

Follows Conditional Case No.: 05-08-0081R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Thornton Adams County Colorado	CULVERT DETENTION BASIN EXCAVATION FILL	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 080007		
IDENTIFIER	Villages North Subdivision Filing No. 5	APPROXIMATE LATITUDE & LONGITUDE: 39.868, -104.954 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 08001C0602 H DATE: March 5, 2007		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 5, 2007 PROFILE(S): 02P - 05P FLOODWAY DATA TABLE: 4	

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)

Basin 4100 - from approximately 310 feet downstream of the Union Pacific Railroad to approximately 330 feet upstream of Thornton Parkway

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Basin 4100	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES

* 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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Beth A. Norton, CFM, Program Specialist
Engineering Management Branch
Mitigation Directorate



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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 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist 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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. 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)**

This revision has met our criteria for removing an area from the 1-percent-annual-chance floodplain to reflect the placement of fill. However, we encourage you to require that the lowest adjacent grade and lowest floor (including basement) of any structure placed within the subject area be elevated to or above the Base (1-percent-annual-chance) Flood Elevation.

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
P.O. 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.

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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. 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 NAVD 88)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Basin 4100	Just downstream of the Union Pacific Railroad	5,145	5,146	08001C0602 H
	Approximately 670 feet downstream of Thornton Parkway	5,209	5,220	08001C0602 H

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 within a week of the date of this letter.

LOCAL NEWSPAPER

Name: *Northglenn-Thornton Sentinel*

Dates: 02/21/2008 and 02/28/2008

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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. 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 (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BASIN 4100								
A	1,260	50	50	7.0	5,094.5	5,094.5	5,094.5	0.0
B	1,675	50	98	3.6	5,102.6	5,102.6	5,102.6	0.0
C	2,080	80	52	6.2	5,104.6	5,104.6	5,104.6	0.0
D	3,000	60	159	2.0	5,108.0	5,108.0	5,108.0	0.0
E	3,150	60	117	2.4	5,108.7	5,108.7	5,108.7	0.0
F	3,270	60	197	1.4	5,111.7	5,111.7	5,111.7	0.0
G	4,180	140	77	3.1	5,129.1	5,129.1	5,129.1	0.0
H	4,760	20	35	6.8	5,138.8	5,138.8	5,139.1	0.3
I	4,800	10	31	7.8	5,139.2	5,139.2	5,139.5	0.3
J	5,246	33	38	6.2	5,146.2	5,146.2	5,146.2	0.0
K	5,482	1061	9,030	0.2	5,164.3	5,164.3	5,164.3	0.0
L	6,499	125	418	1.6	5,164.5	5,164.5	5,164.5	0.0
M	6,946	54	92	7.3	5,170.0	5,170.0	5,170.0	0.0
N	7,408	120	211	3.2	5,175.2	5,175.2	5,175.2	0.0
O	7,702	41	236	8.0	5,180.2	5,180.2	5,180.2	0.0
P	8,131	59	103	6.5	5,185.9	5,185.9	5,186.1	0.2
Q	8,400	74	300	0.8	5,192.8	5,192.8	5,192.8	0.0
R	8,725	59	47	5.1	5,206.4	5,206.4	5,206.4	0.0
S	9,226	214	539	0.4	5,220.7	5,220.7	5,220.7	0.0
T	9,780	51	365	0.6	5,222.6	5,222.6	5,222.6	0.0
REVISED AREA								

¹ Feet Above Mouth

REVISED TO REFLECT LOMP

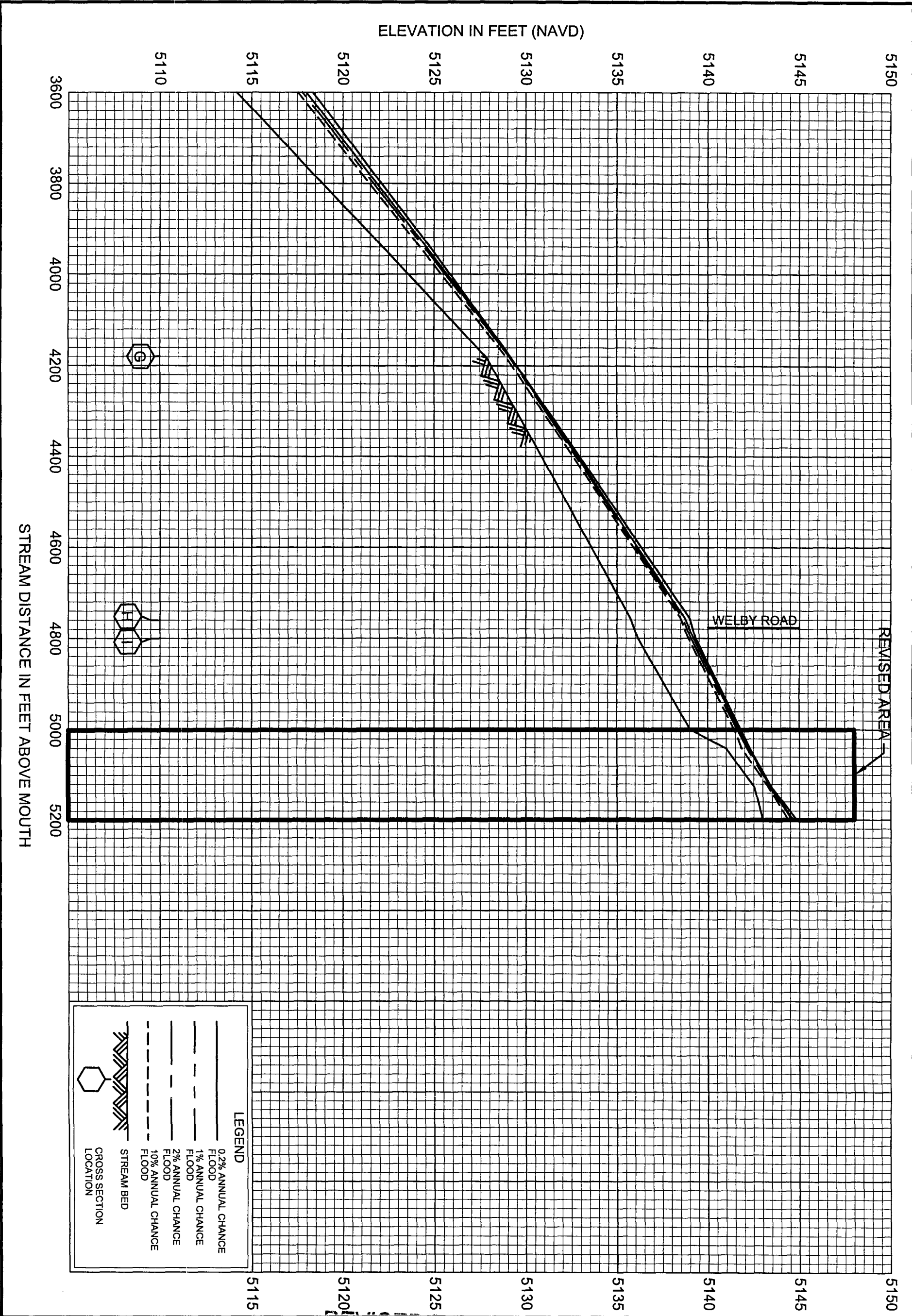
FLOODWAY DATA

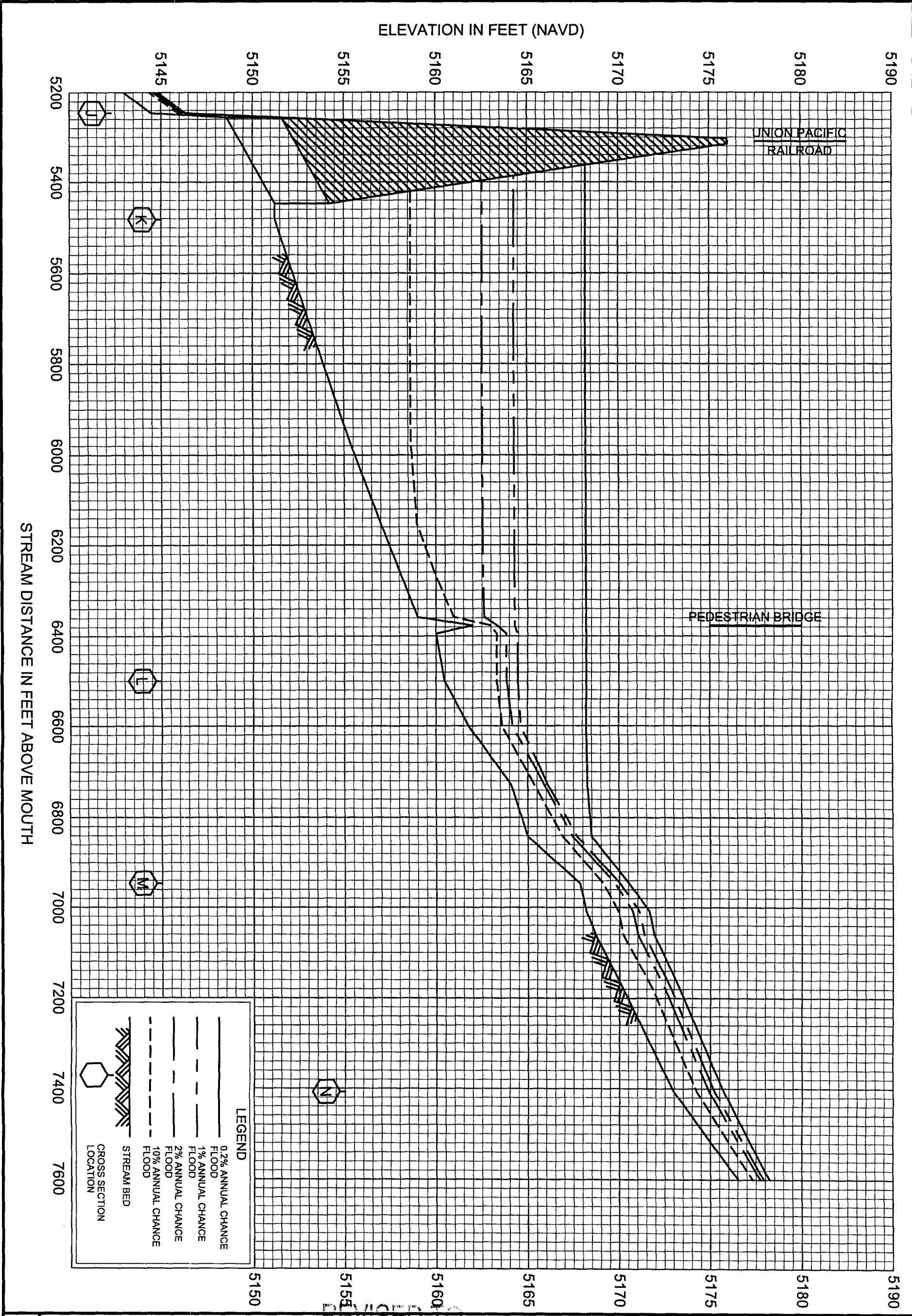
FEDERAL EMERGENCY MANAGEMENT AGENCY
ADAMS COUNTY, CO
 (And Incorporated Areas)

EFFECTIVE JUN 27 2008

BASIN 4100

T A B L E 4





FEDERAL EMERGENCY MANAGEMENT AGENCY

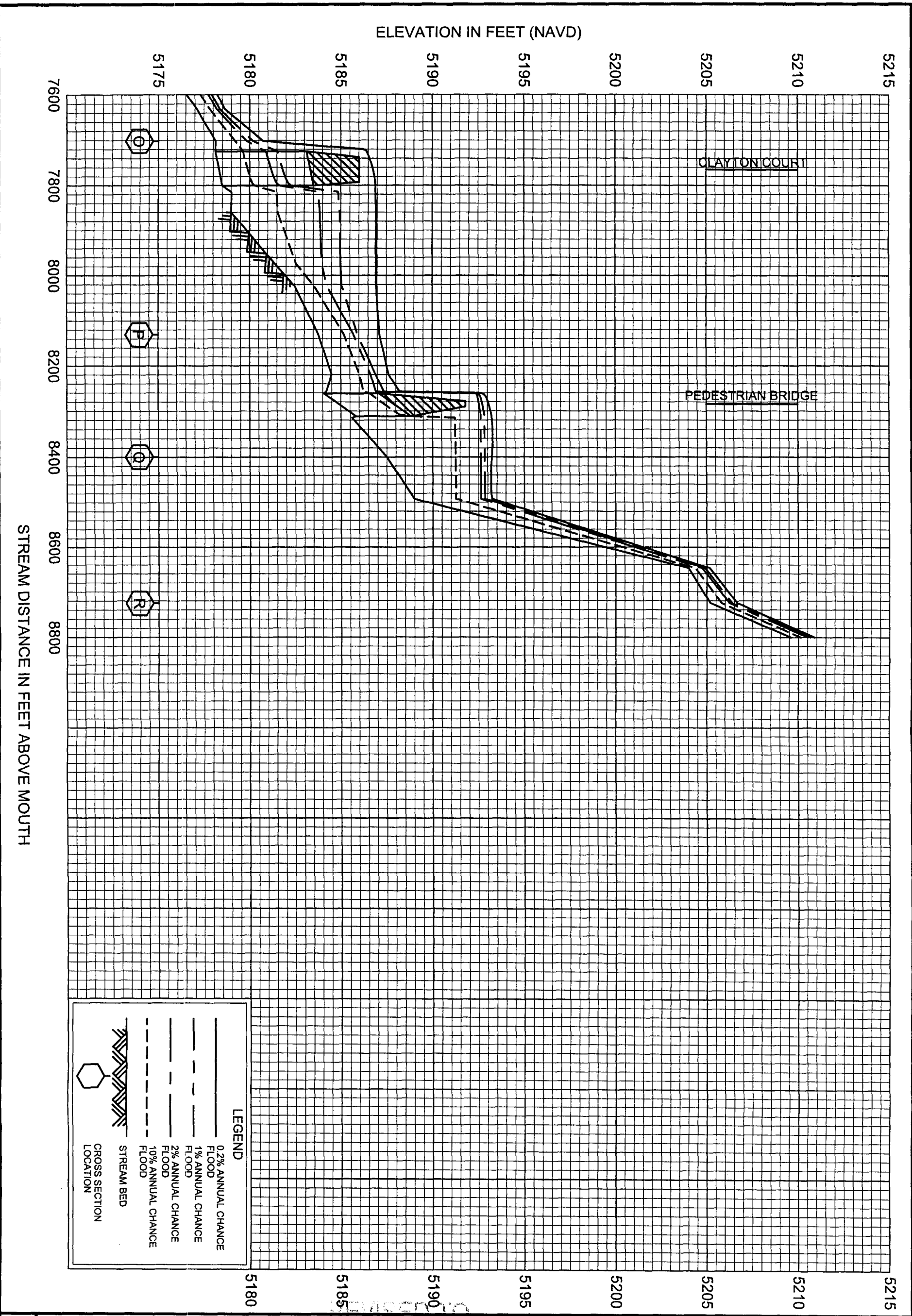
ADAMS COUNTY, CO
AND INCORPORATED AREAS

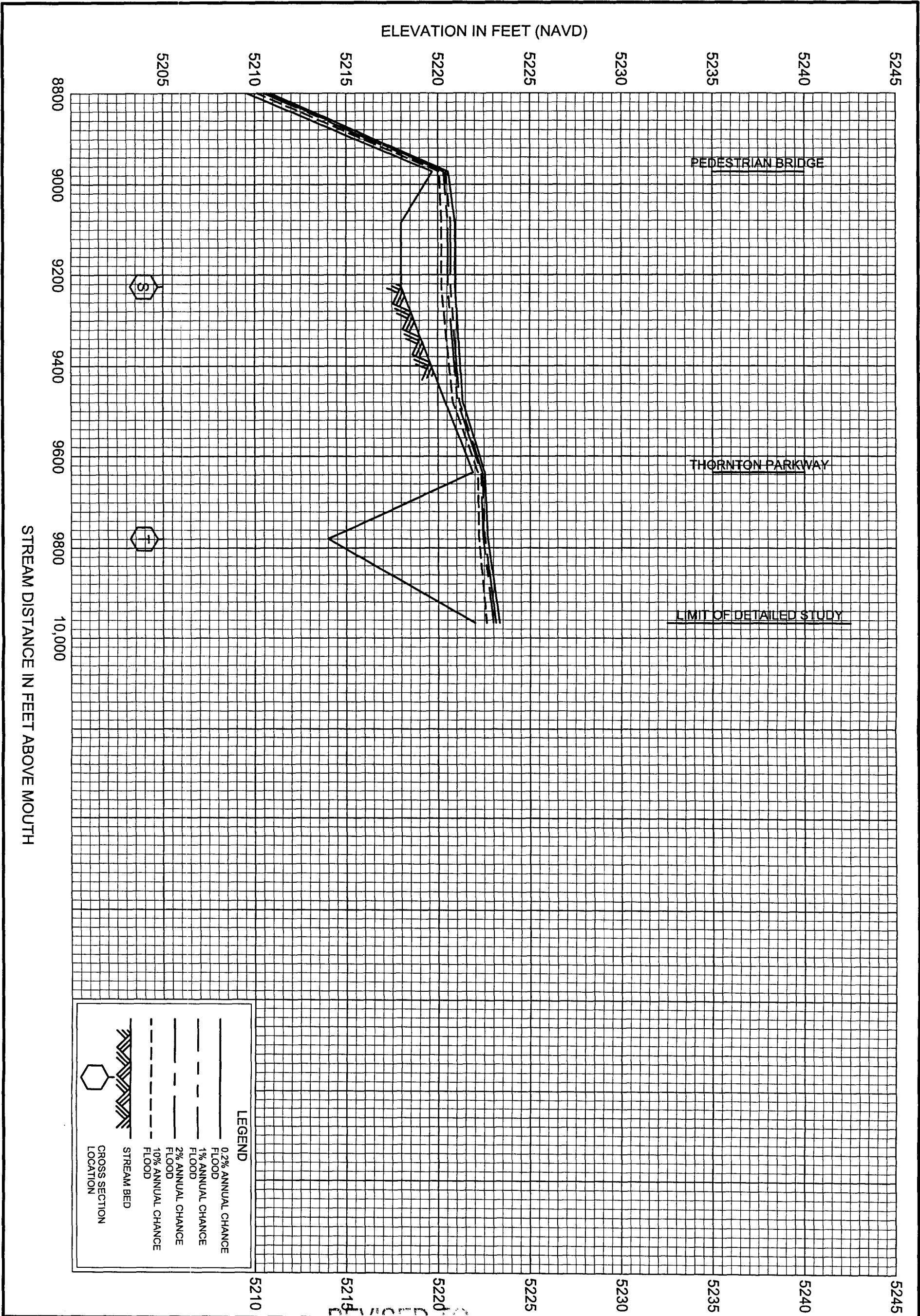
FLOOD PROFILES

BASIN 4100

003P

REVIEWED TO
REFLECT IOM
EFFECTIVE JUN 27 2008





FEDERAL EMERGENCY MANAGEMENT AGENCY

ADAMS COUNTY, CO
AND INCORPORATED AREAS

FLOOD PROFILES

BASIN 4100

005P

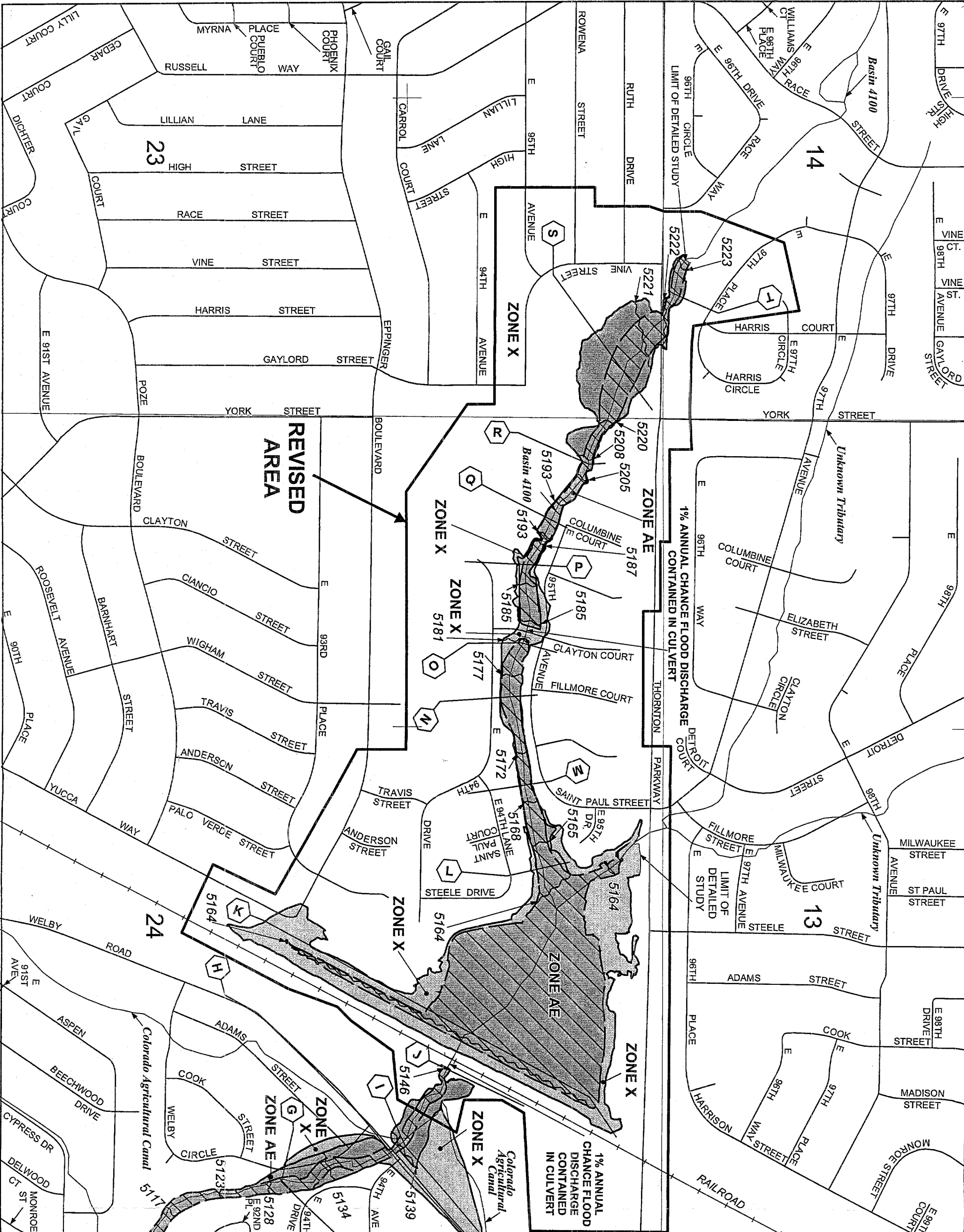
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5 03 000m E

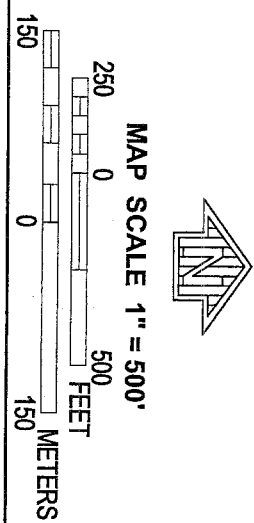
5 04 000m E

JOINS PANEL 0314

5 05 000m E



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



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

ADAMS COUNTY,
COLORADO
AND INCORPORATED AREAS

PANEL 602 OF 1150
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

REVISION

EFFECTIVE JUN 27 2008

MAP NUMBER
08001C0602H

EFFECTIVE DATE
MARCH 5, 2007

Federal Emergency Management Agency

PANEL 0602H

NUMBER PANEL SUFFIX
0602 H