

Subject: Re: Water Well #6 - Chapman KS

From: Dave Young <young@kgs.ku.edu>

Date: Wed, 13 Aug 2008 11:36:50 -0500

To: Sara Crangle <scrangle@nckcn.com>

CC: 'Doug McKinney' <dmckinney@nckcn.com>, "Daniel R. Suchy" <dsuchy@kgs.ku.edu>, slyle <slyle@kgs.ku.edu>

Ms. Crangle,

This change -- elevating the well above the floodplain -- is appropriate and does not cause any new concerns.

Thank you.

Dave Young

Sara Crangle wrote:

Mr. Young,

In response to the letter received by our office concerning the water well reconstruction project to take place in Chapman, KS, I would like to clarify that the engineering plans now involve elevating the water well above the floodplain. This information was not provided to you in the initial letter requesting project approval, and our office would like to make certain that the plans to elevate the well will still find your approval. As proposed, you did approve the project citing that the project ought to be sensitive to consequences associated with building in a floodplain. In an effort to mitigate those consequences, engineers have opted to elevate the well above the floodplain. If this change causes any new concerns, please direct those concerns to me (information provided below).

Thank you for your time,

Sara Crangle
North Central Regional Planning Commission
Community Development Representative
Beloit, KS 67420
785-738-2218

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David P. Young
Geohydrology Section
Kansas Geological Survey
1930 Constant Avenue
Lawrence, KS 66047-3726

ph (785) 864-2096
fax (785) 864-5317
young@kgs.ku.edu

August 7, 2008

Doug McKinney
North Central Regional Planning Commission
109 N. Mill St.
P.O. Box 565
Beloit, Kansas 67420

Re: Environmental review for water and electric infrastructure replacement, Chapman, KS

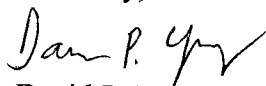
Dear Mr. McKinney,

The Kansas Geological Survey (KGS) has received your July 23, 2008 letter requesting us to review the above referenced project. The project consists of replacing or repairing city water well #6 and electrical system infrastructure damaged in a tornado that occurred June 11, 2008.

A review of regional geologic information and project information provided by you indicates that portions of Chapman, including city well #6, are within a 100-year flood zone. Enclosed for reference is a FEMA Flood Insurance Rate Map, which depicts the flood zone relative to city well #6. Because of its location, well operation and repair in the event of a flood should be considered. According to Kansas administrative regulations, a Kansas licensed water well contractor should (re)construct the well in accordance with K.A.R. 28-30-5 (<http://www.kdheks.gov/waterwell/>). Questions regarding the well (re)construction should be referred to the KDHE Bureau of Water: (785) 296-5509.

This letter is an assessment based on the regional geologic conditions available at the KGS and cannot be used in substitute of a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the viability of the project. It is the responsibility of the applicant to provide any necessary characterization, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

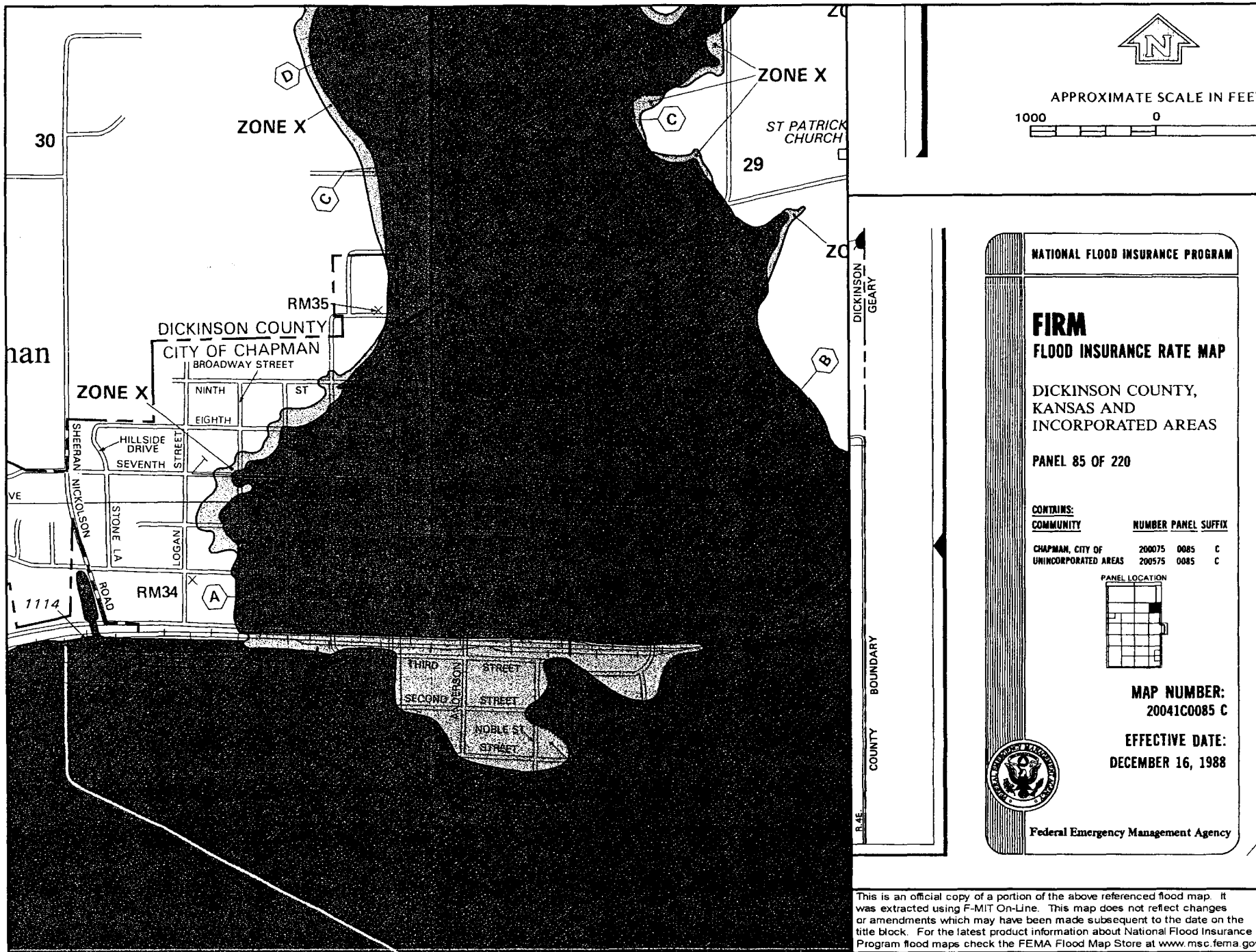
Sincerely,


David P. Young
Hydrologist


Shane Lyle, RG
Geology Extension Coordinator

Enclosure

cc: Dan Suchy, KGS Data Resources Library



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

DICKINSON COUNTY,
KANSAS AND
INCORPORATED AREAS

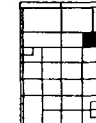
PANEL 85 OF 220

CONTAINS:
COMMUNITY

NUMBER PANEL SUFFIX

CHAPMAN, CITY OF	200075	0085	C
UNINCORPORATED AREAS	200575	0085	C

PANEL LOCATION



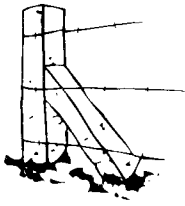
MAP NUMBER:
20041C0085 C

EFFECTIVE DATE:
DECEMBER 16, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



North Central Regional Planning Commission

109 N. Mill St., P.O. Box 565 • Beloit, Kansas 67420 • (785) 738-2218

July 23, 2008

Kansas Geological Survey
Attn: Rex Buchanan
1930 Constant Ave
Lawrence, KS 66047-3726

Re: Environmental Review for water and electric infrastructure replacements, Chapman, KS.
CDBG Project Number: Anticipated

Mr. Buchanan,

The city of Chapman is applying for grant funds from the Kansas Department of Commerce's Urgent Need Community Development Block Grant to replace one water well and power line infrastructure damaged in a tornado that occurred June 11, 2008. The city must rebuild damaged water and electric systems in order to provide for the residential and city demands, especially as residents and businesses work to rebuild their own personal damages. Reconstruction of electric poles and lines will be in the same location as those previously damaged, and will be of the same capacity; the grid will not change in location or capacity. Repairs to the damaged water well (#6) will also take place in the same location, and will be rehabilitated to the same capacity. The changes for which Chapman is applying for are only for replacement costs, of which insurance will not cover in full. The water well and electrical line locations are detailed on the attached map.

Enclosed is a project summary and location maps. Your agency comment on this subject is important. Please respond with comments on or before August 7, 2008.

The North Central Regional Planning Commission is serving as Grant Administrator for this project. If you have any questions, please contact either Doug McKinney or Sara Crangle by phone at (785)738-2218 or by email at dmckinney@nckcn.com or scrangle@nckcn.com. Thank you for your attention to this matter.

Sincerely,

Doug McKinney
Project Administrator

Enc
Copy to: City of Chapman

City of Chapman, Water Well and Electrical Infrastructure Replacement

CDBG Grantee: City of Chapman

Project Number: Anticipated

Comment Period: July 23, 2008- August 7, 2008

Project Type: Tornado Reconstruction

Project Location: Chapman, KS

Estimated Project Cost:	CDBG	Less than \$300,000
	<u>Local</u>	<u>Will Match CDBG w/ insurance and FEMA assistance</u>
	Total	Less than \$600,000

Lead Agencies: City Of Chapman
City Hall, 402 N Marshall, PO Box 321
Chapman, KS 67431-0321

Official Project Representatives: City of Chapman
Robert Gaetz, Mayor
402 N Marshall, PO Box 321
Chapman, KS 67431-0321
(785) 922-6582

Project Information: North Central Regional Planning Commission, Project Administrators
Doug McKinney or Sara Crangle
(785) 738-2218
dmckinney@nckcn.com or scrangle@nckcn.com

Scope of Work Details: The city of Chapman is applying for grant funds from the Kansas Department of Commerce's Urgent Need Community Development Block Grant to replace one water well and power line infrastructure damaged in a tornado that occurred June 11, 2008. The city must rebuild damaged water and electric systems in order to provide for the residential and city demands, especially as residents and businesses work to rebuild their own personal damages. Reconstruction of electric poles and lines will be in the same location as those previously damaged, and will be of the same capacity; the grid will not change in location or capacity. Repairs to the damaged water well (#6) will also take place in the same location, and will be rehabilitated to the same capacity. The changes for which Chapman is applying for are only for replacement costs, of which insurance will not cover in full. The water well and electrical line locations are detailed on the attached map.

Portions of the City of Chapman are recognized to be within a floodplain.

Anticipated project timeline:

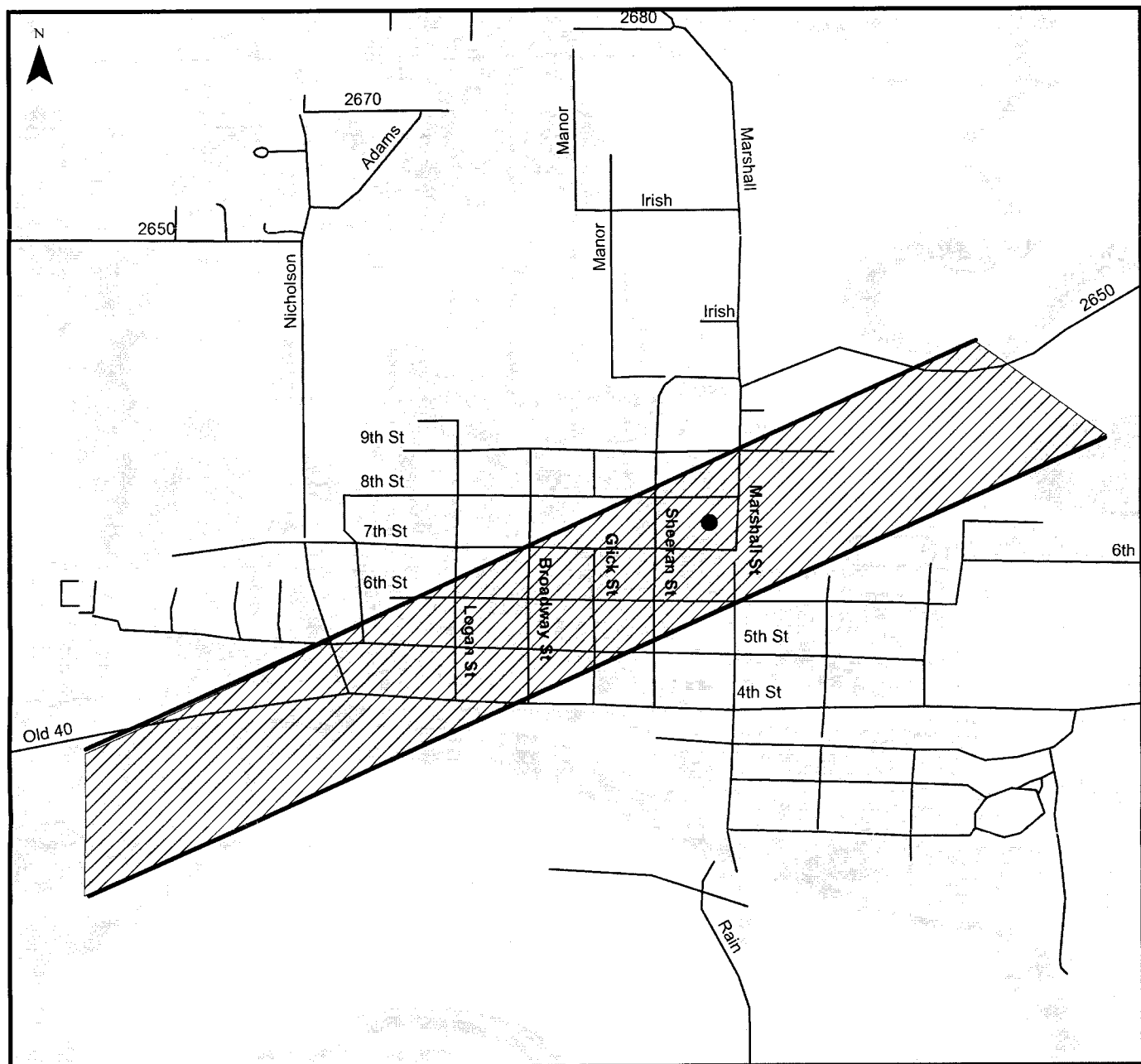
Electrical: Completed

Water Well: Anticipated to begin November 2008

Completion of this project will supply the citizens of Chapman with a reliable water supply and electrical infrastructure.

Tornado Path, City of Chapman, KS

Occurring June 11, 2008



Legend

- Streets
- Tornado Path
- Damaged Well #6

Created by: SC Crangle, NCRPC, July 23, 2008