KU KANSAS GEOLOGICAL SURVEY
The University of Kansas

August 14, 2007

Rose Mary Saunders
Kansas Rural Water Finance Authority
P.O. Box 3608
Wichita, KS 67201-3608

Dear Ms. Saunders,

I have reviewed the proposed project to make improvements to the water distribution and storage system for the City of Udall.

Based on the documents attached to your request, it does not appear that there are any potential geologic hazards worth noting that might impact this project.

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or countywide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

If you have questions please do not hesitate to contact me at my office (785 – 864-2068).

Sincerely yours,

P. Allen Macfarlane

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
___x___ Kansas Geological Survey
_____ Kansas State Historical Society/State Historic Preservation Office
_____ Kansas Water Office
_____ Kansas Department of Wildlife & Parks
_____ U.S. Dept. of Agriculture, Natural Resources Conservation Service
_____ Kansas Department of Health & Environment
_____ U.S. Department of the Interior, Fish & Wildlife Services

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

Comments: _____

_____

_____

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

__X__ 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.

C Allen Marcher — Reviewer's Name
(KGS) — Division/Agency/Commission
8/14/07 — Date

Project Title: Public Water Supply Loan Fund Application

Applicant: City of Udall, Kansas

Contact Person: Rose Mary Saunders, Kansas Rural Water Finance Authority

Address: P. O. Box 3608, 200 W. Douglas Avenue

City, State: Wichita, KS 67201-3608

Kansas Rural Water
FINANCE AUTHORITY

P.O. Box 111 • Seneca, KS 66538
Ph: 785-336-3760 • Fax: 785-336-2751

P.O. Box 3608 • Wichita, KS 67201-3608
Ph: 316-265-4855 • Fax: 316-265-5403

August 9, 2007

Mr. P. Allen Macfarlane
Kansas Geological Survey
University of Kansas
1930 Constant Avenue, Campus West
Lawrence, KS 66047

RE: City of Udall, Kansas
Water System Improvements
KWPCRF Project No. 2490

Dear Mr. Macfarlane:

The City of Udall is preparing an application to the Kansas Department of Health & Environment for a loan from the Kansas Public Water Supply Loan Fund for the water system improvements project. The City is also submitting an application to the Kansas Department of Commerce for Small Cities Program CDBG funds to assist in the construction of this project.

Phase I of the proposed project will consist of installing 4,000' of 6" water line from the existing well field to the city along with 11,450' of 8" water line within the City Limits, 76 water service reconnections, 5 fire hydrant assemblies as well as constructing a new 250,000 gallon water tower to work in conjunction with the existing 60,000 gallon water tower and a new telemetry system. The transmission line will be installed in existing easements and the distribution system lines in the city will be installed in public right-of-way. The reconnections are needed to hook-up the residents and businesses to the new water lines. Phase I of this project will replace the remaining cast iron line on the transmission line and the 11,450' of distribution lines will form the main arterial lines for the replacement of the aging water system. The original lines were installed after the 1955 tornado that destroyed the city. The estimated project cost for phase I is $1,825,000.

The proposed project's includes replacement of 4,000' of cast iron line with PVC pipe located along Kansas Highway 55 with approximately the east 100' in Section 6, Township 31 South, Range 2 East in Cowley County and the balance (3,900') in Section 1, Township 31, Range 2 East, Sumner County, Kansas. The distribution system improvements including the water line replacement, the tower construction and the installation of the telemetry will be in the City's Limits in Sections 4 and 5, Township 31 South, Rage 3 East and Section 32, Township 32 South, Range 3 West, Cowley County, Kansas. A map of the proposed improvements is included for your information.

No persons will need to be relocated due to the construction of this project. If there are any special permits or conditions that apply, please let us know. We would appreciate receiving your comments by September 9, 2007 regarding this project. A Project Review Form has been enclosed for your convenience.

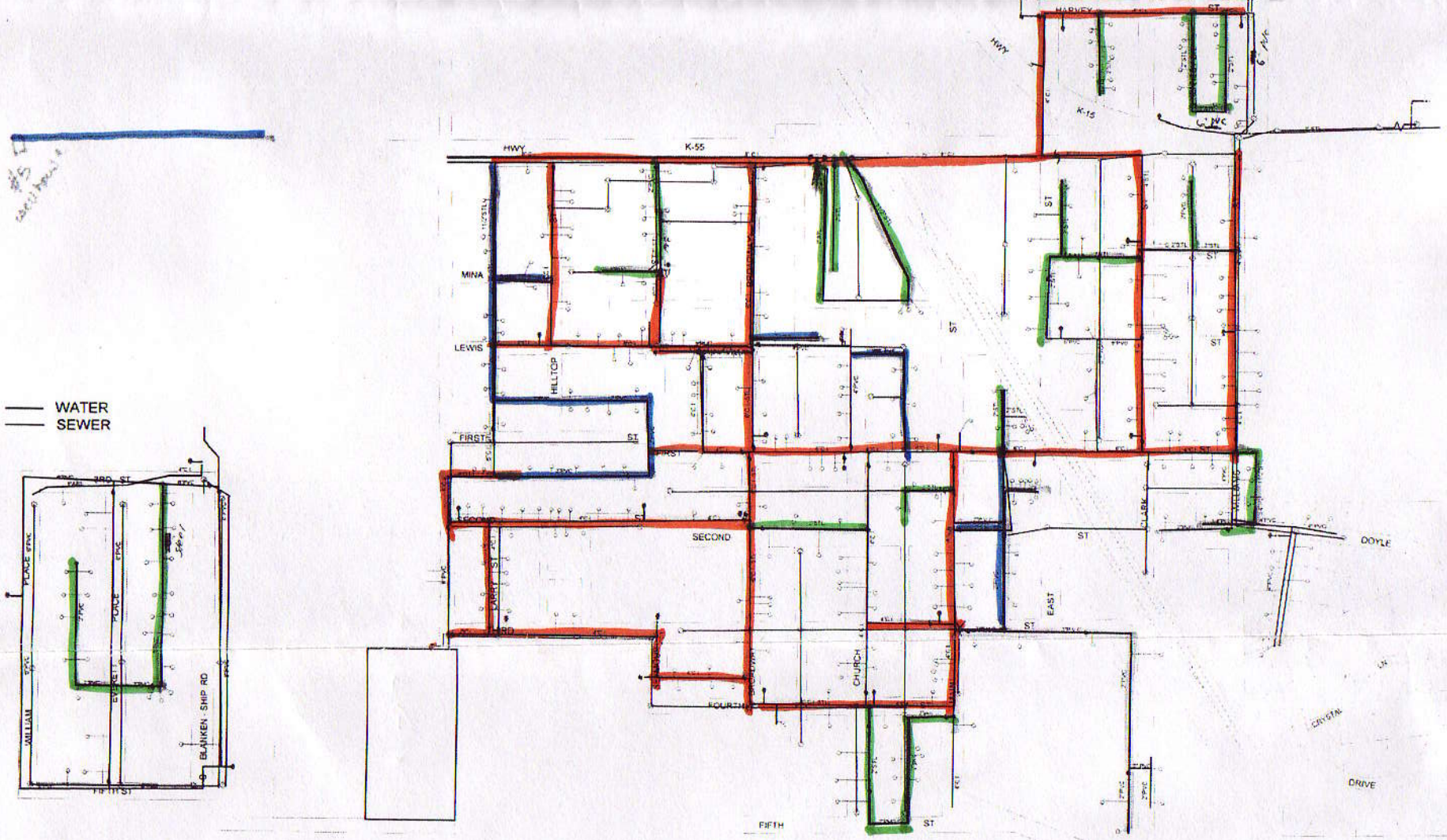
If you have any questions regarding the construction, please contact Jim Ubert at Poe & Associations at (316) 685-4114. If you have any questions regarding the City's application, please feel free to call me at (316) 264-3400.

Sincerely,

Kansas Rural Water Finance Authority

Rose Mary Saunders
Senior Consultant

Enc.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CHURCH
CLARK
MELODY
DOYLE
EAST
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3RD
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PURDE
EVERETT
WILLIAM
BLANKEN - SHIP RD

- Immediate
- Immediate
- Critical