Federal Emergency Management Agency

Washington, D.C. 20472

RECEIVED
SELECTMEN'S OFFICE
ARLINGTON, MA 02174
NOV 23 2 26 PM '15

November 16, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Kevin F. Greeley
Chairman, Town of Arlington
730 Massachusetts Avenue
Arlington, MA 02476

IN REPLY REFER TO:

Case No.:	15-01-2142P
Community Name:	Town of Arlington, MA
Community No.:	250177
Effective Date of This Revision:	**April 8, 2016**

Dear Chairman Greeley:

The Flood Insurance Study Report for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated attachments 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 Boston, Massachusetts, at (617) 832-4764, or the FEMA Map Information eXchange 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,

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Study Report

cc: The Honorable David P. Maher
Mayor, City of Cambridge

Mr. Sami S. Baghdady
Chairman, Town of Belmont

Mr. Wayne Chouinard, P.E.
Engineer, Town of Arlington

Mr. Eric Carlson, P.E.
NFIP Coordinator, Massachusetts DCR

Mr. Glenn Clancy, P.E.
Director of Public Works, Town of Belmont

Mr. Michael McMahon
Investor, GID Investment Advisers

Ms. Katherine Watkins, P.E.
Supervising Engineer, City of Cambridge

Ms. Sarah Widing, P.E.
Director of Land Development, VHB, Inc.

Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Town Of Arlington Middlesex County Massachusetts	EXCAVATION	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 250177		
IDENTIFIER	Vox On II Residence Of Alewife	APPROXIMATE LATITUDE & LONGITUDE: 42.400, -71.151 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 07, 2014 FLOODWAY DATA TABLE: 12

Enclosures reflect changes to flooding sources affected by this revision.

FLOODING SOURCE & REVISED REACH

Alewife Brook (Little River) - From the Route 2 Crossing to approximately 2,000 feet upstream of the Route 2 Crossing

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Alewife Brook (Little River)	BFEs*	BFEs	YES	NONE

* 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.

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Luis Rodriguez, P.E., Chief
Engineering Management 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: 250182 **Name:** Town Of Belmont, Massachusetts

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 7, 2014 FLOODWAY DATA TABLE: 12

CID Number: 250186 **Name:** City Of Cambridge, Massachusetts

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 7, 2014 FLOODWAY DATA TABLE: 12

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Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

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.

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.

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 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

Federal Emergency Management Agency
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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:

Mr. Dean Savramis
Director, Mitigation Division
Federal Emergency Management Agency, Region I
99 High Street, Sixth Floor
Boston, MA 02110
(617) 832-4764

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited 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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Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

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/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *Arlington Advocate*
Dates: December 3, 2015 and December 10, 2015

Within 90 days of the second publication in the local newspaper, a citizen 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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Engineering Management Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency

Washington, D.C. 20472

November 16, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable David P. Maher
Mayor, City of Cambridge
495 Massachusetts Avenue
Cambridge, MA 02139

IN REPLY REFER TO:

Case No.:	15-01-2142P
Community Name:	City of Cambridge, MA
Community No.:	250186
Effective Date of This Revision:	**April 8, 2016**

Dear Mayor Maher:

The Flood Insurance Study Report for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated attachments 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 Boston, Massachusetts, at (617) 832-4764, or the FEMA Map Information eXchange 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,

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Letter of Map Revision Determination Document
Annotated Flood Insurance Study Report

cc: Mr. Kevin F. Greeley
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Mr. Sami S. Baghdady
Chairman, Town of Belmont

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Supervising Engineer, City of Cambridge

Mr. Eric Carlson, P.E.
NFIP Coordinator, Massachusetts DCR

Mr. Wayne Chouinard, P.E.
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Director of Public Works, Town of Belmont

Mr. Michael McMahon
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Ms. Sarah Widing, P.E.
Director of Land Development, VHB, Inc.

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 Cambridge Middlesex County Massachusetts	EXCAVATION	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 250186		
IDENTIFIER	Vox On II Residence Of Alewife	APPROXIMATE LATITUDE & LONGITUDE: 42.400, -71.151 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 07, 2014 FLOODWAY DATA TABLE: 12

Enclosures reflect changes to flooding sources affected by this revision.

FLOODING SOURCES & REVISED REACHES

Alewife Brook (Little River) - From the Route 2 Crossing to approximately 2,000 feet upstream of the Route 2 Crossing

Wellington Brook – From the confluence of Alewife Brook to approximately 600 feet upstream of the confluence of Alewife Brook

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Alewife Brook (Little River)	BFEs*	BFEs	YES	NONE
Wellington Brook	BFEs	BFEs	YES	NONE

* 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.

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Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 250177 **Name:** Town Of Arlington, Massachusetts

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 7, 2014 FLOODWAY DATA TABLE: 12

CID Number: 250182 **Name:** Town Of Belmont, Massachusetts

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
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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.

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

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Director, Mitigation Division
Federal Emergency Management Agency, Region I
99 High Street, Sixth Floor
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(617) 832-4764

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LOCAL NEWSPAPER Name: *Cambridge Chronicle*
Dates: December 3, 2015 and December 10, 2015

Within 90 days of the second publication in the local newspaper, a citizen 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.

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Engineering Management Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency

Washington, D.C. 20472

November 16, 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Sami S. Baghdady
Chairman, Town of Belmont
455 Concord Avenue
Belmont, MA 02478

IN REPLY REFER TO:

Case No.:	15-01-2142P
Community Name:	Town of Belmont, MA
Community No.:	250182
Effective Date of This Revision:	**April 8, 2016**

Dear Chairman Baghdady:

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cc: The Honorable David P. Maher
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Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

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	COMMUNITY NO.: 250182		
IDENTIFIER	Vox On II Residence Of Alewife	APPROXIMATE LATITUDE & LONGITUDE: 42.400, -71.151 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

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Enclosures reflect changes to flooding sources affected by this revision.

FLOODING SOURCES & REVISED REACHES

Alewife Brook (Little River) - From the Route 2 Crossing to approximately 2,000 feet upstream of the Route 2 Crossing

Wellington Brook – From the confluence of Alewife Brook to approximately 600 feet upstream of the confluence of Alewife Brook

SUMMARY OF REVISIONS

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LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 250177 **Name:** Town Of Arlington, Massachusetts

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NO REVISION TO THE EFFECTIVE FLOOD INSURANCE RATE MAPS	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 7, 2014 FLOODWAY DATA TABLE: 12

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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.

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.

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 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.

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

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:

Mr. Dean Savramis
Director, Mitigation Division
Federal Emergency Management Agency, Region I
99 High Street, Sixth Floor
Boston, MA 02110
(617) 832-4764

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited 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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Federal Insurance and Mitigation Administration

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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/Scripts/bfe_main.asp.

LOCAL NEWSPAPER Name: *Belmont Citizen Herald*
Dates: December 3, 2015 and December 10, 2015

Within 90 days of the second publication in the local newspaper, a citizen 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.

Luis Rodriguez, P.E., Chief
Engineering Management Branch
Federal Insurance and Mitigation Administration

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Aberjona River North Spur								
A	130[1]	33	148	0.9	64.3	64.3	64.3	0.0
B	2,260[1]	68*	324	0.6	68.1	68.1	68.1	0.0
C	2,860[1]	152	203	0.9	68.2	68.2	68.2	0.0
D	4,400[1]	124*	713	0.5	75.8	75.8	75.8	0.0
E	6,500[1]	18	15	2.1	78.3	78.3	78.3	0.0
F	7,880[1]	47*	68	1.1	81.5	81.5	81.5	0.0
G	9,410[1]	18*	27	0.5	83.0	83.0	83.0	0.0
Alewife Brook (Little River)								
A	100[2]	77*	427	1.1	6.7	3.9[4]	4.1	0.2
B	250[2]	101*	399	1.2	6.7	3.9[4]	4.1	0.2
C	2,960[2]	74	381	1.2	6.7	4.1[4]	4.3	0.2
D	3,970[2]	56*	372	1.5	6.7	4.5[4]	4.8	0.3
E	5,220[2]	84	327	1.2	6.8	4.7[4]	5.0	0.3
F	7,330[2]	500*	1,135	0.3	6.8	5.0[4]	5.4	0.4
G	7,770[2]	1,556*	2,294	0.2	6.8	5.2[4]	5.5	0.3
H	8,010[2]	1,675*	3,477	0.1	6.8	5.2[4]	5.5	0.3
I	11,625[2]	70	569	0.8	7.4	6.4[4]	7.2	0.8
Angelica Brook								
A	500[3]	16	23	6.9	190.1	190.1	190.1	0.0
B	1,360[3]	8	25	6.4	207.1	207.1	207.9	0.8
C	2,770[3]	100	525	0.3	223.4	223.4	223.4	0.0

REVISED DATA

REVISED TO REFLECT LOMR

[1] Feet above confluence with Aberjona River

[2] Feet above confluence with Mystic River

[3] Feet above confluence with Reservoir No. 3

EFFECTIVE: APRIL 8, 2016

[4] Elevation computed without consideration of backwater effects from Mystic River

* The measured top width on the FIRM may differ due to the effects of ineffective flow, the exclusion of small pocket areas due to map scale limitations, or is estimated due to HEC-RAS modeling limitations

TABLE 12

FEDERAL EMERGENCY MANAGEMENT AGENCY

MIDDLESEX COUNTY, MA
(ALL JURISDICTIONS)

FLOODWAY DATA

ABERJONA RIVER NORTH SPUR – ALEWIFE BROOK (LITTLE RIVER) – ANGELICA BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Wellington Brook								
A	590	31	77	1.9	6.8	5.3[2]	5.6	0.3
B	1,450	27*	64	2.6	6.9	6.5[2]	6.5	0.0
C	3,770	23*	90	1.1	7.7	7.7	7.7	0.0
D	5,730	10*	17	6.3	15.1	15.1	15.1	0.0
E	6,190	32	39	2.6	17.9	17.9	18.0	0.1
F	6,460	16	24	4.1	20.2	20.2	20.3	0.1

[1] Feet above confluence with Alewife Brook (Little River)
[2] Elevation computed without consideration of backwater effects from Alewife Brook (Little River)
* The measured top width on the FIRM may differ due to the effects of ineffective flow, the exclusion of small pocket areas due to map scale limitations, or is estimated due to HEC-RAS modeling limitations

REVISED DATA

REVISED TO REFLECT LOMR EFFECTIVE: APRIL 8, 2016

TABLE 12

FEDERAL EMERGENCY MANAGEMENT AGENCY

MIDDLESEX COUNTY, MA
(ALL JURISDICTIONS)

FLOODWAY DATA

WELLINGTON BROOK