

August 14, 2007

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

Dear Ms. Saunders,

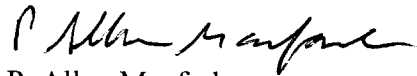
I have reviewed the proposed project to drill new supply wells, install distribution lines and construct a new reverse osmosis treatment plant capable of handling an 800 gpm.

The close proximity of the wells to the river, suggests that flooding is the only potential geologic hazard worth noting. I am curious about the need for the reverse osmosis treatment plant. Is it because of the iron and manganese or perhaps agriculture-sourced nitrate in the ground water at that location? I assume that the District has made application to the Division of Water Resources, Kansas Department of Agriculture for the required permits to withdraw water from the alluvial aquifer.

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
☒ 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: See attached letter

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 (in the application) should Address or clarify the questions or concerns indicated above.

P. Allen Macfarlane LCG 8/14/07
Reviewer's Name Division/Agency/Commission Date

Project Title: Public Water Supply Loan Fund Application

Applicant: Rural Water District #3, Douglas County 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: Rural Water District No. 3
Douglas County, Kansas
Water System Improvements
KWPCRF Project No. 2516

Dear Mr. Macfarlane:

Rural Water District No. 3, Douglas County, Kansas 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 proposed project will consist of drilling 3 shallow wells, install 5 miles of water distribution lines, install 5 miles of 3 phase power lines, construct a 500,000 gallon water tower and appurtenances, and a build reverse osmosis treatment equipment for 800 gpm. The estimated project cost is \$5,576,451.

The proposed project crosses several sections with the treatment plant being located in the SW/4, Section 31, T11S, R17E, Shawnee County to the new water storage tower located approximately 4-1/2 miles to the southeast in SW/4, Section 18, T12S, R18E, Shawnee County, Kansas. All road and creek crossings will be by directional boring. It is anticipated to install the line in private easement except in those cases where the line will need to be installed in public right-of-way. The attached maps shows the approximately locations of the proposed facilities and transmission line for your use.

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.

Page Two
Kansas Geological Survey
August 9, 2007

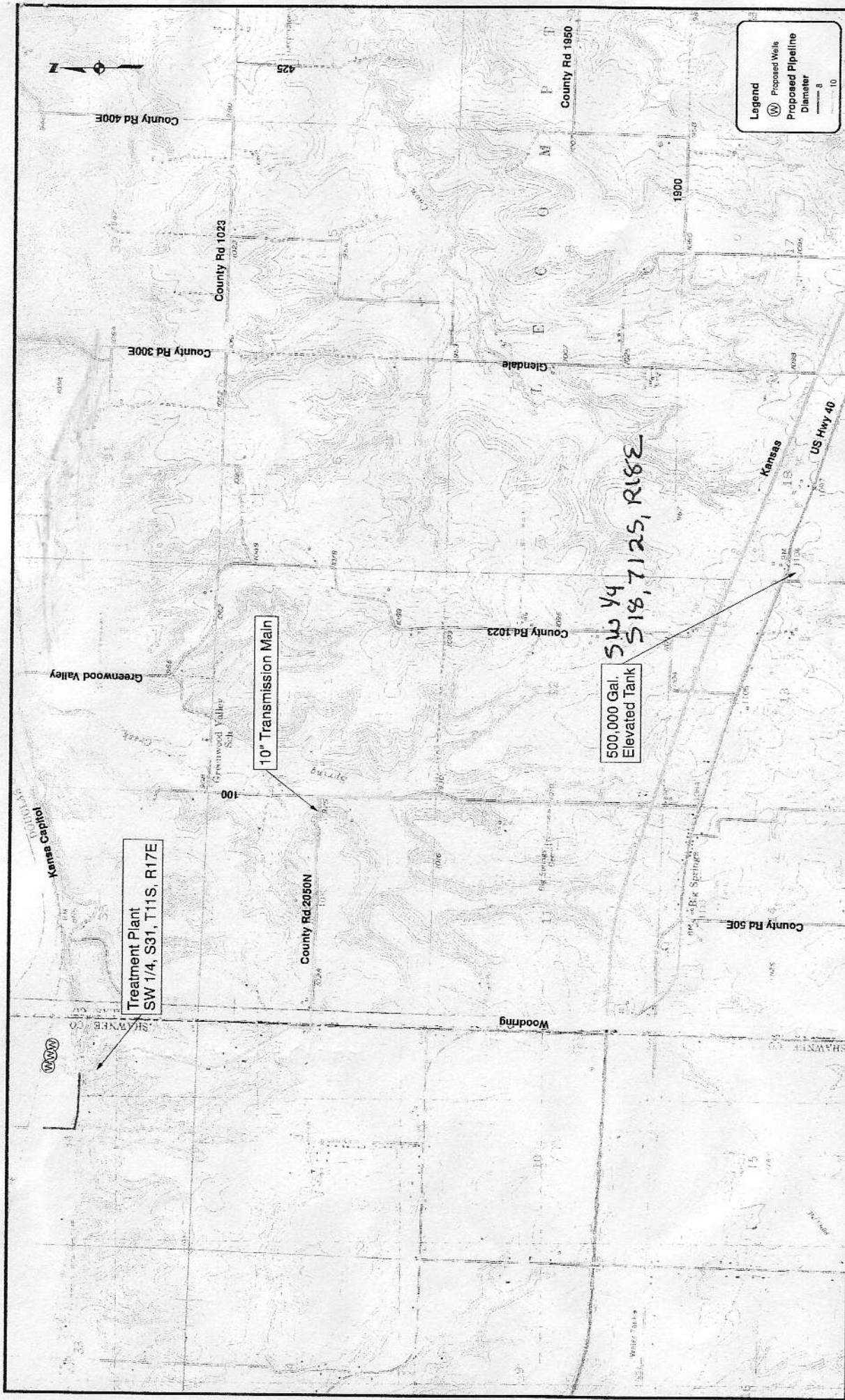
If you have any questions regarding the construction, please contact John Ruckman of Bartlett West at (785) 272-2252. If you have any questions regarding the District's application, please feel free to call me at (316) 264-3400.

Sincerely,

Kansas Rural Water Finance Authority


Rose Mary Saunders
Senior Consultant

Enc.



Legend

Proposed Well
 Proposed Pipeline
 Diameter 8
 Diameter 10

REV	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	DATE	SHEET NUMBER
						1 OF 1

PIPELINE IMPROVEMENTS

**RURAL WATER DISTRICT NO. 3
DOUGLAS COUNTY, KANSAS**

1200 EXECUTIVE DRIVE - TOPEKA, KANSAS
PHONE 785.327.7349
WWW.BARTLETTWEST.COM

**BARTLETT WEST
ENGINEERS**

500,000 Gal.
Elevated Tank
SW 1/4
S18, T12S, R18E

10" Transmission Main

Treatment Plant
SW 1/4, S31, T11S, R17E