

July 6, 2009

Doug Goetz
Wilson & Company
1700 East Iron Avenue
P. O. Box 1640
Salina, KS 67401

RE: City of Park, Wastewater System Improvements

Dear Mr. Goetz,

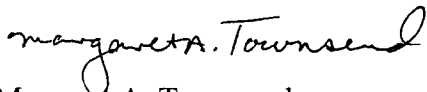
The Kansas Geological Survey (KGS) has received your letter dated June 15, 2009, requesting environmental review comments for the above referenced project.

A review of regional geologic information and project information provided with the request indicates that there are no unduly adverse geologic conditions that should affect this project. Site-specific conditions may need to be considered prior to commencement of the project. A completed request-for-comments form is enclosed.

This assessment was based on regional geologic and project information available to the KGS at the time of the review and should not be used for a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the feasibility of this project. It is the responsibility of the applicant to provide any necessary site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

If you have questions please do not hesitate to contact me at my office (785-864-2111).

Sincerely yours,



Margaret A. Townsend
Hydrogeologist

AGENCY REVIEW TRANSMITTAL FORM

Comments by: Margaret Townsend

July 6, 2009

Project Title: City of Park, Kansas
Wastewater System Improvements

Contact Person: Doug Goetz
Project Manager

Return To: Doug Goetz.
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 **15 July 2009** will be appreciated.

PART I - AGENCY REVIEW COMMENTS:

Project should proceed.

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: Margaret A. Townsend

Date: 7-6-09



WILSON & COMPANY

1700 East Iron Ave.
Salina, KS 67401
785-827-0433 phone
785-827-5949 fax

Albuquerque
Colorado Springs
Denver
Fort Worth
Houston
Kansas City
Monterey Park
Omaha
Phoenix
Rio Rancho
Salina
Salt Lake City
San Bernardino
San Diego

15 June 2009

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

Re: Environmental Clearance
Wastewater System Improvements
City of Park, Kansas
WCI File: 09-200-514-00/02/8220/8200

Dear Sir or Madam:

The City of Park is seeking funding through the Kansas Water Pollution Control Revolving Loan Fund as administered by the Kansas Department of Health and Environment (KDHE) for the rehabilitation of their existing wastewater treatment lagoon facility, and replacement of the main lift station. The proposed improvements to the wastewater treatment lagoon facility includes: repair entire lagoon system including but not limited to repairing lagoon erosion, repairing / replacing lagoon liner and installation of erosion control. The existing lift station would be completely replaced. An additional description of the proposed improvements is attached.

The City of Park is preparing to submit an application to the Kansas Department of Health and Environment for a loan from the Kansas Water Pollution Control Loan Fund for the project which requires your agency's review.

On behalf of the City of Park, I am forwarding the information below for your review and approval of the project. Enclosed with this letter, please find the following documents:

- Project Location Map
- Project Description, Project Costs, and Preliminary Project Schedule
- Agency Review Transmittal Form

The Agency Review Transmittal Form provides notification and the opportunity for your agency to review and comment on the proposed project. Your response by July 15, 2009 would be appreciated. Please complete Parts I and II, as appropriate, and return the form to my attention.



Please also provide me with notification ahead of time if for some reason your review cannot be completed by that date. Please don't hesitate to contact me at 785-827-0433 or at Doug.Goetz@wilsonco.com if you have any questions or need additional information.

Thanks!

WILSON & COMPANY

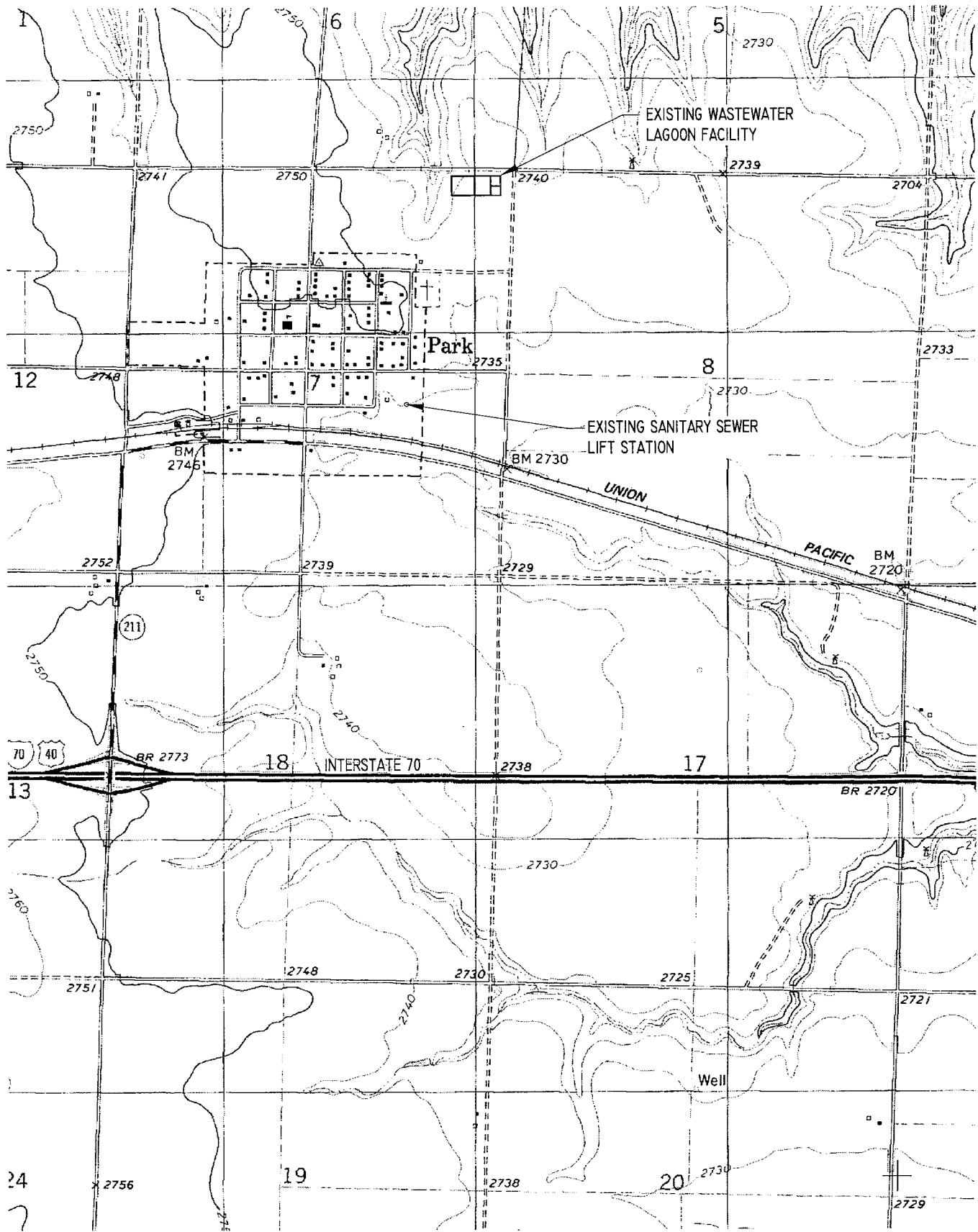
A handwritten signature in black ink, appearing to read "Doug Goetz", is written over a thin, curved line that extends to the right.

Doug Goetz
Project Manager

Cc: Delbert Garrett, City of Park (w/ enclosure)
Corina Cox, NMKPDC (w/ enclosure)
Rod Geisler, KDHE (w/o enclosure)

Enclosure

-DAG:tmh



LOCATION MAP

NOT TO SCALE

PROJECT LOCATION DESCRIPTION

TOWNSHIP 11S, RANGE 27W - SECTION 7



WILSON
& COMPANY

CITY OF PARK, KANSAS WASTEWATER SYSTEM IMPROVEMENTS

PROJECT DESCRIPTION, COSTS, & SCHEDULE

INTRODUCTION

The City of Park has a wastewater collection system consisting of manholes, cleanouts, and gravity piping which brings all wastewater flows to one lift station which is generally located in the southeast corner of town. The lift station carries the wastewater flows via a force main to the waste treatment facility (wastewater treatment lagoons) which is located northeast of town.

BACKGROUND

The City of Park's wastewater system is in need of improvements to operate the system in a manageable and safe manner. The plant has seen little change since it was constructed in the mid 1900's and is highly physically deteriorated. The existing sanitary sewer lift station is thirty years old. At the time of its design, a wet well / dry well lift station was common, and thus, this type of lift station was constructed for the City of Park. However, during routine maintenance and inspection of the pumps and appurtenances of this lift station, the operator is required to enter the dry well, which is classified as a confined space entry area. OSHA requires any entry into this structure to include a three person crew and specialized equipment (i.e. tripod, ventilator, air quality monitor, etc.) At this point in time, the City is not equipped with, nor can they afford the necessary manpower or equipment to meet these OSHA requirements for entry into the drywell. The 4 cell non-discharging wastewater lagoon treatment facility has experienced eroding on the dikes and interior slopes which has made the plant inoperable for maintenance and inspection. Several other immediate concerns/issues include oversized lagoons, seepage issues, and sludge accumulation.

There is a significant need to repair the "old age" of this system to allow the City to manage the facilities and to keep the operators safe from harm.

PROPOSED PROJECT

The proposed project would include the following improvements:

- Replacement of the existing sanitary sewer lift station
The replacement of the existing sanitary sewer lift station and electric service will address all of the immediate problems (confined space entry, leaking drywell, equipment issues, slab deterioration, and out dated controls) associated with the lift station. This would allow the City to operate and maintain the lift station under manageable and safe conditions.

SHARED OWNERSHIP. COLLABORATION.
INTENSITY. DISCIPLINE. SOLUTION.

- **Repair the Wastewater Lagoon Treatment Facility**
The lagoons should be rehabilitated and re-sized to treat the existing and expected future populations for the City. The rehabilitated lagoons will have the vegetation removed (where applicable), scarified, and compacted in order to maintain a functional soil liner. If required, additional bentonite amendment must be incorporated into the soil liner in order to meet the required seepage rates. These improvements will also include the installation of slope erosion protection and sludge removal (if necessary).

The replacement of the existing sanitary sewer lift station and repair of the wastewater treatment lagoon facility is the best long-term wastewater treatment process and the most cost effective for the City. The proposed project includes the following components as described above and the location is indicated on the attached map:

PROJECT COSTS

Estimated project costs are as follows:

Replacement of the Existing Sanitary Sewer Lift Station	\$140,500.00
Repairing the Wastewater Lagoon Treatment Facility	\$410,898.50
<i>Subtotal Estimated Construction Cost:</i>	<i>\$551,398.50</i>
Easements / Contingency (15%)	\$82,710.00
<i>Total Estimated Construction Cost:</i>	<i>\$634,109.00</i>
Engineering, Legal, Admin., etc. (Apprx. 20%)	\$126,791.00
<i>Total Estimated Project Cost:</i>	<i>\$760,900.00</i>

PROJECT SCHEDULE

KDHE Application	July 2009
Begin Design	September 2009
Plans Submitted to KDHE	January 2010
Advertise for Bids	February 2010
Bid Opening	March 2010
Begin Construction	April 2010
Substantial Completion of Construction	September 2010
Final Completion of Construction	October 2010