



Federal Emergency Management Agency

Washington, D.C. 20472

NOV 16 2006

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable James N. Robey
Howard County Executive
3430 Courthouse Drive
Ellicott City, MD 21043

IN REPLY REFER TO:

Case No.: 05-03-A496P
Community Name: Howard County, MD
Community No.: 240044
Effective Date of: **NOV 16 2006**
This Revision:

Dear Mr. Robey:

The Flood Insurance Study report and Flood Insurance Rate Map for your community has 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, Federal Insurance and Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Philadelphia, Pennsylvania, at (215) 931-5512, or the FEMA Map Assistance Center, 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/nfip>.

Sincerely,

Kevin C. Long, CFM, Project Engineer
Engineering Management Section
Mitigation Division

For: William R. Blanton Jr., CFM, Chief
Engineering Management Section
Mitigation Division

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc:
Gutschick, Little and Weber, P.A.



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Howard County Maryland (Unincorporated Areas)	CULVERT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 240044		
IDENTIFIER	Maple Lawn Farms	APPROXIMATE LATITUDE & LONGITUDE: 39.156, -76.905 SOURCE: USGS QUADRANGLE DATUM: NAD 27	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 240044 0038 B DATE: December 4, 1986		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: December 4, 1986 PROFILES: 89P, 90P, and 91P TABLE: Table 1	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Hammond Branch - from just downstream of US Highway 29 to approximately 6,250 feet upstream of Old Columbia Road

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Hammond Branch	Zone A5 BFEs*	Zone A5 BFEs	YES YES	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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Kevin C. Long

Kevin C. Long, CFM, Project Engineer
Engineering Management Section
Mitigation Division

109770 10.3.1.0503A496 102-I-A-C



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.

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 Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Handwritten signature of Kevin C. Long in cursive.

Kevin C. Long, CFM, Project Engineer
Engineering Management Section
Mitigation Division



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. Eugene K. Gruber
Director, Federal Insurance and Mitigation Division
Federal Emergency Management Agency, Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404
(215) 931-5512

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 Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Handwritten signature of Kevin C. Long in cursive.

Kevin C. Long, CFM, Project Engineer
Engineering Management Section
Mitigation Division

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR HOWARD COUNTY, MARYLAND, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On December 4, 1986, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in Howard County, Maryland, through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Division has determined that modification of the elevations of the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) for certain locations in this community is appropriate. The modified Base Flood Elevations (BFEs) revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

A hydraulic analysis performed to incorporate the construction of a 100-foot culvert across Hammond Branch, approximately 3,000 feet upstream of Old Columbia Road, has resulted in increases and decreases in SFHA width, and increases and decreases in BFEs, from just upstream of US Highway 29 to approximately 6,250 feet upstream of Old Columbia Road.. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source(s) cited above.

	Existing BFE (feet)*	Modified BFE (feet)*
Just upstream of Old Columbia Road	361	363
Approximately 3,500 feet upstream of Old Columbia Road	374	373

*National Geodetic Vertical Datum, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. To participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Division reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Mitigation Division's determination to modify the BFEs may itself be changed.

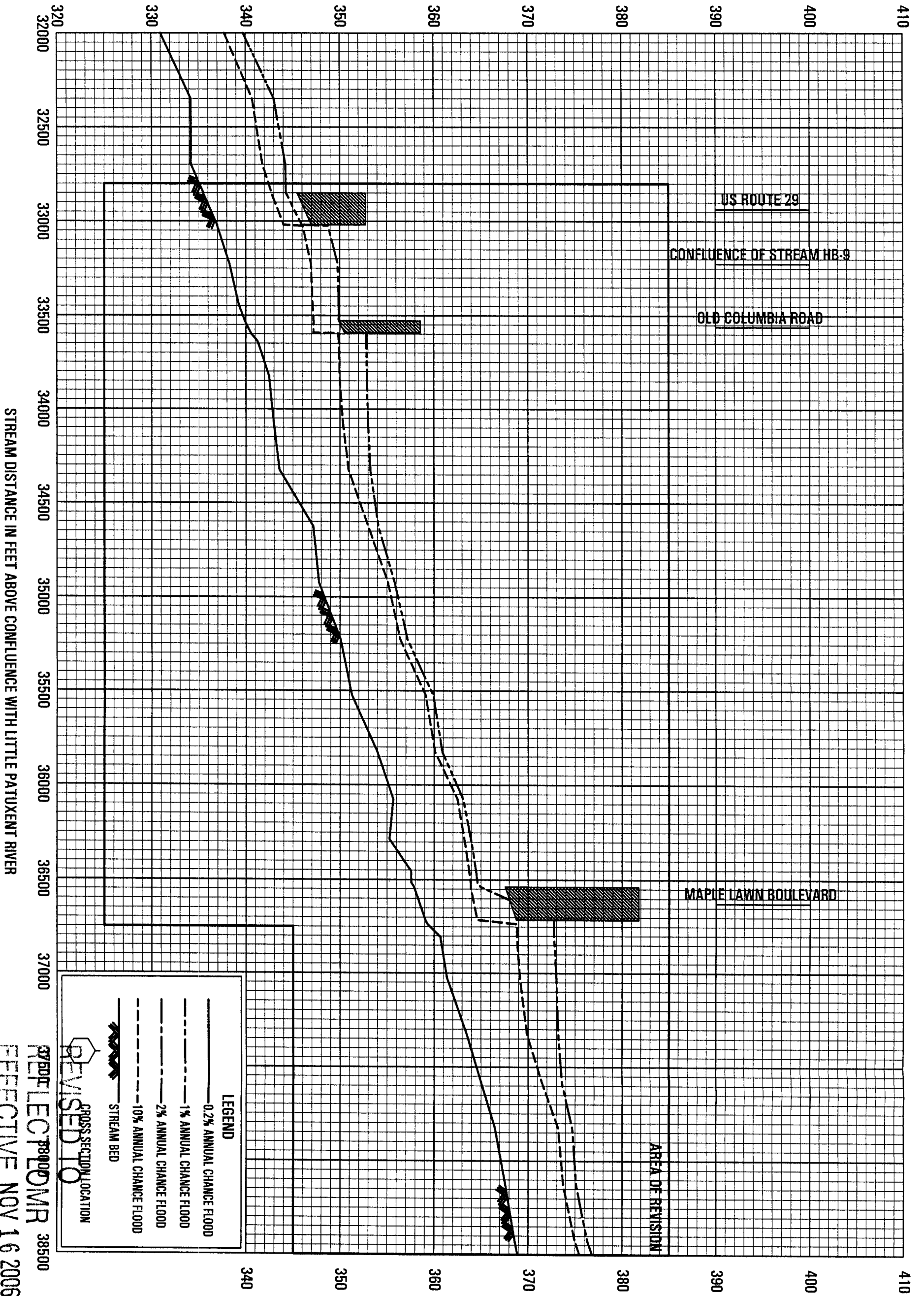
Any person having knowledge or wishing to comment on these changes should immediately notify:

The Honorable James N. Robey
Howard County Executive
3430 Courthouse Drive
Elicott City, MD 21043

No Duplicate Effective Run - Effective Model
 Unavailable from Library

River Sta	W.S. Elev (ft)	River Sta	W.S. Elev (ft)	D BFE
6200	381.53	6200	381.53	0
6000	380.11	6000	380.11	0
5700	378.56	5700	378.56	0
5400	376.51	5400	376.53	-0.02
5100	375.2	5100	375.33	-0.13
4800	374.74	4800	374.93	-0.19
4570	372.97	4570	373.84	-0.87
4300	371.21	4300	373.43	-2.22
4000	369.79	4000	373.22	-3.43
3720	367.23	3780	372.92	-5.69
3670	366.9	3710	372.98	-6.08
		3600		0
3535	366.18	3490	364.84	1.34
3400	364.87	3430	364.71	0.16
3260	364.22	3260	364.16	0.06
3050	363.53	3050	363.33	0.2
2800	361.07	2800	361.11	-0.04
2500	360.17	2500	360.17	0
2200	357.43	2200	357.43	0
1900	356.07	1900	356.07	0
1600	354.36	1600	354.34	0.02
1300	353.51	1300	353.48	0.03
1050	353.27	1050	353.24	0.03
800	353.14	800	353.11	0.03
615	353.11	615	353.07	0.04
570	352.88	570	353.06	-0.18
503		503		0
500	350.02	500	350.05	-0.03
420	350.09	420	350.12	-0.03
200	350.01	200	350.02	-0.01
5	349	5	349	0
4.5		4.5		0
4	344.51	4	344.52	-0.01
2	344.45	2	344.45	0

ELEVATION IN FEET (NGVD 29)

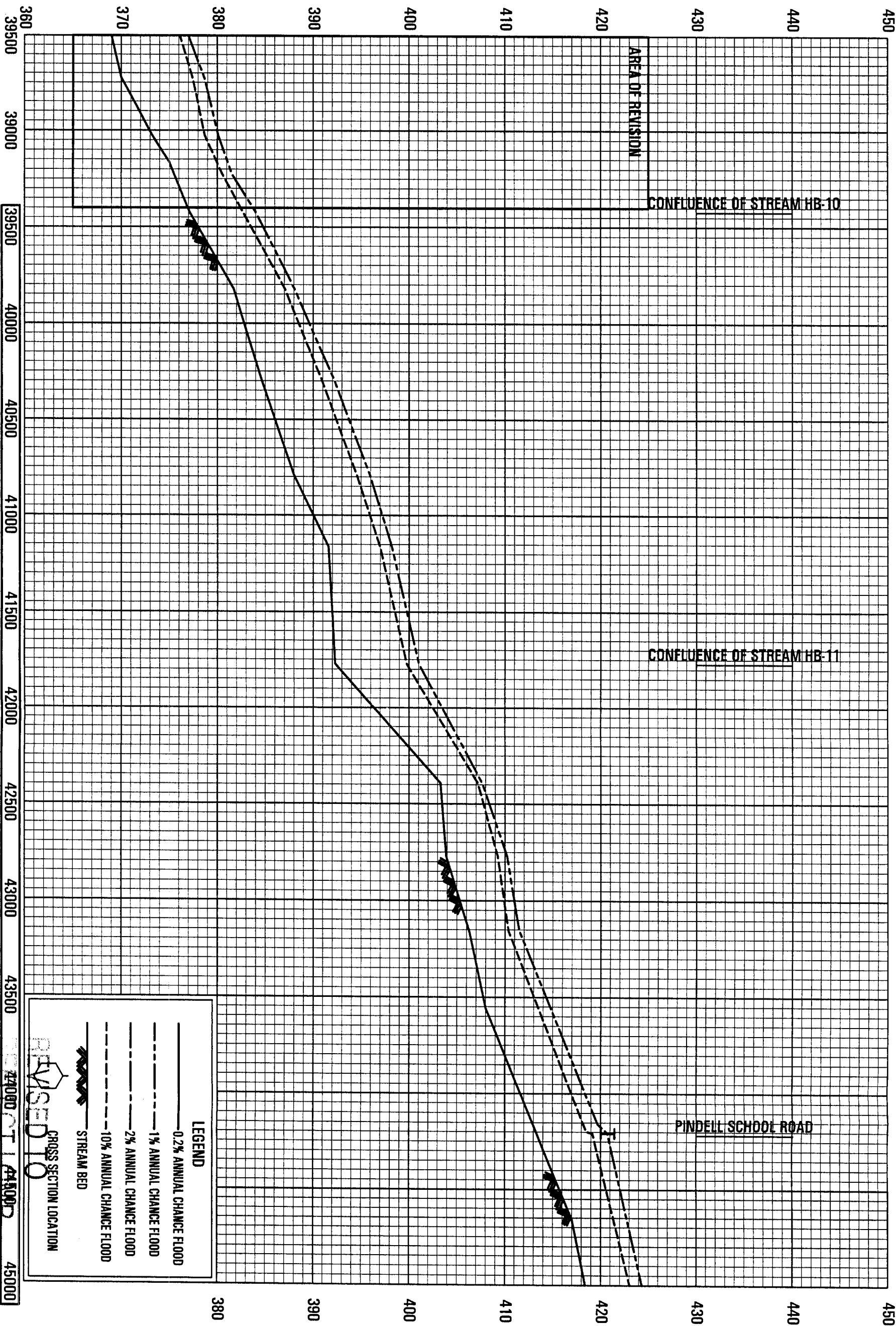


REVISED TO
EFFECTIVE NOV 16 2006

FEDERAL EMERGENCY MANAGEMENT AGENCY
HOWARD COUNTY, MD

FLOOD PROFILES
HAMMOND BRANCH

ELEVATION IN FEET (NGVD 29)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH LITTLE PATUXENT RIVER

39500 39500 39500 40000 40000 40000 40500 40500 40500 41000 41000 41000 41500 41500 41500 42000 42000 42000 42500 42500 42500 43000 43000 43000 43500 43500 43500 44000 44000 44000 44500 44500 45000

360 360 370 370 380 380 390 390 400 400 410 410 420 420 430 430 440 440 450 450

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- - - 1% ANNUAL CHANCE FLOOD
- - - 2% ANNUAL CHANCE FLOOD
- - - 10% ANNUAL CHANCE FLOOD
- STREAM BED
- ▲ CROSS SECTION LOCATION

REVISED 10/16/06

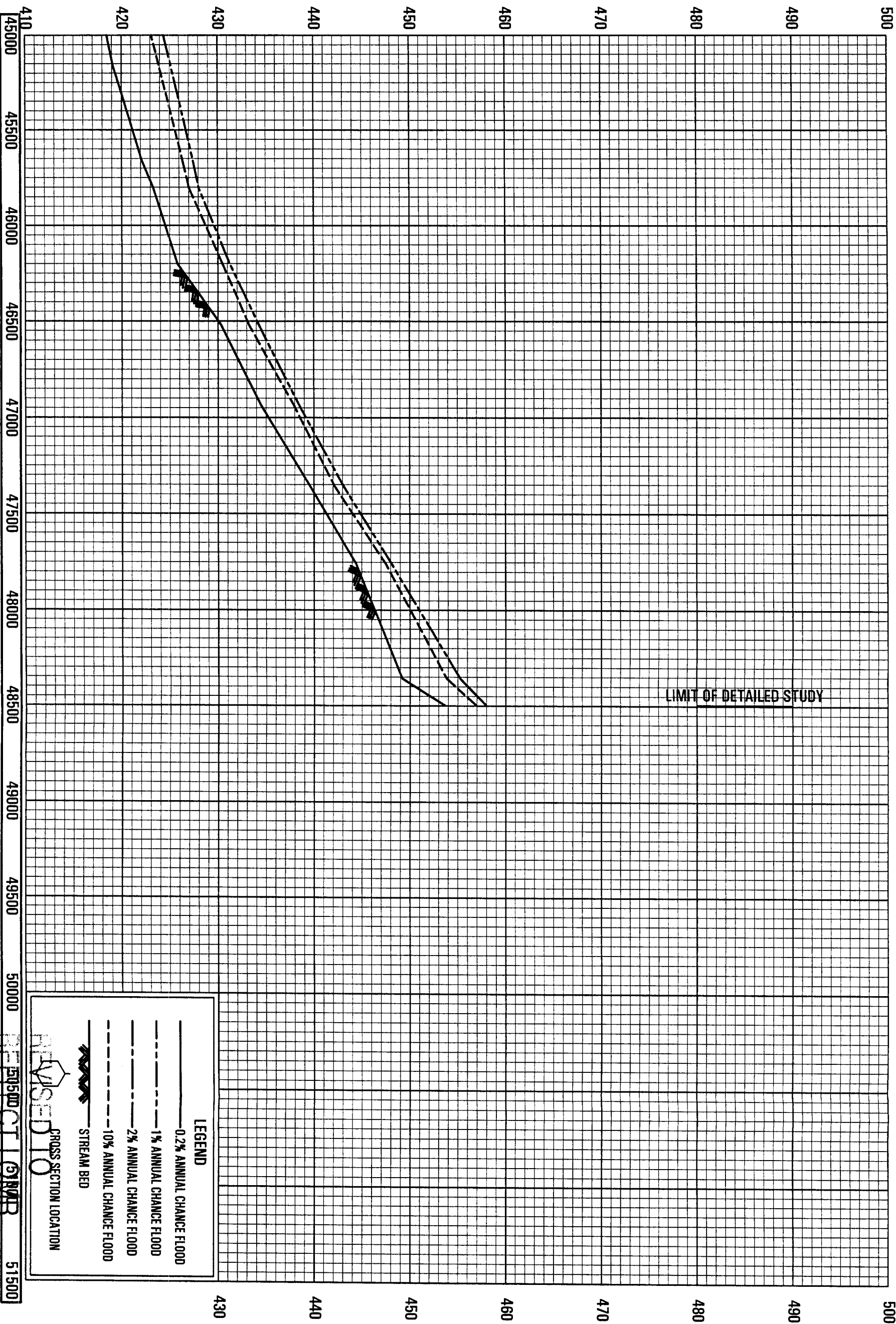
FEDERAL EMERGENCY MANAGEMENT AGENCY
HOWARD COUNTY, MD

FLOOD PROFILES
HAMMOND BRANCH

90P

NOV 16 2006

ELEVATION IN FEET (NGVD 29)



AREA OF REVISION

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH LITTLE PATUXENT RIVER

LIMIT OF DETAILED STUDY

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- · - · 1% ANNUAL CHANCE FLOOD
- · - · 2% ANNUAL CHANCE FLOOD
- · - · 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

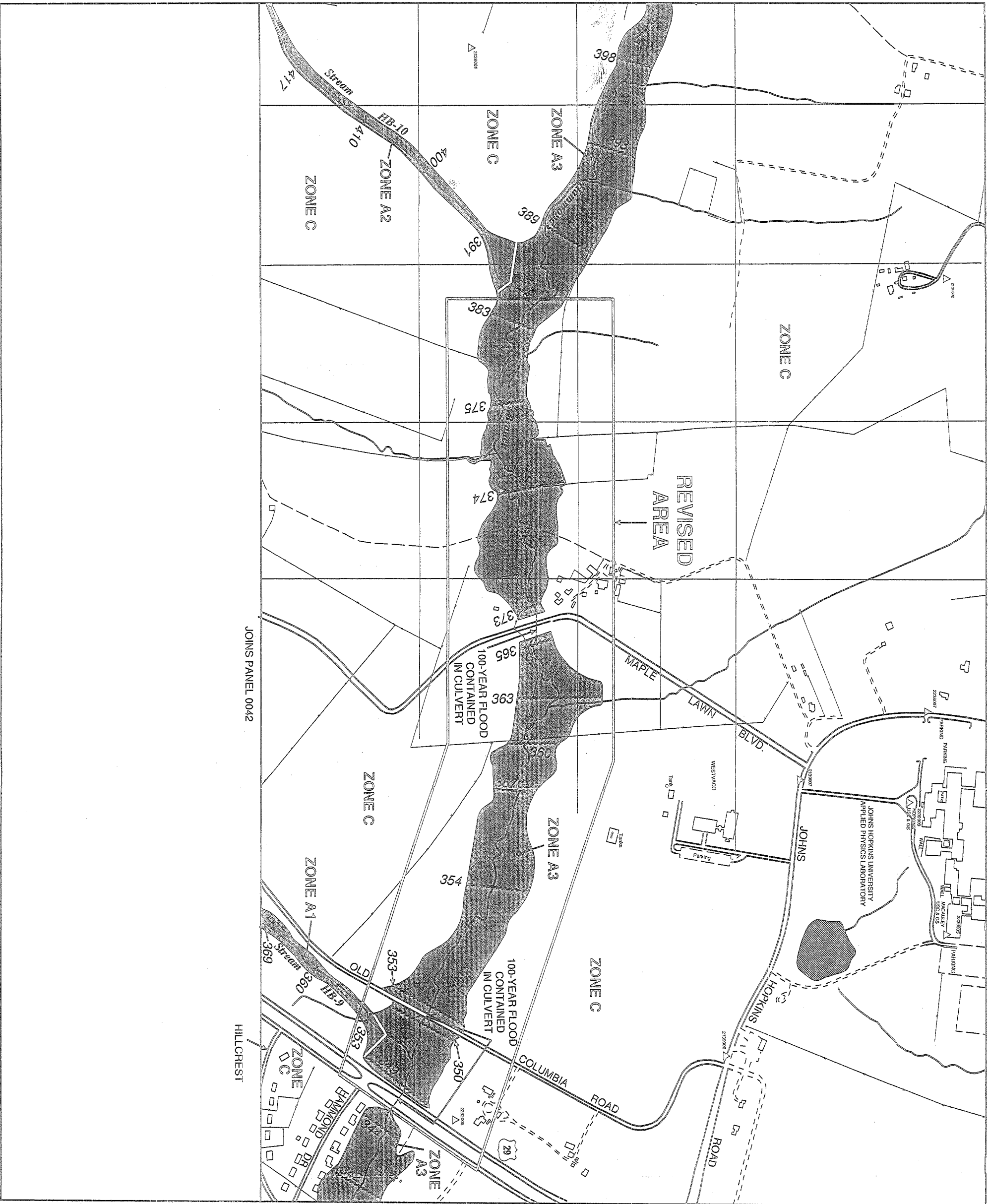
REVISED
CROSS SECTION LOCATION

EFFECTIVE NOV 16 2006

FEDERAL EMERGENCY MANAGEMENT AGENCY
HOWARD COUNTY, MD



FLOOD PROFILES
HAMMOND BRANCH

91P

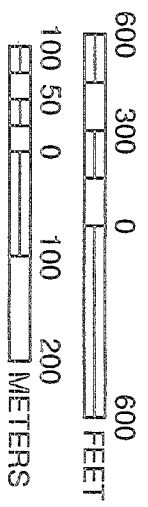


JOINS PANEL 0042

Legend

-  1% annual chance (100-Year) Floodplain
-  0.2% annual chance (500-Year) Floodplain

All Elevations Referenced in NGVD 29



MAP SCALE 1" = 600'

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

HOWARD COUNTY,
 MARYLAND

PANEL 38 OF 45
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY PANEL NUMBER
 240044 0038 B

MAP REVISED:
 DECEMBER 4, 1986

FEDERAL EMERGENCY MANAGEMENT AGENCY