Page 1 of 6 Issue Date: May 2, 2016 Effective Date: September 14, 2016 Case No.: 16-05-1781P LOMR-APP



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

	COMMUNITY AND REVISION INFORMA	TION	PROJECT DESCRIPTION	BASIS OF REQUEST		
COMMUNITY	Dane County Wisconsin (Unincorporated Ar	eas)	CULVERT	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA		
	COMMUNITY NO.: 550077					
IDENTIFIER	East Branch Starkweather Creek		APPROXIMATE LATITUDE & LONGITUDE: 43.105, -89.327 SOURCE: Other DATUM: NAD 83			
ANNOTATED MAPPING ENCLOSURES			ANNOTATED STUDY ENCLOSURES			
TYPE: FIRM*	NO.: 55025C0427H DATE:	September 17, 2014	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 17, 2014 PROFILES: 31P AND 62P FLOODWAY DATA TABLE: 8			

Enclosures reflect changes to flooding sources affected by this revision.

FLOODING SOURCES & REVISED REACHES

See Page 2 for Additional Flooding Sources

East Branch Starkweather Creek - From approximately 60 feet downstream of Milwaukee Street to approximately 3,270 feet upstream of Milwaukee Street

SUMMARY OF REVISIONS					
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases	
East Branch Starkweather Creek	Zone AE	Zone AE	YES	YES	
	Zone X (shaded)	Zone X (shaded)	YES	YES	
	BFEs*	BFEs	YES	NONE	
	Floodway	Floodway	YES	YES	
* BFFs - Base Flood Flevations					

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, 847 South Pickett Street, Alexandria, VA 22304-4605. 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

^{*} FIRM - Flood Insurance Rate Map

Page 2 of 6 Issue Date: May 2, 2016 Effective Date: September 14, 2016 Case No.: 16-05-1781P LOMR-APP



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCES & REVISED REACHES

Milwaukee Street Tributary - From confluence with East Branch Starkweather Creek to approximately 650 feet upstream of confluence with East Branch Starkweather Creek.

	SUMMARY OF REVISIONS				
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases	
Milwaukee Street Tributary	BFEs*	BFEs	YES	YES	
* 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 toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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16-05-1781P 102-I-A-C

Page 3 of 6 Issue Date: May 2, 2016 Effective Date: September 14, 2016 Case No.: 16-05-1781P LOMR-APP



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 550083 Name: City of Madison, Wisconsin

AFFECTED	MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT			
TYPE: FIRM NO.: 55025C042	7H DATE: September 17, 2014	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 17, 2014 PROFILES: 31P AND 62P FLOODWAY DATA TABLE: 8			

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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Federal Insurance and Mitigation Administration 16-05-1781P 102-I-A-C



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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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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Page 5 of 6 Issue Date: May 2, 2016 Effective Date: September 14, 2016 Case No.: 16-05-1781P LOMR-APP



Federal Emergency Management Agency

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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.

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:

Ms. Christine Stack
Director, Mitigation Division
Federal Emergency Management Agency, Region V
536 South Clark Street, Sixth Floor
Chicago, IL 60605
(312) 408-5500

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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Page 6 of 6 Issue Date: May 2, 2016 Effective Date: September 14, 2016 Case No.: 16-05-1781P LOMR-APP



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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: Wisconsin State Journal

Dates: May 10, 2016 and May 17, 2016

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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional Information about the NFIP is available on our website at http://www.fema.gov/nfip.

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FLOODING SOURCE			FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	WIDTH REDUCED FROM PRIOR STUDY (FEET)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
EAST BRANCH STARKWEATHER									
CREEK									
A	220	84	167	5.2	112	848.2	848.2	848.2	0.0
В	406	146	376	2.3	0	849.2	849.2	849.2	0.0
C	1,079	94	440	2.1	0	849.9	849.9	849.9	0.0
D	1,822	82	268	2.9	0	850.3	850.3	850.3	0.0
E	2,351	411	2,577	0.5	0	850.6	850.6	850.6	0.0
F	3,833	459	2,633	0.4	0	850.7	850.7	850.7	0.0
G	4,637	63 🔨	366	2.1	0	851.0	851.0	851.0	0.0
Н	5,816	301	861	0.9	0	851.7	851.7	851.7	0.0
I	6,467	60	208	3.7	0	851.7	851.7	851.7	0.0
J	6,938	295	1,393	0.6	0	853.1	853.1	853.1	0.0
K	7,552	410	1,862	0.4	0	853.1	853.1	853.1	0.0
L	8,561	334	1,007	0.8	0	853.3	853.3	853.3	0.0
M	9,038	34	268	3.1	0	853.5	853.5	853.5	0.0
N	11,189	249	858	1.1	0	854.7	854.7	854.7	0.0
0	12,467	86	217	4.5	0	855.3	855.3	855.3	0.0
Р	13,322	127	585	1.2	0	857.0	857.0	857.0	0.0
Q	13,660	61	298	2.4	0	858.0	858.0	858.0	0.0
R	14,458	50	152	4.8	0	858.9	858.9	858.9	0.0
S	15,734	64	166	4.4	0	866.2	866.2	866.2	0.0
T	15,926	59	239	3.0	0	868.7	868.7	868.7	0.0
U	16,591	240	624	1.2	0	871.9	871.9	871.9	0.0
V	17,318	61	317	2.3	0	878.6	878.6	878.6	0.0
Feet above confluence with	Starkweather Creek	REVIS	ED DATA						
FEDERAL EMERGENCY MANAGEMENT AGENCY		FLOODWAY DATA							
DANE COUNTY, WI AND INCORPORATED AREAS			EAST BRANCH STARKWEATHER CREEK						

REVISED TO REFLECT LOMR EFFECTIVE: SEPTEMBER 14, 2016

AND INCORPORATED AREAS





