

April 15, 2008

Lori Thielen
North Central Regional Planning Commission
109 N. Mill St., P.O. Box 565
Beloit, Kansas 67420

Re: Wilson PWS Improvements - City of Wilson, KS

Dear Ms. Thielen:

The Kansas Geological Survey (KGS) has received the North Central Regional Planning Commission's (Commission) March 13, 2008, request for environmental comments. The City of Wilson has received a Community Development Block Grant (CDBG) from the Kansas Department of Commerce to finance improvements to the City's public water supply system (PWS). Project work will include replacement of old iron waterlines with new PCV pipe from the City well to selected distribution lines within the City. The project is within and north of Wilson, Ellsworth County, KS.

A review of regional geologic information along with site maps provided by you indicates that there are no unduly adverse geologic conditions that should affect this project, so clearance of the project should be granted. An environmental review form was not enclosed with the submittal therefore this letter should serve as the completed agency review.

This letter is an assessment based on the regional geologic conditions available at the KGS at the time of writing and cannot be used in substitute of a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the viability or safe operation of this facility or property. It is the responsibility of the applicant to provide any necessary characterization, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

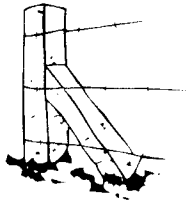
Sincerely,



Shane Lyle, RG
Geology Extension Coordinator

Enclosures

cc: Dan Suchy, KGS Data Resources Library



North Central Regional Planning Commission

109 N. Mill St., P.O. Box 565 • Beloit, Kansas 67420 • (785) 738-2218

March 13, 2008

Kansas Geological Survey
1930 Constant Ave.
Lawrence, KS 66047-3726

Re: Environmental Review for City of Wilson, Kansas, Waterline Replacement Project
CDBG Project No. 08-PF-813

To Whom It May Concern:

The City of Wilson has been awarded a Community Development Block Grant from the Kansas Department of Commerce for a waterline replacement project. The city is using the KDHE Public Water Supply Loan fund to complete the project as well. New waterlines will replace existing failing lines — including both transmission lines from the well to the city and identified sections of distribution lines within city limits.

Enclosed is a project summary and location maps. Your agency comment on this subject is important. Please respond with comments on or before April 4, 2008.

If you have any questions, please feel free to contact me at 785-738-2218 or by email at lthielen@nckcn.com. Thank you for your attention to this matter.

Sincerely,

Lori M. Thielen
Project Administrator

Enc

Copy to: City of Wilson

City of Wilson Waterline Replacement Project

CDBG Grantee: City of Wilson, Ellsworth County, Kansas

Project Number: 08-PF-813

Comment Period: March 14 through April 4, 2008

Project Type: Waterline Replacement Project

Project Location: The well site is in the NE 1/4 of the NE 1/4 of Section 17, Township 14 South, Range 10 West. Transmission lines are as marked on the enclosed maps. Distribution line replacement will take place, in general, on 23rd Street and on 27th to 31st

Estimated Total Project Cost:	\$400,000	CDBG Grant
	<u>\$406,935</u>	KDHE Public Water Supply Loan Fund
	\$806,935	Total Project Cost

Lead Agency: Wilson City Council
2407 Avenue E, PO Box J
Wilson, KS 67490

Official Project Representative: Eleanor Hunter, Mayor
2407 Avenue E, PO Box J
Wilson, KS 67490

Project Information: North Central Regional Planning Commission
Lori Thielen, Grant Administrator
785.738.2218
lthielen@nckcn.com

Scope of Work Details: The waterline modifications will include replacement of the 6-inch water transmission line from the wells to the connection with the distribution system with new 6-inch C900 PVC pipe. Pipe bedding material will also be installed to create a buffer where the line lies and help guard against abrasion. In addition, the scope of work includes replacing identified cast iron water distribution system lines within the city that are particularly problematic. This includes, in general, a section of line on 23rd Street and a section of line on 27th to 31st Street. See engineer's opinion of probable project costs on opposite side for details.

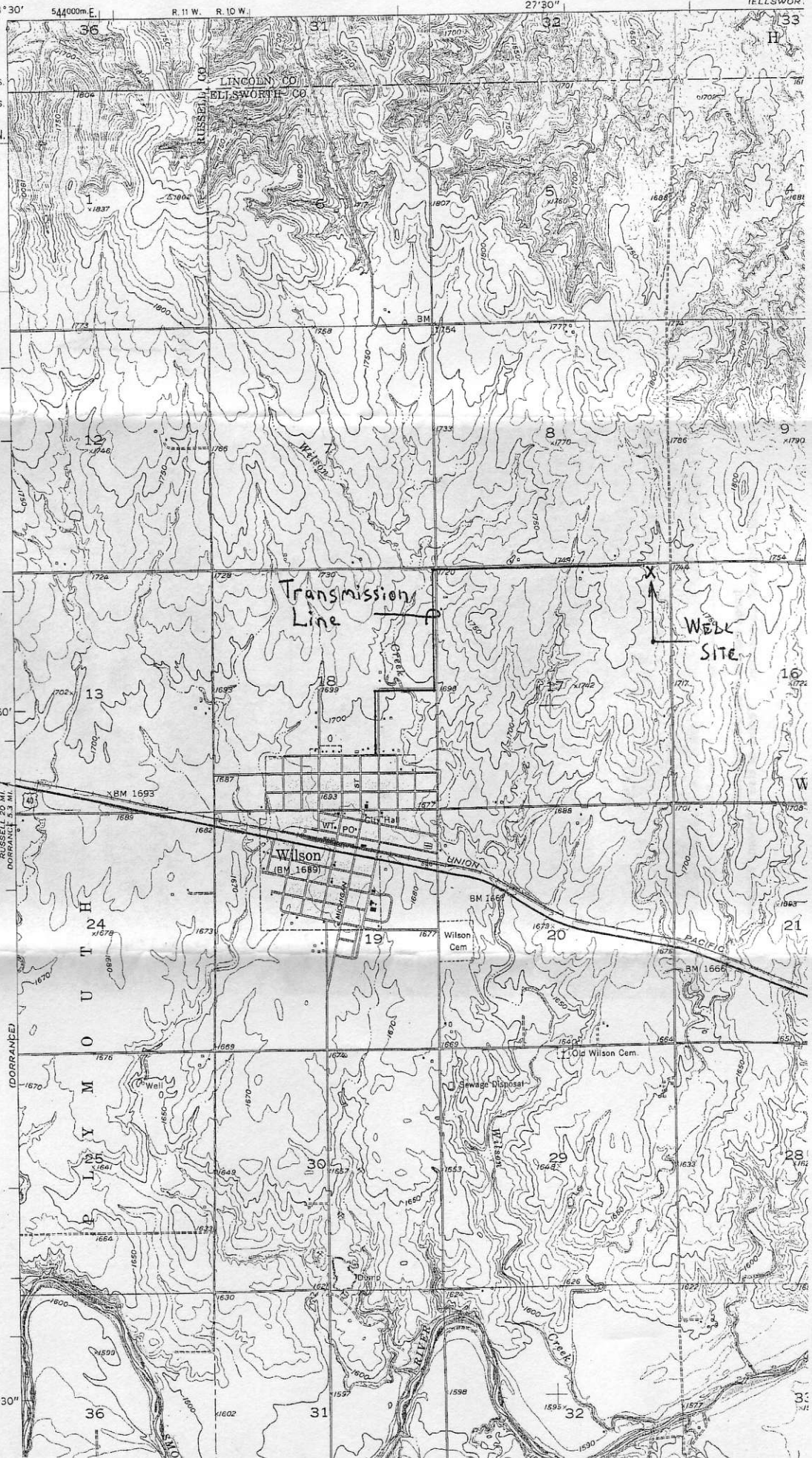
This project is to replace waterlines that already exist; therefore nothing new will be disturbed. Because of this, the environmental impact is expected to be very little. Any environmental impacts will only be temporary and will happen as a result of normal construction methods used to replace waterlines.

The project timeline is anticipated to be the following:
Spring 2008 - Final engineering designs completed and approved
Early Summer 2008 – Bid solicitation and opening
Late Summer/Early Fall 2008 – Construction begins with completion anticipated by year end 2008

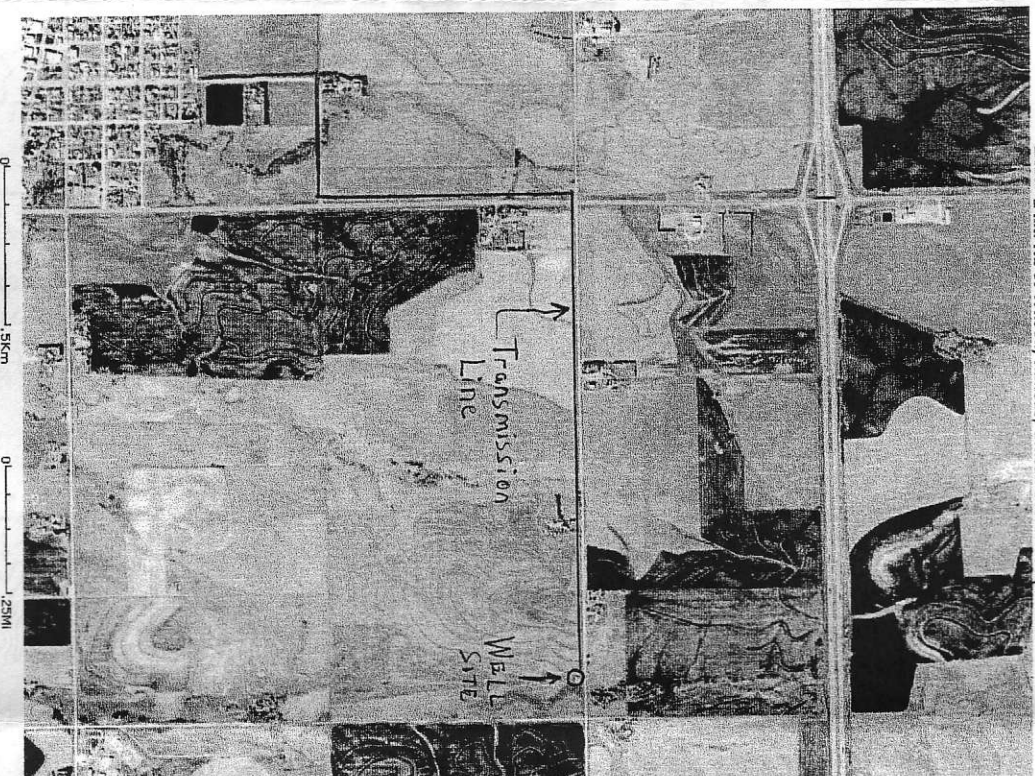
Completion of this project will result in a much more reliable water source for the City of Wilson and will reduce the annual water loss the city currently realizes. System maintenance costs will also be reduced significantly.

Scope of Work and Engineer's Opinion of Probable Project Costs

Item	Description	Quantity	Unit	Unit Cost	Amount
1	Transmission Line				
	Mobilization	1	LS	15000.00	\$ 15,000.00
	6" PVC Pipe	20,909	L.F.	15.00	\$313,635.00
	New 6" Valve	5	EA	600.00	\$ 3,000.00
	Remove & Replace Aggregates	10	L.F.	20.00	\$ 200.00
	Bore Under Highway	100	L.F.	120.00	\$ 12,000.00
	Connect to Existing	2	LS	500.00	\$ 1,000.00
	Seeding	1	LS	4000.00	\$ 4,000.00
	Bore Under Limstone Drive	200	L.F.	90.00	\$ 18,000.00
2	Line on 23rd				
	4" PVC Pipe	1,200	L.F.	14.00	\$ 16,800.00
	Bore Under Roadway	110	L.F.	90.00	\$ 9,900.00
	Install New FH	2	EA	2500.00	\$ 5,000.00
	Remove Existing FH	2	EA	400.00	\$ 800.00
	Install New 4" Valve	2	EA	500.00	\$ 1,000.00
	Bore Service Lines	400	L.F.	90.00	\$ 36,000.00
	Service Lines	70	L.F.	12.00	\$ 840.00
	Connect to Existing	2	EA	500.00	\$ 1,000.00
	Remove & Replace Aggregates	26	L.F.	20.00	\$ 520.00
	Remove & Replace Gravel	28	L.F.	20.00	\$ 560.00
	Remove & Replace Concrete	3	SY	60.00	\$ 180.00
	Seeding	1	LS	2000.00	\$ 2,000.00
	Curb & Gutter	15	L.F.	25.00	\$ 375.00
3	Line on 27th to 31st				
	6" PVC Pipe	3,950	L.F.	16.00	\$ 63,200.00
	Bore Under Roadway	300	L.F.	90.00	\$ 27,000.00
	Install New FH	4	EA	2500.00	\$ 10,000.00
	Remove Existing FH	4	EA	400.00	\$ 1,600.00
	Install New 6" Valve	5	EA	600.00	\$ 3,000.00
	Bore Service Lines	300	L.F.	90.00	\$ 27,000.00
	Service Lines	200	L.F.	12.00	\$ 2,400.00
	Bore 2" Service Lines	200	L.F.	90.00	\$ 18,000.00
	Connect to Existing	7	EA	500.00	\$ 3,500.00
	Remove & Replace Aggregates	90	L.F.	20.00	\$ 1,800.00
	Remove & Replace Gravel	170	L.F.	20.00	\$ 3,400.00
	Remove & Replace Chip Seal	150	L.F.	30.00	\$ 4,500.00
	Remove & Replace Sidewalk	15	L.F.	25.00	\$ 375.00
	Remove & Replace Concrete	30	SY	60.00	\$ 1,800.00
	Seeding (Grass)	1	LS	3000.00	\$ 3,000.00
	Curb & Gutter	20	L.F.	25.00	\$ 500.00
		Subtotal Probable Construction Costs			\$612,885.00
		Construction Contingencies (10%)			\$ 61,288.50
		Total Probable Construction Costs			\$674,173.50



Send To Printer Back To TerraServer Change to 11x17 Print Size Show Grid Lines Change to Landscape
ZUSSS 1 km NE of Wilson, Kansas, United States 15 Apr 2002



North
↑

0 1.5km 0 1.25mi

Image courtesy of the U.S. Geological Survey
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