

Follows Conditional Case No.: 08-08-0873R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Utah County Utah (Unincorporated Areas)	BRIDGE CULVERT LEVEE	BASE MAP CHANGES FLOODWAY HYDRAULIC ANALYSIS LEVEE CERTIFICATION NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 495517		
IDENTIFIER	Spanish Fork River Levee LOMR	APPROXIMATE LATITUDE & LONGITUDE: 40.080, -111.642 SOURCE: Precision Mapping Streets DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 4955170375A DATE: October 15, 1982		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 17, 2002 PROFILE(S): 24P, 25P, 26P FLOODWAY DATA TABLE: 3	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Spanish Fork River - Spanish Fork River from approximately 510 feet downstream of I-15 to approximately 787 feet upstream of Powerhouse Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Spanish Fork River	Zone A1-A30	Zone AE	YES	YES
	Zone A	Zone AE	YES	YES
	BFEs*	BFEs	YES	YES
	No BFEs	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 240, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

David N. Bascom, CFM, Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Spanish Fork River - Spanish Fork River from approximately 510 feet downstream of I-15 to approximately 7,615 feet upstream of 1100 East

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Spanish Fork River	No Floodway	Floodway	YES	NONE

* BFEs - Base Flood Elevations

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 240, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 490241 **Name:** City of Spanish Fork, Utah

AFFECTED MAP PANELS

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

TYPE: FIRM* NO.: 4902410025A DATE: February 19, 1986

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 19, 1986
PROFILE(S): 01P
FLOODWAY DATA TABLE: 3

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the base (1-percent-annual-chance) flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 240, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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David N. Bascom, CFM, Program Specialist
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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Jeanine D. Petterson
Director, Mitigation Division
Federal Emergency Management Agency, Region VIII
Denver Federal Center, Building 710
Post Office Box 25267
Denver, CO 80225-0267
(303) 235-4830

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

We are processing a FIRM and FIS report for Utah County, Utah, and its incorporated areas in our countywide format; therefore, we will not physically revise and republish the FIRM for your community to incorporate the modifications made by this LOMR at this time. At this point, it is unknown when the countywide FIRM and FIS report will become effective. Therefore, the modifications made by this LOMR will either be superseded when the countywide FIRM and FIS report become effective or will be incorporated into the countywide FIRM and FIS report before they become effective. If the modifications made by this LOMR are not incorporated into the countywide FIRM and FIS report, then we will reissue this LOMR after the effective date of the countywide FIRM and FIS report.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 240, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

PUBLIC NOTIFICATION OF REVISION

PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD 29)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Spanish Fork River	Just upstream of U.S. Interstate 15	4,565	4,558	4955170375A
	Approximately 7,615 feet upstream of 1100 East	NONE	4,673	4955170375A

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. A short notice also will be published in your local newspaper on or about the dates listed below. Please refer to FEMA's website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp for a more detailed description of proposed BFE changes, which will be posted approximately within a week of the date of this letter.

LOCAL NEWSPAPER Name: *The Daily Herald*
Dates: 10/08/2010 and 10/15/2010

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 240, Hanover, MD 21076. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
						FEET (NGVD)		
Spanish Fork River								
A	299	284	1,304	2.9	4,559.2	4,559.2	4,559.2	0.0
B	1,649	174	1,076	3.5	4,562.9	4,562.9	4,563.8	0.9
C	4,305	92	565	6.6	4,571.0	4,571.0	4,571.1	0.1
D	5,644	176	853	4.4	4,574.6	4,574.6	4,575.0	0.4
E	7,582	217	1,042	4.7	4,580.2	4,580.2	4,580.2	0.0
F	8,865	85	581	6.5	4,585.9	4,585.9	4,586.0	0.1
G	10,110	150	861	4.4	4,590.7	4,590.7	4,591.3	0.6
H	12,041	76	480	7.8	4,596.2	4,596.2	4,596.2	0.0
I	14,470	481	1,273	3.0	4,604.7	4,604.7	4,605.6	0.9
J	17,343	419	1,010	3.7	4,613.9	4,613.9	4,614.8	0.9
K	21,391	494	1,010	3.7	4,630.5	4,630.5	4,631.4	0.9
L	23,380	126	699	5.4	4,639.2	4,639.2	4,639.8	0.6
M	26,471	97	643	5.8	4,654.0	4,654.0	4,654.2	0.2
N	29,313	133	773	5.8	4,667.0	4,667.0	4,667.3	0.3

**REVISED TO
REFLECT LOMR
EFFECTIVE: February 14, 2011**

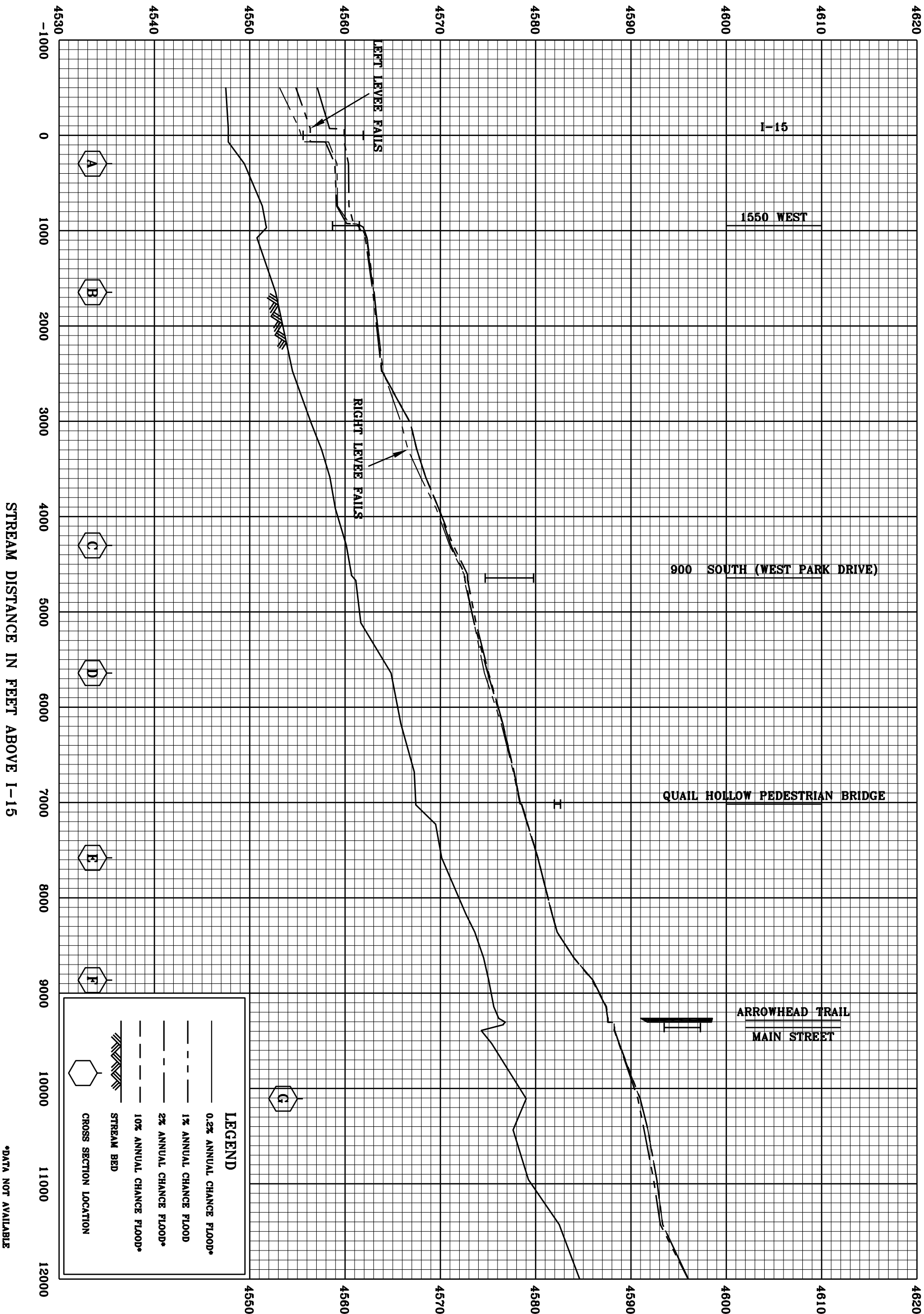
¹ Stream distance in feet above I-15.

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY
UTAH COUNTY, UT
(UNINCORPORATED AREAS)

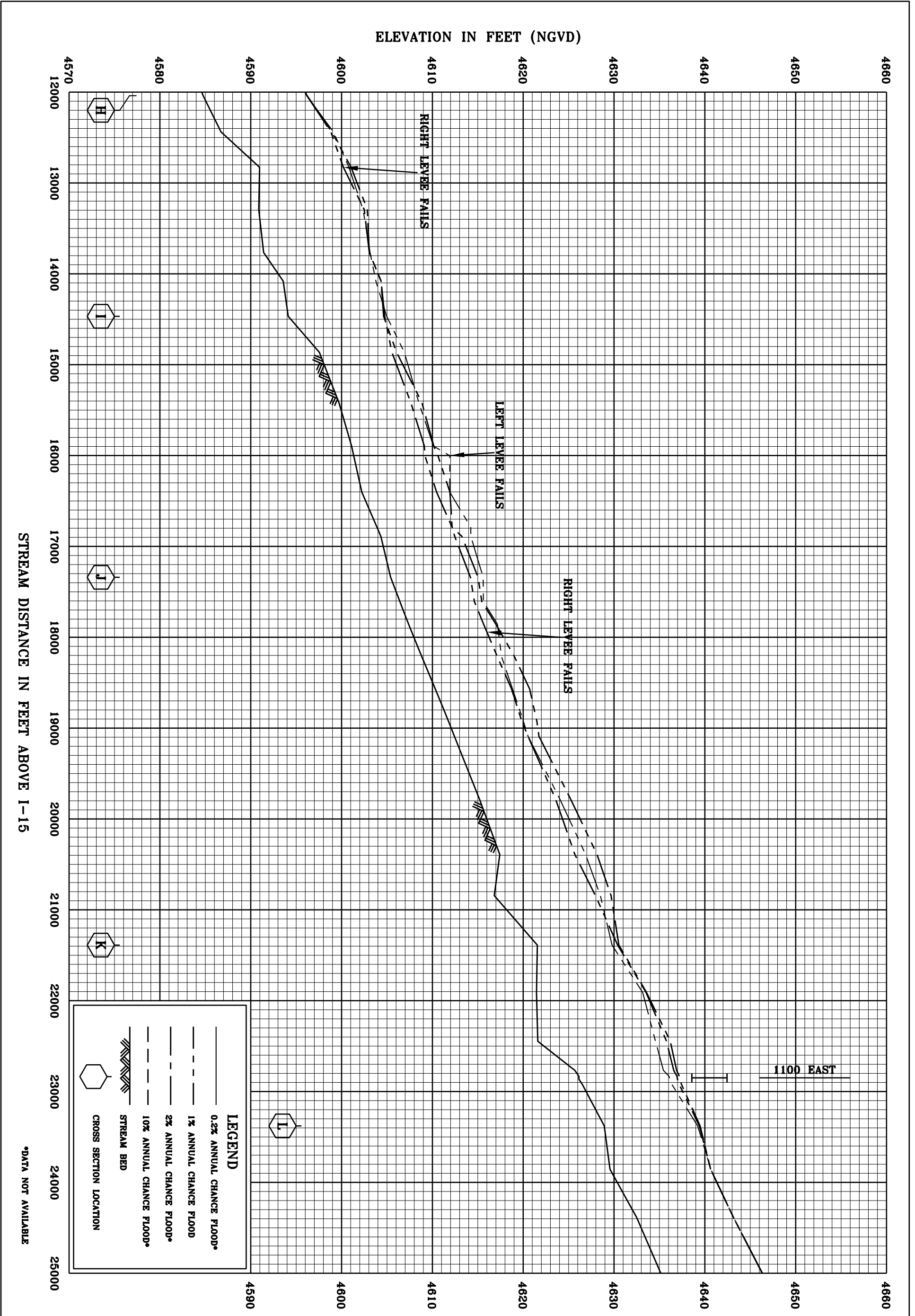
FLOODWAY DATA
SPANISH FORK RIVER

ELEVATION IN FEET (NGVD)

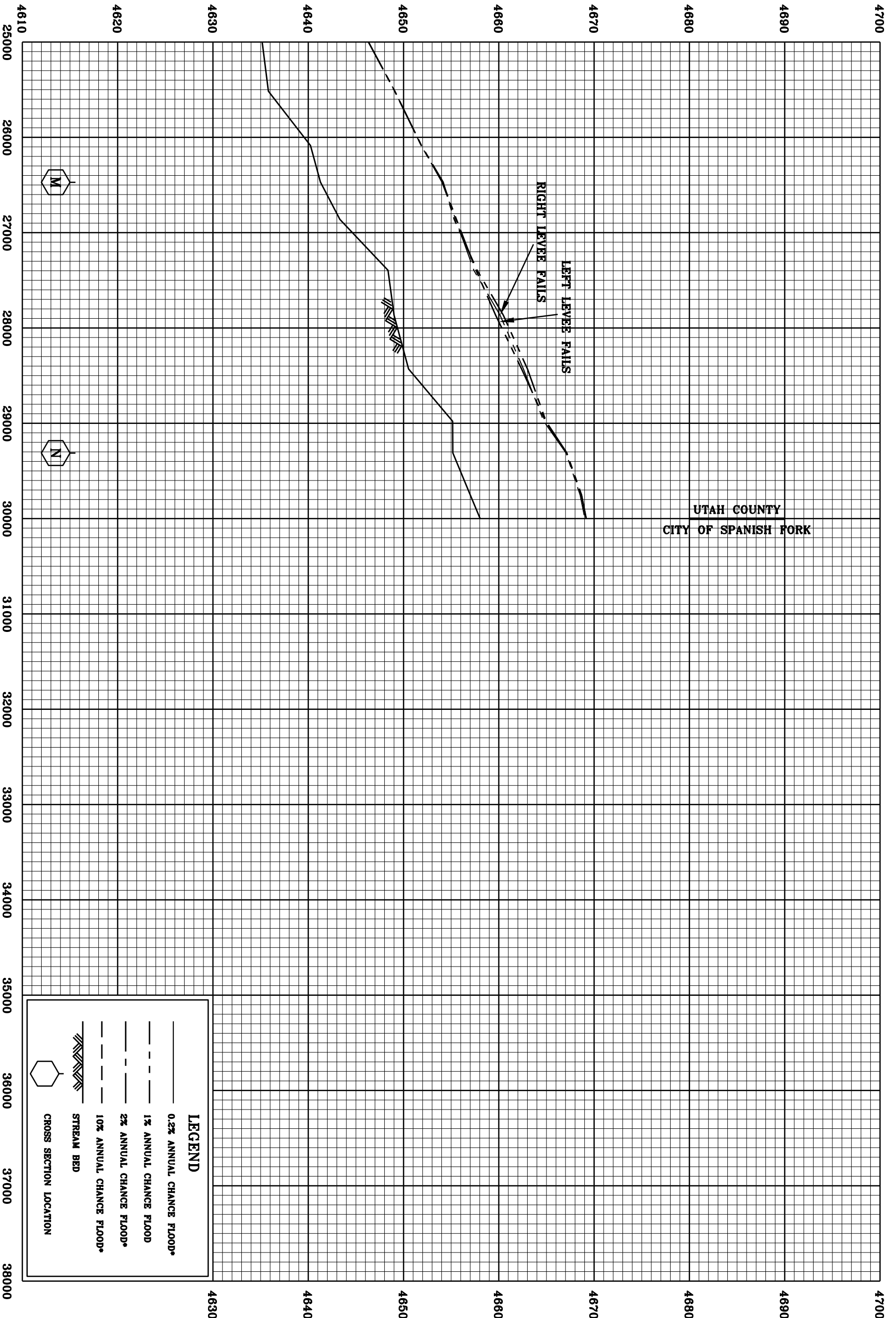


FEDERAL EMERGENCY MANAGEMENT AGENCY
 UTAH COUNTY, UT
 (UNINCORPORATED AREAS)

FLOOD PROFILES
 REVISED TO
 REFLECT LOMR
 EFFECTIVE: February 14, 2011 SPANISH FORK RIVER



ELEVATION IN FEET (NGVD)



LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- - - 1% ANNUAL CHANCE FLOOD
- - - 2% ANNUAL CHANCE FLOOD*
- - - 10% ANNUAL CHANCE FLOOD*
- ▬▬▬ STREAM BED
- ◡ CROSS SECTION LOCATION

STREAM DISTANCE IN FEET ABOVE I-15

*DATA NOT AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY
 UTAH COUNTY, UT
 (UNINCORPORATED AREAS)

FLOOD PROFILES
 REVISED TO
 REFLECT LOMR
 EFFECTIVE: February 14, 2011 SPANISH FORK RIVER

Warning! This area is shown as being protected from the 1-percent-annual-chance flood hazard by levee, dike, or other structure. Overtopping or failure of this structure is possible, which could result in destructive flood elevations and high velocity floodwaters. There is a chance that large floods will occur that are greater than the level of protection provided by the levee. Communities should issue evacuation plans and encourage property owners behind these structures to purchase flood insurance even if the structure is currently shown as providing protection from the 1-percent-annual-chance flood.

1% Annual Chance Contained in Culvert Bridge

Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

UTAH COUNTY, UTAH
(UNINCORPORATED AREAS)

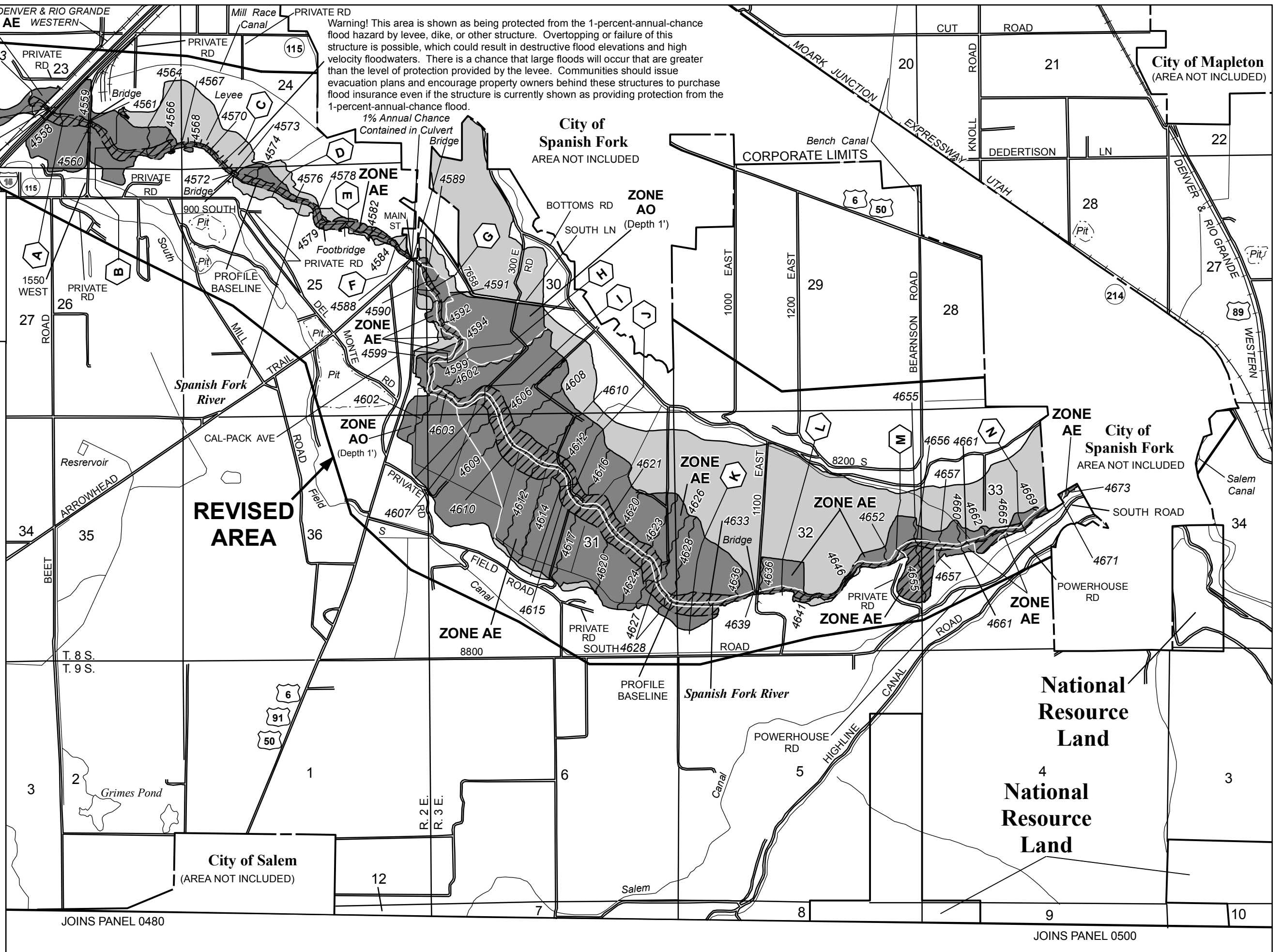
PANEL 375 OF 725
(SEE MAP INDEX FOR PANELS NOT PRINTED)

REVISED TO REFLECT LOMR
EFFECTIVE: February 14, 2011

COMMUNITY-PANEL NUMBER
495517 0375 A

EFFECTIVE DATE:
OCTOBER 15, 1982

Federal Emergency Management Agency



JOINS PANEL 0480

JOINS PANEL 0500