

- ☐ Army Corps of Engineers
- ☐ US Department of Interior, Fish & Wildlife Services
- ☐ Kansas Biological Survey
- ☐ Kansas Conservation Commission
- ☐ Kansas Corporation Commission
- ☐ Division of Water Resources/Kansas Department of Agriculture
- ☒ Kansas Geological Survey
- ☐ Kansas History Center, Cultural Resources
- ☐ Kansas Water Office
- ☐ Kansas Wildlife & Parks
- ☐ Natural Resources Conservation Service
- ☐ Kansas Department of Health and Environment

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

Comments: Any adverse impacts during construction
should be offset by the long-term benefits to the
water-supply system.

Recommended Action: (to be completed by 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 address or clarify the questions or concerns indicated above

Donald Whittemore KS Geol. Survey 3/12/03
Reviewer's Name Division/Agency/Commission Date

Project Title: Water Distribution System Improvements for Strong City, Kansas

Applicant: City of Strong City, Kansas

Contact Person: Cara Hendricks
Kramer Engineering, P.A.
2348 SW Topeka Blvd.
Topeka, Kansas 66611
785-234-6600



KRAMER ENGINEERING, P. A.

CONSULTING ENGINEERS • SURVEYORS

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

February 21, 2003

Kansas Geological Survey
Attn: Donald Whittemore
University of Kansas
1930 Constant Ave – Campus West
Lawrence, KS 66047

Re: Water Distribution System Improvements Project
City of Strong City, Kansas

Dear Addressee:

Enclosed for your comments is an Intergovernmental Review Form for the referenced project and project description. The project was previously reviewed by your office in 2000. Some additional recommended improvements have been added to the project since that time, as described on the attached sheets. With the funding now in place, the City is ready to proceed with the project.

Please complete the transmittal form and return it to our office by March 24, 2003. The referenced project will comply with appropriate state laws concerning the application.

If you have any questions about the review or the project, please contact me.

Sincerely,

KRAMER ENGINEERING, P.A.

Cara C. Hendricks, E.I.T.
Project Engineer

CCH/cs

Enclosure

**KANSAS PUBLIC WATER SUPPLY LOAN FUND PROJECT
2003 CDBG PROJECT**

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

CITY OF STRONG CITY, KANSAS

February 21, 2003

The City of Strong City is located in north central Chase County approximately 25 miles west of Emporia on US Highway 50 and its corporate boundaries consist of approximately 260 acres. The City of Strong City is a rural community with a reported 2001 population of 585 according to the Chase County Assessor. The population is projected to remain relatively constant over the next few years.

The proposed improvements for the public water supply system for the City of Strong City are located within the City limits. The City of Strong City, Kansas currently provides a public water supply. The existing water system consists of three water supply wells and a water treatment plant that were constructed in 1977.

The Strong City water system presently serves 352 users including 21 commercial users, one school building and one rural water district. See attached figure for well and water plant locations. The City has been experiencing approximately 30% water loss, which is believed to be caused by leaks in old lines, valves and hydrants. Also, fire hydrant flow tests have indicated several areas throughout the City with inadequate fire flows.

The proposed improvements include the replacement of City water mains in order to provide adequate water service to the City's existing users, and to increase fire hydrant flows in certain areas of the City where flow tests have indicated low flows. The proposed improvement project consists of the replacing and installation of 8,640 feet of 8" and 1,530 feet of 6" PVC plastic pipe water mains, 15 fire hydrants, 90 service line connections, 15 gate valves, street crossings and repairs and appurtenant work.

The opinion of probable project cost is \$600,000.00. The City will use a loan from the KDHE public water supply loan fund and a Community Development Block Grant to finance the project. Also, the City expects to increase water rates to repay the loan amount.

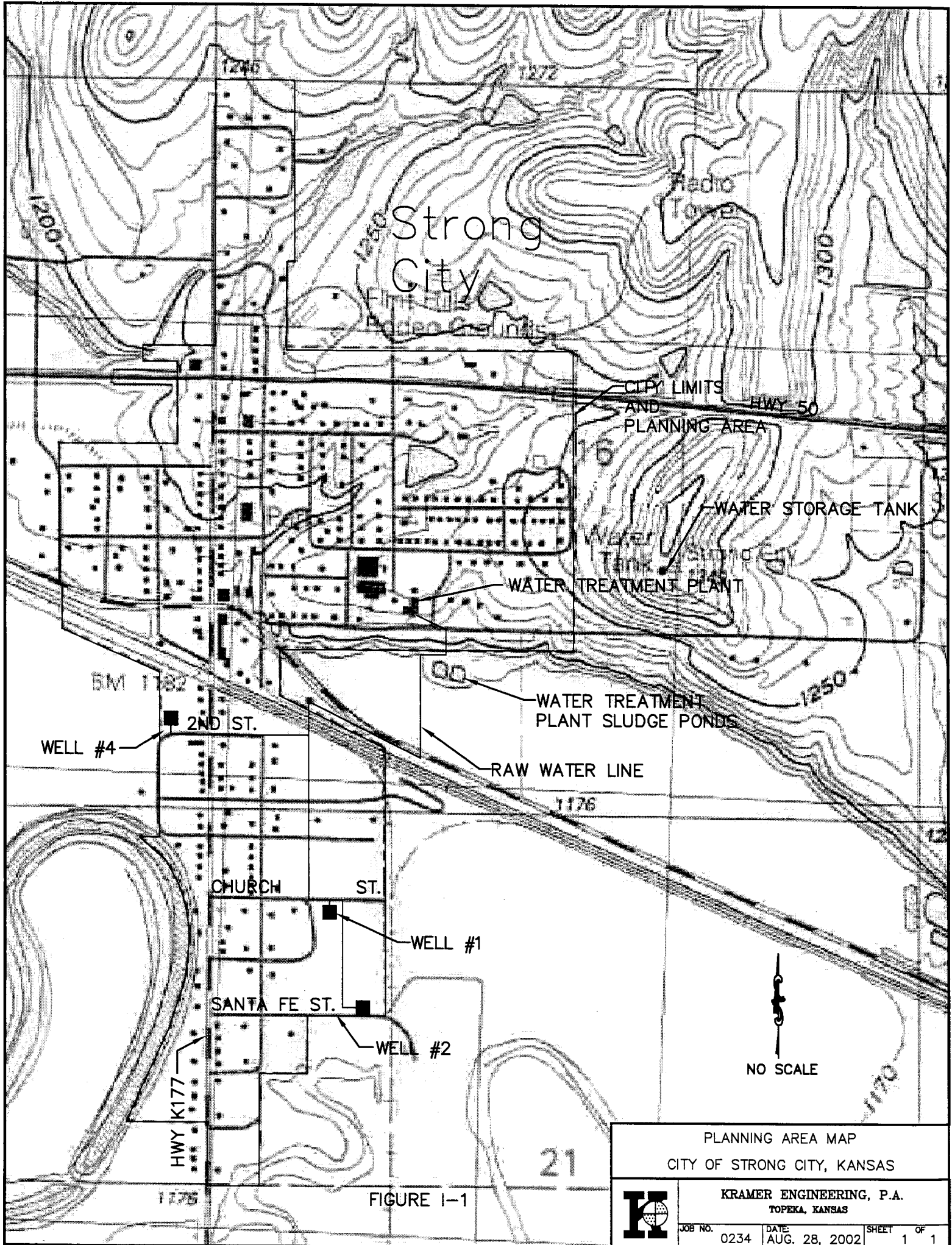


FIGURE I-1

PLANNING AREA MAP
CITY OF STRONG CITY, KANSAS



KRAMER ENGINEERING, P.A.
TOPEKA, KANSAS

JOB NO.	DATE	SHEET	OF
0234	AUG. 28, 2002	1	1