

KANSAS GEOLOGICAL SURVEY

1930 Constant Ave., Campus West
The University of Kansas
Lawrence, Kansas 66047-3726
phone 785-864-3965
fax 785-864-5317

September 28, 2005

Mr. Rick Schroeder
Redwood Dev., Inc.
3609 E. 20th
Joplin, MO 64801

RE: Request for Further Review on the Pittsburg Heights, L.P. project, Pittsburg, Kansas

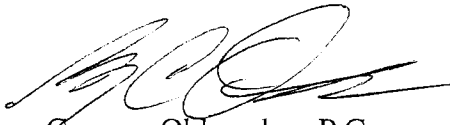
Dear Mr. Schroeder:

I have received your response to my comments for the Kansas Geological Survey (KGS) on an application for a U. S. Department of Agriculture, Rural Development Grant by Redwood Development, Inc. to cover some of the construction costs for an apartment complex (Pittsburg Heights, L.P.) in Pittsburg, Kansas. The apartment complex will be located in the NE¼ of the SE¼ of Section 18, T30S R25E.

I was provided my initial a copy of my initial comments (8/22/05) along with the environmental statement and the KGS Review (7/2/05) of a separate project: Pittsburg Seniors, L. P. Dr. Donald Whittemore reviewed the Pittsburg Seniors, L. P. project and he commented on hydrogeological (ground and surface water) concerns. I was asked to review the Pittsburg Heights L. P. project for geological hazards with both natural and anthropogenic causes. My first concern for the Pittsburg, Kansas, area is underground coal mines. For my initial response, I examined the 1944 mined areas map of the Weir-Pittsburg Coal (Abernathy, 1994, KGS Bulletin 52, pt. 5). It appeared that the Pittsburg Height, L. P. project was close to an underground coal map shown on that map. Since the Surface Mine Section of the Kansas Department of Health and Environment has more recent information, I recommended that you contact them. Since you requested a further review, I plotted the approximate location you provided for the Pittsburg Heights, L. P. project on the 1944 map of mined lands. A copy of this map is enclosed along with the explanation for the map. My plot indicates that the Pittsburg Heights, L. P. project is located above an underground coal mine. Again, I would recommend that the Surface Mine Section of the Kansas Department of Health and Environment be contacted about underground coal mines and potential subsidence at the proposed site. At this time, I will not make any changes to the Agency Review Transmittal Form.

If you have any questions, please contact me at (785) 864-2194 or ohlmac@kgs.ku.edu.

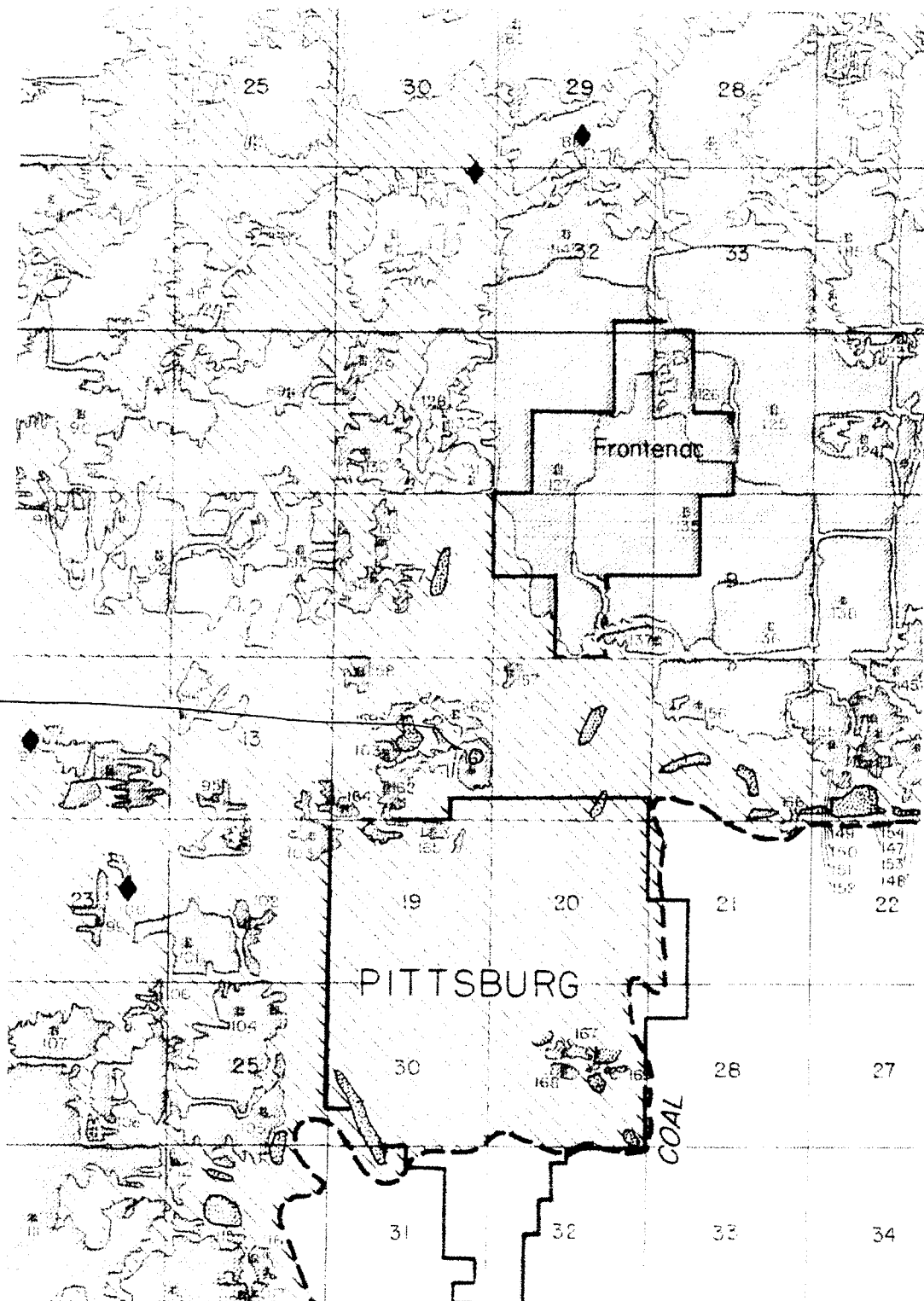
Sincerely,

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

Gregory Ohlmacher, P.G.
Associate Scientist

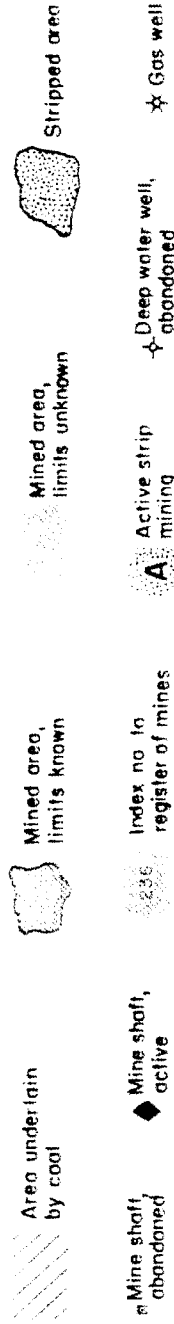
Enc: Map of Mined Areas of the Weir-Pittsburg Coal

Approximate
location
of Pittsburgh-
rights L.P.
reject

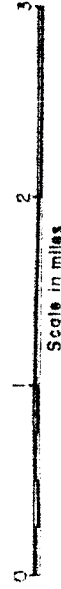


MAP OF MINED AREAS OF THE WEIR-PITTSBURG COAL BED IN SOUTHEASTERN KANSAS

by G. E. Abernathy
September, 1944



(Area northwest of shaded area is also underlain by Weir-Pittsburg coal, depth below surface increasing northwestward)





development, inc.

September 12, 2005

Mr. Gregory C. Ohlmacher, P.G., Associate Scientist
Kansas Geological Survey
1930 Constant Avenue, Campus West
The University of Kansas
Lawrence, Kansas 66047-3726

Re: Pittsburg Heights, L.P.

Dear Mr. Ohlmacher:

We received your response to the Agency Review Transmittal Form for our proposed Pittsburg Heights, L.P. apartment complex, and would like to provide you with additional information.

This property will be constructed directly north of our recently completed 24 unit elderly complex, Pittsburg Seniors, L.P. We received clearance from the Kansas Geological Survey in July 2001 for this location. In addition, Environmental Works, Inc., Springfield, Missouri, completed a Phase 1 Environmental Assessment Report on the property in 2001. As part of the assessment, federal and state data sources were searched, including MINES-Mines Master Index File (within .25 mile). That search revealed no mapped sites within the search radius of the property.

I would like to ask for further review of our proposal based on this additional information for this development site.

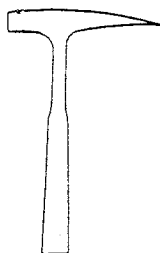
If you need further information, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Schroeder", is written over the word "Sincerely,".

Rick Schroeder
President

Enclosure



KANSAS GEOLOGICAL SURVEY

1930 Constant Ave., Campus West
The University of Kansas
Lawrence, Kansas 66047-3726
phone 785-864-3965
fax 785-864-5317

August 22, 2005

Mr. Rick Schroeder
Redwood Dev., Inc.
3609 E. 20th
Joplin, MO 64801

**RE: Request for Environmental Comments on the Pittsburg Heights, L.P. project,
Pittsburg, Kansas**

Dear Mr. Schroeder:

I have received your request for comment by the Kansas Geological Survey (KGS) on an application for a U. S. Department of Agriculture, Rural Development Grant by Redwood Development, Inc. to cover some of the construction costs for an apartment complex (Pittsburg Heights, L.P.) in Pittsburg, Kansas. The apartment complex will be located in the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 18, T30S R25E.

I reviewed the materials that you provided including the location map, site plan, description of project, preapplication for federal assistance, FEMA Flood Insurance map, USGS Pittsburg 7 $\frac{1}{2}$ -minute topographic map, and several photographs of the site. Additionally, I examined a KGS report on mined areas of the Weir-Pittsburg Coal in Crawford County (Abemathy, 1944, KGS Bulletin 52, pt. 5). The location of this project is underlain by the Weir-Pittsburg Coal, which has been mined in portions of Section 18. The coal bed is shallow, less than 50 feet below the ground surface. If the coal has been mined below this site, there is a potential for surface collapse (sinkhole formation). The Surface Mine section of the Kansas Department of Health and Environment should have more information on underground mining at this location. The Kansas Geological Survey recommends that the Surface Mine section be contacted about possible underground mining before this project proceeds. I have signed and enclosed the Agency Review Transmittal Form.

If you have any questions, please contact me at (785) 864-2194 or ohlmac@kgs.ku.edu.

Sincerely,

Gregory Ohlmacher, P.G.
Associate Scientist

Enc: Agency Review Transmittal Form

Dr. Lee Allison, Director
KS Geological Survey
1930 Constant Ave.
Lawrence, KS 66047

1940-J
Exhibit D

AGENCY REVIEW TRANSMITTAL FORM

Comments by: Gregory Ohlacher

May 3, 2005

Transmittal Date

PROJECT TITLE: Pittsburgh Heights, L.P.

XX

Notification of Intent

XX

Preapplication

CONTACT PERSON: Rick Schroeder

Final Application

Direct Development

This form provides notification and the opportunity for Your agency to review and comment on this proposed project as required by Executive Order 12372. Please complete Parts II & III as appropriate. Your prompt response will be appreciated.

RETURN TO:

Redwood Dev., Inc.
3609 E. 20th
Joplin, MO 64801

PART I

REVIEW AGENCIES/COMMISSIONS

☐ Aging
☐ Agriculture-DWR
☐ Biological Survey, KS
☐ Conservation Comm.
☐ Corporation Comm.
☐ Commerce

☐ Education
☒ Geological Survey, KS
☐ Health & Environment
☐ Historical Society
☐ Social & Rehab. Serv.

☐ State Forester
☐ Transportation
☐ Water Office, KS
☐ Wildlife & Parks

PART II (To be completed by review agency and returned to contact person)

AGENCY REVIEW COMMENTS

COMMENTS: *See cover for information about underground/mining in the vicinity of this project*

PART III (To be completed by review agency and returned to contact person)

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.

☐ Request a State Process Recommendation in concurrence with the above comments.

☐ Clearance of the project should not be delayed but the Applicant should (in the final application) address and clarify the questions or concerns indicated above.

☐ Request the opportunity to review final application prior to submission to the federal funding agency.

DIVISIONS/AGENCY/COMMISSION

Reviewer's Name: [Signature]

Date: 5/21/05

(11/04/98) PN 497

Enclosures: Site Plan, Description of Property, Location Map, Preapplication for Federal Assistance