

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

October 23, 2006

Ms. Cynthia A. Neitzel, P.E.
Terracon Consulting Engineers & Scientists
1815 S. Eisenhower
Wichita, KS 67209

**RE: Permit Application Notification
Kingman County Construction and Demolition Landfill
Kingman, Kingman County, Kansas
Terracon Project No. 01067112**

Dear Ms. Neitzel:

I have received your request for comment by the Kansas Geological Survey (KGS) on a permit application to expand the construction and demolition landfill for Kingman County. The landfill site is located in W $\frac{1}{2}$ W $\frac{1}{2}$ NW $\frac{1}{4}$ of S19 T28S R7W, south-southeast of Kingman, Kansas.

I examined the USGS Alameda 7 $\frac{1}{2}$ -minute topographic map, a 2002 orthophotograph, and a geologic map and report of Kingman County (Lane, 1960, KGS Bulletin 144), and water data available on the KGS web site (www.kgs.ku.edu/Hydro/hydroIndex.html). The geologic map indicates that the landfill site is on Quaternary Fullerton and Holdrege Formations, which are composed of sand, silty sand, and clay. Water-well records for section 19 confirm the presence of sand layers in these formations. These formations are aquifers in Kingman County and contain domestic water-supply wells.

- The Kansas Geological Survey's main concern is for potential ground-water contamination at this site.
- The Kansas Geological Survey has no knowledge of landslide, karst, or poor ground conditions that might affect this application.

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or countywide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

If you have any questions regarding these issues, please contact Gregory Ohlmacher at (785)-864-2194 or ohlmac@kgs.ku.edu.

Sincerely,

A handwritten signature in black ink, appearing to read 'G. Ohlmacher', with a long horizontal flourish extending to the right.

Gregory C. Ohlmacher, P. G.
Engineering Geologist

October 6, 2006



Mr. Lee Allison
Kansas Geological Survey
University of Kansas
1930 Constant Avenue
Lawrence, KS 66047-3726

1815 South Eisenhower
Wichita, Kansas 67209
Phone 316.262.0171
Fax 316.262.6997
www.terracon.com

Re: Permit Application Notification
Kingman County Construction and Demolition Landfill
KDHE Permit No. 122
Kingman, Kingman County, Kansas
Terracon Project No. 01067112

Dear Mr. Allison:

We have been retained by Kingman County to prepare an application to expand the Construction and Demolition Landfill. One of the requirements is to check with several agencies to determine if they have any information about the proposed site.

The location of the permitted C&D Landfill is in the W ½, W ½, NW ¼ of Section 19, Township 28 South, Range 7 West, in Kingman County, Kansas. A Location Map (Figure 1) and Proposed Site Layout (Figure 2) are attached. We request a response from your agency indicating any issues you may be aware of regarding this proposed land use.

Thank you for your consideration in this matter. Please contact us if you need any further information for your review. We respectfully request an expedited review and response. Please call (316-262-0171) or fax (316-262-6997) us with results.

Sincerely,

TERRACON

A handwritten signature in black ink, appearing to read "Cynthia A. Neitzel".

Cynthia A. Neitzel, P.E.
Project Manager

A handwritten signature in black ink, appearing to read "Catherine J. Rocky".

Catherine J. Rocky, P.G., I.E.
Senior Project Manager

A handwritten signature in black ink, appearing to read "Douglas A. Aldrich".

Douglas A. Aldrich P.E.
Principal, Office Manager

Attachments

N:\ENV Projects\2006\01067112\Letters\Demonstration Letters\KingmanpermitinforeqKGS.doc
Delivering Success for Clients and Employees Since 1965

More Than 80 Offices Nationwide

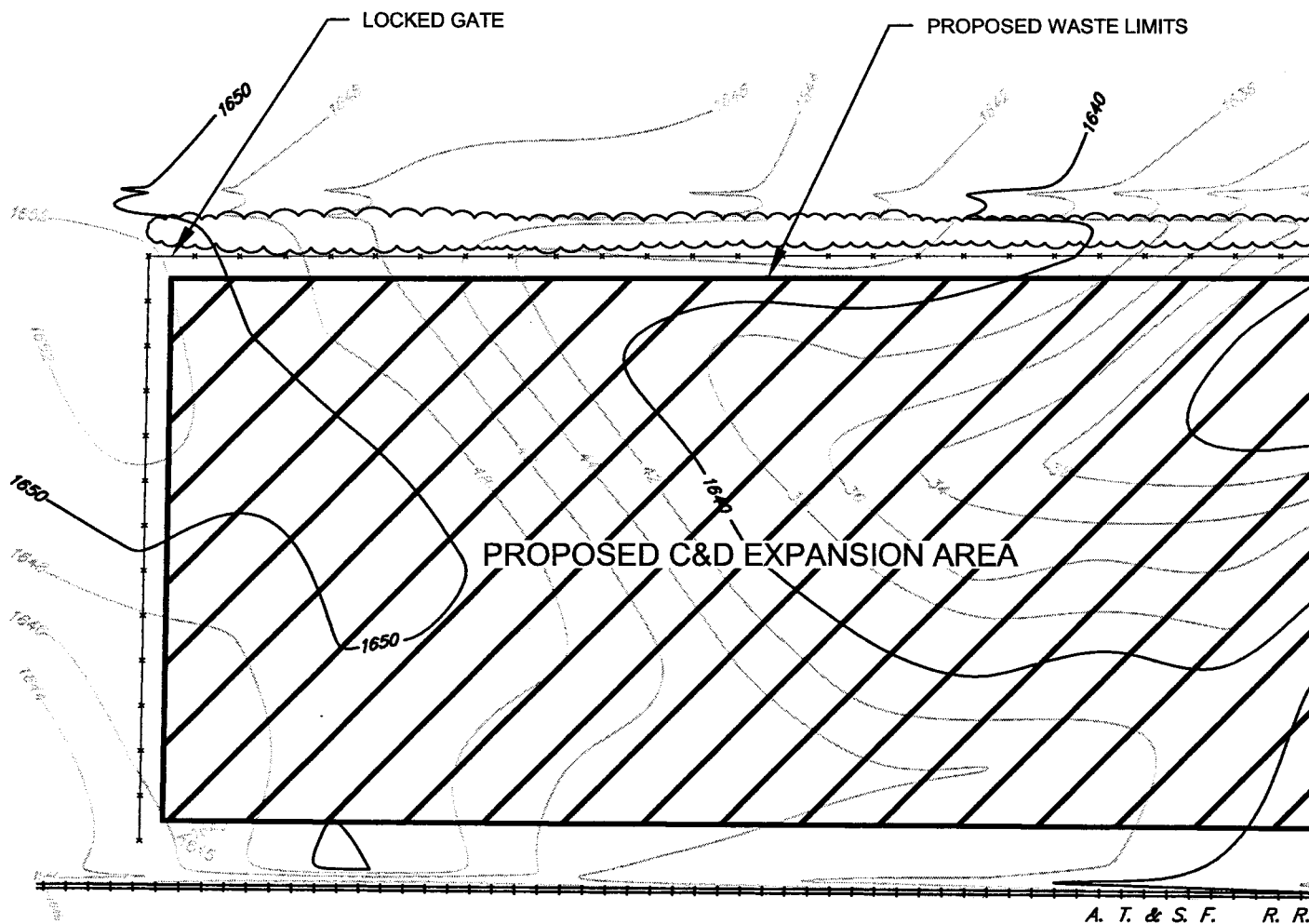
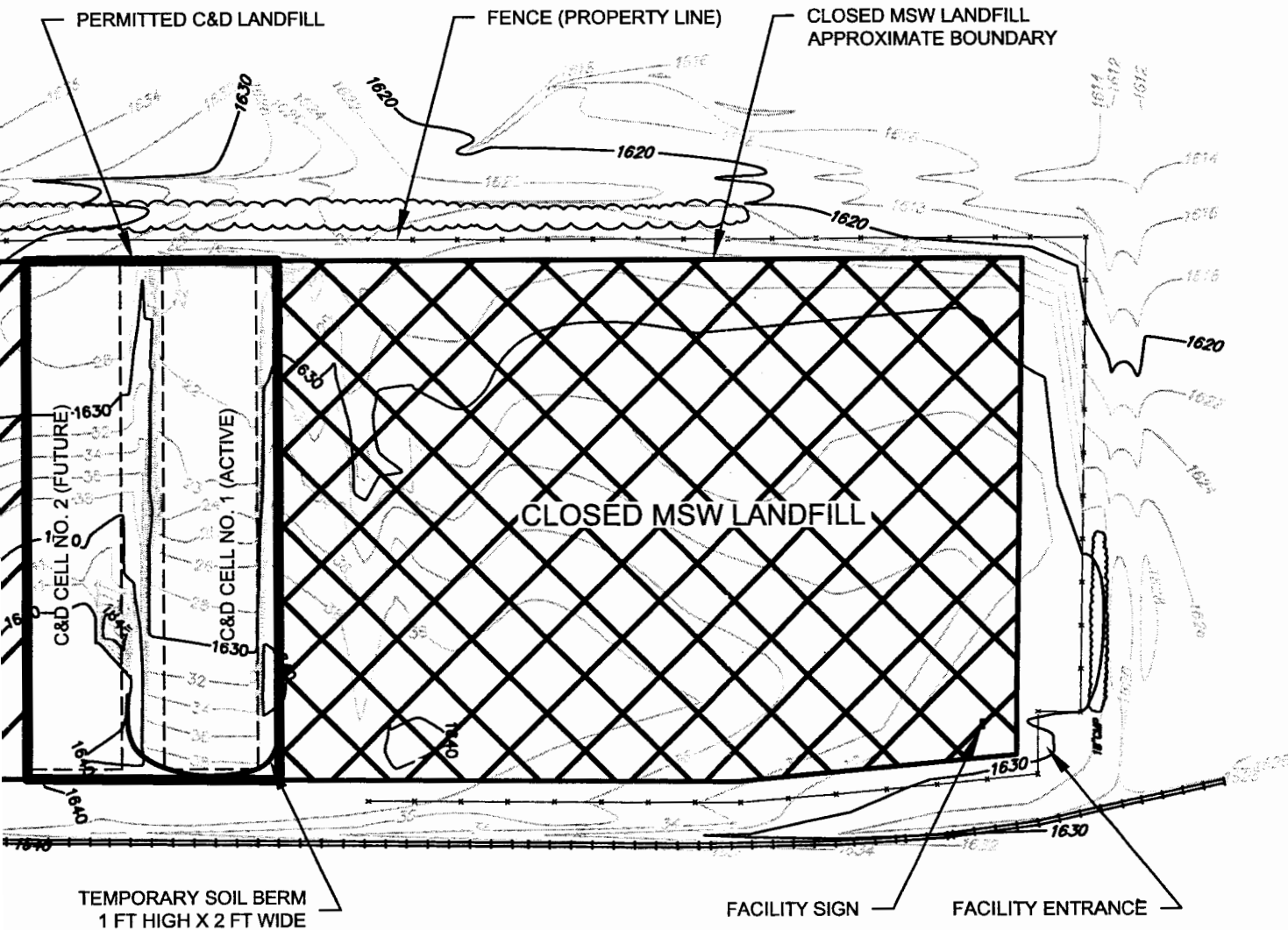


DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT
FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

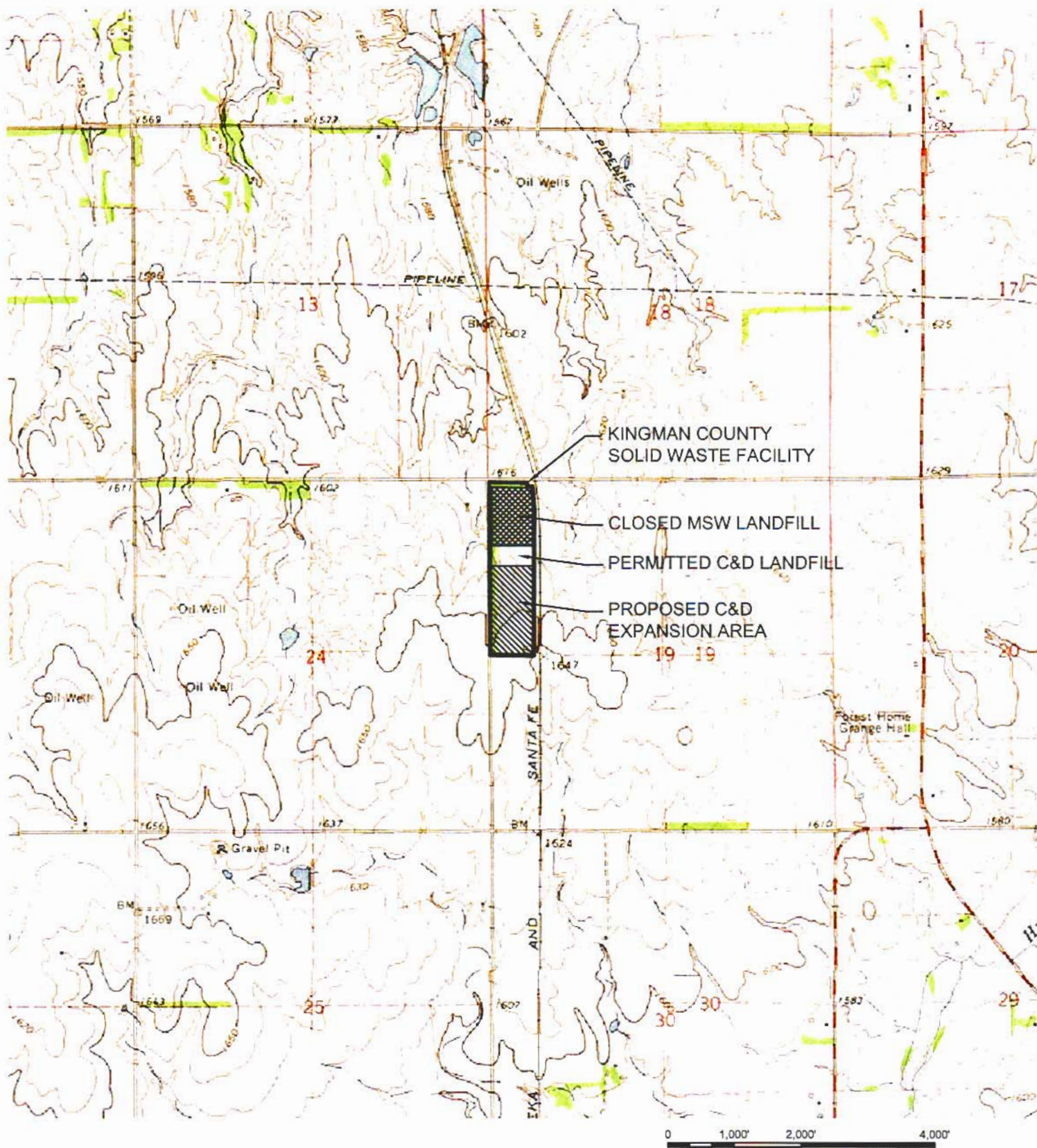
SURVEY
1. BEN
MILE
A FE
A W
PRO.
2. BEN
DOOR



OR'S NOTES:

MARK L-307 IS ELEV. 1646.95, 103 FEET NORTHEAST OF POST 36,44.3 FEET EAST OF THE EAST RAIL, 9 FEET NORTH OF NCE CORNER, 3 FEET WEST OF A FENCE, 2 OF A FEET NORTH OF NESS POST, SET IN THE TOP OF A CONCRETE POST WHICH ECTS 0.5 FOOT ABOVE THE GROUND.
 HMARK #1 IS ELEV. 1360.98 CH. "d" CTR. OF SOUTH OVERHEAD WEST SIDE OF BLDG.

EXISTING CONDITIONS TOPOGRAPHIC MAP KINGMAN COUNTY LANDFILL				
KINGMAN COUNTY, KANSAS				
Project Mngr:	CJR	 1815 S. Eisenhower Wichita, Kansas 67209 Phone: (316) 262-0171 Fax: (316) 262-6997	Scale:	SHOWN
Designed By:	CJR		Date:	10/02/06
Checked By:	CJR		Project No.	01067112
Approved By:	KCW		File Name:	
Drawn By:	BCB		Figure No.	2



ALAMEDA QUADRANGLE
KANSAS - KINGMAN COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)
1967

APPROXIMATE W/2 NW/4 NW/4
OF SECTION 19, TOWNSHIP 28
SOUTH, RANGE 7 WEST.

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT
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SITE LOCATION MAP KINGMAN COUNTY LANDFILL

KINGMAN COUNTY, KANSAS

Project Mngr:	CJR
Designed By:	CJR
Checked By:	CJR
Approved By:	KCW
Drawn By:	BCB

Terracon

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Figure No.	1