

**APPENDIX 6 (CD)**  
**PROPERTY OWNER NOTIFICATION LETTERS**  
**PROPERTY OWNERSHIP TABLE**  
**FLOODPLAIN EXHIBIT**  
**ANNOTATED FIRM**



**Albuquerque  
Metropolitan  
Arroyo  
Flood  
Control  
Authority**

2600 Prospect N.E., Albuquerque, NM 87107  
Phone: (505) 884-2215 Fax: (505) 884-0214  
Website: [www.amafca.org](http://www.amafca.org)

**June 19, 2015**

**Name**

**Mailing Address**

Albuquerque, NM 87xxx

**RE: Notification of Revision of 1% (100-year) Annual Chance Floodplain along the North Branch of Boca Negra Arroyo**

Dear **Ms. xx**,

Federal Emergency Management Agency (FEMA) provides Flood Risk Products to help community officials and the public view and understand their local flood risk. The Flood Insurance Rate Map (FIRM) for a community depicts land which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The FIRM is used to delineate flood insurance zones for insurance companies to use to set rates and to help the community with floodplain management.

The construction of the Boca Negra Detention Dam Facility was completed in 2014. As a result, the floodplain for the Boca Negra Arroyo has changed.

The Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) is applying for a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (DHS-FEMA) to revise FIRM #35001C0111G and 35001C0112G, (effective date September 26, 2008) for Bernalillo County, New Mexico along the Boca Negra Arroyo (See attached Floodplain Exhibit and Annotated FIRMs).

The current hydrological / hydraulic study of the Boca Negra Arroyo confirms a narrower floodplain than the floodplain reflected in the effective (2008) FIRM during the 1% (100-year) event in most areas. The study also identified extensions of floodplains were necessary at various locations within the limits of the study area.

The Letter of Map Revision will result in:

1. Revision of Base (1% annual chance) Flood Elevations (BFEs), and of 1% annual chance floodplain.
2. Inclusion of the Boca Negra Detention Dam Facility floodplain.
3. Widening and narrowing of existing 1% annual chance floodplains.

The floodplain study area analyzed along Boca Negra Arroyo begins at the eastern edge of the North Geological Window and ends at the San Ildefonso Drive bridge crossing.

This letter is to inform you of the establishment of Base Flood Elevations and revision of the 1% annual chance floodplain on affected properties. Attached are the Floodplain Exhibit and Annotated FIRMs showing the revised floodplain.

A paper copy of the proposed maps showing the affected areas is also available for viewing at:

AMAFCA  
2600 Prospect Avenue, NE  
Albuquerque, NM 87107

Once revised FIRM maps are published by FEMA and become effective, residents will be responsible for coordinating insurance policy changes with their respective lenders. Neither AMAFCA nor FEMA have the authority to change terms of individual policies.

If you have any questions or concerns about the proposed changes to the FIRMs or its effect on your property, you may contact Brad Bingham, P.E., Drainage Engineer, for the Albuquerque Metropolitan Arroyo Flood Control Authority's Office, at (505) 884-2215.

Sincerely,  
AMAFCA

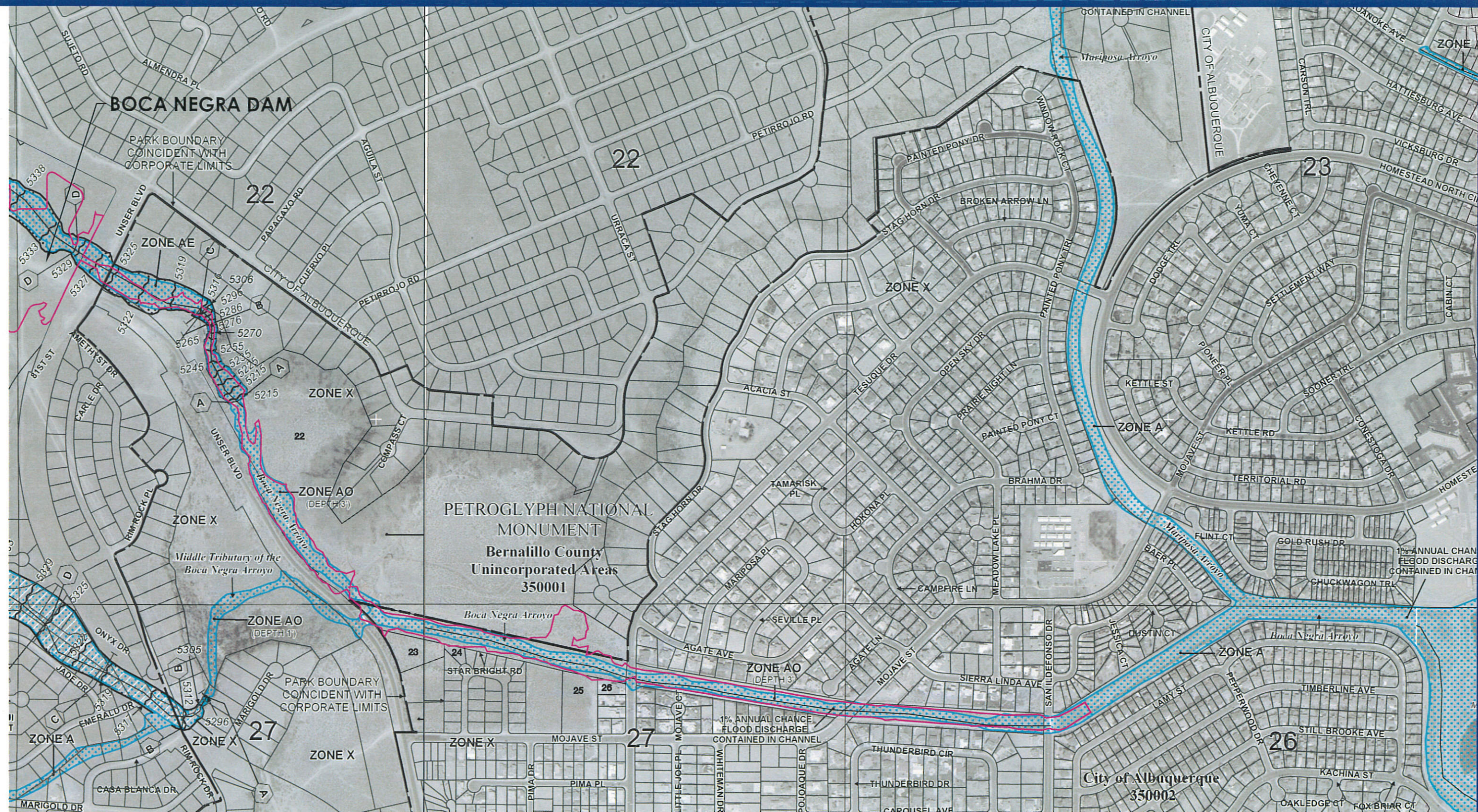
Jerry M. Lovato, P.E.  
Executive Engineer

## BOCA NEGRA ARROYO LOMR

NO.	UPC	LEGAL DESCRIPTION	OWNER	OWNER ADDRESS	SITUS ADDRESS
1	100906329046411104	4 002VOLCANO CLIFFS SUBD UNIT 13	STROUD JOHN M & MELISSA J	8019 VICTORIA NW, ALBUQUERQUE NM 87120	N/A, ALBUQUERQUE NM 87120
2	100906329545511105	5 002VOLCANO CLIFFS SUBD UNIT 13	BREWER MARK ALEXANDER & ERIK CHRISTOPHER BREWER	CMR 480 BOX 703, APO AE 09128	N/A, ALBUQUERQUE NM 87120
3	100906329744611106	6 002VOLCANO CLIFFS SUBD UNIT 13	MERWIN GLADYS M C/O VIRGINIA M STEELE	3523 TIMBER LN, SLATINGTON PA 18080	N/A, ALBUQUERQUE NM 87120
4	100906330043811107	7 002VOLCANO CLIFFS SUBD UNIT 13	KRAMER DENNIS K 1 FOX HILLS LANE	PO BOX 970, SANDIA PARK NM 87047-0970	N/A, ALBUQUERQUE NM 87120
5	100906330342911108	8 002VOLCANO CLIFFS SUBD UNIT 13	KRAMER JULIA B	10005 CARDINAL NW, ALBUQUERQUE NM 87114	N/A, ALBUQUERQUE NM 87120
6	100906328342120164	001TRACT 6 VOLCANO CLIFFS SUBD UNIT 13	LE KHANH TRAN & THONG NGUYEN	15522 ASHLEY AVE, WESTMINSTER CA 92683	FACIEL RD NW, ALBUQUERQUE NM 87120
7	100906326043220165	TRACT 23 VOLCANO CLIFFS SUBD UNIT 12	RALPH DALE L & TAZMIN	5816 MIMOSA PL NE, ALBUQUERQUE NM 87111	ROSA PARKS RD NW, ALBUQUERQUE NM 87120
8	100906328940110534	3 008VOLCANO CLIFFS SUBD UNIT 13	SOLID GOLD CLASSIC LTD	5319 MENAUL BLVD NE, ALBUQUERQUE NM 87110-3113	N/A, ALBUQUERQUE NM 87120
9	100906329738310520	17 008VOLCANO CLIFFS SUBD UNIT 13	KASSAM LAND ACQUISITIONS 5 LLC % LEGACY HOSPITALITY LLC	6500 EAGLE ROCK AVE NE B5, ALBUQUERQUE NM 87113	N/A, ALBUQUERQUE NM 87120
10	100906330738510521	16 008VOLCANO CLIFFS SUBD UNIT 13	KASSAM LAND ACQUISITIONS 5 LLC % LEGACY HOSPITALITY LLC	6501 EAGLE ROCK AVE NE B5, ALBUQUERQUE NM 87113	N/A, ALBUQUERQUE NM 87120
11	100906331736910523	14 008VOLCANO CLIFFS SUBD UNIT 13	KASSAM LAND ACQUISITIONS 5 LLC % LEGACY HOSPITALITY LLC	6501 EAGLE ROCK AVE NE B5, ALBUQUERQUE NM 87113	N/A, ALBUQUERQUE NM 87120
12	100906331735610524	13 008VOLCANO CLIFFS SUBD UNIT 13	FRYE EUGENE R & RUTH E	5201 ROMA NE APT 336, ALBUQUERQUE NM 87108	N/A, ALBUQUERQUE NM 87120
13	100906332240710614	2 005UNIT 13 VOLCANO CLIFFS SUBD	DIEKE LOUIS H & BETTY D	8772 E FARM RD 2, FAIR GROVE MO 65648	N/A, ALBUQUERQUE NM 87120
14	100906333040410613	3 005VOLCANO CLIFFS SUBD UNIT 13	DIEKE LOUIS H & BETTY D	8772 E FARM RD 2, FAIR GROVE MO 65648	N/A, ALBUQUERQUE NM 87120
15	100906333939910612	4 005VOLCANO CLIFFS SUBD UNIT 13	DIEKE LOUIS H & BETTY D	8772 E FARM RD 2, FAIR GROVE MO 65648	FACIEL RD NW, ALBUQUERQUE NM 87120
16	100906334939010611	5 005VOLCANO CLIFFS SUBD UNIT 13	DIEKE LOUIS H & BETTY D	8772 E FARM RD 2, FAIR GROVE MO 65648	N/A, ALBUQUERQUE NM 87120
17	100906344430510622	003 001VOLCANO CLIFFS UNIT 25	DENTON GORDON E & NANCY J TR OF DENTON LIVING TRUST	4030 PEPPER POST AVE, LAS CRUCES NM 88011	N/A, ALBUQUERQUE NM 87120
18	100906345029410623	004 001VOLCANO CLIFFS UNIT 25	BARZ RICHARD K	PO BOX 82, ACT 2616 AUSTRALIA	N/A, ALBUQUERQUE NM 87120
19	100906345728210624	005 001VOLCANO CLIFFS UNIT 25	BALDRIDGE FAMILY LIMITED PARTNERSHIP II LP	110 CYPRESS LN, COUSHATTA LA 71019	N/A, ALBUQUERQUE NM 87120
20	100906348131011301	LT 2-A BLK 2 PLAT OF LTS 1-A THRU 3-A BLK 2 UNIT 25VOLCANO CLIFFS SUBD CONT 1.4483 AC	VP UNIT #25 LLC & ETAL	2806 LYNDALE LN, BILLINGS MT 59102	7501 RAINBOW BLVD NW, ALBUQUERQUE NM 87120
21	101006301023230801	TR 1 PLAT OF TR 1 BOCA NEGRA DETENTION DAM CONT 24.4245 AC	AMAFCA	2600 PROSPECT NE, ALBUQUERQUE NM 87107	UNSER BLVD NW, ALBUQUERQUE NM 87120
22	101006326006030920	TR A UNIT 28 VOLCANO CLIFFS SUBDIVISION CONT 56.9670 AC	CITY OF ALBUQUERQUE	PO BOX 2248, ALBUQUERQUE NM 87103-2248	, ALBUQUERQUE NM 87120
23	101006225850810906	008 012VOLCANO CLIFFS SUB UNIT 3 11N 2E SEC 27	STATE OF NEW MEXICO STATE LAND OFFICE, FACILITY MANAGEMENT DIVISION	PO BOX 6850, SANTA FE NM 87502	ATRISCO RD NW, ALBUQUERQUE NM 87120
24	101006229449510928	LT 8 PLAT FOR PETROGLYPH SHADOWS SUBDIVISION BEING AREPLAT OF LOTS 4 & 5 BLOCK 12 UNIT 3 VOLCANO CLIFFSSUBDIVISION CONT	KAMM CHRISTINA L	6423 STAR BRIGHT RD NW ALBUQUERQUE NM 87120	6423 STAR BRIGHT RD NW ALBUQUERQUE NM 87120
25	101006236247410914	LT 2 BLK 12 VOLCANO CLIFFS SUBD UNIT 3 CONT 1.9945 AC	PIANO JASPER & EMILY E TRUSTEES PIANO FAMILY TRUST	200 S BURKE DR, GALLUP NM 87301	MOJAVE ST NW, ALBUQUERQUE NM 87120
26	101006238548310920	LOT 1-A BLOCK 12 REPLAT OF LOT 1 BLOCK 12 VOLCANO CLIFFSUNIT 3 CONT	CHAVEZ JOE V & VIRGINIA B	6515 TESUQUE DR NW ALBUQUERQUE NM 87120	6515 TESUQUE NW ALBUQUERQUE NM 87120



T:\PROJECTS\2012\1807602\ENG\2012 FINAL PLANS SPECIFICATIONS\_ESTIMATE\_REPORTS\2014 FINAL CONSTRUCTION ACCEPTANCE REPORTS\2014.DOC\DOWNSTREAM FLOODPLAIN EXHIBIT.DWG 6/17/2015 12:51 PM



# LEGEND

- EXISTING FLOODPLAIN
- PROPOSED FLOODPLAIN
- AFFECTED PROPERTY NUMBER

## FLOODPLAIN EXHIBIT

**WILSON & COMPANY**  
4900 LANG AVE., N.E.  
ALBUQUERQUE, NEW MEXICO 87109  
PH (505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com



## NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the **Flood Profiles and Floodway Data** and/or **Summary of Stillwater Elevations** tables contained within the **Flood Insurance Study (FIS)** report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations** shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was New Mexico State Plane, Central Zone. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NNGS12  
National Geodetic Survey, SSMC-3, #9202  
1316 East West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit their website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM was provided in digital format by Bernalillo County produced at a scale of 1:12,000 from photography dated 1999 or later.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables for the Flood Insurance Study report may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unreviewed streams may differ from what is shown on previous maps.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and their website at <http://www.msc.fema.gov>.

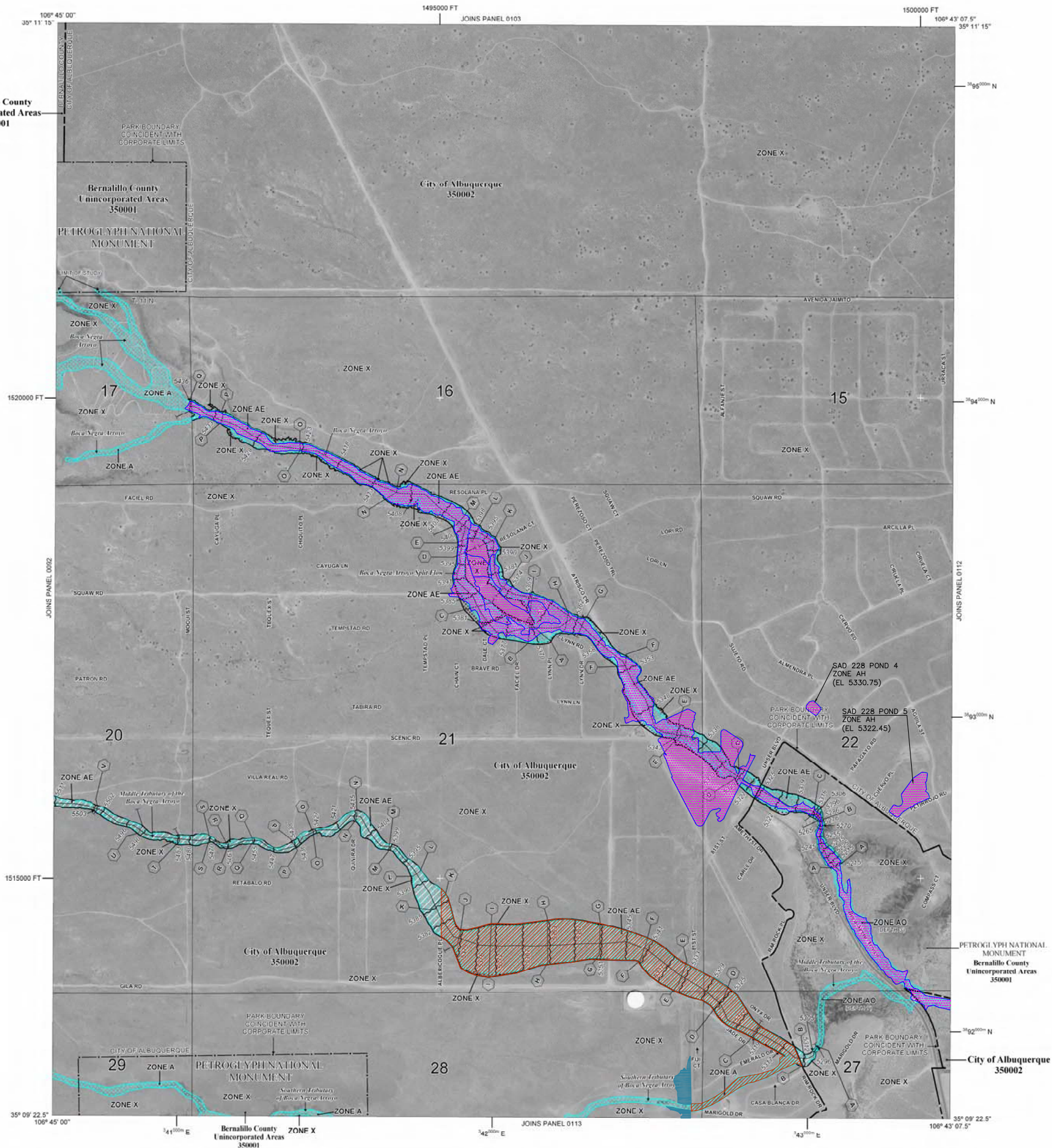
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/info>.

## LEGEND

- PROPOSED 100YR FLOODPLAIN
- REMOVED FLOODPLAIN PER LOMR CASE NUMBER 09-06-2899P, MARCH 25, 2010
- CREATED FLOODPLAIN PER LOMR CASE NUMBER 09-06-2899P, MARCH 25, 2010

NOTE: PONDS 4 & 5 WATER SURFACE ELEVATION PER SAD 228 DRAINAGE REPORT DATED JANUARY 2012

Bernalillo County  
Unincorporated Areas  
350001



## LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A No Base Flood Elevations determined.
- ZONE AE Base Flood Elevations determined.
- ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently derelict. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

**FLOODWAY AREAS IN ZONE AE**  
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**  
ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**  
ZONE X Areas determined to be outside the 0.2% annual chance floodplain. Areas in which flood hazards are undetermined, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**  
**OTHERWISE PROTECTED AREAS (OPAs)**  
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet
- Base Flood Elevation value where uniform within zone; elevation in feet
- Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transverse line
- 99° 07' 30", 32° 22' 30"
- 4° 76' 00" E
- 600000 FT
- 5000-foot grid ticks: New Mexico State Plane coordinate system, Central Zone (FIPSZONE 3002), Transverse Mercator
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M.S.L.
- River Mile

MAP REPOSITORIES  
Refer to Map Repositories list on Map Index.  
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP PANEL  
SEPTEMBER 26, 1996  
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL  
April 2, 2002 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to add roads and road names, to reflect updated topographic information, and to incorporate previously issued Letters of Map Revision  
November 19, 2003 - to update corporate limits and to incorporate previously issued Letters of Map Revision  
September 26, 2006 - to update corporate limits, to change Special Flood Hazard Areas, to add roads and road names, to incorporate previously issued Letters of Map Revision, to reflect updated topographic information, to change base flood elevations, to add base flood elevations.  
For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.  
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 600'  
250 0 500 1000  
150 0 150 300  
FEET  
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  
ALBUQUERQUE, CITY OF 350002 0111 G  
BERNALILLO COUNTY 350001 0111 G

ANNOTATED FIRM

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



NOTES TO USERS

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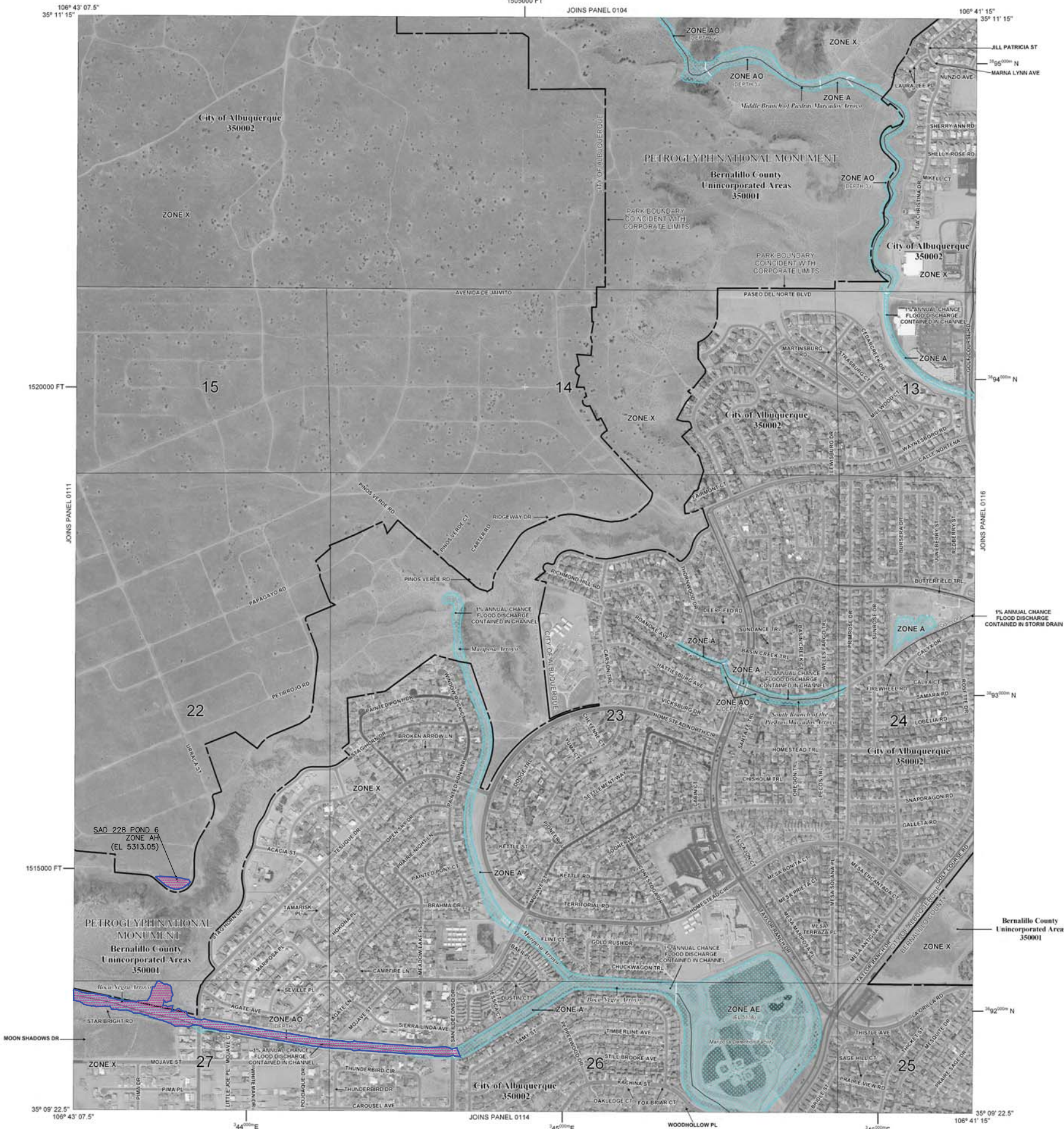
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LEGEND

PROPOSED 100YR FLOODPLAIN

NOTES: POND 6 WATER SURFACE ELEVATION PER SAD 228 DRAINAGE REPORT DATED JANUARY 2012



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

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- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet\*
- Base Flood Elevation value where uniform within zone; elevation in feet

- \*Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 13
- 5000-foot grid ticks: New Mexico State Plane coordinate system, Central zone (FIPSZONE 3002), Transverse Mercator
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- DXSS10
- River Mile

**MAP REPOSITORIES**  
Refer to Map Repositories list on Map Index.  
**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP PANEL**  
SEPTEMBER 20, 1996

**EFFECTIVE DATES (OF REVISIONS) TO THIS PANEL**  
April 2, 2002 - to update corporate limits, to change Base Flood Elevations and Special Flood Hazard Areas, to add roads and road names, to reflect updated topographic information, and to incorporate previously issued Letters of Map Revision.  
November 19, 2003 - to update corporate limits and to incorporate previously issued Letters of Map Revision.  
September 26, 2008 - to update corporate limits, to change Special Flood Hazard Areas, to add roads and road names, to incorporate previously issued Letters of Map Revision, to reflect updated topographic information, to change Base Flood Elevations, to add Base Flood Elevations.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6629.



MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

PANEL 0112G

FIRM

FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY, NEW MEXICO

AND INCORPORATED AREAS

PANEL 112 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBUQUERQUE, CITY OF	350002	0112	G
BERNALILLO COUNTY UNINCORPORATED AREAS	350001	0112	G

ANNOTATED FIRM

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 35001C0112G

MAP REVISED SEPTEMBER 26, 2008

Federal Emergency Management Agency