

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: The long-term benefits of decreasing water loss, ensuring the
transmission line operation, and decreasing the possibility of contamination
of the water supply should offset any short-term adverse impacts during
construction.

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.)

Donald W. Beltramore
Reviewer's Name

KGS
Division/Agency/Commission

9/20/05
Date

Project Title: Public Water Supply Loan Fund Application

Applicant: Medicine Lodge

Contact Person: Mary Yeager, Ranson Financial Consultants

Address: Sutton Place, 209 E. William, Suite 401

City, State: Wichita, KS Zip: 67202 Phone: (316)-264-3400



Ranson

Financial Consultants, L.L.C.

Wednesday, August 24, 2005

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

Re: The City of Medicine Lodge
Ted Hauser, City Administrator
114 W. First Street
Medicine Lodge, KS 67104-1305
Project No. 2427

The City of Medicine Lodge is preparing an application to the Kansas Department of Health and Environment for a loan from the Kansas Water Supply Loan Fund for the referenced project. (See project information below)

The location of the project will be in the City of Medicine Lodge, located in Barber County. The City Administrator in Medicine Lodge is Ted Hauser.
A narrative description of the project is as follows:

The raw water transmission line that delivers water to the city's water plant was constructed in 1917 making it nearly 90 years old. The line is a gravity (non-pressure) line that is limited in the quantity it can deliver to town. The transmission line is the sole means by which to deliver water to the city of nearly 2,200 residents. The city also provides water to the Barber County Rural Water District No. 1 which includes approximately 50 people. If the transmission line fails, the entire community and service area is without water, thus leaving the city and all residents with no water. The city has no emergency water source; groundwater in town is unusable due to quality problems. In the last few years, leaks have become very problematic with numerous leaks being visible from the ground surface. There are also leaks that are not visible but are known to exist. Excavation of the existing line for repair cannot be accomplished due to the unstable nature of the old frail concrete line. Any further damage could result in total failure of the line, thus leaving the city without water. Contamination from biological or chemical sources due to the leaks and openings in the transmission line is also a concern. The line is comprised of approximately 18,500 linear feet of 36-inch concrete pipe. For reliability and capacity reasons, the city needs to install a new pressure line from the well field to the water plant. The existing gravity line will remain in place to serve as an emergency water source in the future.

Ranson Financial Consultants, L.L.C.

Please note that a site map, which indicates the project site, is attached. See attachment labeled Figure 1 "Raw Water Transmission Line." In addition, there is another site map entitled "Figure 2 Proposed 12 – Inch Water Transmission Line" enclosed.

A Summary of the total cost is as follows:

Cost Classification	Estimated Total Cost
1. Acquisition	\$
2. Construction	\$894,375
3. Architectural/Engineering fees	\$67,500
4. Inspection	\$50,650
5. Legal Expenses	\$
6. Initial O & M	\$
7. Miscellaneous (explain)	\$7,500 (report, survey, preliminary engineering, etc...)
8. Administrative Expenses	\$
9. SUBTOTAL	\$1,020,025
10. Less local cash	\$620,025
11. TOTAL LOAN/GRANT NEEDED	\$400,000

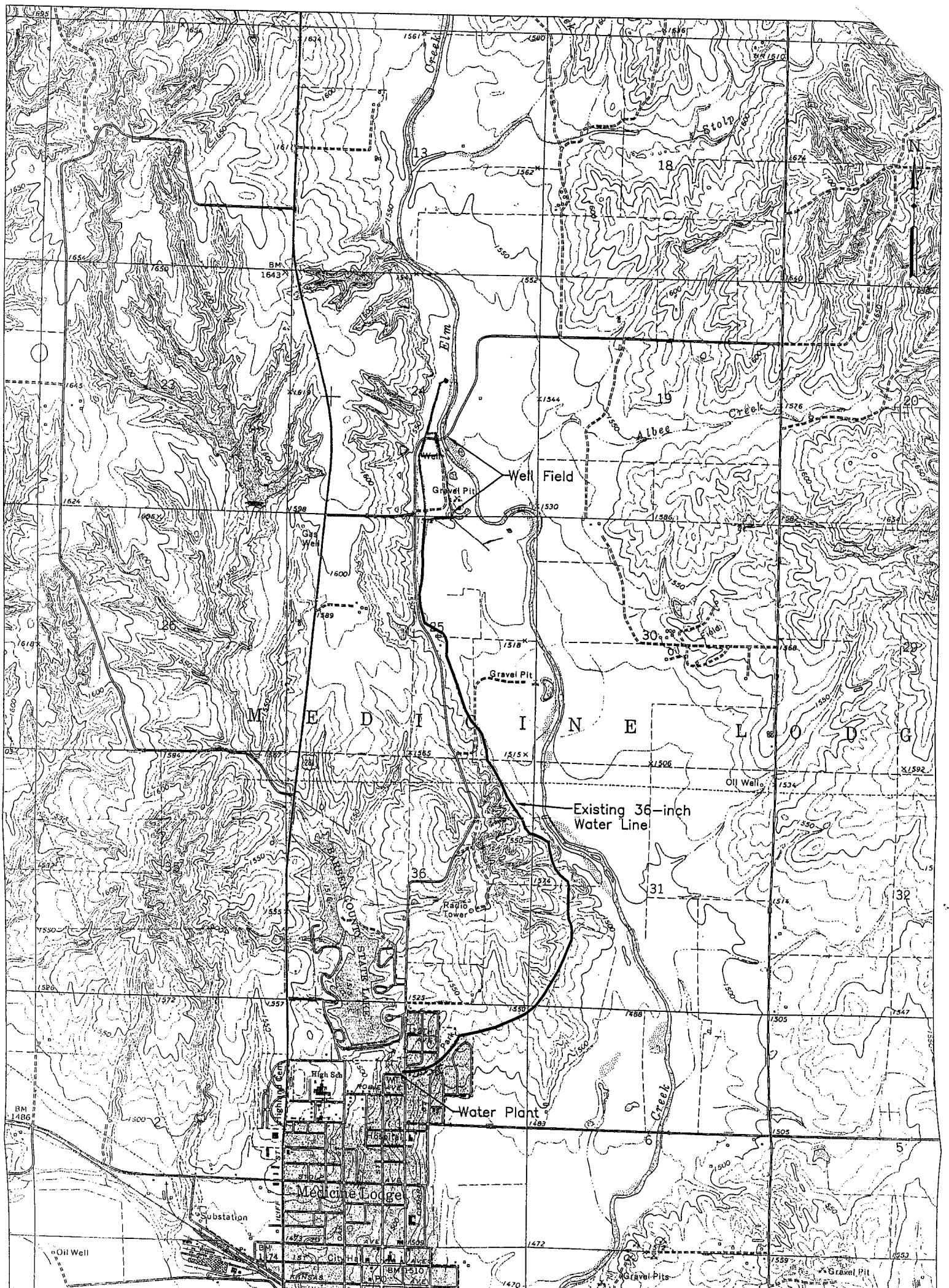
We would appreciate your review of the project description and location, and any comments you may have, within 30 days. A project review form for the Review Agency/Commission is attached as well.

Please contact me, M.E. Yeager at 316-264-3400 if you have any questions.

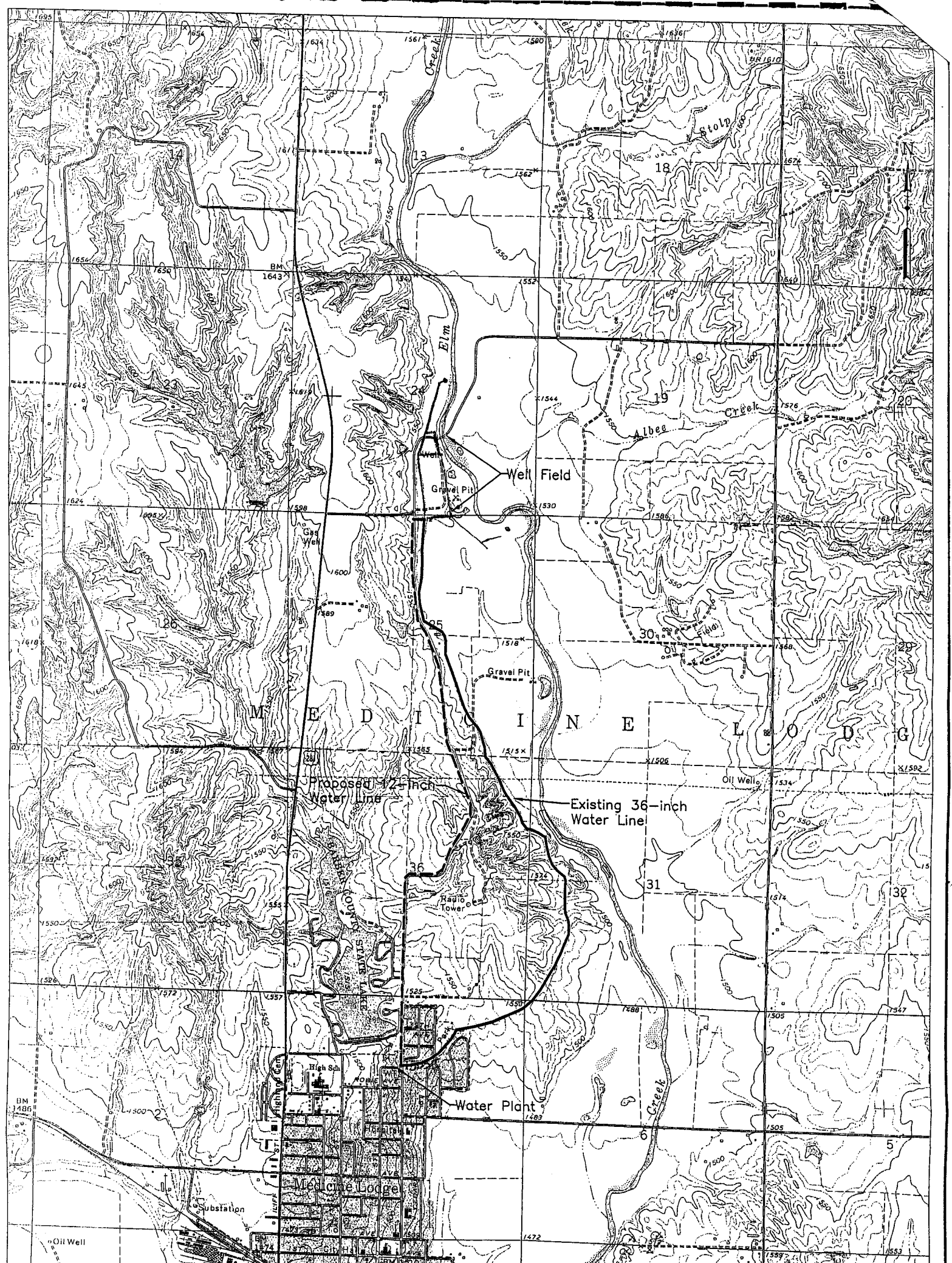
Thank you,



Mary Elizabeth "M.E." Yeager
Vice President, Ranson Financial Consultants, LLC







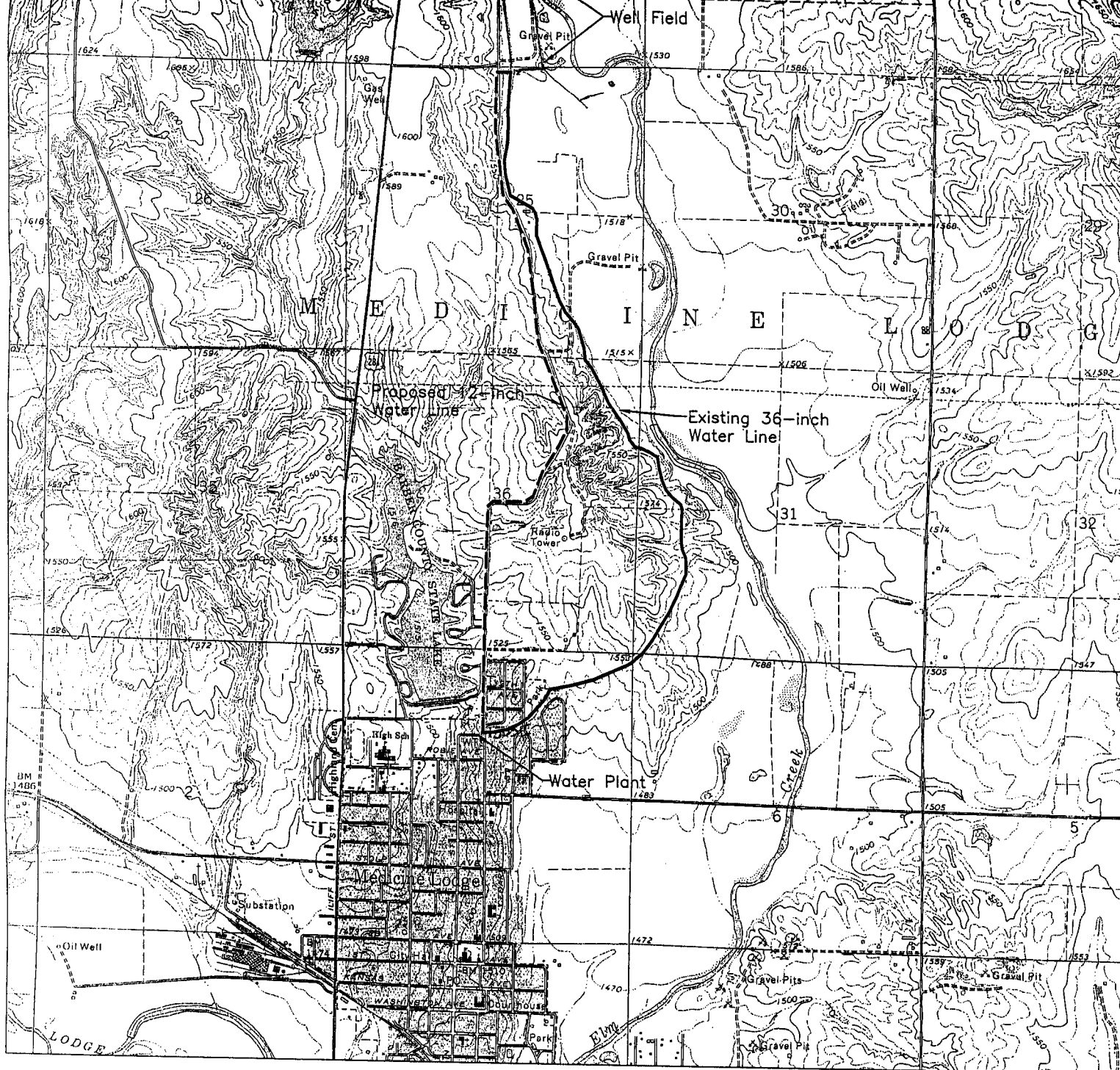


FIGURE 2
PROPOSED 12-INCH WATER TRANSMISSION LINE

SCALE: 1"=2000'

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