



# 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 Westlake Cuyahoga County Ohio	CHANNELIZATION DETENTION BASIN	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA UPDATE
	COMMUNITY NO.: 390136		
IDENTIFIER	Dover Ditch Stream Restoration	APPROXIMATE LATITUDE & LONGITUDE: 41.443, -81.924 SOURCE: Other      DATUM: WGS84	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 39035C0133E      DATE: December 3, 2010	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 15, 2019	
TYPE: FIRM	NO.: 39035C0137E      DATE: December 3, 2010	PROFILE(S): 32P, 33P, AND 34P	
TYPE: FIRM	NO.: 39035C0141E      DATE: December 3, 2010	FLOODWAY DATA TABLE: 18	
		SUMMARY OF DISCHARGES TABLE: 13	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map

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

Cahoon Creek / Dover Ditch – From approximately 240 feet downstream of Dover Center Road to approximately 310 feet upstream of Crocker-Stearns Road

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Cahoon Creek / Dover Ditch	Zone AE	Zone AE	Yes	Yes
	Floodway	Floodway	Yes	Yes
	Zone X (Shaded)	Zone X (Shaded)	Yes	Yes
	BFEs*	BFEs	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 Mapping and Insurance 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 COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number:** 390120      **Name:** City of North Olmsted, Ohio

**AFFECTED MAP PANELS**

TYPE: FIRM      NO.: 39035C0141E      DATE: December 3, 2010

**AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT**

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: August 15, 2019  
PROFILE(S): 32P, 33P, AND 34P  
FLOODWAY DATA TABLE: 18  
SUMMARY OF DISCHARGES TABLE: 13

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 Mapping and Insurance 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 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/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.

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.

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 Mapping and Insurance 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



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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (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:

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 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.

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 Mapping and Insurance 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  
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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: *The Plain Dealer*

Dates: June 24, 2020 and July 1, 2020

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 Mapping and Insurance 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



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

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

**Regulatory Floodway**

**SPECIAL FLOOD HAZARD AREAS**

**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 Produced:  
MAD 1583 Standard, Ohio North FIPS 3101 Feet,  
Western Hemisphere, Vertical Datum: NAVD 88

1 inch = 500 feet

0 250 500 1,000 Feet

0 75 150 300 Meters

1:6,000

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

**CUYAHOGA COUNTY, OHIO**  
and Incorporated Areas

**133 OF 375**

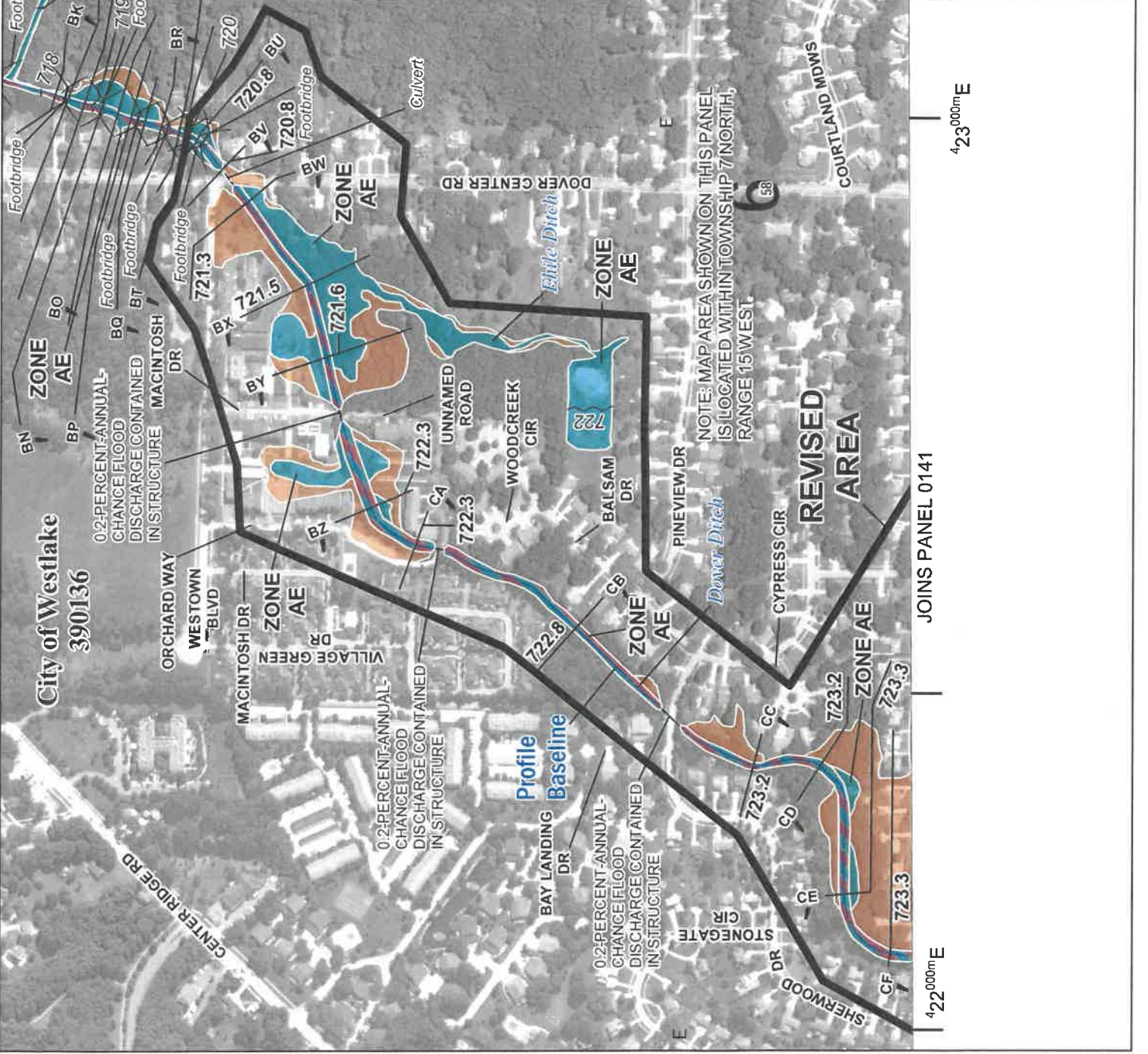
Panel Contains:  
COMMUNITY NUMBER 390136  
WESTLAKE, CITY OF

FEMA  
PANEL SUFFIX 0133 E

**REVISED TO REFLECT LOMR EFFECTIVE: October 29, 2020**

**National Flood Insurance Program**

VERSION NUMBER 2.1.3.0  
MAP NUMBER 39035C0133E  
EFFECTIVE DATE DECEMBER 3, 2010



422,000m E

423,000m E

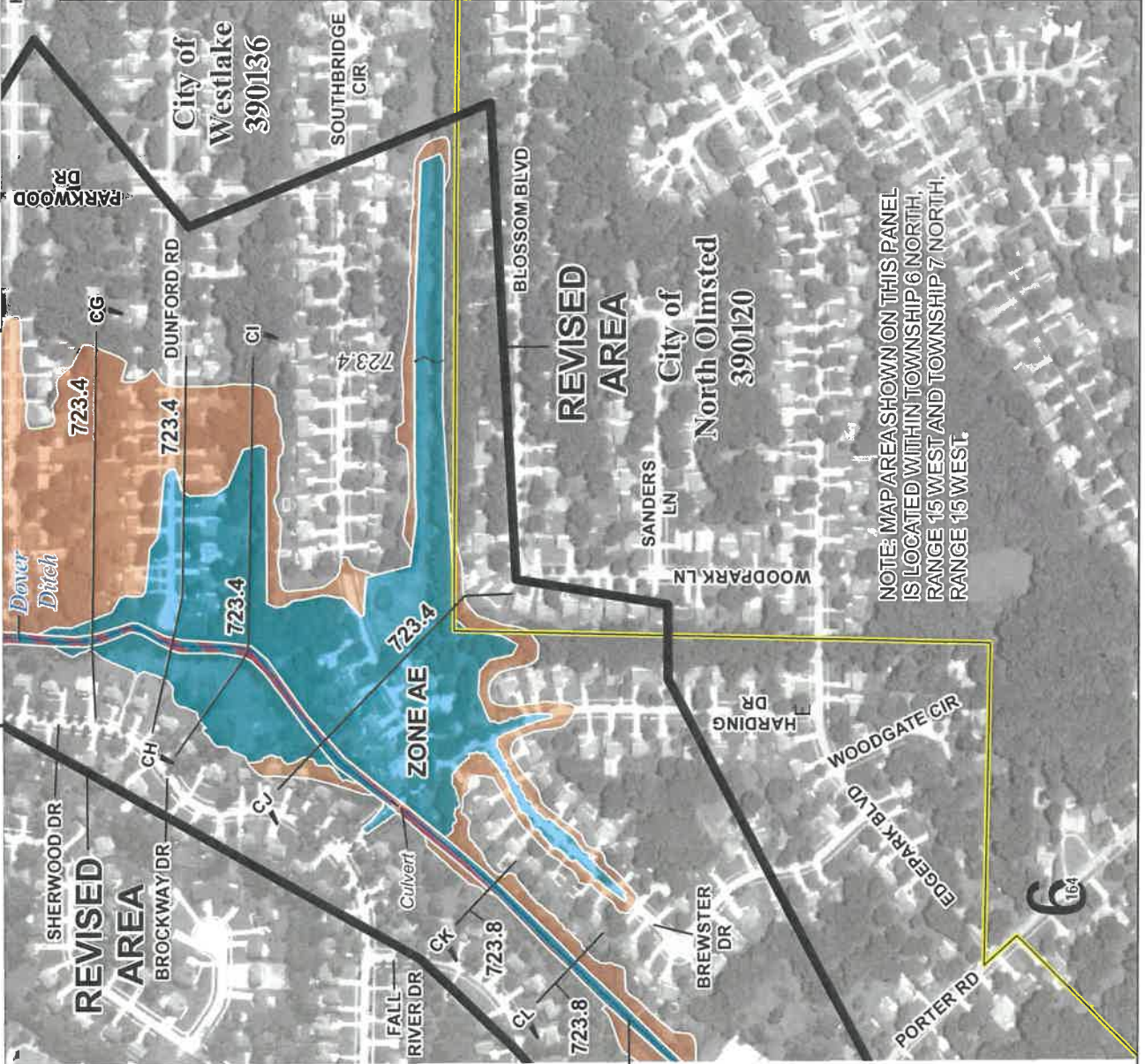
JOINS PANEL 0141

2125000 FT

81° 56' 15.0"

41° 26' 15.0"

JOINS PANEL 0133



**REVISED AREA**

**REVISED AREA**

**City of Westlake 390136**

**City of North Olmsted 390120**

**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

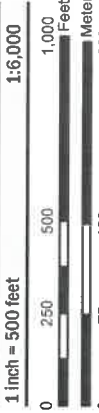
**Area with Reduced Flood Risk due to Levee** See Notes. Zone X

**SPECIAL FLOOD HAZARD AREAS**

**OTHER AREAS OF FLOOD HAZARD**

**SCALE**

Map Projection:  
NAD 1983 StatePlane Ohio North FIPS 3203 Feet,  
Western Hemisphere, Vertical Datum: NAVD 88



**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP  
CUYAHOGA COUNTY, OHIO  
and Incorporated Areas

**141 of 375**

Panel Contains:	NUMBER	PANEL	SUFFIX
COMMUNITY	390120	0141	E
NORTH OLMSTED, CITY OF	390136	0141	E
WESTLAKE, CITY OF			

**REVISED TO REFLECT LOMR**  
**EFFECTIVE: October 29, 2020**

VERSION NUMBER  
**2.1.3.0**

MAP NUMBER  
**39035C0141E**

EFFECTIVE DATE  
**DECEMBER 3, 2010**

**NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 6 NORTH, RANGE 15 WEST AND TOWNSHIP 7 NORTH, RANGE 15 WEST.**

**Profile Baseline**

645000 FT

158

164

**SCALE**

Map Projection:  
 NAD 1983 StatePlane Ohio North FIPS 3401 Feet,  
 Western Hemisphere, Vertical Datum: NAVD 88



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

CUYAHOGA COUNTY, OHIO  
 and Incorporated Areas



PANEL  
**137 of 375**

Panel Contains:	NUMBER	PANEL SUFFIX
COMMUNITY	390120	0137 E
NORTH-OLMSTED, CITY OF	390136	0137 E
WESTLAKE, CITY OF		

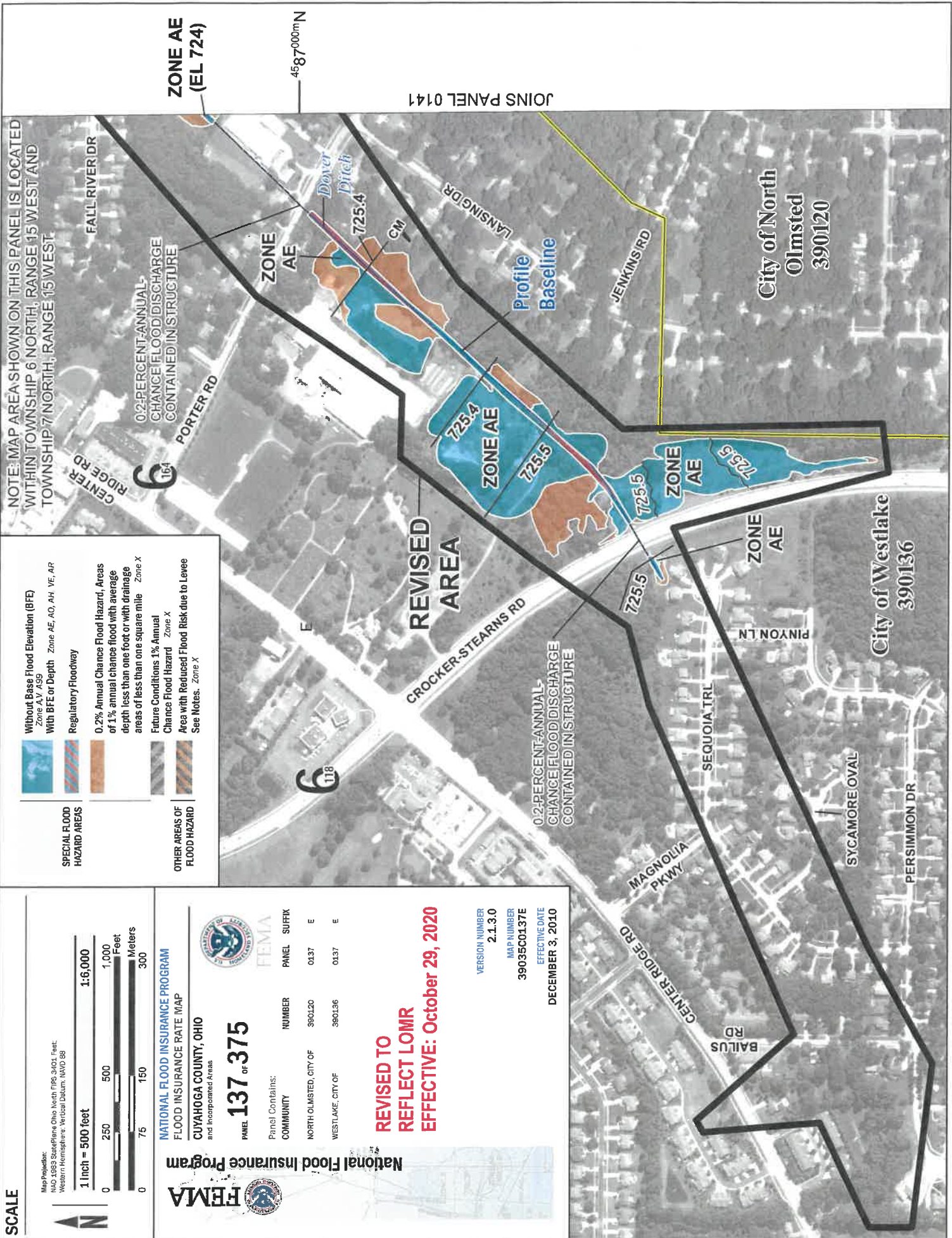
**REVISED TO  
 REFLECT LOMR  
 EFFECTIVE: October 29, 2020**

VERSION NUMBER  
 2.1.3.0  
 MAP NUMBER  
 39035C0137E  
 EFFECTIVE DATE  
 DECEMBER 3, 2010

**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE) Zone AV, AS9
- With BFE or Depth Zone AE, AO, AH, VE, AP
- 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**



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 6 NORTH, RANGE 15 WEST AND TOWNSHIP 7 NORTH, RANGE 15 WEST.

JOINS PANEL 0141

City of North  
 Olmsted  
 390120

City of Westlake  
 390136