25, 2009

Kansas Geological Survey
University of Kansas
1930 Constant Ave., Campus West
Lawrence, KS. 66047

Re: City of Russell, Kansas KPWSLF Project No. 2635
Project No.: 16251.002

The City of Russell is preparing an application to the Kansas Department of Health and Environment for a loan from the Kansas Public Water Supply Loan Fund. The replacement of approximately 3,000 linear feet of 12-inch water distribution line will be completed in a single contract. All work will be within the City limits of Russell.

We would appreciate your review of the enclosed project description and location. We request that you provide any comments you may have within the next 30 days. A project review form is enclosed for your use.

Please contact me if you have any questions concerning the project.

Sincerely,


Arlyn Unrein
Public Works Director

Enclosures

**City of Russell, Kansas
Lincoln Street Water Line Replacement**

**ENVIRONMENTAL REVIEW REQUEST
March 2009**

The City of Russell has completed reconstruction of about two-thirds of its existing water distribution system. Replacement of the old, unlined cast iron pipes with more modern materials has improved the distribution capability of the system and has eliminated a lot of the problems associated with leaks and customer complaints due to “red water”. System reliability for delivery of water to the north side of the City has been improved by construction of a grid of 12-inch line connections across the railroad tracks that bisect the City. The remaining leg of the 12-inch grid is the replacement of the existing line along Lincoln Street.

The attached Sheet Number 1 shows the relative location of the Project Area within the City limits of Russell. Sheet number 2 is an aerial view of the approximate 3,000 foot length of the project. The project will be constructed in the existing Lincoln Street right-of-way with interconnections to the existing water distribution system at the street intersections along the route.

The new transmission line provides several benefits and improvements to the overall water system:

- It replaces a heavily tuberculated cast iron pipe that was installed in the early 1950's.
- It completes the 12-inch grid and improves the delivery of water to the north water tower.
- The overall distribution system reliability in the west central part of the City will be improved.

The transmission line project is estimated to cost \$300,000. The City is applying for funding through KDHE's State Revolving Loan Fund.

The current average monthly residential bill is about \$36. The cost impacts to the average 6,500 gallon per month user will be minimal as it is expected the project debt will be retired without a rate adjustment.



LOCATION MAP

BARTLETT & WEST

PHONE 888.300.6464

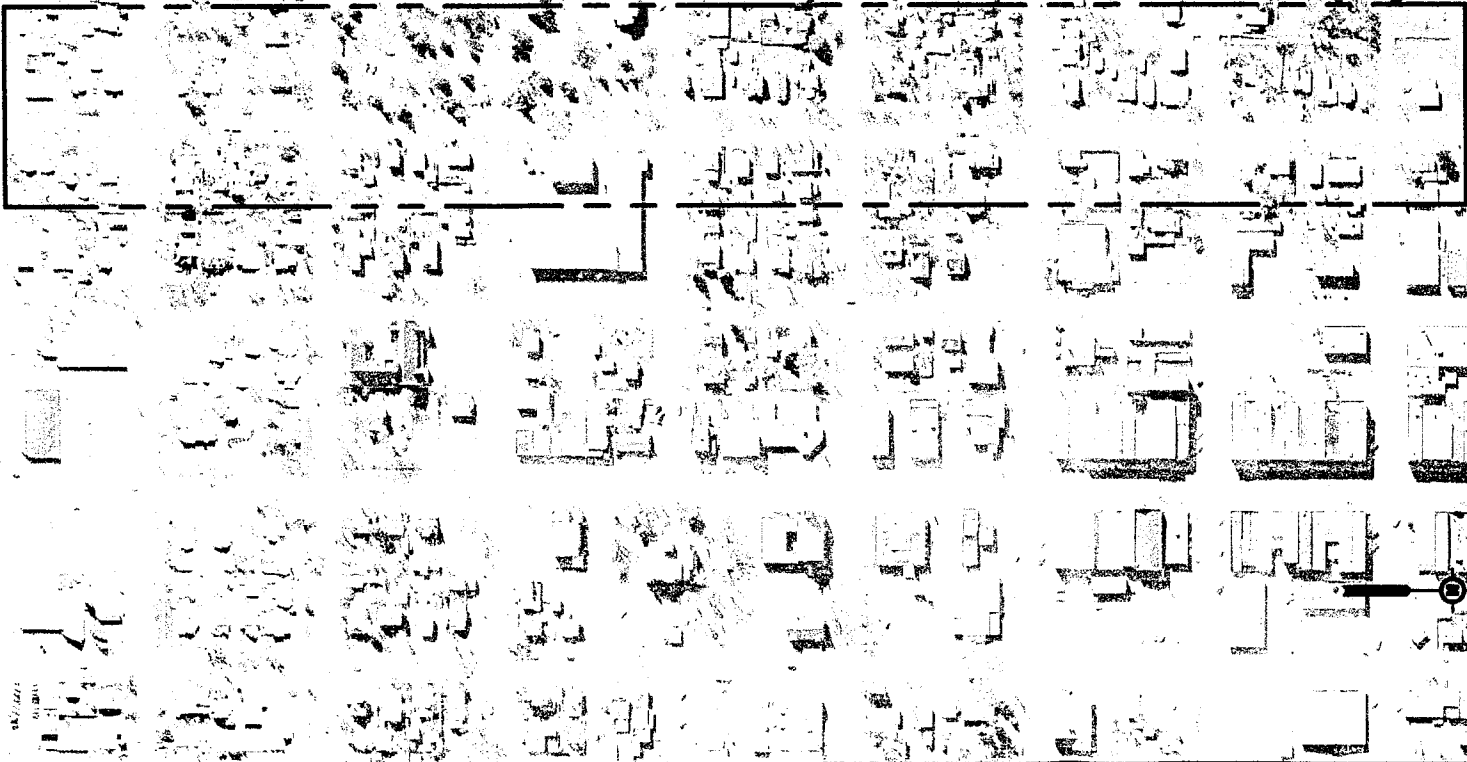
WATER SYSTEM IMPROVEMENTS FOR THE CITY OF RUSSELL, KANSAS

PROJ NO:	16251.002
DATE:	MARCH 2009

SHEET NUMBER

1
1 OF 2

PROJECT AREA



BARTLETT & WEST

PHONE 888.322.6444

**WATER SYSTEM IMPROVEMENTS
FOR THE
CITY OF RUSSELL, KANSAS**

PROJ NO:
16251.002

DATE:
MARCH 2009

SHEET NUMBER

2

2 OF 2