



Texas Commission on Environmental Quality Waste Permits Division Correspondence Cover Sheet

Date: August 20, 2024

Facility Name: Beck Landfill

Permit or Registration No.: 1848A

Nature of Correspondence:

Initial/New

Response/Revision to TCEQ Tracking No.:
27818258 (from subject line of TCEQ letter
regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

Applications	Reports and Notifications
<input type="checkbox"/> New Notice of Intent	<input type="checkbox"/> Alternative Daily Cover Report
<input type="checkbox"/> Notice of Intent Revision	<input type="checkbox"/> Closure Report
<input type="checkbox"/> New Permit (including Subchapter T)	<input type="checkbox"/> Compost Report
<input type="checkbox"/> New Registration (including Subchapter T)	<input type="checkbox"/> Groundwater Alternate Source Demonstration
<input checked="" type="checkbox"/> Major Amendment	<input type="checkbox"/> Groundwater Corrective Action
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Limited Scope Major Amendment	<input type="checkbox"/> Groundwater Background Evaluation
<input type="checkbox"/> Notice Modification	<input type="checkbox"/> Landfill Gas Corrective Action
<input type="checkbox"/> Non-Notice Modification	<input type="checkbox"/> Landfill Gas Monitoring
<input type="checkbox"/> Transfer/Name Change Modification	<input type="checkbox"/> Liner Evaluation Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Soil Boring Plan
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Special Waste Request
<input type="checkbox"/> Subchapter T Disturbance Non-Enclosed Structure	<input type="checkbox"/> Other:
<input type="checkbox"/> Other:	

Table 2 - Industrial & Hazardous Waste Correspondence

Applications	Reports and Responses
<input type="checkbox"/> New	<input type="checkbox"/> Annual/Biennial Site Activity Report
<input type="checkbox"/> Renewal	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> Post-Closure Order	<input type="checkbox"/> Closure Certification/Report
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Construction Certification/Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> CCR Registration	<input type="checkbox"/> Extension Request
<input type="checkbox"/> CCR Registration Major Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> CCR Registration Minor Amendment	<input type="checkbox"/> Interim Status Change
<input type="checkbox"/> Class 3 Modification	<input type="checkbox"/> Interim Status Closure Plan
<input type="checkbox"/> Class 2 Modification	<input type="checkbox"/> Soil Core Monitoring Report
<input type="checkbox"/> Class 1 ED Modification	<input type="checkbox"/> Treatability Study
<input type="checkbox"/> Class 1 Modification	<input type="checkbox"/> Trial Burn Plan/Result
<input type="checkbox"/> Endorsement	<input type="checkbox"/> Unsaturated Zone Monitoring Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Waste Minimization Report
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Other:
<input type="checkbox"/> 335.6 Notification	
<input type="checkbox"/> Other:	



August 20, 2024

Adam Schnuriger
TCEQ-MSW Permits Section (MC 124)
12100 Park 35 Circle
Austin, TX 78753

Dear Adam:

Re: Beck Landfill, MSW 1848A
Amendment Application-Supplemental NOD Response
Guadalupe County, Texas
TCEQ Tracking No. 27818258

On July 15, 2024, we provided copies of the FEMA Letter of Map Revision approval letters to demonstrate that the site was no longer within the 100-year floodplain. We have revised Attachments C and C2 to reference the approval of the LOMR.

Please call or e-mail me at 512-329-0006 or amehevec@cecinc.com if you have any questions or need additional information related to this submittal.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

A handwritten signature in blue ink, appearing to read 'Adam Mehevec', is positioned above the printed name.

Adam Mehevec, P.E.
Vice President

Attachments: Revised Application Pages

STRIKETHROUGH PAGES

MUNICIPAL SOLID WASTE PERMIT MAJOR AMENDMENT

PART III-ATTACHMENT C FACILITY SURFACE WATER DRAINAGE REPORT



NAME OF PROJECT: Beck Landfill

MSW PERMIT APPLICATION NO.: 1848A

OWNER: Nido, LTD (CN603075011)

OPERATOR: Beck Landfill (RN102310968)

CITY, COUNTY: Schertz, Guadalupe County

Major Amendment: Revised August 2024

Prepared by:



Civil & Environmental Consultants, Inc.

Texas Registration Number F-38

1221 S MoPac Expressway

Suite 350,

Austin, Texas 78746

(512) 329-0006



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Reach Summary		Q ₂₅ (cfs)	Vol ₂₅ (ac-ft)	Vel ₂₅ (fps)	Runoff/on
Outfall North	existing	322.7	67.2	2.9	runoff
	proposed	291.2	60.7	2.5	
	<i>difference %</i>	<i>-10%</i>	<i>-10%</i>	<i>-1.4%</i>	
Outfall West	existing	179.3	27.7	9.6	runoff
	proposed	112.5	13.9	9.6	
	<i>difference %</i>	<i>-37%</i>	<i>-50%</i>	<i>0%</i>	
Outfall South	existing	209.0	40.2	5.2	runoff
	proposed	183.0	40.1	5.2	
	<i>difference %</i>	<i>-13%</i>	<i>-0%</i>	<i>0%</i>	
Outfall East	existing	739.5	151.0	7.3	runoff
	proposed	729.5	147.1	7.3	
	<i>difference %</i>	<i>-1%</i>	<i>-3%</i>	<i>0%</i>	

1. Peak flowrates and volumes computed using HEC-HMS.
2. Velocities for Outfalls West, South, and East taken from HEC-HMS model of Cibolo Creek and represent the 25-year velocity in the creek at the discharge location.

1.2 ATTACHMENT C2 – FLOOD CONTROL ANALYSIS

Attachment C2 is the flood control analysis, which includes demonstrations consistent with the requirements of §330.63(c)(2). The flood control analysis demonstrates that the proposed expansion of the Beck Landfill will not adversely impact flooding conditions in the area. The landfill is proposed to be protected by an earthen berm, which is constructed at least three feet above the calculated water surface for the 100-year flood. The current FEMA map shows that the 100-year floodplain extends onto a portion of the landfill footprint, however, this map is based on topographic data from before the perimeter berm associated with the current landfill was completed. A Letter of Map Revision (LOMR) application has been ~~approved by~~ ~~submitted to~~ FEMA to revise the map to accurately depict the extents of the floodplain. Additional discussion related to the LOMR ~~application~~ is included in Attachment C2.

The proposed stormwater pond for the landfill is within the 100 year floodplain and a no-rise certification has been submitted to the City of Schertz for the pond. In order to offset the loss of flow area in the floodplain from the pond berm, the area south of the new pond is proposed to be excavated to enhance flow through Cibolo Creek. Based on the modeling in the no-rise certification, there is no increase in the calculated water surface elevation of the floodplain from the pond construction, since the areas along the creek will be excavated to completely offset any effects of the new pond.

MUNICIPAL SOLID WASTE PERMIT MAJOR AMENDMENT

PART III-ATTACHMENT C2 - FLOOD CONTROL ANALYSIS



NAME OF PROJECT: Beck Landfill

MSW PERMIT APPLICATION NO.: 1848A

OWNER: Nido, LTD (CN603075011)

OPERATOR: Beck Landfill (RN102310968)

CITY, COUNTY: Schertz, Guadalupe County

Major Amendment: Revised ~~September 2023~~ August 2024

Prepared by:



Civil & Environmental Consultants, Inc.

Texas Registration Number F-38
1221 S MoPac Expressway
Suite 350,
Austin, Texas 78746
(512) 329-0006



TABLE OF CONTENTS

Discussion of 100 Year Floodplain.....C2-1

Figure C2-1 Effective FEMA Flood Insurance Rate Map (FIRM)

Figure C2-2 Topographic Work Map from LOMR Application Showing Revised Floodplain

Signature Page from City of Schertz for LOMR Application

APPENDIX C2-A

LOMR Application and Approval Letter

APPENDIX C2-B

No-Rise Certification for Proposed Stormwater Pond

APPENDIX C2-C

FEMA Correspondence



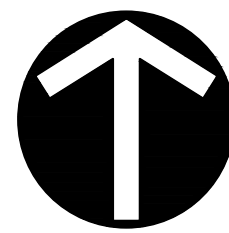
Discussion of 100 Year Floodplain

The current FEMA map panels for the area around the landfill property are numbers 48187C0210F & 48029C0295F, which were revised in 2007 and 2010, respectively. At the time the model for these panels was created, the Beck Landfill was permitted to be filled to its final grades, but not yet constructed to an extent where the entire footprint was above the calculated 100-year water surface. FEMA modeled this permitted future condition by placing blocked obstructions on the cross-sections that traverse the landfill footprint, so that the model accounted for the authorized final condition of the landfill. FEMA then extended the floodplain across the portions of the landfill that had not yet been constructed above the 100-year water surface elevations.

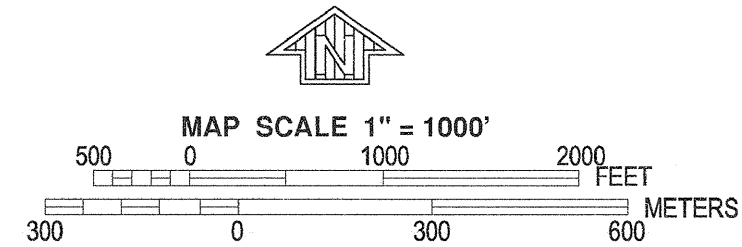
To prevent the wash-out of waste by a flood event, the entire landfill footprint is encompassed by a compacted clay berm, which extends above the current 100-year flood elevation. As part of the amendment application, Beck Landfill is proposing to extend the berm 10 feet vertically to provide additional freeboard above the 100-year event. The entire footprint of the landfill and perimeter berm is currently constructed above the 100-year water surface and Beck Landfill ~~has~~ submitted a LOMR application to the City of Schertz and FEMA to revise the affected panels to accurately reflect the lateral extents of the floodplain. The LOMR application has updated cross-sections affected by the landfill with current topography and re-delineated the extents of the floodplain. The floodway shown on these panels was also revised to reflect the updated topography. The LOMR application maintains the hydrologic flow values included in the effective FEMA model.

The City of Schertz has approved the LOMR application and a copy of their concurrence is included in this section. The LOMR has ~~also~~ been ~~approved~~~~submitted to by~~ FEMA ~~and has been assigned under~~ Case No. 22-06-2567P. A complete copy of the LOMR application ~~and approval letter~~ ~~is~~are included in Appendix C2-A.

In compliance with 30 TAC §330.63(c)(2)(C), the following table has been prepared to show the projected 100 year flood elevation, top of the existing perimeter berm, and top of the proposed perimeter berm at each cross-section used in the HEC-RAS hydraulic model that was ~~submitted to~~~~approved by~~ FEMA as part of the LOMR application. The locations of each of these cross-sections are shown on Figure C2-2.



NORTH



PANEL 0220F

FIRM FLOOD INSURANCE RATE MAP GUADALUPE COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 220 OF 480 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

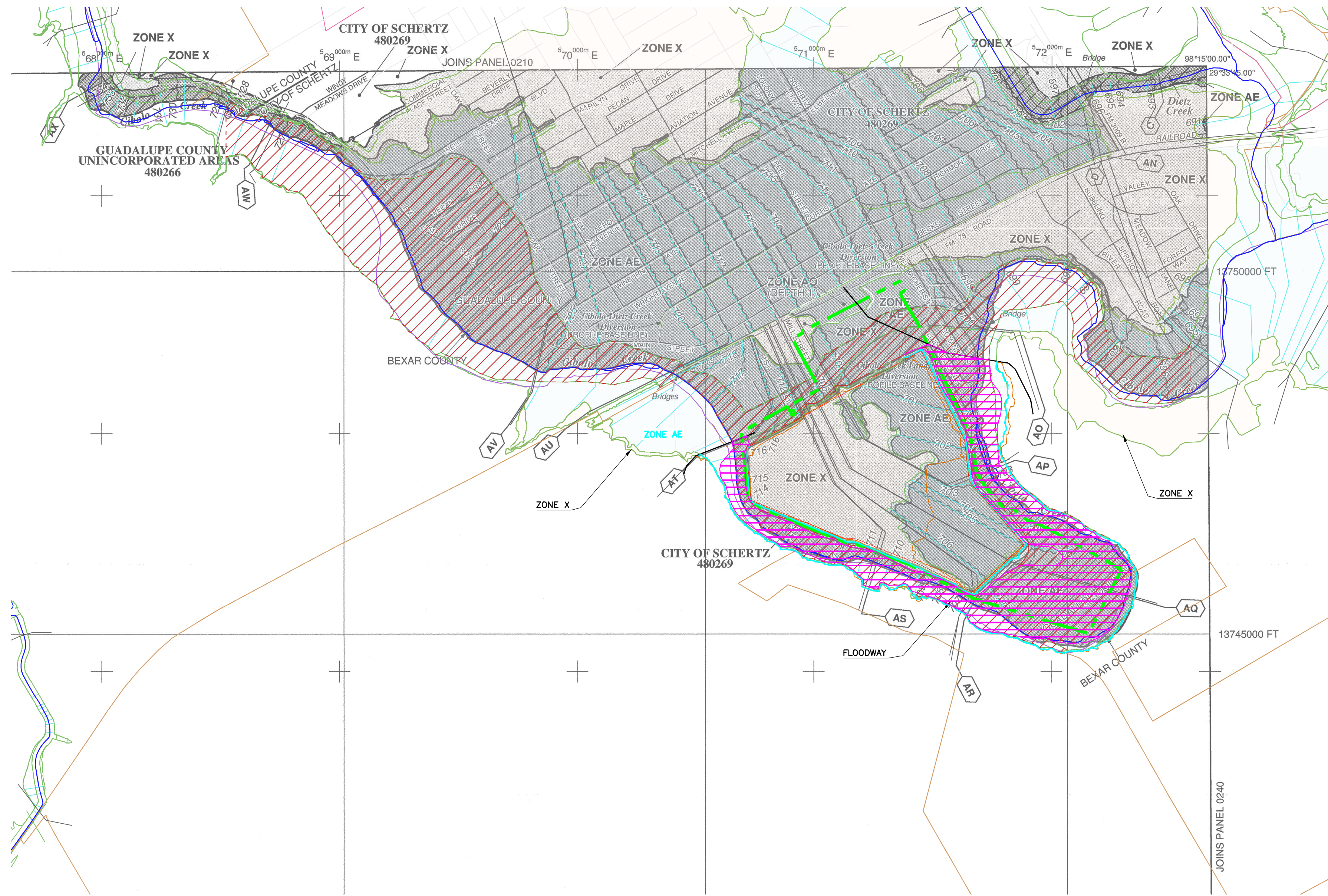
COMMUNITY	NUMBER	PANEL	SUFFIX
GUADALUPE COUNTY	480266	0220	F
SCHERTZ, CITY OF	480269	0220	F

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 48187C0220F
EFFECTIVE DATE NOVEMBER 2, 2007

Federal Emergency Management Agency



LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION 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 decertified. 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 V** Coastal flood zone with velocity hazard (wave action); 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.
ZONE D 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**
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
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*
Cross section line
Transect line
- OTHERWISE PROTECTED AREAS (OPAs)**

LEGEND

- LANDFILL PERMIT BOUNDARY
- LANDFILL FOOTPRINT BOUNDARY

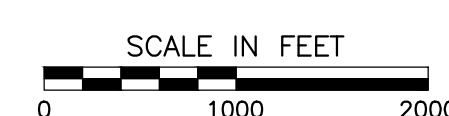
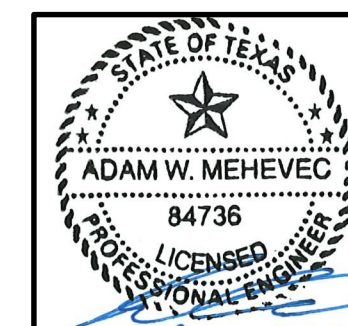
REFERENCE
AERIAL IMAGERY PROVIDER: GOOGLE EARTH; DATE OF PHOTOGRAPHY: 11/22/2019.
ELEVATION CONTOURS: STRATEGIC MAPPING PROGRAM (STRATMAP) CENTRAL TEXAS LIDAR, 2017-01-01 (DATA COLLECTION PERIOD: 01/28/2017 THROUGH 03/22/2017).

NO.	DATE	DESCRIPTION
1	7/5/2003	TECHNOLOGICAL LINE TYPE FOR PERMIT BOUNDARY

Civil & Environmental Consultants, Inc.
Texas Registered Engineering Firm F-38
3711 South Mofac Expressway - Building 1, Suite 550 - Austin, TX 78746
Ph: 512.439.0400 - Fax: 512.329.0096
www.cecinc.com

BECK LANDFILL EXPANSION
600 FM 78, SCHERTZ, TEXAS 78154
GUADALUPE COUNTY, TEXAS

FLOOD INSURANCE RATE MAP (FIRM) 48187C0220F	
DATE:	12/21/2022
DRAWN BY:	JCM
CHECKED BY:	ADAM W. MEHEVEC
PROJECT NO.:	311-653 SITE
APPROVED BY:	AWM



DRAWING NO. **C2-1**
SHEET C2-1 OF C2-1

A:\170-2001\171-651-0002\001\001\171853-001-02-1 Effective FIRMmap.dwg(2-1) 12/21/2022 - amw(mec) - LP: 8/20/2024 5:15 PM



REFERENCE
 DATUM: TX83-SCF: NAD83 Texas State Planes, South Central Zone, US Foot. Vertical Datum: NAVD 88.
 ELEVATION CONTOURS: STRATEGIC MAPPING PROGRAM (STRATMAP) CENTRAL TEXAS LIDAR, 2017-01-01 (DATA COLLECTION PERIOD: 01/28/2017 THROUGH 03/22/2017).
 FLOODPLAIN DATA: FEMA NATIONAL FLOOD HAZARD LAYER (NFHL), 2021-08-18, PUBLICLY AVAILABLE GIS.
 THE PORTION OF THE STUDY AREA WITHIN THE UNINCORPORATED PORTION OF BEXAR COUNTY USES NOAA ATLAS-14 RAINFALL DATA. THE PORTION WITHIN THE CITY OF SCHERTZ USES THE EFFECTIVE FEMA MODEL RAINFALL DATA.

LEGEND

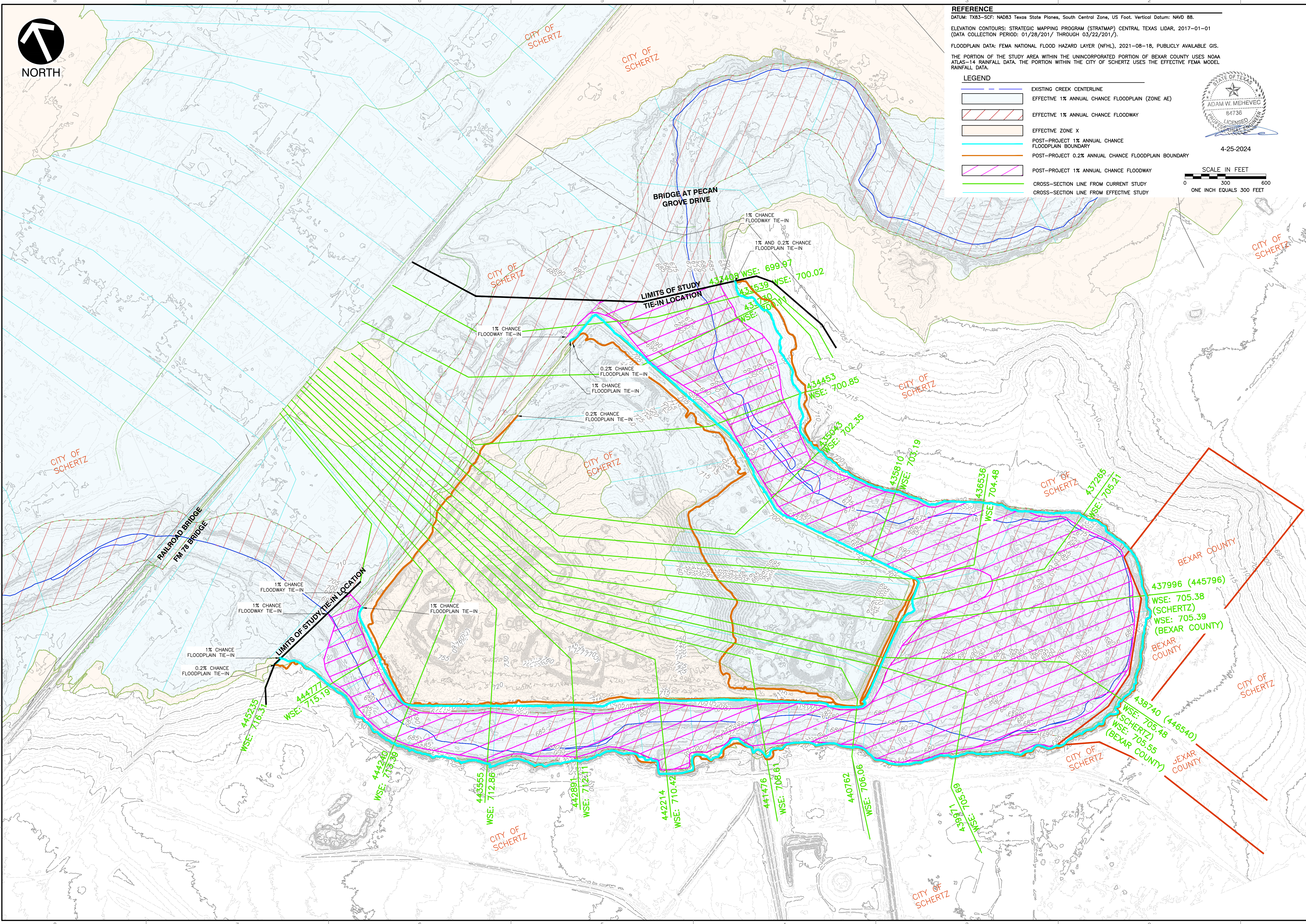
- EXISTING CREEK CENTERLINE
- EFFECTIVE 1% ANNUAL CHANCE FLOODPLAIN (ZONE AE)
- EFFECTIVE 1% ANNUAL CHANCE FLOODWAY
- EFFECTIVE ZONE X
- POST-PROJECT 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
- POST-PROJECT 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
- POST-PROJECT 1% ANNUAL CHANCE FLOODWAY
- CROSS-SECTION LINE FROM CURRENT STUDY
- CROSS-SECTION LINE FROM EFFECTIVE STUDY

STATE OF TEXAS
 ADAM W. MEHEVEC
 84736
 LICENSED PROFESSIONAL ENGINEER
 4-25-2024

SCALE IN FEET
 0 300 600
 ONE INCH EQUALS 300 FEET

NO.	DATE	DESCRIPTION
1	7/26/2023	REVIEW LIMITS OF STUDY
2	10/03/23	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN
3	11/03/23	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN
4	2/23/2024	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN

A:\170-2021\171-651-0000\Drawings\171651-001-TopographicMap-Beck Landfill Expansion.mxd | LS(4/25/2024 - emmewee) - LP: 4/25/2024 7:59 AM



TOPOGRAPHIC WORK MAP

DATE: 4/25/2024 | DRAWN BY: JCM
 DWG SCALE: 1" = 300' | CHECKED BY: JCM
 PROJECT NO: 311-653 SITE
 APPROVED BY: AWM

C2-2

SHEET 2 OF 4

Civil & Environmental Consultants, Inc.
 3711 South McRae Expressway - Building 1, Suite 550 - Austin, TX 78746
 Ph: 512.439.0400 - Fax: 512.329.0096
 www.cecninc.com

BECK LANDFILL
APPENDIX C2-A
LOMR Application and Approval Letter



Federal Emergency Management Agency

Washington, D.C. 20472

June 18, 2024

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Peter Sakai
Bexar County Judge
101 West Nueva Street, 10th Floor
San Antonio, TX 78205

IN REPLY REFER TO:

Case No.: 22-06-2567P
Community Name: Bexar County, TX
Community No.: 480035
Effective Date of
This Revision: November 4, 2024

Dear Judge Sakai:

The Flood Insurance Study (FIS) report and Flood Insurance Rate Map (FIRM) 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 enclosures 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Sincerely,

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services 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: The Honorable Ralph Gutierrez
Mayor, City of Schertz

Doug Letbetter, CFM
Floodplain Administrator
City of Schertz

Robert Brach, P.E., CFM
Floodplain Administrator
Bexar County

Adam Mehevec, P.E.
Vice President
Civil and Environmental Consultants, Inc.



Federal Emergency Management Agency

Washington, D.C. 20472

June 18, 2024

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Ralph Gutierrez
Mayor, City of Schertz
1400 Schertz Parkway
Schertz, TX 78154

IN REPLY REFER TO:

Case No.: 22-06-2567P
Community Name: City of Schertz, TX
Community No.: 480269
Effective Date of
This Revision: November 4, 2024

Dear Mayor Gutierrez:

The Flood Insurance Study (FIS) report and Flood Insurance Rate Map (FIRM) 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 enclosures 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Sincerely,

Patrick "Rick" F. Sacbabit, P.E., Branch Chief
Engineering Services 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: The Honorable Peter Sakai
Bexar County Judge

Robert Brach, P.E., CFM
Floodplain Administrator
Bexar County

Doug Letbetter, CFM
Floodplain Administrator
City of Schertz

Adam Mehevec, P.E.
Vice President
Civil and Environmental Consultants, Inc.



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 Schertz Bexar and Guadalupe Counties Texas	FILL	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 480269		
IDENTIFIER	Beck Landfill	APPROXIMATE LATITUDE AND LONGITUDE: 29.547, -98.264 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 48029C0295F DATE: September 29, 2010 TYPE: FIRM* NO.: 48187C0220F DATE: November 2, 2007		Bexar County DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 19, 2023 PROFILES: 40P, 41P Guadalupe County DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 27, 2024 PROFILES: 19P, 20P FLOODWAY DATA TABLE: 23	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE AND REVISED REACH

Cibolo Creek - from approximately 280 feet upstream of Nu Pecan Grove to approximately 1,050 feet downstream of FM 78

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Cibolo Creek	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone AE	Zone AE	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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 480035 **Name:** Bexar County, Texas

AFFECTED MAP PANELS

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

TYPE: FIRM* NO.: 48029C0295F DATE: September 29, 2010

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 19, 2023
PROFILES: 40P, 41P

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency

Washington, D.C. 20472

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 base (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 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 revision has met our criteria for removing an area from the base 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

**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:

Roosevelt Grant
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
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.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

**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: *San Antonio Business Journal*

Dates: June 28, 2024 and July 5, 2024

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.

A handwritten signature in black ink, appearing to read "Rick Sacbibit".

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Table 23: Floodway Data, (continued)

LOCATION		FLOODWAY				1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
AK	418,516	1,906/190	19,543	5.1	672.9	672.9	673.6	0.7	
AL	419,470	2,490/113	16,568	6.0	677.3	677.3	677.8	0.5	
AM	423,625	693/52	11,662	8.6	686.1	686.1	687.0	0.9	
AN	427,183	592/521	14,018	6.2	695.1	695.1	696.1	1.0	
AO	432,987	800/631	15,893	5.5	699.9	699.9	700.7	0.8	
AP	435,041	423 / 236	10,722	7.0	702.3	702.3	702.6	0.3	
AQ	437,996	1,476 / 23	29,239	2.6	705.4	705.4	706.0	0.6	
AR	440,762	260 / 100	6,535	11.4	706.1	706.1	706.7	0.6	
AS	442,214	498 / 142	8,907	8.4	710.4	710.4	711.1	0.7	
AT	444,777	351 / 128	9,205	8.1	715.2	715.2	715.8	0.6	
AU	446,577	435/199	11,130	7.5	720.1	720.1	720.3	0.2	
AV	448,507	1,025/862	23,287	4.3	725.4	725.4	725.4	0.0	
AW	453,783	661/169	10,812	9.2	727.2	727.2	727.3	0.1	
AX	456,713	446/310	11,277	8.9	734.4	734.4	734.9	0.5	
AY	457,901	412/113	9,648	10.4	736.2	736.2	736.6	0.4	
AZ	459,264	457/268	12,019	8.3	741.1	741.1	741.4	0.3	
BA	460,345	499/223	11,748	8.5	743.4	743.4	743.7	0.3	
BB	466,729	408/139	11,482	8.7	755.6	755.6	756.4	0.8	
BC	471,196	1,496/824	29,405	3.4	763.0	763.0	763.8	0.8	

¹Stream distance in feet above confluence with San Antonio River

²Width/Width Within County

REVISED DATA

REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024

FEDERAL EMERGENCY MANAGEMENT AGENCY

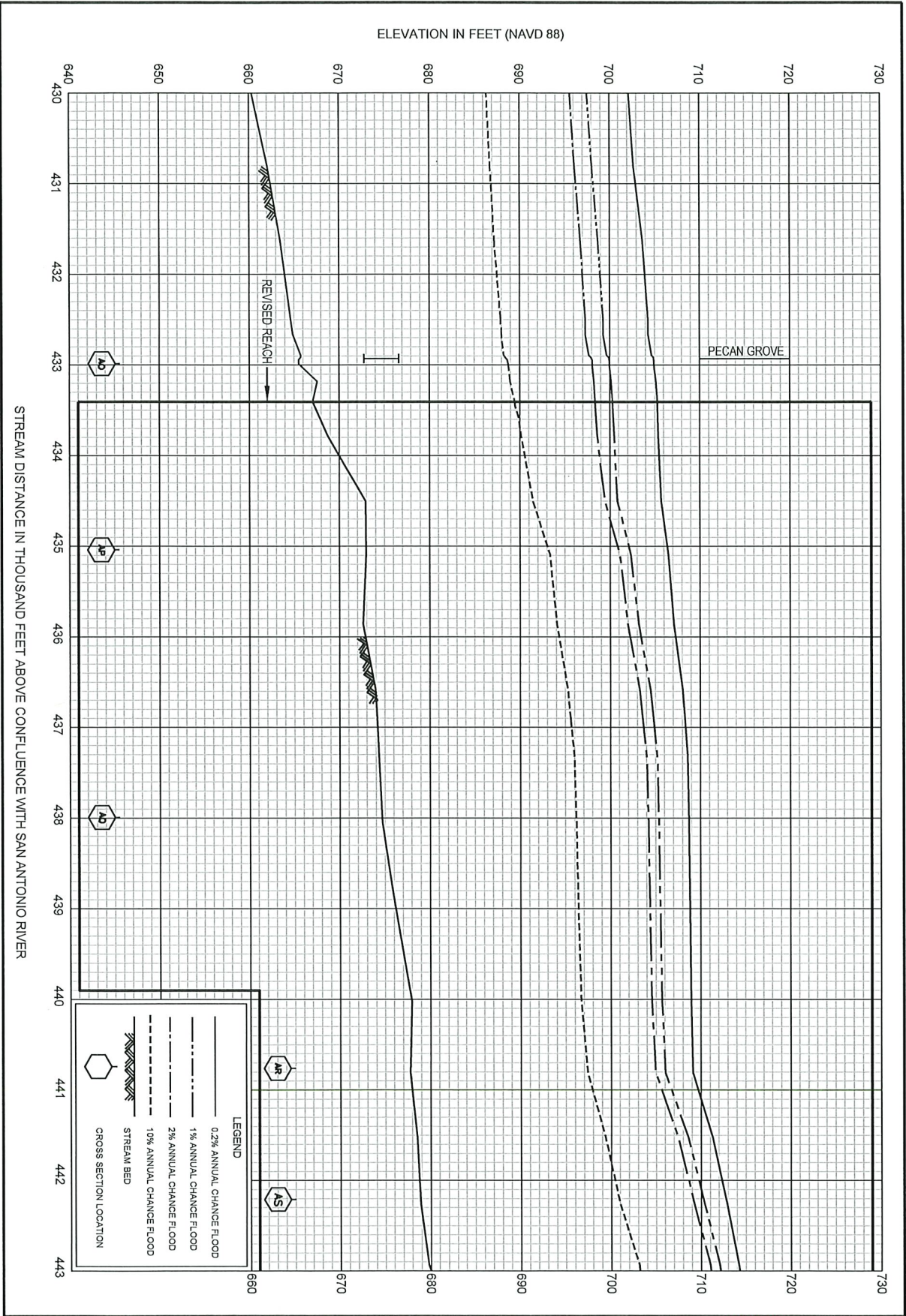
FLOODWAY DATA

GUADALUPE COUNTY, TEXAS

FLOODING SOURCE: CIBOLO CREEK

AND INCORPORATED AREAS

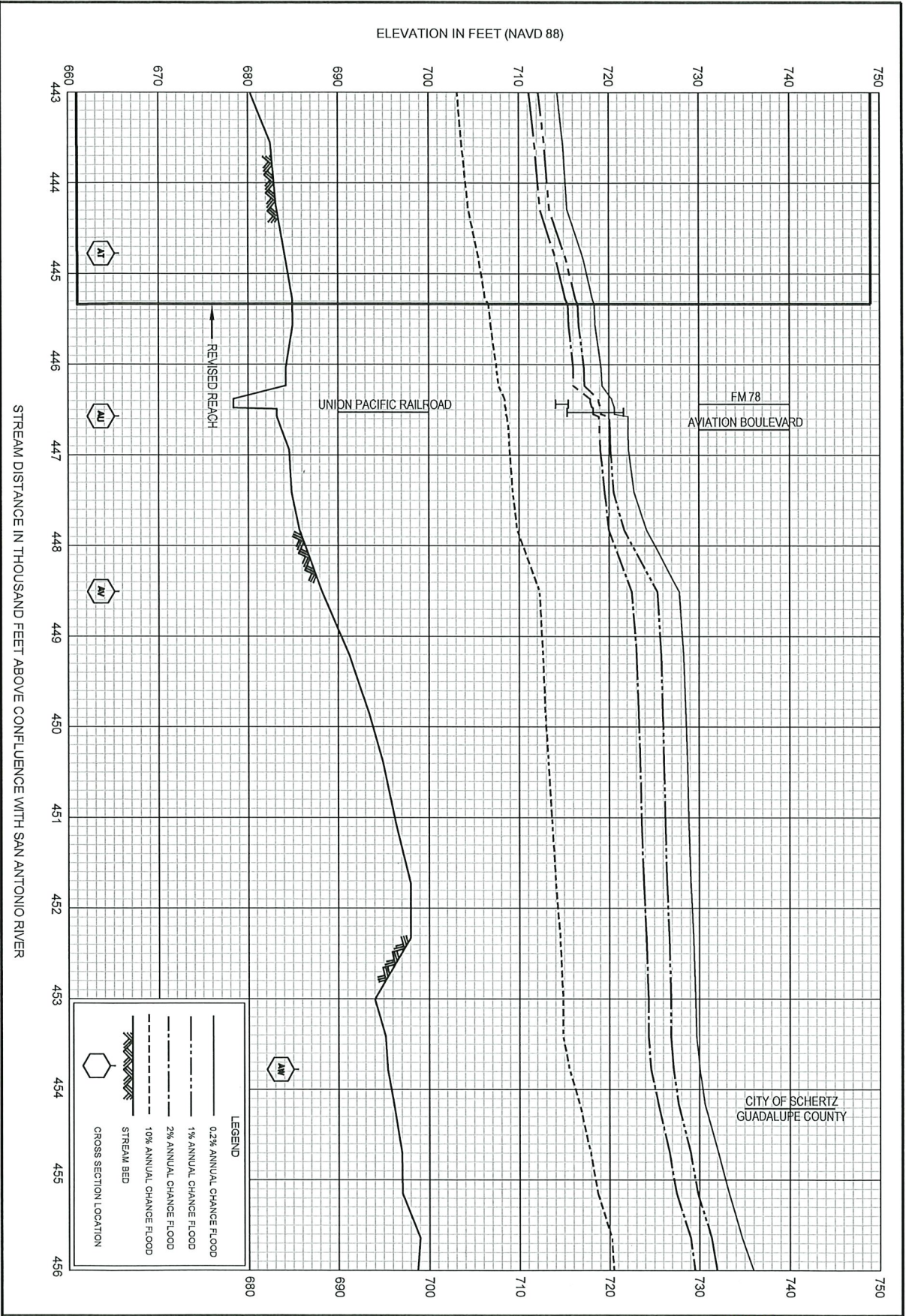
TABLE 23



STREAM DISTANCE IN THOUSAND FEET ABOVE CONFLUENCE WITH SAN ANTONIO RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
 GUADALUPE COUNTY, TX
 AND INCORPORATED AREAS

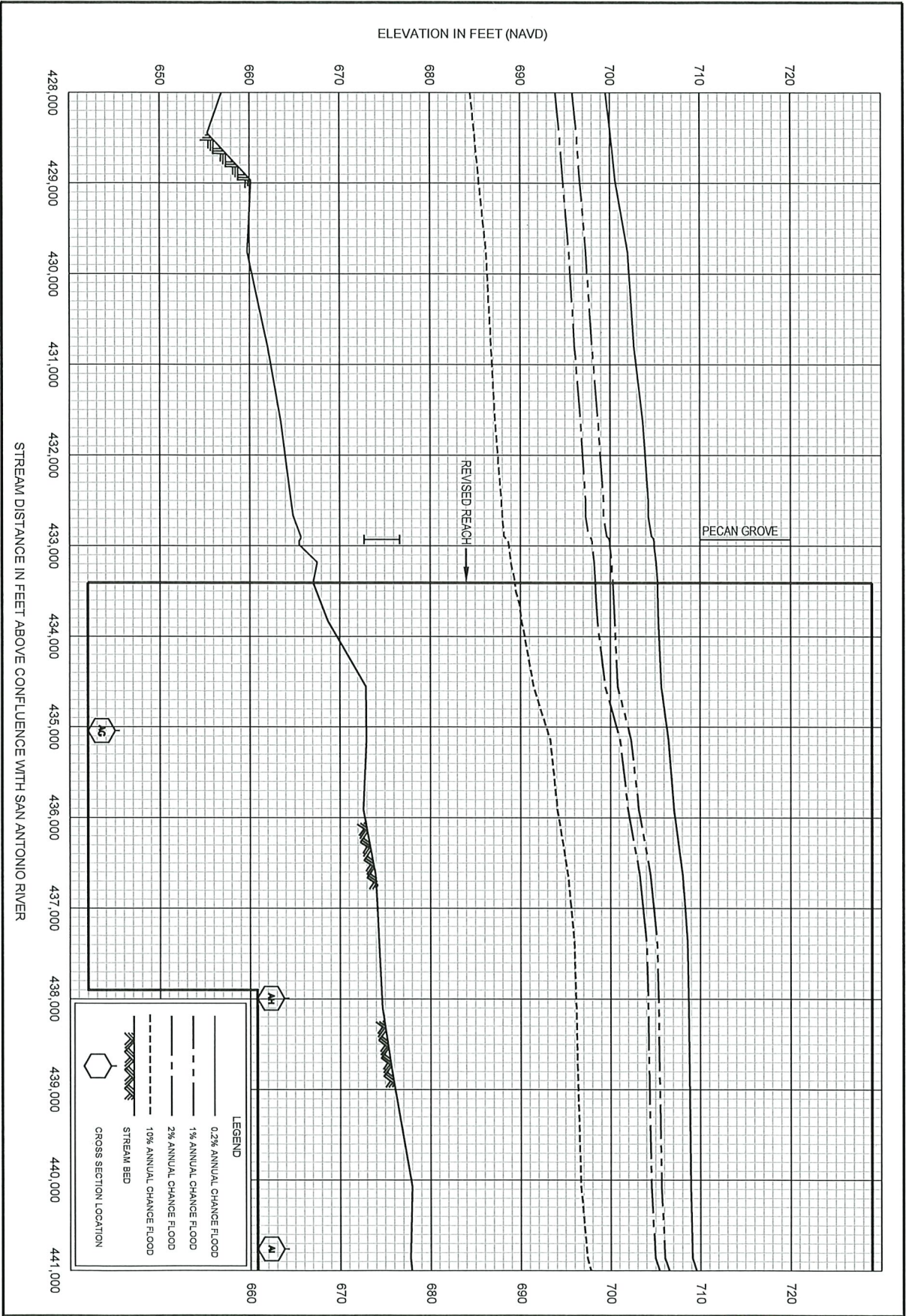
FLOOD PROFILES
 REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024
 CIBOLO CREEK



FEDERAL EMERGENCY MANAGEMENT AGENCY
GUADALUPE COUNTY, TX
 AND INCORPORATED AREAS

FLOOD PROFILES REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024
CIBOLO CREEK

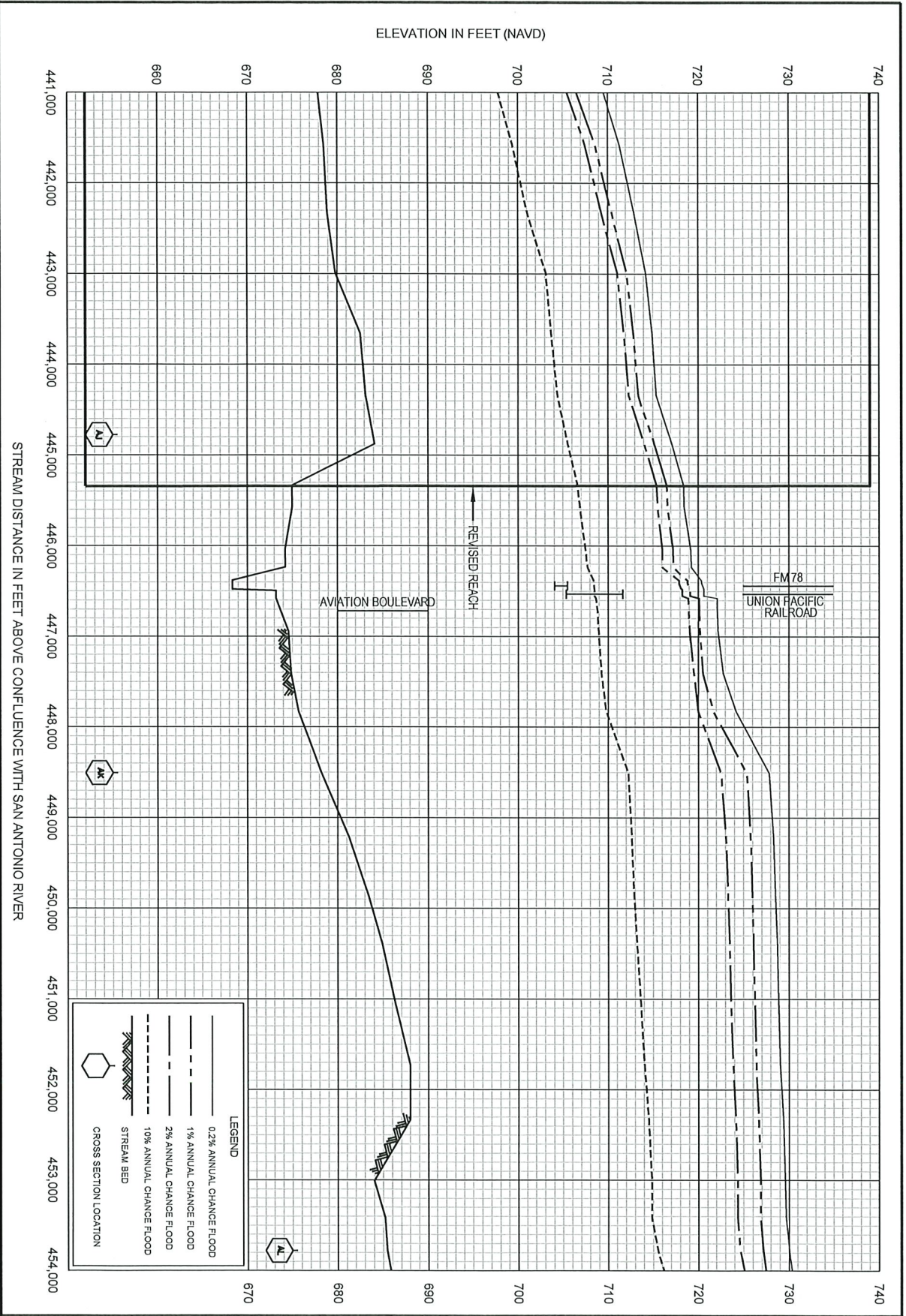
20P

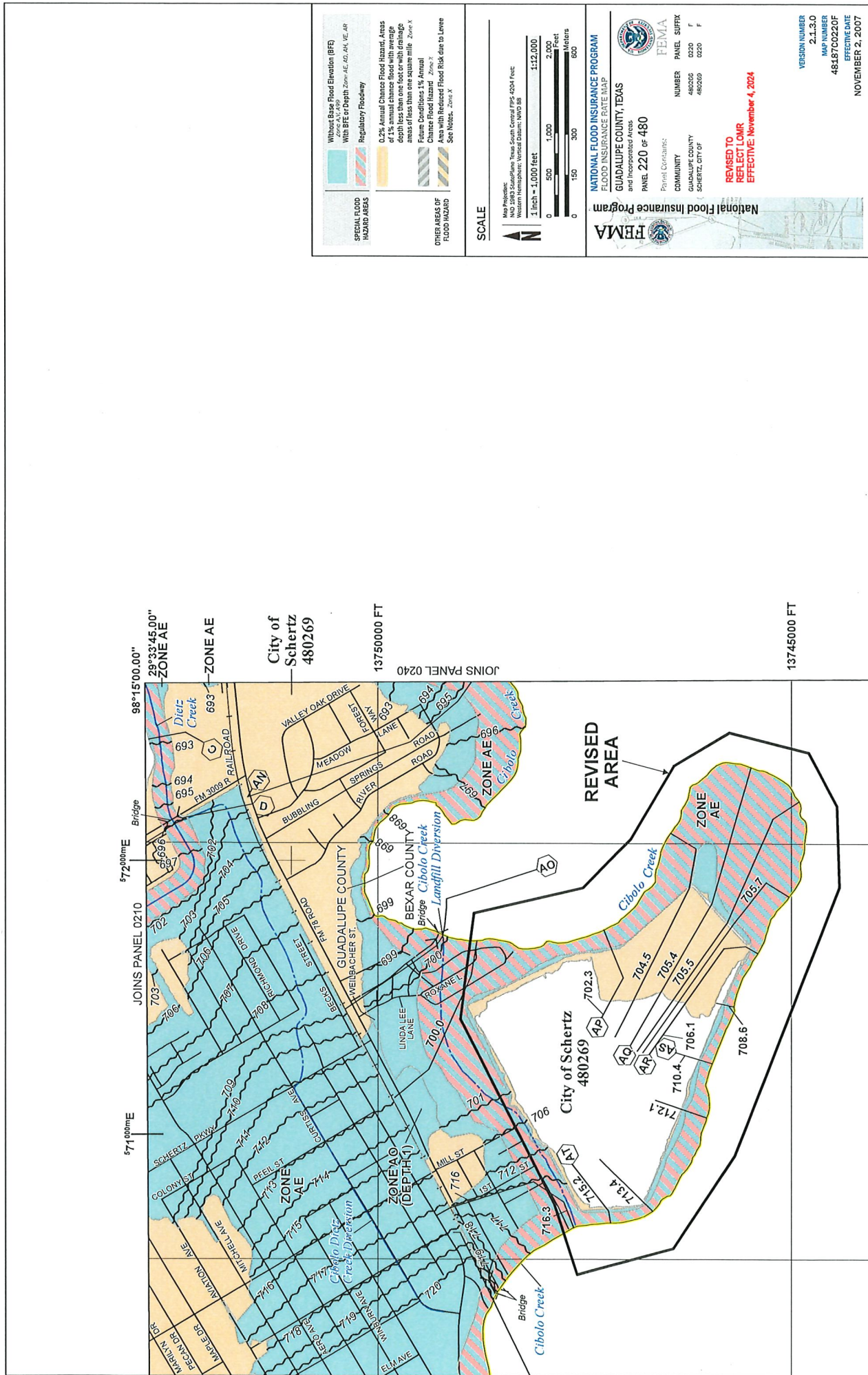


FEDERAL EMERGENCY MANAGEMENT AGENCY
 BEXAR COUNTY, TX
 AND INCORPORATED AREAS

FLOOD PROFILES
 REVISED TO REFLECT LOMR
 EFFECTIVE: November 4, 2024
 CIBOLO CREEK

40P





Without Base Flood Elevation (BFE)
 Zone AE, Zone A0, Zone A1, Zone A2, Zone A3, Zone A4, Zone A5, Zone A6, Zone A7, Zone A8, Zone A9, Zone A10, Zone A11, Zone A12, Zone A13, Zone A14, Zone A15, Zone A16, Zone A17, Zone A18, Zone A19, Zone A20, Zone A21, Zone A22, Zone A23, Zone A24, Zone A25, Zone A26, Zone A27, Zone A28, Zone A29, Zone A30, Zone A31, Zone A32, Zone A33, Zone A34, Zone A35, Zone A36, Zone A37, Zone A38, Zone A39, Zone A40, Zone A41, Zone A42, Zone A43, Zone A44, Zone A45, Zone A46, Zone A47, Zone A48, Zone A49, Zone A50, Zone A51, Zone A52, Zone A53, Zone A54, Zone A55, Zone A56, Zone A57, Zone A58, Zone A59, Zone A60, Zone A61, Zone A62, Zone A63, Zone A64, Zone A65, Zone A66, Zone A67, Zone A68, Zone A69, Zone A70, Zone A71, Zone A72, Zone A73, Zone A74, Zone A75, Zone A76, Zone A77, Zone A78, Zone A79, Zone A80, Zone A81, Zone A82, Zone A83, Zone A84, Zone A85, Zone A86, Zone A87, Zone A88, Zone A89, Zone A90, Zone A91, Zone A92, Zone A93, Zone A94, Zone A95, Zone A96, Zone A97, Zone A98, Zone A99, Zone A100

Regulatory Floodway

0.2% Annual Chance Flood Hazard Areas of less than one foot or with drainage areas of less than one square mile. Zone X

Future Conditions 1% Annual Chance Flood Hazard Zone X

Area with Reduced Flood Risk due to Levee See Notes. Zone X

SPECIAL FLOOD HAZARD AREAS

OTHER AREAS OF FLOOD HAZARD

SCALE

Map Projection: UTM, Zone 16N, South Central Grid, 4004 Feet
 Western Hemisphere; Vertical Datum: NAVD 88

1 Inch = 1,000 Feet

0 500 1,000 2,000 4,000 Feet

0 150 300 600 Meters

112,000

2,000

400

600

800

1,000

1,200

1,400

1,600

1,800

2,000

2,200

2,400

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8,800

9,000

9,200

9,400

9,600

9,800

10,000

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

GUADALUPE COUNTY, TEXAS
 and Incorporated Areas

PANEL 220 of 480

Panel Contains:

COMMUNITY
 GUADALUPE COUNTY
 SCHERTZ CITY OF

NUMBER
 48000 F
 48020 F

PANEL SUFFIX
 F
 F

FEMA

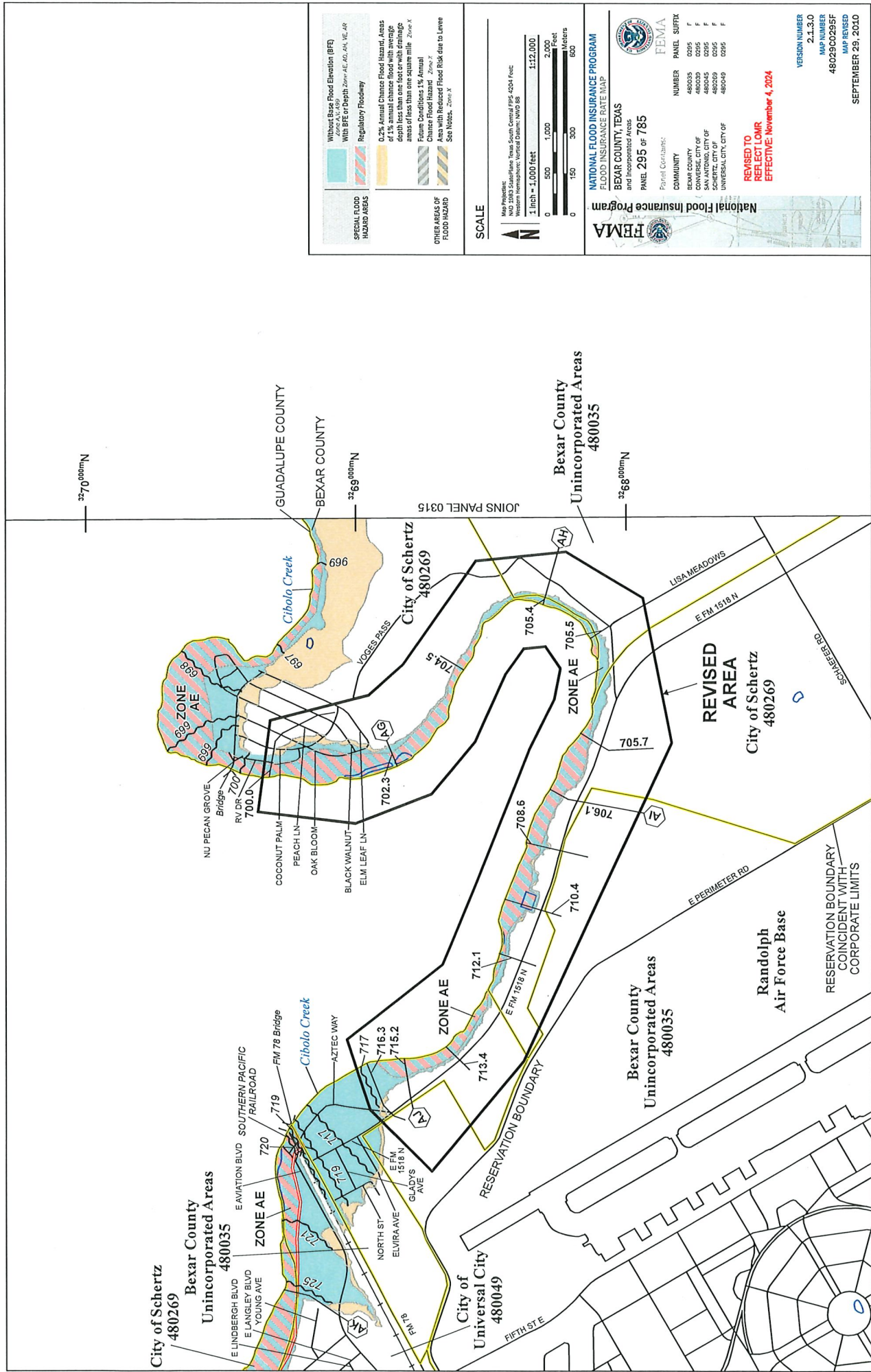
National Flood Insurance Program

REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024

VERSION NUMBER
 2.1.3.0

MAP NUMBER
 48487C0220F

EFFECTIVE DATE
 NOVEMBER 2, 2007



Without Base Flood Elevation (BFE)
Zone X, Zone X-1, Zone X-2, Zone X-3, Zone X-4, Zone X-5, Zone X-6, Zone X-7, Zone X-8

Special Flood Hazard Areas

Regulatory Floodway

0.2% Annual Chance Flood Hazard Areas
 Areas with a 0.2% annual chance of flooding. Average depth less than one foot or with drainage areas of less than one square mile. Zone X

Future Conditions 1% Annual Chance Flood Hazard
Zone X-1

Area with Reduced Flood Risk due to Levee
Zone X-2

Other Areas of Flood Hazard
Zone X-3, Zone X-4, Zone X-5, Zone X-6, Zone X-7, Zone X-8

SCALE

Map Projection: NAD 83
 Vertical Datum: NAVD 83

1 inch = 1,000 feet

0 500 1,000 1,500 2,000 Feet

0 150 300 450 600 Meters

NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP

BEXAR COUNTY, TEXAS
 and Incorporated Areas

PANEL 295 of 785

Panel Contains:
 BEXAR COUNTY
 SAN ANTONIO, CITY OF
 SCHERTZ, CITY OF
 UNIVERSAL CITY OF

NUMBER	PANEL SUFFIX
480035	F
480049	F
480269	F
480049	F

REVISOR TO REFLECT LOWR EFFECTIVE: November 4, 2024

VERSION NUMBER: 2.1.3.0
 MAP NUMBER: 48029C0295F
 MAP REVISED: SEPTEMBER 29, 2010

CLEAN PAGES

MUNICIPAL SOLID WASTE PERMIT MAJOR AMENDMENT

PART III-ATTACHMENT C FACILITY SURFACE WATER DRAINAGE REPORT



NAME OF PROJECT: Beck Landfill

MSW PERMIT APPLICATION NO.: 1848A

OWNER: Nido, LTD (CN603075011)

OPERATOR: Beck Landfill (RN102310968)

CITY, COUNTY: Schertz, Guadalupe County

Major Amendment: Revised August 2024

Prepared by:



Civil & Environmental Consultants, Inc.

Texas Registration Number F-38
1221 S MoPac Expressway
Suite 350,
Austin, Texas 78746
(512) 329-0006



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1.0	Narrative.....	1
1.1	Attachment C1 – Drainage Analysis and Design	1
1.2	Attachment C2 – Flood Control Analysis.....	2
1.3	Attachment C3 – Drainage System Plans and Details	3



Reach Summary		Q ₂₅ (cfs)	Vol ₂₅ (ac-ft)	Vel ₂₅ (fps)	Runoff/on
Outfall North	existing	322.7	67.2	2.9	runoff
	proposed	291.2	60.7	2.5	
	<i>difference %</i>	<i>-10%</i>	<i>-10%</i>	<i>-1.4%</i>	
Outfall West	existing	179.3	27.7	9.6	runoff
	proposed	112.5	13.9	9.6	
	<i>difference %</i>	<i>-37%</i>	<i>-50%</i>	<i>0%</i>	
Outfall South	existing	209.0	40.2	5.2	runoff
	proposed	183.0	40.1	5.2	
	<i>difference %</i>	<i>-13%</i>	<i>-0%</i>	<i>0%</i>	
Outfall East	existing	739.5	151.0	7.3	runoff
	proposed	729.5	147.1	7.3	
	<i>difference %</i>	<i>-1%</i>	<i>-3%</i>	<i>0%</i>	

1. Peak flowrates and volumes computed using HEC-HMS.
2. Velocities for Outfalls West, South, and East taken from HEC-HMS model of Cibolo Creek and represent the 25-year velocity in the creek at the discharge location.

1.2 ATTACHMENT C2 – FLOOD CONTROL ANALYSIS

Attachment C2 is the flood control analysis, which includes demonstrations consistent with the requirements of §330.63(c)(2). The flood control analysis demonstrates that the proposed expansion of the Beck Landfill will not adversely impact flooding conditions in the area. The landfill is proposed to be protected by an earthen berm, which is constructed at least three feet above the calculated water surface for the 100-year flood. The current FEMA map shows that the 100-year floodplain extends onto a portion of the landfill footprint, however, this map is based on topographic data from before the perimeter berm associated with the current landfill was completed. A Letter of Map Revision (LOMR) application has been approved by FEMA to revise the map to accurately depict the extents of the floodplain. Additional discussion related to the LOMR is included in Attachment C2.

The proposed stormwater pond for the landfill is within the 100 year floodplain and a no-rise certification has been submitted to the City of Schertz for the pond. In order to offset the loss of flow area in the floodplain from the pond berm, the area south of the new pond is proposed to be excavated to enhance flow through Cibolo Creek. Based on the modeling in the no-rise certification, there is no increase in the calculated water surface elevation of the floodplain from the pond construction, since the areas along the creek will be excavated to completely offset any effects of the new pond.

MUNICIPAL SOLID WASTE PERMIT MAJOR AMENDMENT

PART III-ATTACHMENT C2 - FLOOD CONTROL ANALYSIS



NAME OF PROJECT: Beck Landfill

MSW PERMIT APPLICATION NO.: 1848A

OWNER: Nido, LTD (CN603075011)

OPERATOR: Beck Landfill (RN102310968)

CITY, COUNTY: Schertz, Guadalupe County

Major Amendment: Revised August 2024

Prepared by:



Civil & Environmental Consultants, Inc.

Texas Registration Number F-38
1221 S MoPac Expressway
Suite 350,
Austin, Texas 78746
(512) 329-0006



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Discussion of 100 Year Floodplain.....C2-1

Figure C2-1 Effective FEMA Flood Insurance Rate Map (FIRM)

Figure C2-2 Topographic Work Map from LOMR Application Showing Revised Floodplain

Signature Page from City of Schertz for LOMR Application

APPENDIX C2-A

LOMR Application and Approval Letter

APPENDIX C2-B

No-Rise Certification for Proposed Stormwater Pond

APPENDIX C2-C

FEMA Correspondence



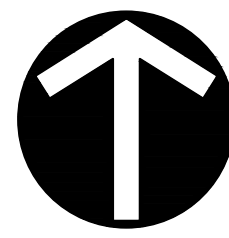
Discussion of 100 Year Floodplain

The current FEMA map panels for the area around the landfill property are numbers 48187C0210F & 48029C0295F, which were revised in 2007 and 2010, respectively. At the time the model for these panels was created, the Beck Landfill was permitted to be filled to its final grades, but not yet constructed to an extent where the entire footprint was above the calculated 100-year water surface. FEMA modeled this permitted future condition by placing blocked obstructions on the cross-sections that traverse the landfill footprint, so that the model accounted for the authorized final condition of the landfill. FEMA then extended the floodplain across the portions of the landfill that had not yet been constructed above the 100-year water surface elevations.

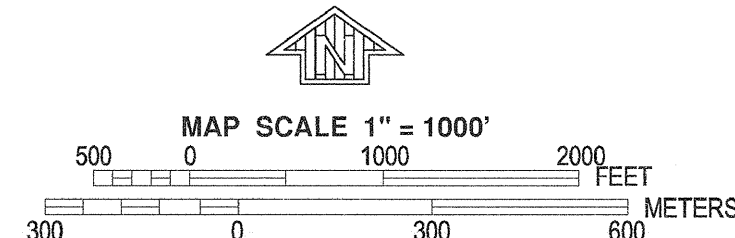
To prevent the wash-out of waste by a flood event, the entire landfill footprint is encompassed by a compacted clay berm, which extends above the current 100-year flood elevation. As part of the amendment application, Beck Landfill is proposing to extend the berm 10 feet vertically to provide additional freeboard above the 100-year event. The entire footprint of the landfill and perimeter berm is currently constructed above the 100-year water surface and Beck Landfill submitted a LOMR application to the City of Schertz and FEMA to revise the affected panels to accurately reflect the lateral extents of the floodplain. The LOMR application has updated cross-sections affected by the landfill with current topography and re-delineated the extents of the floodplain. The floodway shown on these panels was also revised to reflect the updated topography. The LOMR application maintains the hydrologic flow values included in the effective FEMA model.

The City of Schertz has approved the LOMR application and a copy of their concurrence is included in this section. The LOMR has also been approved by FEMA under Case No. 22-06-2567P. A complete copy of the LOMR application and approval letter are included in Appendix C2-A.

In compliance with 30 TAC §330.63(c)(2)(C), the following table has been prepared to show the projected 100 year flood elevation, top of the existing perimeter berm, and top of the proposed perimeter berm at each cross-section used in the HEC-RAS hydraulic model that was approved by FEMA as part of the LOMR application. The locations of each of these cross-sections are shown on Figure C2-2.



NORTH



PANEL 0220F

FIRM FLOOD INSURANCE RATE MAP GUADALUPE COUNTY, TEXAS AND INCORPORATED AREAS

PANEL 220 OF 480 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

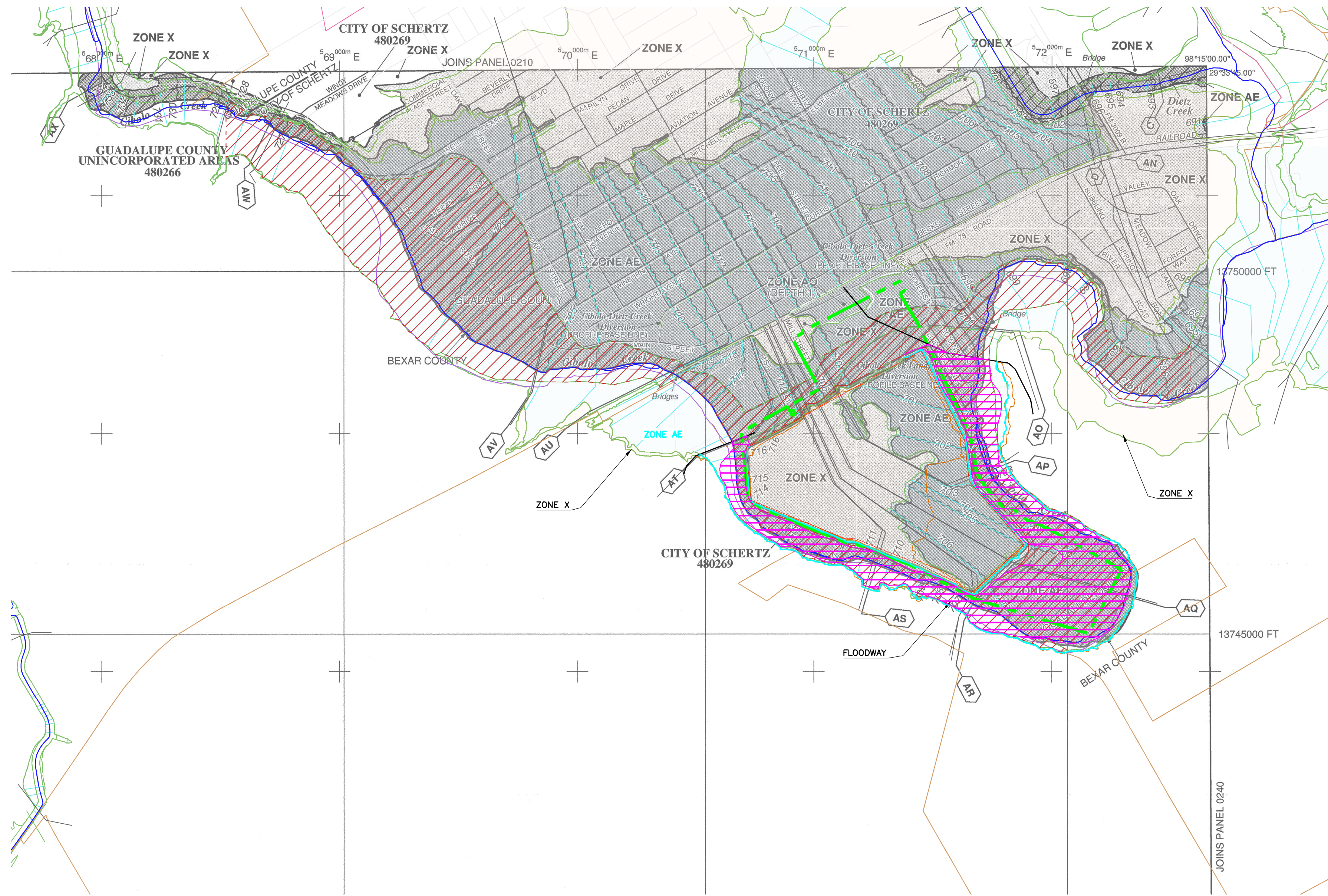
COMMUNITY	NUMBER	PANEL	SUFFIX
GUADALUPE COUNTY	480266	0220	F
SCHERTZ, CITY OF	480269	0220	F

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 48187C0220F
EFFECTIVE DATE NOVEMBER 2, 2007

Federal Emergency Management Agency



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION 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 decertified. 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 V** Coastal flood zone with velocity hazard (wave action); 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.
ZONE D 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.

- 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*
(EL 987)
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
97°07'30", 32°22'30"
- 1000-meter Universal Transverse Mercator grid ticks, zone 14
4275°0000N
- 5000-foot grid values: Texas State Plane coordinate system, south central zone (FIPSZONE 4204), Lambert Conformal Conic
6000000 FT
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
DX5510
- River Mile
M1.5

MAP REPOSITORIES
Refer to Map Repositories list on Map Index
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
November 2, 2007
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

LEGEND

- LANDFILL PERMIT BOUNDARY
- LANDFILL FOOTPRINT BOUNDARY

REFERENCE
AERIAL IMAGERY PROVIDER: GOOGLE EARTH; DATE OF PHOTOGRAPHY: 11/22/2019.
ELEVATION CONTOURS: STRATEGIC MAPPING PROGRAM (STRATMAP) CENTRAL TEXAS LIDAR, 2017-01-01 (DATA COLLECTION PERIOD: 01/28/2017 THROUGH 03/22/2017).

NO	DATE	DESCRIPTION
1	7/5/2003	TECHNICAL/PANEL LINE TYPE FOR PERMIT BOUNDARY

Civil & Environmental Consultants, Inc.
Texas Registered Engineering Firm F-38
3711 South Mofac Expressway - Building 1, Suite 550 - Austin, TX 78746
Ph: 512.439.0400 - Fax: 512.329.0096
www.cecinc.com

BECK LANDFILL EXPANSION
600 FM 78, SCHERTZ, TEXAS 78154
GUADALUPE COUNTY, TEXAS

FLOOD INSURANCE RATE MAP (FIRM) 48187C0220F	
DATE:	12/21/2022
DRAWN BY:	JCM
CHECKED BY:	ADAM W. MEHEVEC
PROJECT NO.:	311-653 SITE
APPROVED BY:	AWM



DRAWING NO. **C2-1**
SHEET C2-1 OF C2-1

A:\170-2001\171-651-0002\001\001\171853-001-02-1 Effective FIRMmap.dwg(2-1) 12/21/2022 - amw(mec) - LP: 8/20/2024 5:15 PM



REFERENCE
 DATUM: TX83-SCF: NAD83 Texas State Planes, South Central Zone, US Foot. Vertical Datum: NAVD 88.
 ELEVATION CONTOURS: STRATEGIC MAPPING PROGRAM (STRATMAP) CENTRAL TEXAS LIDAR, 2017-01-01 (DATA COLLECTION PERIOD: 01/28/2017 THROUGH 03/22/2017).
 FLOODPLAIN DATA: FEMA NATIONAL FLOOD HAZARD LAYER (NFHL), 2021-08-18, PUBLICLY AVAILABLE GIS.
 THE PORTION OF THE STUDY AREA WITHIN THE UNINCORPORATED PORTION OF BEXAR COUNTY USES NOAA ATLAS-14 RAINFALL DATA. THE PORTION WITHIN THE CITY OF SCHERTZ USES THE EFFECTIVE FEMA MODEL RAINFALL DATA.

LEGEND

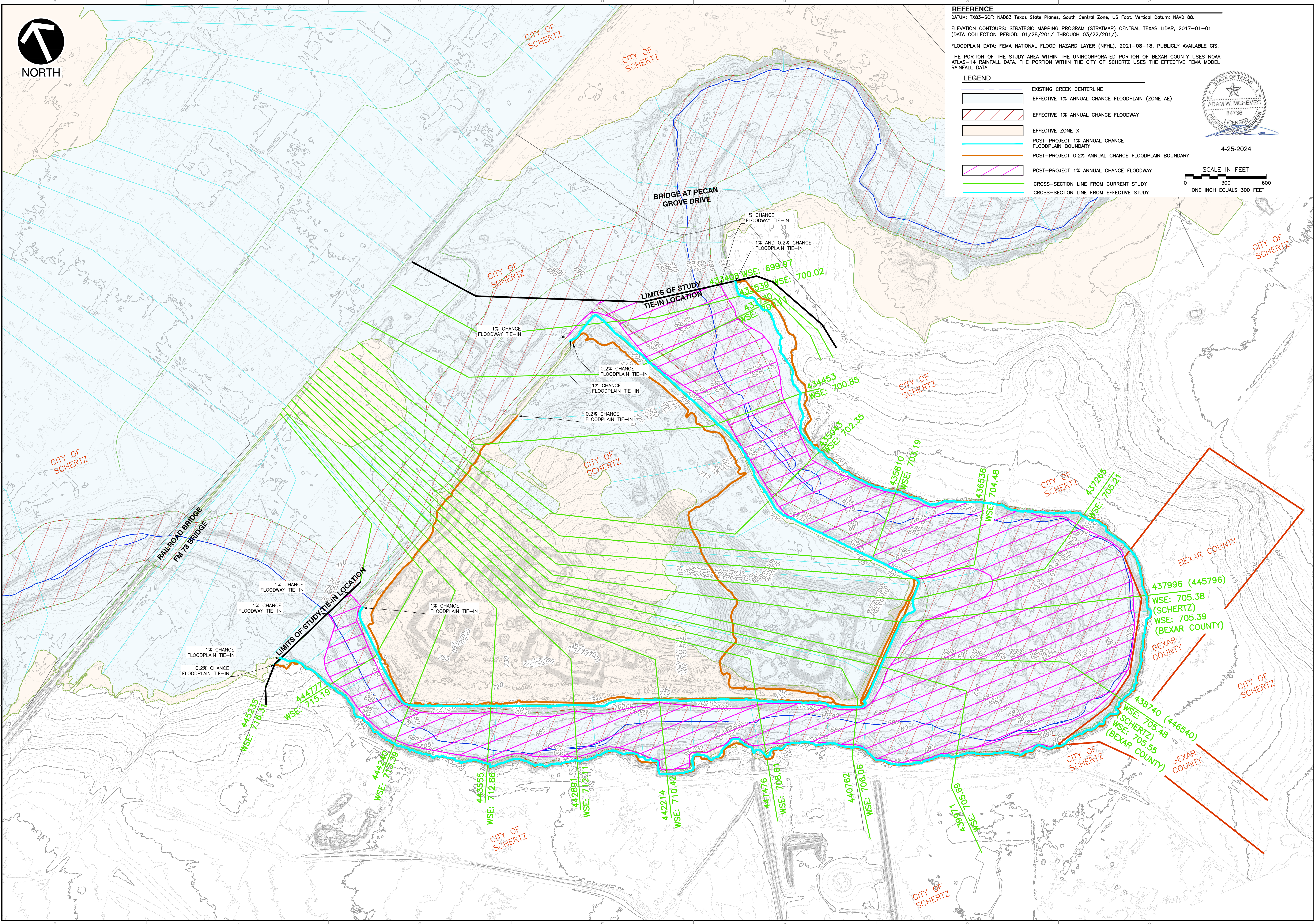
- EXISTING CREEK CENTERLINE
- EFFECTIVE 1% ANNUAL CHANCE FLOODPLAIN (ZONE AE)
- EFFECTIVE 1% ANNUAL CHANCE FLOODWAY
- EFFECTIVE ZONE X
- POST-PROJECT 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
- POST-PROJECT 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
- POST-PROJECT 1% ANNUAL CHANCE FLOODWAY
- CROSS-SECTION LINE FROM CURRENT STUDY
- CROSS-SECTION LINE FROM EFFECTIVE STUDY

STATE OF TEXAS
 ADAM W. MEHEVEC
 84736
 LICENSED PROFESSIONAL ENGINEER
 4-25-2024

SCALE IN FEET
 0 300 600
 ONE INCH EQUALS 300 FEET

NO.	DATE	DESCRIPTION
1	7/26/2023	REVIEW LIMITS OF STUDY
2	10/03/23	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN
3	11/03/23	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN
4	2/23/2024	RE-EVALUATE UPSTREAM CROSS-SECTIONS TO PROVIDE BFE TIE-IN

A:\170-2021\171-651-0000\Drawings\171651-001-TopographicMap-Beck Landfill Expansion.dwg (5/25/2024 - 4:25:24 PM) - LP: 4/25/2024 7:59 AM



TOPOGRAPHIC WORK MAP

DATE: 4/25/2024 | DRAWN BY: JCM
 DWG SCALE: 1" = 300' | CHECKED BY: JCM
 PROJECT NO: 311-653 SITE
 APPROVED BY: AWM

Civil & Environmental Consultants, Inc.
 Texas Registered Engineering Firm F-88
 3711 South McFar Expressway - Building 1, Suite 550 - Austin, TX 78746
 Ph: 512.439.0400 - Fax: 512.329.0096
 www.cedinc.com

BECK LANDFILL EXPANSION
 600 FM 78, SCHERTZ, TEXAS 78154
 GUADALUPE COUNTY, TEXAS

TOPOGRAPHIC WORK MAP

DATE: 4/25/2024 | DRAWN BY: JCM
 DWG SCALE: 1" = 300' | CHECKED BY: JCM
 PROJECT NO: 311-653 SITE
 APPROVED BY: AWM

C2-2

SHEET 2 OF 4

**BECK LANDFILL
APPENDIX C2-A
LOMR Application and Approval Letter**



Federal Emergency Management Agency

Washington, D.C. 20472

June 18, 2024

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Peter Sakai
Bexar County Judge
101 West Nueva Street, 10th Floor
San Antonio, TX 78205

IN REPLY REFER TO:

Case No.: 22-06-2567P
Community Name: Bexar County, TX
Community No.: 480035
Effective Date of
This Revision: November 4, 2024

Dear Judge Sakai:

The Flood Insurance Study (FIS) report and Flood Insurance Rate Map (FIRM) 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 enclosures 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Sincerely,

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services 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: The Honorable Ralph Gutierrez
Mayor, City of Schertz

Doug Letbetter, CFM
Floodplain Administrator
City of Schertz

Robert Brach, P.E., CFM
Floodplain Administrator
Bexar County

Adam Mehevec, P.E.
Vice President
Civil and Environmental Consultants, Inc.



Federal Emergency Management Agency

Washington, D.C. 20472

June 18, 2024

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Ralph Gutierrez
Mayor, City of Schertz
1400 Schertz Parkway
Schertz, TX 78154

IN REPLY REFER TO:

Case No.: 22-06-2567P
Community Name: City of Schertz, TX
Community No.: 480269
Effective Date of
This Revision: November 4, 2024

Dear Mayor Gutierrez:

The Flood Insurance Study (FIS) report and Flood Insurance Rate Map (FIRM) 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 enclosures 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Sincerely,

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services 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: The Honorable Peter Sakai
Bexar County Judge

Robert Brach, P.E., CFM
Floodplain Administrator
Bexar County

Doug Letbetter, CFM
Floodplain Administrator
City of Schertz

Adam Mehevec, P.E.
Vice President
Civil and Environmental Consultants, Inc.



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 Schertz Bexar and Guadalupe Counties Texas	FILL	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 480269		
IDENTIFIER	Beck Landfill	APPROXIMATE LATITUDE AND LONGITUDE: 29.547, -98.264 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 48029C0295F DATE: September 29, 2010 TYPE: FIRM* NO.: 48187C0220F DATE: November 2, 2007		Bexar County DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 19, 2023 PROFILES: 40P, 41P Guadalupe County DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 27, 2024 PROFILES: 19P, 20P FLOODWAY DATA TABLE: 23	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE AND REVISED REACH

Cibolo Creek - from approximately 280 feet upstream of Nu Pecan Grove to approximately 1,050 feet downstream of FM 78

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Cibolo Creek	BFEs*	BFEs	YES	YES
	Floodway	Floodway	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone AE	Zone AE	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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 480035 **Name:** Bexar County, Texas

AFFECTED MAP PANELS

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

TYPE: FIRM* NO.: 48029C0295F DATE: September 29, 2010

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 19, 2023
PROFILES: 40P, 41P

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

**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 base (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 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 revision has met our criteria for removing an area from the base 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

**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:

Roosevelt Grant
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
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.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.


Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

22-06-2567P

102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

**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: *San Antonio Business Journal*

Dates: June 28, 2024 and July 5, 2024

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (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 <https://www.fema.gov/flood-insurance>.

A handwritten signature in black ink, appearing to read "Rick Sacbibit".

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Table 23: Floodway Data, (continued)

LOCATION		FLOODWAY				1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH ² (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
AK	418,516	1,906/190	19,543	5.1	672.9	672.9	673.6	0.7	
AL	419,470	2,490/113	16,568	6.0	677.3	677.3	677.8	0.5	
AM	423,625	693/52	11,662	8.6	686.1	686.1	687.0	0.9	
AN	427,183	592/521	14,018	6.2	695.1	695.1	696.1	1.0	
AO	432,987	800/631	15,893	5.5	699.9	699.9	700.7	0.8	
AP	435,041	423 / 236	10,722	7.0	702.3	702.3	702.6	0.3	
AQ	437,996	1,476 / 23	29,239	2.6	705.4	705.4	706.0	0.6	
AR	440,762	260 / 100	6,535	11.4	706.1	706.1	706.7	0.6	
AS	442,214	498 / 142	8,907	8.4	710.4	710.4	711.1	0.7	
AT	444,777	351 / 128	9,205	8.1	715.2	715.2	715.8	0.6	
AU	446,577	435/199	11,130	7.5	720.1	720.1	720.3	0.2	
AV	448,507	1,025/862	23,287	4.3	725.4	725.4	725.4	0.0	
AW	453,783	661/169	10,812	9.2	727.2	727.2	727.3	0.1	
AX	456,713	446/310	11,277	8.9	734.4	734.4	734.9	0.5	
AY	457,901	412/113	9,648	10.4	736.2	736.2	736.6	0.4	
AZ	459,264	457/268	12,019	8.3	741.1	741.1	741.4	0.3	
BA	460,345	499/223	11,748	8.5	743.4	743.4	743.7	0.3	
BB	466,729	408/139	11,482	8.7	755.6	755.6	756.4	0.8	
BC	471,196	1,496/824	29,405	3.4	763.0	763.0	763.8	0.8	

¹Stream distance in feet above confluence with San Antonio River
²Width/Width Within County

REVISED DATA

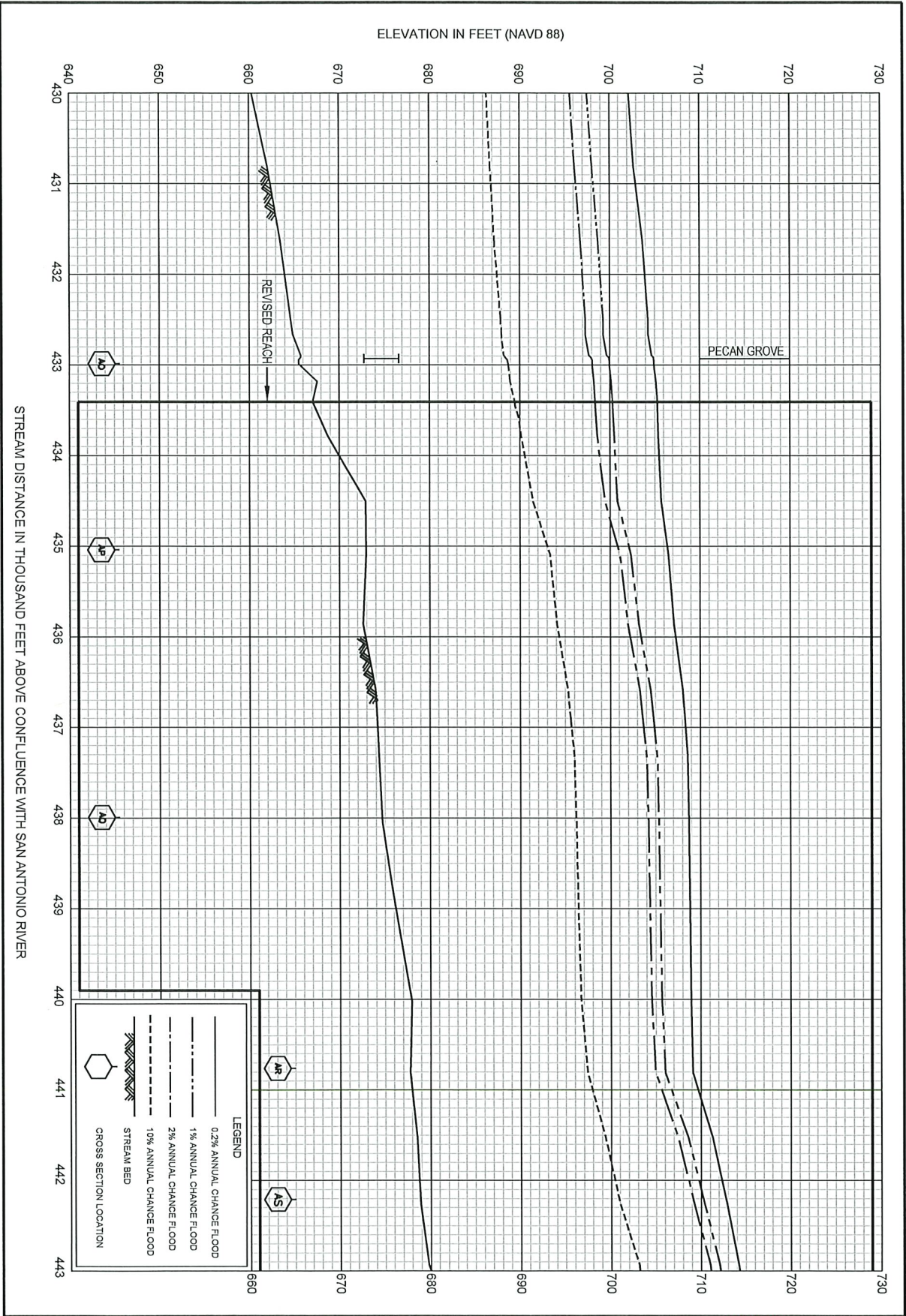
REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024

FEDERAL EMERGENCY MANAGEMENT AGENCY
GUADALUPE COUNTY, TEXAS
 AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: CIBOLO CREEK

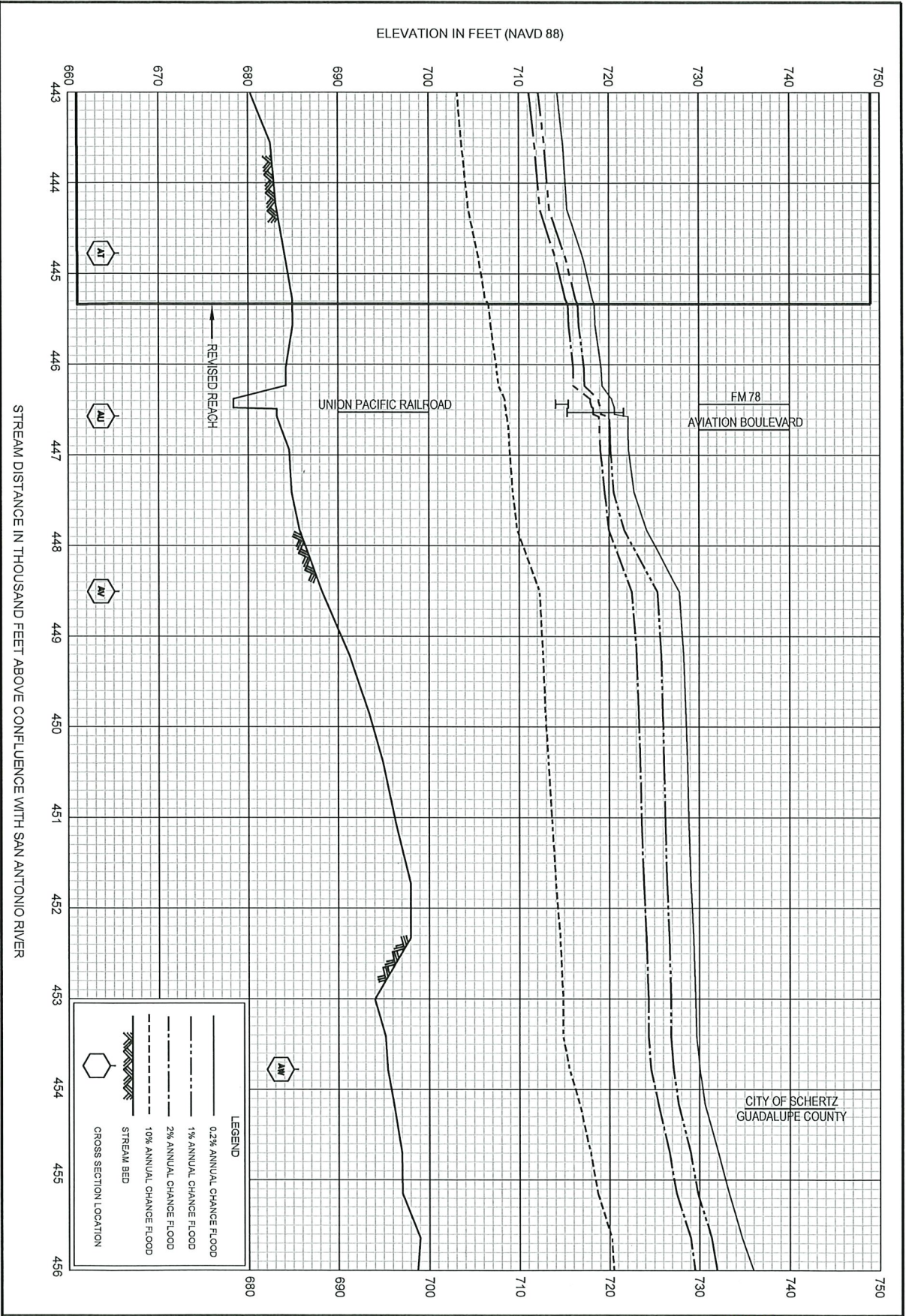
TABLE 23



STREAM DISTANCE IN THOUSAND FEET ABOVE CONFLUENCE WITH SAN ANTONIO RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
 GUADALUPE COUNTY, TX
 AND INCORPORATED AREAS

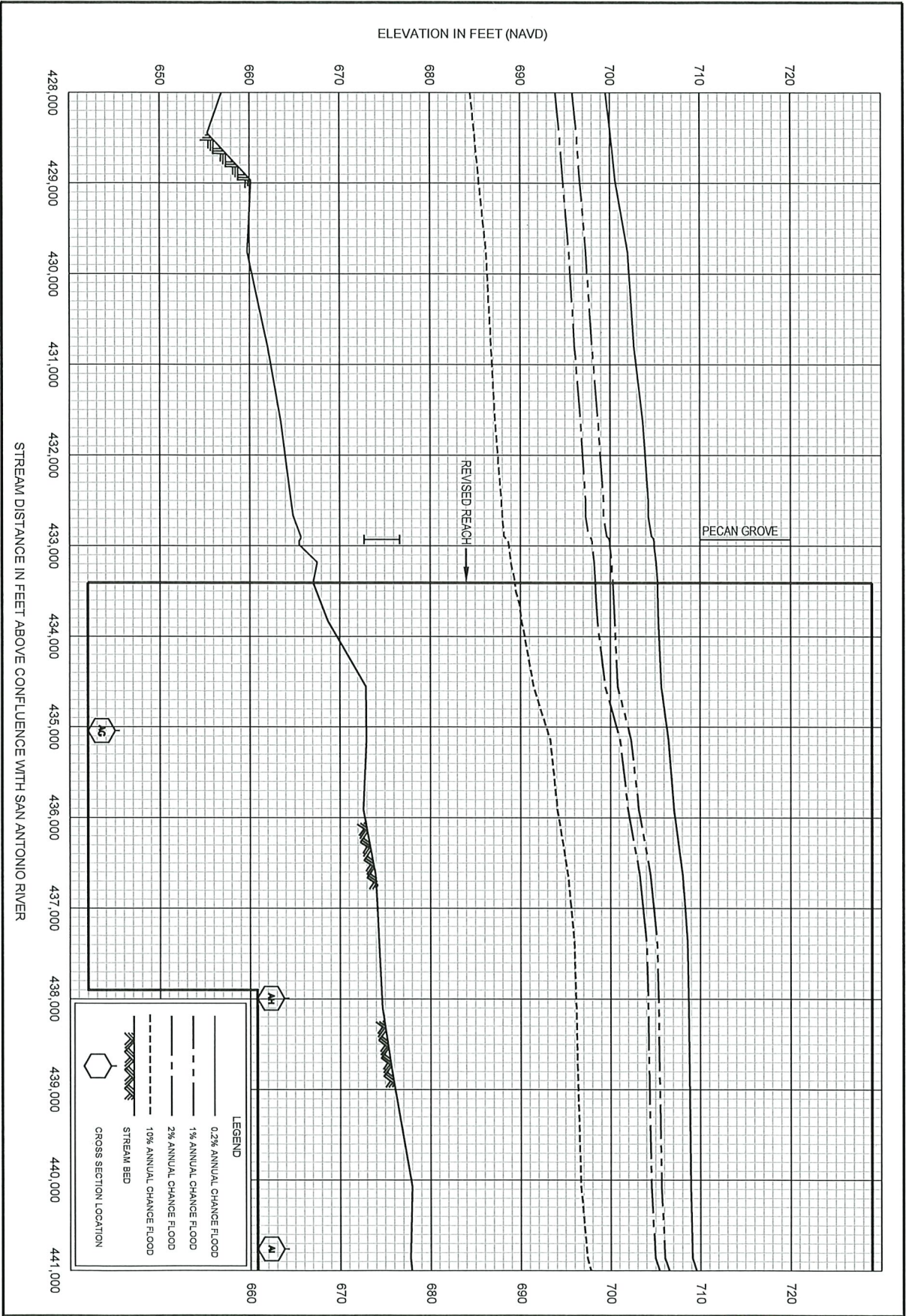
FLOOD PROFILES
 REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024
 CIBOLO CREEK



FEDERAL EMERGENCY MANAGEMENT AGENCY
GUADALUPE COUNTY, TX
 AND INCORPORATED AREAS

FLOOD PROFILES REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024
CIBOLO CREEK

20P



FEDERAL EMERGENCY MANAGEMENT AGENCY

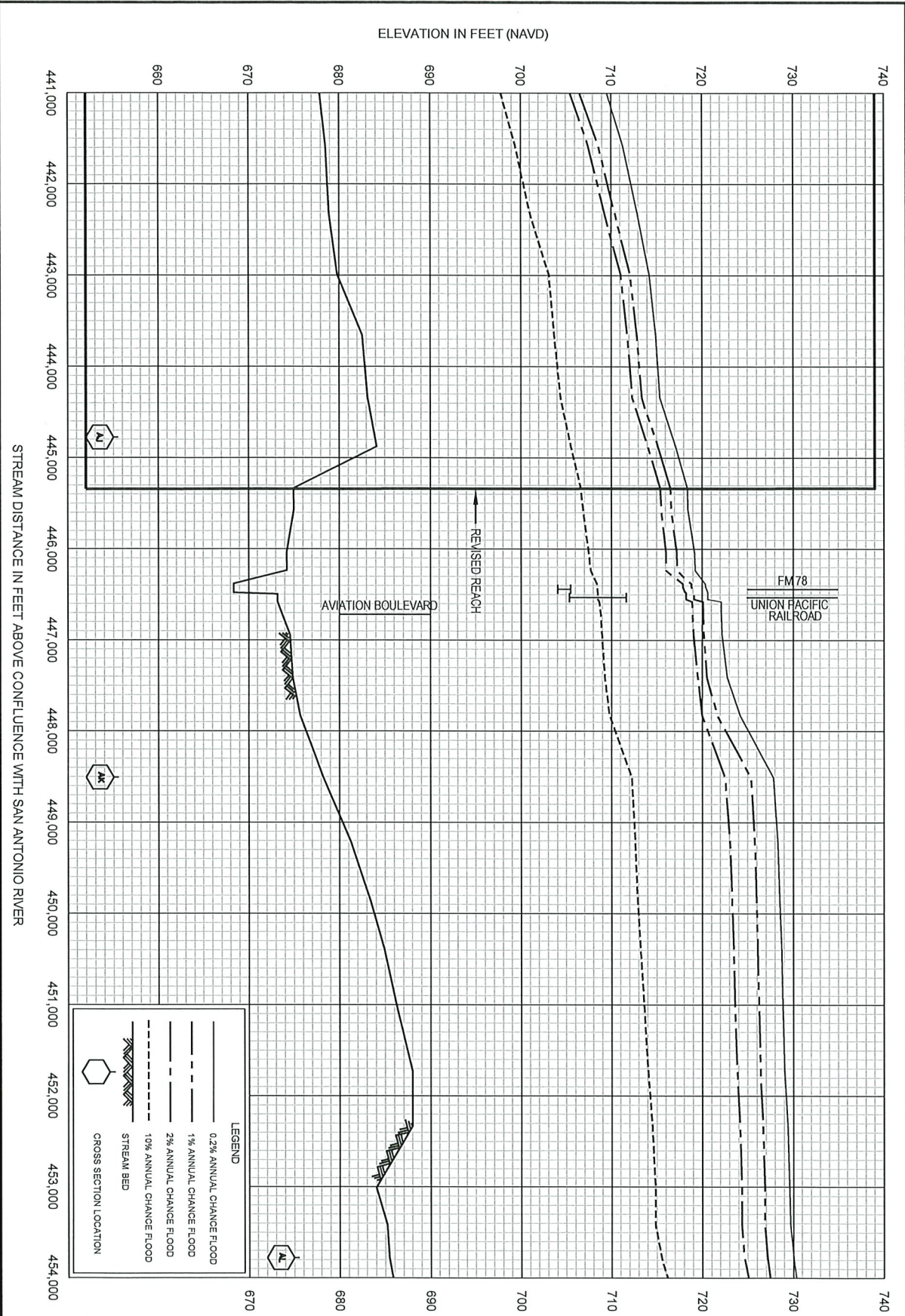
BEXAR COUNTY, TX
AND INCORPORATED AREAS

FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024

CIBOLO CREEK

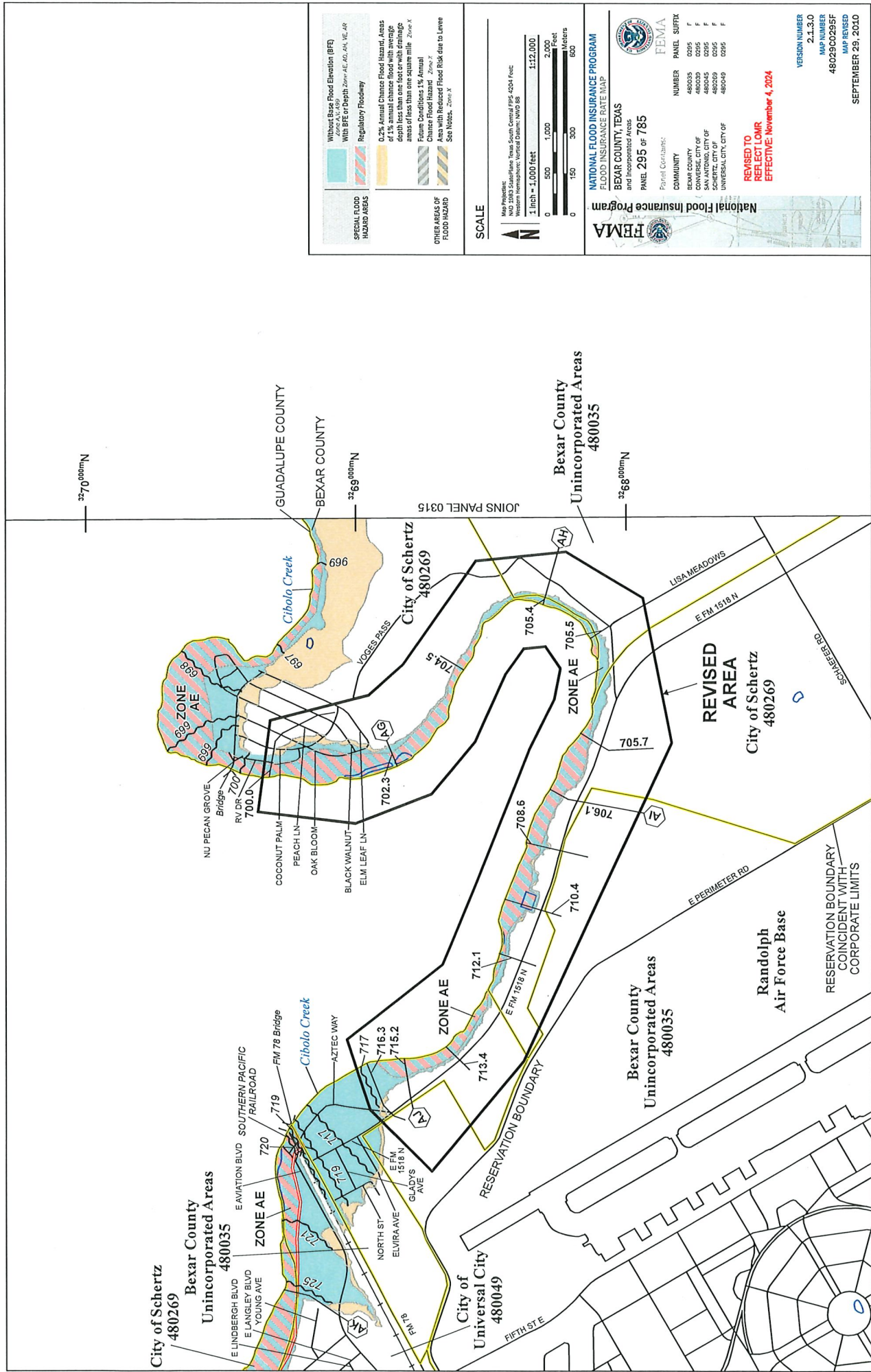
40P



FEDERAL EMERGENCY MANAGEMENT AGENCY
BEXAR COUNTY, TX
 AND INCORPORATED AREAS

FLOOD PROFILES
 REVISED TO REFLECT LOMR EFFECTIVE: November 4, 2024
CIBOLO CREEK

41P



Without Base Flood Elevation (BFE)
Zone X, Zone X-1, Zone X-2, Zone X-3, Zone X-4, Zone X-5, Zone X-6, Zone X-7, Zone X-8

Special Flood Hazard Areas

Regulatory Floodway

0.2% Annual Chance Flood Hazard Areas
Areas with a 0.2% annual chance flood hazard depth less than one square mile. Zone X

Future Conditions 1% Annual Chance Flood Hazard
Area with Reduced Flood Risk due to Levee. See Notes. Zone X

OTHER AREAS OF FLOOD HAZARD

SCALE

Map Projection: NAD 83
 Map Datum: North American Datum 1983
 Vertical Datum: NAVD 88

1 inch = 1,000 feet

0 500 1,000 2,000 Feet

0 150 300 600 Meters

NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP

BEXAR COUNTY, TEXAS
 and Incorporated Areas

PANEL 295 of 785

Panel Contains:

COMMUNITY	NUMBER	PANEL SUFFIX
BEXAR COUNTY	480035	F
CITY OF SAN ANTONIO	480049	F
CITY OF SCHERTZ	480269	F
UNIVERSAL CITY OF	480049	F

REVISOR TO REFLECT LOWR EFFECTIVE: November 4, 2024

FEMA

VERSION NUMBER: 2.1.3.0
 MAP NUMBER: 4802690295F
 MAP REVISED: SEPTEMBER 29, 2010