

1930 Constant Avenue  
Lawrence, KS 66047-3724  
August 7, 2007

Harlan D. Foraker, P. E.  
810 West Douglas, Suite C  
Wichita, KS 67203-6105

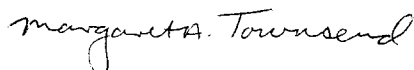
Dear Mr. Foraker,

I was asked to comment on the wastewater treatment expansion plans for the City of Burrton. I noticed that the area of the proposed lagoon expansion is situated on the Farnum soil which is predominantly a sandy silt loam soil. This soil is reasonably permeable and may be a cause for leakage from the proposed lagoon unless the new lagoon is lined in some fashion. Due to the presence of the lagoon in the Equus Beds groundwater management district I would presume that all methods to prevent potential leakage from the lagoon will be undertaken. The water table in the area is shallow (10-20 ft) and there are areas in Harvey county that already have some contamination issues with nitrate.

Based on the limited information provided to me and my knowledge of the area, I have no problem with the project proceeding as long as the engineering firm involved addresses the prevention of leakage from the lagoon by some form of liner according to the KDHE specifications.

The above comments are based on regional geologic conditions and limited information available to the KGS at the time of writing and cannot be used in substitute for a detailed site characterization. Other geologic conditions, not discussed here, or for which the KGS has no knowledge, may affect the viability or safe operation of this facility or property. Geotechnical engineering and design are outside the purview of the KGS. It is the responsibility of the applicant to produce any detailed site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

Sincerely,



Margaret A. Townsend  
Hydrogeologist  
Geohydrology Section

**CERTIFIED ENGINEERING DESIGN, P.A.**

810 West Douglas, Suite C  
Wichita, KS 67203-6105  
(316)262-8808 Office  
(316)262-1669 Fax

July 10, 2007

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

Re: Proposed Wastewater Lagoon Expansion  
Burrton, KS

Dear Mr. Gerhard:

This letter is to notify your agency of a proposed expansion of the wastewater treatment lagoon facility for the City of Burrton, Kansas. An expansion is being proposed to add a primary cell approximately 10 acres in size which will connect to the existing west berm and expand the existing lagoon system to the west of the existing lagoons. The proposed expansion is shown as the Proposed Primary Cell #4 on the attached lagoon site plan drawing. The existing wastewater lagoons are permitted under NPDES permit #M-LA02-0001 and are located in Harvey County, Kansas in the N.W. ¼ of Section 28, Township 23 South, Range 3 West, Harvey County, Kansas. The receiving stream for the lagoon discharge is the Kisiwa Creek.

The site of the proposed lagoon expansion is in process of being purchased by the City of Burrton and was utilized for wheat production. An aerial photograph of the site and a site plan for the proposed lagoon expansion are attached for your review. The proposed lagoon expansion is proposed to begin in the Fall 2007 or early 2008 and your comments would be appreciated not later than August 1, 2007. If you have any questions or desire additional information please call me at (316)262-8808.

Sincerely,

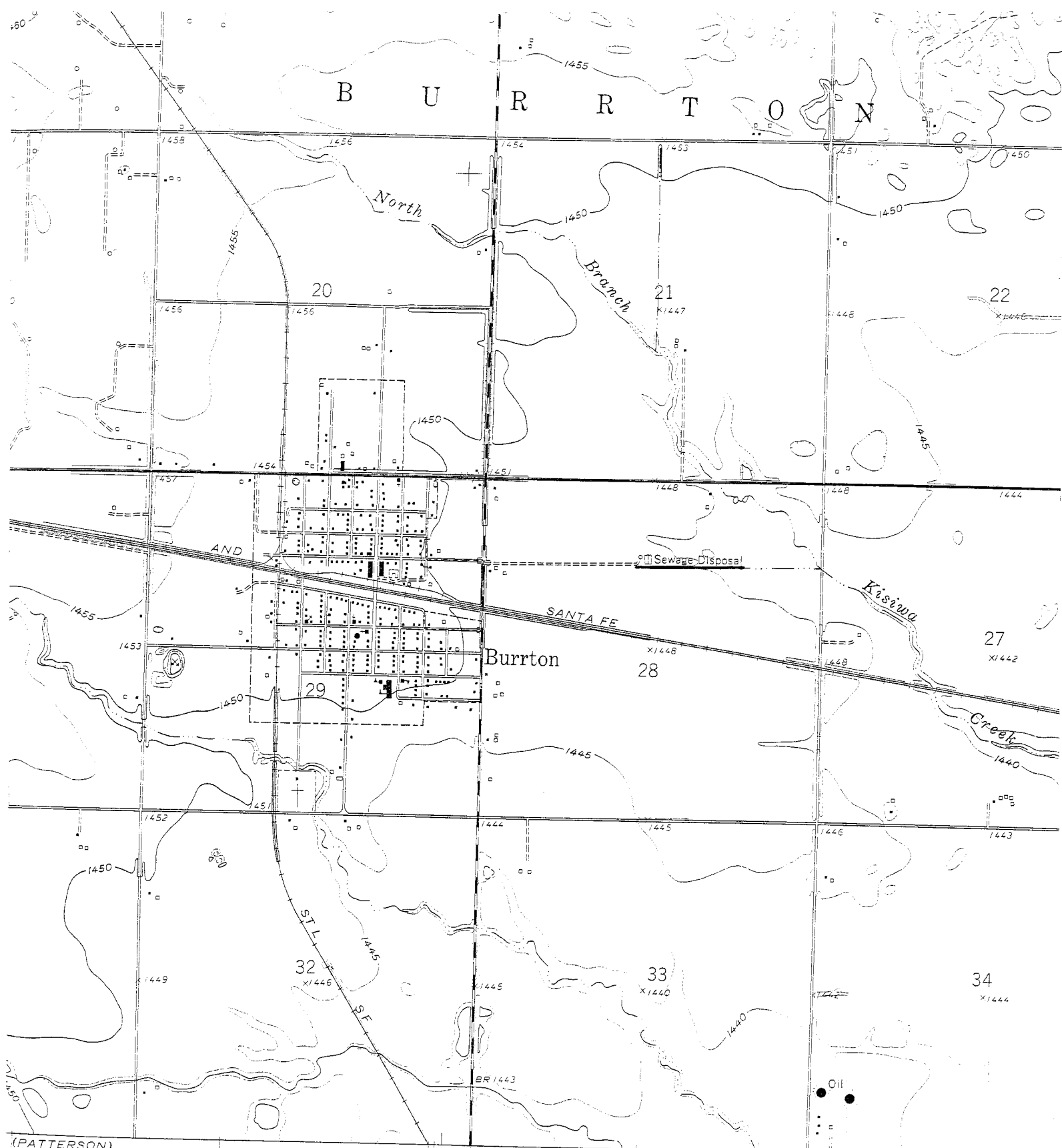


Harlan D. Foraker, P.E.  
Kansas P.E. No. 10891

**CERTIFIED ENGINEERING DESIGN, P.A.**

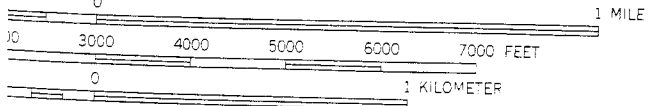
attachments

cc: Mr. Jon Roberts, City Supt., City of Burrton, 203 N. Burrton Ave., P.O. Box 100, Burrton, KS, 67020  
Mr. Ted Johnson, P.E., KDHE Municipal Programs, 1000 S.W. Jackson St., Suite 402, Topeka, KS 66612



(PATTERSON)

SCALE 1:24 000



UR INTERVAL 5 FEET  
M IS MEAN SEA LEVEL

MOUNT HOPE 9 MI.  
WICHITA 39 MI.

INTERIOR GEOLOGICAL SURVEY, WASHINGTON  
MR 1740

ROAD CLASSIFICATION

Heavy-duty ..... Light-  
Medium-duty ..... Unim

U. S. Route

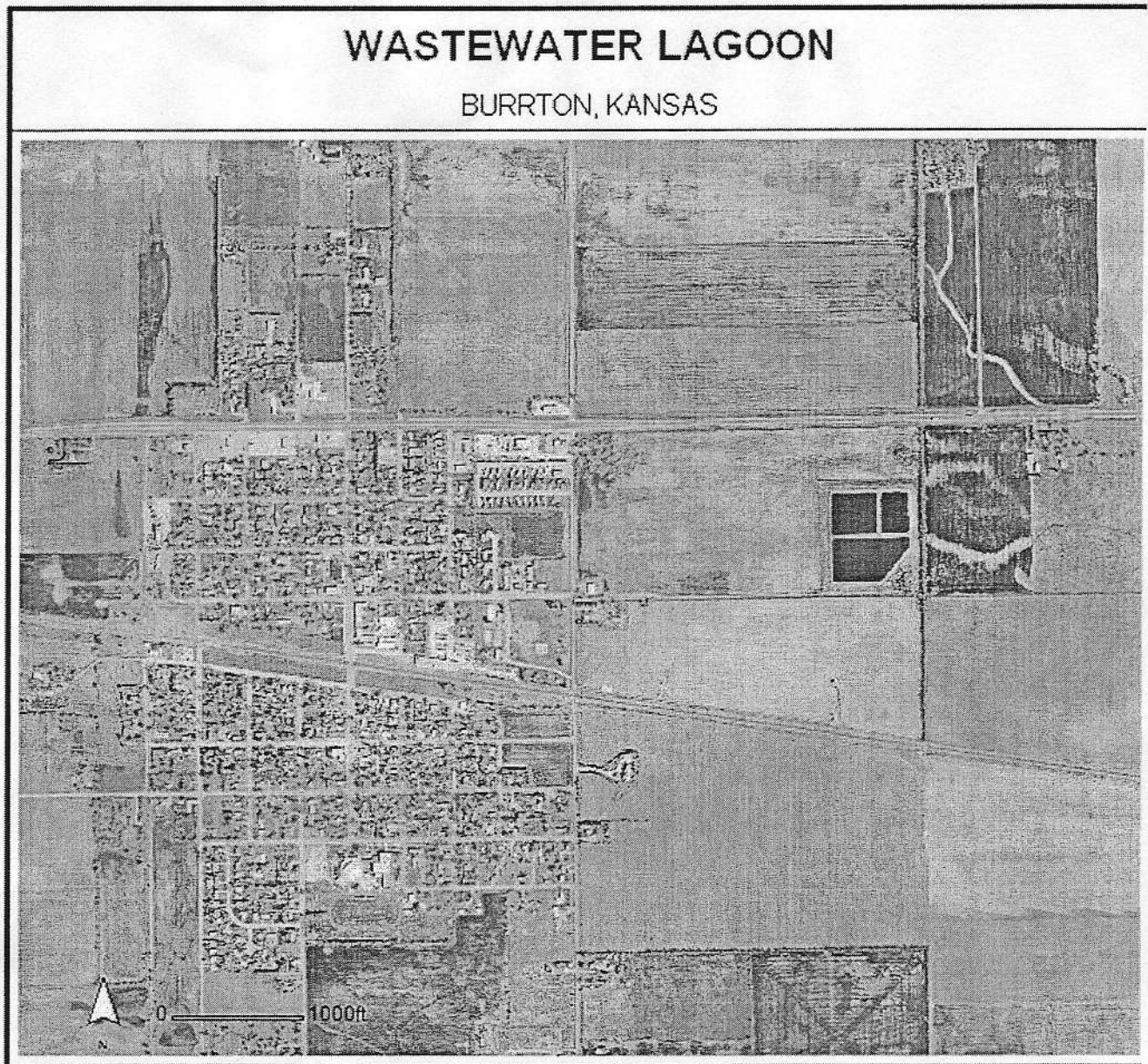


QUADRANGLE LOCATION

NATIONAL MAP ACCURACY STANDARDS  
Y, DENVER 25, COLORADO OR WASHINGTON 25, D. C.

BUR

To Download: Right click on map and select "Save Picture As"



NOTE! Property Area  
R/W= a

General Notes

1. Rip Rap Cells #1 & #2, all sides from Elev. 1446.50 to 1450.00 (2' above bottom elevation to 25' above maximum water elevation.)
2. Flow Division Box & Flow Control Boxes Coordinates are shown at center of dike.

Property Area  
for Lagoon  
Expansion= 10  
acres

840'

840'

6" Force Main

520'

400' North Lagoon  
Fence to South US-50  
highway fence

Depress 25' R.  
Area 6' @ Center

CEL

Cell #2

Construct Flow  
Division Box.  
See Sht. 4

Depress 25' R.  
Area 6' @ Center

Max. w

Install Warning Sign  
on Fence Gate  
See Sht. 8

Fence Gate, 12'

1/4 Section Line 7

Station Line

| NOTE<br>BOOK<br>NO. | WORK               | BY | DATE |
|---------------------|--------------------|----|------|
|                     | PRELIMINARY SURVEY |    |      |
|                     | TOPOG              |    |      |
|                     | DETAIL DESIGN      |    |      |
|                     | DRAFTING           |    |      |
|                     | CHECKING           |    |      |
|                     | TRACING            |    |      |

