



Federal Emergency Management Agency

Washington, D.C. 20472

March 23, 2011

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Maggie Hart Stebbins
Chairwoman, Bernalillo County Board of
Commissioners
One Civic Plaza Northwest
Albuquerque, NM 87102

IN REPLY REFER TO:

Case No.: 10-06-1669P
Community Name: Bernalillo County, NM
Community No.: 350001
Effective Date of
This Revision: **March 23, 2011**

Dear Chairwoman Stebbins:

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 panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed that 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 Denton, Texas, at (940) 898-5127, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

Sincerely,

Michael J. McGinn, Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

For: Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

List of Enclosures:

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

cc: Mr. Subhas Shah, P.E.
Middle Rio Grande Conservancy District

Mr. Don Briggs, P.E.
Floodplain Administrator
Bernalillo County

Mr. Chad Morris, P.E.
Tetra Tech



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LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Bernalillo County New Mexico (Unincorporated Areas)	LEVEE	FLOODWAY HYDRAULIC ANALYSIS LEVEE CERTIFICATION NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 350001		
IDENTIFIER	Rio Grande Albuquerque West Levee	APPROXIMATE LATITUDE AND LONGITUDE: 34.971, -106.689 SOURCE: Precision Mapping Streets DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 35001C0339G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0343G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0527G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0529G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0531G DATE: September 26, 2008 TYPE: FIRM* NO.: 35001C0533G DATE: September 26, 2008		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 26, 2008 PROFILES: 43P, 44P, AND 45P FLOODWAY DATA TABLE: 13	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map;

FLOODING SOURCE AND REVISED REACH

Rio Grande - from approximately 1,140 feet downstream of Interstate 25 to approximately 1,930 feet downstream of confluence of Tijeras Arroyo (South Diversion Channel)

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Rio Grande	Zone AE	Zone AE	NONE	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	BFEs*	BFEs	YES	NONE
	Floodway	Floodway	YES	NONE
	Zone X (unshaded)	Zone X (unshaded)	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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD, 21076. Additional Information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

Michael J. McGinn, Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

10-06-1669P

102-I-A-C



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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.

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 LOMR Case No. 10-06-1078P 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.

This revision involves an accredited levee system. Your community is responsible for maintaining and disseminating information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, for the levee systems shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and flood proofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Web site at <http://www.fema.gov/business/nfip/index.shtm>.

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 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 LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD, 21076. 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 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 Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD, 21076. Additional Information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

Handwritten signature of Michael J. McGinn.

Michael J. McGinn, Program Specialist
Engineering Management Branch
Federal Insurance and Mitigation Administration

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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 NAVD 88)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Rio Grande	Approximately 370 feet downstream of Interstate 25	4905	4906	35001C0533G
	Approximately 2,170 feet downstream of Tijeras Arroyo (South Diversion Channel)	4925	4926	35001C0343G

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*. This information also will 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 for a more detailed description of proposed BFE changes, which will be posted approximately within a week of the date of this letter.

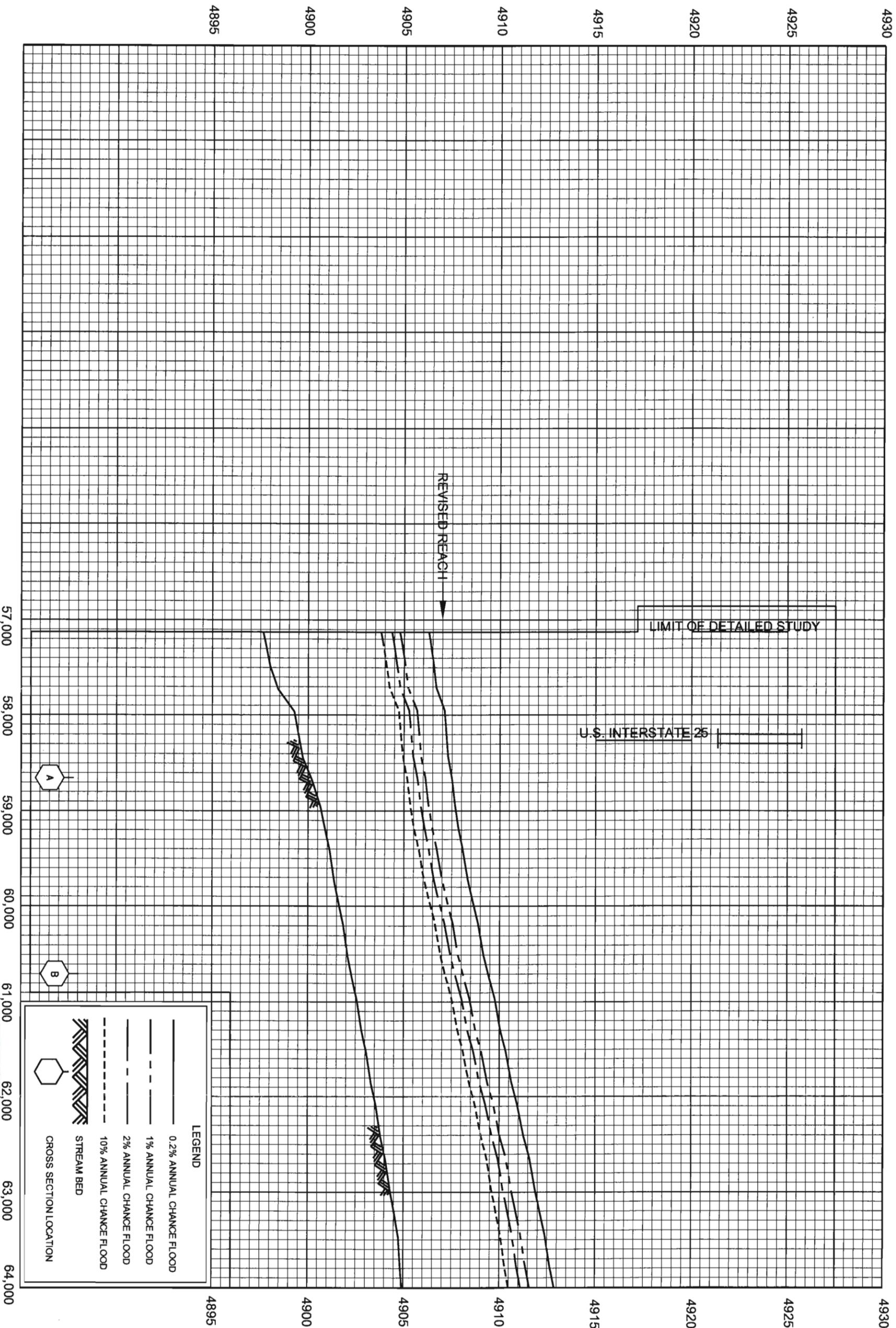
LOCAL NEWSPAPER Name: *The Albuquerque Journal*
Dates: March 30 and April 6, 2011

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 LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD, 21076. Additional Information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

Michael J. McGinn, Program Specialist
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102-I-A-C



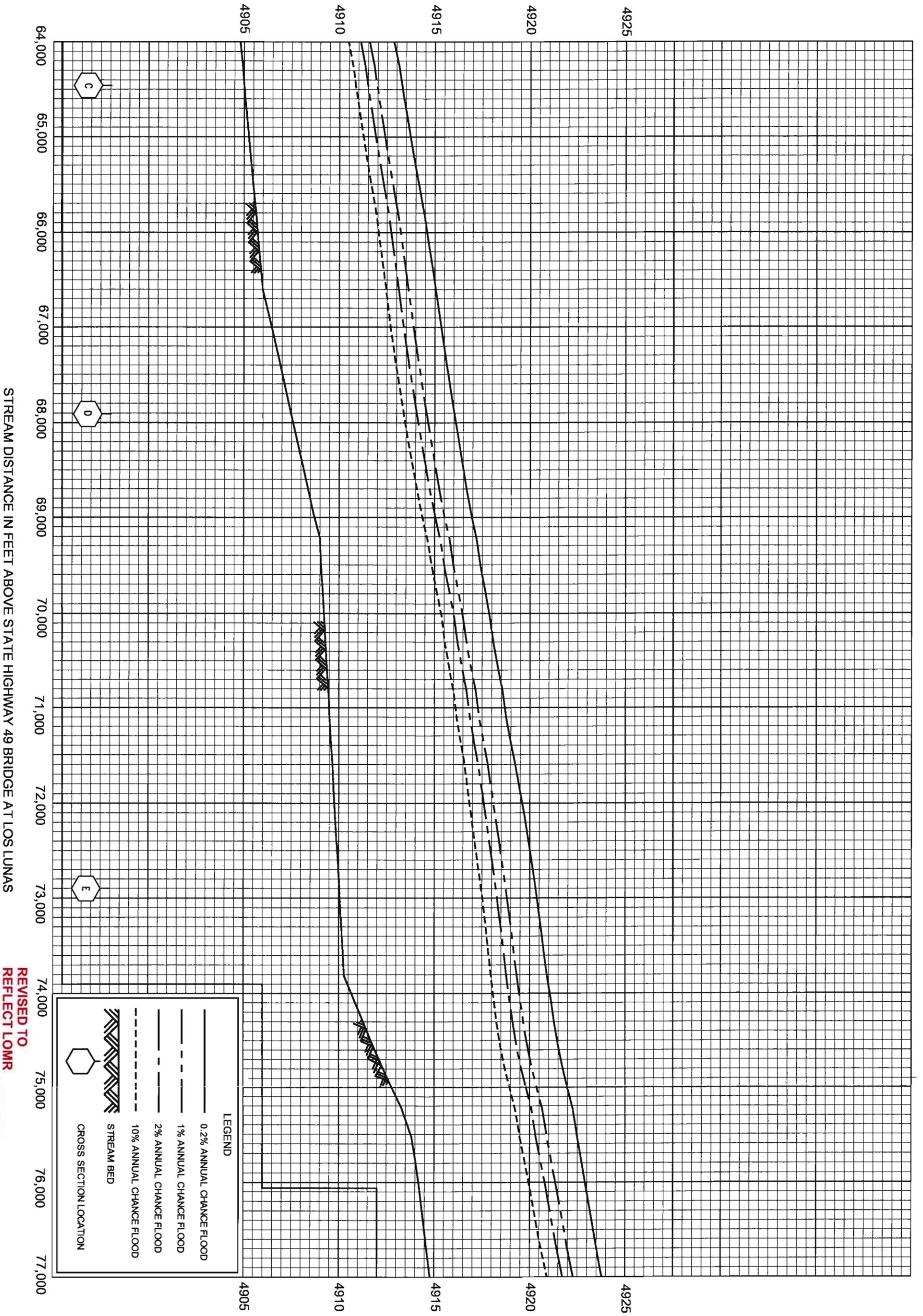
STREAM DISTANCE IN FEET ABOVE STATE HIGHWAY 49 BRIDGE AT LOS LUNAS

REVISED TO
REFLECT LOMR
EFFECTIVE: March 23, 2011

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- - - 1% ANNUAL CHANCE FLOOD
- · - · 2% ANNUAL CHANCE FLOOD
- · - · 10% ANNUAL CHANCE FLOOD
- ▨ STREAM BED
- ⬡ CROSS SECTION LOCATION

ELEVATION IN FEET (NAVD 88)



REVISED TO
REFLECT LOMR
EFFECTIVE: March 23, 2011

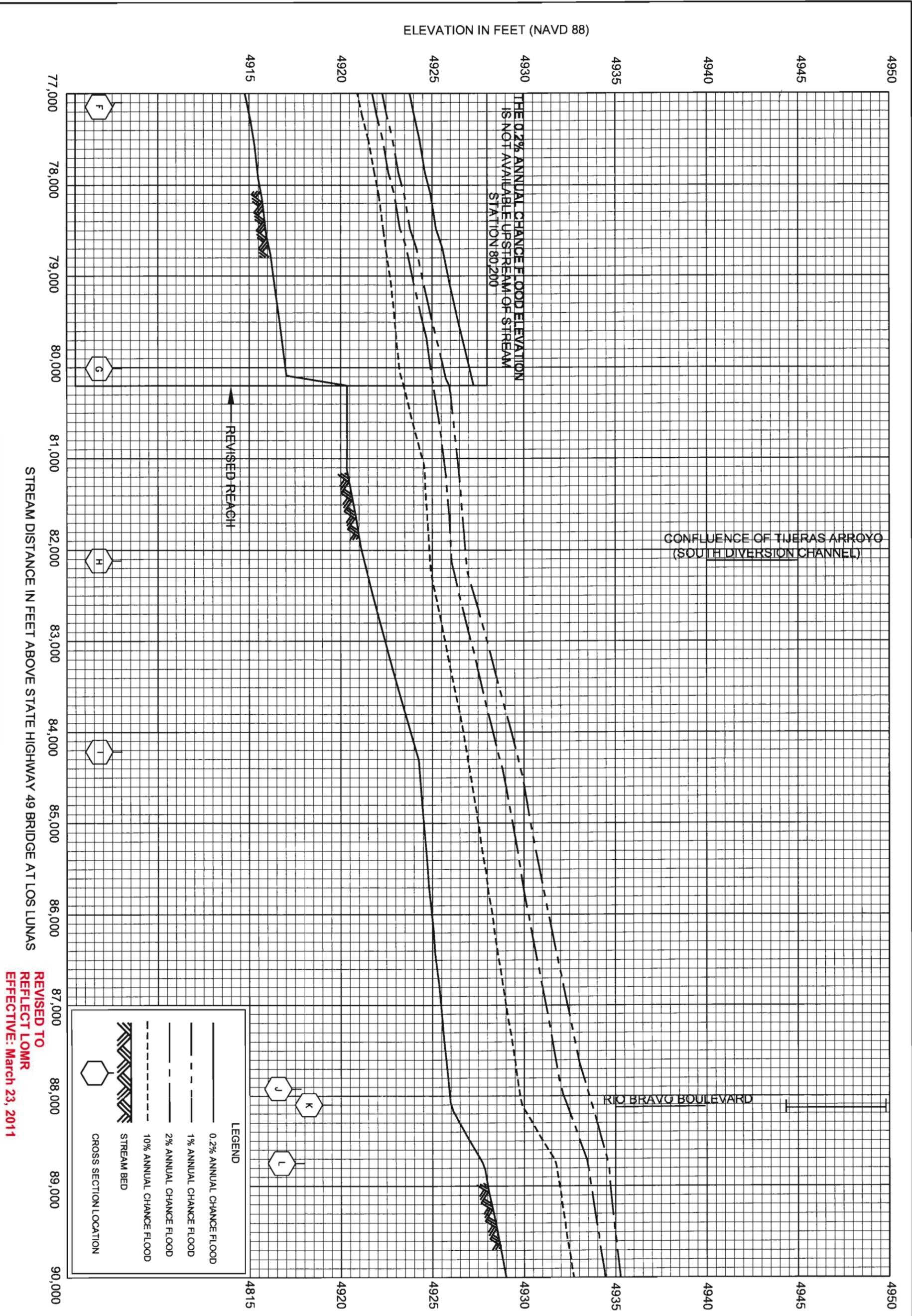
LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FLOOD PROFILES

RIO GRANDE

FEDERAL EMERGENCY MANAGEMENT AGENCY
BERNALILLO COUNTY, NM
AND INCORPORATED AREAS



REVISED TO REFLECT LOMR EFFECTIVE: March 23, 2011

LEGEND	
	0.2% ANNUAL CHANCE FLOOD
	1% ANNUAL CHANCE FLOOD
	2% ANNUAL CHANCE FLOOD
	10% ANNUAL CHANCE FLOOD
	STREAM BED
	CROSS SECTION LOCATION

FLOODING SOURCE		FLOODWAY			1-PERCENT ANNUAL-CHANGE-FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY ²	WITHOUT FLOODWAY ²	WITH FLOODWAY ²	INCREASE ²
RIO GRANDE								
A	58654	2030	4895	2.4	4906.1	4906.1	4906.1	0.0
B	60700	1800	4797	2.5	4908.1	4908.1	4908.1	0.0
C	64460	1753	4275	2.9	4912.0	4912.0	4912.0	0.0
D	67910	1656	4137	3.0	4914.6	4914.6	4914.6	0.0
E	72900	1491	3808	3.4	4918.7	4918.7	4918.7	0.0
F	77100	1593	3389	3.9	4922.4	4922.4	4922.4	0.0
G	80012	1419	3704	3.8	4925.6	4925.6	4925.6	0.0
H	82115	2290	3578	4.4	4926.8	4926.8	4927.2	0.4
I	84230	1360	4272	3.7	4929.5	4929.5	4929.5	0.0
J	87930	1356	3573	4.4	4933.2	4933.2	4933.2	0.0
K	88110	1344	4454	3.5	4933.4	4933.4	4933.4	0.0
L	88750	1386	3569	4.4	4934.3	4934.3	4934.3	0.0
M	93050	1356	5772	2.7	4937.7	4937.7	4937.7	0.0
N	95990	1402	5369	2.9	4939.7	4939.7	4939.7	0.0
O	98300	1395	2510	6.3	4941.9	4941.9	4941.9	0.0
P	103050	1421	5140	3.1	4945.8	4945.8	4945.8	0.0
Q	104630	1421	3881	4.1	4948.0	4948.0	4948.0	0.0
R	105610	1342	4112	3.9	4949.0	4949.0	4949.0	0.0
S	107630	1560	3040	5.3	4950.4	4950.4	4950.4	0.0
T	111630	1111	4311	3.7	4954.6	4954.6	4954.6	0.0

¹ Feet above State Highway 49 Bridge at Los Lunas

² Floodway confined to channel

REVISED DATA

**REVISED TO
REFLECT LOMR
EFFECTIVE: March 23, 2011**

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY
BERNALILLO COUNTY, NM
AND INCORPORATED AREAS

FLOODWAY DATA

RIO GRANDE