

February 26, 1988

Department of Engineering
City Hall-Seventh Floor
455 North Main
Wichita, Kansas 67202

Subject: Application for
Conditional LOMR, Brush
Creek.

Attention: Mr. Chris Breitenstein, P.E.

Dear Chris:

Transmitted with this letter is my amended Application for a Conditional Letter of Map Revision for Lots 5 thru 18 in Block 1 of Brush Creek Addition. Those lots are clustered around the south Rushwood Court. The FEMA Application is supplemented by several exhibits to support the request. Please review the amended request and forward it to FEMA for review and approval, or if you have any questions or need additional information, please call me.

Yours truly,

encl (3)

M. S. Mitchell

[Large handwritten scribble]

RECEIVED
FEB 26 1988
ENGINEERING DIVISION

M. S. Mitchell
Flood Plain Management & Land Development Specialist
1215 Forest • Wichita, KS. 67203
(316) 265-9812

REQUEST FOR CONDITIONAL LETTER OF MAP REVISION

LOTS 5 THRU 18, BLOCK 1, BRUSH CREEK ADDITION

TO THE CITY OF WICHITA, KANSAS

COMMUNITY NUMBER 200328

This report supplements the standard form for a Request for Letter of Map Revision to provide information not specifically asked for on the standard form and to provide a convenient place to list all of the Exhibits which support that request. Brush Creek Addition includes land either side of the East Fork of Chisholm Creek in the area immediately south of 37th Street North and has all City of Wichita standard improvements of water, sewer, street paving and storm water sewers. The plat defined a Floodway 350 feet wide anchored on the east (left) side of East Fork along the route of the sanitary sewer submain serving the area. That alignment is slightly different than shown on Floodway Panel 15 and was approved by FEMA based on my report dated June 26, 1985 in Brian Mrazik's letter to Mayor Knight dated October 4, 1985, a copy of which is included here as Exhibit F. The lots for which this application requests a Letter of Map Revision are located between the east line of that Floodway and Rushwood Street at the south edge of the plat, and are partially elevated to meet the existing street curb and sidewalk elevations which were set by the City to be a minimum of one foot above the Base Flood Elevation. Approval of this request would assure the developer that filling the balance of the lots to be at or above the BFE would remove the Flood Plain Management requirements for building permits on the lots to be filled. With the Conditional Letter of Map Revision in hand, the developer can proceed with his project without having to complete the fill work in advance of the other phases of the development.

This application is accompanied by the following Exhibits to support the request:

Exhibit A. A print of the subdivision plat of Brush Creek Addition to the City of Wichita on which the recordation identification number (S-3 2-28), the filing date (January 26, 1984), signature and seal of the Register of Deeds of Sedgwick County are affixed. In addition to that official plat information, I outlined subject lots with yellow tape and wrote the elevation of the intersection of the lot line and street right of way line for each lot as taken from the City of Wichita paving plans for Rushwood and Rushwood Court and converted to NGVD. I also drew the approximate location of the two G&O cross sections which are nearest the lots and entered the respective BFE taken from the computer program output file furnished the City by FEMA.

Exhibit B. Print of excerpt from Firm Panel 15 for the City of Wichita on which Lots 5 thru 18 of Block 1 of Brush Creek Addition have been outlined and highlighted.

Exhibit C. Print of excerpt from Floodway Map Panel 15 for the City of Wichita on which Lots 5 thru 18 of Block 1 have been outlined and highlighted, and on which cross sections AG and AH have been highlighted.

Exhibit D. Print of a portion of Table 4 from the City of Wichita FIS on which the Floodway Data for cross sections AG and AH have been highlighted.

Exhibit E. FEMA Application form on which the appropriate information is written.

Exhibit F. Copy of letter from Mrazik to Knight confirming the location of the Regulatory Floodway to conform to the platted floodway in Brush Creek Addition. See Enclosure 1, Response to Issue No. 7 on Panel 0015 (Page 3 of Enclosure 1).

I, M.S. Mitchell, a Registered Land Surveyor in the State of Kansas, do hereby certify that all of the information contained in this report and its exhibits is current and accurate.

M.S. Mitchell

M.S. Mitchell

M. S. Mitchell
Flood Plain Management & Land Development Specialist
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(316) 265-9812

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC.)	REGULATORY (FEET NGVD)	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE (FEET)
EAST FORK CHISHOLM CREEK OLD RM								
V	3.53	375	1114	5.2	1344.0	1344.0	1344.0	0.0
W	3.72	580	3607	1.6	1345.4	1345.4	1345.8	0.4
X	3.93	215	1472	2.5	1345.8	1345.8	1346.1	0.3
Y	3.96	215	1404	2.7	1346.8	1346.8	1347.1	0.3
Z	4.11	160	1124	3.3	1347.4	1347.4	1347.7	0.3
AA	4.20	340	1728	2.2	1348.0	1348.0	1348.2	0.2
AB	4.53	198	953	4.2	1349.9	1349.9	1350.9	1.0
AC	4.76	235	1601	2.5	1352.0	1352.0	1352.8	0.8
AD	5.10	230	1374	2.9	1353.5	1353.5	1354.2	0.7
AE	5.44	150	546	7.4	1355.9	1355.9	1356.3	0.4
AG	5.88	350	2202	1.8	1360.6	1360.6	1361.4	0.8
AH	6.18	350	1890	1.7	1361.5	1361.5	1362.2	0.7
AI	6.24	210	1632	2.0	1362.2	1362.2	1363.0	0.8
AJ	6.48	250	1799	1.8	1362.5	1362.5	1363.4	0.9
AK	6.83	150	935	3.5	1364.1	1364.1	1364.7	0.6
AL	7.17	150	748	4.3	1366.2	1366.2	1366.6	0.4
AM	7.29	148	905	3.6	1367.3	1367.3	1367.7	0.4
AN	7.46	150	791	4.1	1368.1	1368.1	1368.7	0.6
AO	7.54	250	2054	1.6	1376.6	1376.6	1377.5	0.9

¹MILES ABOVE CONFLUENCE WITH WICHITA DRAINAGE CANAL

FLOODWAY DATA

EAST FORK CHISHOLM CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

CITY OF WICHITA, KS
(SEDGWICK CO.)

TABLE 4



Federal Emergency Management Agency

Region VII 911 Walnut Street Kansas City, Missouri 64106

REQUEST FOR LETTER OF MAP AMENDMENT / MAP REVISION

This is to request that a determination be made as to whether or not a certain land area or structure is within a Special Flood Hazard Area.

All documents submitted in support of this appeal are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Nov 27, 1987

Date

M. S. Mitchell

Signature of Applicant

The following information is submitted in support of my request that a determination be made as to whether or not a certain land area or structure is within a Special Flood Hazard Area. The property is shown on the Federal Emergency Management Agency Flood Hazard Boundary Map (FHEM) or Flood Insurance Rate Map (FIRM) identified as:

WICHITA, KANSAS

(Community Name)

200 328

(Community Number)

(Please check appropriate boxes)

- (1) A copy of the recorded deed and recorded plat indicating both the legal description of the property and the official recordation information (deed or plat book volume and page number) and bearing the seal of the Recorder of Deeds. Exhibit A
- (2) Topographic information, including contours and elevations of both the lowest finished grade adjacent to the structure and the lowest floor (including basement). No Structures on these Lots
- (3) Planimetric information indicating the location of structures on the property. No Structures on these Lots
- (4) Certification by a registered professional engineer or licensed land surveyor indicating the type of structure, whether it is elevated on posts, piers, or walls, and whether it is built on a barrier sand dune.
- (5) Other (please list) Report w/ Exhibits B, C, D, E & F

HOME PHONE 316-265-9812

WORK PHONE 316-265-9812

Please Print or Type Name and Address Legibly

M. S. MITCHELL

1215 FOREST, WICHITA
KANSAS 67203

Exhibit E



Federal Emergency Management Agency

Washington, D.C. 20472

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Community No.
200328

OCT 4 1985

Honorable Robert G. Knight
Mayor, City of Wichita
City Hall, First Floor
455 North Main Street
Wichita, Kansas 67202

Dear Mayor Knight:

This is in response to your letter dated April 3, 1985, to the Federal Emergency Management Agency (FEMA). Your letter formally appealed the proposed base flood elevations (BFEs) as presented in the Revised Preliminary Flood Insurance Study (FIS) for the City of Wichita, Sedgwick County, Kansas, which was issued on September 10, 1984. Information supporting the issues raised in your appeal was provided by the city in submittals dated May 10; June 7, 14, and 26; July 9, 16, and 30; and, August 9 and 12, 1985.

On July 25, 1985, a meeting to discuss the issues of the appeal was held at the office of Greenhorne & O'Mara, Inc. (G&O), our Technical Evaluation Contractor. This meeting was attended by representatives of FEMA and G&O, Mr. Michael E. Lindebak, P.E., of the City of Wichita, and Mr. M.S. Mitchell, consultant for the city. At this meeting, a framework was established for the resolution of each issue of the appeal. Each issue of the appeal has subsequently been resolved as discussed at the meeting. The issues of the appeal and FEMA's response to each issue are presented in Enclosure 1.

This letter and the enclosed Revised Preliminary FIS resolve your appeal. You are provided 30 days from the receipt of this letter to review this resolution and, if applicable, submit any new scientific and/or technical data that refute the proposed BFEs shown in the Revised Preliminary FIS. If FEMA does not receive any new data refuting the proposed BFEs during this period, we will finalize the BFEs for the City of Wichita.

Should you have any questions regarding this matter, please do not hesitate to contact the Chief, Natural and Technological Hazards Division of FEMA, in Kansas City, Missouri, at (816) 374-2161 or Mr. James Walke of our Central Office staff in Washington, D.C., at (202) 646-2751.

Sincerely,

Brian R. Mrazik, Ph.D.
Assistant Administrator
Office of Risk Assessment
Federal Insurance Administration

Enclosures

cc: Mr. Michael E. Lindebak, City Engineer, City of Wichita
Mr. M.S. Mitchell

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Exhibit F

Enclosure 1

Panel 0005

Issue No. 1: The extent of the floodplain on Cowskin Creek west of 119th Street West should be modified.

Response: The 100-year floodplain has been revised based on the supporting data provided by the city. The floodway has also been revised based on the report entitled, "Analysis of Cowskin Creek Flood Plain Encroachment for Walnut Valley and Whistling Walk Estates, 4th Addition," and the HEC-2 floodway analysis prepared by Mr. Mitchell. Street alignments for the Cedar Park Chateaux subdivision have also been modified based on the supporting data provided by the city.

Issue No. 2: The extent of the floodplain on Westlink Tributary to Cowskin Creek should be revised.

Response: The 100-year floodplain has been revised based on the supporting data submitted by the city.

Panel 0010

Issue No. 1: A revised drainage area and the storage effects of two sandpits should be included in the FIS hydrologic analysis for Pleasant Valley Tributary.

Response: Flood discharges for the 10-, 50-, 100-, and 500-year floods on Pleasant Valley Tributary have been recomputed based on the supporting data provided by the city.

Issue No. 2: The extent of the floodplain and floodway for Pleasant Valley Tributary should be revised based on Issue No. 1.

Response: The 10-, 50-, 100-, and 500-year flood profiles and floodway have been revised based on a revised hydraulic analysis that utilized the revised discharges computed in response to Issue No. 1. The 100-year floodplain and floodway boundaries were revised based on the revised hydraulic analysis and the supporting data provided by the city.

Issue No. 3: The extent of the floodplain and floodway for Middle Branch Chisholm Creek east of Hydraulic Avenue should be revised.

Response: The 100-year floodplain and floodway were revised and new roads were added based on the supporting data provided by the city.

Issue No. 4: The extent of the floodplain and floodway on East Branch Chisholm Creek from Estelle Avenue to Hillside Avenue should be revised.

Response: The 100-year floodplain has been revised based on the supporting data provided by the city. No revisions to the floodway are warranted based on the supporting data provided by the city.

Issue No. 5: The location of the floodway and channel for East Branch Chisholm Creek north of 21st Street North at New York Avenue should be revised.

Response: The 100-year floodplain, floodway, and the stream channel have been relocated based on the supporting data provided by the city.

Issue No. 6: Additional streets should be added in the vicinity of the intersection of 39th Street and Arkansas Avenue. This issue was raised in the June 7, 1985, submittal from the City Engineer's Office.

Response: Streets have been added based on the supporting data provided by the city.

Panel 0015

Issue No. 1: The location of streets in Lost Acres subdivision should be revised.

Response: The location of streets in the Lost Acres subdivision has been revised based on the supporting data provided by the city.

Issue No. 2: The location of East Fork Chisholm Creek channel at Oliver Street should be revised.

Response: No revision to the location of the stream channel is warranted based on the supporting data provided by the city.

Issue No. 3: The extent of the floodplain and floodway for East Fork Chisholm Creek west of Pershing and north of 28th Street should be revised.

Response: The 100-year floodplain has been revised based on the supporting data provided by the city. No revisions to the floodway are warranted based on the supporting data provided by the city.

Issue No. 4: The location of the stream channel for East Fork Chisholm Creek Tributary No. 5 should be revised.

Response: The location of the stream channel and floodway have been revised based on the supporting data provided by the city.

Issue No. 5: The existence of an approximate floodplain for Middle Branch Chisholm Creek north of 21st Street North is questionable when a 100-foot wide floodway exists south of 21st Street North.

Response: The detailed study for Middle Branch Chisholm Creek ends at 21st Street North. Upstream of 21st Street North approximate study methods were utilized. No data were submitted that would warrant any changes in the study limits or the method of study utilized.

Issue No. 6: The floodway on West Branch Dry Creek north of 13th Street North should be removed.

Response: The floodway north of 13th Street North has been deleted and the 100-year floodplain has been redesignated as Zone B based on the size of the contributing drainage area (less than 1 square mile) and the supporting data provided by the city.

Issue No. 7: The extent of the floodway for East Fork Chisholm Creek east of Woodlawn Avenue should be revised. This issue was raised in a report for Brush Creek Addition prepared by Mr. Mitchell that was submitted by the City Engineer's office on June 26, 1985.

Response: The floodway and stream channel for East Fork Chisholm Creek and East Fork Chisholm Creek Tributary No. 7 have been revised based on the supporting data provided by the city. Streets were also added using the data provided by the city.

Panel 0020

Issue No. 1: The extent of the floodplain for Westlink Tributary to Cowskin Creek should be revised.

Response: The 100-year floodplain has been revised based on the supporting data provided by the city.

Issue No. 2: The extent of the floodplain for Big Slough North at Central Avenue and Winterset should be revised.

Response: The 100-year floodplain has been revised based on the supporting data provided by the city.

Issue No. 3: The extent of the floodplain and floodway for Cowskin Creek from Kellogg Avenue (U.S. 54) to 119th Street West should be revised.

Response: The floodway was revised from Kellogg Avenue (U.S. Route 54) to approximately 3,000 feet upstream and from Maize Road to cross section N based on the supporting data provided by the city. The floodway was also revised from Central Avenue to 119th Street West based on a report prepared by Mr. Mitchell for Timber Grove Addition. The 100-year floodplain was revised from Maize Road to Central Avenue based on the supporting data provided by the city. No other revisions to the floodway or floodplain are warranted based on the supporting data provided by the city.