



Federal Emergency Management Agency

Washington, D.C. 20472

July 8, 2011

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable David Sweet
Mayor, City of Rockwall
385 South Goliad Street
Rockwall, TX 75087

IN REPLY REFER TO:

Case No.: 11-06-2878P
Community Name: City of Rockwall, TX
Community No.: 480547
Effective Date of

This Revision: **November 21, 2011**

Dear Mayor Sweet:

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

Additional documents are enclosed that provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Denton, Texas, at (940) 898-5127, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

Sincerely,

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

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

List of Enclosures:

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

cc: Mr. Chuck Todd, P.E.
City Engineer,
City of Rockwall

Mr. Michael D. Lucas, P.E.
Aqua Terra Engineering Consultants, LLC



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 Rockwall Rockwall County Texas	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 480547		
IDENTIFIER	The Preserve	APPROXIMATE LATITUDE AND LONGITUDE: 32.939, -96.473 SOURCE: Precision Mapping Streets DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 48397C0030L DATE: September 26, 2008	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 26, 2008	
TYPE: FIRM	NO.: 48397C0040L DATE: September 26, 2008	PROFILES: 49P, 50P, 51P AND 52P SUMMARY OF DISCHARGES TABLE: 4	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCES AND REVISED REACHES

See Page 2 for Additional Flooding Sources

Stream No. 3 - from just upstream of North Lakeshore Drive to approximately 1,120 feet upstream of the confluence of Tributary F
Stream No. 3 Tributary D - from the confluence of Stream No. 3 to approximately 480 feet upstream of Southwestern Drive

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Stream No. 3	Zone A	Zone AE	YES	YES
	No BFEs*	BFEs	YES	NONE
Stream No. 3 Tributary D	Zone A	Zone AE	NONE	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, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

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

11-06-2878P
102-I-A-C



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCES AND REVISED REACHES

Stream No. 3 Tributary E - from the confluence of Stream No. 3 to approximately 570 feet upstream of the confluence of Stream No. 3
Stream No. 3 Tributary F - from the confluence of Stream No. 3 to approximately 550 feet upstream of the confluence of Stream No. 3

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Stream No. 3 Tributary E	Zone A	Zone AE	NONE	YES
	No BFEs*	BFEs	YES	NONE
Stream No. 3 Tributary F	Zone A	Zone AE	NONE	YES
	No BFEs	BFEs	YES	NONE

* BFEs - Base Flood Elevations

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

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



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.

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

A handwritten signature in cursive script, appearing to read "Michael J. McGinn".

Michael J. McGinn, Program Specialist
Engineering Management 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:

Mr. Frank Pagano
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
Federal Regional Center, Room 206
800 North Loop 288
Denton, TX 76209
(940) 898-5127

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panels and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

A handwritten signature in cursive script, appearing to read "Michael J. McGinn".

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



Federal Emergency Management Agency
Washington, D.C. 20472

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

PUBLIC NOTIFICATION OF REVISION

PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NAVD 88)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Stream No. 3	Just upstream of North Lakeshore Drive	None	484	48397C0030L
	Approximately 1,120 feet upstream of the confluence of Stream No. 3 Tributary F	None	522	48397C0040L
Stream No. 3 Tributary D	At the confluence of Stream No. 3	None	489	48397C0030L
	Approximately 480 feet upstream of the Southwestern Drive	None	501	48397C0030L
Stream No. 3 Tributary E	At the confluence of Stream No. 3	None	489	48397C0030L
	Approximately 570 feet upstream of the confluence of Stream No. 3	None	510	48397C0030L
Stream No. 3 Tributary F	At the confluence of Stream No. 3	None	499	48397C0030L
	Approximately 550 feet upstream of the confluence of Stream No. 3	None	517	48397C0030L

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.

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below. Please refer to FEMA's Web site at https://www.floodmaps.fema.gov/fhm/Scripts/bfe_main.asp for a more detailed description of proposed BFE changes, which will be posted within a week of the date of this letter.

LOCAL NEWSPAPER Name: Rockwall County News
Dates: 07/15/2011 and 07/22/2011

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 7390 Coca Cola Drive, Suite 204, Hanover, MD 21076. Additional information about the NFIP is available on our Web site at <http://www.fema.gov/business/nfip>.

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

<u>FLOODING SOURCE AND LOCATION</u>	<u>DRAINAGE AREA (sq. miles)</u>	<u>PEAK DISCHARGES (cfs)</u>			
		<u>10% Annual Chance</u>	<u>2% Annual Chance</u>	<u>1% Annual Chance</u>	<u>0.2% Annual Chance</u>
739 feet upstream of Mims Rd.	-- ²	3,023	4,204	4,923	6,672
1680 feet upstream of Mims Rd.	-- ²	3,006	4,181	4,896	6,632
740 feet downstream of SH 205 (Goliad Street)	-- ²	2,921	4,050	4,720	6,309
300 feet downstream of SH 205 (Goliad Street)	-- ²	2,907	4,030	4,691	6,239
230 feet downstream of SH 276 ⁽³⁾	-- ²	3,277	4,391	4,995	6,344
74 feet downstream of SH 276 ⁽⁴⁾	-- ²	1,560	2,163	2,474	3,194
Downstream side of T. L. Townsend Dr.	-- ²	1,554	2,179	2,495	3,193
BUFFALO CREEK TRIBUTARY NO. 1					
Confluence with Buffalo Creek	-- ²	1,507	1,968	2,224	2,780
113 feet downstream of T. L. Townsend Dr.	-- ²	1,436	1,922	2,133	2,582
BUFFALO CREEK TRIBUTARY NO. 1.1					
Confluence with Buffalo Creek Tributary 1	-- ²	398	523	586	722
BUFFALO CREEK TRIBUTARY NO. 1.2					
Confluence with Buffalo Creek Tributary 1	-- ²	251	331	371	457
LONG BRANCH					
830 feet downstream of SH 205	-- ²	2,038	2,794	3,203	3,500
420 feet upstream of FM 549	-- ²	466	616	690	846

STREAM NO. 3					
Northlake Shore Drive	0.23	-- ²	-- ²	896	-- ²
STREAM NO. 3 TRIBUTARY D					
Confluence with Stream No. 3	0.03	-- ²	-- ²	150	-- ²
STREAM NO. 3 TRIBUTARY E					
Confluence with Stream No. 3	0.04	-- ²	-- ²	189	-- ²
STREAM NO. 3 TRIBUTARY F					
Confluence with Stream No. 3	0.01	-- ²	-- ²	83	-- ²

↑
REVISED DATA

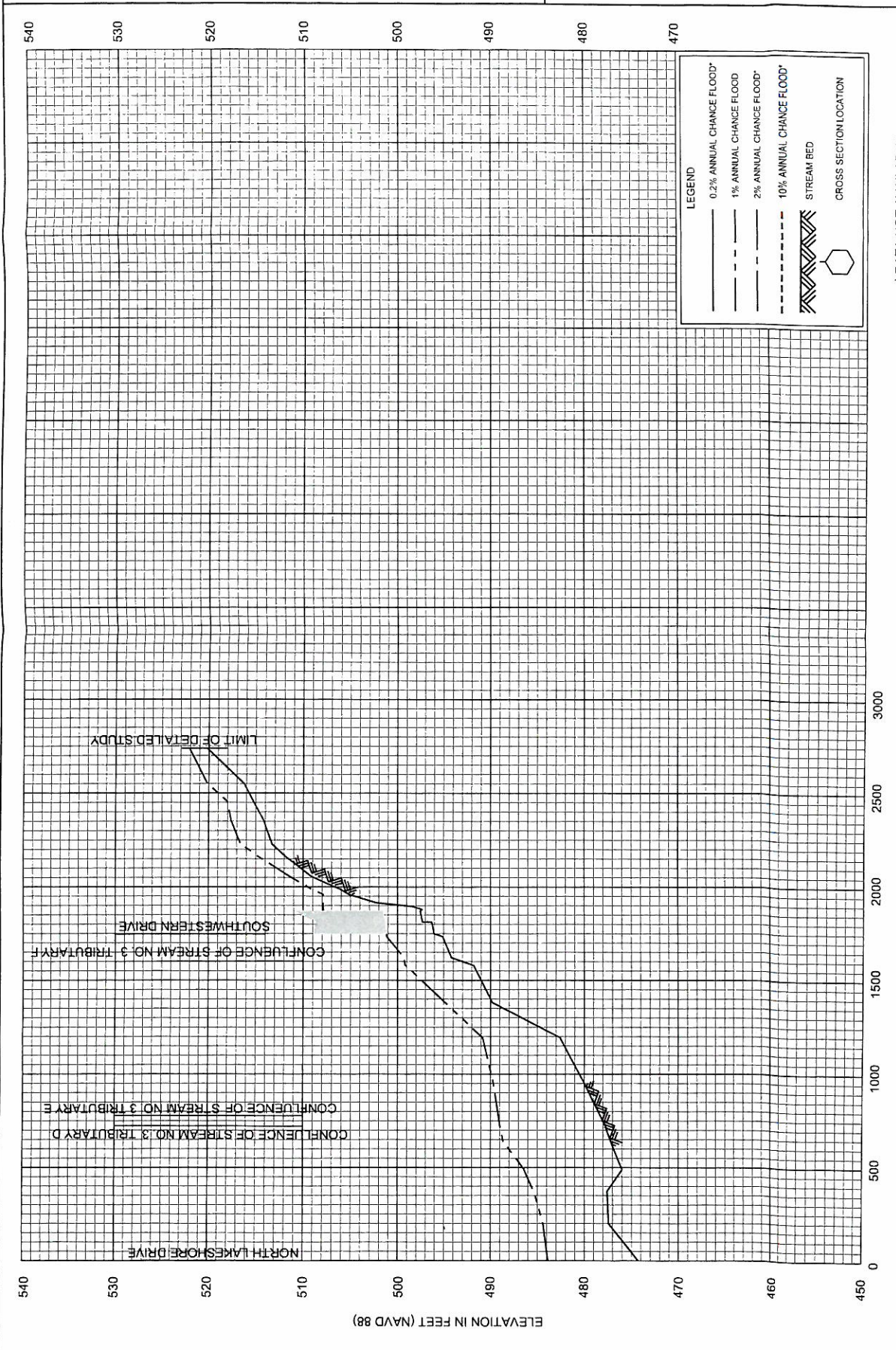
--² Data not available

<u>FLOODING SOURCE AND LOCATION</u>	<u>DRAINAGE AREA (sq. miles)</u>	<u>PEAK DISCHARGES (cfs)</u>			
		<u>10% Annual Chance</u>	<u>2% Annual Chance</u>	<u>1% Annual Chance</u>	<u>0.2% Annual Chance</u>
SQUABBLE CREEK					
Confluence with Lake Ray Hubbard	-- ²	2,696	3,468	3,816	4,471
40 Feet Downstream of Spillway of Golf Course Dam # 2	-- ²	2,352	3,042	3,480	4,327
10 Feet Downstream of Bridge at Shores Blvd.	-- ²	2,137	2,913	3,342	4,196
1390 feet upstream of Shores Blvd.	-- ²	2,080	2,873	3,316	4,212
1710 feet downstream of Lakeshore Drive	-- ²	1,956	2,696	3,100	3,932
616 feet downstream of Lakeshore Drive	-- ²	2,095	2,911	3,363	4,230
Downstream of Lakeshore Drive	-- ²	1,466	2,011	2,336	2,935
407 feet downstream of SH 205	-- ²	1,474	2,051	2,402	2,957
Downstream Face of Bridge at SH 205 (Goliad Street)	-- ²	1,441	2,002	2,337	2,919

**Enhanced Approximate Methods
Type I Streams**

BERRY CREEK					
2,555 feet downstream SH 205	6.12	2,675	4,200	4,900	6,975

**CREATED TO
 REFLECT LOMR
 EFFECTIVE: November 21, 2011**



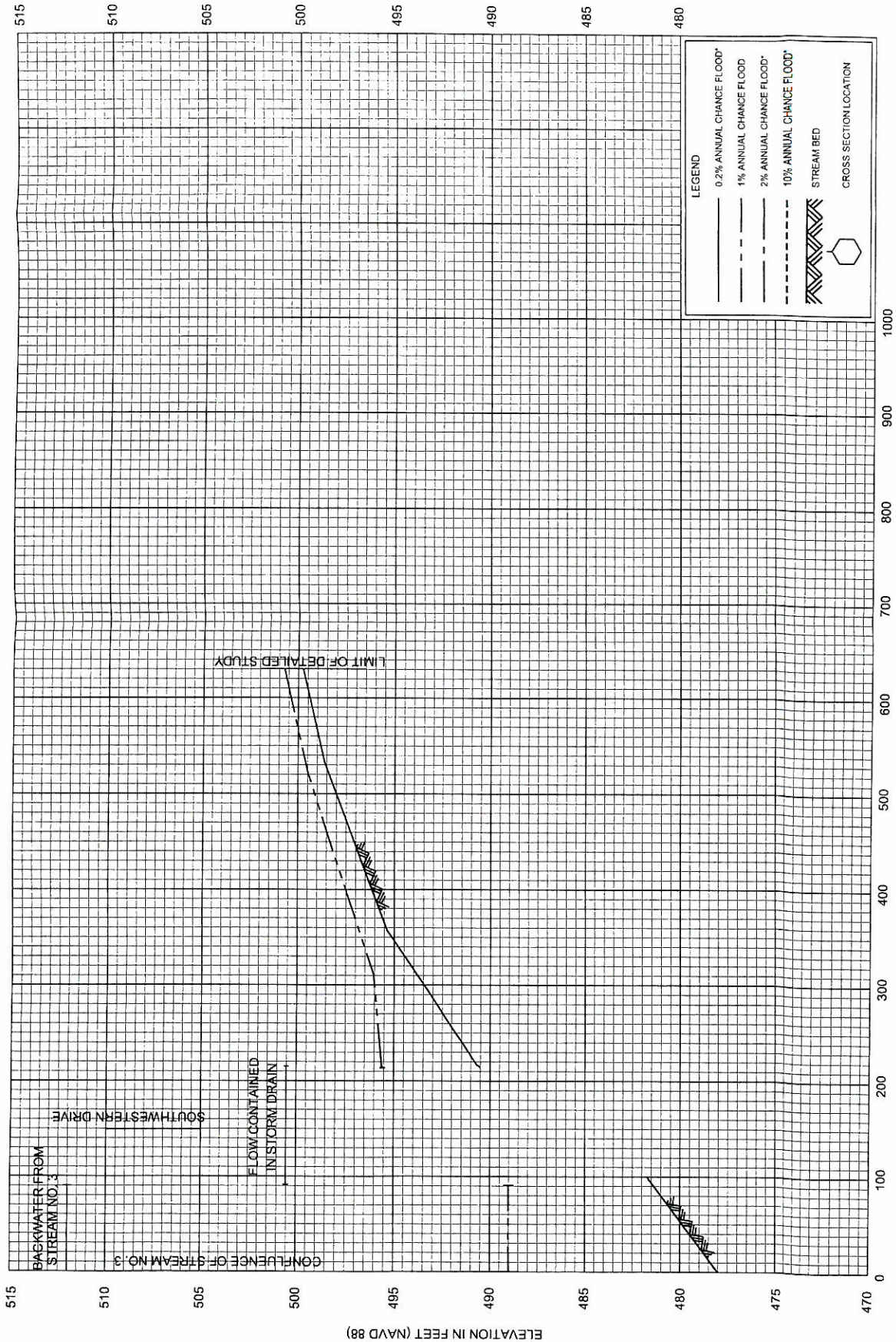
* DATA NOT AVAILABLE
 CREATED TO REFLECT LOMR
 EFFECTIVE: November 21, 2011

STREAM DISTANCE IN FEET ABOVE NORTH LAKESHORE DRIVE

ELEVATION IN FEET (NAVD 88)

FLOOD PROFILES

STREAM NO. 3 TRIBUTARY D



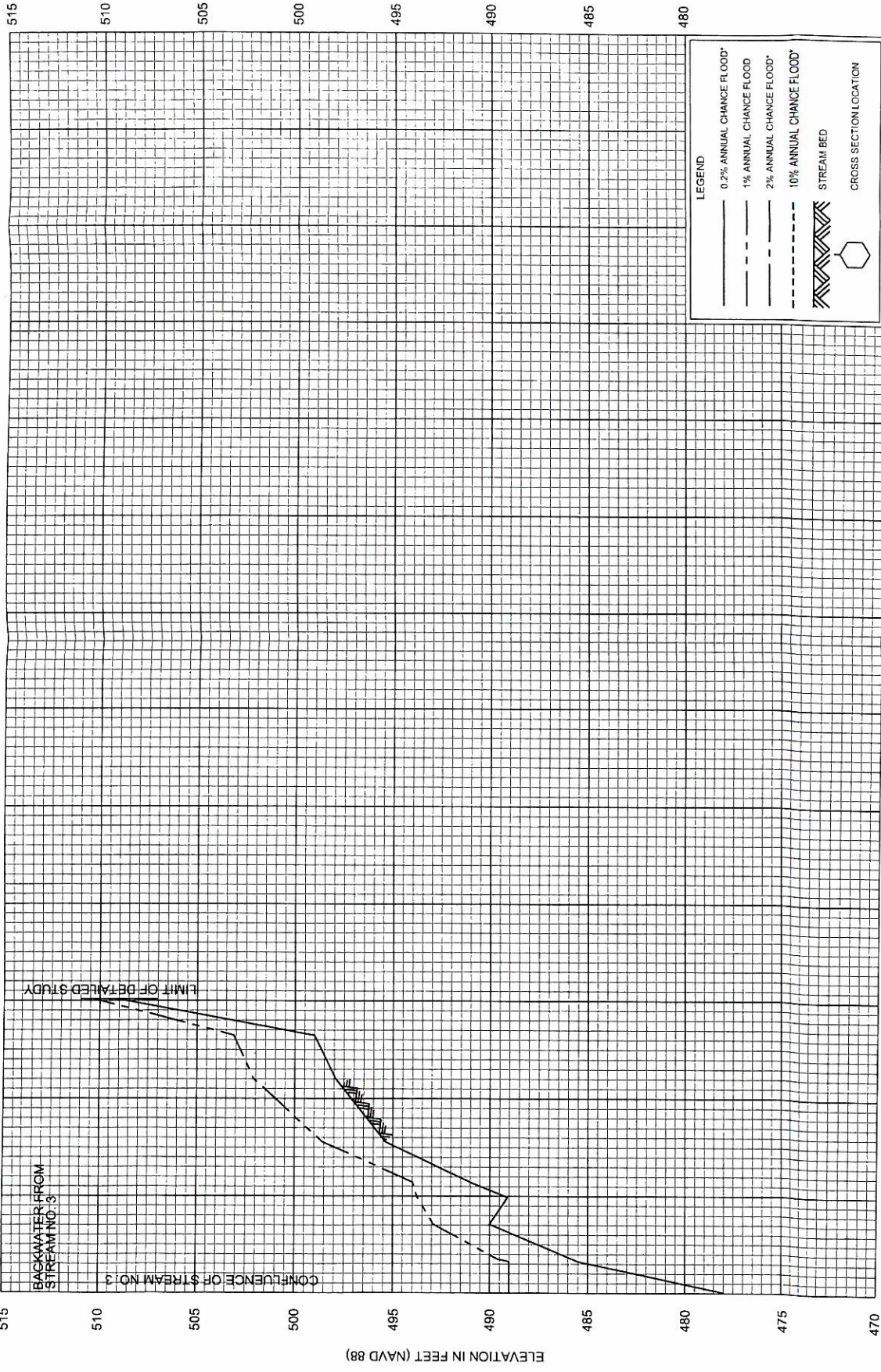
* DATA NOT AVAILABLE

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH STREAM NO. 3

CREATED TO REFLECT LOMR
 EFFECTIVE: November 21, 2011

ELEVATION IN FEET (NAVD 88)
 515
 510
 505
 500
 495
 490
 485
 480
 475
 470

1000
 900
 800
 700
 600
 500
 400
 300
 200
 100
 0



LEGEND

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

* DATA NOT AVAILABLE

CREATED TO
REFLECT LOMR
EFFECTIVE: November 21, 2011

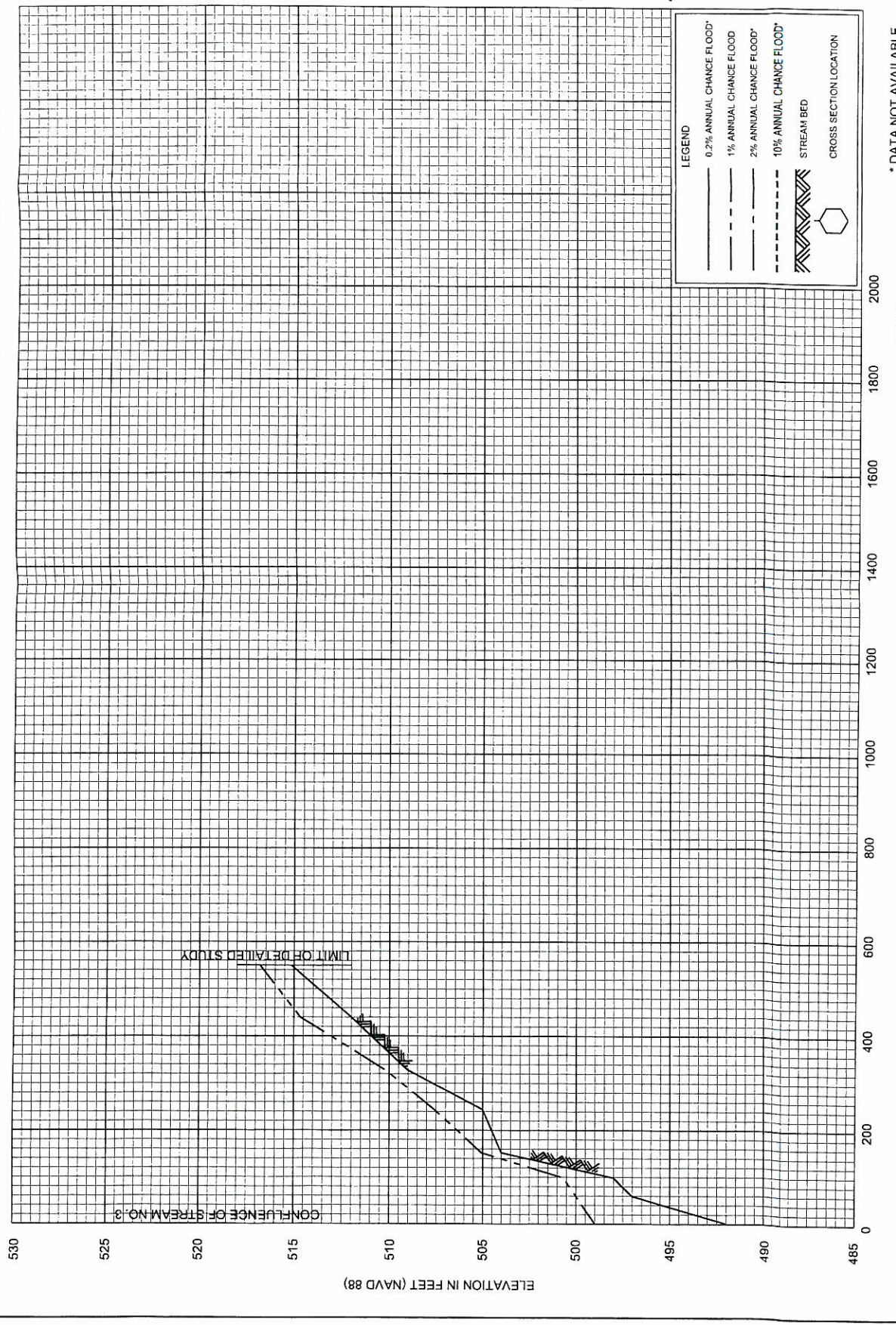
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH STREAM NO. 3

ELEVATION IN FEET (NAVD 88)

LIMIT OF DETAILED STUDY

CONFLUENCE OF STREAM NO. 3

BACKWATER FROM
STREAM NO. 3






CREATED TO REFLECT LOMR EFFECTIVE: November 21, 2011



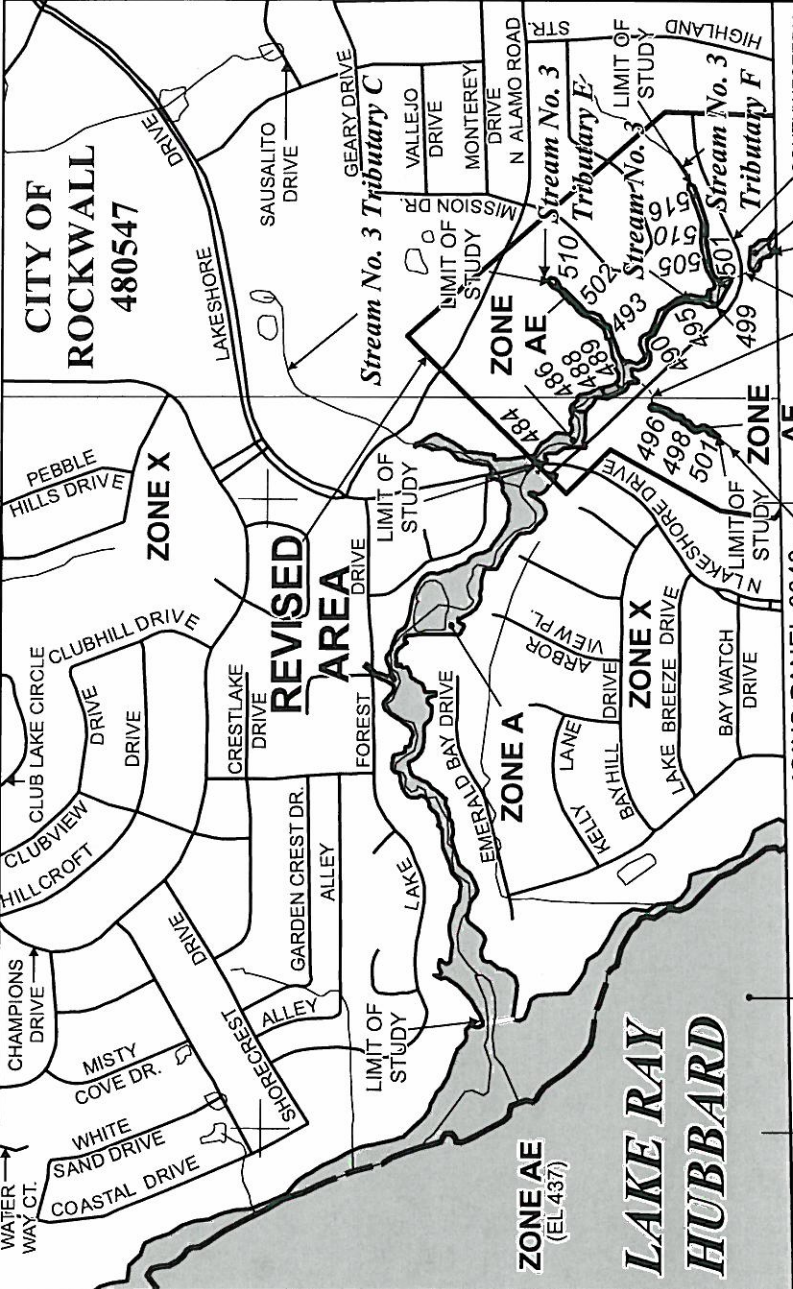
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH STREAM NO. 3

* DATA NOT AVAILABLE

Legend

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

MAP SCALE 1"= 1000'

CITY OF DALLAS
480171

CITY OF ROCKWALL
480547

LAKE RAY HUBBARD

REVISED AREA

Stream No. 3 Tributary C
Stream No. 3 Tributary D
Stream No. 3 Tributary E
Stream No. 3 Tributary F

ZONE AE (EL 437)
ZONE X
ZONE AE
ZONE X
ZONE AE
ZONE X

100 YEAR FLOODPLAIN CONTAINED IN STORM-DRAIN

JOINS PANEL 0040
Stream No. 3 Tributary D

1000 500 0 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0030L

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


PANEL 30 OF 145
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ROCKWALL COUNTY	480543	0030	L
DALLAS, CITY OF	480771	0030	L
ROCKWALL, CITY OF	480547	0030	L

REVISED TO REFLECT LOMR EFFECTIVE: November 21, 2011

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
48397C0030L

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

Legend



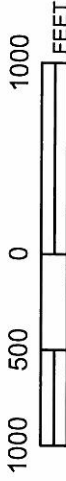
1% annual chance
(100-Year) Floodplain

1% annual chance
(100-Year) Floodway

0.2% annual chance
(500-Year) Floodplain



MAP SCALE 1"= 1000'



NFIP

PANEL 0040L

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

PANEL 40 OF 145

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ROCKWALL COUNTY	480543	0040	L
DALLAS, CITY OF	480771	0040	L
HEALTH, CITY OF	480545	0040	L
ROCKWALL, CITY OF	480547	0040	L

**REVISED TO
REFLECT LOMR
EFFECTIVE: November 21, 2011**

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
48397C0040L

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

**REVISED
AREA**

735⁰⁰⁰m E

736⁰⁰⁰m E

JOINS PANEL 0030

