

INTERGOVERNMENTAL REVIEW TRANSMITTAL FORM

Comments By: Kansas Geological Survey Transmittal Date June 20, 2003

Project Title: Water Supply and Treatment Plant Improvements, City of Lecompton, Kansas

Contact Person: Mike Dalrymple, P.E. 785-234-6600 Fax: 785-234-6611

Return To: KRAMER ENGINEERING, P.A.
2348 SW Topeka Blvd.
Topeka, Kansas 66611-1286

This form provides notification and the opportunity for your agency to review and comment on the proposed project as required by Executed Order 12372. Please complete Parts I and II as appropriate. Your response by July 20, 2003 will be appreciated.

PART I - AGENCY REVIEW COMMENTS:

The proposed actions appear appropriate for improvement of the public water supply system. Test drilling and sampling at different depth intervals for the new well could reveal zones of the Kansas River alluvial aquifer that are lower in iron and manganese than other zones. Screening the well in the low Fe and Mn zones and sealing of the high Fe and Mn zones could potentially decrease problems associated with Fe and Mn oxidation, bacteria, and scale generation.

PART II - RECOMMENDED ACTION COMMENTS:

- ☒ Clearance of the project should be granted.
- ☐ Clearance of the project should not be granted.
- ☐ Clearance of the project should be delayed until the issues or questions have been clarified.
- ☐ Clearance of the project should not be delayed, but the Applicant should (in final design and/or permit application) address and clarify the questions or concerns indicated above.
- ☐ Request the opportunity to review final application prior to submission to the federal funding agency.
- ☐ Request the State Process Recommendation in concurrence with above comments.

Reviewer's Name: Donald Whittemore

Date: 7/28/03



KRAMER ENGINEERING, P. A.

CONSULTING ENGINEERS • SURVEYORS

2348 SW TOPEKA BLVD • TOPEKA, KANSAS 66611 • 785-234-6600 • FAX 785-234-6611

WATER SYSTEM IMPROVEMENTS CITY OF LECOMPTON, KANSAS

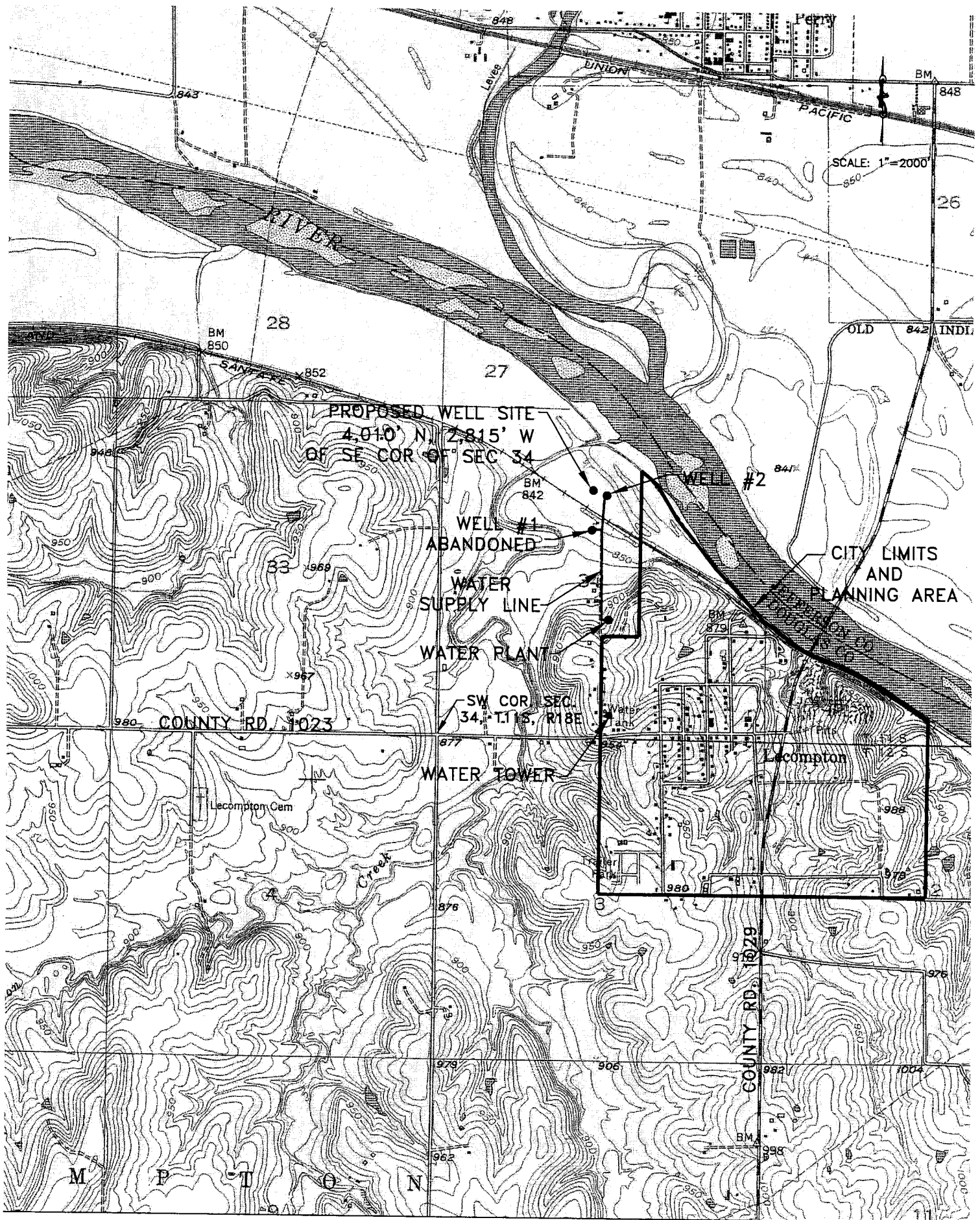
June 20, 2003

The Historic City of Lecompton is located in northwest Douglas County approximately 10 miles northwest of Lawrence and its corporate boundaries consist of approximately 500 acres. The City of Lecompton is a rural community with a reported 2002 population of 630 according to the Douglas County Assessor. The population is projected to remain relatively constant over the next few years.

The proposed water system improvements include the replacement of the existing City water treatment plant, constructing a new water supply well, rehabilitating the existing water supply well, and constructing a new water supply line in order to provide adequate water service to the City's existing users. The new water supply well will be constructed adjacent to the existing water supply well, Well #2, and will be designed for a capacity of 300 gpm. Well #2 will be rehabilitated and equipped with a 300 gpm pump. The existing 4-inch water supply line will be increased to a 6-inch supply line. Property will have to be obtained for the new water well site. The water plant will be constructed on the existing water plant site, which is owned by the City. The water plant will be designed to remove high iron and manganese levels, which are present in the well water supply.

The existing water system consists of one water supply well and a water treatment plant that were constructed in 1972. The Lecompton water system presently serves 262 users including 15 commercial users, one school building, and one apartment complex. See attached figure for well and water plant locations. The City has been experiencing well plugging problems due to bacterial growths, and high iron levels in the distribution system due to inadequate water treatment. The existing water plant and water supply capacity is not considered adequate to serve all water users under present day municipal standards.

The opinion of probable project cost is \$994,500.00. The City plans to finance the project with a \$400,000 Community Development Block Grant from the Kansas Department of Commerce & Housing and other matching funds. Other matching funds in consideration at this time are Rural Development grant and loan funds administered by the USDA, Kansas Public Water Supply Loan funds administered by KDHE, and general obligation bonds. Also, the City expects to increase water rates to repay any borrowed funds.



WATER SYSTEM IMPROVEMENTS MAP
LECOMPTON, KANSAS