



Federal Emergency Management Agency

Washington, D.C. 20472

September 25, 2017

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

The Honorable Ryan Karasek
Mayor, City of Champlin
City Hall
11955 Champlin Drive
Champlin, MN 55316

IN REPLY REFER TO:
Case No.: 17-05-3893P
Follows Conditional
Case No.: 13-05-8011R
Community Name: City of Champlin, MN
Community No.: 270153
Effective Date of
This Revision: **February 16, 2018**

Dear Mayor Karasek:

91 7199 9991 7035 8953 0158

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 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 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 Chicago, Illinois, at (312) 408-5500, 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. 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: Mr. Bret Heitkamp
City Administrator, City of Champlin

Ms. Ceil Strauss, CFM
State NFIP Coordinator
Minnesota Department of Natural Resources - Waters

Mrs. Earth Evans, P.E.
WSB and Associates, Inc.



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LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST	
COMMUNITY	City of Champlin Hennepin County Minnesota	BRIDGE DAM	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA WEIR-DAM CHANGES	
	COMMUNITY NO.: 270153			
IDENTIFIER	Champlin Dam LOMR	APPROXIMATE LATITUDE & LONGITUDE: 45.183, -93.413 SOURCE: Other DATUM: NAD 83		
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES		
TYPE: FIRM*	NO.: 27053C0058F	DATE: November 4, 2016	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 04, 2016	
TYPE: FIRM	NO.: 27053C0059F	DATE: November 4, 2016	PROFILE: 27P	
TYPE: FIRM	NO.: 27053C0066F	DATE: November 4, 2016	FLOODWAY DATA TABLE: 9	
TYPE: FIRM	NO.: 27053C0067F	DATE: November 4, 2016		

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Elm Creek - From approximately 1,090 feet downstream of U.S. Route 169 to approximately 9,700 feet upstream of U.S. Route 169

**NOTE: The revised upstream tie-in Cross Section N was defined in the effective Flood Insurance Study as being located 2.34 miles (or approximately 12,392 feet) upstream of State Route 12. This LOMR redefines Cross Section N as being located 2.14 miles (or approximately 11,273 feet) upstream of State Route 12. This discrepancy is because a profile baseline was not established on the effective maps. A gap is shown on the profile accordingly.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Elm Creek	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	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
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Elm Creek - From approximately 1,090 feet downstream of U.S. Route 169 to approximately 9,700 feet upstream of U.S. Route 169

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Elm Creek				
	Zone AH	Zone X (unshaded)	NONE	YES
	Zone X (shaded)	Zone X (unshaded)	NONE	YES
	Zone X (unshaded)	Zone X (shaded)	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES

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 "Patrick 'Rick' F. Sacbabit".

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



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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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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. Mary Beth Caruso
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 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 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. Sacbabit, P.E., Branch Chief
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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: *Champlin-Dayton Press*
Dates: October 12, 2017 and October 19, 2017

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, 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. Sacbabit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION				
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NGVD)	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE (FEET)	
ELM CREEK									
A	*	*	*	*	*	*	*	*	
B	*	*	*	*	*	*	*	*	
C	*	*	*	*	*	*	*	*	
D	*	*	*	*	*	*	*	*	
E	0.88	272	3,067	0.9	856.3	856.3	856.3	0.0	
F	1.06	149	1,239	2.2	856.4	856.4	856.4	0.0	
G	1.28	274	1,945	1.4	856.6	856.6	856.8	0.2	
H	1.46	354	2,581	1.1	856.7	856.7	857.0	0.3	
I	1.59	424	2,674	1.0	856.7	856.7	857.1	0.4	
J	1.64	162	1,050	2.7	856.7	856.7	857.1	0.4	
K	1.83	243	1,853	1.5	857.4	857.4	857.8	0.4	
L	1.86	314	2,462	1.1	857.5	857.5	857.8	0.3	
M	2.09	182	1,299	2.1	857.8	857.8	858.1	0.3	
N	2.14	117	853	3.3	857.8	857.8	858.2	0.4	
O	3.98	3,865	*	*	858.3	858.3	*	*	
P	4.34	3,411	*	*	858.3	858.3	*	*	
Q	4.62	752	*	*	858.5	858.5	*	*	
R	4.71	473	*	*	860.5	860.5	*	*	
S	4.80	843	*	*	861.4	861.4	*	*	
T	4.90	706	*	*	861.8	861.8	*	*	
U	4.95	820	*	*	863.1	863.1	*	*	

¹Miles above State Route 12

*Data not applicable

REVISED DATA

**REVISED TO REFLECT LOMR
EFFECTIVE: FEBRUARY 16, 2018**

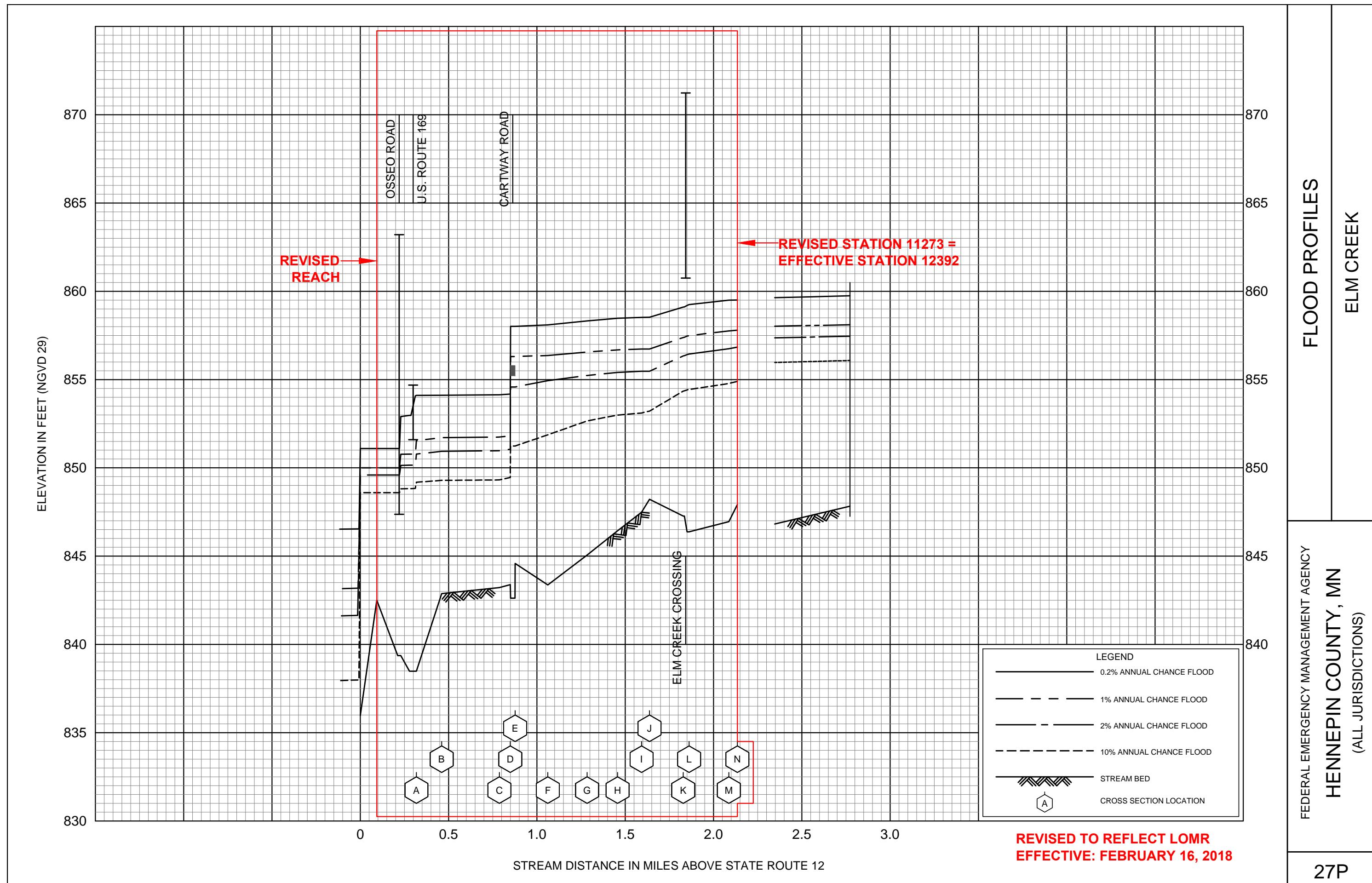
TABLE 9

FEDERAL EMERGENCY MANAGEMENT AGENCY

**HENNEPIN COUNTY, MN
(ALL JURISDICTIONS)**

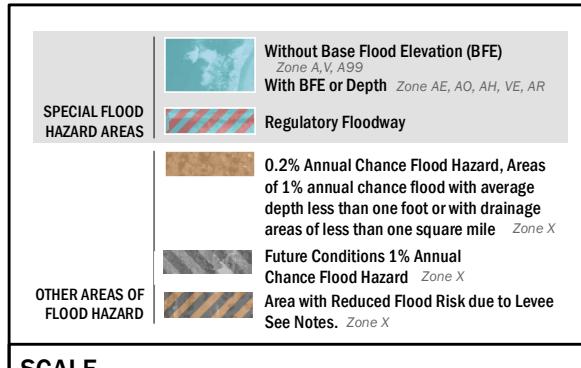
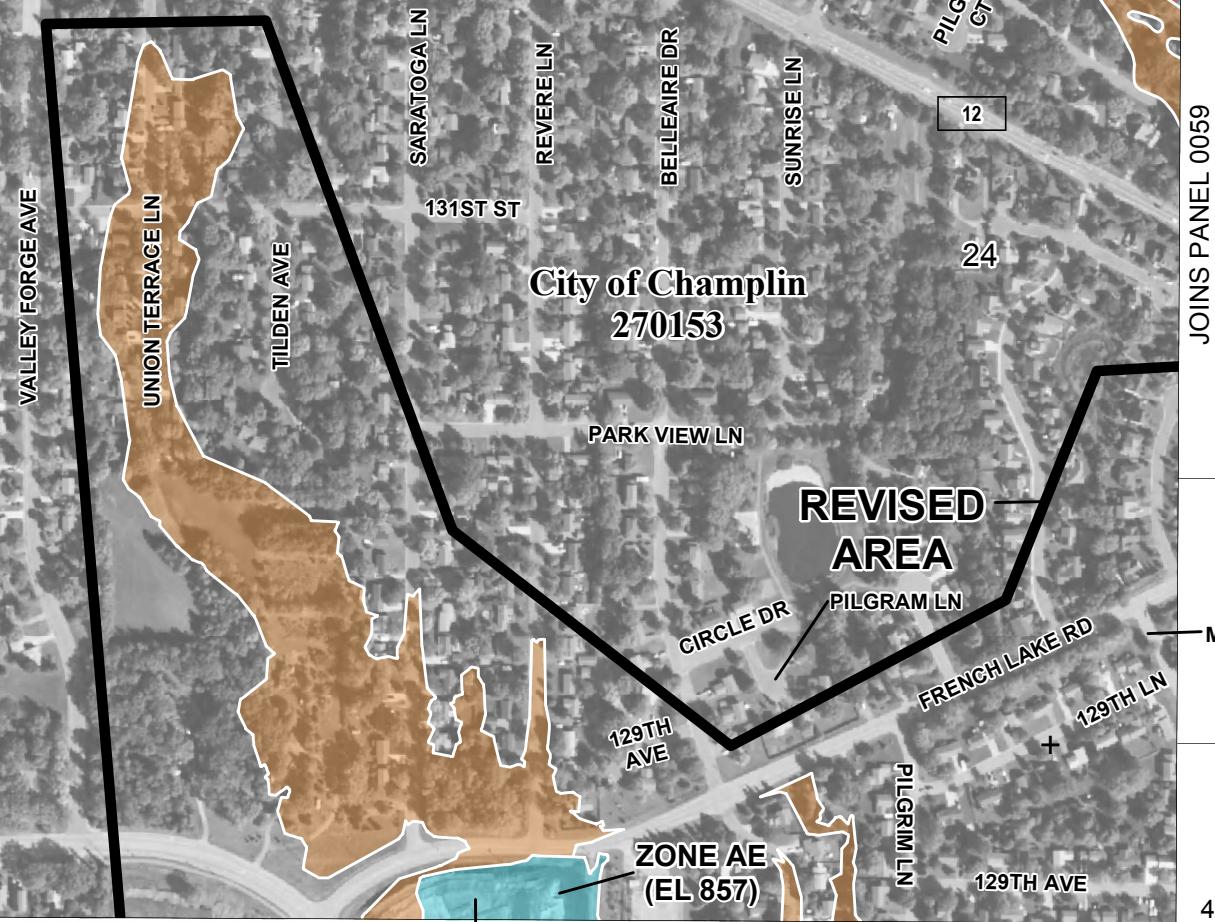
FLOODWAY DATA

ELM CREEK

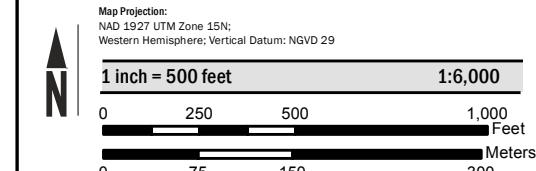


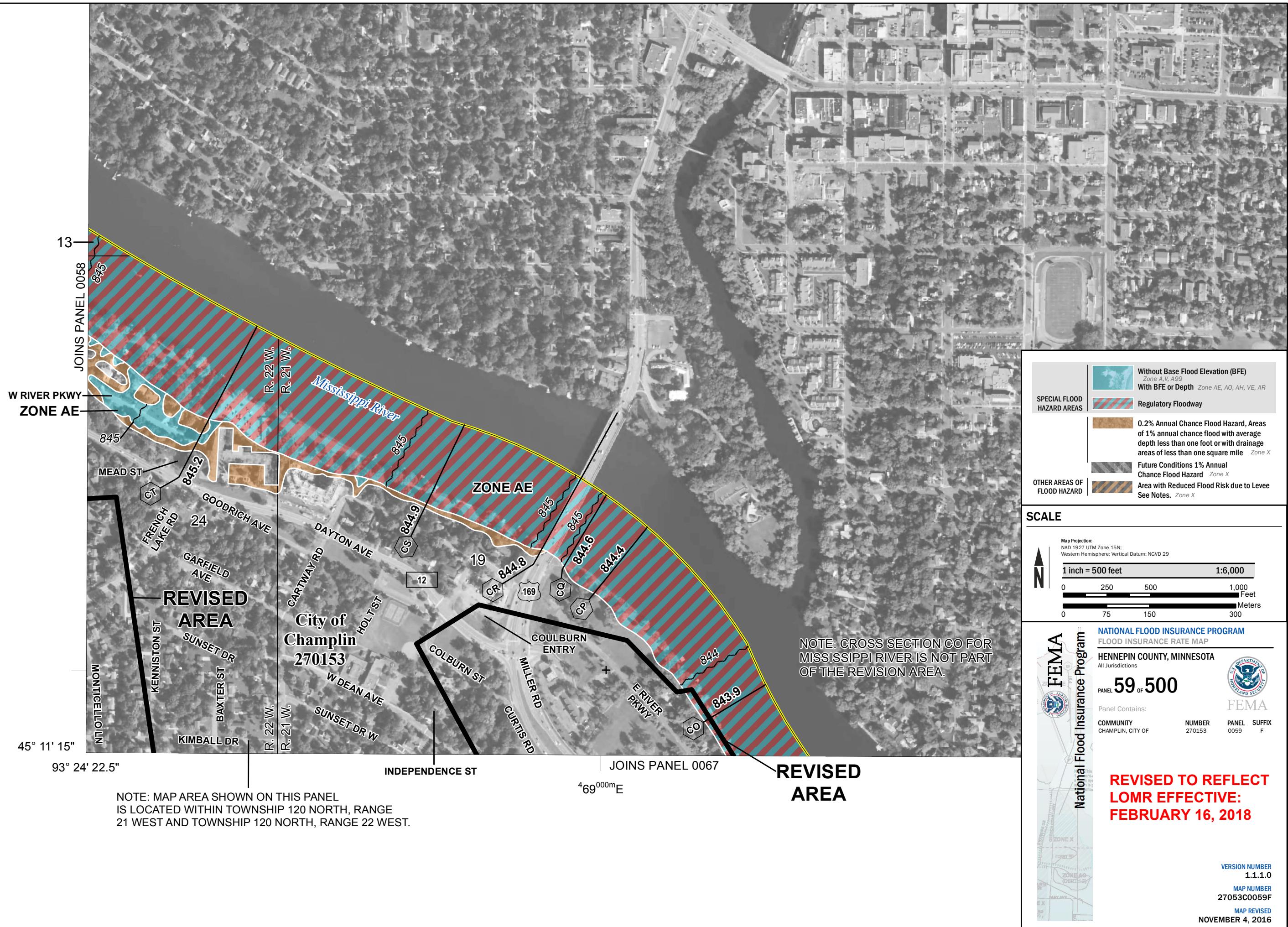


NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 120 NORTH, RANGE 22 WEST.



SCALE





2775000 FT

BELLEAIRE DR.

93° 24' 22.5'

45° 11' 15'

JOINS PANEL 0058

This map shows a revised area with the following key features:

- Flood Zones:** The map displays two main flood zones: **ZONE AE** (shaded in teal) and **A98** (shaded in brown).
- Rivers and Creeks:** Elm Creek is shown flowing through the area, with a bridge crossing it. The creek is labeled **ELM CREEK CROSSING**.
- Roads:** The map includes **W HAYDEN LAKE RD**, **ELM CREEK RD**, and **128TH LN**.
- Properties and Lots:** Properties are labeled with letters **M**, **N**, **Q**, **U**, **V**, **W**, **X**, **Y**, **Z**, **H**, **G**, **F**, **E**, **D**, **C**, **B**, **A**, **J**, **I**, **L**, **K**, and **24**. A property labeled **VERA ST** is shown with a red hatched area.
- Profile Baseline:** A blue line labeled **Profile Baseline** is drawn across the creek, indicating a specific elevation level.
- Bridge:** A bridge is shown crossing Elm Creek.
- City and Zip Code:** The **City of Champlin** is shown with the zip code **270153**.
- Notes:**
 - A note at the bottom right states: **NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 120 NORTH, RANGE 22 WEST.**
 - A note on the left side of the map area states: **25** **88.8**

NOTE: MAP AREA SHOWN ON
THIS PANEL IS LOCATED
WITHIN TOWNSHIP 120 NORTH,
RANGE 22 WEST.

JOINS PANEL 0067

50 03 000M

SPECIAL FLOOD HAZARD AREAS	 	Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD	  	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 1927 UTM Zone 15N;
Western Hemisphere; Vertical Datum: NAVD 27

1 inch = 500 feet 1:6,000

0 250 500 1,000

Feet

Meters

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

HENNEPIN COUNTY, MINNESOTA
All Jurisdictions



FEMA

41

Panel Contains:

COMMUNITY
CHAMPLIN, CITY OF
DAYTON, CITY OF

NUMBER
270153
270157

PANEL SUFFIX
0066 F
0066 F

**REVISED TO REFLECT
LOMR EFFECTIVE:
FEBRUARY 16, 2018**

VERSION NUMBER

MAP NUMBER
2705200066

MAP REVISED

MAI REVISED
NOVEMBER 4, 2016

