

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

September 19, 2006

Ms. Rose Mary Saunders
City of Bentley, Kansas
150 S. Wichita
Bentley, KS 67016

RE: CDBG Project No. 06-ST-608

Dear Ms. Saunders:

I have received your request for comment by the Kansas Geological Survey (KGS) on CDBG Project No. 06-ST-608 to construct a new Senior Citizen Center in Bentley, Kansas. The new Senior Citizen Center will be located in the SW $\frac{1}{4}$ of Section 3, T25S R2W.

I was provided a brief description of the project, a map showing the project location, and detailed maps center and the interior. Additionally, I examined the U. S. Geological Survey Bentley 7 $\frac{1}{2}$ -minute topographic map, a 2002 orthophotograph (aerial photograph), the geologic map of Sedgwick County (Lane and Miller, 1991, KGS Map M-25), and a report on discharge of saltwater from Permian-age rocks and the Wellington Aquifer (Gogel, 1981, KGS Chemical Quality Series 9). The geology of the proposed site is Quaternary Alluvium, which consists of river deposits. Below the alluvium is the Permian Wellington Formation, which includes the Hutchinson Salt. Subsurface dissolution of the Hutchinson Salt along this portion of the Arkansas River has created numerous sinkholes and depressions (see figure 5 in Gogel, 1981). The Bentley topographic map has a depression in the general area of the proposed project. The orthophotograph has a dark spot at the location of the depression. This could indicate wet soils or the accumulation of organic materials associated with the depression. Depressions can result from a variety of processes including dissolution of soluble rocks, consolidation (settlement) of sediments, erosion by wind, abandonment of stream channels, alteration of the ground surface by human activity, or other causes. The KGS does not know the cause of the depression at this location. Additionally, organic soils can potentially have shrink-swell problems. Given that this is an area of salt dissolution, the KGS recommends a site investigation by a licensed geologist or geotechnical engineer if the building will be within or near the depression.

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.

I have signed and enclosed the agency 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.

AGENCY REVIEW TRANSMITTAL FORM

Transmittal Date: September 5, 2006

PROJECT TITLE: City of Bentley, Kansas ☒ Environmental Review
Senior Citizens Center

CONTACT PERSONS: Laura Fisher, City Clerk OR Rose Mary Saunders
(316) 796-1799 (316) 832-023

This form provides notification and the opportunity
For you 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:
City of Bentley, Kansas
150 S. Wichita
Bentley, KS 67016

PART I

REVIEW AGENCIES/COMMISSIONS

☐ Agriculture	☒ Geological Survey	☐ State Forester
☐ Biological Survey	☐ Health & Environment	☐ Transportation
☐ Commerce	☐ Historical Society	☐ Water Office
☐ Corporation Comm.	☐ Natural Resources Cons.	☐ Wildlife & Parks
☐ Corps of Engineers	☐ Indian Nation Contact	☐ Emergency Preparedness
☐ FEMA	☐ State Conservation Comm.	☐ U. S. Fish & Wildlife
☐ Indian Affairs	☐ EPA	☐ National Park Service

PART II

AGENCY REVIEW COMMENTS

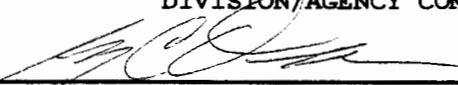
*See cover letter with respect to depression
surface*

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

RECOMMENDED ACTION COMMENTS

☐ Clearance of the project should be granted	☐ Clearance of the project should not be delayed but the Applicant should address & Clarify the questions or concerns indicated above.
☐ Clearance of the project should not be granted.	☐ Request a State Process Recommendation in concurrence with above comments.
☒ Clearance of the project should be delayed until the issues or questions have been clarified	

DIVISION/AGENCY COMMISSION

Reviewer's Name: 

Date: 9/13/2006

City of Bentley, Kansas
150 S. Wichita
Bentley, KS 67016
Telephone & Fax No. (316) 796-1799

September 5, 2006

Kansas Geological Survey
ATTN: Director
1930 Constant Avenue
Lawrence, KS 66047

RE: CDBG Project No. 06-ST-608

Dear Director:

The City of Bentley has been awarded a KAN-Step Grant to construct of new Senior Citizens Center. With the assistance of volunteer and contract labor, a 50' x 60' wood-frame building will be constructed on a concrete slab with all utilities and a parking lot. The building and parking lot will be ADA compliant and drainage will tie into the City's current drainage system. The new Senior Center will be located in the northeastern portion of the City near an existing housing development and the location of the proposed new City Park. A copy of the City Plat showing the location of the new facility and a copy of the proposed building are included for your information.

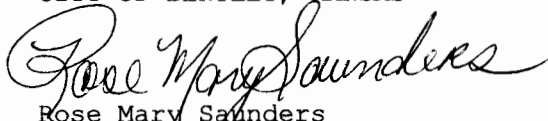
No persons will be displaced or relocated by the construction of the Senior Citizens Center.

For your convenience, enclosed is a transmittal form for your response. The City would appreciate receiving your comments by September 22, 2006.

If you have any questions, please feel free to contact Laura Fisher, City Clerk at (316) 796-1799 or myself at (316) 832-0213.

Sincerely,

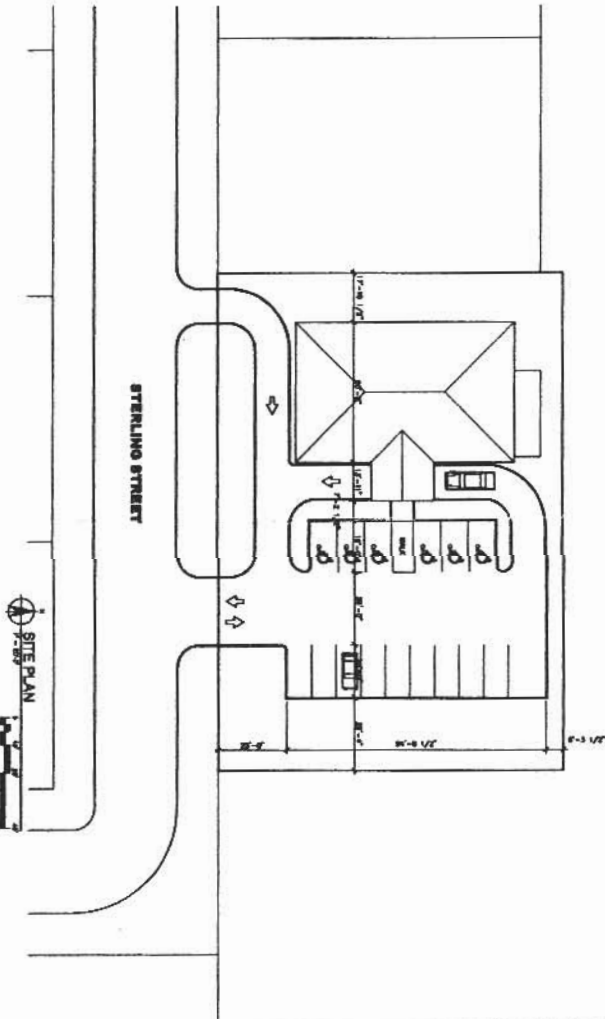
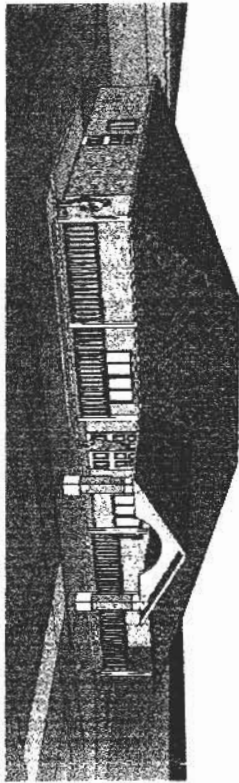
CITY OF BENTLEY, KANSAS


Rose Mary Saunders
CDBG Administrator

Enc.

BENTLEY SENIOR BUILDING

BENTLEY, KANSAS



SP1

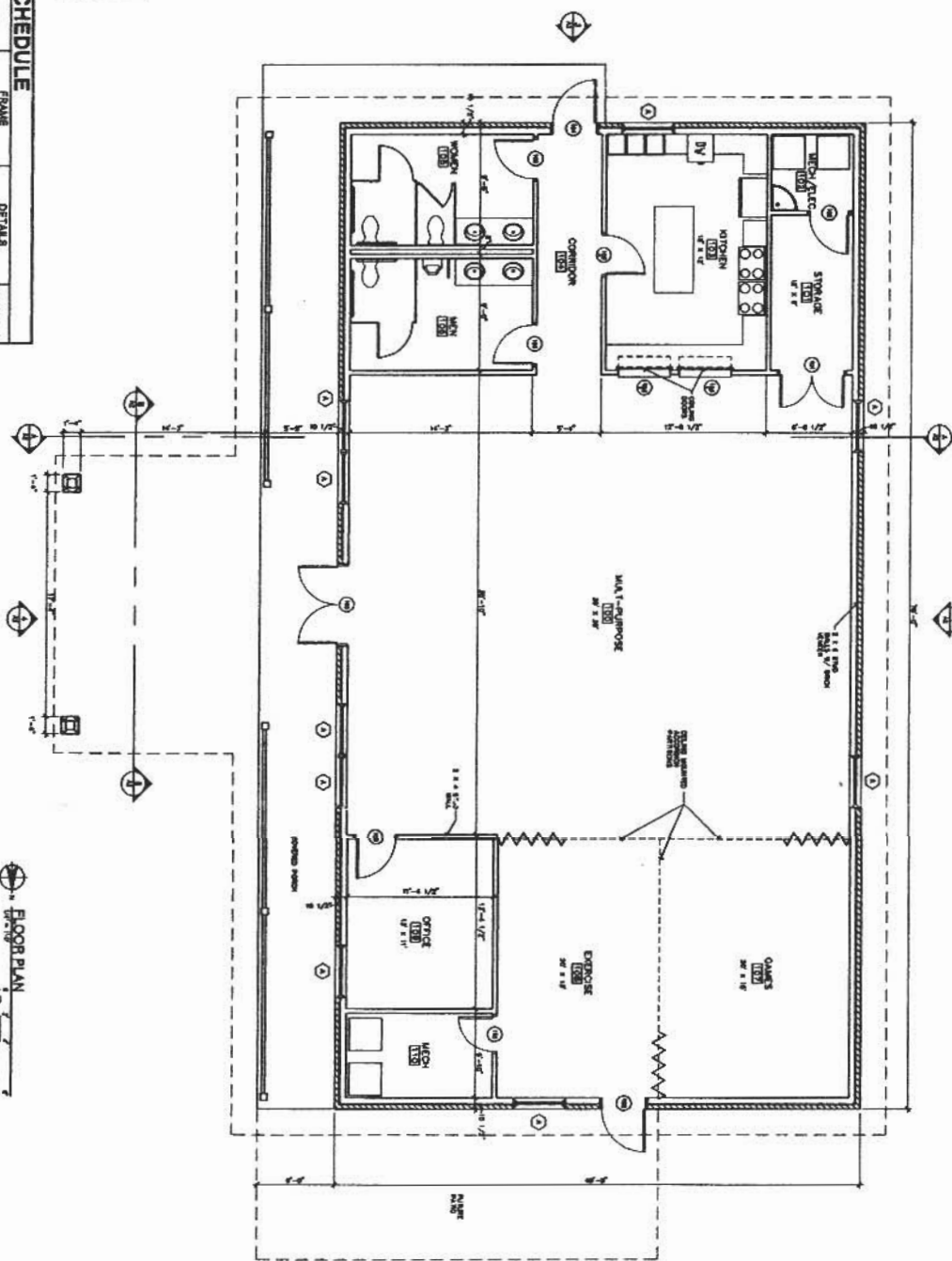
11/18 L. 2nd St.
Wichita, KS 67214
316.262.7455

PRICING
DRAWING
NOT FOR
CONSTRUCTION

BENTLEY SENIOR BUILDING
BENTLEY, KANSAS

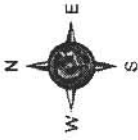
Architects

WINDOW SCHEDULE			
Quantity	NUMBER	WIDTH	HEIGHT
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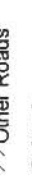
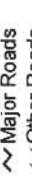
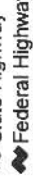
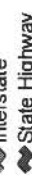
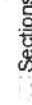
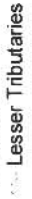
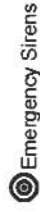
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City of Bentley

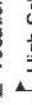
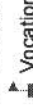
Sedgwick County, Kansas



Legend



Schools

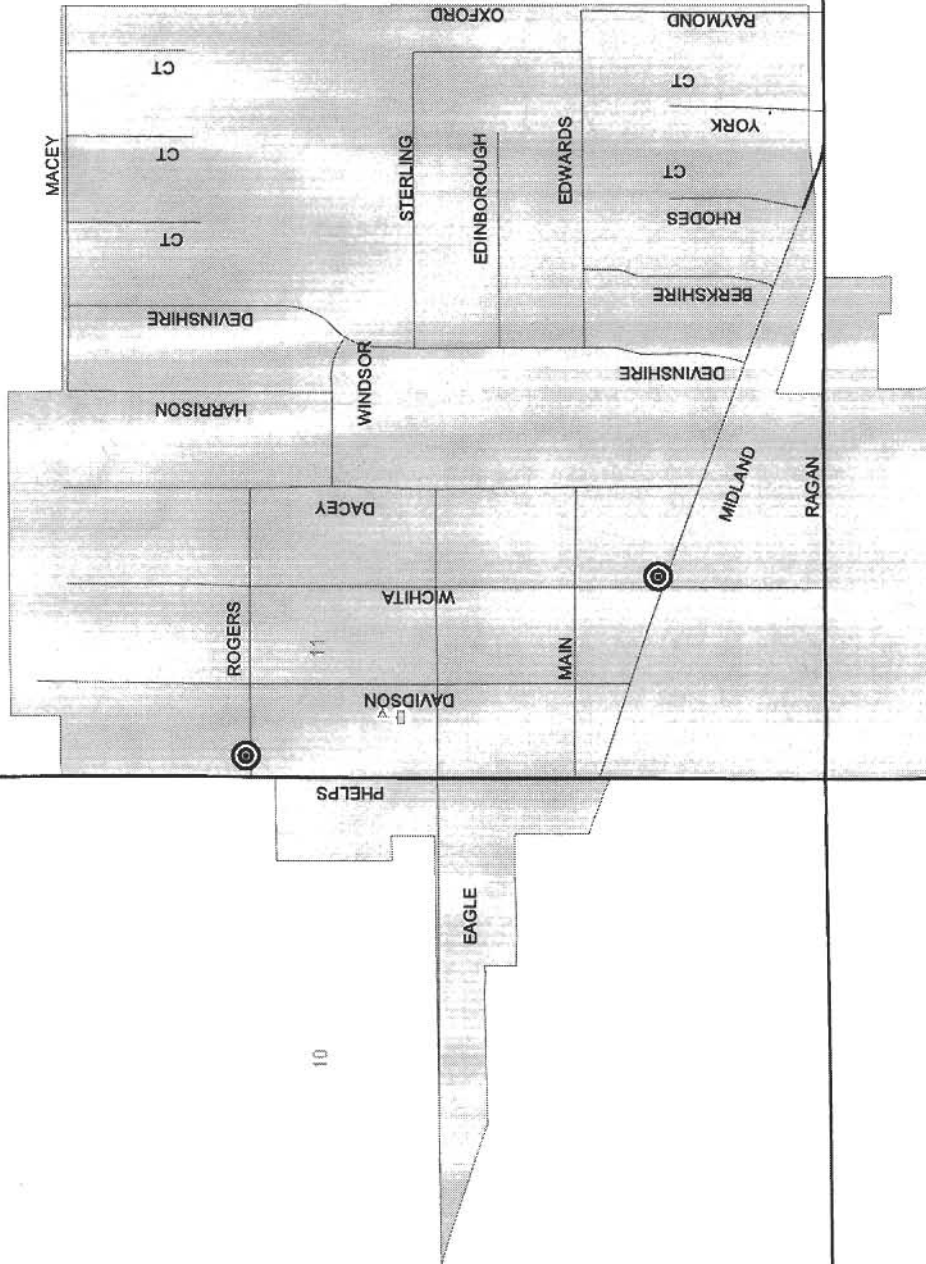


Feet
0 400 800

DATE: 3/24/2006

It is understood that the Sedgwick County GIS, Division of Information and Operations, has no indication or reason to believe that there are inaccuracies in information incorporated in the base map.

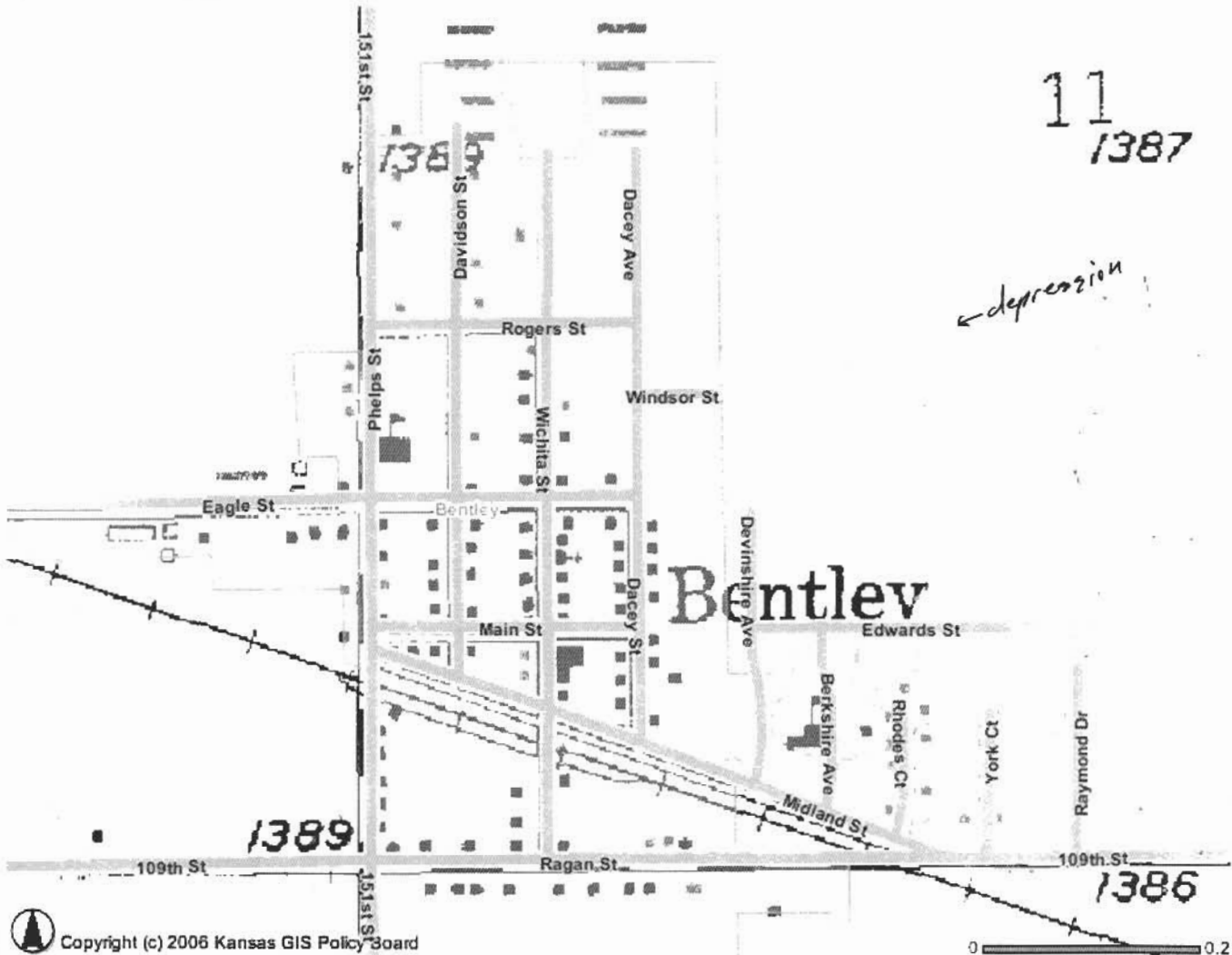
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9/18/06

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←depression



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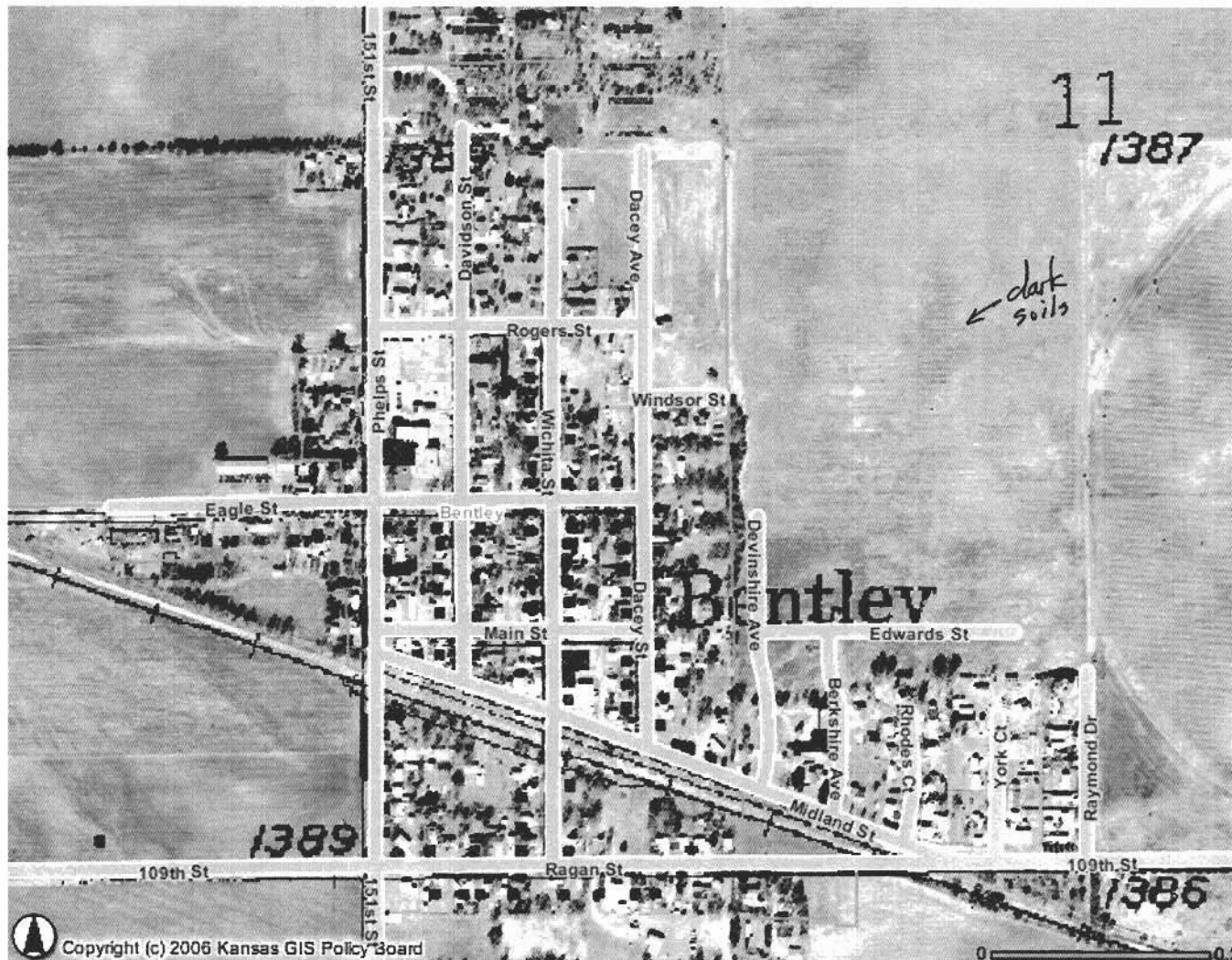
09/13/2006

Legend

Overview Map

- Highways
 - Interstate
 - US Highway
 - KS Highway
- Roads
- City Boundary

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G. Ohlmacher 9/19/06



Legend

- Highways**
- Interstate
- US Highway
- KS Highway
- Roads
- City Boundary

Overview Map



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