



# 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 Albuquerque Bernalillo County New Mexico	CHANNELIZATION STORM DRAIN	HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 350002		
IDENTIFIER	Vista Vieja Subdivision And Sad 227	APPROXIMATE LATITUDE & LONGITUDE: 35.158, -106.726 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 35001C0111 G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0113 G DATE: September 26, 2008		DATE OF EFFECTIVE FLOOD INSURANCE STUDY REPORT: September 26, 2008 PROFILE(S): 36P AND 37P FLOODWAY DATA TABLE: 13	

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

Boca Negra Arroyo Overflows - from approximately 500 feet northwest of the intersection of 81st NW and Amethyst Drive to approximately 400 feet west of that intersection

Middle Tributary of the Boca Negra Arroyo - from approximately 50 feet upstream of Rim Rock drive to approximately 3,800 feet upstream of 81st NW

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Boca Negra Arroyo Overflows	Zone X (unshaded)	Zone A	YES	NONE
	Zone X (unshaded)	Zone A	YES	NONE
Middle Tributary of the Boca Negra Arroyo	Zone AE	Contained	NONE	YES
	Zone X (unshaded)	Zone A	YES	NONE

### 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 LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Michael J. McGinn, Program Specialist  
Engineering Management Branch  
Mitigation Directorate



Federal Emergency Management Agency  
Washington, D.C. 20472

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

**COMMUNITY INFORMATION (CONTINUED)**

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCE(S) & REVISED REACH(ES)**

Southern Tributary of Boca Negra Arroyo - from just upstream of the confluence with Middle Tributary of the Boca Negra Arroyo to approximately 1,500 feet upstream

**SUMMARY OF REVISIONS**

<b>Flooding Source</b>	<b>Effective Flooding</b>	<b>Revised Flooding</b>	<b>Increases</b>	<b>Decreases</b>
Southern Tributary of Boca Negra Arroyo	Zone A	Zone A	YES	YES
	Zone A	Contained	NONE	YES

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 LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. 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)

### 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.

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 LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Michael J. McGinn, Program Specialist  
Engineering Management Branch  
Mitigation Directorate



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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:

Mr. Frank Pagano  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VI  
Federal Regional Center, Room 206  
800 North Loop 288  
Denton, TX 76209  
(940) 898-5127

### 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 LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. 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)**

**COMMUNITY INFORMATION (CONTINUED)**

This revision will become effective 30 days from the date of this letter. Any requests to review or alter this determination should be made within 30 days and must be based on scientific or technical data.

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 LOMC Clearinghouse, 6730 Santa Barbara Court, Elkridge, MD 21075. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Mitigation Directorate

FLOODING SOURCE		FLOODWAY			1 - PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION (NAVD)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY <sup>2</sup>	WITHOUT FLOODWAY <sup>2</sup>	WITH FLOODWAY <sup>2</sup>	INCREASE <sup>2</sup>
MIDDLE TRIBUTARY OF THE BOCA NEGRA ARROYO								
A	1,680	23.5	71.4	10.0	5,295.3	5,295.3	5,295.3	0.0
B	1,903	111.5	107.1	5.6	5,312.0	5,312.0	5,312.0	0.0
C	2,496	129.2	143.5	4.2	5,319.0	5,319.0	5,319.0	0.0
D	3,001	268.0	153.5	3.9	5,325.1	5,325.1	5,325.1	0.0
E	3,481	340.1	169.3	3.6	5,333.7	5,333.7	5,333.7	0.0
F	3,974	270.7	157.0	3.9	5,341.7	5,341.7	5,341.7	0.0
G	4,452	346.2	156.5	3.9	5,351.4	5,351.4	5,351.4	0.0
H	4,993	465.1	183.5	3.3	5,363.2	5,363.2	5,363.2	0.0
I	5,591	503.8	211.5	2.9	5,372.1	5,372.1	5,372.1	0.0
J	5,928	182.8	125.2	4.8	5,378.4	5,378.4	5,378.4	0.0
K	6,374	325.0	177.4	3.4	5,385.3	5,385.3	5,385.3	0.0
L	6,748	96.3	102.2	5.9	5,392.1	5,392.1	5,392.1	0.0
M	7,165	53.9	84.2	7.2	5,399.0	5,399.0	5,399.0	0.0
N	7,681	113.6	106.4	5.7	5,414.5	5,414.5	5,414.5	0.0
O	8,206	47.1	80.3	7.5	5,427.5	5,427.5	5,427.5	0.0
P	8,461	94.8	109.1	5.5	5,439.5	5,439.5	5,439.5	0.0
Q	8,944	57.0	86.3	7.0	5,455.4	5,455.4	5,455.4	0.0

REVISED AREA

REVISED TO  
REFLECT LOMR  
EFFECTIVE: **March 25, 2010**

<sup>1</sup> Feet above confluence with Boca Negra Arroyo

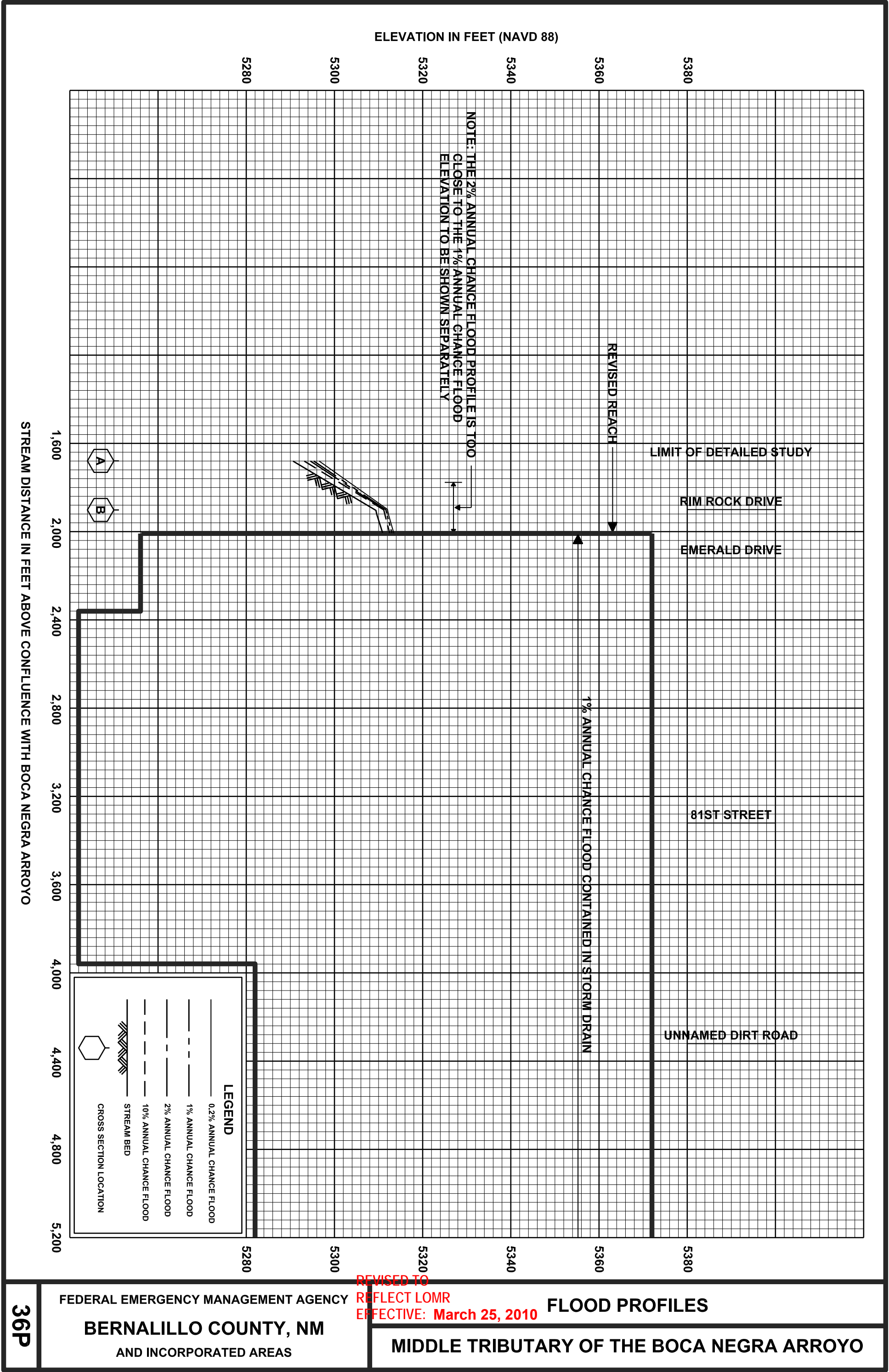
<sup>2</sup> Floodway coincident with floodplain

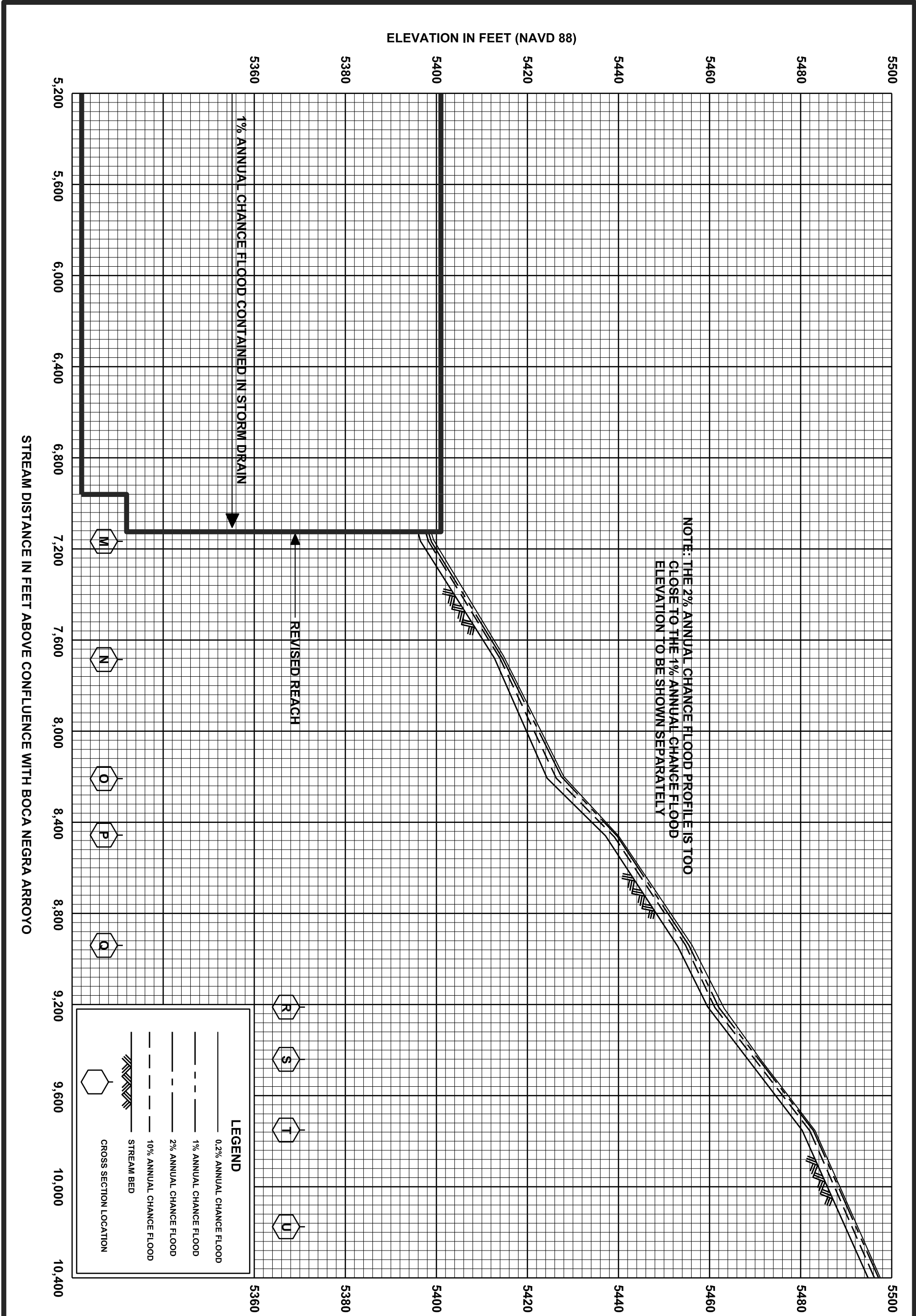
TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**BERNALILLO COUNTY, NM**  
**AND INCORPORATED AREAS**

FLOODWAY DATA

**MIDDLE TRIBUTARY OF THE BOCA NEGRA ARROYO**



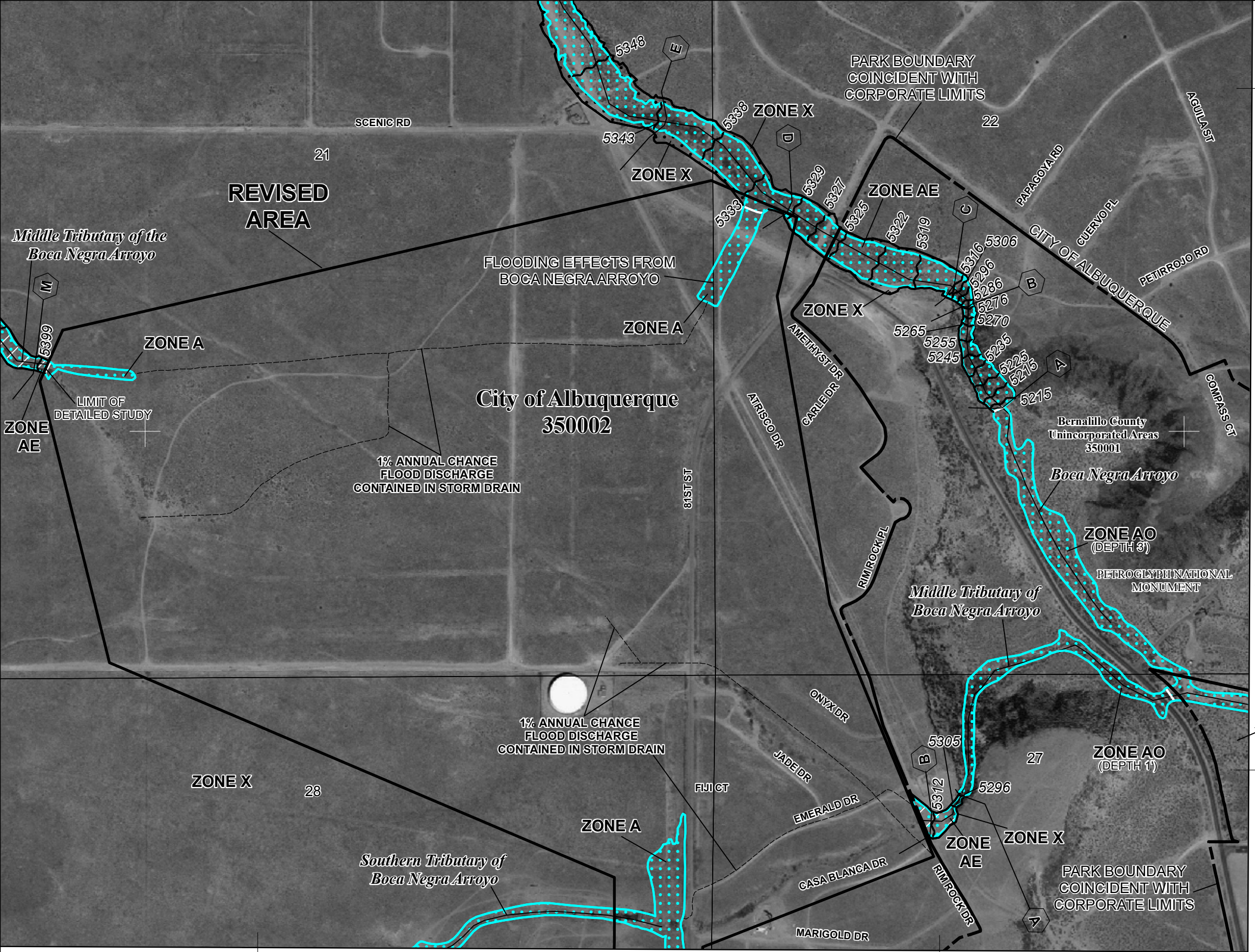


REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 25, 2010

FEDERAL EMERGENCY MANAGEMENT AGENCY  
BERNALILLO COUNTY, NM  
AND INCORPORATED AREAS

FLOOD PROFILES

MIDDLE TRIBUTARY OF THE BOCA NEGRA ARROYO



JOINS PANEL 0112

Legend

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

MAP SCALE 1" = 500'

250 0 500 FEET

150 0 150 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0111G

**FIRM**

FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY,  
NEW MEXICO

AND INCORPORATED AREAS

PANEL 111 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BERNALILLO COUNTY	350001	0111	G
ALBUQUERQUE, CITY OF	350002	0111	G

REVISED TO  
REFLECT LOMR  
EFFECTIVE: **March 25, 2010**




Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER  
35001C0111G

MAP REVISED  
SEPTEMBER 26, 2008

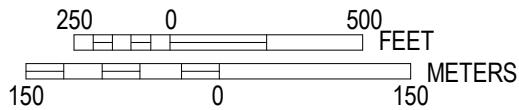
Federal Emergency Management Agency

# Legend

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



MAP SCALE 1" = 500'



JOINS PANEL 0111

1500000 FT

FLOODING EFFECTS FROM  
SOUTHERN TRIBUTARY TO  
BOCA NEGRA ARROYO

REVISED ZONE A  
AREA

MARIGOLD CT

PETROGLYPH NATIONAL MONUMENT

City of Albuquerque  
350002

Bernalillo County  
Unincorporated Areas  
350001

KEYENTA PL

MONTE CARLO DR

KIMBO DR

SHIPROCK DR

GREGGS ST

MONTANO RD

GRANGE AVE

KEEL AVE

BANGOR AVE

PARK BOUNDARY  
COINCIDENT WITH  
CORPORATE LIMITS

VICTORIA DR

MAUNA LOA DR

28

27

ZONE X

81ST ST

PANEL 0113G

**FIRM**  
FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY,  
NEW MEXICO  
AND INCORPORATED AREAS

PANEL 113 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)  
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBUQUERQUE, CITY OF	350002	0113	G
BERNALILLO COUNTY UNINCORPORATED AREAS	350001	0113	G

REVISED TO  
REFLECT LOMR  
EFFECTIVE: **March 25, 2010**

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community.



MAP NUMBER  
35001C0113G

MAP REVISED  
SEPTEMBER 26, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM