



# 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<br>Bernalillo County<br>New Mexico | BRIDGE<br>FILL   | BASE MAP CHANGES<br>FLOODWAY<br>HYDRAULIC ANALYSIS<br>NEW TOPOGRAPHIC DATA |
|   | COMMUNITY NO.: 350002                                  |  |  |
| IDENTIFIER  | Juan Tabo Hills Tijeras Arroyo                         | APPROXIMATE LATITUDE AND LONGITUDE: 35.055, -106.515<br>SOURCE: Precision Mapping Streets      DATUM: NAD 83 |  |
| ANNOTATED MAPPING ENCLOSURES                                |  | ANNOTATED STUDY ENCLOSURES   |  |
| TYPE: FIRM      NO.: 35001C0367H      DATE: August 16, 2012 |  | DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 16, 2012<br>PROFILE: 75P AND 76P<br>FLOODWAY DATA TABLE: 15  |  |

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map;

### FLOODING SOURCE AND REVISED REACH

Tijeras Arroyo- from a point approximately 6,420 feet downstream of Juan Tabo Boulevard to a point approximately 1,430 feet upstream of Juan Tabo Boulevard

### SUMMARY OF REVISIONS

| Flooding Source | Effective Flooding | Revised Flooding | Increases | Decreases |
|-----------------|--------------------|------------------|-----------|-----------|
| Tijeras Arroyo  | Zone AE            | Zone AE          | NONE      | YES       |
|                 | BFEs               | BFEs             | YES       | YES       |
|                 | Floodway           | Floodway         | 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 Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the Engineering Library, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at [www.fema.gov/business/nfip](http://www.fema.gov/business/nfip).

Stuart W. Rooney, CFM, PMP, Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

13-06-1053P

102-I-A-C



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

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 350001      **Name:** Unincorporated Areas of Bernalillo County, New Mexico

| AFFECTED MAP PANELS |                  |                       | AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT   |
|---------------------|------------------|-----------------------|---|
| TYPE: FIRM*         | NO.: 35001C0366H | DATE: August 16, 2012 | DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 16, 2012<br>PROFILE: 75P AND 76P<br>FLOODWAY DATA TABLE: 15 |
| TYPE: FIRM*         | NO.: 35001C0367H | DATE: August 16, 2012 |   |

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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.

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.

##### 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 any permits required by Federal 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 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.

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 Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the Engineering Library, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

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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 for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel 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 Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the Engineering Library, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at [www.fema.gov/business/nfip](http://www.fema.gov/business/nfip).

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

**PUBLIC NOTIFICATION OF REVISION**

**PUBLIC NOTIFICATION**

A notice of changes will be published in the *Federal Register*. A short notice will also be published in your local newspaper on or about the dates listed below. Please refer to FEMA's Web site at [https://www/floodmaps.fema.gov/fhm/Scripts/bfe\\_main.asp](https://www/floodmaps.fema.gov/fhm/Scripts/bfe_main.asp).

LOCAL NEWSPAPER      Name: *The Albuquerque Journal*  
Dates: 02/08/2013 and 02/15/2013

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.

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 Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the Engineering Library, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our Web site at [www.fema.gov/business/nfip](http://www.fema.gov/business/nfip).

  
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| FLOODING SOURCE               |                       | FLOODWAY     |                            |                                 | 1-PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION (FEET NAVD 88) |                  |               |          |
|-------------------------------|-----------------------|--------------|----------------------------|---------------------------------|--|------------------|---------------|----------|
| CROSS SECTION                 | DISTANCE <sup>1</sup> | WIDTH (FEET) | SECTION AREA (SQUARE FEET) | MEAN VELOCITY (FEET PER SECOND) | REGULATORY   | WITHOUT FLOODWAY | WITH FLOODWAY | INCREASE |
| TIJERAS ARROYO<br>(Continued) | 23,785                | 200          | 965                        | 17.0                            | 5,115.9  | 5,115.9          | 5,115.9       | 0.0      |
|                               | 24,345                | 400          | 1,718                      | 9.5                             | 5,122.2  | 5,122.2          | 5,123.2       | 1.0      |
|                               | 24,930                | 400          | 1,793                      | 9.1                             | 5,127.2  | 5,127.2          | 5,127.3       | 0.1      |
|                               | 26,060                | 400          | 1,515                      | 10.8                            | 5,132.0  | 5,132.0          | 5,132.3       | 0.3      |
|                               | 26,725                | 120          | 997                        | 16.4                            | 5,135.8  | 5,135.8          | 5,135.8       | 0.0      |
|                               | 27,070                | 131          | 1,015                      | 16.1                            | 5,137.9  | 5,137.9          | 5,137.9       | 0.0      |
|                               | 28,430                | 118          | 973                        | 16.8                            | 5,147.3  | 5,147.3          | 5,147.3       | 0.0      |
|                               | 29,130                | 135          | 975                        | 16.8                            | 5,152.2  | 5,152.2          | 5,152.2       | 0.0      |
|                               | 30,820                | 244          | 1,190                      | 13.8                            | 5,168.5  | 5,168.5          | 5,168.5       | 0.0      |
|                               | AD-AL <sup>2</sup>    |              |                            |                                 |  |                  |               |          |
|                               | 57,692                | 263          | 1,381                      | 13.1                            | 5,393.5  | 5,393.5          | 5,393.5       | 0.0      |
|                               | 58,701                | 234          | 1,327                      | 13.6                            | 5,405.5  | 5,405.5          | 5,405.5       | 0.0      |
|                               | 59,737                | 360          | 1,613                      | 12.3                            | 5,418.6  | 5,418.6          | 5,418.9       | 0.3      |
|                               | 60,559                | 313          | 1,652                      | 14.0                            | 5,431.0  | 5,431.0          | 5,431.5       | 0.5      |
|                               | 61,262                | 441          | 1,766                      | 14.0                            | 5,440.7  | 5,440.7          | 5,440.7       | 0.0      |
|                               | 61,987                | 530          | 2,684                      | 7.3                             | 5,446.4  | 5,446.4          | 5,446.4       | 0.0      |
|                               | 63,079                | 310          | 1,515                      | 13.7                            | 5,457.9  | 5,457.9          | 5,458.1       | 0.2      |
|                               | 64,069                | 409          | 1,644                      | 12.5                            | 5,475.0  | 5,475.0          | 5,475.4       | 0.4      |
|                               | AU                    | 500          | 1,747                      | 10.3                            | 5,490.3  | 5,490.3          | 5,491.0       | 0.7      |

<sup>1</sup>Feet above confluence with Rio Grande

<sup>2</sup>Floodway not computed (Kirtland Air Force Base)

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: June 17, 2013**

### REVISED DATA

FEDERAL EMERGENCY MANAGEMENT AGENCY

**TABLE 15**

## FLOODWAY DATA

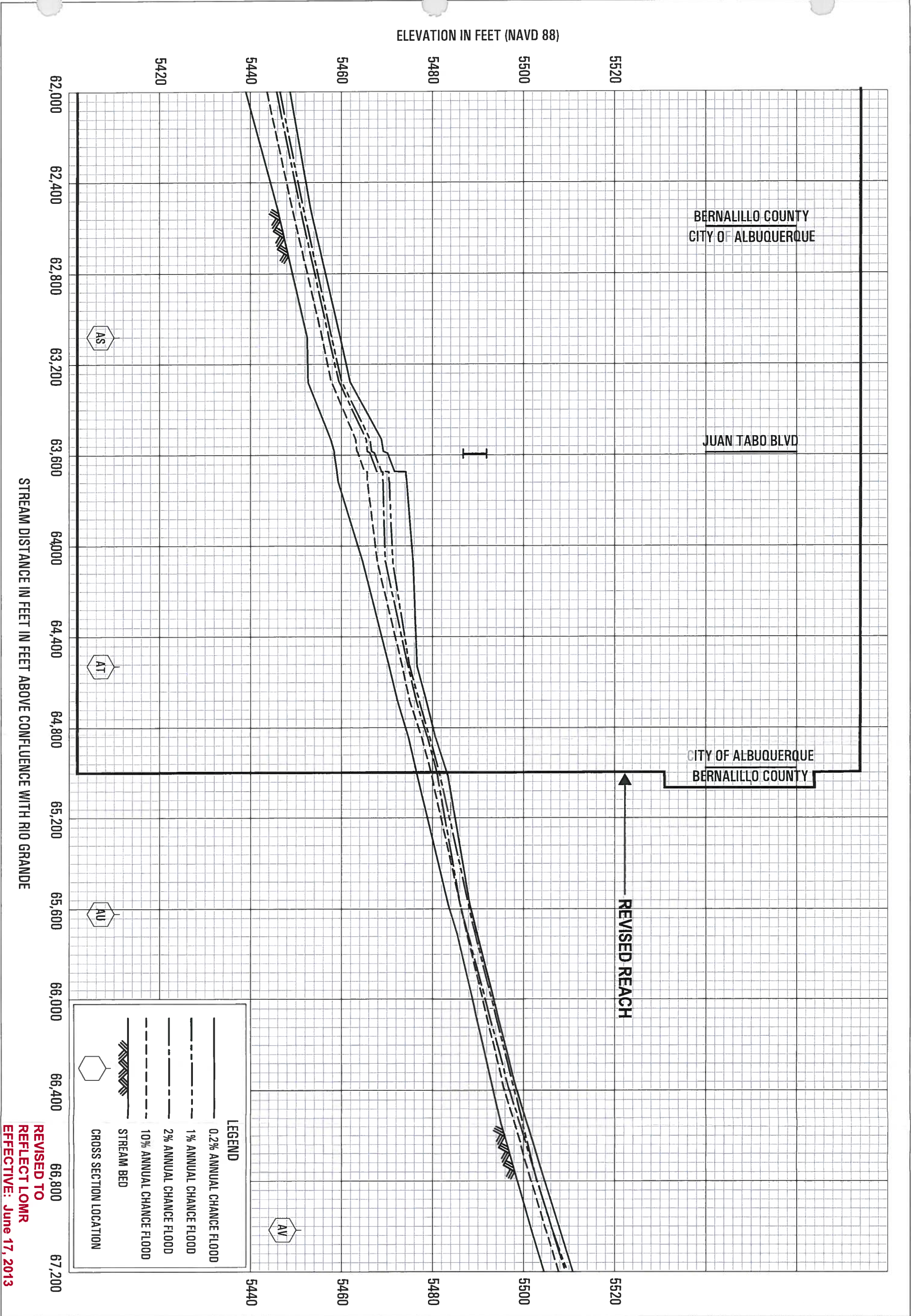
**BERNALILLO COUNTY, NM  
AND INCORPORATED AREAS**

**TIJERAS ARROYO**









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