CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Richard Elias
Chairman, Board of Supervisors
Pima County
130 West Congress Street, 11th Floor
Tucson, AZ 85701

Dear Mr. Elias:

The Flood Insurance Rate Map for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which 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 Office 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 Oakland, California, at (510) 627-7175, 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 website at http://www.fema.gov/business/nfip.

Sincerely,

Patrick “Rick” F. Sacbibit, P.E., Branch Chief
Engineering and Modeling Division
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: The Honorable Jonathan Rothschild
Mayor
City of Tucson

Mr. Jacob Prietto, CFM
Principal Hydrologist
Pima County Flood Control District

Mr. Eric Shepp, P.E.
Deputy Director
Pima County Flood Control District

Mr. Terry Hendricks, CFM
Chief Hydrologist
Pima County Flood Control District

Mr. Fred Felix
Floodplain Administrator
City of Tucson
Federal Emergency Management Agency  
Washington, D.C. 20472

LETTER OF MAP REVISION  
DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION

COMMUNITY

Pima County  
Arizona  
(Unincorporated Areas)

COMMUNITY NO.: 040073

IDENTIFIER

Santa Cruz Tributary West Branch

PROJECT DESCRIPTION

CHANNELIZATION

HYDRAULIC ANALYSIS

HYDROLOGIC ANALYSIS

UPDATED TOPOGRAPHIC DATA

BASIS OF REQUEST

APPROXIMATE LATITUDE & LONGITUDE: 32.127, -111.010

SOURCE: USGS QUADRANGLE  
DATUM: NAD 83

ANNOTATED MAPPING ENCLOSURES

TYPE: FIRM*  
NO.: 04019C2270L  
DATE: June 16, 2011

TYPE: FIRM*  
NO.: 04019C2860L  
DATE: June 16, 2011

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012

PROFILE(S): 235P

SUMMARY OF DISCHARGES TABLE: 6

Enclosures reflect changes to flooding sources affected by this revision.
* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Santa Cruz River Tributary West Branch – from just upstream of Valencia Road to just downstream of Los Reales Road

SUMMARY OF REVISIONS

Flooding Source: Santa Cruz River Tributary West Branch

Effective Flooding: Zone AE

Revised Flooding: Zone AE

Increases: YES

Decreases: YES

Effective Flooding: Zone X (shaded)

Revised Flooding: Zone X (unshaded)

Increases: NONE

Decreases: YES

Effective Flooding: BFEs*

Revised Flooding: BFEs*

Increases: YES

Decreases: 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 toll free at 1-877-336-2527 (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/nfip.

Patrick "Rick" F. Sacchiti, P.E., Branch Chief  
Engineering and Modeling Division  
Federal Insurance and Mitigation Administration

19-09-0058P 102-I-A-C
LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

<table>
<thead>
<tr>
<th>CID Number:</th>
<th>040076</th>
<th>Name:</th>
<th>City of Tucson, Arizona</th>
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<td>PROFILE(S): 235P</td>
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<td>SUMMARY OF DISCHARGES TABLE: 6</td>
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</table>

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 toll free at 1-877-338-2627 (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/nfip.

Patrick "Rick" F. Sachibit, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration
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 FIRMs, 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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3661 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at http://www.fema.gov/nfip.

Patrick "Rick" F. Sachibit, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration

19-09-0058P 102-I-A-C
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:

Ms. Juliette Hayes
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway, Suite 1200
Oakland, CA 94607-4052
(510) 627-7211

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 Information eXchange toll-free at 1-877-338-2827 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3001 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at http://www.fema.gov/ nfip.

Patrick "Rick" F. Sacbibeit, P.E., Branch Chef
Engineering and Modeling Division
Federal Insurance and Mitigation Administration
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/fhms/bfe_status/bfe_main.asp

LOCAL NEWSPAPER
Name: Arizona Daily Star
Dates: July 12, 2019 and July 19, 2019

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3801 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on our website at http://www.fema.gov/nfip.

Patrick "Rick" F. Sacibit, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Jonathan Rothschild
Mayor, City of Tucson
City Hall
255 West Alameda Street, 10th Floor
Tucson, AZ 85701

Dear Mayor Rothschild:

The Flood Insurance Rate Map for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which 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 Oakland, California, at (510) 627-7175, 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 website at http://www.fema.gov/business/nfip.

Sincerely,

[Signature]

Patrick "Rick" F. Sacbiti, P.E., Branch Chief
Engineering and Modeling Division
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: The Honorable Richard Elias, Chairman, Board of Supervisors, Pima County
Mr. Eric Shepp, P.E., Deputy Director, Pima County Flood Control District
Mr. Fred Felix, Floodplain Administrator, City of Tucson
Mr. Terry Hendricks, CFM, Chief Hydrologist, Pima County Flood Control District
Mr. Jacob Prietto, CFM, Principal Hydrologist, Pima County Flood Control District
Federal Emergency Management Agency  
Washington, D.C. 20472

LETTER OF MAP REVISION  
DETERMINATION DOCUMENT

<table>
<thead>
<tr>
<th>COMMUNITY AND REVISION INFORMATION</th>
<th>PROJECT DESCRIPTION</th>
<th>BASIS OF REQUEST</th>
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</table>
| CITY OF TUCSON  
PIMA COUNTY  
ARIZONA |
| CHANNELIZATION |
| HYDRAULIC ANALYSIS  
HYDROLOGIC ANALYSIS  
UPDARED TOPOGRAPHIC DATA |

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<th>IDENTIFIER</th>
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<tr>
<td>SANTA CRUZ TRIBUTARY WEST BRANCH</td>
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| ANNOTATED MAPPING ENCLOSURES |
| ANNOTATED STUDY ENCLOSURES |
| TYPE: FIRM*  
NO.: 04019C2270L  
DATE: JUNE 16, 2011 |
| DATE OF EFFECTIVE FLOOD INSURANCE STUDY: SEPTEMBER 28, 2012  
PROFILE(S): 235P  
SUMMARY OF DISCHARGES TABLE: 6 |

Enclosures reflect changes to flooding sources affected by this revision.  
* FIRM - Flood Insurance Rate Map

<table>
<thead>
<tr>
<th>FLOODING SOURCE(S) &amp; REVISED REACH(ES)</th>
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<tr>
<td>SANTA CRUZ RIVER TRIBUTARY WEST BRANCH</td>
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</table>
- FROM JUST UPSTREAM OF VALENCIA ROAD TO JUST DOWNSTREAM OF LOS REALES ROAD |

<table>
<thead>
<tr>
<th>SUMMARY OF REVISIONS</th>
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<tr>
<td>ZONE AE</td>
</tr>
<tr>
<td>ZONE X (SHAD)</td>
</tr>
<tr>
<td>BFE'S</td>
</tr>
</tbody>
</table>
* BFE'S - 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.

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Patrick "Rick" F. Sachbit, P.E., Branch Chief  
Engineering and Modeling Division  
Federal Insurance and Mitigation Administration
# LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

## OTHER COMMUNITIES AFFECTED BY THIS REVISION

<table>
<thead>
<tr>
<th>CID Number: 040073</th>
<th>Name: Pima County, Arizona</th>
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<td>PROFILE(S): 235P</td>
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<td>SUMMARY OF DISCHARGES TABLE: 6</td>
</tr>
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Patrick "Rick" F. Sacchiti, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration
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 FIRMs, 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.

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COMMUNITY REMINDERS

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Patrick "Rick" F. Sabolit, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration

19-09-0056P 102-I-A-C
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:

Ms. Juliette Hayes
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway, Suite 1200
Oakland, CA 94607-4052
(510) 627-7211

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.

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Patrick “Rick” F. Sacchetti, P.E., Branch Chief
Engineering and Modeling Division
Federal Insurance and Mitigation Administration
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

LOCAL NEWSPAPER
Name: Arizona Daily Star
Dates: July 12, 2019 and July 19, 2019

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.
<table>
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<th>DRAINAGE AREA (sq. miles)</th>
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<td>At Pima Street</td>
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<td>SAN JUAN WASH</td>
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<td>1,757</td>
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<td>with Rillito Creek</td>
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<td>16,800</td>
<td>41,000</td>
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<td>93,000</td>
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</tr>
<tr>
<td>At Congress Street</td>
<td>2,222</td>
<td>16,800</td>
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<tr>
<td>At Drexel Road</td>
<td>2,101</td>
<td>16,800</td>
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<td>93,000</td>
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</tr>
<tr>
<td>At Continental Road</td>
<td>1,662</td>
<td>*</td>
<td>*</td>
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</tr>
<tr>
<td>SANTA CRUZ RIVER</td>
<td></td>
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<td>TRIBUTARY WEST BRANCH</td>
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<tr>
<td>At Valencia Road</td>
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<td>*</td>
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<td>SILVERCROFT WASH</td>
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<tr>
<td>At confluence with Santa</td>
<td>13.24</td>
<td>3,500</td>
<td>7,500</td>
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<tr>
<td>Cruz River</td>
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<td>At Grant Road</td>
<td>2.84</td>
<td>910</td>
<td>2,050</td>
<td>2,750</td>
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<td>At Speedway Boulevard</td>
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<td>At U.S. Highway 89</td>
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<td>of Sabino Creek</td>
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REVISED TO REFLECT LOMR EFFECTIVE: November 18, 2019