

April 16, 2008

W. Jean Kimball
City Clerk
The City of Medicine Lodge
114 West First Street
Medicine Lodge, Kansas 67104-1305

Re: Medicine Lodge PWS Improvements - City of Medicine Lodge, KS

Dear Ms. Kimball:

The Kansas Geological Survey (KGS) has received the The City of Medicine Lodge's (City) February 26, 2008, request for environmental comments. The City is completing an environmental review as a component of the Community Development Block Grant (CDBG) application process. Funds from the CDBG will finance improvements to the City's public water supply system (PWS). Project work includes construction of a three and one-half mile raw water line from the City's well field to its water treatment plant. The project is within and north of Medicine Lodge, Barber County, KS.

A review of regional geologic information along with site maps provided by you indicates that there are no unduly adverse geologic conditions that should affect this project, so clearance of the project should be granted. A completed environmental review form is enclosed.

This letter is an assessment based on the regional geologic conditions available at the KGS at the time of writing 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 or safe operation of this facility or property. 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,



Shane Lyle, RG
Geology Extension Coordinator

Enclosures

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 Raw Water Transmission Line.

CDBG No. 08-PF-808 KDHE No. KSPWSLF 2427 EPA No. XP-987952701

_____	Army Corps of Engineers
_____	Kansas Biological Survey
_____	State Conservation Commission
_____	Kansas Corporation Commission
_____	Division of Water Resource/Kansas Department Agriculture
<u>X</u> _____	Kansas Geological Survey
_____	Kansas State Historical Society, State Historic Preservation Office
_____	Kansas Water Office
_____	Kansas Department of Wildlife and Parks
_____	U.S. Dept of Agriculture – Natural Resources Conservation Service
_____	Kansas Department of Health and Environment
_____	U.S. Dept of Interior – Fish and Wildlife Service
_____	Kansas State Board of Agriculture

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 the reviewing agency and returned to applicant contact person at the name and address shown below)

<u>X</u> _____	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.

<u>SLV</u> _____	<u>KGS</u> _____	<u>4-16-08</u> _____
Reviewer's Name	Division/Agency/Commission	Date

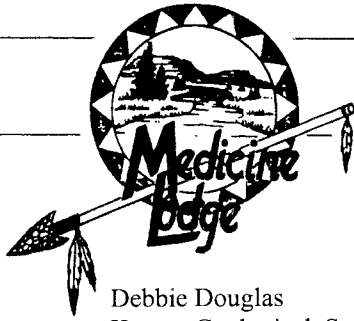
Project Title: Raw Water Transmission Line – CDBG 08-PF-808; KSPWSLF 2427; and EPA XP-987952701

Applicant: City of Medicine Lodge

Contact Person: Ted Hauser

Address: 114 West First Street

City, State: Medicine Lodge, KS Zip 67104 Phone: 620-886-3908



The City of Medicine Lodge

114 West First Street - Medicine Lodge, Kansas 67104-1305
(620) 886-3908 • FAX 620-886-3900 February 26 2008

Debbie Douglas
Kansas Geological Survey
1930 Constant Avenue
Lawrence, KS 666047-3726

Dear Debbie Douglas,

The City of Medicine Lodge is submitting this letter and attachments as part of the environmental review process required by the Department of Commerce Community Development Block Grant program. Your agency's comments will be an important part of the environmental review.

The City of Medicine Lodge is planning to construct a three-and-one-half-mile-long raw water transmission line from the City's well field north of town to the City's water treatment plant. The total project cost is estimated to be \$1,130,505 and will be financed by a \$400,000.00 CDBG Grant, \$487,900.00 EPA STAG Grant; and \$242,605.00 in local funds.

The proposed 12" pressurized transmission line will replace the current 36" gravity flow line which is the City's only means by which water is delivered to the City. The current gravity flow line was built in 1917 and, because of its age, is gradually deteriorating causing more water loss annually.

The proposed pressurized line will follow an entirely different route from that of the current gravity-flow line. The proposal is to collect the raw water from the City's wells into a pump station on Well Road. From there, the raw water will be transported via the pressurized line along a straight route from the pump station to the treatment plant about three miles to the south. The new line will go across agricultural land for about two miles to a point where it will meet and then follow the township road right-of-way to the treatment plant. The agricultural land is primarily pasture.

Attached is a map prepared by the project engineer – Bucher, Willis, and Ratliff in Salina – showing the routing of the existing 36" line and the proposed routing of the 12" pressurized line.

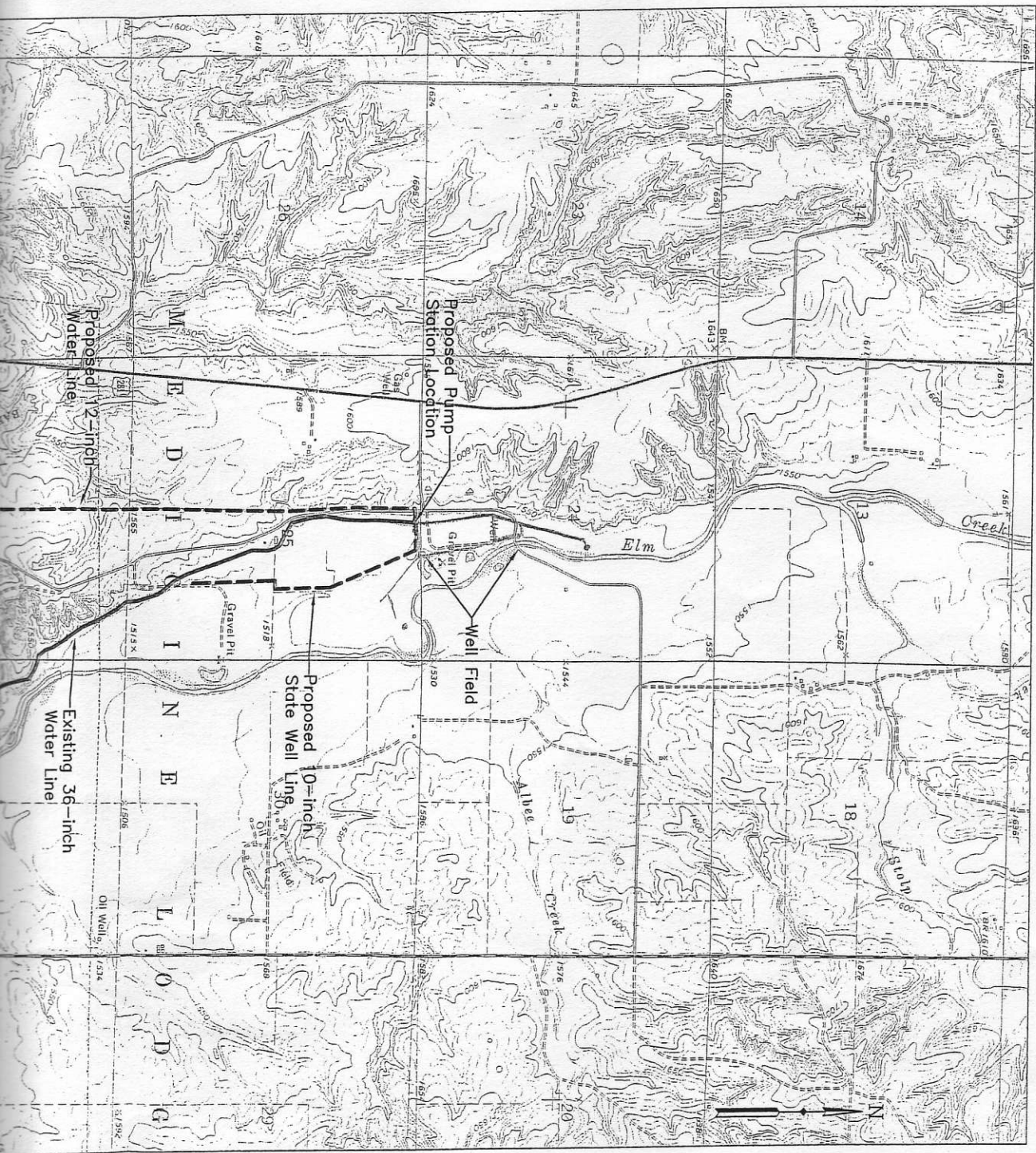
Therefore, we are requesting your agency's observations on the proposed project. For your convenience, we have enclosed a comment form you may use as a guide. However, feel free to use whatever documentation you wish.

We appreciate your attention to this matter and if you have any questions, please do not hesitate to contact me.

Sincerely,

W. Jean Kimball
City Clerk

R12W | R11W





SCALE: 1"=2000'

**BUCHER, WILLIS & RATLIFF
CORPORATION**
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603