



Federal Emergency Management Agency

Washington, D.C. 20472

APR 01 2014

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Jayme J. Stevenson
First Selectman, Town of Darien
Town Hall
2 Renshaw Road
Darien, CT 06820

IN REPLY REFER TO:

Case No.: 13-01-2599P
Community Name: Town of Darien, CT
Community No.: 090005
Effective Date of
This Revision: August 21, 2014

Dear Ms. Stevenson:

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 panel(s) 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) 832-4761, 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 Rate Map
Annotated Flood Insurance Study Report



cc: Ms. Diane Ifkovic

Mr. Jeremy Ginsberg

Ms. Nicolle Burnham



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 Darien Fairfield County Connecticut	NO PROJECT	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 090005		
IDENTIFIER	Stony Brook Watershed Evaluation	APPROXIMATE LATITUDE & LONGITUDE: 41.052, -73.480 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 09001C0528G DATE: July 8, 2013 TYPE: FIRM NO.: 09001C0536G DATE: July 8, 2013		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: July 8, 2013 PROFILES: 383P - 385P FLOODWAY DATA TABLE: 11 SUMMARY OF DISCHARGES TABLE: 5	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE & REVISED REACH

Stony Brook 1 - From the confluence with Goodwives river to approximately 500 feet upstream of Hanson Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Stony Brook 1	Zone AE	Zone AE	YES	YES
	Zone X (unshaded)	Zone X (unshaded)	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, 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)**

FLOODING SOURCE(S) & REVISED REACH(ES)

Stony Brook 1 - From the confluence with Goodwives river to approximately 500 feet upstream of Hanson Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Stony Brook 1	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone A	Zone AE	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, 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



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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.

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.

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 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>.

A handwritten signature in black ink, appearing to read "Luis Rodriguez".

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. Kevin Merli
Director, Mitigation Division
Federal Emergency Management Agency, Region I
99 High Street, Sixth Floor
Boston, MA 02110
(617) 832-4761

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 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>.

A handwritten signature in black ink, appearing to read "Luis Rodriguez".

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

REVISED TO REFLECT LOMR EFFECTIVE AUGUST 21, 2014

TABLE 5 - SUMMARY OF DISCHARGES - continued

<u>FLOODING SOURCE AND LOCATION</u>	<u>DRAINAGE AREA (sq. miles)</u>	<u>10- PERCENT ANNUAL CHANCE</u>	<u>PEAK DISCHARGES (cfs)</u>		
			<u>2- PERCENT ANNUAL CHANCE</u>	<u>1- PERCENT ANNUAL CHANCE</u>	<u>0.2- PERCENT ANNUAL CHANCE</u>
SPLIT FLOW FROM LAKE WINDWING At confluence with Unnamed Tributary to Saugatuck River	*	*	*	*	*
SPRINGDALE BROOK At confluence with the Noroton River	1.70	450	840	1,030	1,750
STILL RIVER At Brookfield- Bridgewater corporate limits	66.1	2,820	6,720	9,305	18,815
Upstream of Aldrich Road	65.8	2,790	6,640	9,195	18,590
Downstream of Limekiln Brook 1	65.6	2,755	6,560	9,085	18,370
Upstream of Limekiln Brook 1	63.6	2,670	6,360	8,810	17,810
Upstream of relocated Silvermine Road	62.0	2,605	6,200	8,585	17,360
Downstream of relocated U.S. Highway 7	59.6	2,505	5,960	8,255	16,690
Downstream of East Brook	58.3	2,450	5,830	8,075	16,375
At Brookfield-Danbury corporate limits	56.7	2,380	5,670	7,850	15,875
STONY BROOK 1 Above Gorham's Pond	4.1	1,462	2,248	2,741	3,507
Upstream of U.S. I-95	3.8	1,243	1,930	2,380	3,041
Downstream of West Avenue	2.5	713	1,115	1,350	1,745
Hanson Road	1.8	394	630	765	988
STONY BROOK 2 At confluence with Saugatuck River (Lower Reach)	3.29	495	1,150	1,700	3,665
At Blind Brook Road	2.59	410	950	1,405	3,020

REVISED DATA

*Data not available

FLOODING SOURCE		FLOODWAY				BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
STONY BROOK 1									
A	218	55	221	12.4	10.7 ²	6.8 ³	6.8	0.0	
B	632	171	457	6.0	10.7 ²	9.5 ³	9.5	0.0	
C	687	271	849	3.2	11.5	11.5	11.5	0.0	
D	849	93	325	8.7	11.7	11.7	11.7	0.0	
E	1,156	117	752	3.6	14.9	14.9	15.0	0.1	
F	1,346	50	314	8.7	15.4	15.4	15.5	0.1	
G	1,408	154	1,163	2.4	17.1	17.1	17.7	0.8	
H	1,432	199	1,617	1.7	17.1	17.1	17.8	0.7	
I	1,887	112	846	3.2	17.2	17.2	17.9	0.7	
J	2,060	276	2,296	1.2	17.7	17.7	18.6	0.9	
K	3,008	175	1,198	2.0	18.2	18.2	19.0	0.8	
L	3,482	100	511	4.7	18.2	18.2	19.0	0.8	
M	3,588	241	745	3.2	19.8	19.8	20.8	1.0	
N	3,952	202	1,166	2.0	21.1	21.1	21.7	0.6	
O	4,229	178	788	3.0	21.3	21.3	21.8	0.5	
P	4,688	46	685	3.5	39.1	39.1	40.0	0.9	
Q	5,048	89	252	5.3	62.5	62.5	62.5	0.0	
R	5,199	56	284	4.8	63.5	63.5	63.5	0.0	
S	5,299	62	233	5.8	63.6	63.6	63.7	0.1	
T	5,586	53	202	6.7	65.0	65.0	65.8	0.8	

¹ Feet above confluence with Goodwives River

² Elevation computed without considering of wave effects

³ Elevation computed without considering backwater effects from Long Island Sound

REVISED DATA



TABLE 11

FEDERAL EMERGENCY MANAGEMENT AGENCY
FAIRFIELD COUNTY, CT
 (ALL JURISDICTIONS)

FLOODWAY DATA

STONY BROOK 1

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
STONY BROOK 1 (continued)								
U	5,703	315	1,796	0.8	77.2	77.2	77.5	0.3
V	6,177	106	570	2.4	77.2	77.2	77.5	0.3
W	6,349	180	1,142	1.2	77.5	77.5	78.5	1.0
X	7,015	312	1,744	0.8	77.6	77.6	78.6	1.0
Y	7,650	80	223	6.1	77.6	77.6	78.3	0.7
Z	8,122	107	384	3.5	83.7	83.7	84.2	0.5
AA	8,292	66	241	5.6	86.4	86.4	87.2	0.8
AB	8,587	42	162	8.3	89.2	89.2	89.2	0.0
AC	8,613	60	251	5.4	90.4	90.4	91.1	0.7
AD	8,754	72	339	4.0	92.5	92.5	93.4	0.9
AE	9,605	53	310	4.4	94.2	94.2	94.9	0.7
AF	9,719	58	252	5.3	95.8	95.8	96.6	0.8
AG	10,145	103	381	3.5	97.9	97.9	98.7	0.8
AH	10,603	49	164	8.2	98.5	98.5	98.6	0.1
AI	10,727	367	1,267	1.1	101.3	101.3	101.4	0.1
AJ	11,454	186	410	3.3	101.4	101.4	101.5	0.1
AK	11,548	165	420	3.2	101.9	101.9	102.0	0.1
AL	12,171	77	299	4.5	103.7	103.7	104.0	0.3
AM	14,135	292	424	1.8	108.4	108.4	109.4	1.0

¹ Feet above confluence with Goodwives River

² Elevation computed without considering of wave effects

³ Elevation computed without considering backwater effects from Long Island Sound

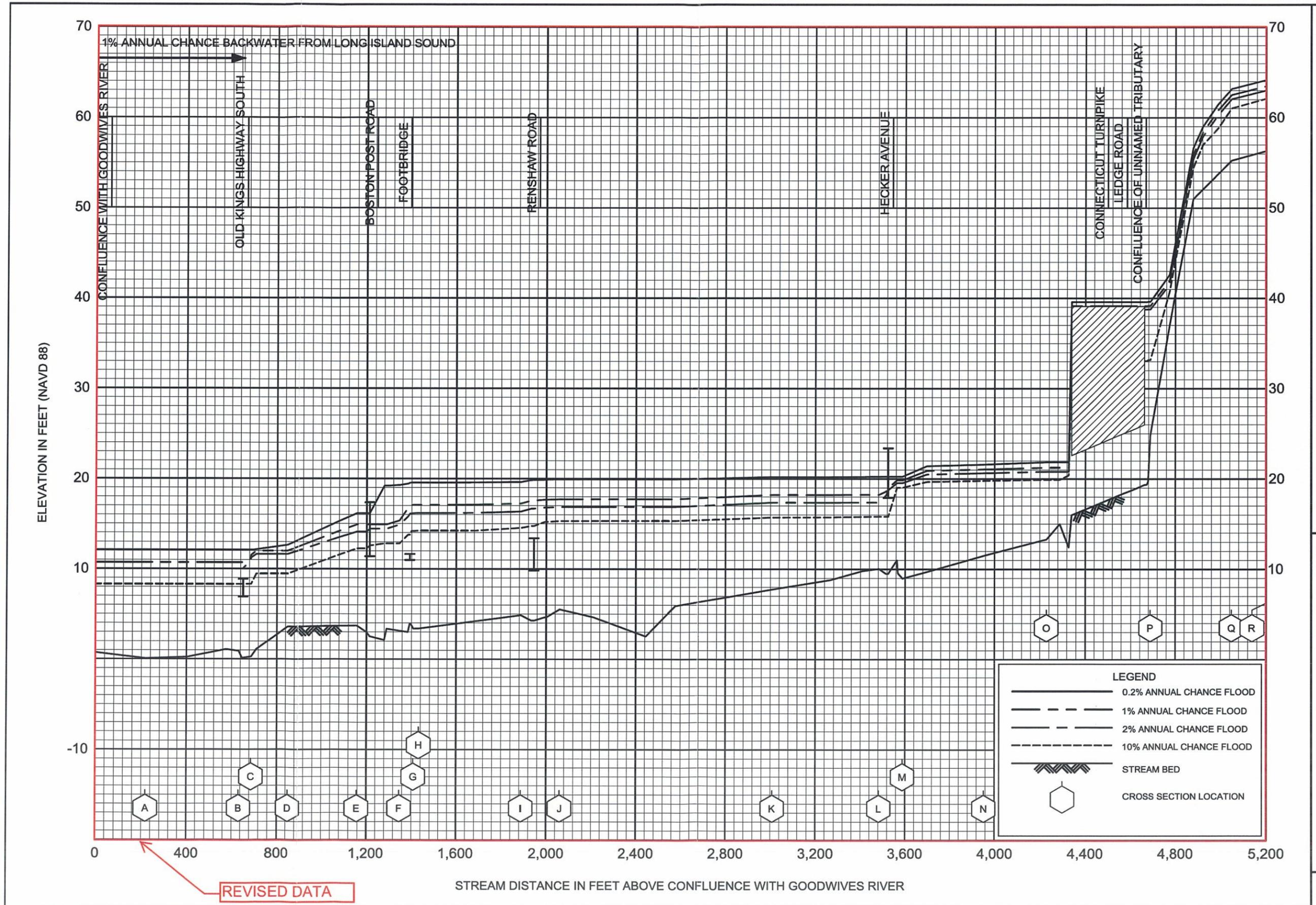
REVISED DATA

TABLE 11

FEDERAL EMERGENCY MANAGEMENT AGENCY
FAIRFIELD COUNTY, CT
 (ALL JURISDICTIONS)

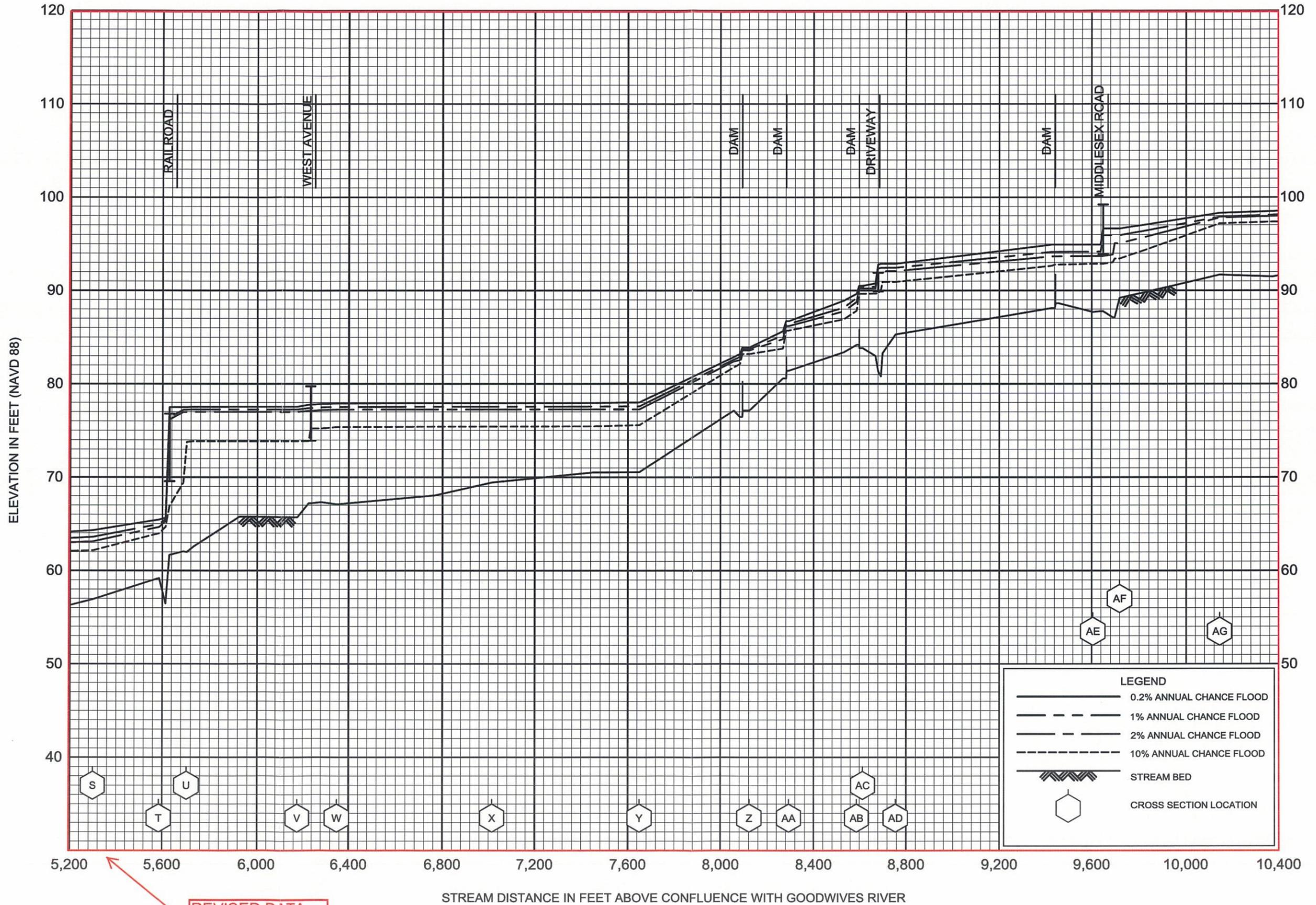
FLOODWAY DATA

STONY BROOK 1



FLOOD PROFILES
STONY BROOK 1

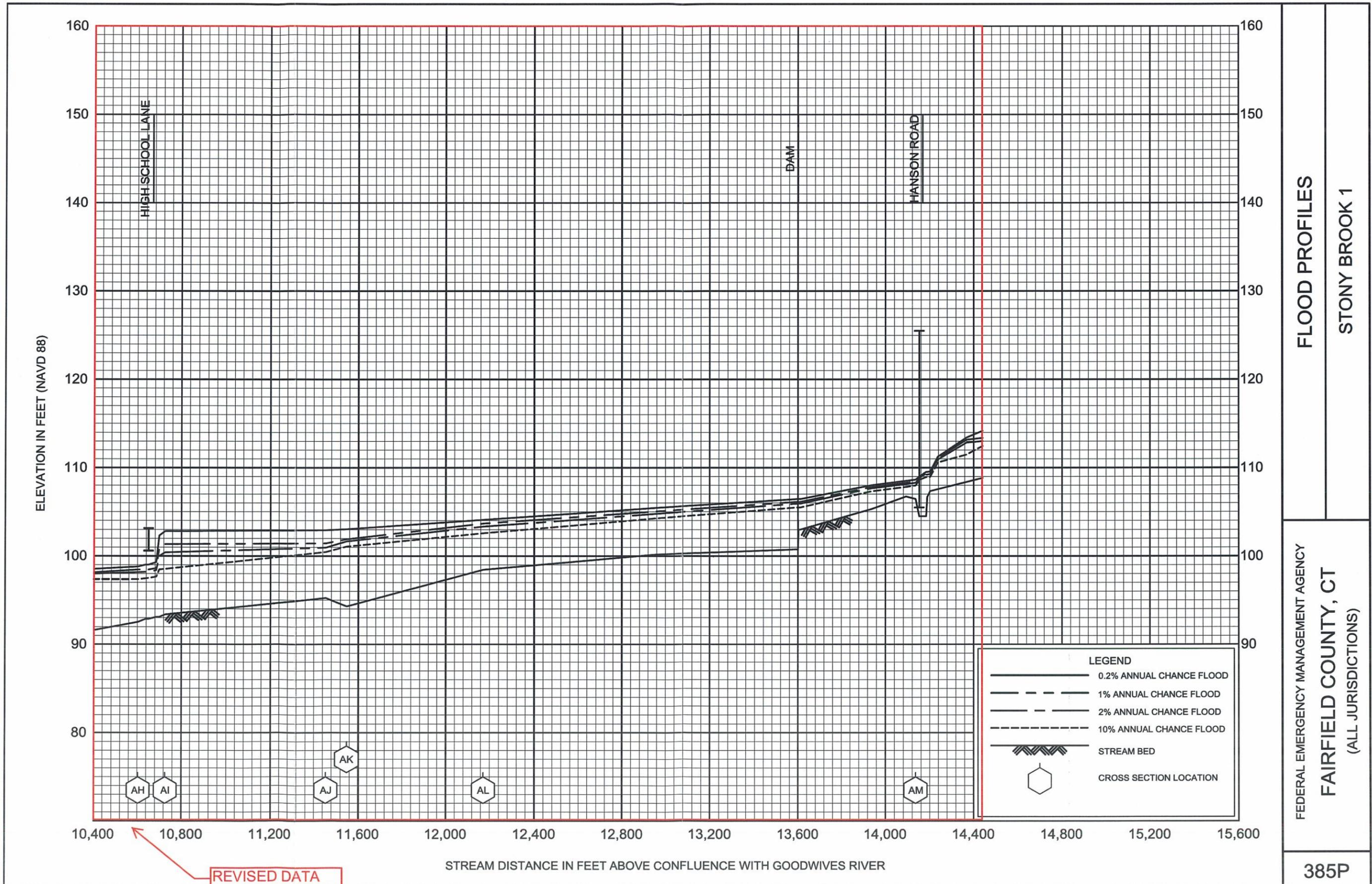
FEDERAL EMERGENCY MANAGEMENT AGENCY
FAIRFIELD COUNTY, CT
(ALL JURISDICTIONS)



REVISED DATA

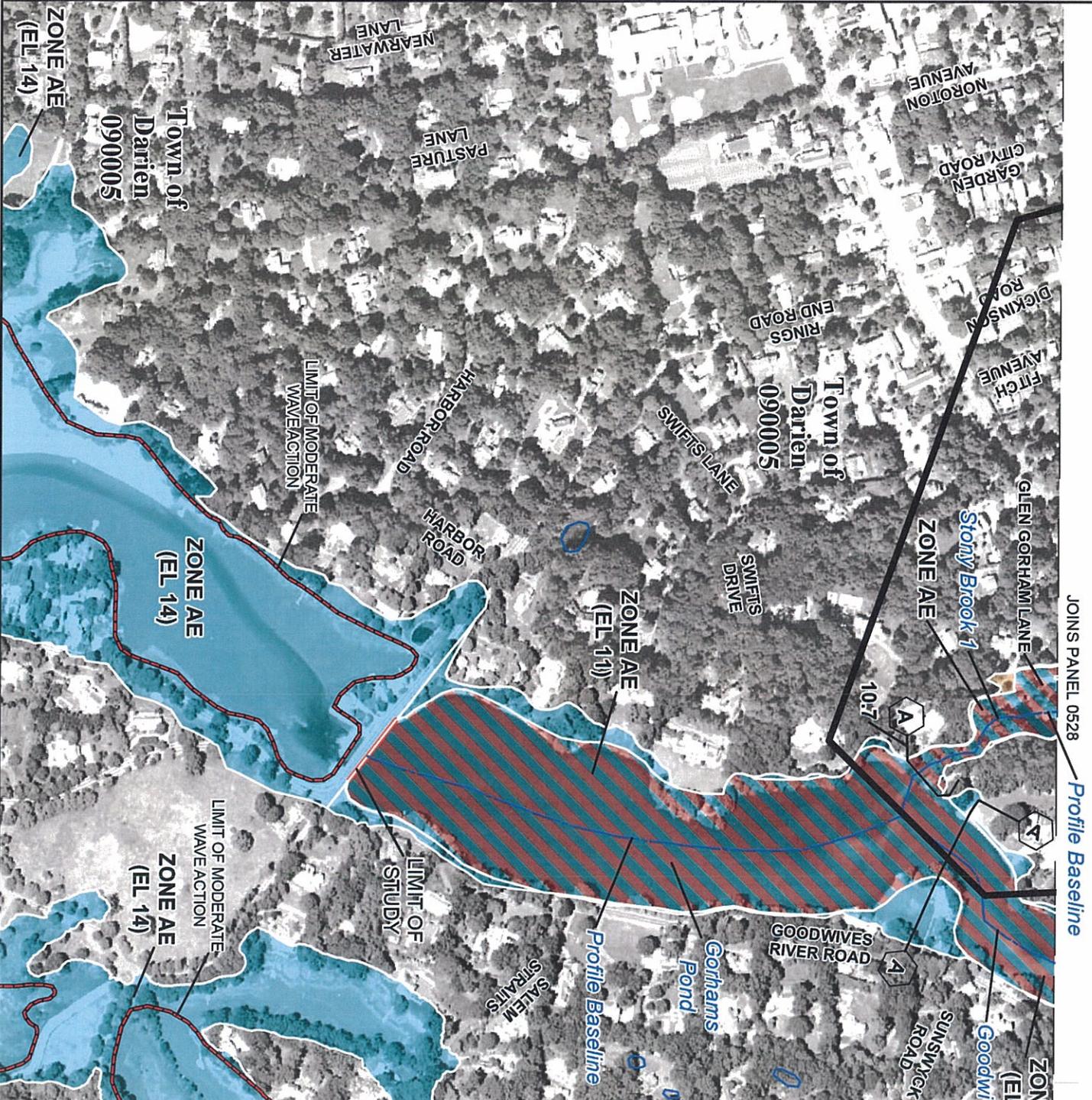
FLOOD PROFILES
STONY BROOK 1

FEDERAL EMERGENCY MANAGEMENT AGENCY
FAIRFIELD COUNTY, CT
(ALL JURISDICTIONS)



FLOOD PROFILES
STONY BROOK 1

FEDERAL EMERGENCY MANAGEMENT AGENCY
FAIRFIELD COUNTY, CT
(ALL JURISDICTIONS)



JOINS PANEL 0528 Profile Baseline

800000 FT

ZONE AE (EL 14)
 Zone AE (EL 11)
 Zone AE (EL 11)
 Sunswyck Road

SCALE

Map Projection:
 NAD 83/84 StatePlane Connecticut FIPS 9800 Feet;
 Western Hemisphere, Vertical Datum: NAVD 88

1 inch = 500 feet

0 270 540 1,080 1,600 Feet

0 70 140 280 Meters

OTHER AREAS OF FLOOD HAZARD

- Without Base Flood Elevation (BFE) Zone A, 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
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X

FEMA
 National Flood Insurance Program

FAIRFIELD COUNTY, CT.
 ALL JURISDICTIONS
536 of 626
 PANEL CONTAINS:
 COMMUNITY DARIEN, TOWN OF STAMFORD, CITY OF

NUMBER	PANEL	SUFFIX
090005	0536	G
090015	0536	G

REVISSED TO REFLECT LOMR EFFECTIVE AUGUST 21, 2014

VERSION NUMBER 1.0.0.0
 MAP NUMBER 09001C0536G
 EFFECTIVE DATE July 08, 2013