

AGENCY REVIEW TRANSMITTAL FORM

Comments by: Kansas Geological Survey 10 May 2005

Project Title: City of Smith Center, Kansas
Wastewater Treatment Lagoon Facility Improvements

Contact Person: Jason Schlickbernd, P.E.
Project Manager

Return to: Jason Schlickbernd, P.E.
Wilson & Company, Inc.
1700 East Iron Avenue
P.O. Box 1640
Salina, KS 67401

This form provides notification and the opportunity for your agency to review and comment on the proposed project. Please complete Parts I and II as appropriate. Your response by **9 June 2005** will be appreciated.

PART I – AGENCY REVIEW COMMENTS:

Any short-term adverse environmental impacts should be offset by the long-term benefits of the improved treatment of wastewater.

PART II – RECOMMENDED ACTION COMMENTS:

- ☒ Clearance of the project should be granted.
- ☐ Clearance of the project should not be granted.
- ☐ Clearance of the project should be delayed until the issues or questions have been clarified.
- ☐ Clearance of the project should not be delayed, but the applicant should (in final design and/or permit application) address and clarify the questions or concerns indicated above.
- ☐ Request the opportunity to review final design and plans.

Reviewer's Name:

Donald L. Wetmore

Date:

6/8/05

WILSON & COMPANY

1700 East Iron Avenue
Salina, Kansas 67401
P.O. Box 1640 67402-1640
785-827-0433
785-827-5949 Fax

Albuquerque
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Phoenix
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Salina
San Bernardino
San Diego

Wilson & Company
Latin America, LLC

10 May 2005

Dr. Lee Allison
University of Kansas
Kansas Geological Survey
1930 Constant Avenue - Campus West
Lawrence KS 66047

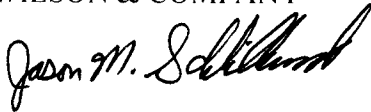
Re: Environmental Clearance
Wastewater Treatment Lagoon Facility
Smith Center, Kansas
KDHE Project No. C20 1356-01
WCI File: X3 410 032; Phase 02; T.C. 71

Dr. Lee:

The City of Smith Center is seeking funding through the Kansas Water Pollution Control Revolving Loan Fund as administered by the Kansas Department of Health and Environment's (KDHE) for the replacement the City's wastewater treatment facility. The City's original intent was to make improvements to the mechanical treatment facility and an environmental clearance was completed in June 2004. Now the proposed improvements are to replace the City's existing mechanical wastewater treatment facility with a 3-cell discharging lagoon facility. This lagoon facility would be located in Section 32, Township 3S, Range 13W; Smith County, Kansas. Replacement of approximately 630 linear feet of 4-inch PVC force main, located in the City Limits, is also included in this project. Additional description of the proposed improvements is attached. A copy of the cover sheet to the City's proposed loan application is also attached for reference.

As part of the Intergovernmental Review process, we are asking for your agency to review and comment on the proposed project. An Agency Review Transmittal Form is included for your convenience. Please complete Parts I and II, as appropriate, and return the form to my attention. Your response is requested by 9 June 2005.

WILSON & COMPANY



Jason M. Schlickbernd, P.E.
Project Manager

Enclosure

cc: Randy Archer, Mayor, City of Smith Center

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Kansas Department of Health and Environment

APPLICATION FOR SRF LOAN ASSISTANCE

Project Number

C 20-1356-01

Application Type

New

Amendment

X

1. Legal Applicant / Recipient

Applicant Name

City Of Smith Center

Organization Unit

City

Street / PO Box

119 W Court

City

Smith Center

County

Smith

State / Zip code

66967

Contact Person Name

Randy Archer, Mayor

Telephone Number

(785) 282-3812

2. Type of Applicant / Recipient

A. City

B. County

C. Other (Specify)

Enter Appropriate Letter

A

3. Title of applicants project

City of Smith Center Wastewater Treatment Improvements

4. Type of Project

Wastewater treatment facility improvements - New discharging lagoon facility

5. Employer Identification Number

48-6022532

6. Area of project impact (Names of cities, counties, etc)

City of Smith Center-Smith

7a. Congressional District / Applicant

First

7b. Congressional District / Project

First

8. Type of change

Increase dollars

\$

379,267

Decrease dollars

\$

-

9. Proposed Funding

SRF Loan 9a.	\$	3,304,247
Applicant 9b.	\$	-
CDBG 9c.	\$	400,000
EPA 9d.	\$	-
EDA 9e.	\$	-
Other 9f.	\$	-
Total	\$	3,704,247

10. Project Start Date

01/01/06

(Estimated)

11. Project Duration

12

(Months)

12. Date Submitted

(To KDHE)

13. Requested Loan Repayment Period (Must not be over 20 years)

20 yrs

14. The applicant certifies that: To the best of my knowledge and belief, data in this pre-application / application is true and correct, the document has been duly authorized by the governing body of the applicant and the applicant will comply with the attached assurances if the assistance is approved

This notice of intent / preapplication / application was made available to the state executive order 12372 process for review on: Date

15. Certifying Representative

Name Randy Archer

Title Mayor

Signature

Mail completed application to:

Kansas Department of Health and Environment
Bureau of Water / Attn: Rod Geisler
Municipal Programs Section, Suite 420
1000 SW Jackson Street
Topeka, KS 66612-1367

If you need assistance please contact:

Bill Mond
Administrative / Finance Section, Suite 420
1000 SW Jackson Street
Topeka, KS 66612-1367
785-296-4049

PROJECT DESCRIPTION

City of Smith Center, Kansas Wastewater Treatment Lagoon Facility

Background

The City of Smith Center, under the authority of National Discharge Elimination System (NPDES) Permit No. M-S038-I001, discharges treated wastewater effluent to Beaver Creek via an unnamed tributary. The NPDES permit is administered by the Kansas Department of Health and Environment (KDHE). A map showing the general location of the existing treatment facility is attached as Figure 1.

The City of Smith Center was issued a new NPDES permit in October 2003. The new discharge requirements will include nitrogen, phosphorous, selenium, and sulfate monitoring along with effluent disinfection. KDHE predicts required effluent limitations for total nitrogen and phosphorus when the City's NPDES permit is reissued in 2008. Due to the current and potential future discharge limits and the age of the existing wastewater treatment facility, a new 3-cell 120 day detention lagoon facility is needed.

Project Description

The project includes the following components as described below:

1. Replacement of the existing mechanical wastewater treatment facility with a new 3-cell discharging lagoon facility at the location indicated in Figure 1. A wastewater pumping station will be constructed at the existing wastewater treatment plant and a force main will transport the wastewater to the lagoons along the proposed route indicated.
2. Replacement of approximately 630 linear feet of an existing 4-inch PVC sewer force main.

Project Costs

The current opinion of probable costs for the proposed improvements is:

3-Cell Discharging Lagoon Facility	
Subtotal Probable Construction Costs	\$2,890,560
Construction Contingencies (10%)	<u>\$289,056</u>
Total Probable Construction Costs	\$3,179,616
Land Acquisition	\$100,000
Soil Investigations	\$13,000
Engineering Legal, Administrative, Fiscal costs	<u>\$411,631</u>
 Total Probable Project Cost	 \$3,704,247

Project Financing

As partial financing for the proposed improvements, the City intends to apply for low interest loan funding through the Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF) as administered by KDHE. The loan fund money can be obtained for terms up to twenty years at lower interest rates than commercially available. Loan repayments begin one year after construction completion and can be generated through sewer user charges, sales tax, or general obligation bonds.

In an effort to minimize the amount of loan funding necessary, the City also intends to apply for grant funding through the Community Development Block Grant (CDBG) program as administered by the Kansas Department of Commerce and Housing.

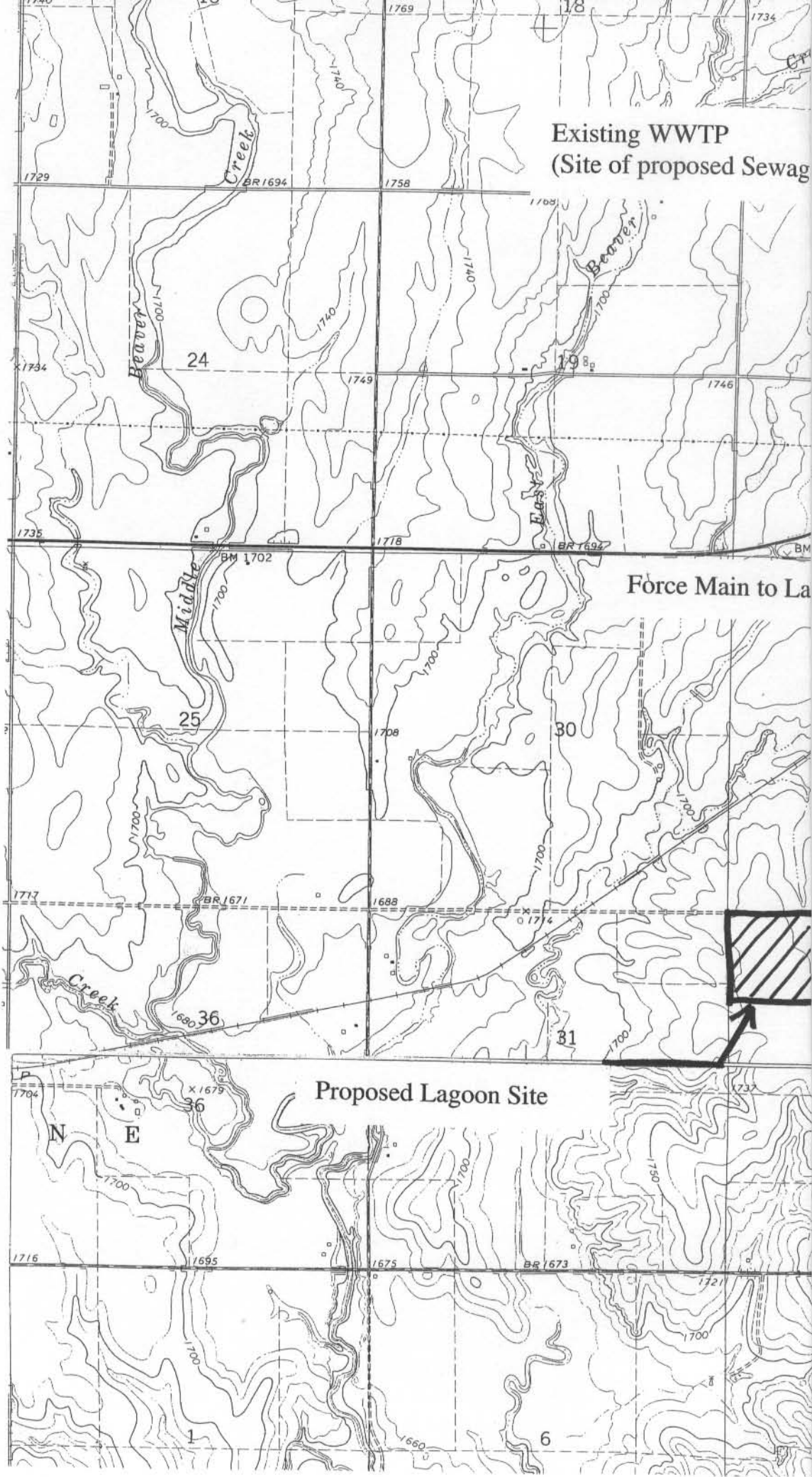
Proposed Project Schedule

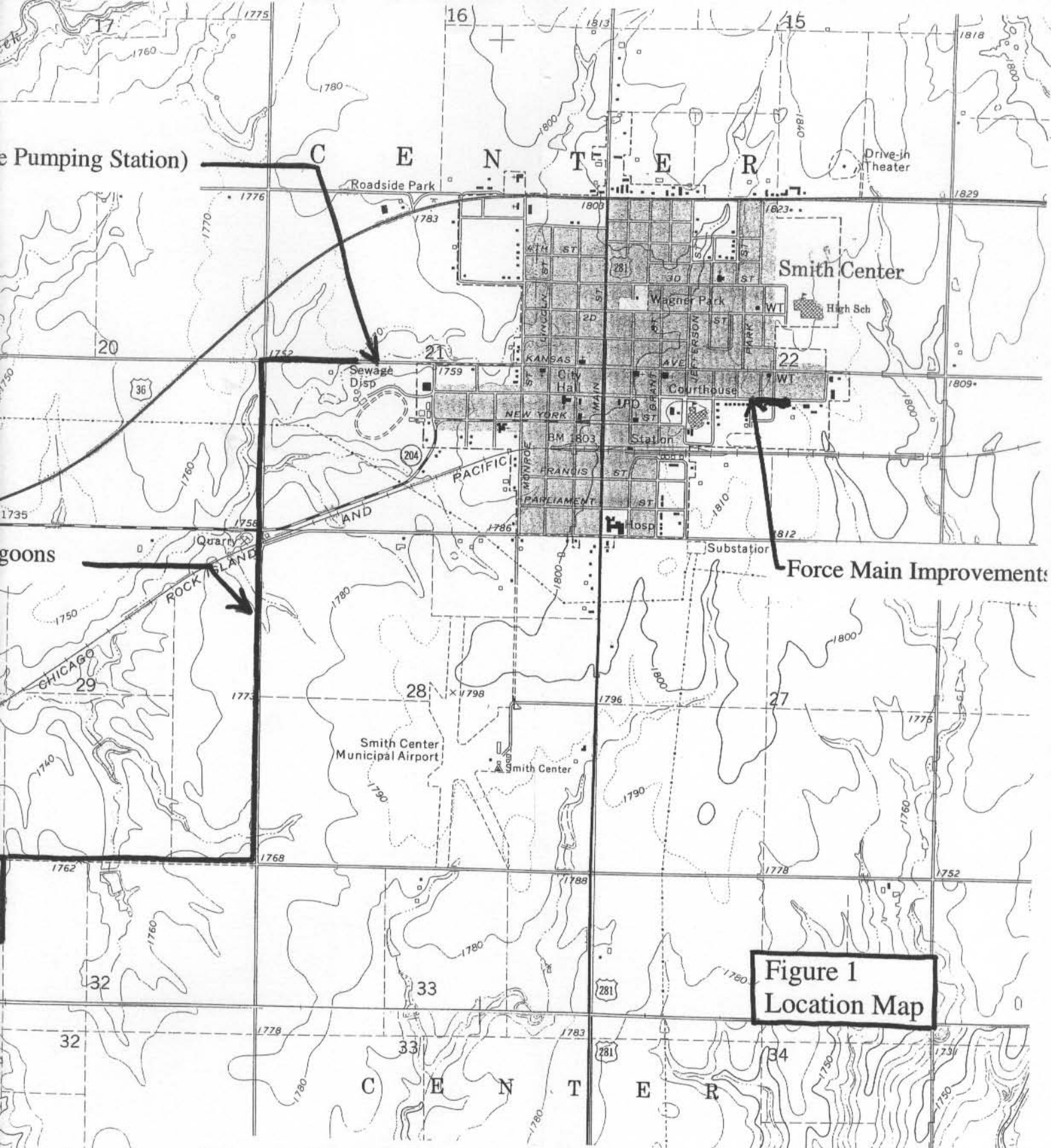
Engineering Design Contract:	February 2005
Construction Drawings/Specifications Complete:	October 2005
CDBG Application Deadline:	October 15, 2005
Anticipated CDBG Award:	January 15, 2006
Construction Bid Letting:	February 2006
Construction Start:	March 2006
Construction Complete:	March 2007

Existing WWTP
(Site of proposed Sewag

Force Main to La

Proposed Lagoon Site





The proposed improvements are in the following sections of Township 3-S, Range-13 W; Smith County, Kansas.

Existing WWTP:
 Force Main Improvements:
 Proposed Lagoon Site:
 Force Main to Lagoons:

Section 21
 Section 22
 Section 32
 Sections 20, 21, 28, 29, 32