

KANSAS GEOLOGICAL SURVEY

The University of Kansas
1930 Constant Ave
Lawrence KS 66047-3726
phone 785-864-3965
fax 785-864-5317
www.kgs.ku.edu

January 24, 2006

Mr. Rick Kiel, P. E.
Golder Associates Inc.
44 Union Boulevard Suite 300
Lakewood, CO 80228

**RE: Notification of lateral and vertical expansion of Finney County Landfill, Inc. D.B.A.
Western Plains Regional Landfill, Finney County, Kansas**

Dear Mr. Kiel:

I have received your request for comment by the Kansas Geological Survey (KGS) on a permit application for expansion of the municipal solid waste landfill in Finney County. The municipal solid waste landfill is located in NW ¼ of S30 T24S R31W, east of Garden City, Kansas.

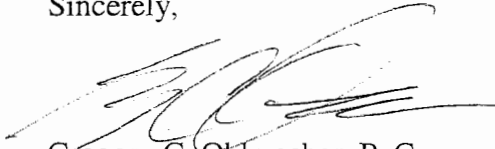
I examined the USGS Garden City East 7½-minute topographic map, along with a 2002 orthophotograph, and a ground-water study (Gutentag, Lobmeyer, McGovern, and Long, 1972, USGS Hydrologic Atlas 442), a geologic map (Johnson and Arbogast, 1993, KGS Map M-28), and water data available of the KGS web site (www.kgs.ku.edu/Hydro/hydroIndex.html) for Finney County. The geologic map indicates that the landfill site is on Tertiary Ogallala formation. This unit is composed primarily of alluvium, and is a major aquifer in the state. The site is relatively flat with some intermittent streams and is currently being used as a landfill.

- The Kansas Geological Survey's main concern is for potential ground-water contamination at this site. Monitoring wells at this site indicate that the depth to water in 2005 is from 90 to 115 feet below the surface. The saturated thickness of the aquifer at this location is over 100 feet. It is suggested that any existing ground-water chemical data from the monitoring wells be reviewed, and new chemical data be collected if needed.
- The Kansas Geological Survey has no knowledge of landslide, karst, or poor ground conditions that might affect this application.

The above discussion represents the information that the Kansas Geological Survey has on this proposed landfill site. Other geologic conditions, not discussed here, might affect the stability or safe operation of this landfill. The information provided in this letter is from countywide studies and should not be used as a substitute for detailed site investigations by a licensed geologist or engineer. It is the responsibility of the applicant to produce the detailed site evaluation.

If you have any questions regarding landslides and karst issues, please contact Gregory Ohlmacher (785)-864-2194. Please contact Marios Sophocleous (785) 864-2113 about ground-water issues.

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Ohlmacher', with a stylized flourish at the end.

Gregory C. Ohlmacher, P. G.
Engineering Geologist

Golder Associates Inc.
44 Union Boulevard, Suite 300
Lakewood, CO USA 80228
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January 18, 2006

Our Ref.: 043-2257

Kansas Geological Survey
1930 Constant Avenue
Lawrence, KS 66047-3726

**RE: NOTIFICATION OF LATERAL AND VERTICAL EXPANSION OF FINNEY
COUNTY LANDFILL, INC. D.B.A. WESTERN PLAINS REGIONAL LANDFILL,
FINNEY COUNTY, KANSAS**

Attention: Mr. Greg Ohlmacher

Dear Mr. Ohlmacher:

On behalf of Finney County Landfill, Inc. D.B.A. Western Plains Regional Landfill, Golder Associates Inc. (Golder) has prepared this document to notify your office of the proposed lateral and vertical expansion of the Western Plains Regional Landfill. As part of the expansion permit application process, we are required to notify your agency and request any information you may have on the site. To allow this expansion to occur, the drainage that currently separates the two permitted phases will be rerouted around the west side of the landfill. This diversion has already been designed and permitted through the Kansas Department of Agriculture Division of Water Resources on March 18, 2005.

The proposed expansion of the waste footprint is from 66.8 acres to 88.6 acres. The site is located on 220 acres of permitted area located in the northwest 1/4 of Section 30, Township 24 South, Range 31 West, approximately 3-1/2 miles east of Garden City, Kansas. Site location and layout maps are attached. The maximum height of the landfill will increase from elevation 2940 feet to 3006 feet above sea level.

If you should have any questions or comments, please contact the undersigned or Mr. Mark Adams of Waste Connections at (303) 708-8359.

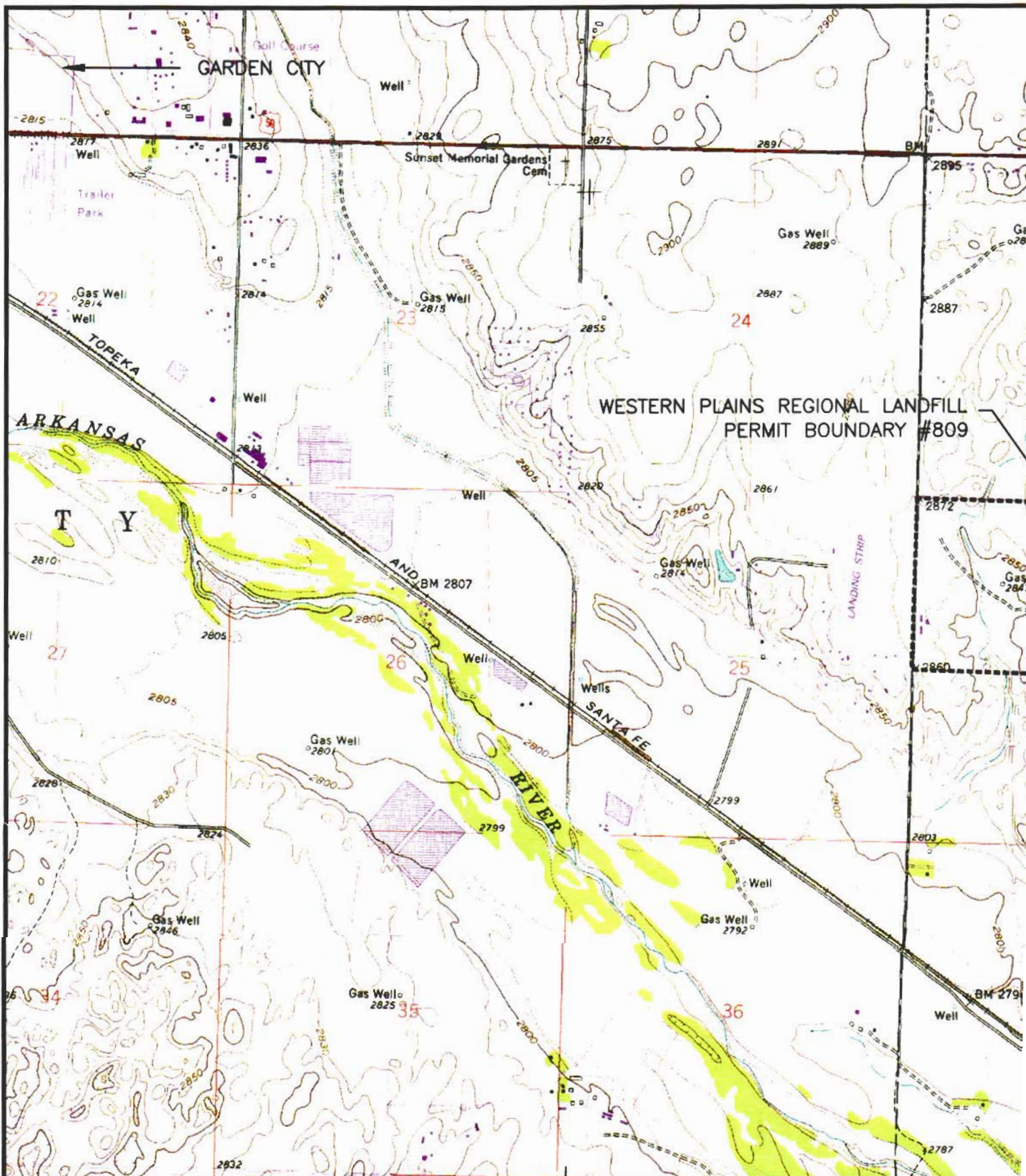
Sincerely,

GOLDER ASSOCIATES INC.

Rick Kiel, P.E.
Senior Project Manager

cc: Mr. Mark Adams, Waste Connections
Mr. Paul Schelstrate, Finney County Landfill, Inc

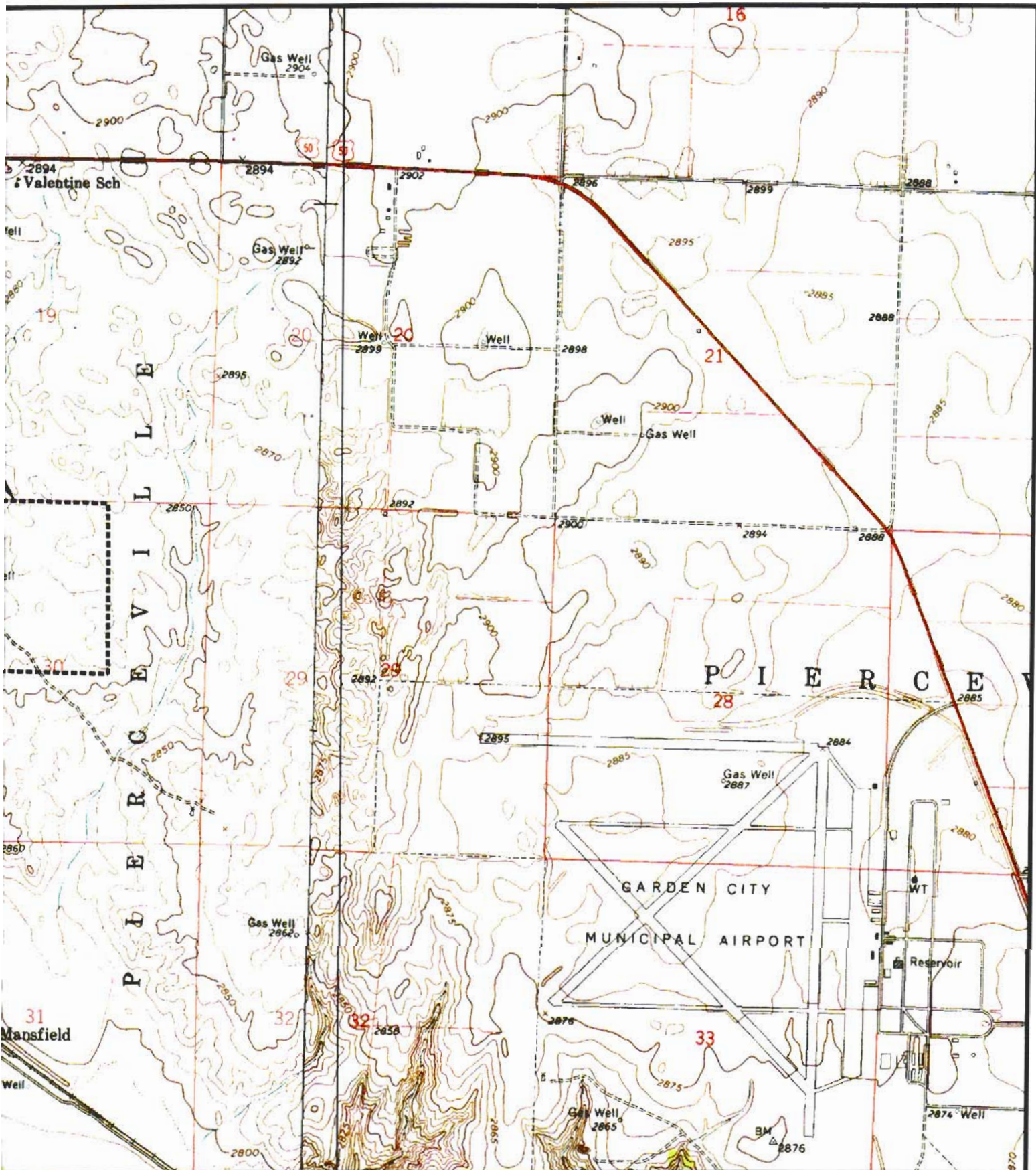
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REFERENCE:

USGS QUADS
GARDEN CITY EAST,
PIERCEVILLE, 1991
SEC. 30, T 24 S,





1983

31 W



SCALE 1:24,000

SITE LOCATION MAP

FIGURE 1

DWELLING

CLOSED INDUSTRIAL AREA

MW-12 MW-15

MW-13 PERM

EXISTING
& C

CLOSED MSW AREA

CLOSED CONST. &
DEMOLITION AREA

CLOSED
MSW AREA

CLOSED
MSW AREA

MW-21A

MW-22

MW-2

ACCESS ROAD

PROPOSED
WASTE
FOOTPRINT

PHASE B
(CURRENTLY
PERMITTED)

NEAREST DWELLING

MW-5

EXISTING S



NOTES

1. EXISTING TOPOGRAPHY FLOWN JULY 25, 2005
CORPORATION OF CHESTERFIELD, MISSOURI. CC

