



# 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. Sacbitt, 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.

Follows Conditional Case No.: 13-05-8011R



# 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 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 TYPE: FIRM NO.: 27053C0059F DATE: November 4, 2016 TYPE: FIRM NO.: 27053C0066F DATE: November 4, 2016 TYPE: FIRM NO.: 27053C0067F DATE: November 4, 2016		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 04, 2016 PROFILE: 27P FLOODWAY DATA TABLE: 9	

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

17-05-3893P

102-I-A-C



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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>.

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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>.

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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](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>.

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Engineering Services Branch  
Federal Insurance and Mitigation Administration

17-05-3893P

102-I-A-C

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE-FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE <sup>1</sup>	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	*	*

<sup>1</sup>Miles above State Route 12

\*Data not applicable

**REVISED DATA**

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

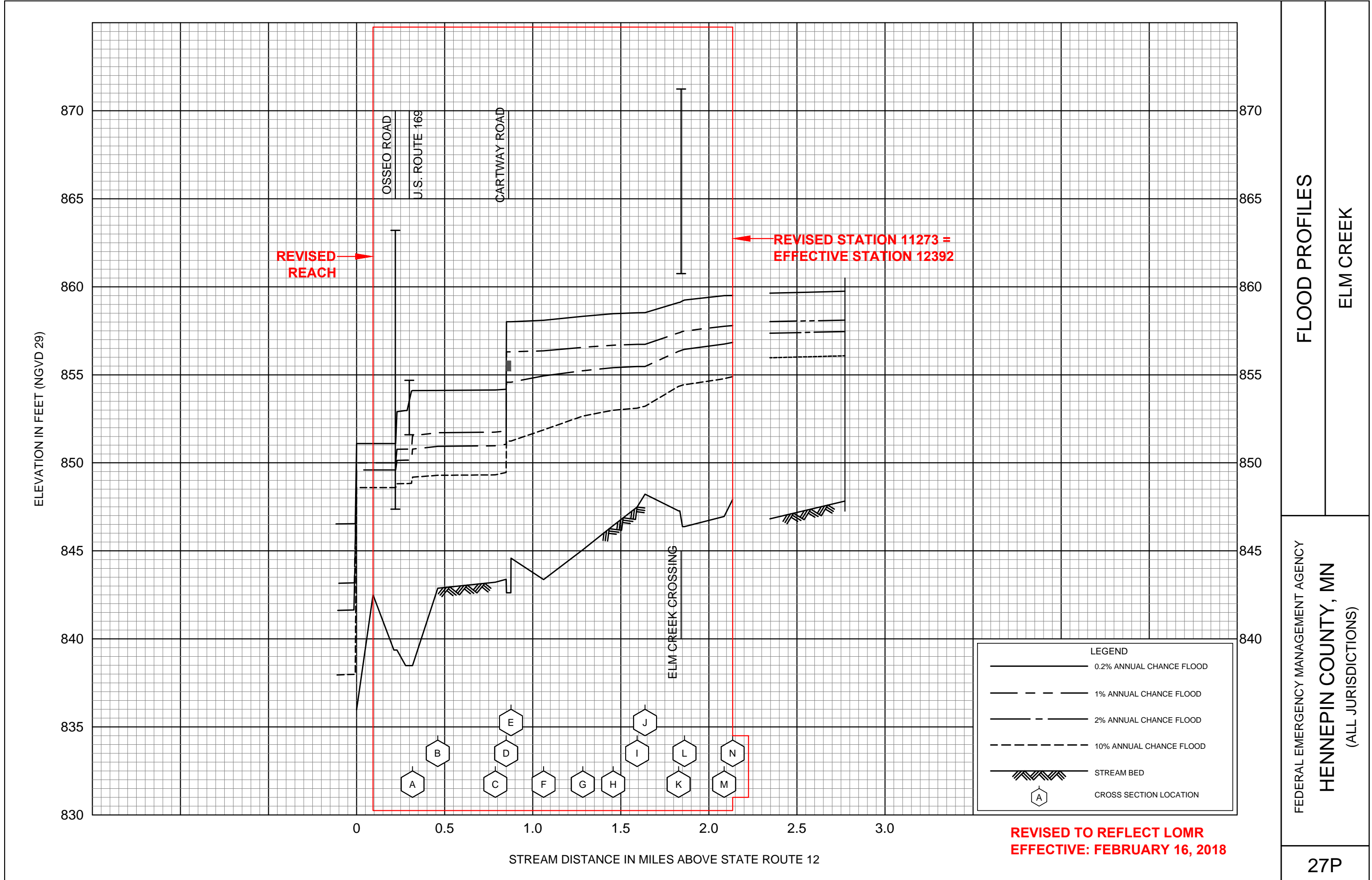
**TABLE 9**

FEDERAL EMERGENCY MANAGEMENT AGENCY

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

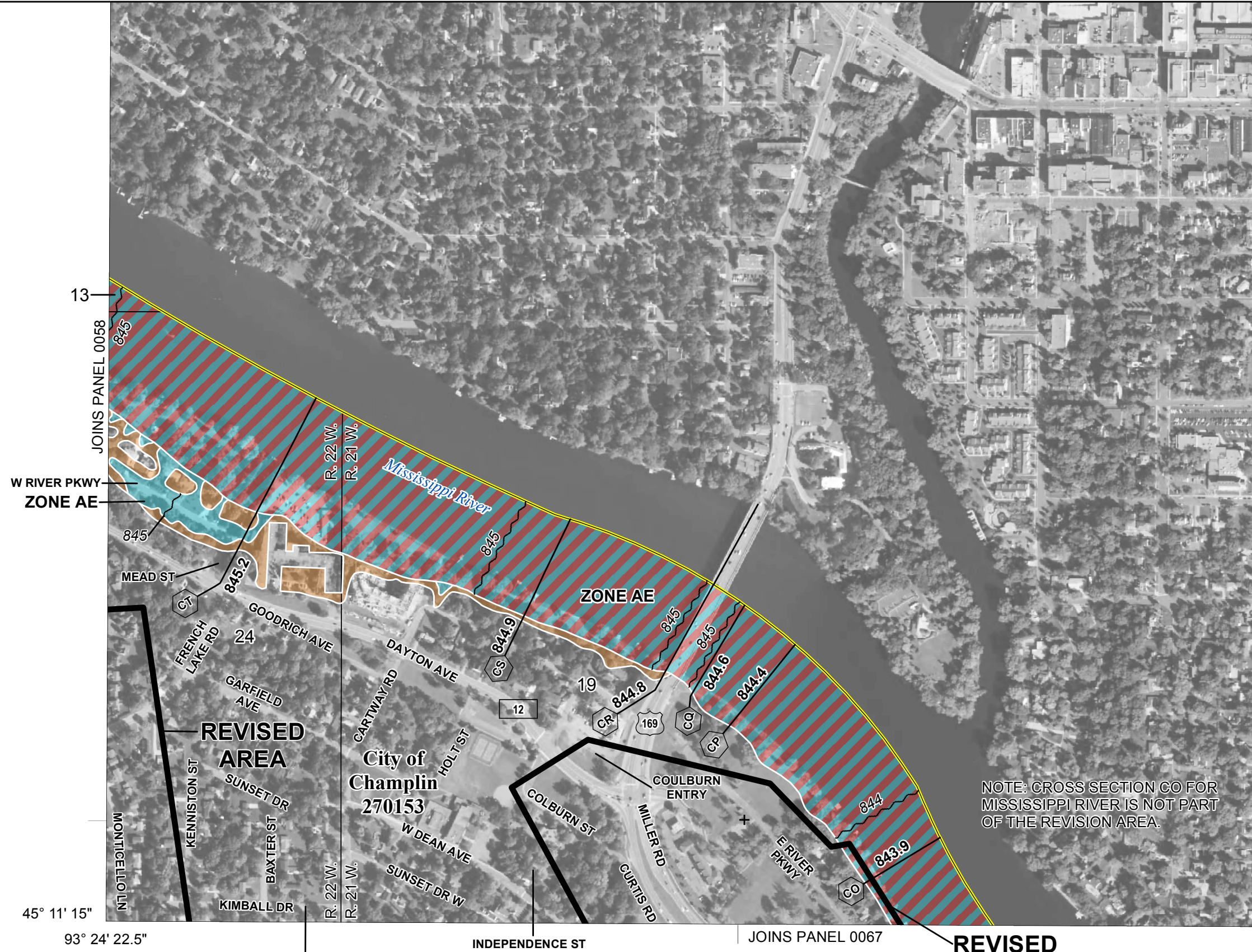
**FLOODWAY DATA**

**ELM CREEK**









NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 120 NORTH, RANGE 21 WEST AND TOWNSHIP 120 NORTH, RANGE 22 WEST.

NOTE: CROSS SECTION CO FOR MISSISSIPPI RIVER IS NOT PART OF THE REVISION AREA.

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		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 1927 UTM Zone 15N;  
Western Hemisphere; Vertical Datum: NGVD 29

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

**National Flood Insurance Program**

**FLOOD INSURANCE RATE MAP**

**HENNEPIN COUNTY, MINNESOTA**  
All Jurisdictions

**PANEL 59 OF 500**

Panel Contains:

COMMUNITY CHAMPLIN, CITY OF	NUMBER 270153	PANEL 0059	SUFFIX F
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**REVISED TO REFLECT LOMR EFFECTIVE: FEBRUARY 16, 2018**

VERSION NUMBER  
1.1.1.0

MAP NUMBER  
27053C0059F

MAP REVISED  
NOVEMBER 4, 2016



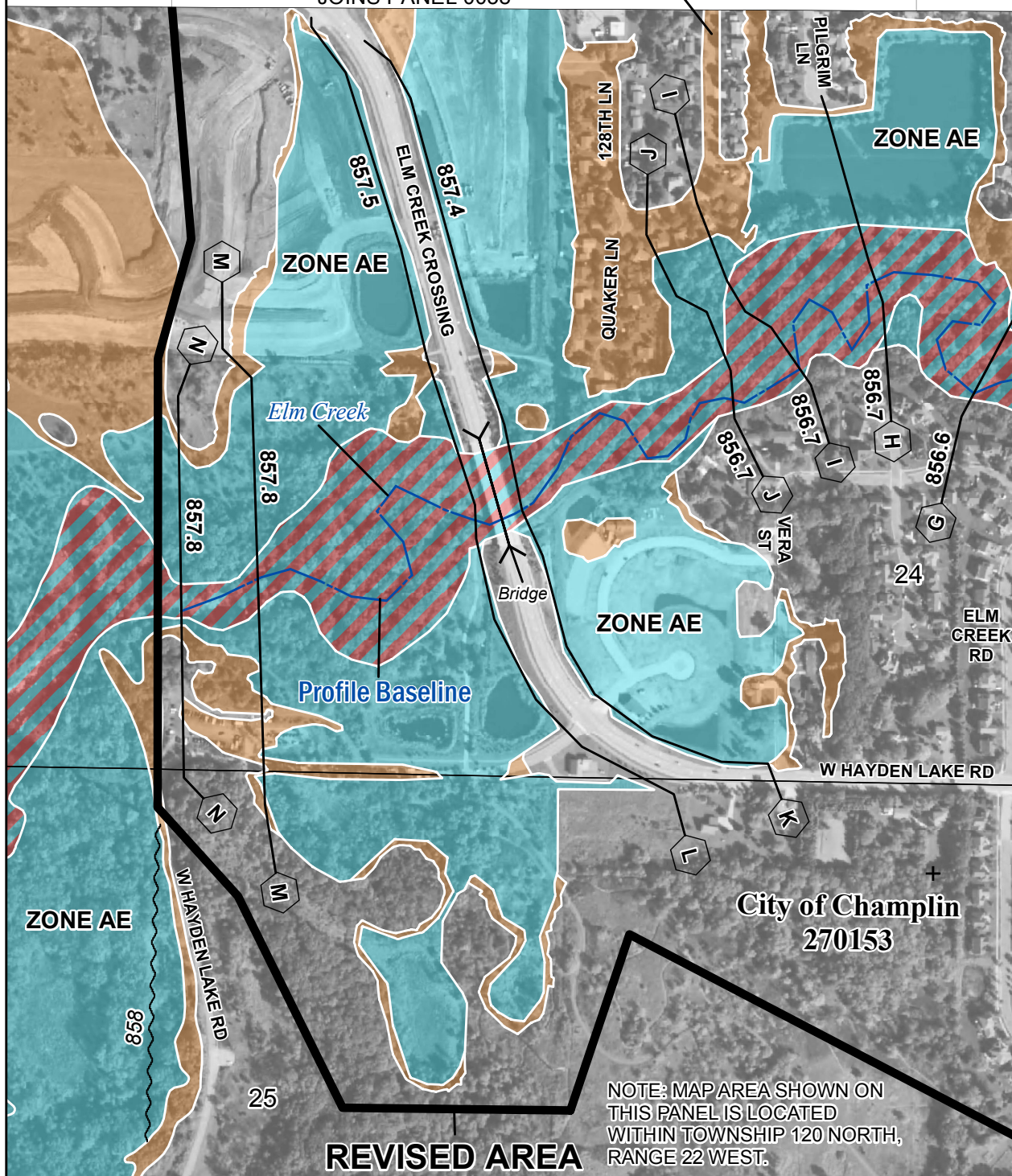
2775000 FT

JOINS PANEL 0058

BELLEAIRE DR

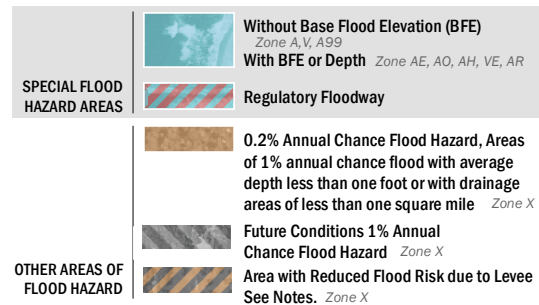
93° 24' 22.5"

45° 11' 15"

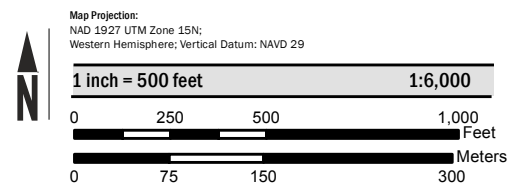


JOINS PANEL 0067

50° 03' 00.00"N



## SCALE



National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM  
FLOOD INSURANCE RATE MAPHENNEPIN COUNTY, MINNESOTA  
All Jurisdictions

PANEL 66 OF 500

Panel Contains:

COMMUNITY  
CHAMPLIN, CITY OF  
DAYTON, CITY OFNUMBER  
270153  
270157PANEL SUFFIX  
0066 F  
0066 F

FEMA

REVISED TO REFLECT  
LOMR EFFECTIVE:  
FEBRUARY 16, 2018VERSION NUMBER  
1.1.1.0MAP NUMBER  
27053C0066FMAP REVISED  
NOVEMBER 4, 2016



2780000 FT

2785000 FT

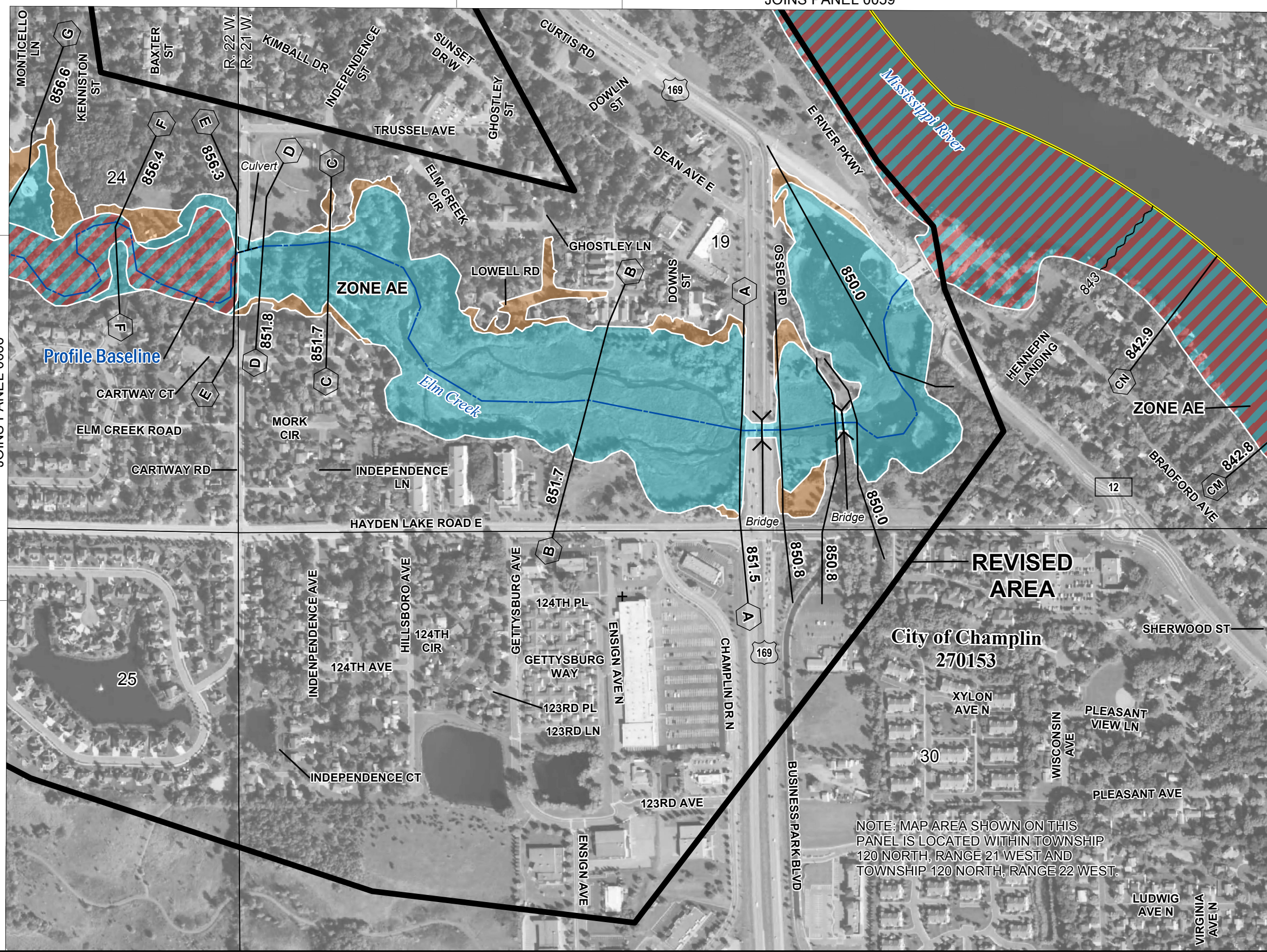
93° 24' 22.5"

JOINS PANEL 0059

45° 11' 15"

1125000 FT

JOINS PANEL 0066



**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**

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

**SCALE**

Map Projection:  
NAD 1927 UTM Zone 15N;  
Western Hemisphere; Vertical Datum: NGVD 29

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

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

**HENNEPIN COUNTY, MINNESOTA**  
All Jurisdictions

**PANEL 67 OF 500**

Panel Contains:  
COMMUNITY CHAMPLIN, CITY OF NUMBER 270153 PANEL 0067 SUFFIX F

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

**City of Champlin 270153**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 120 NORTH, RANGE 21 WEST AND TOWNSHIP 120 NORTH, RANGE 22 WEST.

**VERSION NUMBER 1.1.1.0**  
**MAP NUMBER 27053C0067F**  
**MAP REVISED NOVEMBER 4, 2016**