

**St. Charles Parish
Ormond Area Flood Mitigation
Louisiana Watershed Initiative
Design Support Program**

Detailed Narrative/Scope of Work:

St. Charles Parish is requesting CDBG-MIT funding to complete the Ormond Area Flood Mitigation project. This project proposes to install culverts under the Canadian National (CN) Railroad in the Ormond neighborhood in Destrehan.

The Ormond neighborhood has encountered a series of flood events over the past few years. The areas south of the CN railroad crossing have been heavily impacted as many residents have flooded repetitively.

The existing drainage system in the Ormond Watershed consists of a combination of multiple canals, open roadside ditches, subsurface culverts, two trestles, retention ponds and two pump stations. In general, stormwater runoff travels from south to north, as the Mississippi River is the southern boundary of the watershed area and is the highest elevation. The Parish's Drainage Master Plan identified the existing culverts running under the CN Railroad tracks as a constriction in the drainage system. The runoff south of the CN Railroad tracks naturally travels north from the Mississippi River to the railroad tracks where it collects in the drainage canal parallel to the track embankment. At this point, the existing culverts running under the railroad tracks do not provide the necessary capacity to allow the runoff to travel under the railroad tracks. This lack of capacity results in a significant increase in the water level south of the CN Railroad tracks and causes the flooding in the neighborhood during major storms.

St. Charles Parish performed a Hydrologic and Hydraulic (H&H) Analysis of the neighborhood and surrounding area to analyze drainage for the 10, 25, 50, and 100-year design storms. The results of the H&H Analysis identified the need to increase the capacity of the railroad culvert crossings at Sites 1 and 2 to increase the overall drainage capacity of the railroad crossing system. This increase in capacity will improve conveyance of stormwater to the Destrehan Pump Station No. 2, which discharges the stormwater outside the Parish's levee protection system.

The scope of work includes the installation of three 60" culverts at Site 1 and two 54" culverts at Site 2 to mitigate the constriction at the CN Railroad tracks that caused the past flooding. The Parish has procured an engineering firm to design the project and permit applications have been submitted.

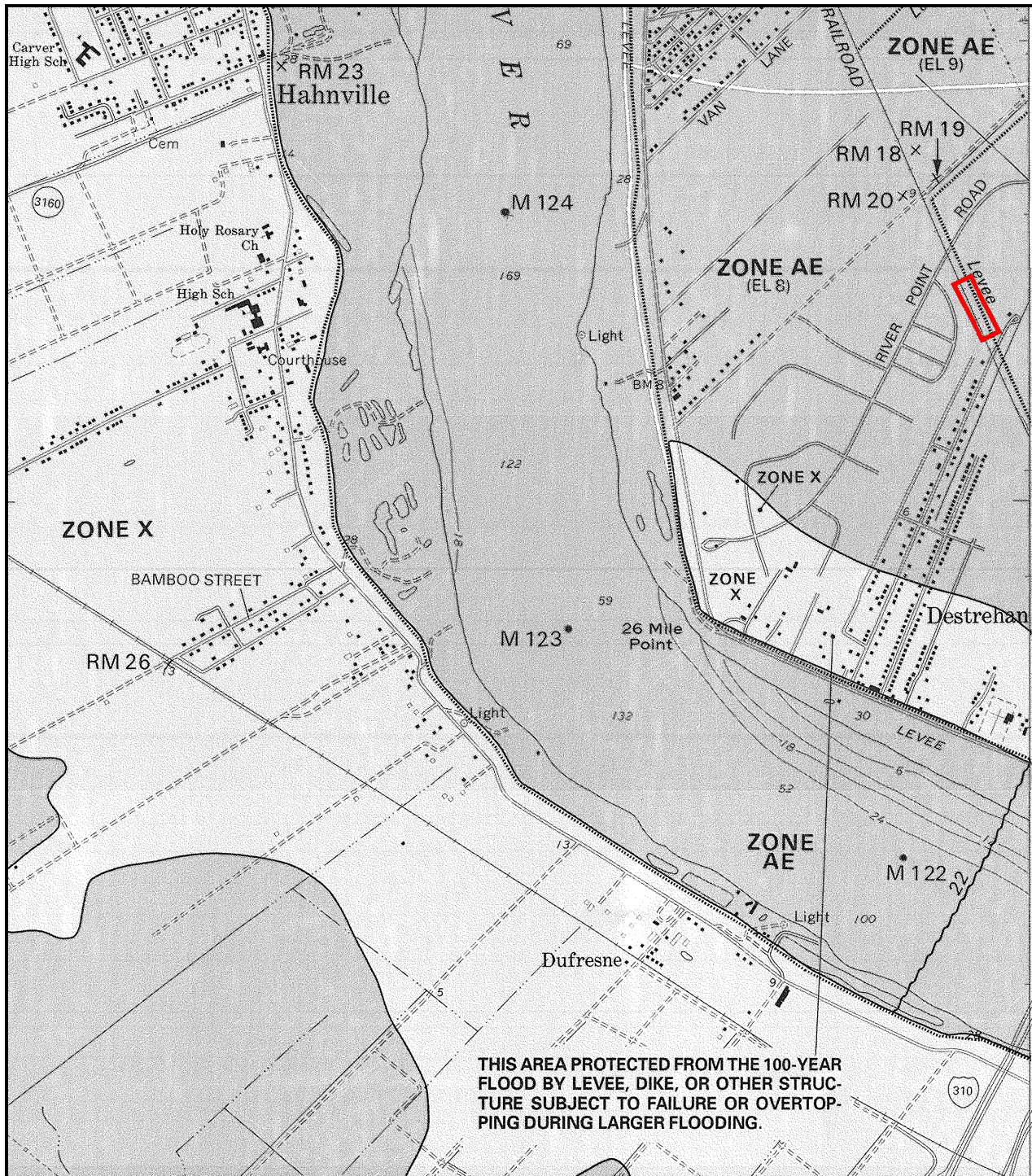
In addition to the proposed project, the Parish is committed to completing other priority projects to improve the drainage in the Ormond area and is using over \$10M in local and State funding to construct these improvements. It should be noted that the proposed project has been studied as a stand-alone project to demonstrate the flood improvement benefits of this project only.

The proposed project addresses the issue of local flooding which is ranked by the Louisiana GOHSEP Hazard Identification and Risk Assessment as the highest risk to the state. The

proposed project also addresses the risks of area-wide floods and severe thunderstorms, which are some of the highest threats to the state's future.

St. Charles Parish Department of Public Works is responsible for the drainage throughout the Parish. The Department operates and maintains all pump stations and infrastructure to ensure maximum drainage efficiency. Pump stations are serviced by pump mechanics and laborers weekly and culverts are inspected and cleaned out annually by either Parish employees or a contractor. The annual maintenance costs for this project are minimal.

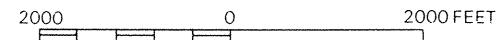
There are no existing superfund sites in St. Charles Parish. The proposed project is not located near any hazardous materials or assets.



To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

ST. CHARLES PARISH,
LOUISIANA
(UNINCORPORATED AREAS)

PANEL 125 OF 275
(SEE MAP INDEX FOR PANELS NOT PRINTED)



PANEL LOCATION

COMMUNITY-PANEL NUMBER
220160 0125 C

MAP REVISED:
JUNE 16, 1992



Federal Emergency Management Agency

THIS AREA PROTECTED FROM THE 100-YEAR FLOOD BY LEVEE, DIKE, OR OTHER STRUCTURE SUBJECT TO FAILURE OR OVERTOPPING DURING LARGER FLOODING.

JOINS PANEL 0150

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.



Federal Emergency Management Agency
Washington, D.C. 20472

MAY 02 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Albert D. Laque
Parish President, St. Charles Parish
P.O. Box 302
Hahnville, LA 70057

IN REPLY REFER TO:

Case Number: 03-06-127P
Community Name: St. Charles Parish, Louisiana
(Unincorporated Areas)
Community Number: 220160
Effective Date of
this Revision: MAY 02 2003

Dear Mr. Laque:

The Flood Insurance Rate Map (FIRM) for your community has 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 (CCO) for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Federal Emergency Management Agency (FEMA) in Denton, Texas, at (940) 898-5165, or the FEMA Map Assistance Center 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/nfip>.

Sincerely,

Lloyd A. Hake
Project Engineer
Hazard Study Branch
Emergency Preparedness and
Response Directorate

For: Mary Jean Pajak, P.E., Acting Chief
Hazard Study Branch
Emergency Preparedness and
Response Directorate

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
List of Current Flood Insurance Study Data

cc: [REDACTED] Permit Officer, St. Charles Parish
[REDACTED] Evans-Graves Engineers, Inc.
Community Map Repository



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	ST. CHARLES PARISH, LOUISIANA (UNINCORPORATED AREAS)	LEVEE	BASE MAP CHANGES HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 220160		
IDENTIFIER	LAKE PONTCHARTRAIN HURRICANE PROTECTION LEVEE	APPROXIMATE LATITUDE & LONGITUDE: 29.967, -90.301 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

FLOODING SOURCE & REVISED REACH

LAKE PONTCHARTRAIN - area bounded by the Lake Pontchartrain Hurricane Protection Levee to the north, the Mississippi River Levee to the south, the East Guide Levee of the Bonnet Carre Spillway to the west, and the county boundary to the east

SUMMARY OF REVISIONS

Effective Flooding:	Zone AE	BFEs*	X (shaded)
Revised Flooding:	Zone A99	BFEs*	X (shaded)
Increases:	NONE	NONE	YES
Decreases:	YES	YES	NONE

* BFEs – Base Flood Elevations

ANNOTATED MAPPING ENCLOSURES

TYPE: FIRM*	NO: 220160 0050 C	Date: June 16, 1992
FIRM	NO: 220160 0125 C	Date: June 16, 1992
FIRM	NO: 220160 0150 C	Date: June 16, 1992

ANNOTATED STUDY ENCLOSURES

NO REVISION TO THE FLOOD INSURANCE STUDY

* FIRM - Flood Insurance Rate Map; ** FBFM – Flood Boundary Floodway Map; *** FHBM - Flood Hazard Boundary Map

DETERMINATION

This document provides the determination from the 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) 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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Lloyd A. Hake

Lloyd A. Hake, Project Engineer
Hazard Study Branch
Emergency Preparedness and
Response Directorate



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 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.

NFIP regulations Paragraph 65.10(d) requires that levee systems must be maintained in accordance with an officially adopted maintenance plan. All maintenance activities must be under the jurisdiction of a Federal or State agency, an agency created by Federal or State law, or an agency of a community participating in the NFIP that must assume ultimate responsibility for maintenance. This plan must document the formal procedure that ensures that the stability, height, and overall integrity of the levee and its associated structures and systems are maintained.

COMMUNITY REMINDERS

We based this determination on the 1% 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 law have been obtained. State 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 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.

We have enclosed a document, titled *List of Current Flood Insurance Study Data*, which includes this letter, to help your community maintain all information for floodplain management and flood insurance. If any of the items in that document are not filed in your community's map repository, please contact the FEMA Map Assistance Center at the number listed below for information on how to obtain those items.

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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Lloyd A. Hake, Project Engineer
Hazard Study Branch
Emergency Preparedness and
Response Directorate



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (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, Federal Insurance and Mitigation Division
Federal Emergency Management Agency, Region VI
Federal Regional Center, Room 206
800 North Loop 288
Denton, Texas 76209-3698
(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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional Information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

A handwritten signature in cursive script that reads "Lloyd A. Hake".

Lloyd A. Hake, Project Engineer
Hazard Study Branch
Emergency Preparedness and
Response Directorate



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

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. This revision is effective as of the date of this letter. However, until the 90-day period elapses, the revised BFEs presented in this LOMR may be revised.

This information will be published in the *Federal Register* and your local newspaper as detailed below.

LOCAL NEWSPAPER

Name: *St. Charles Herald*

Dates: 06/04/2003 06/11/2003

PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD)		MAP PANEL NUMBERS
		EFFECTIVE	REVISED	
LAKE PONTCHARTRAIN	Area bounded by the Lake Pontchartrain Hurricane Protection Levee to the north, the Mississippi River Levee to the south, the East Guide Levee of the Bonnet Carre Spillway to the west, and the county boundary to the east	8 through 10	5	220160 0050 C, 0125 C, and 0150 C

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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the FEMA MCC Services, 12101 Indian Creek Court, Beltsville, MD 20705. Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Lloyd A. Hake

Lloyd A. Hake, Project Engineer
Hazard Study Branch
Emergency Preparedness and
Response Directorate

LIST OF CURRENT FLOOD INSURANCE STUDY DATA

This list is provided to document all information currently effective for your community for insurance and floodplain management.

Date: **MAY 02 2003**

Community: St. Charles Parish, Louisiana (Unincorporated Areas)

Community Number: 220160

Page Number: 1 of 1

CURRENT EFFECTIVE FLOOD INSURANCE STUDY DATE: June 16, 1992

FLOOD INSURANCE RATE MAP

Map Index
220160IND0

Effective Date
June 16, 1992

Panel Numbers
0050 C, 0075 C, 0100 C, 0125 C,
0150 C, 0175 C, 0200 C, 0225 C,
and 0250 C

Effective Date
June 16, 1992

LETTERS OF MAP REVISION

Panel Numbers
0050 C

Effective Date
MAY 02 2003

0125 C

MAY 02 2003

0150 C

MAY 02 2003

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL

Panel Numbers
0125 C

Effective Date
August 15, 1995
August 16, 1995
March 7, 2000

0150 C

September 14, 2001

BEST AVAILABLE DATA LETTERS

None

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR ST. CHARLES COUNTY, LOUISIANA (UNINCORPORATED AREAS), UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On June 16, 1992, the Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in St. Charles, Louisiana (Unincorporated Areas), through issuance of a Flood Insurance Rate Map (FIRM). The Federal Insurance and Mitigation Administration has determined that modification of the elevations of the flood having a 1% chance of being equaled or exceeded in any given year (base or 100-year flood) for certain locations in this community is appropriate. The modified Base Flood Elevations (BFEs) revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

A hydrologic analysis was performed to incorporate the construction of the Lake Pontchartrain Hurricane Protection Levee and has resulted in a revised delineation of the SFHA, and lower BFEs for an area bounded by the Lake Pontchartrain Hurricane Protection Levee to the north, the Mississippi River Levee to the south, the East Guide Levee of the Bonnet Carre Spillway to the west, and the county boundary to the east. The table below indicates existing and modified BFEs for selected locations along the affected area cited above.

Location	Existing BFE (feet)*	Modified BFE (feet)*
Area bounded by the Lake Pontchartrain Hurricane Protection Levee to the north, the Mississippi River Levee to the south, the East Guide Levee of the Bonnet Carre Spillway to the west, and the county boundary to the east	8 through 10	5

*National Geodetic Vertical Datum, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Federal Insurance and Mitigation Administration must develop criteria for floodplain management. For the community to participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

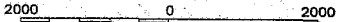
Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Federal Insurance and Mitigation Administration reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Federal Insurance and Mitigation Administration's determination to modify the BFEs may itself be changed.

Any person having knowledge or wishing to comment on these changes should immediately notify:

Mr. Albert D. Laque
Parish President, St. Charles Parish
P.O. Box 302
Hahnville, LA 70057



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

ST. CHARLES PARISH,
LOUISIANA
(UNINCORPORATED AREAS)

PANEL 50 OF 275

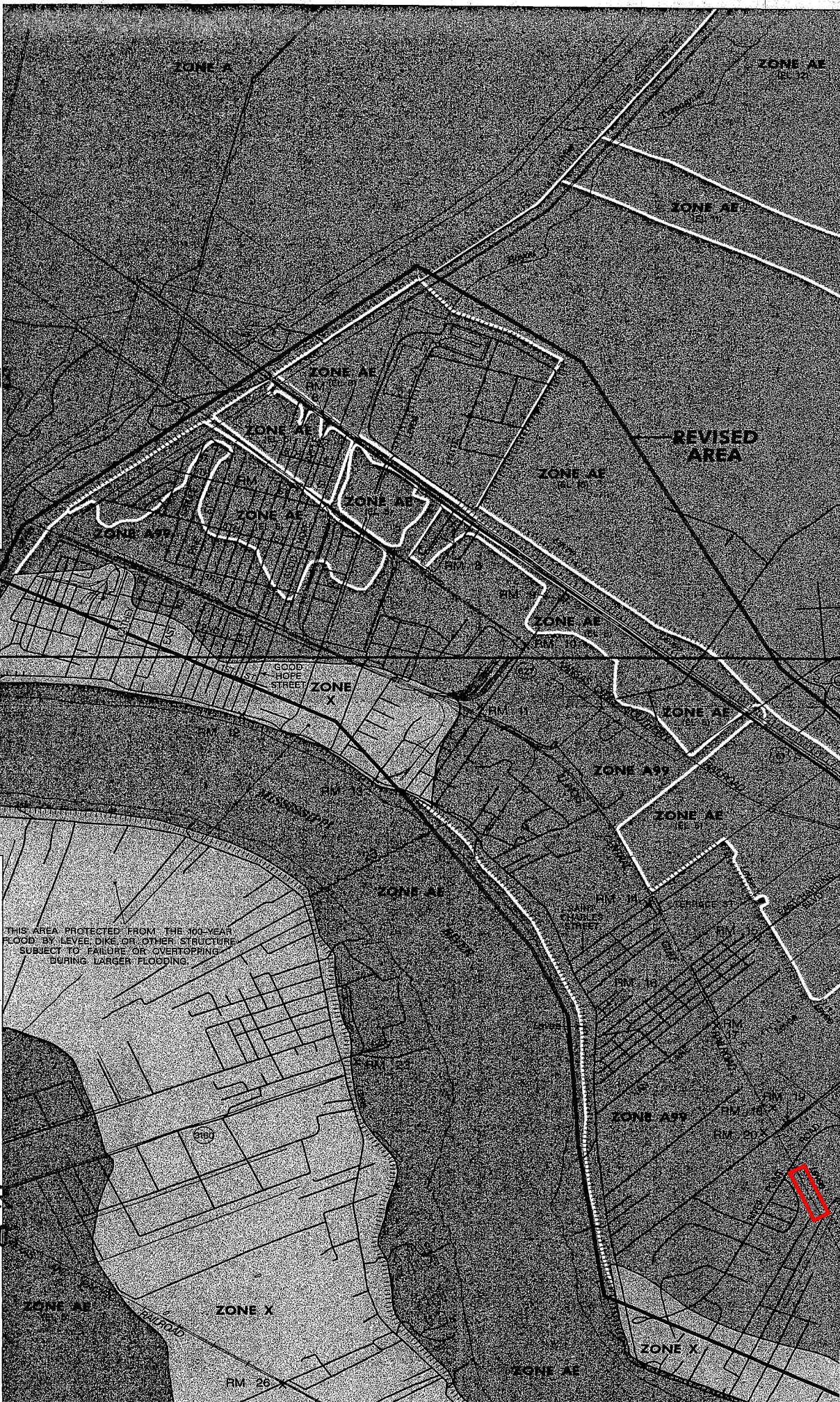
REVISED TO
REFLECT LOMR
DATED MAY 02 2000

COMMUNITY-PANEL NUMBER
220180 0050 C

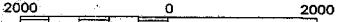
MAP REVISED:
JUNE 16, 1992



Federal Emergency Management Agency



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

ST. CHARLES PARISH,
LOUISIANA
(UNINCORPORATED AREAS)

PANEL 125 OF 275

REVISED TO
REFLECT LOMR
DATED MAY 02 2000

COMMUNITY-PANEL NUMBER
220160 0125 C

MAP REVISED:
JUNE 16, 1992



Federal Emergency Management Agency

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