



Federal Emergency Management Agency

Washington, D.C. 20472

MAR 25 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Lionel Rivera
Mayor, City of Colorado Springs
P.O. Box 1575
Colorado Springs, CO 80901

IN REPLY REFER TO:

Case No.: 07-08-0678P
Community Name: City of Colorado Springs, CO
Community No.: 080060
Effective Date of
This Revision: MAR 25 2008

Dear Mayor Rivera:

The Flood Insurance Study report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Denver, Colorado, at (303) 235-4830, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,

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

For: William R. Blanton Jr., CFM, Chief
Engineering Management Branch
Mitigation Directorate

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: (See attached list)

List of Courtesy Copies

Mr. Phil Wuthier, CFM
Regional Floodplain Coordinator
Pikes Peak Regional Building Department

[REDACTED]

Colorado Springs Utilities

[REDACTED]

Senior Engineer
MWH

[REDACTED]

MWH

[REDACTED]

MWH



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Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Colorado Springs El Paso County Colorado	WEIR STRUCTURE	HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 080060		
IDENTIFIER	Northern Water Reclamation Facility	APPROXIMATE LATITUDE & LONGITUDE: 38.897, -104.820 SOURCE: Other DATUM: NAD 27	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 08041C0514 F DATE: March 17, 1997		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 23, 1999 PROFILE(S): 146P FLOODWAY DATA TABLE: 5	

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)

Monument Creek - from approximately 3,820 feet downstream of Garden of the Gods Road to just downstream

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Monument Creek	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

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

112553 10.3.1.07080678

102-I-A-C



Federal Emergency Management Agency

Washington, D.C. 20472

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 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 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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102-I-A-C



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Washington, D.C. 20472

**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
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 NGVD 29)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Monument Creek	Approximately 3,450 feet downstream of Garden of the Gods Road	6,132	6,133	08041C0514 F
	Approximately 40 feet downstream of Garden of the Gods Road	6,159	6,158	08041C0514 F

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. This revision is effective as of the date of this letter. However, until the 90-day period has elapsed, 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: *El Paso County News*

Dates: 04/02/2008 04/09/2008

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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Engineering Management Branch
Mitigation Directorate

112553 10.3.1.07080678

102-I-A-C

DEPARTMENT OF HOMELAND SECURITY

FEDERAL EMERGENCY MANAGEMENT AGENCY

Proposed Base Flood Elevation Determination for (City of Colorado Springs, El Paso County, Colorado, and Case No. 07-08-0678P) The Department of Homeland Security's Federal Emergency Management Agency solicits technical information or comments on the proposed Base (1-percent-annual-chance) Flood Elevations (BFEs) shown in the Flood Insurance Study (FIS) and/or on the Flood Insurance Rate Map (FIRM) for your community. These proposed BFEs are the basis for the floodplain management measures that your community is required to either adopt or show evidence of having in effect in order to qualify or remain qualified for participation in the National Flood Insurance Program (NFIP). For a detailed listing of the proposed BFEs and information on the statutory period provided for appeals, please visit FEMA's website at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp, or call the FEMA Map Assistance Center toll free at 1-877-FEMA MAP.

[Download RTF Table](#)

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

Changes to Base Flood Elevations Determinations

AGENCY: Federal Emergency Management Agency (FEMA), Department of Homeland Security.

SUMMARY: On March 17, 1997, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the City of Colorado Springs, El Paso County, Colorado, through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Directorate has determined that modification of the Base (1-percent-annual-chance) Flood Elevations (BFEs) for certain locations in this community is appropriate.

DATES: Upon the second publication of notice of these changes in a newspaper of local circulation in your community, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Directorate reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Mitigation Directorate's determination to modify the BFEs may itself be changed.

ADDRESSES: Any person having knowledge or wishing to comment on these changes should immediately notify:

City of Colorado Springs
The Honorable Lionel Rivera
Mayor, City of Colorado Springs
P.O. Box 1575
Colorado Springs, CO 80901

FOR FURTHER INFORMATION CONTACT: William R. Blanton, Jr., CFM, Chief, Engineering Management Branch, Mitigation Directorate, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, (202) 646-2903.

SUPPLEMENTARY INFORMATION: A hydraulic analysis was performed to incorporate three grade control structures that were built and has resulted in a revised delineation of the regulatory floodway, an increase in SFHA width, a decrease in SFHA width, increased BFEs and decreased BFEs for Monument Creek. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source(s) cited above.

* Elevation in feet (NGVD)¹

+ Elevation in feet (NAVD)²

Depth in feet above
ground³

Source of Flooding	Location	^ Elevation in meters (MSL) ⁴		Existing BFE	Modified BFE	Affected Communities
		Lat/Long Coordinates				
Monument Creek						City of Colorado Springs
	Approximately 3,450 feet downstream of Garden of the Gods Road	38° 53' 49.82" / - 104° 49' 11.11"		* 6132	* 6133	
	Approximately 40 feet downstream of Garden of the Gods Road	38° 53' 24.81" / - 104° 49' 26.59"		* 6159	* 6158	

All elevations referenced to the National Geodetic Vertical Datum of 1929 (NGVD).

¹National Geodetic Vertical Datum, rounded to nearest whole foot

²North American Vertical Datum, rounded to nearest whole foot

³Depth in feet above ground, rounded to nearest whole foot

⁴Mean Sea Level, rounded to the nearest 0.1 meter

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Directorate must develop criteria for floodplain management. To participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Last Updated: Tuesday, March 18, 2008

FEMA 500 C Street, SW Washington, D.C. 20472 Phone: (202) 566-1600

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
Monument Creek (Cont'd)	15,870	140	1,806	17.7	6,062.0	6,062.0	6,062.0	0.0
	15,900	130	2,002	16.0	6,063.0	6,063.0	6,063.1	0.1
	15,940	130	2,100	15.2	6,063.8	6,063.8	6,063.9	0.1
	16,710	180	1,815	17.6	6,070.9	6,070.9	6,070.9	0.0
	17,530	200	2,272	14.1	6,074.8	6,074.8	6,074.8	0.0
	18,240	370	2,338	13.7	6,083.3	6,083.3	6,084.1	0.8
	18,270	370	2,675	12.0	6,086.6	6,086.6	6,086.6	0.0
	19,090	310	3,897	8.2	6,086.6	6,086.6	6,087.1	0.5
	19,660	150	2,005	16.0	6,086.6	6,086.6	6,086.7	0.1
	19,730	150	2,221	14.4	6,088.8	6,088.8	6,088.8	0.0
	20,340	200	1,868	17.3	6,090.9	6,090.9	6,090.9	0.0
	21,940	150	2,033	15.7	6,099.8	6,099.8	6,100.2	0.4
	23,860	200	1,945	16.5	6,110.5	6,110.5	6,110.5	0.0
	25,550	230	2,203	14.5	6,121.3	6,121.3	6,121.4	0.1
	27,160	230	2,123	14.6	6,131.2	6,131.2	6,131.2	0.0
	28,908	263	3,283	9.4	6,149.1	6,149.1	6,149.1	0.0
	29,692	253	2,827	11.0	6,151.0	6,151.0	6,151.0	0.0
	30,711	106	1,463	21.2	6,158.6	6,158.6	6,158.6	0.0
	30,758	110	1,822	17.0	6,161.9	6,161.9	6,161.9	0.0
	31,788	220	2,991	10.4	6,166.5	6,166.5	6,166.5	0.0
	32,840	261	3,200	9.7	6,168.3	6,168.3	6,168.8	0.5
	33,822	230	1,995	15.9	6,177.2	6,177.2	6,177.2	0.0
	34,652	220	1,974	15.7	6,184.8	6,184.8	6,184.8	0.0
	36,110	180	1,872	16.6	6,192.9	6,192.9	6,193.0	0.1
	37,490	400	4,407	7.0	6,200.8	6,200.8	6,201.0	0.2
	38,110	290	2,332	13.3	6,200.8	6,200.8	6,200.9	0.1

Revised
Data

Revised
by LOMR
#07-08-0679P

¹Feet Above Confluence With Fountain Creek

DESIGNED TO

FEDERAL EMERGENCY MANAGEMENT AGENCY

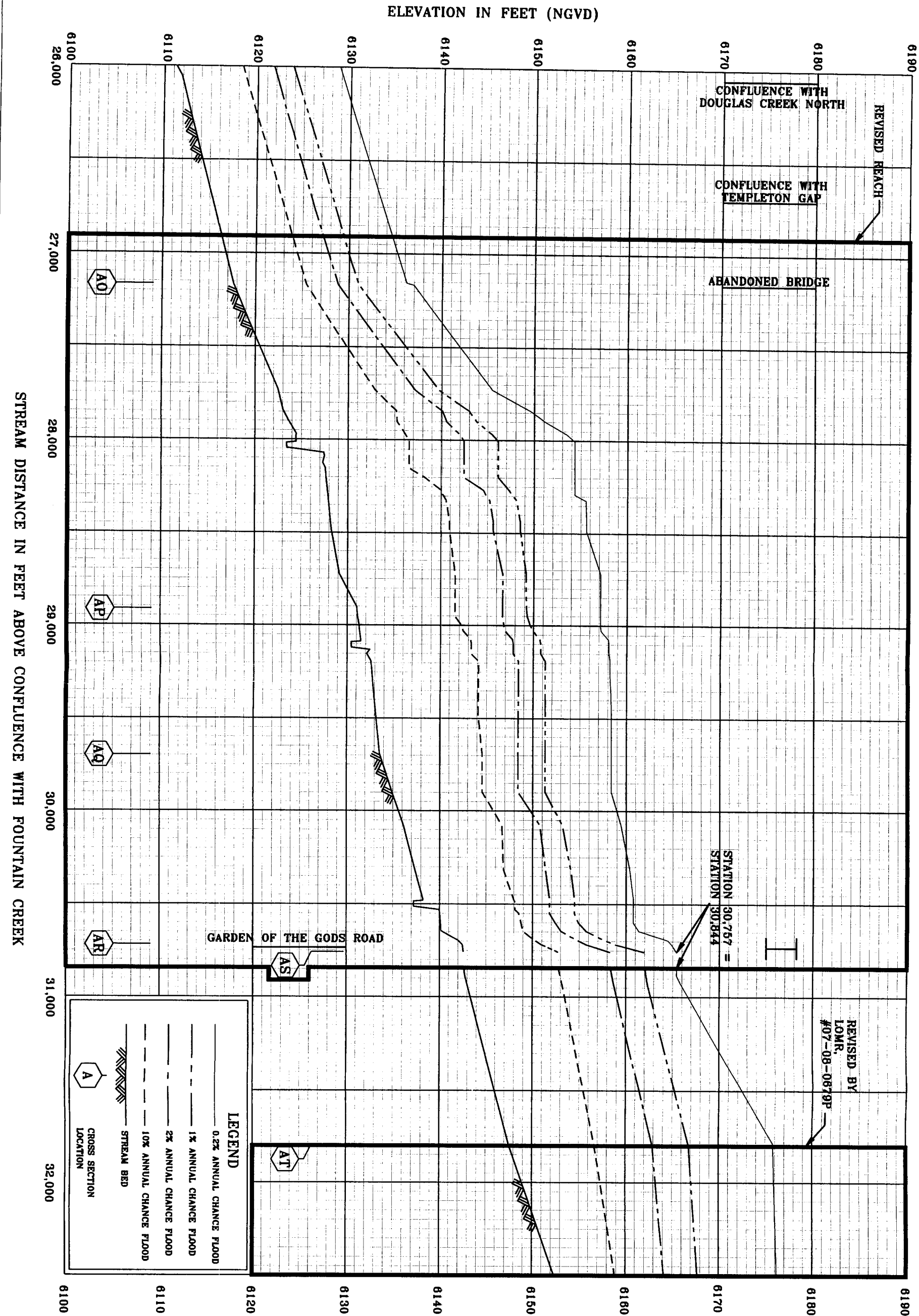
REFLECT LOMR

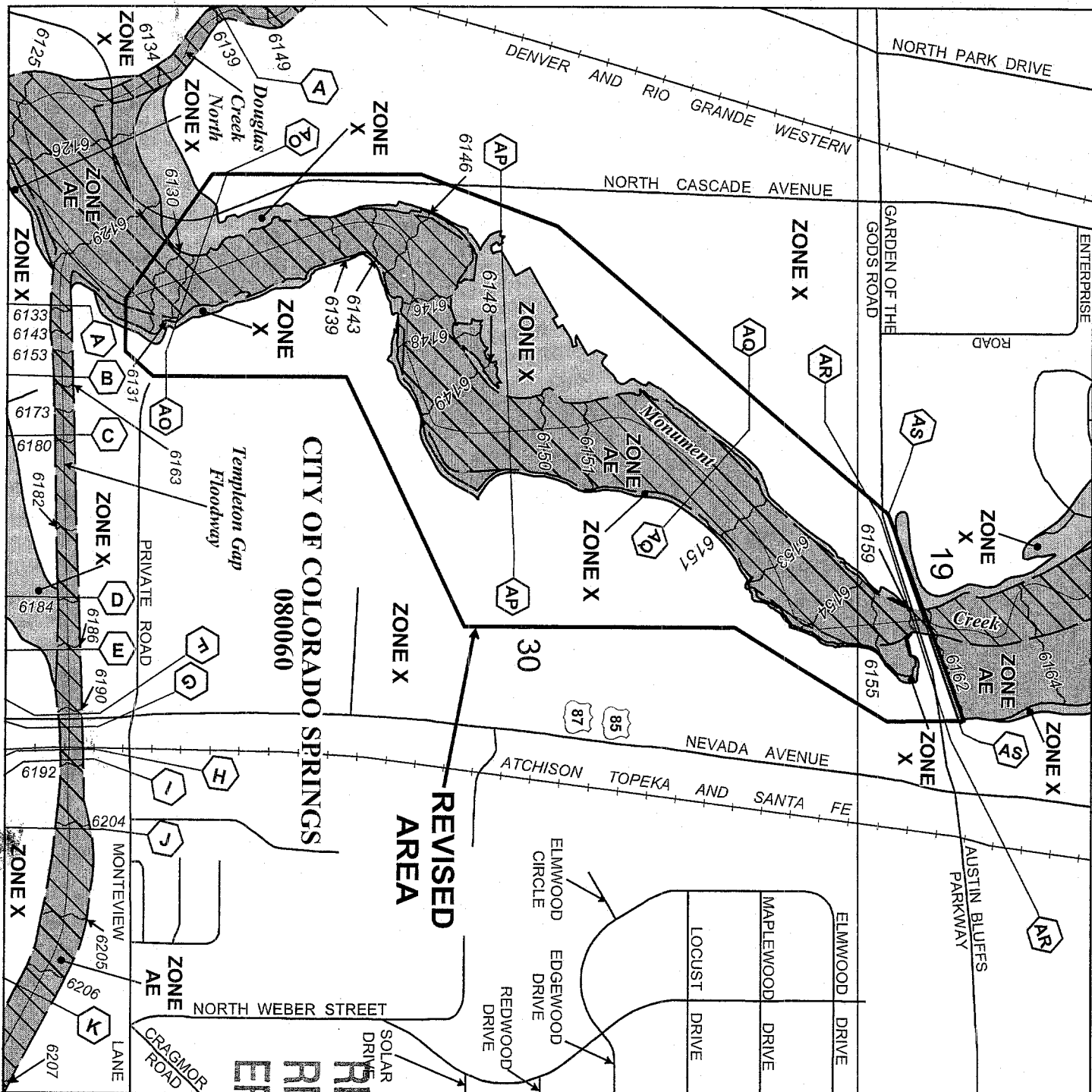
FLOODWAY DATA

EL PASO COUNTY, CO
AND INCORPORATED AREAS

EFFECTIVE MAR 25 2008

MONUMENT CREEK





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



APPROXIMATE SCALE IN FEET

500 250 0 500 Feet

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

EL PASO COUNTY,
COLORADO AND
INCORPORATED AREAS

PANEL 514 OF 1300

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY NUMBER/PANEL SUFFIX

REVISIED TO REFLECT LOMR

EFFECTIVE MAR 25 2008

MAP NUMBER
08041C0514 F

EFFECTIVE DATE:
MARCH 17, 1997

Federal Emergency Management Agency