

August 11, 2008

Susan E. Soelter
Bartlett & West Engineers
1200 SW Executive Drive
Topeka, KS 66615-3850

Dear Ms. Soelter,

I have reviewed the proposed project to make improvements to the existing system of Atchison County Consolidated Rural Water District #5.

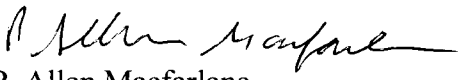
Based on the documents attached to your request, it appears that there could be potential geologic hazards that might limit the ability of the aquifer to meet the District's needs. The main concern is to insure that the well spacing is adequate to avoid problems with well interference given the nature of the materials forming the aquifer, the limited extent of the aquifer, and the aquifer's confined condition. On the basis of a limited review of the literature and the drillers' logs of nearby wells it appears that the District's wells will be sited in a narrow, buried valley filled mostly with glacial sediment. The glacial deposits consist of up to about 25 feet of predominantly fine sand and pea gravel at the base overlain by a thick section silt and clay up to the surface. Water levels in nearby wells and test holes indicate marginally confined to unconfined conditions at the proposed well sites and the likelihood of limited local recharge.

It also appears that the wells will be located within or very near drainage ways. Thus, there is also the possibility of a flooding hazard.

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 for the proposed project requesting USDA-RD funding as identified at the bottom of this form.

_____	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: See the attached letter

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.)

P. Allen Martland
Reviewer's Name

KG
Division/Agency/Commission

8/11/08
Date

Project Title: Expansion Project - Water Supply District Improvement

Applicant: Atchison County CRWD No. 5

Contact Person: Louis P. Funk, P.E. - Please send replies to Susan E. Soelter by September 8, 2008

Address: 1200 SW Executive Drive

City, State: Topeka, KS **Zip:** 66615 **Phone:** (785)- 272 - 2252

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August 7, 2008

Mr. P. Allen Macfarlane
Kansas Geological Survey
University of Kansas
1930 Constant Ave., Campus West
Lawrence, KS 66047-3726

Re: Environmental Review – Expansion Project
Consolidated Rural Water District No. 5, Atchison County, Kansas
PN 12631.400

Consolidated RWD No. 5, Atchison County is applying to Rural Development, USDA, to improve their water supply district. The proposed project consists of three groundwater wells approximately five miles west of Effingham and approximately 14.5 miles of water transmission line between the wells and the District's existing Lancaster water tower as shown on the enclosed project map.

The enclosed materials are provided to you in accordance with Executive Order 12372, which provides for intergovernmental review of federally funded projects. Please provide written comments pertaining to your review, including any concerns you may have with environmental issues, and return them to me within 30 days of the date of this letter. If there are no areas of concern or comments, we would appreciate your response to that effect. A project review form is enclosed for your use.

This project will comply with all state laws concerning this type of project.

Funds will not be obligated for this project until after the 30 days have expired and an environmental assessment has been completed.

Sincerely,

Susan E. Soelter

Susan E. Soelter
Environmental Coordinator



Enclosure

cc: Dan Fischer, USDA-Rural Development, Manhattan, KS

LEGEND

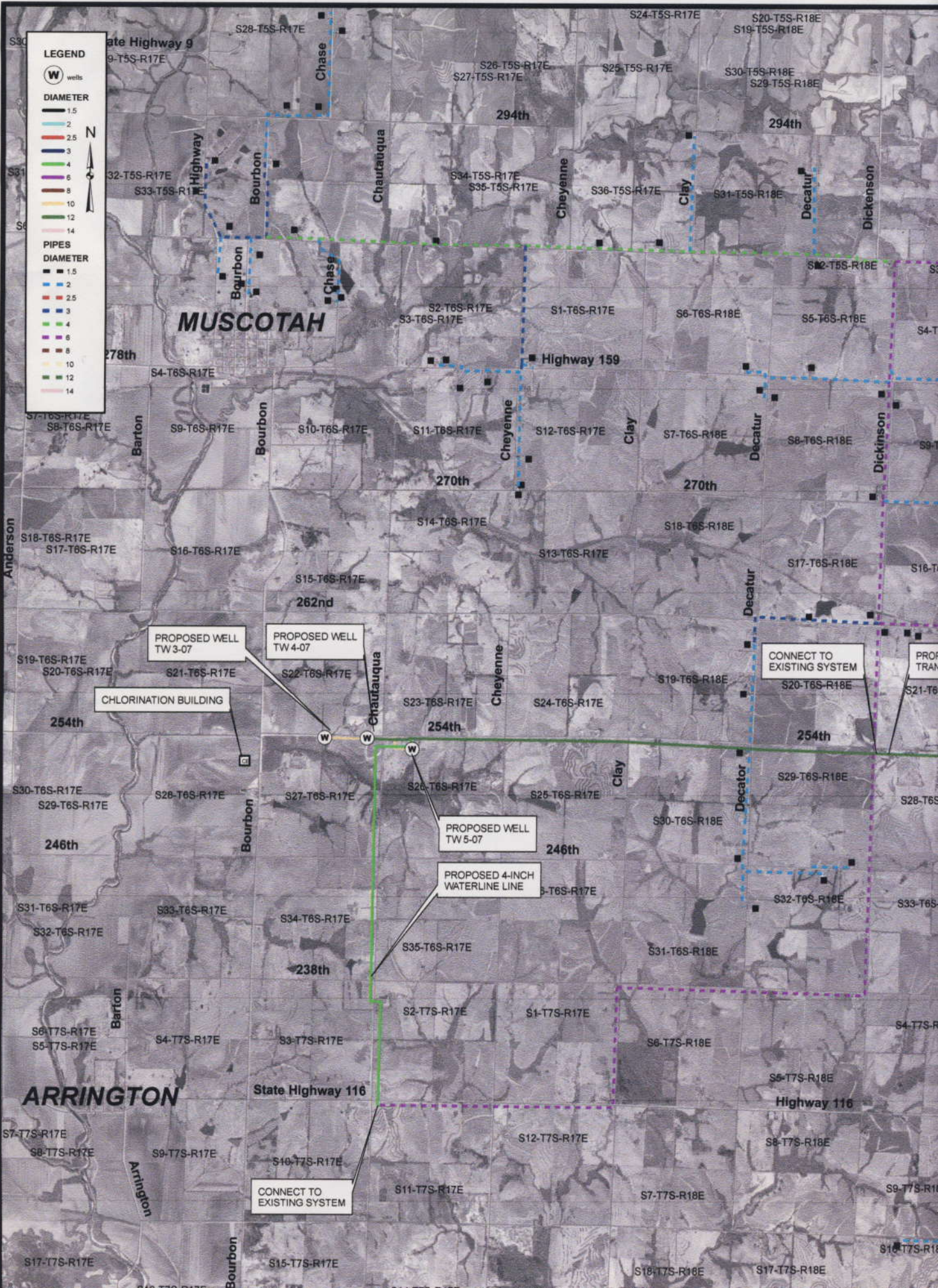
W wells

DIAMETER



PIPES

DIAMETER



MUSCOTAH

ARRINGTON

PROPOSED WELL TW 3-07

PROPOSED WELL TW 4-07

CHLORINATION BUILDING

PROPOSED WELL TW 5-07

PROPOSED 4-INCH WATERLINE LINE

CONNECT TO EXISTING SYSTEM

CONNECT TO EXISTING SYSTEM

