



Federal Emergency Management Agency

Region III

One Independence Mall, Sixth Floor

615 Chestnut Street

Philadelphia, PA 19106-4404

NOV 28 2001

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James N. Robey
Howard County Executive
3430 Courthouse Drive
Ellicott City, Maryland 21043

IN REPLY REFER TO:

Case Number: 01-03-135P
(follow-up to CLOMR:) (00-03-053R)
Community Name: Howard County,
Maryland
(Unincorporated Areas)
Community Number: 240044
Map Panel Numbers: 240044 0035 and
240044 0040

Effective Date of

This Revision: NOV 28 2001

102-I-A

Dear Mr. Robey:

The Flood Insurance Study (FIS), Flood Insurance Rate Map (FIRM), and Flood Boundary and Floodway Map (FBFM) for the unincorporated areas of Howard County have been revised by this Letter of Map Revision (LOMR) to reflect the construction of John McAdam Drive and a bottomless culvert along Dorsey Run. The subject area is located from a point just upstream of Interstate 95 (I-95) to a point just downstream of Maryland Route 175. This revision was initiated by [REDACTED], P.E., of Wallace, Montgomery & Associates, in a letter dated April 5, 2001. We issued a conditional LOMR for this project on August 25, 2000.

We received the following data, prepared by Wallace, Montgomery & Associates, in support of this revision:

- certified as-built plans, dated June 1999, titled Road Construction Plans Columbia Gateway John McAdam Drive, at a scale of 1"=50', showing the as-built construction of John McAdam Drive and the bottomless culvert;
- an undated topographic map, titled Dorsey Run Study Cross Section Location And Floodplain Map, at a scale of 1"=200', with a contour interval of 2 feet, showing both the effective and revised 1% annual chance (100-year) floodplains for Dorsey Run;
- a letter, dated March 27, 2001, from Mr. Howard Saltzman, of the Howard County Department of Public Works Bureau of Environmental Services, acknowledging and accepting the maintenance responsibility of the constructed road and culvert along Dorsey Run;
- a letter, dated March 27, 2001, from Mr. Saltzman, notifying the affected property owners modifications to the 1% annual chance floodplain and floodway as a result of this revision;

- a letter, dated February 15, 2001, from [REDACTED], P.E., of the Howard Research and Development Corporation, accepting the modifications to the 1% annual chance floodplain and increases in the 1% annual chance water-surface elevations along Dorsey Run as a result of this revision;
- a letter, dated February 15, 2001, from [REDACTED] accepting the modifications to the floodway along Dorsey Run as a result of this revision;
- a letter, dated February 21, 2001, from [REDACTED] of Columbia Association, acknowledging and accepting the modifications to the 1% annual chance floodplain along Dorsey Run as a result of this revision; and
- completed application/certification forms, including community concurrence with the revision.

We received all data necessary to process this revision by August 10, 2001.

Based on our review of the submitted data, we are issuing this LOMR to reflect increases and decreases in 1% annual chance water-surface elevations and widening and narrowing of the 1% annual chance floodplain and floodway along Dorsey Run from a point just upstream of I-95 to a point just downstream of Maryland Route 175. This LOMR revises the unincorporated areas of Howard County FIS report, Table 2 (Floodway Data) and Flood Profiles 79P and 80P, dated December 4, 1986; and FIRM number 240044, panels 0035 B and 0040 B, and FBFM number 240044, panels 0035 and 0040, all dated December 4, 1986. All revisions are shown on the enclosed annotated portions of the FIS and digitally reproduced portions of the FIRM and FBFM.

We have enclosed a copy of the public notification of the revised Base (1% annual chance) Flood Elevations (BFEs), which will be published in The Howard County Times on December 13, 2001, and December 20, 2001. In addition, we will publish a notice of changes in the Federal Register. However, we will not print and distribute this LOMR to users, such as insurance agents or lenders. Your county will serve as a repository for the new data. Therefore, we encourage you to supplement the notification to appear in The Howard County Times by preparing a news release for publication in your county newspaper that describes the revision and explains how your county will provide data and help interpret the National Flood Insurance Program (NFIP) maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

Within 90 days of the second publication in The Howard County Times, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. This revision is effective as of the date of this letter. However, until the 90-day period elapses, the revised BFEs presented in this LOMR may be changed.

We based this determination on the 1% annual chance discharges published in the December 4, 1986, FIS for Howard County. We have not considered changes in watershed conditions that may have occurred since the publication of the Howard County FIS and that may have increased

discharges. Additionally, future development of projects upstream of the subject area could change watershed conditions and increase discharges. A comprehensive restudy of your county's flood hazards would consider any changes to flood hazard conditions subsequent to the publication of the FIS for Howard County, and the flood hazards shown in the FIS and FIRM could be increased.

Your county must approve all proposed floodplain development and ensure that permits required by Federal and/or State law have been obtained. State or county officials, based on knowledge of local conditions and in the interest of safety, may set standards for construction that are higher than the minimum NFIP criteria or may limit development in floodplain areas. If the State of Maryland or Howard County has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

Because of funding constraints, we must limit the number of republications. Consequently, we will not republish the FIS, FIRM, and FBFM for Howard County to reflect this determination. However, we will incorporate this determination when we next republish the FIS and FIRM panels 0035 and 0040.

We have enclosed an updated version of a document titled "List of Current Flood Insurance Study Data," which now includes this letter, to help your county maintain all information for floodplain management and flood insurance. If any of the items in that document are not filed in your county's map repository, please contact the Federal Emergency Management Agency (FEMA) Map Assistance Center at the number listed below for information on how to obtain those items.

We provide the floodway designation to your county 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 county and adopted by appropriate county 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 county's existing floodplain management ordinances; therefore, responsibility for maintenance of the modified culvert rests with your county. We may request that your county submit a description and schedule of the culvert maintenance activities.

Use the map panels listed above and revised by this letter for flood insurance policies and renewals issued for property located on these panels.

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 ordinances that meet or exceed minimum NFIP criteria. These criteria, including adoption of the FIS, FIRM, and FBFM, and revisions made by this

4

LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State or local requirements to which the regulations apply.

If you have any questions, please do not hesitate to contact [REDACTED] of my office, at (215) 931-5524, or the FEMA Map Assistance Center toll free at 1-877-FEMA MAP (1-877-336-2627).

Sincerely,



Robert J. Gunter
Director, Federal Insurance and
Mitigation Administration

Enclosures

cc:

[REDACTED]
State NFIP Coordinator

LIST OF CURRENT FLOOD INSURANCE STUDY DATA

This list is provided to document all information currently effective for your community for insurance and floodplain management.

Date: NOV 28 2001

This list replaces
previous list dated: October 14, 1999

Community: Howard County, Maryland (Unincorporated Areas)

Community Number: 240044

Page Number: 1 of 3

CURRENT EFFECTIVE FLOOD INSURANCE STUDY DATE: December 4, 1986

FLOOD INSURANCE RATE MAP

Index Date: April 2, 1997

Panel Numbers

0001 B, 0002 B, 0003 B, 0004 B, 0005 B, 0006 B, 0008 B,
0010 B, 0011 B, 0012 B, 0013 B, 0014 B, 0015 B, 0016 B,
0017 B, 0018 B, 0019 B, 0020 B, 0021 B, 0022 B, 0023 B,
0024 B, 0025 B, 0026 B, 0029 B, 0030 B, 0031 B, 0032 B,
0033 B, 0034 B, 0035 B, 0036 B, 0037 B, 0038 B, 0039 B,
0040 B, 0041 B, 0042 B, 0043 B, 0044 B, and 0045 B

Effective Date

December 4, 1986

0027 C and 0028 C

April 2, 1997

FLOOD BOUNDARY AND FLOODWAY MAP

Index Date: December 4, 1986

Panel Numbers

0035, 0040, and 0044

Effective Date

December 4, 1986

LETTERS OF MAP REVISION

Panel Numbers

0016 B

Effective Date

October 14, 1999

LETTERS OF MAP REVISION (Continued)

<u>Panel Numbers</u>	
0017 B	October 14, 1999
0022 B	October 14, 1999 January 12, 1999
0023 B	October 14, 1999 January 12, 1999
0027 C	October 14, 1999 November 5, 1998
0028 C	October 14, 1999 March 4, 1999 January 12, 1999
0029 B	October 14, 1999 January 12, 1999
0033 B	October 14, 1999 January 12, 1999
0034 B	October 14, 1999 January 12, 1999
0035 B	NOV 28 2001
0039 B	October 14, 1999
0040 B	NOV 28 2001

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL

<u>Panel Numbers</u>	<u>Effective Date</u>
0005 B	September 1, 1995
0010 B	September 1, 1995

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL (Continued)

<u>Panel Numbers</u>	<u>Effective Date</u>
0023 B	April 27, 2001 January 21, 2000 July 8, 1998 July 2, 1998 January 21, 1998 August 6, 1990
0027 C	October 28, 1998 May 7, 1998
0028 C	August 15, 2001 April 27, 2001 January 14, 1998
0034 B	August 31, 1999
0035 B	June 11, 1996
0043 B	November 30, 2000
*	January 6, 1993

BEST AVAILABLE DATA LETTERS

None

REVALIDATION LETTERS

<u>Case Number</u>	<u>Effective Date</u>
97-03-872V	April 3, 1997

* Data Not Available

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NGVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Dorsey Run								
A	2.69	50	230	18.8	160.9	160.9	160.9	0.0
B	2.83	280	2,780	1.5	168.1	168.1	168.1	0.0
C	2.95	210	1,750	1.8	168.1	168.1	168.2	0.1
D	3.18	279	1,210	3.8	168.1	168.1	168.6	0.5
E	3.21	385	2,190	2.8	169.4	169.4	169.9	0.5
F	3.46	181	520	8.2	170.1	170.1	170.3	0.2
G	3.84	227	980	4.2	177.0	177.0	177.9	0.9
H	4.28	213	580	7.8	185.2	185.2	185.6	0.4
I	4.76	239	990	3.7	194.8	194.8	195.4	0.6
J	4.78	107	660	3.0	197.2	197.2	197.8	0.6
K	5.16	35	150	11.7	208.9	208.9	208.7	-0.2
L	5.41	40	160	10.9	221.3	221.3	221.4	0.1
M	5.43	30	140	11.8	225.0	225.0	225.1	0.1
N	5.60	*	110	15.1	233.0	233.0	233.0	0.0
O	6.03	135	479	3.6	260.5	260.5	260.6	0.1
P	6.28	36	216	7.9	266.7	266.7	267.2	0.5
Q	6.53	38	171	9.8	275.0	275.0	275.0	0.0
R	6.61	*	150	11.3	278.9	278.9	279.4	0.5
S	6.65	*	760	2.8	282.4	282.4	282.5	0.1
T	6.99	57	170	11.3	284.9	284.9	284.7	-0.2
U	7.00	67	350	6.7	286.7	286.7	286.5	-0.2
V	7.13	122	270	7.7	297.8	297.8	298.5	0.7
W	7.36	92	420	5.0	310.2	310.2	310.8	0.6
AREA OF REVISION								

¹Miles above mouth

*Floodway coincident with channel banks

REVISED TO REFLECT
LOMR EFFECTIVE:

NOV 28 2001

FEDERAL EMERGENCY MANAGEMENT AGENCY

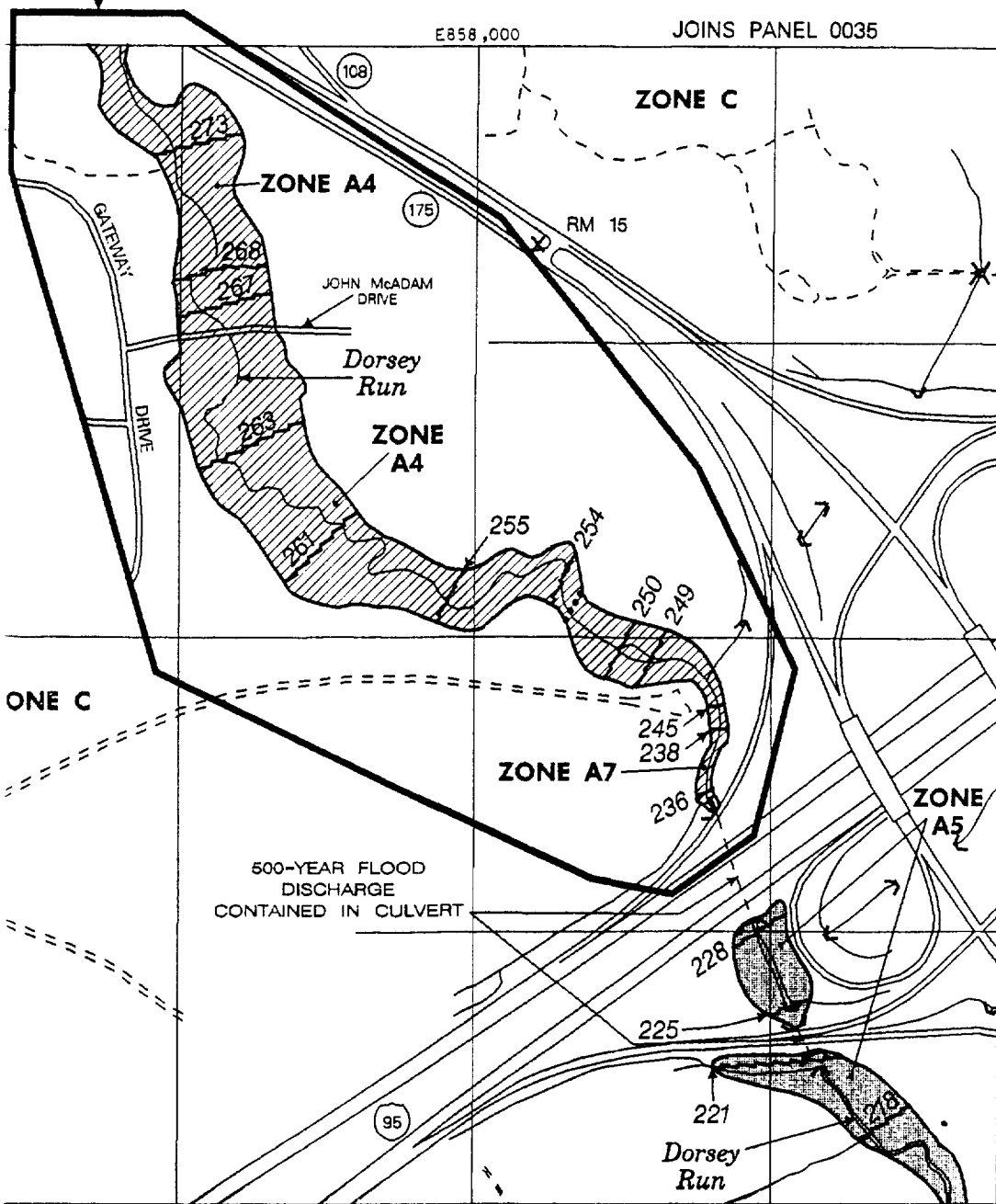
HOWARD COUNTY, MD
(UNINCORPORATED AREAS)

FLOODWAY DATA



DORSEY RUN

TABLE 2

AREA OF REVISION

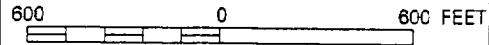


MAP LEGEND

-  REVISED 100-YEAR FLOODPLAIN
-  BOUNDARY DIVIDING SPECIAL FLOOD HAZARD ZONES



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

HOWARD COUNTY,
MARYLAND

PANEL 40 OF 45

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY - PANEL NUMBER
240044 0040 B

MAP REVISED:
DECEMBER 4, 1986

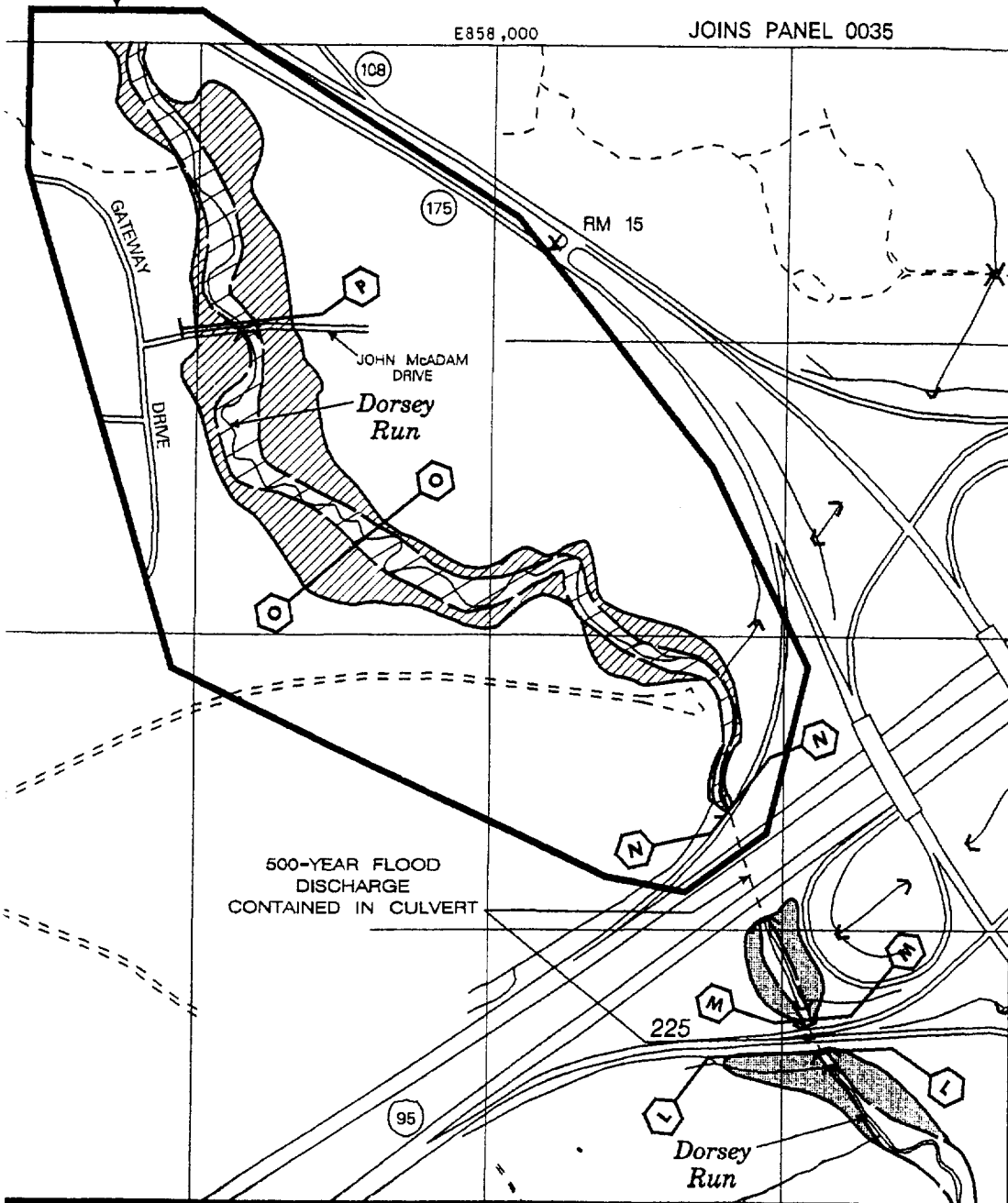
REVISED TO REFLECT
LOMR EFFECTIVE:

NOV 28 2001





Federal Emergency Management Agency

AREA OF REVISION

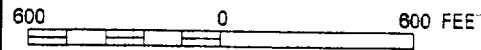


MAP LEGEND

-  REVISED FLOODWAY
-  REVISED 100-YEAR FLOODPLAIN



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FLOODWAY
FLOOD BOUNDARY AND
FLOODWAY MAP**

HOWARD COUNTY,
MARYLAND

PANEL 40 OF 45

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY - PANEL NUMBER
240044 0040

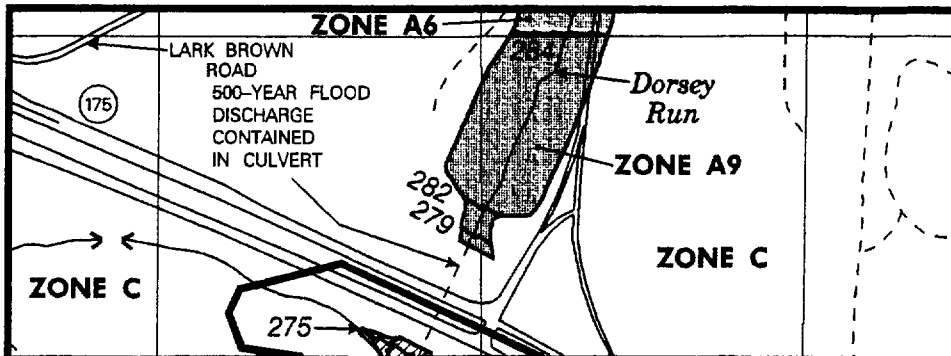
MAP REVISED:
DECEMBER 4, 1986

REVISED TO REFLECT
LOMR EFFECTIVE:

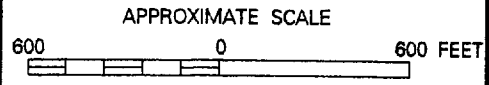
NOV 28 2001



Federal Emergency Management Agency



MAP LEGEND
 [Hatched Box] REVISED 100-YEAR FLOODPLAIN



ZONE A4 JOINS PANEL 0040

AREA OF REVISION

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

HOWARD COUNTY,
 MARYLAND

PANEL 35 OF 45
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

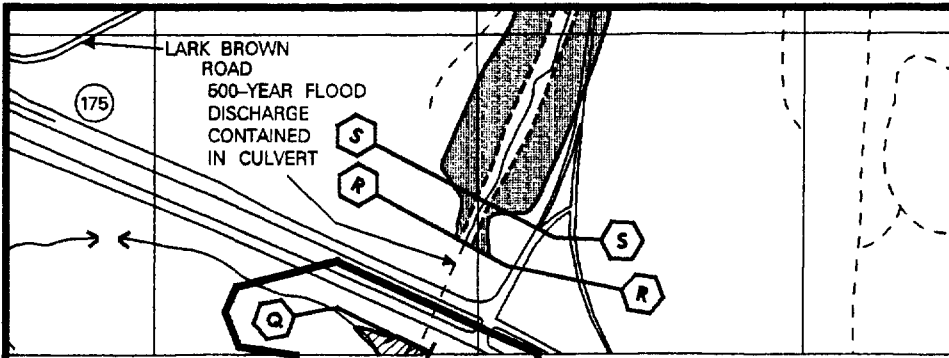
COMMUNITY - PANEL NUMBER
 240044 0035 B

MAP REVISED:
 DECEMBER 4, 1986

**REVISED TO REFLECT
 LOMR EFFECTIVE:**
 NOV 28 2001





Federal Emergency Management Agency



JOINS PANEL 0040

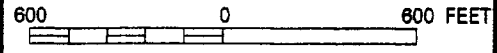
AREA OF REVISION

MAP LEGEND

-  REVISED FLOODWAY
-  REVISED 100-YEAR FLOODPLAIN



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

**FLOODWAY
FLOOD BOUNDARY AND
FLOODWAY MAP**

HOWARD COUNTY,
MARYLAND

PANEL 35 OF 45
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY - PANEL NUMBER
240044 0035

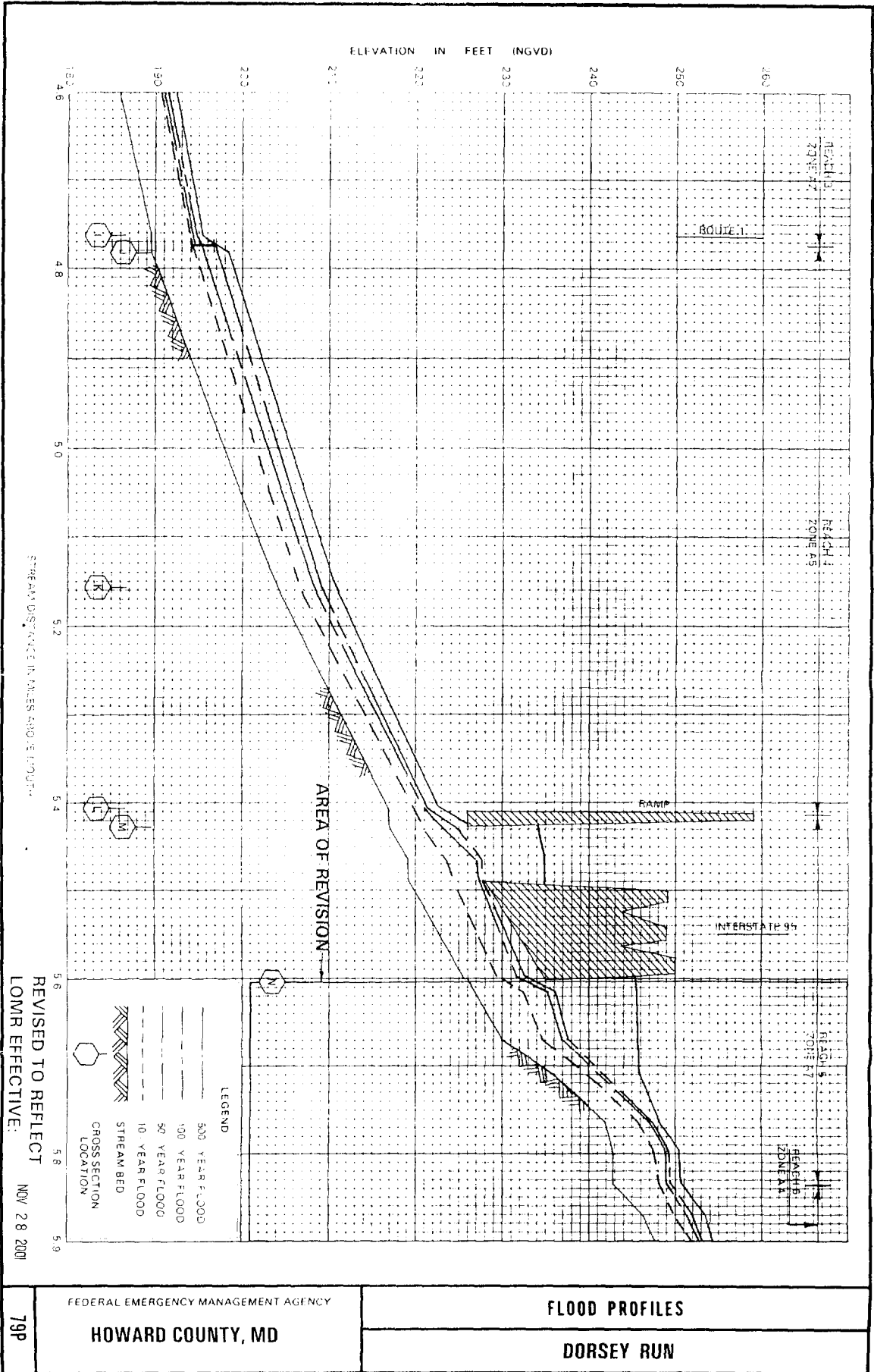
MAP REVISED:
DECEMBER 4, 1986

REVISED TO REFLECT
LOMR EFFECTIVE:

NOV 28 2001



Federal Emergency Management Agency



FEDERAL EMERGENCY MANAGEMENT AGENCY

HOWARD COUNTY, MD

79P

FLOOD PROFILES

DORSEY RUN

