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 San Antonio Bexar County Texas	NO PROJECT	HYDROLOGIC ANALYSIS HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA FLOODWAY
	COMMUNITY NO.: 480045		
IDENTIFIER	Solana Ridge Subdivision Unit 10	APPROXIMATE LATITUDE AND LONGITUDE: 29.350, -98.635 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 48029C0535F DATE: September 29, 2010	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 29, 2010 PROFILE: 698P SUMMARY OF DISCHARGES TABLE: 6D

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

FLOODING SOURCE & REVISED REACH

Unnamed Tributary 42 in Medio Creek – from approximately 430 feet upstream of the confluence of Unnamed Tributary 43 in Medio Creek to approximately 1,500 feet upstream of the confluence of Unnamed Tributary 43 in Medio Creek

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Unnamed Tributary 42 in Medio Creek	Zone A	Zone AE	YES	YES
	No Floodway	Floodway	YES	YES
	No BFEs*	BFEs*	YES	NONE

* 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, 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.

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

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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.

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. As such, 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, 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
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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 panel and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

For all streams studied in detail in the City of San Antonio, the floodway boundaries are coincident with the base (1-percent-annual-chance) floodplain boundary delineations, and floodways are not shown within the City of San Antonio. Therefore, the regulatory floodway is not shown on the enclosed annotated FIRM for Unnamed Tributary 42 in Medio Creek.

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, 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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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 Web site at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *The San Antonio Express-News*
Dates: 08/14/2013 & 08/21/2013

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 LOMC Clearinghouse, 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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Table 6D - Summary of Discharges - Medina River Watershed *(continued)*

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
MEDIO CREEK *(continued)*					
At confluence with Caracol Creek	29.825	11,598	20,408	24,247	37,294
Approximately 2.000 feet upstream of Military Rd.	19.039	7,652	13,711	16,327	25,223
At confluence with Unnamed Tributary 14 to Medio Creek	15.648	6,487	11,643	13,858	21,399
At confluence with Unnamed Tributary 7 to Medio Creek	10.558	4,472	8,014	9,541	14,723
PLAZA LAKE ON UNNAMED TRIBUTARY 33 IN MEDIO CREEK					
Approximately 1,040 feet upstream of Garden Brook	0.203	532	769	904	1,242
POLECAT CREEK					
Just upstream of the confluence with Medina River	17.922	5,232	9,321	11,144	17,381
At confluence with Unnamed Tributary 4 to Polecat Creek	15.363	4,852	8,505	10,134	15,661
Approximately 1,800 feet downstream of Keller Rd.	9.141	4,359	7,194	8,452	12,586
UNNAMED TRIBUTARY 33 IN MEDIO CREEK					
At confluence with Unnamed Tributary 32 in Medio Creek	0.292	388	546	627	972
UNNAMED TRIBUTARY 42 IN MEDIO CREEK					
Approximately 2,720 feet downstream of Loop 410	0.199	309	470	548	769
UNNAMED TRIBUTARY 5 TO CARACOL CREEK					
Just upstream of confluence with Caracol Creek	0.921	1,238	1,786	2,054	2,824

DATA REVISED BY LOMR EFFECTIVE September 25, 2013

Revised Data

1 Information not available

Salado Creek Watershed

For redelineated streams in the unincorporated areas of Bexar County and City of Kirby, a search of the Flood Plain Information reports prepared by the USACE and the Flood Hazard Analyses report prepared by the SCS yielded a pair of flood-frequency, discharge area curves ranging from 1 to 70 square miles of drainage area (References 51 and 52). For the streams in the City of Kirby, information was also obtained from another FIA report in that

REVISED TO REFLECT LOMR EFFECTIVE: December 19, 2013

area (Reference 31). Flood frequencies are published as the Intermediate Regional Flood, which is defined as one that has a 1-percent annual chance of occurring in a given year, and the Standard Project Flood, which is defined as a flood of such magnitude that is expected to be a reasonable upper limit of meteorlogic and hydrologic conditions.

Based on the frequency that floods greatly exceed the USACE Standard Project Flood, a 0.2-percent-annual-chance frequency curve was drawn higher than the USACE curve, and the lower end of the USACE 1-percent-annual-chance curve (from 1 to approximately 7 square miles) was raised to reflect peak flows.

The 2-and 10-percent-annual-chance curves used in the unincorporated areas of Bexar County were then established parallel to the 0.2-and 1-percent-annualchance curves. A comparison was made between the peak discharges produced by the above method and the subsequently published Schroeder-Massey technique

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FLOOD PROFILES

UNNAMED TRIBUTARY 42 IN MEDIO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

BEXAR COUNTY, TX

AND INCORPORATED AREAS

698P

Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain/Future Base Floodplain

MAP SCALE 1" = 1000'

500 0 1000 FEET

300 0 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0535F

FIRM

FLOOD INSURANCE RATE MAP

BEXAR COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 535 OF 785

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BEXAR COUNTY	480035	0535	F
SAN ANTONIO, CITY OF	480045	0535	F

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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 48029C0535F

MAP REVISED SEPTEMBER 29, 2010

Federal Emergency Management Agency