

Follows Conditional Case No.: 15-06-0805R



# 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 CULVERT	1D HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 350002			
IDENTIFIER	Pino Arroyo at the Foothills (aka Allaso High Desert)		APPROXIMATE LATITUDE AND LONGITUDE: 35.158, -106.499 SOURCE: Other      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*      NO.: 35001C0142H      DATE: August 16, 2012 TYPE: FIRM*      NO.: 35001C0161G      DATE: September 26, 2008			DATE OF EFFECTIVE FLOOD INSURANCE STUDY:      November 4, 2016  PROFILE: 04P(a) SUMMARY OF DISCHARGES TABLE: 12	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE AND REVISED REACH

Pino Arroyo - from approximately 930 feet downstream of Tramway Boulevard to approximately 230 feet upstream of Tramway Boulevard

### SUMMARY OF REVISIONS


Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Pino Arroyo	BFEs*	Contained	NONE	YES
	Zone AE	Contained	NONE	YES
	Zone AO	Contained	NONE	YES
	Depths	Contained	NONE	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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

  
Patrick "Rick" F. Sacbibit, P.E.  
Chief, Engineering Services Branch  
Risk Management Directorate | Resilience



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

**OTHER FLOODING SOURCES AFFECTED BY THIS REVISION**

**FLOODING SOURCE AND REVISED REACH**


Pino Arroyo - from approximately 930 feet downstream of Tramway Boulevard to approximately 230 feet upstream of Tramway Boulevard

**SUMMARY OF REVISIONS**

<b>Flooding Source</b>	<b>Effective Flooding</b>	<b>Revised Flooding</b>	<b>Increases</b>	<b>Decreases</b>
Pino Arroyo	Zone AE	Zone AE	NONE	YES
	BFEs*	BFEs	YES	YES
	Zone AO	Zone AE	NONE	YES
	Depths	BFEs	YES	YES

\* 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

  
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LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 350001 Name: Bernalillo County, New Mexico


AFFECTED MAP PANELS

TYPE: FIRM\* NO.: 35001C0161G DATE: September 26, 2008

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 4, 2016  
PROFILE: 04P(a)  
SUMMARY OF DISCHARGES TABLE: 12

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

  
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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 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

  
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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:

Roosevelt Grant  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VI  
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 panels 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

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Patrick "Rick" F. Sacbibit, P.E.  
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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**PUBLIC NOTIFICATION OF REVISION**

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at [https://www.floodmaps.fema.gov/fhm/bfe\\_status/bfe\\_main.asp](https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp)

**LOCAL NEWSPAPER**

Name: *Albuquerque Journal*

Dates: January 29, 2025 and February 5, 2025

Within 90 days of the second publication in the local newspaper, any interested party 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 flood hazard determination presented in this LOMR may be changed.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/flood-insurance>.

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**Table 12 – Summary of Discharges for Shallow Flooding Areas**

<u>Flooding Source and Location</u>	<u>Drainage Area (square miles)</u>	<u>Peak Discharges (cfs)</u>			
		<u>10-Percent- Annual-Chance</u>	<u>2-Percent- Annual-Chance</u>	<u>1-Percent- Annual-Chance</u>	<u>0.2-Percent- Annual- Chance</u>
Hubbell Lake Diversion Channel <sup>1</sup>					
Above dam	4.90	*	*	1,456	*
At dam outfall	4.90	*	*	80	*
At confluence of Sacate Blanco Arroyo	1.54	*	*	609 <sup>2</sup>	*
Just east of Diversion Dike	0.96	*	*	477	*
Arroyo de Domingo Baca <sup>3</sup>					
At North Diversion Channel	12.73	*	*	3,620	*
At Interstate Highway 25	7.11	*	*	2,146	*
At Ventura Street	5.84	*	*	1,142	*
Dam outflow	4.43	*	*	761	*
Dam inflow	4.43	*	*	3,845	*
At the confluence with Baca Tributary	3.26	*	*	2,550	*
Arroyo del Pino					
Just downstream from San Pedro Drive Northeast	8.90	*	*	2,639	*
Just downstream from Wyoming Boulevard	8.70	*	*	2,432	*
At North Diversion Channel	8.59	*	*	2,386	*
At Interstate Highway 25 <sup>3</sup>	7.06	*	*	1,604	*
At Ventura Street (Extended) <sup>3</sup>	6.44	*	*	1,250	*
Dam outflow <sup>3</sup>	4.65	*	*	206	*
Dam inflow	6.43 <sup>4</sup>	*	*	3,422	*
Just downstream from Tramway Boulevard	4.70	*	*	3,210	*

<sup>1</sup>Reference 9

<sup>2</sup>By regression analysis

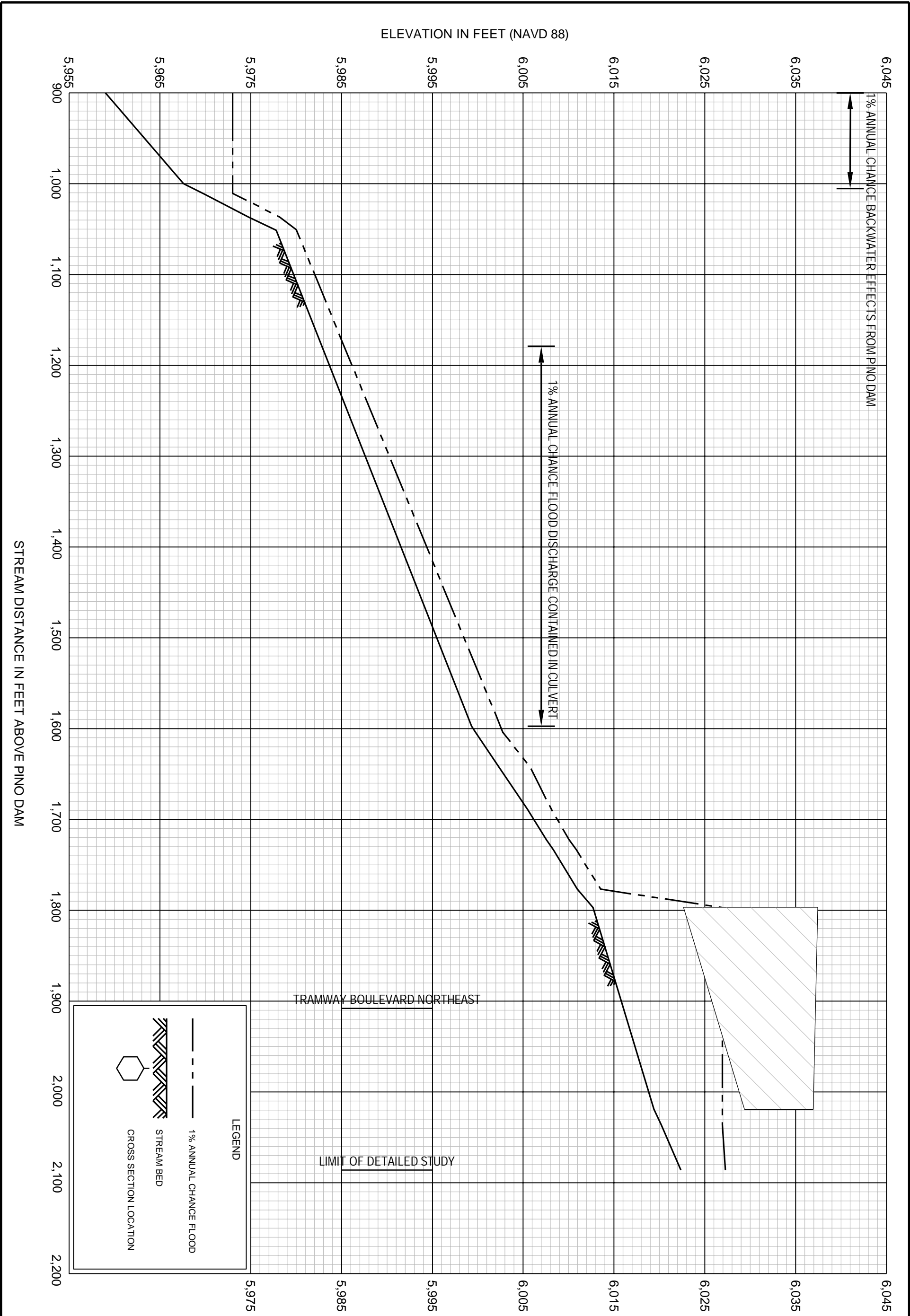
<sup>3</sup>Reference 8

\* Data not available

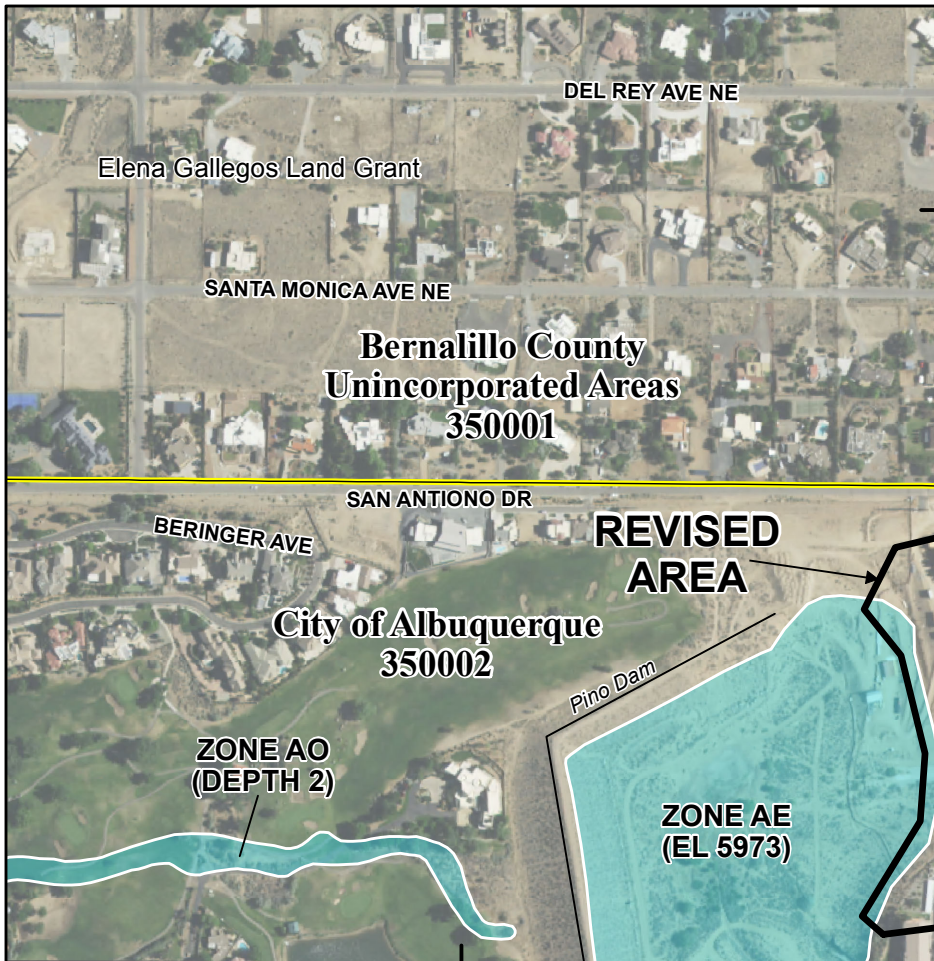
<sup>4</sup>Reflects revised hydrologic analysis upstream of Pino Dam

REVISED DATA

REVISED TO  
REFLECT LOMR  
EFFECTIVE: June 5, 2025







38°92'00"N

JOINS PANEL 0161

35°09'22.5"

106°30'00"

3°63'00"E

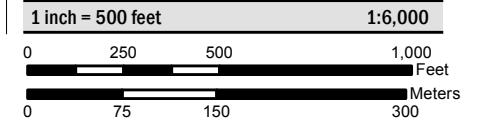
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee See Notes. Zone X

## SCALE

NOTE: BASEMAP IMAGERY DATED 2022 WAS OBTAINED FROM NAIP.



Map Projection:  
NAD 1983 StatePlane New Mexico Central FIPS 3002 Feet;  
Western Hemisphere; Vertical Datum: NAVD 88



FEMA  
National Flood Insurance Program

## NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY, NEW MEXICO  
and Incorporated Areas

PANEL 142 OF 825

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBUQUERQUE, CITY OF	350002	0142	H
BERNALILLO COUNTY, UNINCORPORATED AREAS	350001	0142	H

REVISED TO  
REFLECT LOMR  
EFFECTIVE: June 5, 2025

VERSION NUMBER

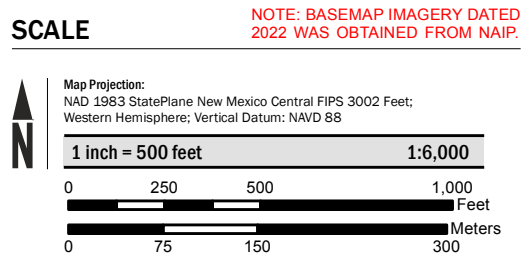
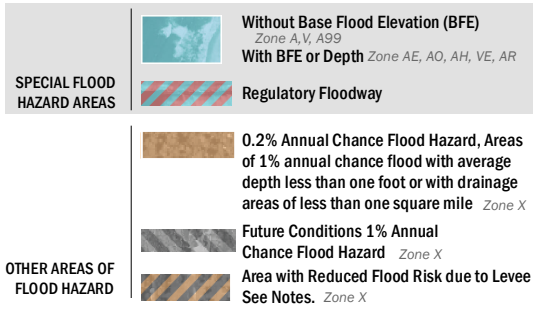
2.1.3.0

MAP NUMBER

35001C0142H

MAP REVISED

AUGUST 16, 2012



**NATIONAL FLOOD INSURANCE PROGRAM**

**FLOOD INSURANCE RATE MAP**

**BERNALILLO COUNTY, NEW MEXICO**  
and Incorporated Areas

**PANEL 161 OF 825**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBUQUERQUE, CITY OF	350002	0161	G
BERNALILLO COUNTY, UNINCORPORATED AREAS	350001	0161	G

REVISED TO REFLECT LOMR  
EFFECTIVE: June 5, 2025

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**35001C0161G**

MAP REVISED  
**SEPTEMBER 26, 2008**

