



# Federal Emergency Management Agency

Washington, D.C. 20472

**September 7, 2018**

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Kathy M. Sheehan  
Mayor, City of Albany  
City Hall  
24 Eagle Street, Room 102  
Albany, NY 12207

IN REPLY REFER TO:

Case No.: 17-02-1160P  
Community Name: City of Albany, NY  
Community No.: 360001  
Effective Date of  
This Revision: **March 7, 2019**

Dear Mayor Sheehan:

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

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in New York, New York, at (212) 680-3622, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/business/nfip>.

Sincerely,

Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering 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: Mr. Robert Magee  
Director, Buildings and Regulatory Compliance  
City of Albany

Mr. Alan Fuchs, CFM  
State NFIP Coordinator  
NY Department of Environmental Conservation

Mr. Tom Blanchard  
Floodplain Coordinator  
NYS DEC Region 4

Mr. Kevin Ruswick, P.E., CFM  
Project Engineer  
Schnabel Engineering of NY



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Albany Albany County New York	CULVERT	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 360001		
IDENTIFIER	Patroon Creek	APPROXIMATE LATITUDE & LONGITUDE: 42.658, -73.741 SOURCE: Other      DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 36001C0192D      DATE: March 16, 2015	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 16, 2015 PROFILE(S): 115P FLOODWAY DATA TABLE: 11	
TYPE: FIRM	NO.: 36001C0211D      DATE: March 16, 2015		
TYPE: FIRM	NO.: 36001C0213D      DATE: March 16, 2015		

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Patroon Creek - From confluence with Hudson River to approximately 5,200 feet upstream of Highway 9

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Patroon Creek	Zone AE	Zone AE	YES	YES
	BFEs*	BFEs	YES	YES
	Floodway	Floodway	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 Map Information 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 <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief  
Engineering Services Branch





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## 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.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

#### COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance 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.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration





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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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.

Because the FIS report establishing the BFEs for your community has been completed, certain additional requirements must be met under Section 1361 of the National Flood Insurance Act of 1968, as amended, within 6 months from the date of this letter. Prior to the effective date of this revision your community is required, as a condition of continued eligibility in the National Flood Insurance Program (NFIP), to adopt or show evidence of adoption of floodplain management regulations that meet the standards of Paragraph 60.3(d) of the enclosed NFIP regulations (44 CFR 59, etc.). These standards are the minimum requirements and do not supersede any State or local requirements of a more stringent nature.

It must be emphasized that all the standards specified in Paragraph 60.3(d) of the NFIP regulations must be enacted in a legally enforceable document. This includes adoption of the current effective FIS report and FIRM to which the regulations apply and other modifications made by this map revision. Some of the standards should already have been enacted by your community in order to establish initial eligibility in the NFIP.

Your community can meet any additional requirements by taking one of the following actions:

1. Amending existing regulations to incorporate any additional requirements of Paragraph 60.3(d).
2. Adopting all the standards of Paragraph 60.3(d) into one new, comprehensive set of regulations.
3. Showing evidence that regulations have previously been adopted that meet or exceed the minimum requirements of Paragraph 60.3(d).

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. Timothy P. Crowley  
Director, Mitigation Division  
Federal Emergency Management Agency, Region II  
26 Federal Plaza, 13th floor  
New York, NY 10278-0002  
(212) 680-3622

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacibit, P.E., Branch Chief  
Engineering Services Branch



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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### PUBLIC NOTIFICATION OF REVISION

#### STATUS OF THE COMMUNITY NFIP MAPS

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

A notice of changes will be published in the *Federal Register*. A short notice will also be published in your local newspaper on or about the dates listed below and through FEMA's Flood Hazard Mapping Web site at [https://www/floodmaps.fema.gov/fhm/Scripts/bfe\\_main.asp](https://www/floodmaps.fema.gov/fhm/Scripts/bfe_main.asp)

#### LOCAL NEWSPAPER

Name: *Times Union*

Dates: September 10, 2018 and September 17, 2018

Within 90 days of the second publication in the local newspaper, a citizen may request that we consider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective 6 months from the date of this letter and only after we resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard information in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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

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



FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Tributary 1 to Tributary 10 to Normans Kill								
A	84 <sup>1</sup>	41	341	1.8	161.3	161.3	162.2	0.9
B	551 <sup>1</sup>	40	248	3.3	161.8	161.8	162.6	0.8
C	1,040 <sup>1</sup>	124	2,434	0.2	184.9	184.9	185.8	0.9
D	2,160 <sup>1</sup>	95	1,228	0.5	184.9	184.9	185.8	0.9
E	3,076 <sup>1</sup>	30	225	2.6	185.0	185.0	185.9	0.9
F	4,092 <sup>1</sup>	13	64	9.1	191.0	191.0	191.0	0.0
G	5,066 <sup>1</sup>	16	88	6.6	200.8	200.8	201.4	0.6
Onesquethaw Creek								
A	910 <sup>2</sup>	140	538	9.1	121.8	121.8	122.7	0.9
B	2,620 <sup>2</sup>	100	505	8.4	134.1	134.1	135.1	1.0
C	4,710 <sup>2</sup>	80	416	10.3	150.3	150.3	151.0	0.7
D	8,070 <sup>2</sup>	83	429	10.0	175.3	175.3	176.3	1.0
E	52,940 <sup>2</sup>	41	186	12.2	597.0	597.0	597.0	0.0
F	54,060 <sup>2</sup>	170	403	5.6	612.8	612.8	613.3	0.5
G	56,240 <sup>2</sup>	36	191	11.8	640.9	640.9	641.5	0.6
H	59,090 <sup>2</sup>	35	208	8.3	760.5	760.5	761.5	1.0
I	62,440 <sup>2</sup>	41	179	9.6	802.4	802.4	802.6	0.2
J	65,360 <sup>2</sup>	36	188	9.2	849.3	849.3	850.2	0.9
K	67,620 <sup>2</sup>	25	113	11.4	903.6	903.6	904.6	1.0
Patroon Creek								
A	2,822 <sup>3</sup>	150 <sup>4</sup>	363 <sup>4</sup>	9.2 <sup>4</sup>	31.7 <sup>4</sup>	31.7 <sup>4</sup>	31.8 <sup>4</sup>	0.1
B	3,705 <sup>3</sup>	50	259	13.0	47.0	47.0	47.2	0.2
C	4,918 <sup>3</sup>	38	238	14.1	66.5	66.5	66.5	0.0

<sup>1</sup> Feet above confluence with Tributary 10 to Normans Kill

<sup>2</sup> Feet above State Route 396/confluence with Coeymans Creek

<sup>3</sup> Feet above confluence with Hudson River

<sup>4</sup> Data extracted from 2D portion of hydraulic model

← REVISED DATA

TABLE 11

FEDERAL EMERGENCY MANAGEMENT AGENCY

**ALBANY COUNTY, NY**  
(ALL JURISDICTIONS)

**FLOODWAY DATA**

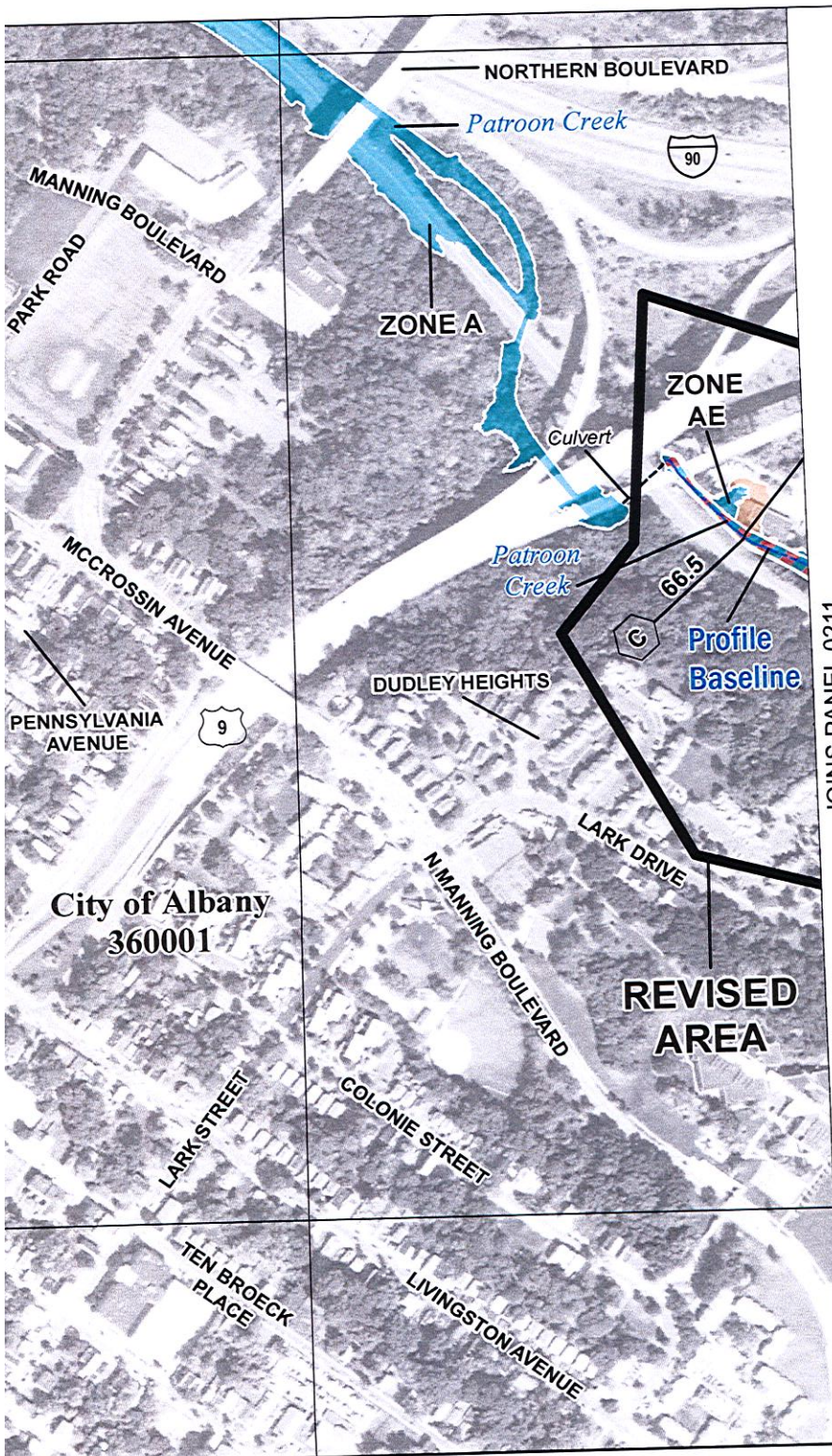
REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 7, 2019

**TRIBUTARY 1 TO TRIBUTARY 10 TO NORMANS KILL –  
ONESQUETHAW CREEK – PATROON CREEK**

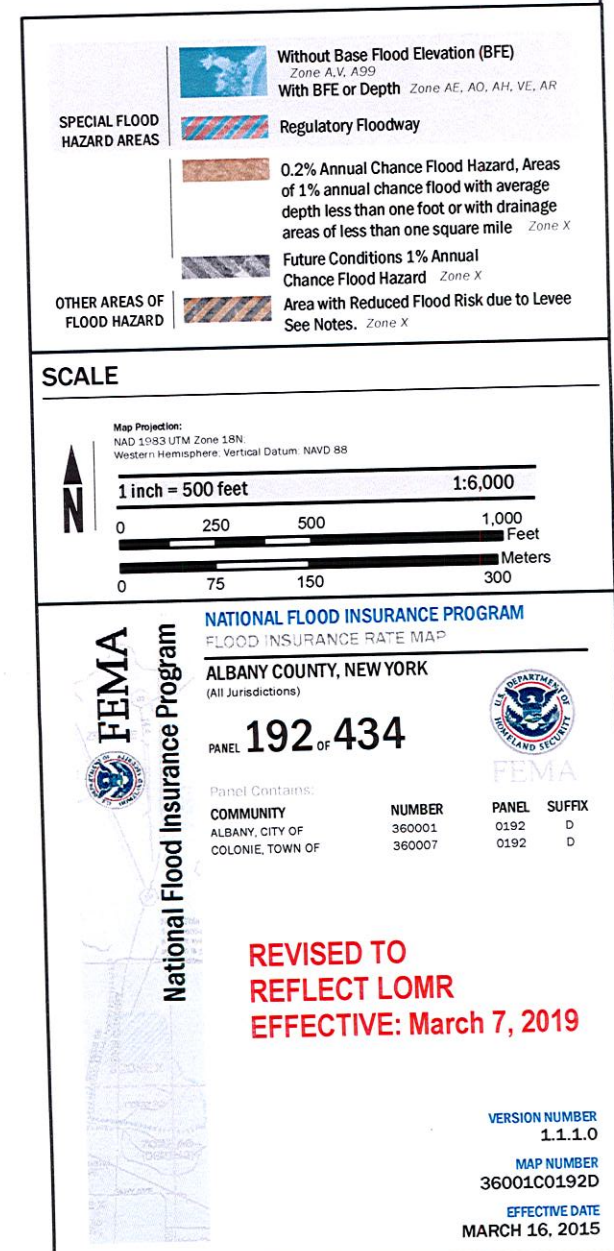




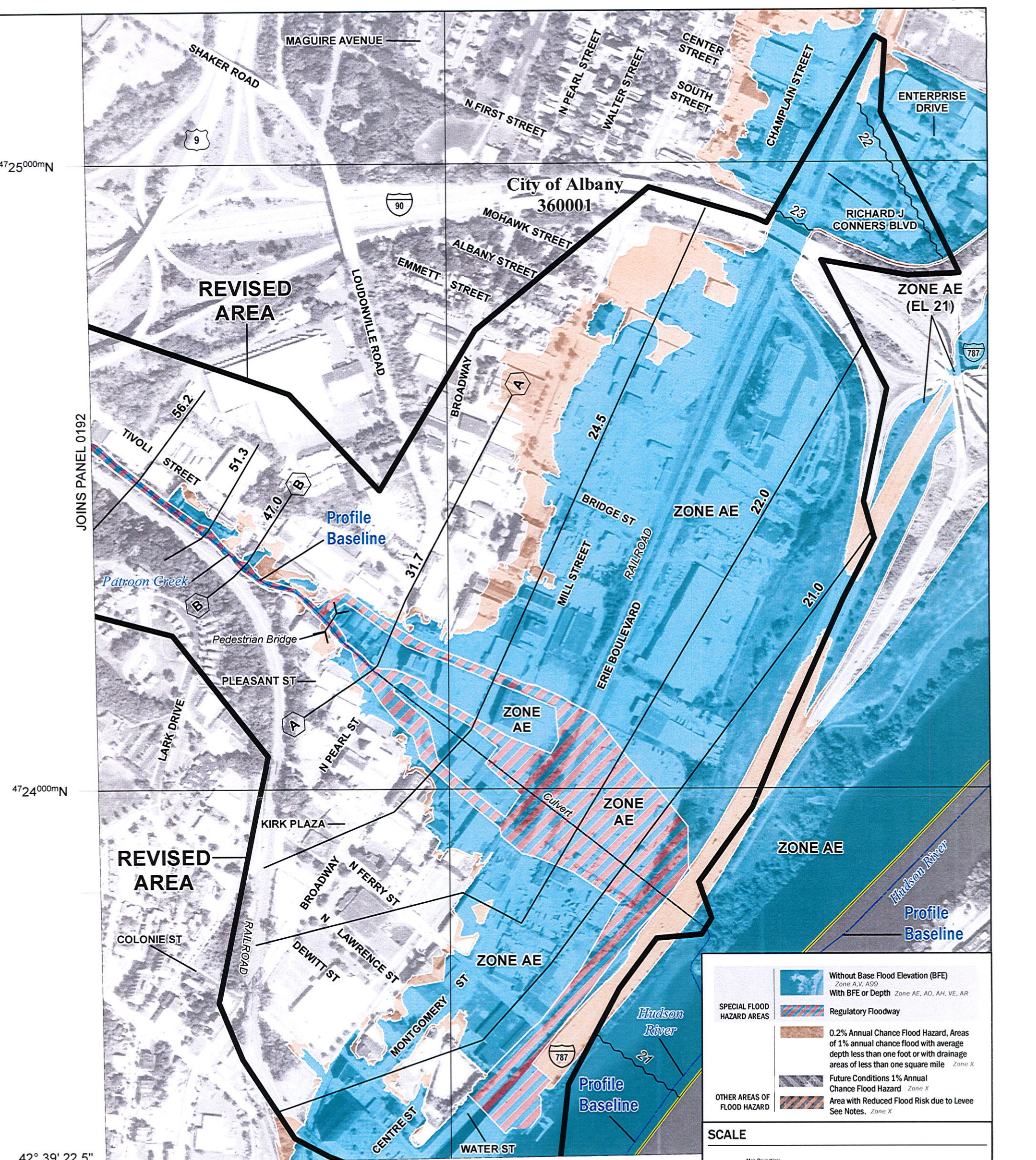




1395000 FT







47°25'00"N

47°24'00"N

42° 39' 22.5"

73° 45' 00"

695000 FT

JOINS PANEL 0213

JOINS PANEL 0192

SPECIAL FLOOD HAZARD AREAS

OTHER AREAS OF FLOOD HAZARD

Without Base Flood Elevation (BFE)  
Zone A, V, A99

With BFE or Depth Zone AE, AO, AH, VE, AR

Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with 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

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

SCALE

Map Projection:  
NAD 1983 UTM Zone 18N  
Western Hemisphere, Vertical Datum: NAVD 88

1 inch = 500 feet

1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

ALBANY COUNTY, NEW YORK

(All Jurisdictions)

PANEL 211 OF 434

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBANY, CITY OF	360001	0211	D
COLONIE, TOWN OF	360007	0211	D
MENANDS, VILLAGE OF	360012	0211	D

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1.1.1.0

MAP NUMBER  
36001C0211D

EFFECTIVE DATE  
MARCH 16, 2015



603°00mE

73° 45' 00"

JOINS PANEL 0211

39' 22.5"

City of Albany  
360001

BROADWAY

STREET 21

WATER

ORANGE STREET

COLUMBIA STREET

21

PINE STREET

20

787

ZONE AE

Railroad  
(High Level Bridge)

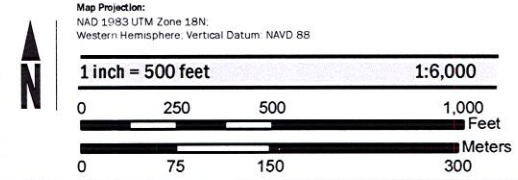
REVISED  
AREA

Profile  
Baseline

Hudson River

- SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE)  
Zone A.V, A99
  - With BFE or Depth Zone AE, AO, AH, VE, AR
  - Regulatory Floodway
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with 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
  - Area with Reduced Flood Risk due to Levee See Notes. Zone X
- OTHER AREAS OF FLOOD HAZARD**

SCALE



**FEMA**  
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP

**ALBANY COUNTY, NEW YORK**  
(All Jurisdictions)

PANEL **213** OF **434**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBANY, CITY OF	360001	0213	D

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: March 7, 2019**

VERSION NUMBER  
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EFFECTIVE DATE  
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