

September 25, 2007

Peter W. Earles, PE
Earles Engineering & Inspection, Inc.
211 N. Kansas Ave.
Loiberal, KS 67901

Dear Mr. Earles,

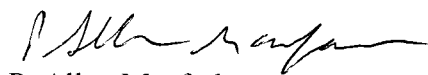
I have reviewed the proposed project to replace collapsed well #5 with a new well for the City of Rolla. Based on the information we have and assuming you wish to have the well drilled through the entire thickness of the High Plains aquifer, the estimated well depth may be too high. Our maps show the depth to bedrock to be on the order of 405-410 feet.

It does not appear that there are any potential geologic hazards worth noting that might impact this project based on the documents attached to your request.

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 and Parks
- ☐ US Dept. of Agriculture - Natural Resources Conservation Service
- ☐ Kansas Department of Health and Environment
- ☐ US Department 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 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 McFarlane KG S 9/25/07
Reviewer's Name Division/Agency/Commission Date

Project Title: Public Water Supply Loan Fund Application

Applicant: _____
Contact Person: _____
Address: _____
City, State: _____ Zip: _____ Phone: _____

Earles Engineering & Inspection, Inc.

Civil & Structural Engineers - Construction Inspectors

115 W. Iron Ave. - Salina, KS 67401

211 N. Kansas Ave. - Liberal, KS 67901

Phone: 785) 309-1060

Phone: 620) 626-8912

Fax: 785) 309-1061

Fax: 620) 626-5408

August 31, 2007

Kansas Dept. of Wildlife & Parks
Environmental Services Section
512 SE 25th Avenue
Pratt, KS 67124-8174

Kansas State Historical Society
State Historic Preservation Office
6425 SW 6th Avenue
Topeka, KS 66615-1099

Kansas Water Office
901 S. Kansas Ave.
Topeka, KS 66612-1249

Kansas Dept. of Health & Environment
Donna Fisher, Division of Environment
1000 SW Jackson St., Suite 400
Topeka, KS 66612-1367

Kansas Dept. of Agriculture
Division of Water Resources
109 SW 9th St., 2nd Floor
Topeka, KS 66612-1283

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

Re: City of Rolla, Kansas
Kansas Public Water Supply Loan Fund
Project No. 07-25

To Whom It May Concern:

The City of Rolla is preparing an application to the Kansas Department of Health & Environment for a loan from the Kansas Public Water Supply Loan Fund for a new well.

The project will consist of drilling a new well to replace collapsed Well #5. The new well will be located in the SE/4 of Section 2, Township 34 South, Range 40 W, Morton County, Kansas. The well is 800 feet north and 350 feet west of the southeast corner of Section 2, as indicated on the enclosed map. The proposed depth is 480 feet.

U.S. Department of Agriculture
Natural Resources Conservation Service
760 South Broadway
Salina, KS 67401-4642

Kansas Corporation Commission
Conservation Division
130 S. Market, Room 2078
Wichita, KS 67202-3802

State Conservation Commission
109 SW 9th St., Suite 500
Topeka, KS 66612-1299

Kansas Biological Survey
University of Kansas
2101 Constant Ave., Higuchi Hall
Lawrence, KS 66047-3759

US Fish & Wildlife Service
Ecological Services/Partners for Fish & Wildlife
2609 Anderson Ave.
Manhattan, KS 66502-2801

US Army Corps of Engineers
Kansas City District
700 Federal Building - 601 E. 12th St.
Kansas City, MO 64106-2896

The estimated costs are as follows:

Drilling & pump	\$98,000
Pump house & chlorine room	\$30,000
Controls	\$10,000
Engineering	\$12,000
400 foot main	\$12,000
Misc.	<u>\$ 3,000</u>
TOTAL	\$165,000

I would appreciate your review of the project description and location, and any comments you may have within 30 days. A project review form is enclosed for your use. Please call myself at 620) 626-8912 if you have any questions

EARLES ENGINEERING & INSPECTION, INC.



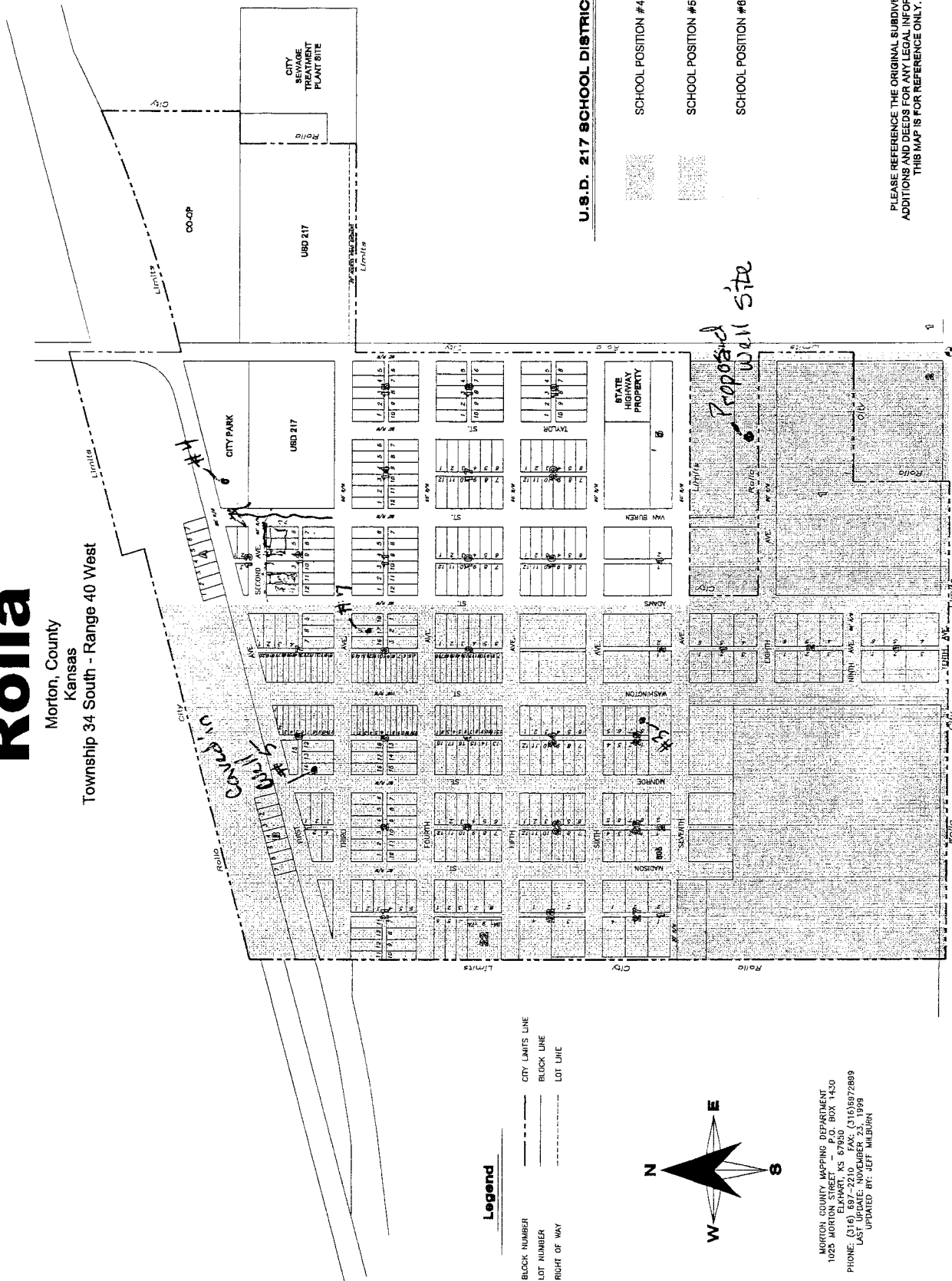
Peter W. Earles, P.E.
CEO

Enclosures

City of Rolla

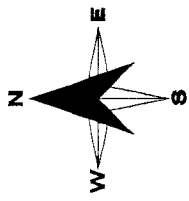
Morton, County
Kansas

Township 34 South - Range 40 West



Legend

- 23 BLOCK NUMBER
- 21 LOT NUMBER
- 22 RIGHT OF WAY
- CITY LIMITS LINE
- BLOCK LINE
- LOT LINE



MORTON COUNTY MAPING DEPARTMENT
1025 MORTON STREET - P.O. BOX 1430
PHONE: (316) 692-0000 FAX: (316) 692-2809
LAST UPDATE: NOVEMBER 23, 1998
UPDATED BY: JEFF MILBURN

U.S.D. 217 SCHOOL DISTRICT

SCHOOL POSITION #4

SCHOOL POSITION #5

SCHOOL POSITION #6

PLEASE REFERENCE THE ORIGINAL SUBDIVISIONS,
ADDITIONS AND DEEDS FOR ANY LEGAL INFORMATION.
THIS MAP IS FOR REFERENCE ONLY.