FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 3 OF 3

ESSEX COUNTY, NEW JERSEY

(ALL JURISDICTIONS)

COMMUNITY NAME	NUMBER	COMMUNITY NAME	NUMBER
BOROUGH OF CALDWELL	340584	TOWNSHIP OF FAIRFIELD	345295
BOROUGH OF ESSEX FELLS	340575	TOWNSHIP OF IRVINGTON	340184
BOROUGH OF GLEN RIDGE	340183	TOWNSHIP OF LIVINGSTON	340185
BOROUGH OF NORTH		TOWNSHIP OF MAPLEWOOD	340186
CALDWELL	340190	TOWNSHIP OF MILLBURN	340187
BOROUGH OF ROSELAND	340193	TOWNSHIP OF MONTCLAIR	340188
CITY OF EAST ORANGE	340181	TOWNSHIP OF NUTLEY	340191
CITY OF NEWARK	340189	TOWNSHIP OF SOUTH	
CITY OF ORANGE TOWNSHIP	340192	ORANGE VILLAGE	340194
TOWNSHIP OF BELLEVILLE	340177	TOWNSHIP OF VERONA	340195
TOWNSHIP OF BLOOMFIELD	340178	TOWNSHIP OF WEST CALDWELL	340196
TOWNSHIP OF CEDAR GROVE	340180	TOWNSHIP OF WEST ORANGE	340197

REVISED:

PRELIMINARY
May 30, 2014

FLOOD INSURANCE STUDY NUMBER
34013CV003B

FEMA

NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this Flood Insurance Study may be revised and republished at any time. In addition, part of this Flood Insurance Study may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the Flood Insurance Study. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current Flood Insurance Study components.

Initial County FIS Effective Date: June 4, 2007

Revised Countywide FIS Date: TBD - To add Base Flood Elevations and Special Flood Hazard Areas; to change Base Flood Elevations, Special Flood Hazard Areas, and zone designations; to updated roads and road names; and to reflect updated topographic information.

TABLE OF CONTENTS – VOLUME 1

1.0 INTRODUCTION 1

1.1 Purpose of Study 1

1.2 Authority and Acknowledgments 1

1.3 Coordination 7

2.0 AREA STUDIED 8

2.1 Scope of Study 8

2.2 Community Description 18

2.3 Principal Flood Problems 30

2.4 Flood Protection Measures 40

3.0 ENGINEERING METHODS 43

3.1 Hydrologic Analyses 44

3.2 Hydraulic Analyses 68

3.3 Coastal Analyses 77

3.4 Vertical Datum 82

4.0 FLOODPLAIN MANAGEMENT APPLICATIONS 83

4.1 Floodplain Boundaries 83

4.2 Floodways 84

5.0 INSURANCE APPLICATION 127

6.0 FLOOD INSURANCE RATE MAP 128

7.0 OTHER STUDIES 131

8.0 LOCATION OF DATA 131

9.0 BIBLIOGRAPHY AND REFERENCES 131

TABLE OF CONTENTS – VOLUME 1 (Cont'd)

FIGURES

Figure 1 – Frequency Discharge, Drainage Area Curves....61
Figure 2 – Transect Location Map....79
Figure 3 – Transect Schematic....82
Figure 4 – Floodway Schematic....85

TABLES

Table 1 – CCO Meeting Dates For Precountywide FISs....7
Table 2 – Streams Studied By Detailed Methods....9
Table 3 – Streams Studied By Approximate Methods....15
Table 4 – June 4, 2007, Scope of Revision....17
Table 5 – [TBD], Scope of Revision....18
Table 6 – Summary of Discharges....54
Table 7 – Manning's "n" Values....75
Table 8 – Transect Data....80
Table 9 – Floodway Data....86
Table 10 – Community Map History....129

TABLE OF CONTENTS – VOLUME 2

EXHIBITS

Exhibit 1 - Flood Profiles

Bear Brook	Panels 01P-04P
Canoe Brook	Panels 05P-19P
Canoe Brook Tributary No. 1 (Downstream)	Panels 20P-21P
Canoe Brook Tributary No. 1 (Upstream)	Panels 22P-23P
Canoe Brook Tributary No. 2	Panels 24P-29P
Canoe Brook Tributary No. 3	Panels 30P-34P
Crooked Brook	Panels 35P-36P
Crystal Lake Branch	Panels 37P-38P
Cub Brook	Panels 39P-44P
Deepavaal Brook	Panels 45P-47P
Elizabeth River	Panels 48P-52P
Foulerton's Brook	Panels 53P-58P
Foulerton's Brook (Upstream)	Panel 59P
North Branch Foulerton's Brook	Panels 60P-64P
Green Brook	Panels 65P-69P
Green Brook Tributary	Panels 70P-73P
Kane Brook	Panels 74P-77P
Lightning Brook	Panels 78P-80P
Nishuane Brook	Panels 81P-84P
Passaic River (Upstream)	Panels 85P-96P
Passaic River Tributary	Panels 97P-99P

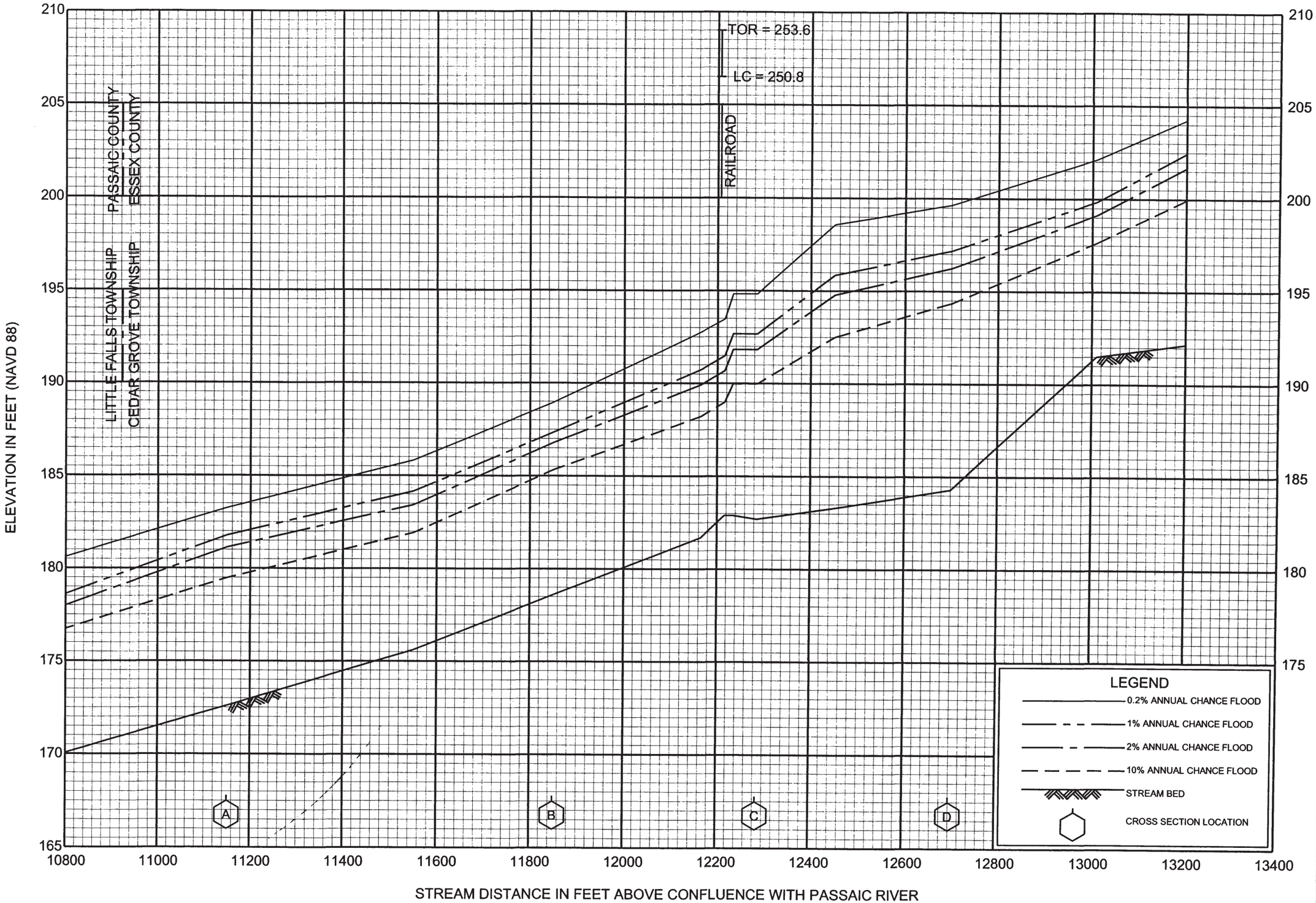
TABLE OF CONTENTS – VOLUME 3

EXHIBITS (Cont'd)

Exhibit 1 - Flood Profiles (Cont'd)

Peckman River	Panels	100P-111P
Peckman River Tributary	Panel	112P
Pine Brook	Panels	113P-121P
East Branch Rahway River	Panels	122P-130P
East Fork of East Branch Rahway River	Panels	131P-134P
West Branch Rahway River (Downstream)	Panels	135P-140P
West Branch Rahway River	Panels	141P-143P
Second River	Panels	144P-157P
Second River Tributary	Panels	158P-166P
North Branch Wigwam Brook	Panels	167P-170P
Branch of North Branch Wigwam Brook	Panel	171P
South Branch Wigwam Brook	Panels	172P-173P
St. Pauls Branch	Panels	174P-177P
Slough Brook	Panels	178P-180P
Slough Brook Tributary	Panels	181P-182P
Taylor Brook	Panels	183P-184P
Third River	Panels	185P-193P
Third River Tributary	Panels	194P-198P
Third River Tributary No. 1	Panel	199P
Turtle Brook	Panels	200P-201P
Van Winkles Brook	Panels	202P-204P
Yantacaw Brook	Panels	205P-207P

Exhibit 2 - Flood Insurance Rate Map Index
Flood Insurance Rate Map



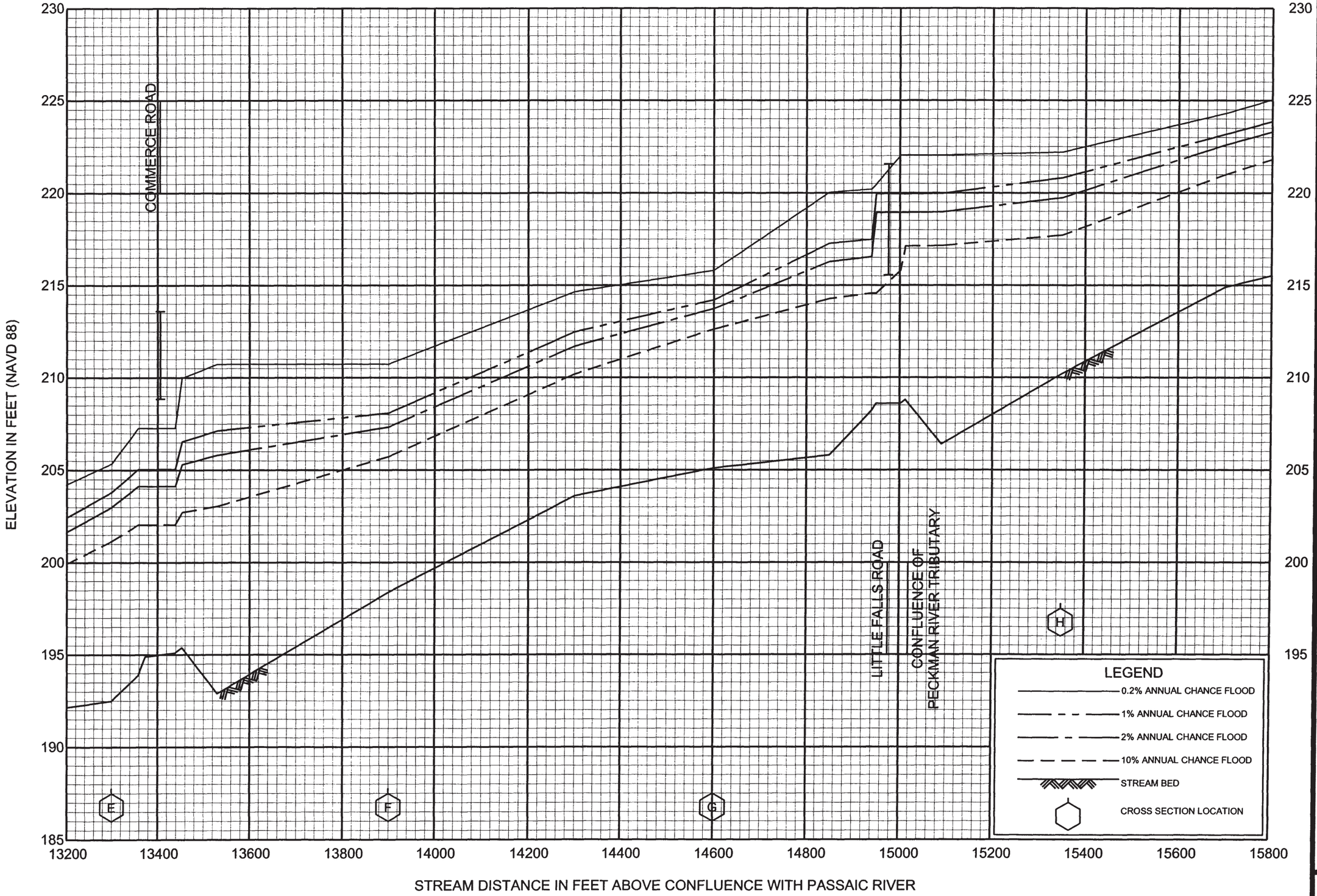
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

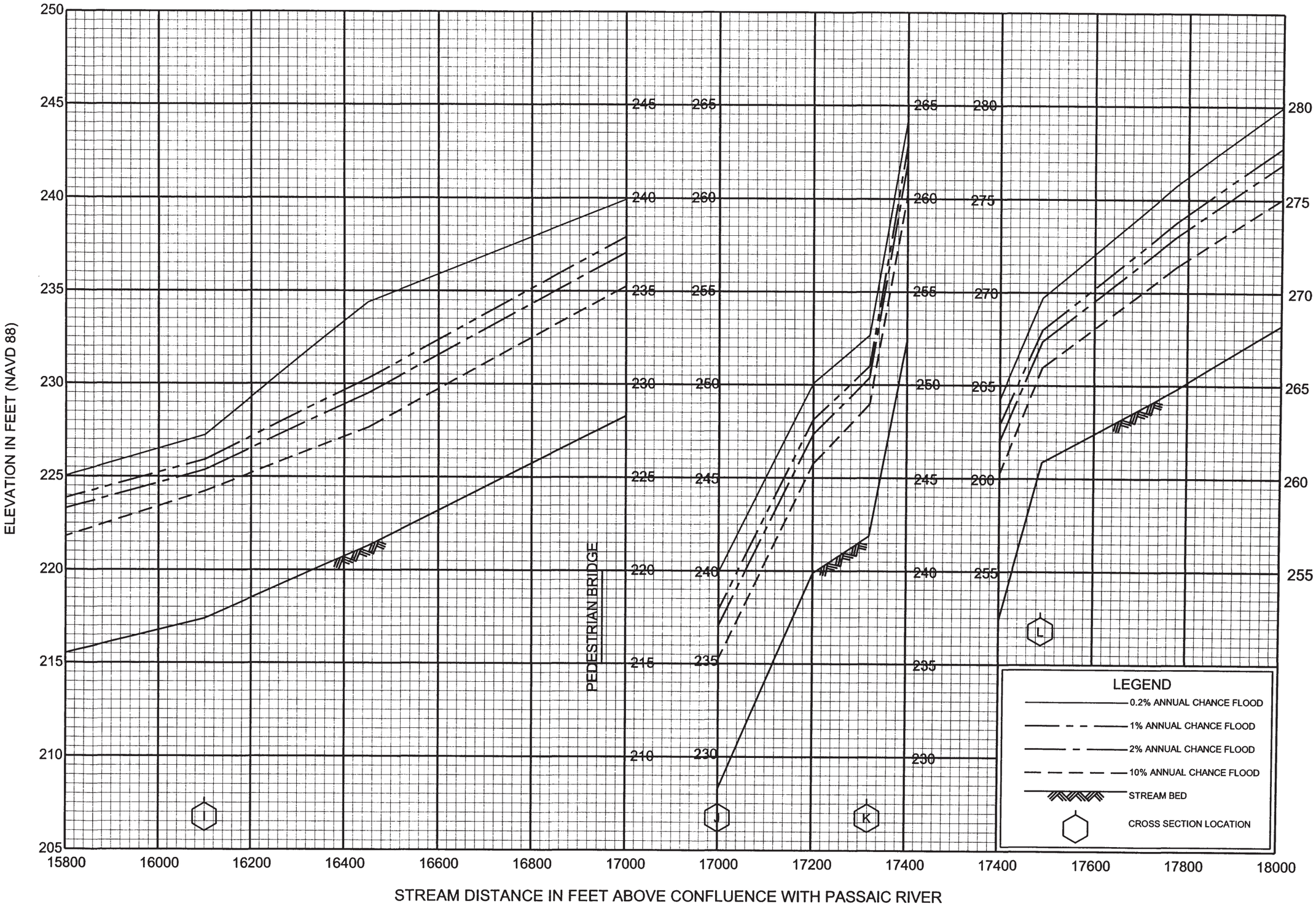
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

101P



FLOOD PROFILES

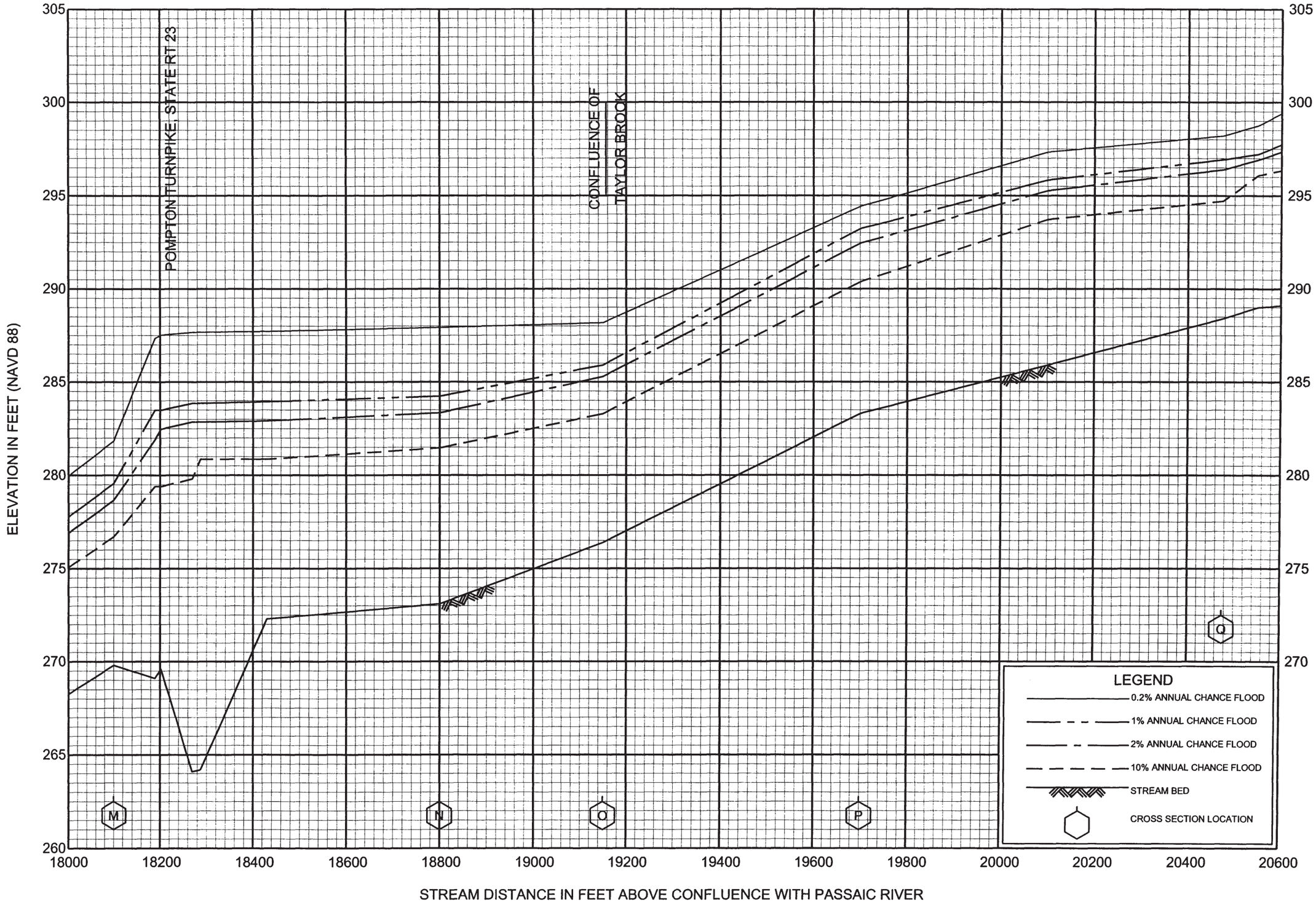
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

102P



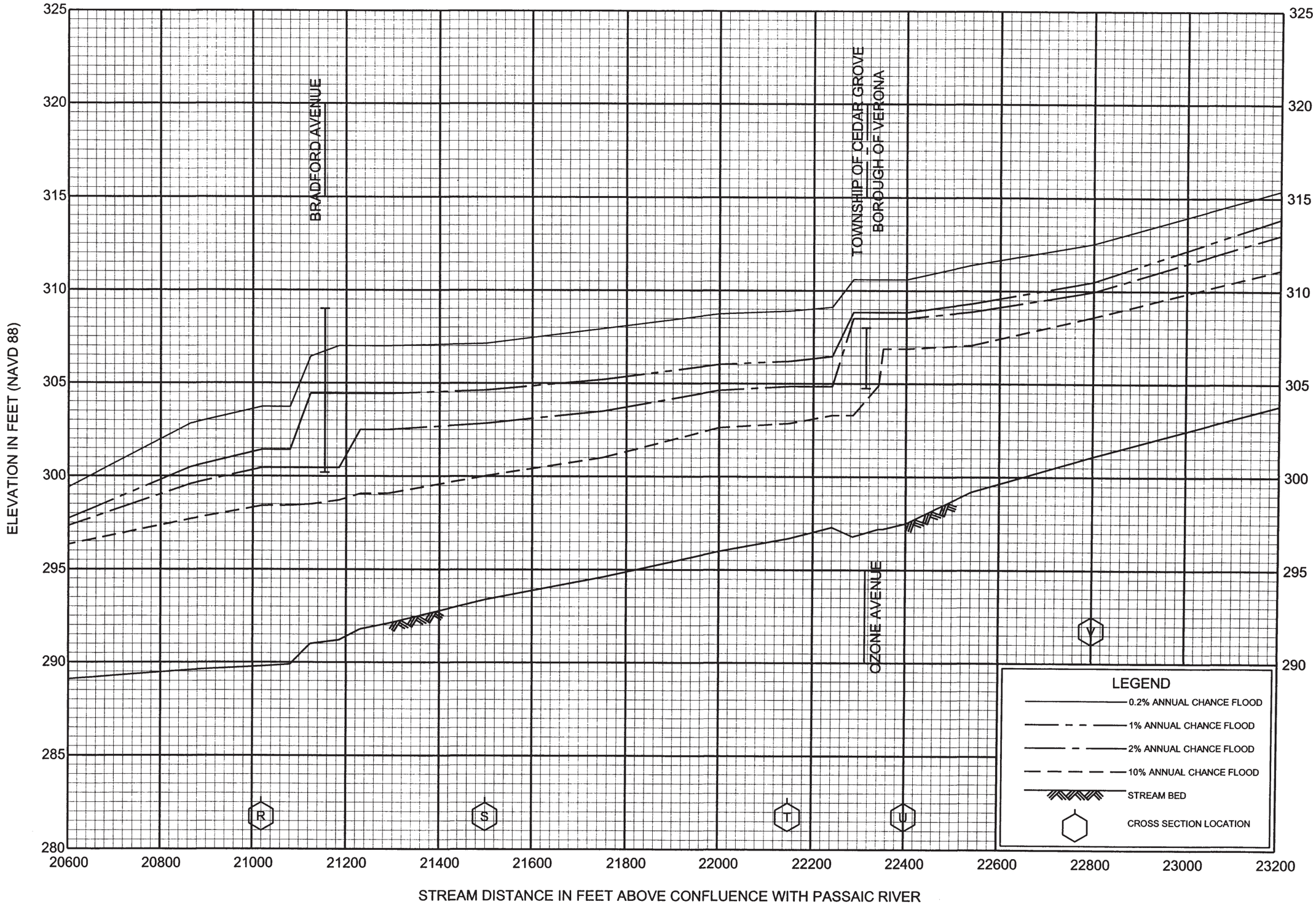
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

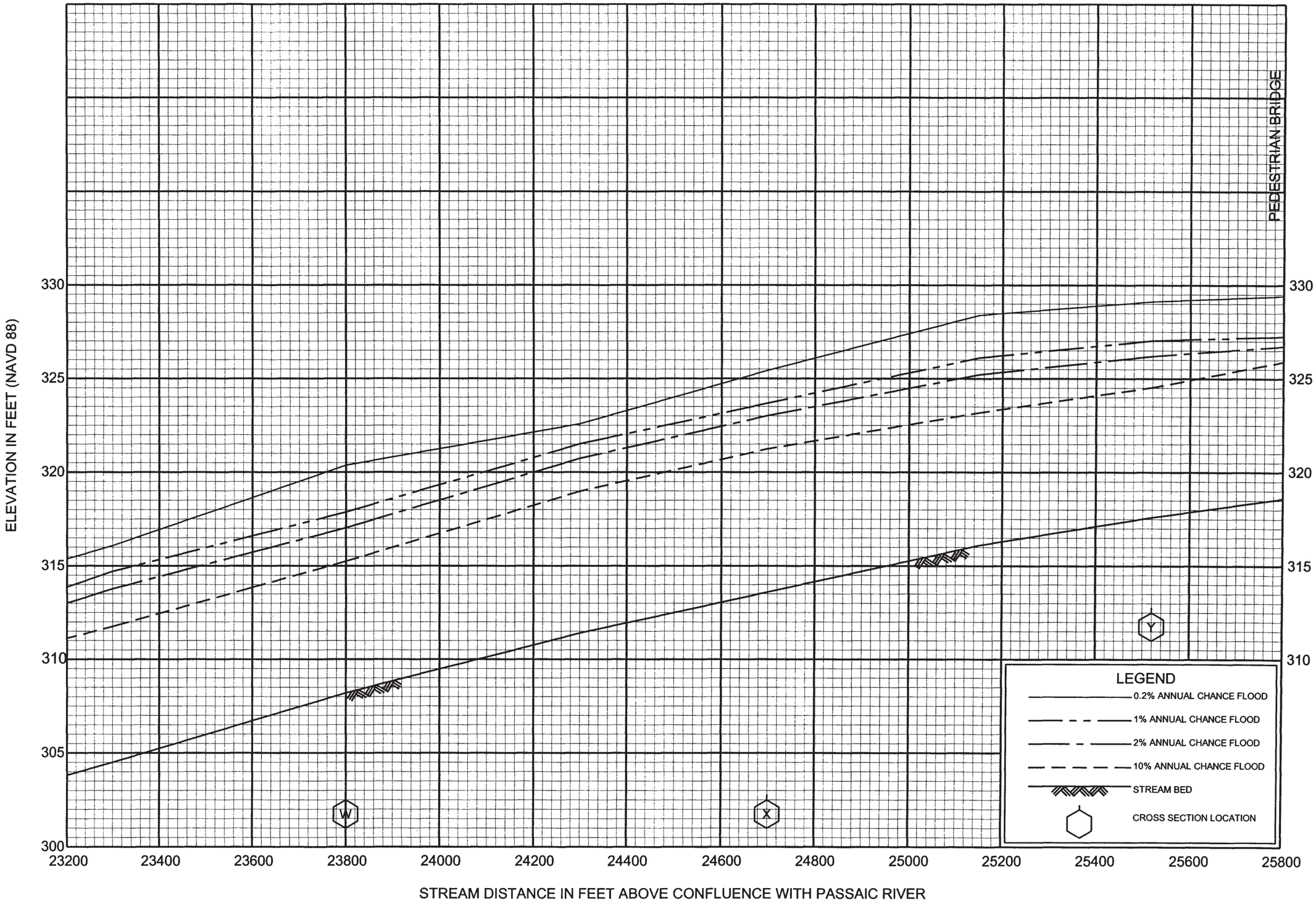
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

104P



FLOOD PROFILES

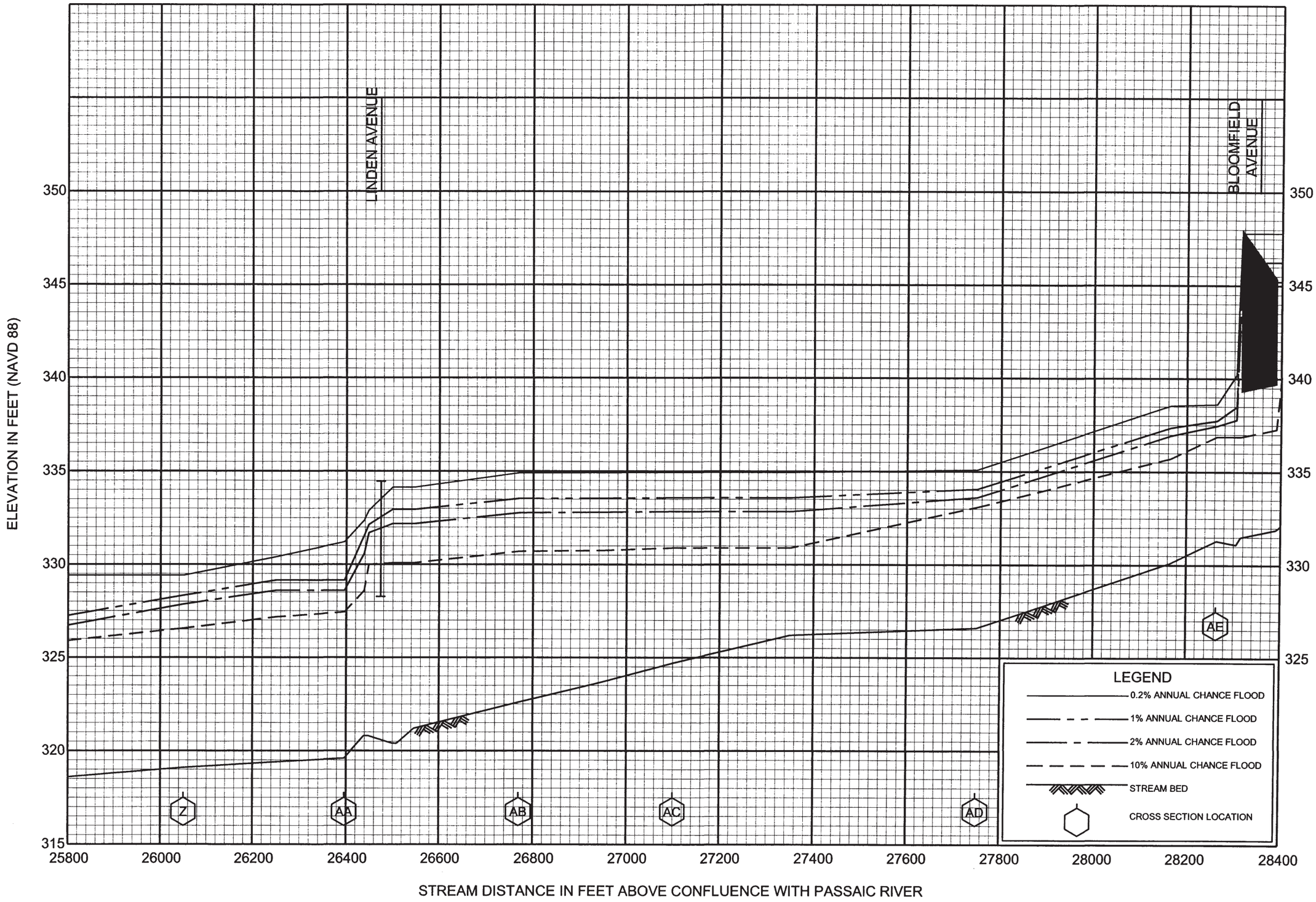
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

105P



FLOOD PROFILES

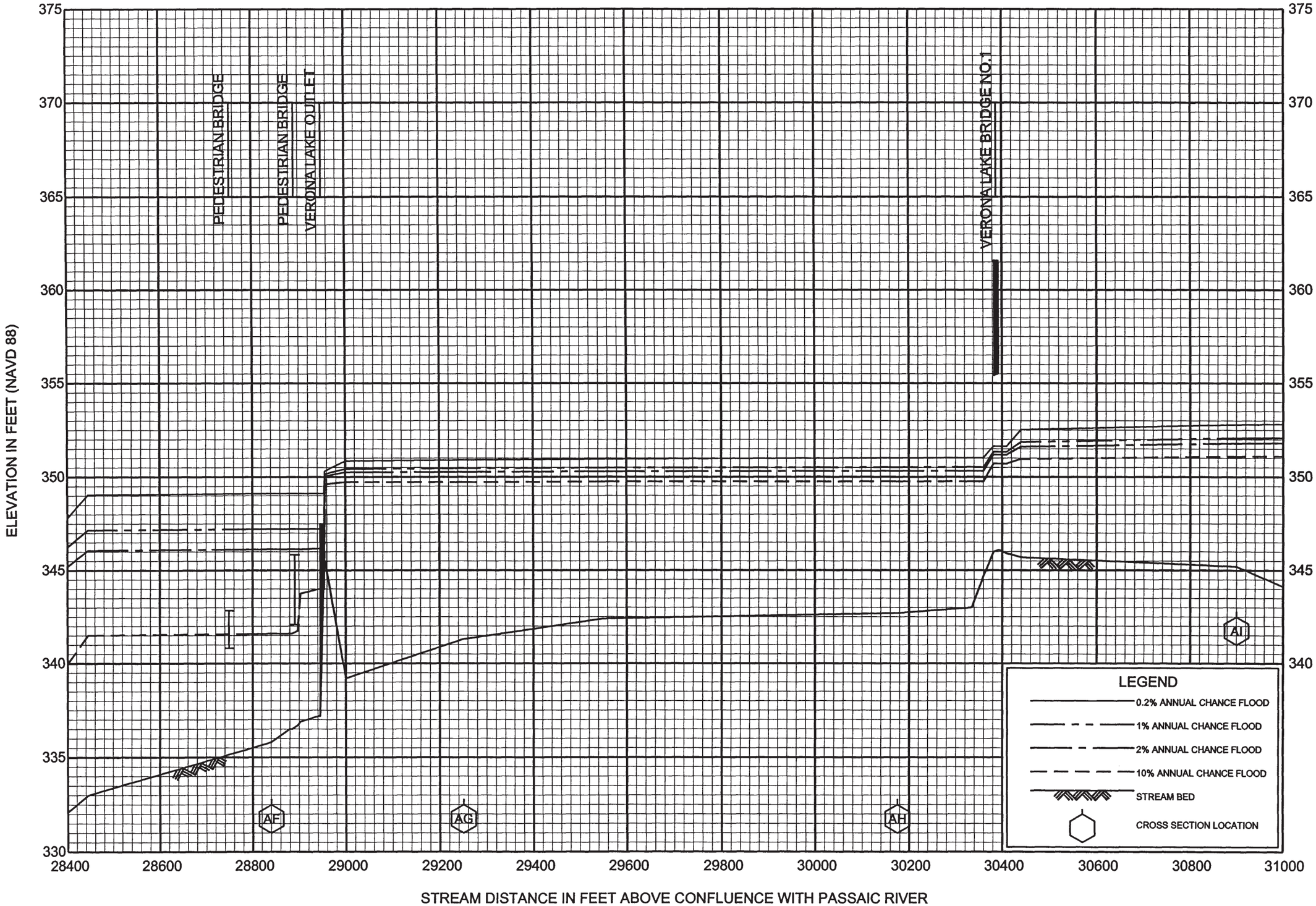
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

106P



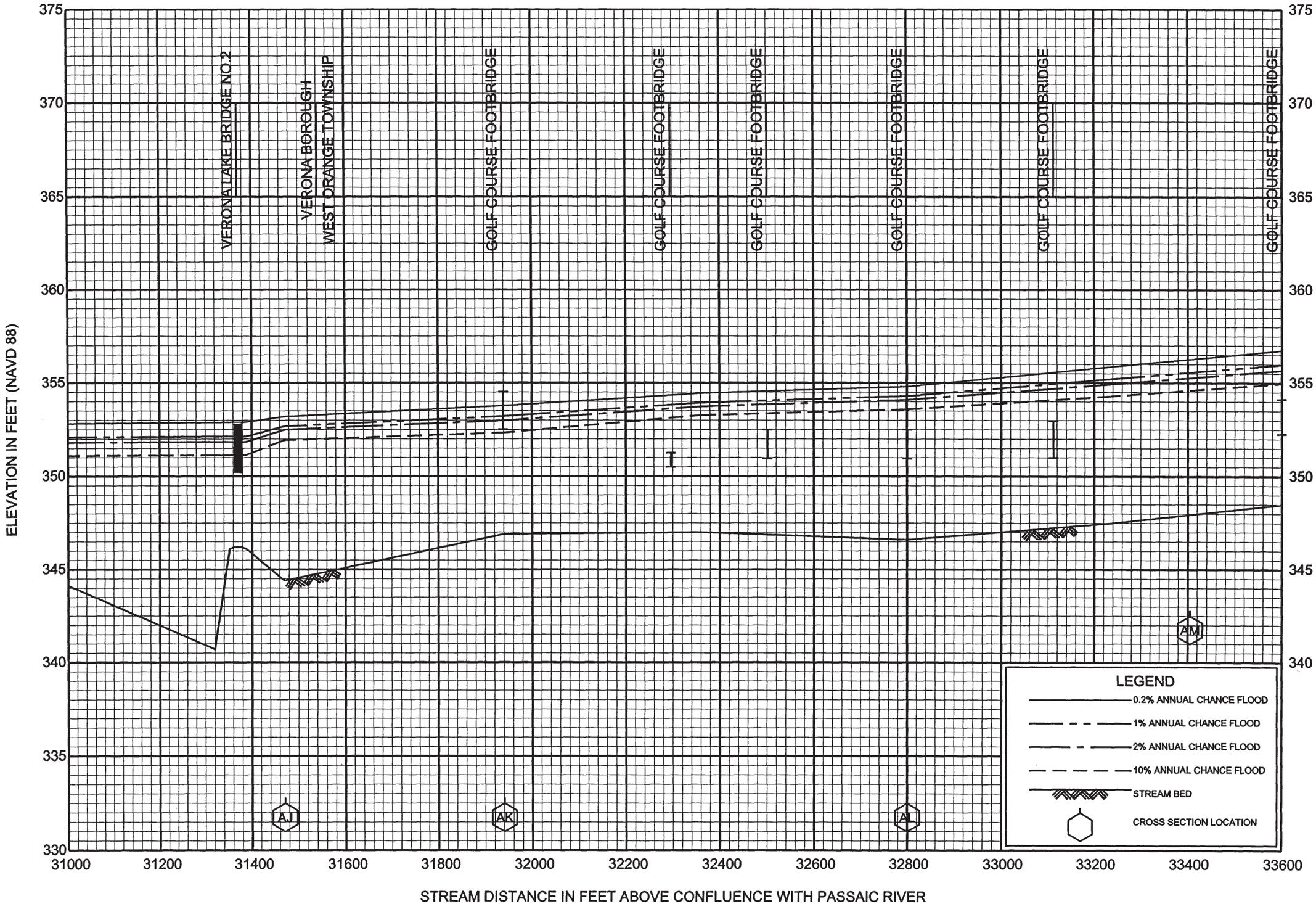
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



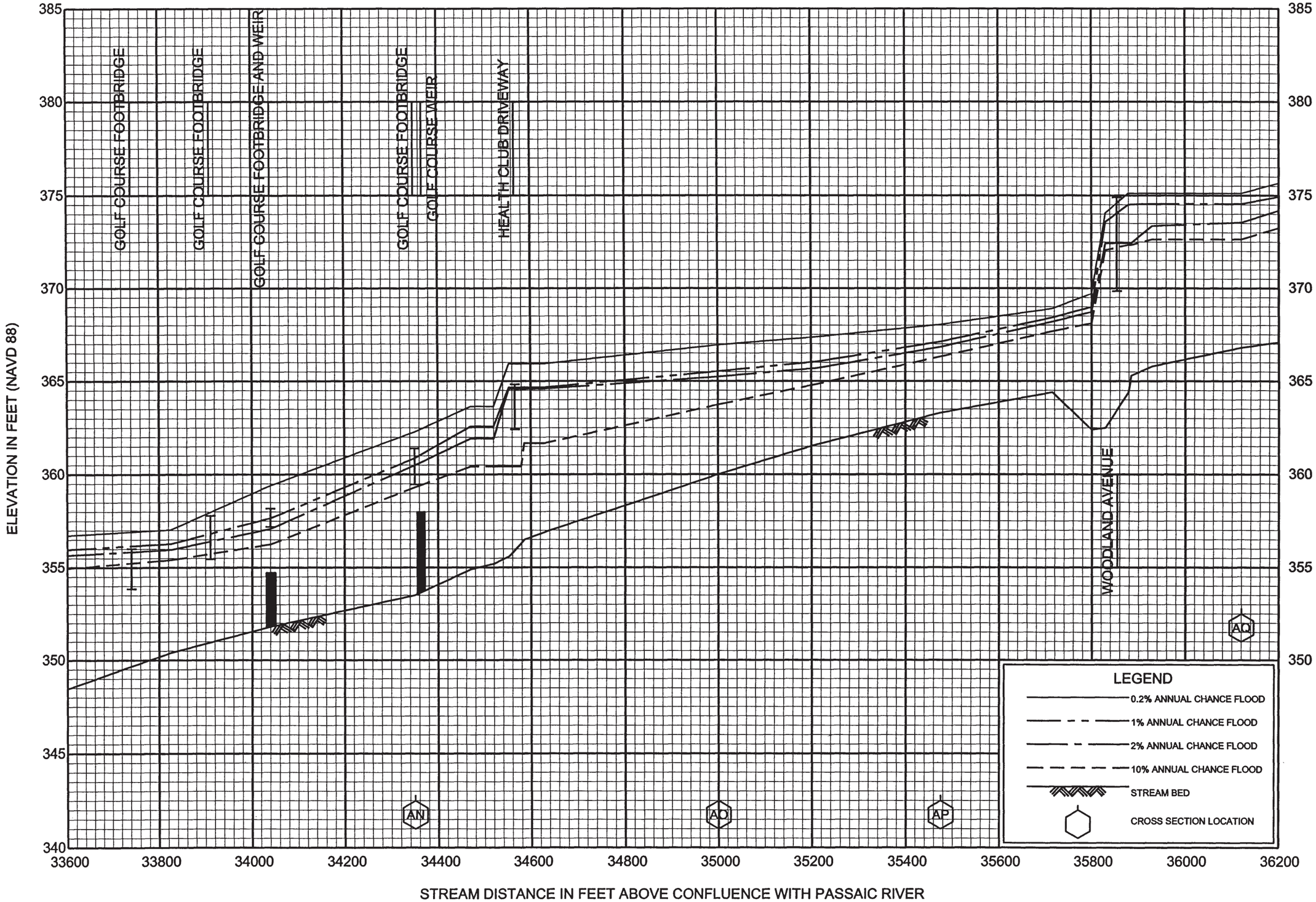
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



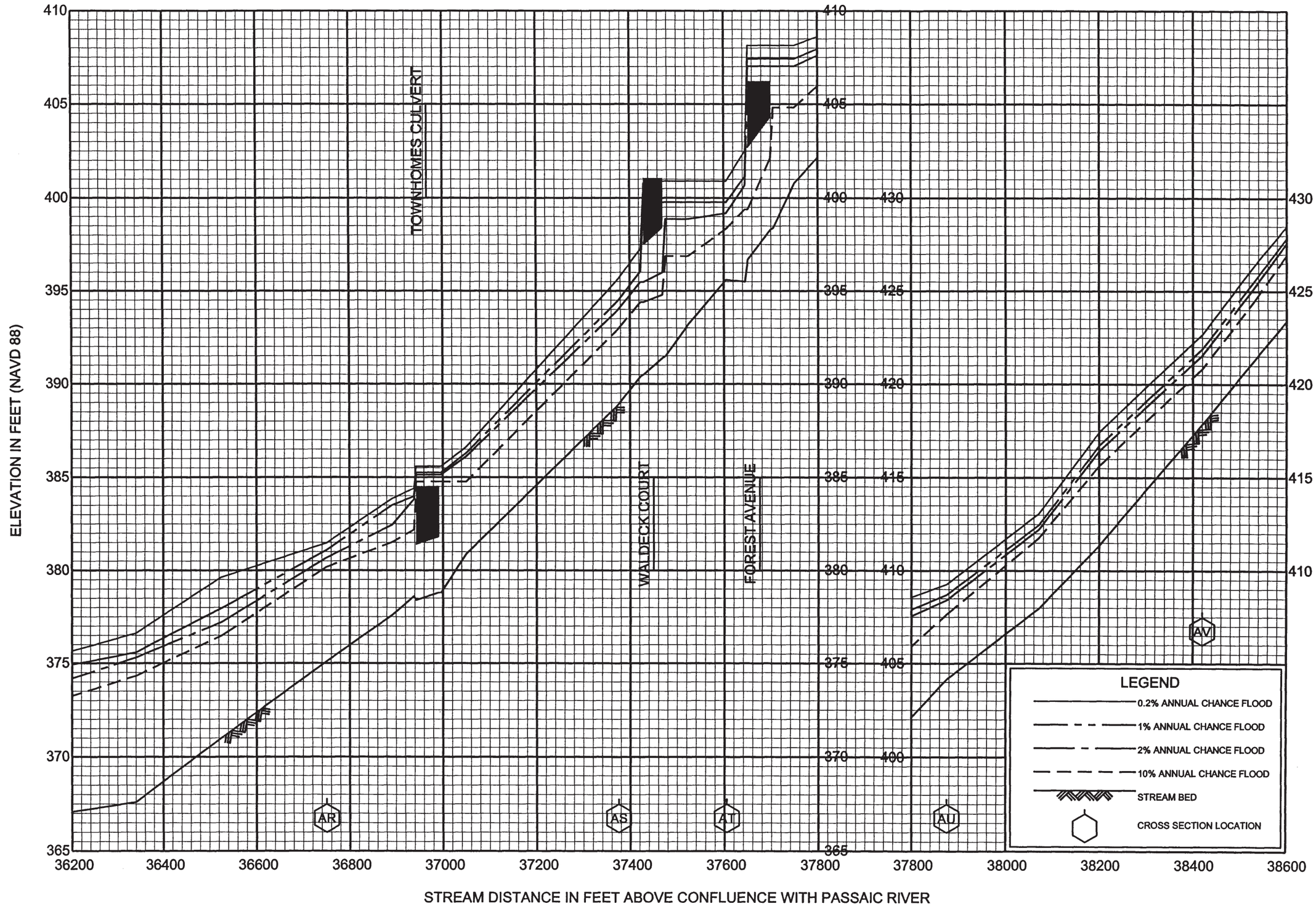
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



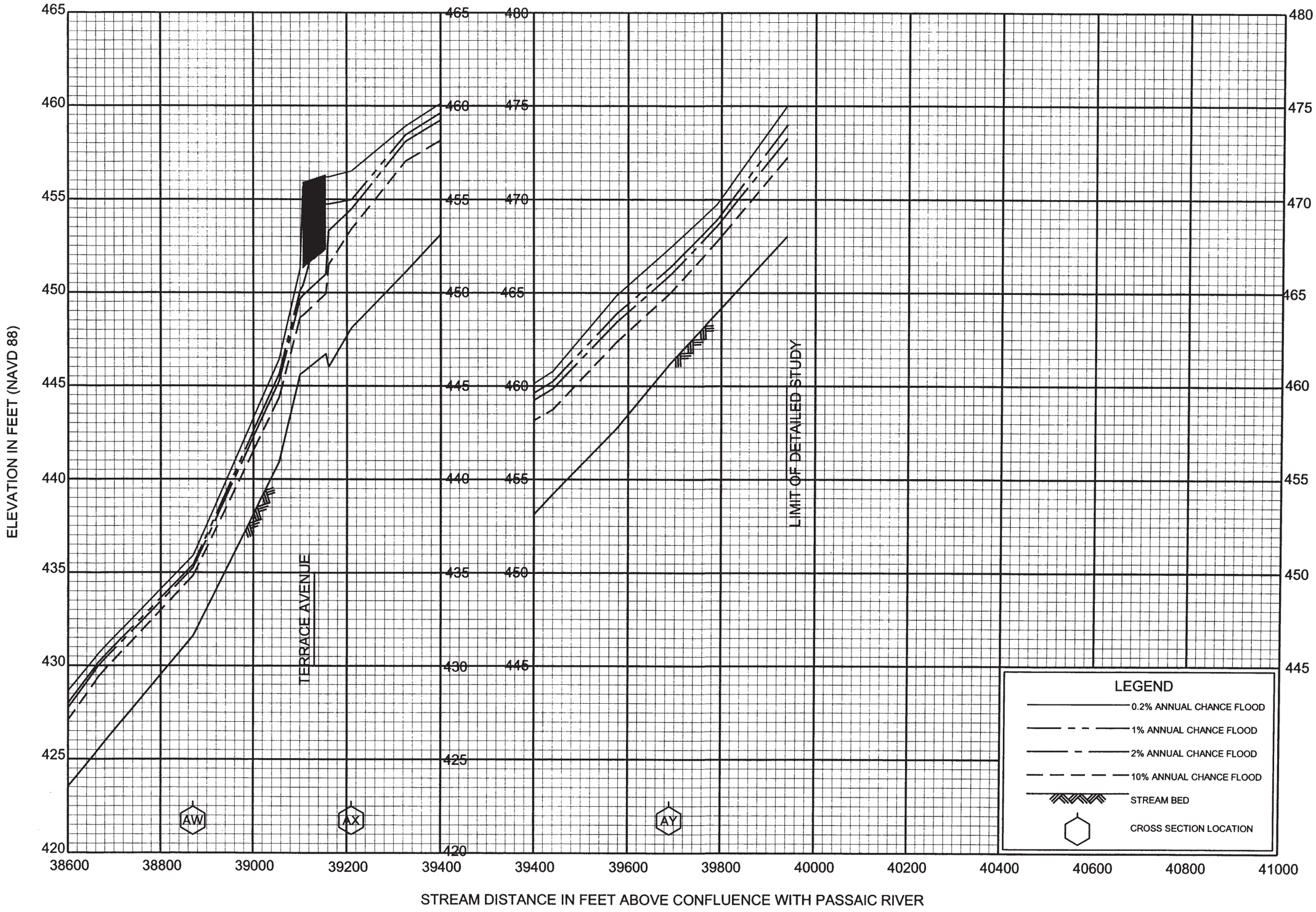
FLOOD PROFILES

PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

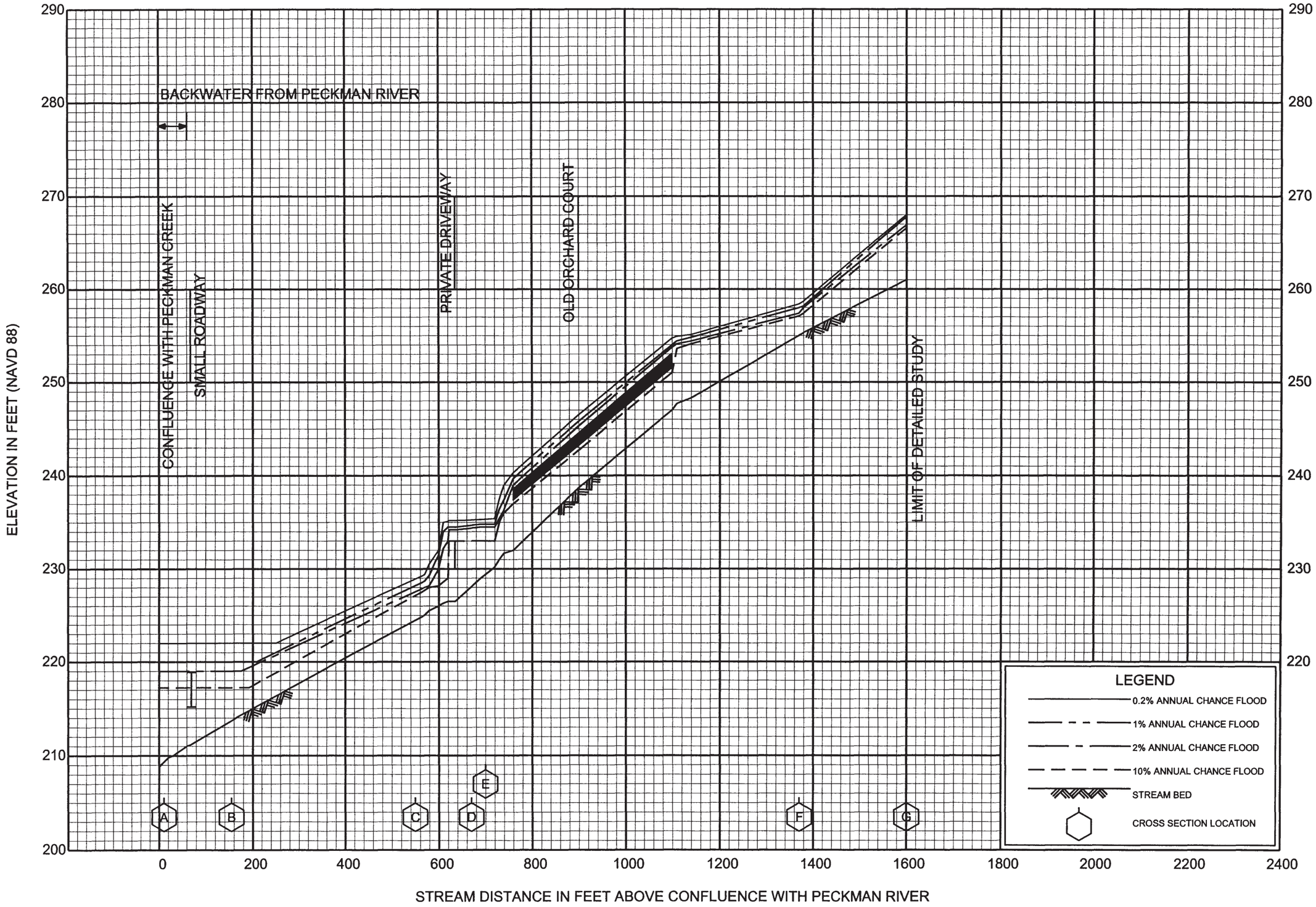
PECKMAN RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

111P



FLOOD PROFILES

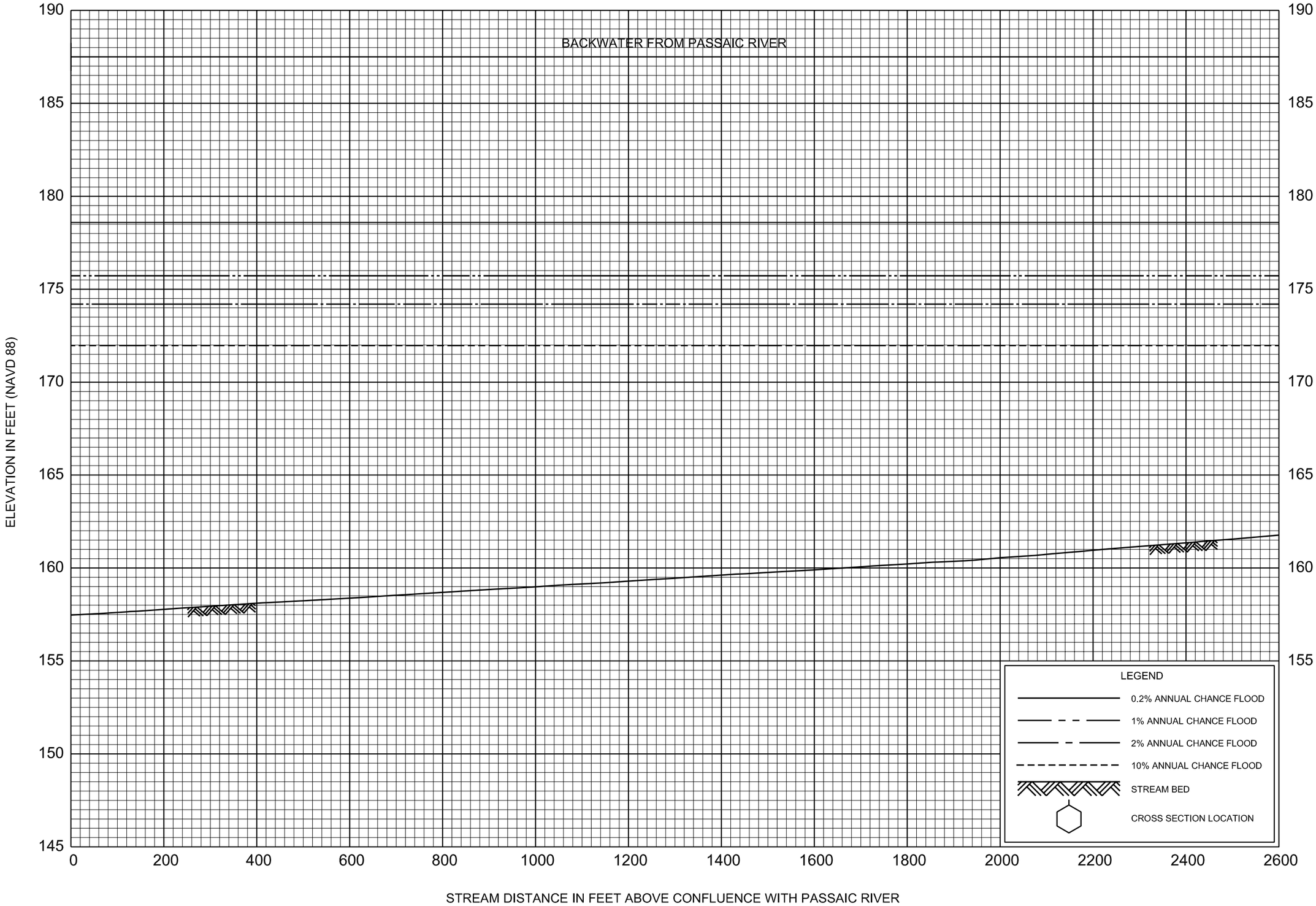
PECKMAN RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

112P



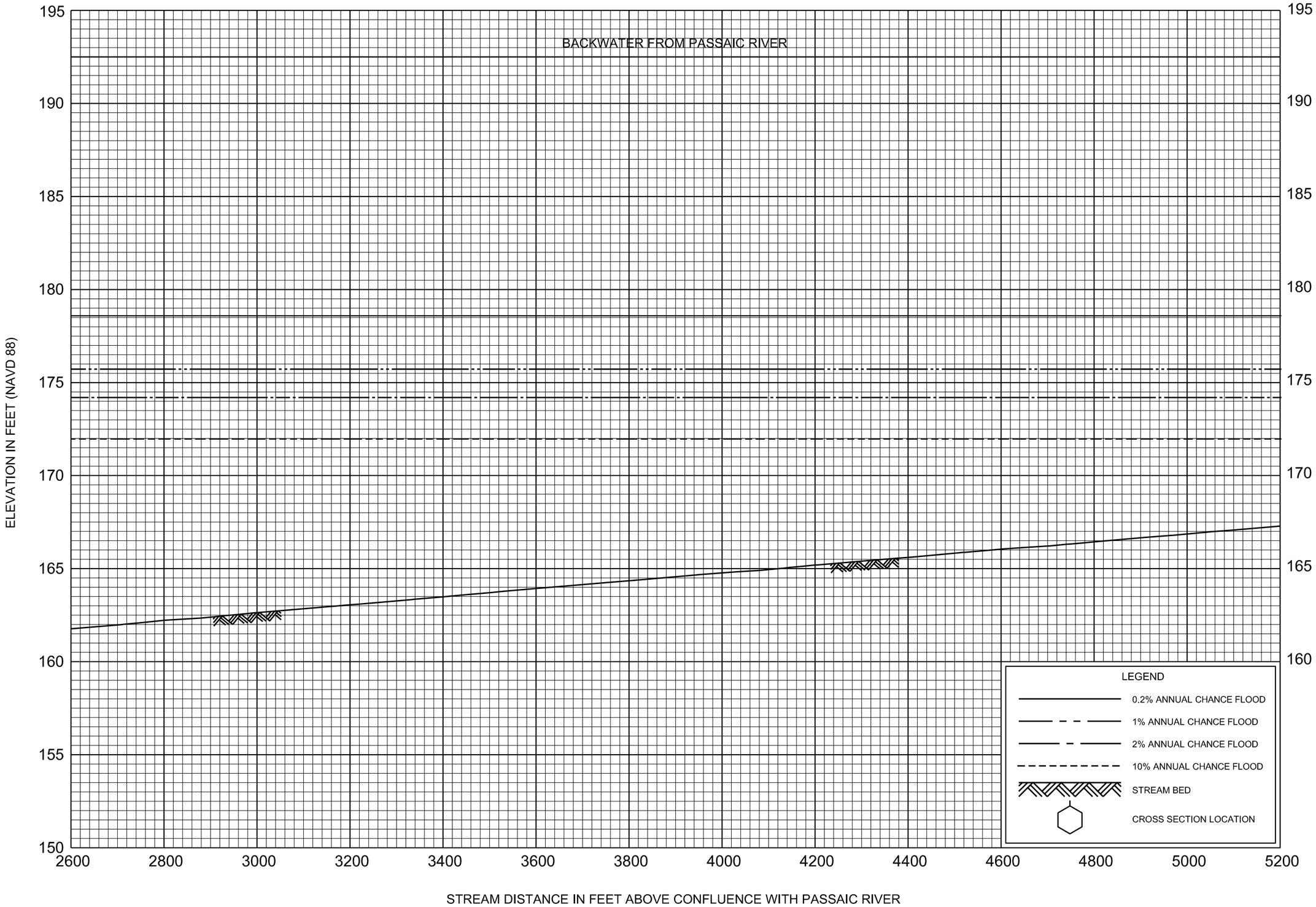
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



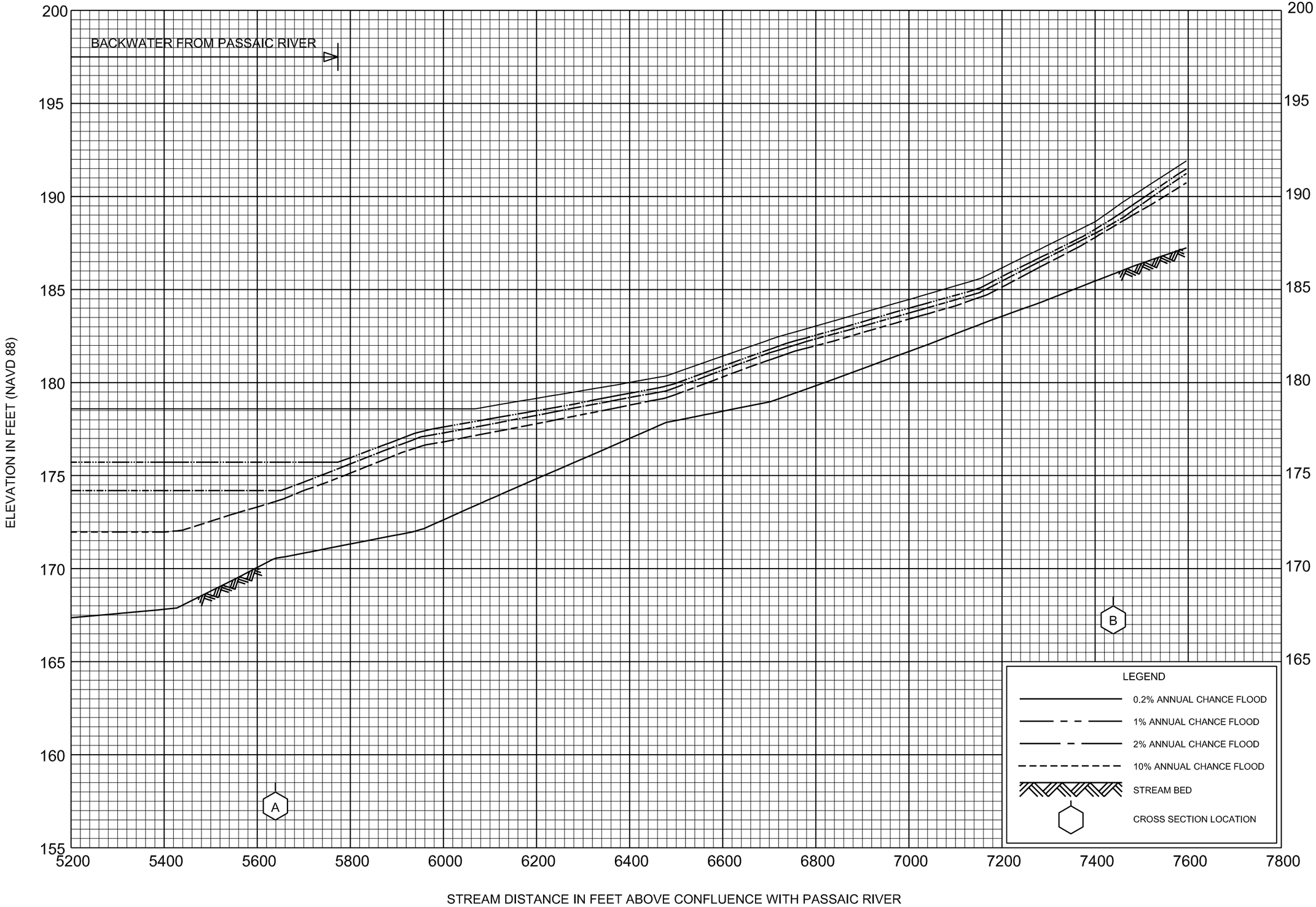
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

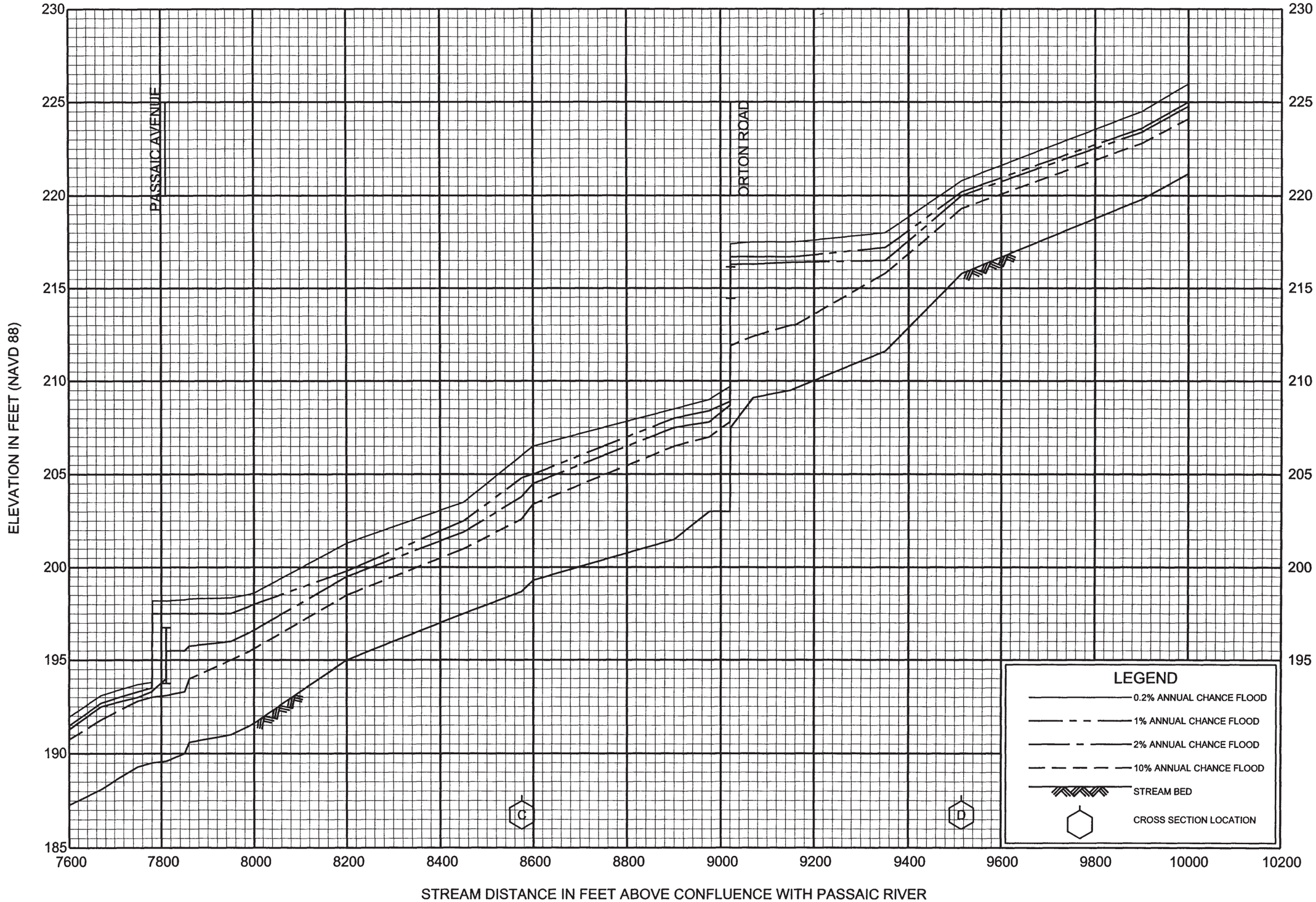
PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

115P



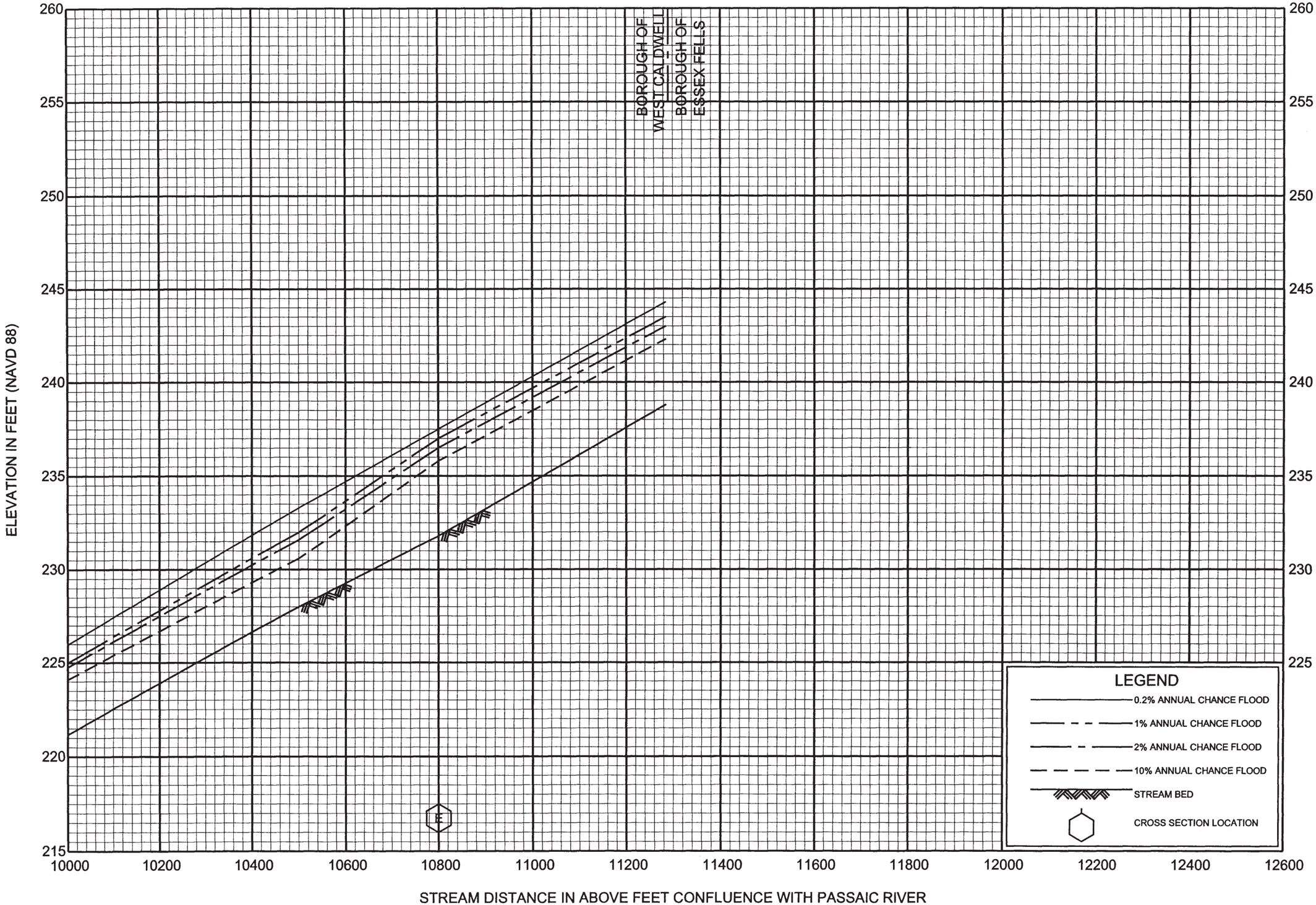
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



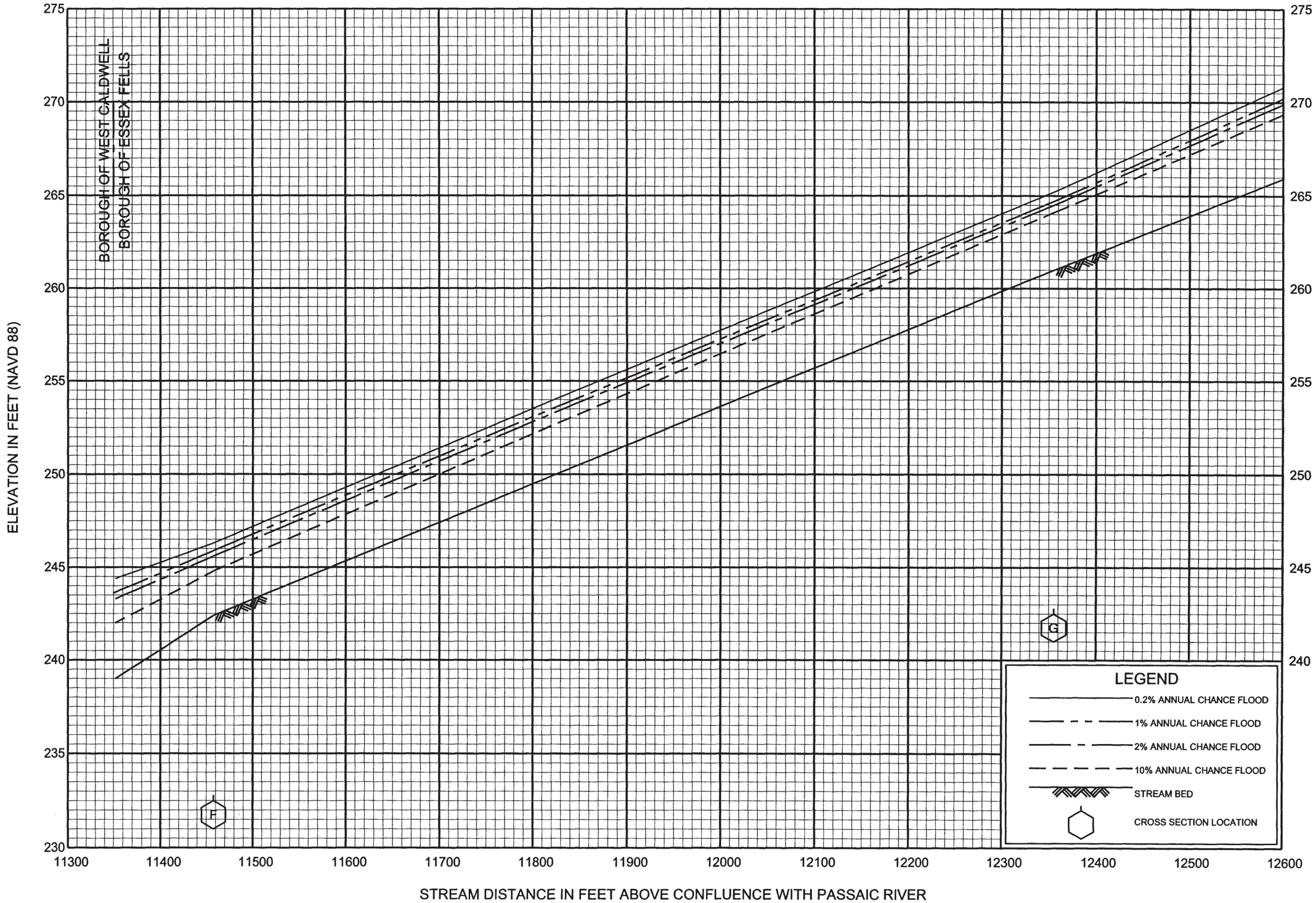
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



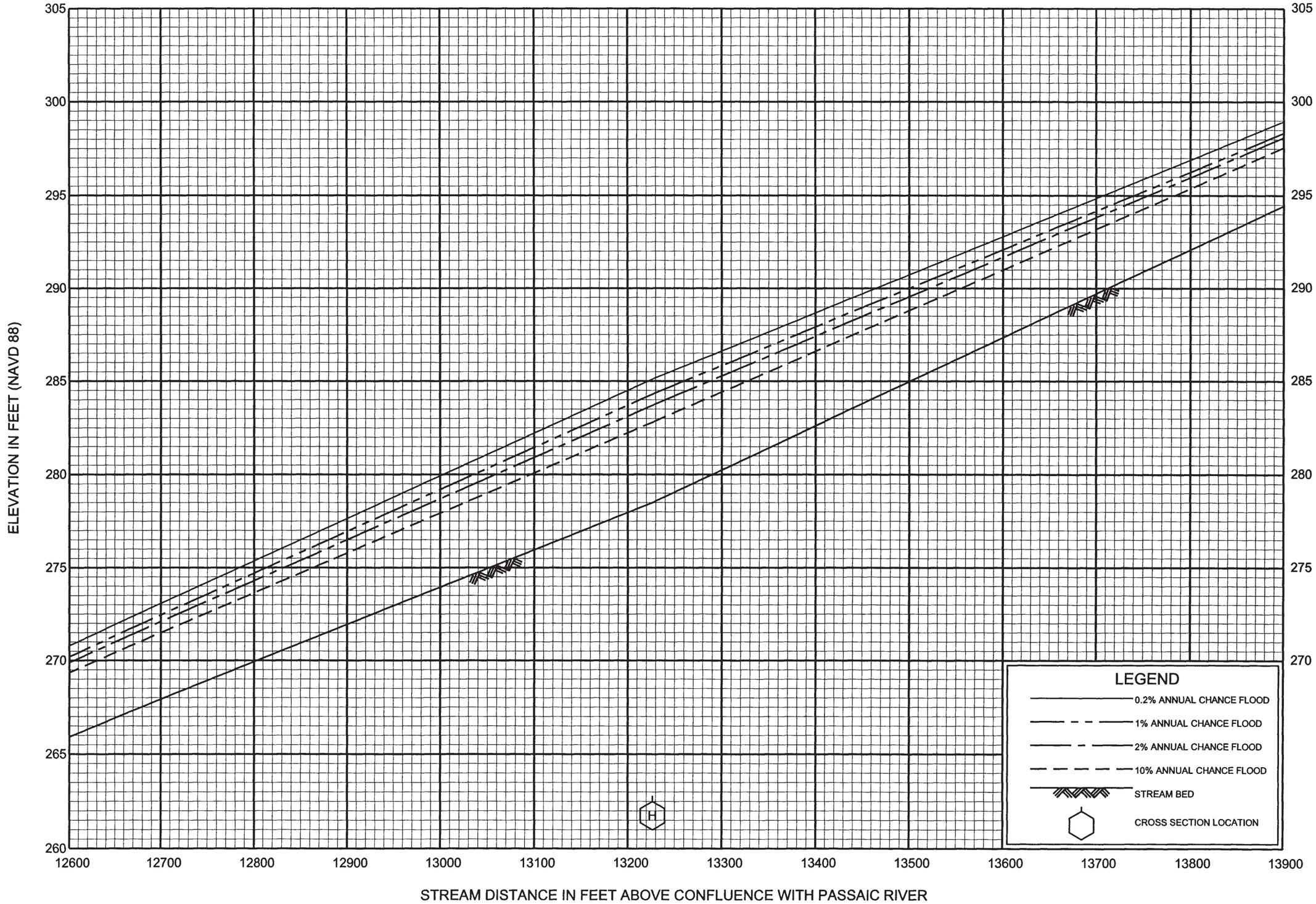
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



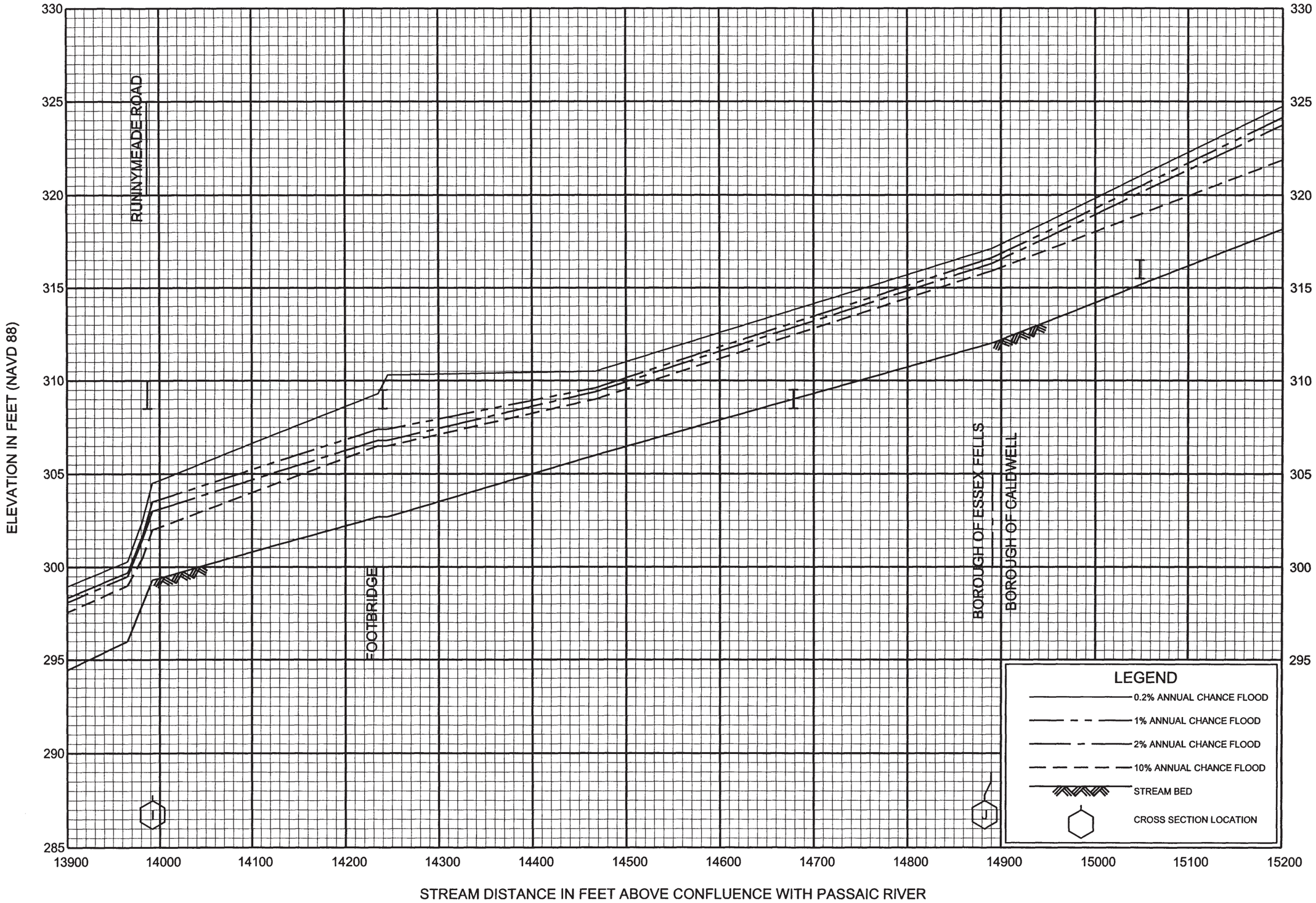
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

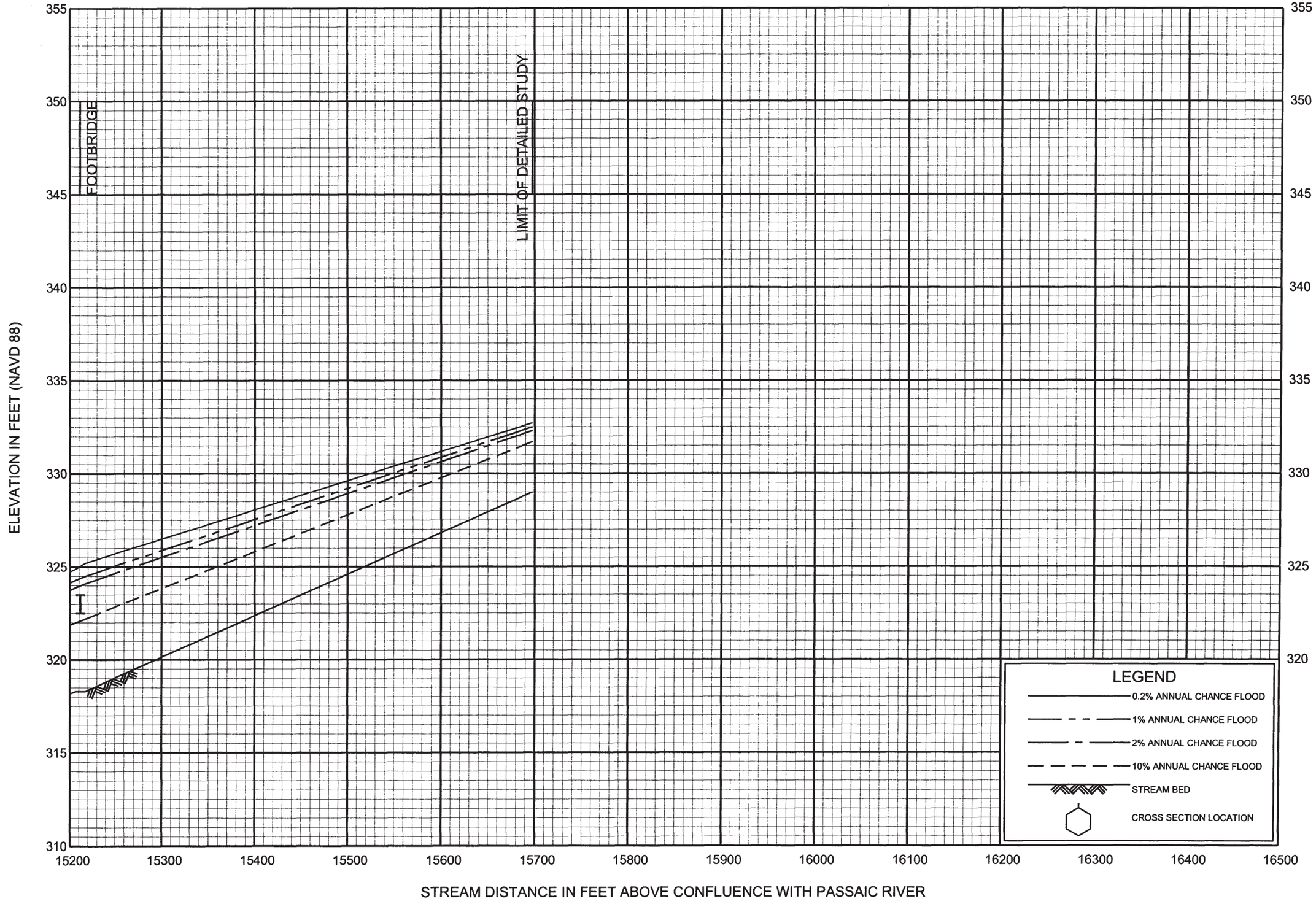
PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

120P



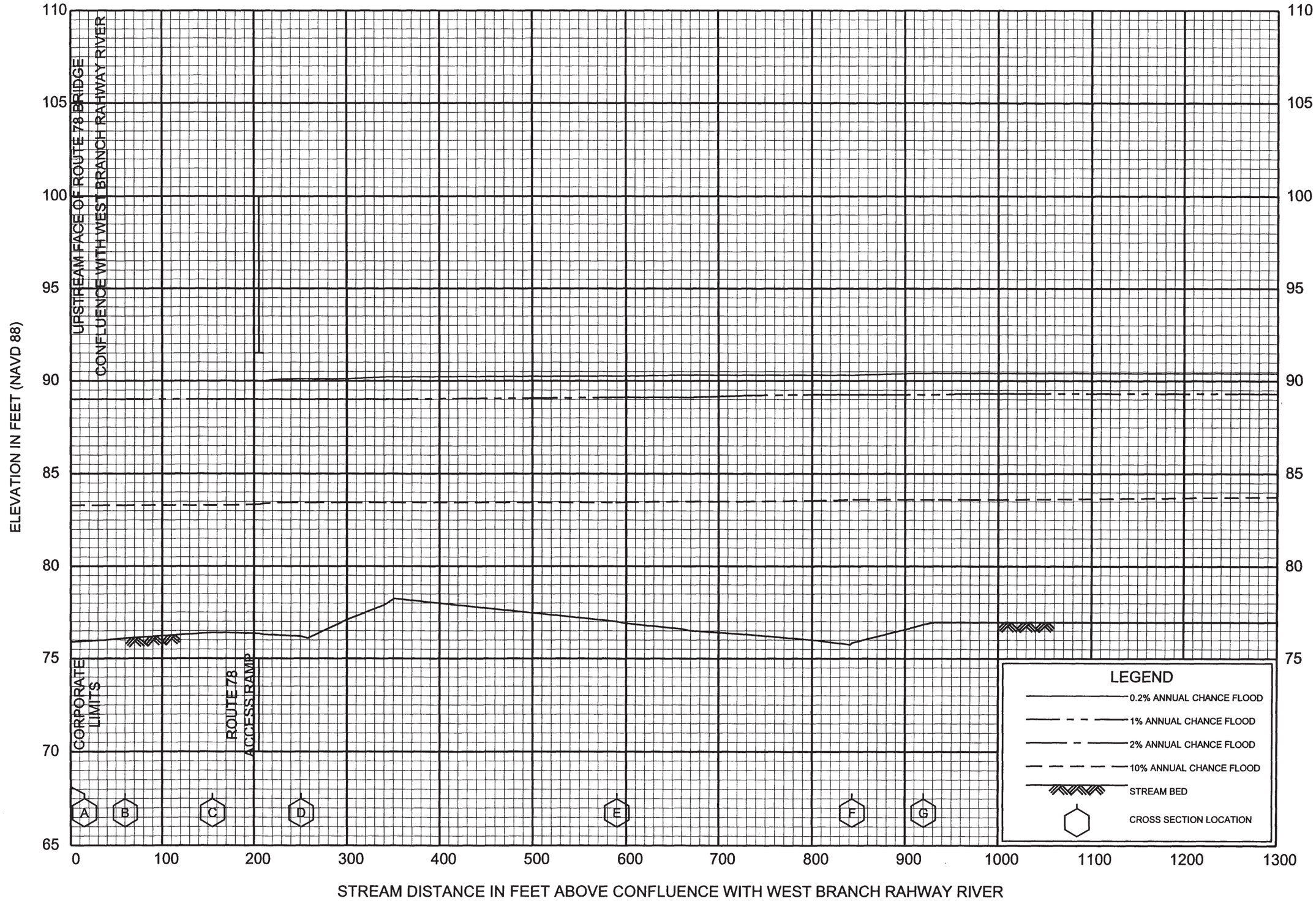
FLOOD PROFILES

PINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



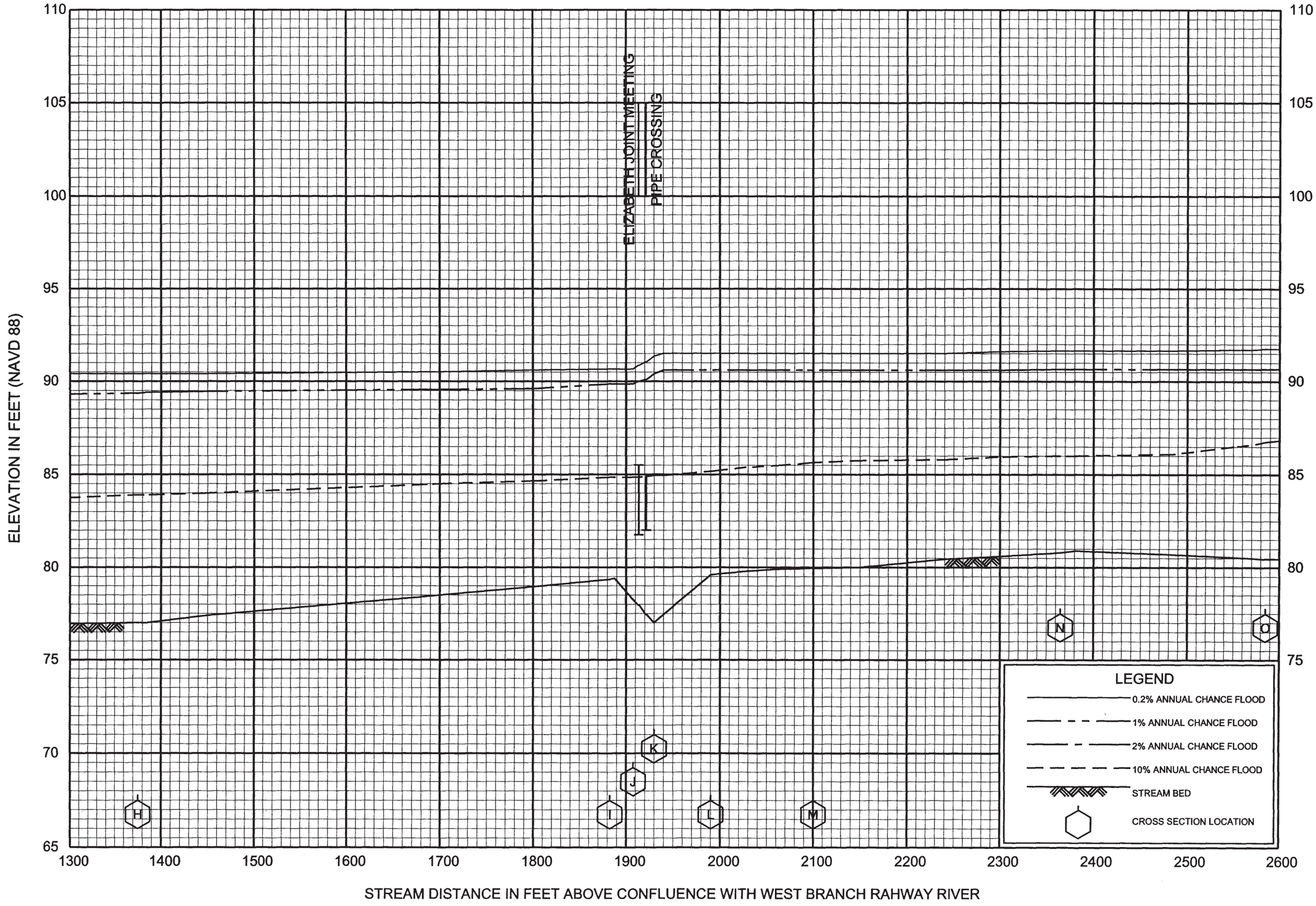
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



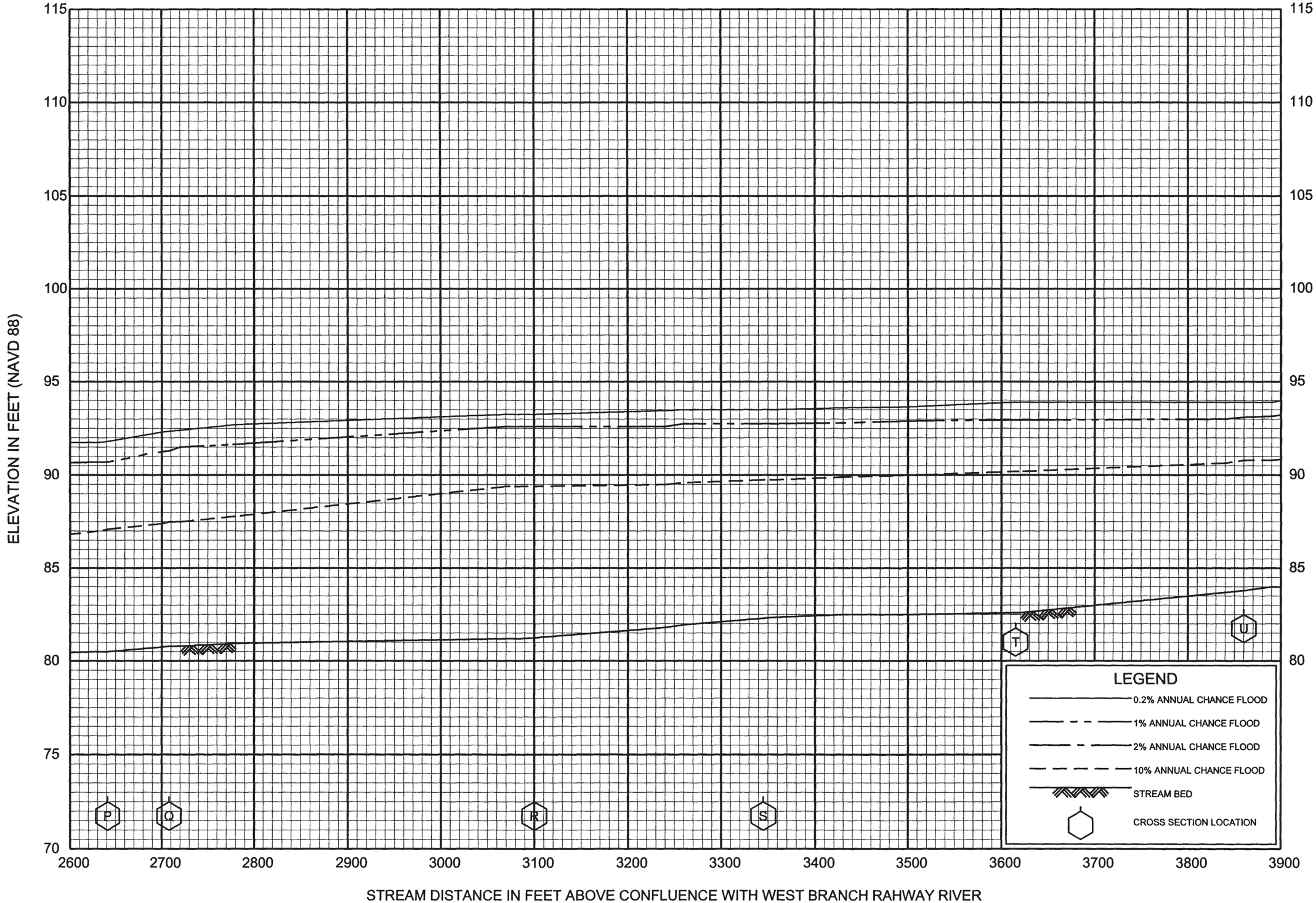
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



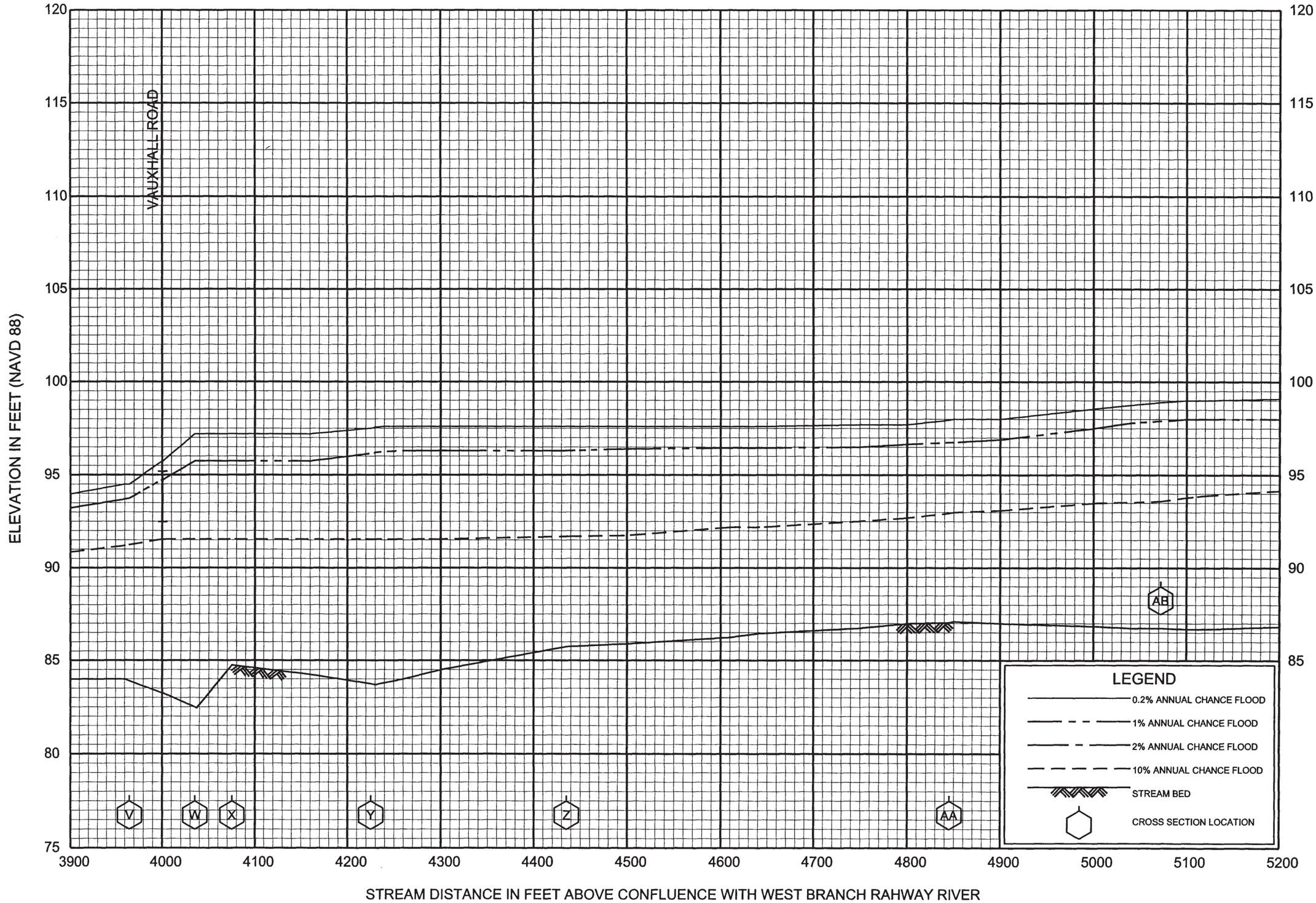
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



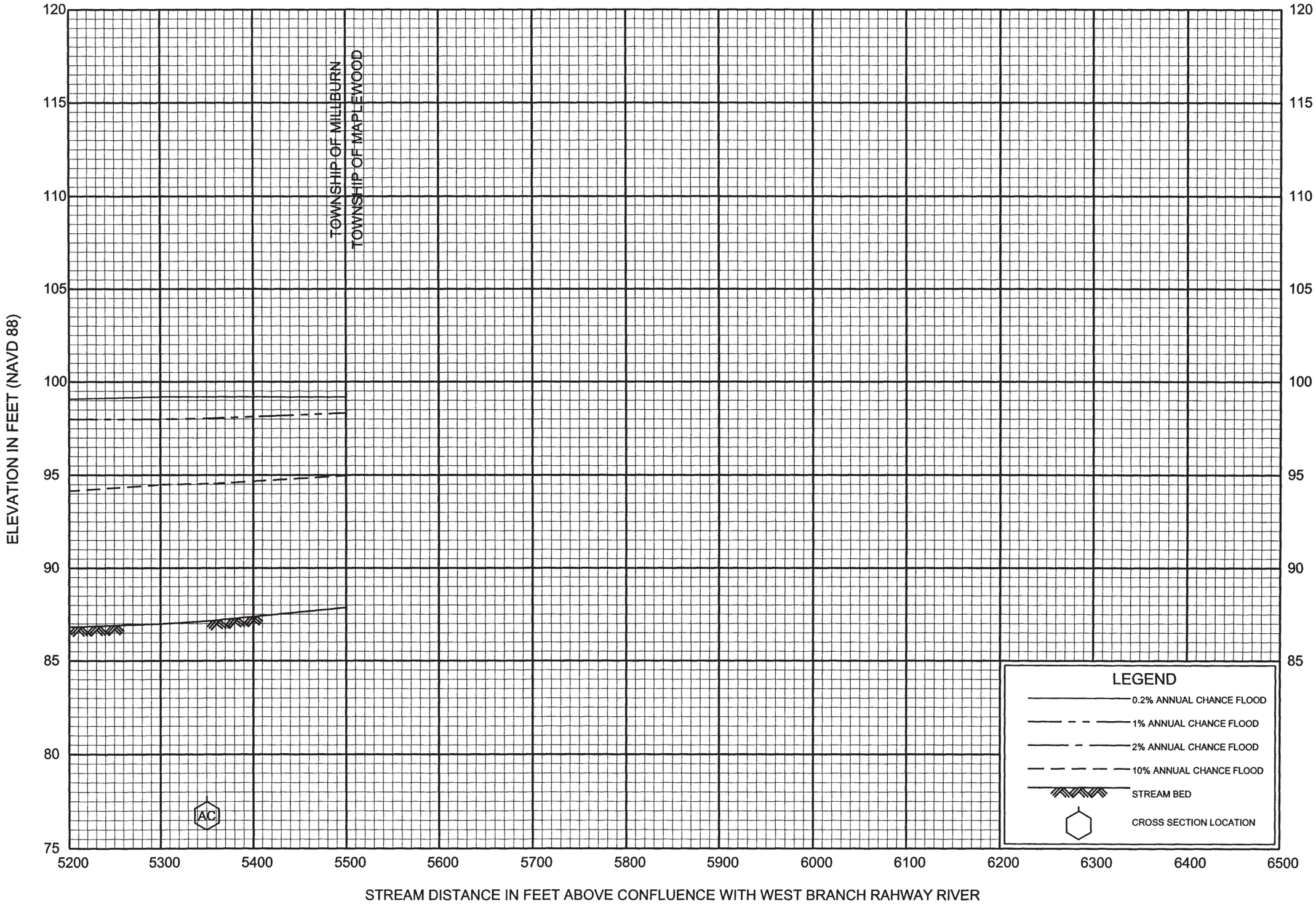
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



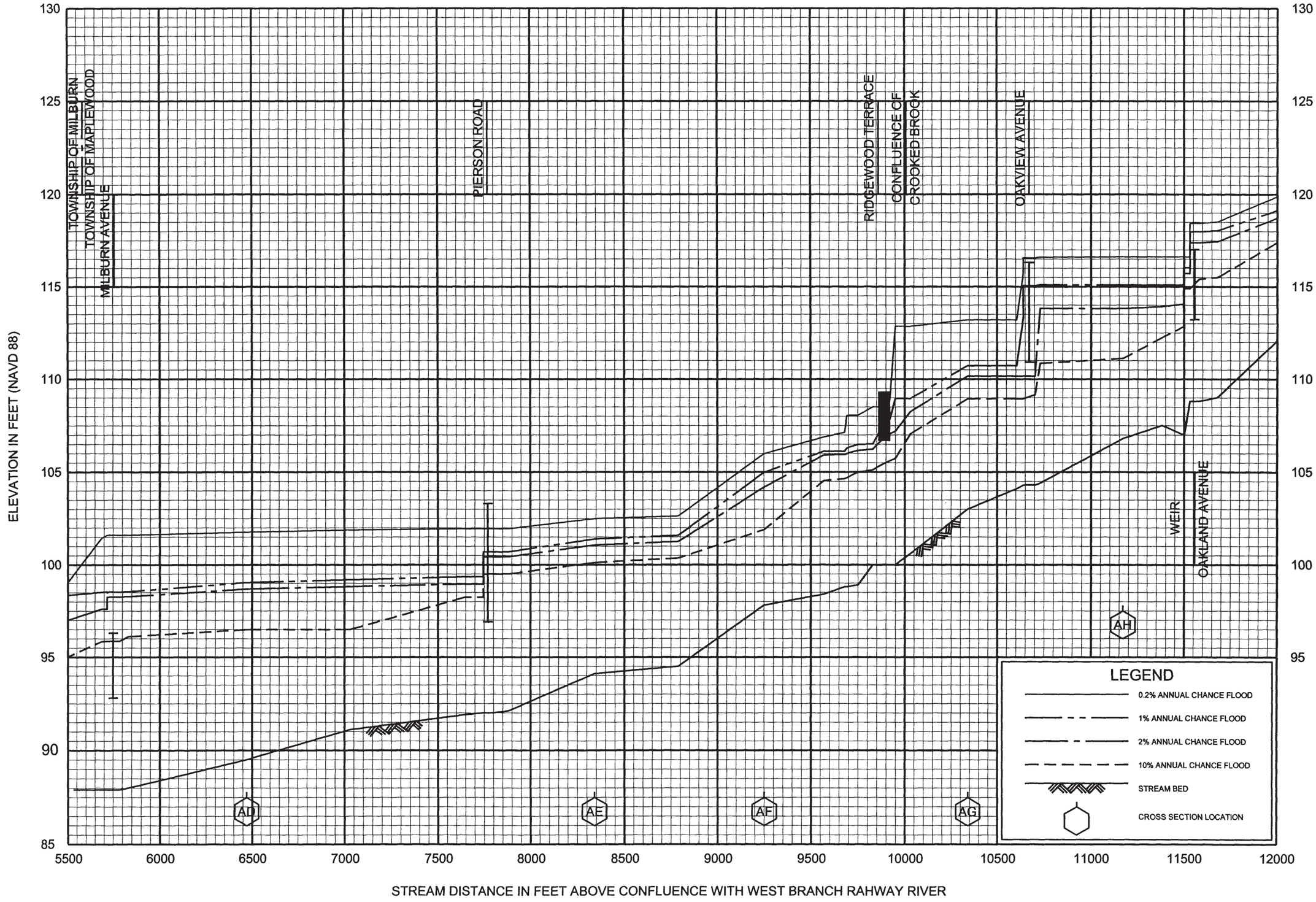
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



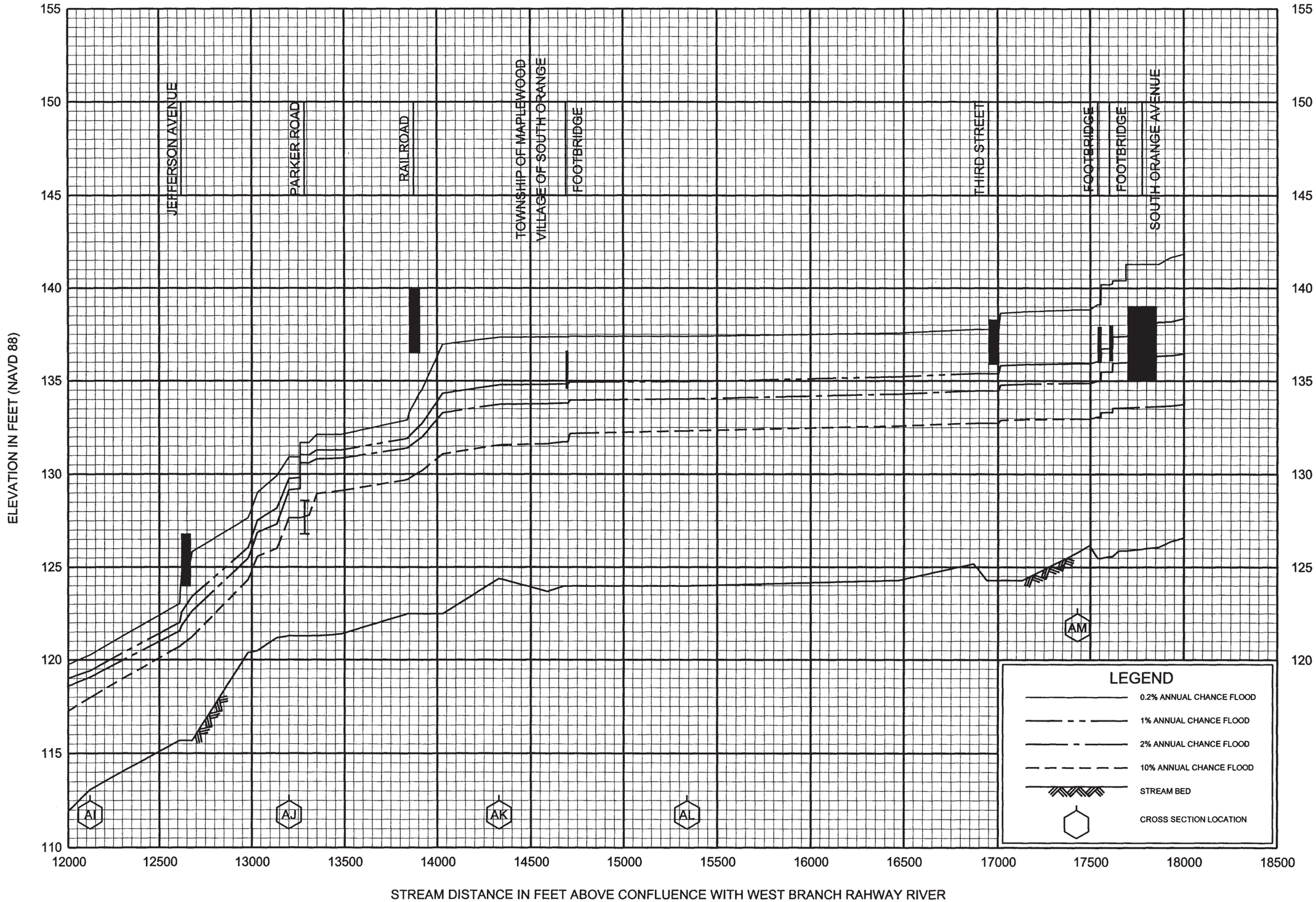
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



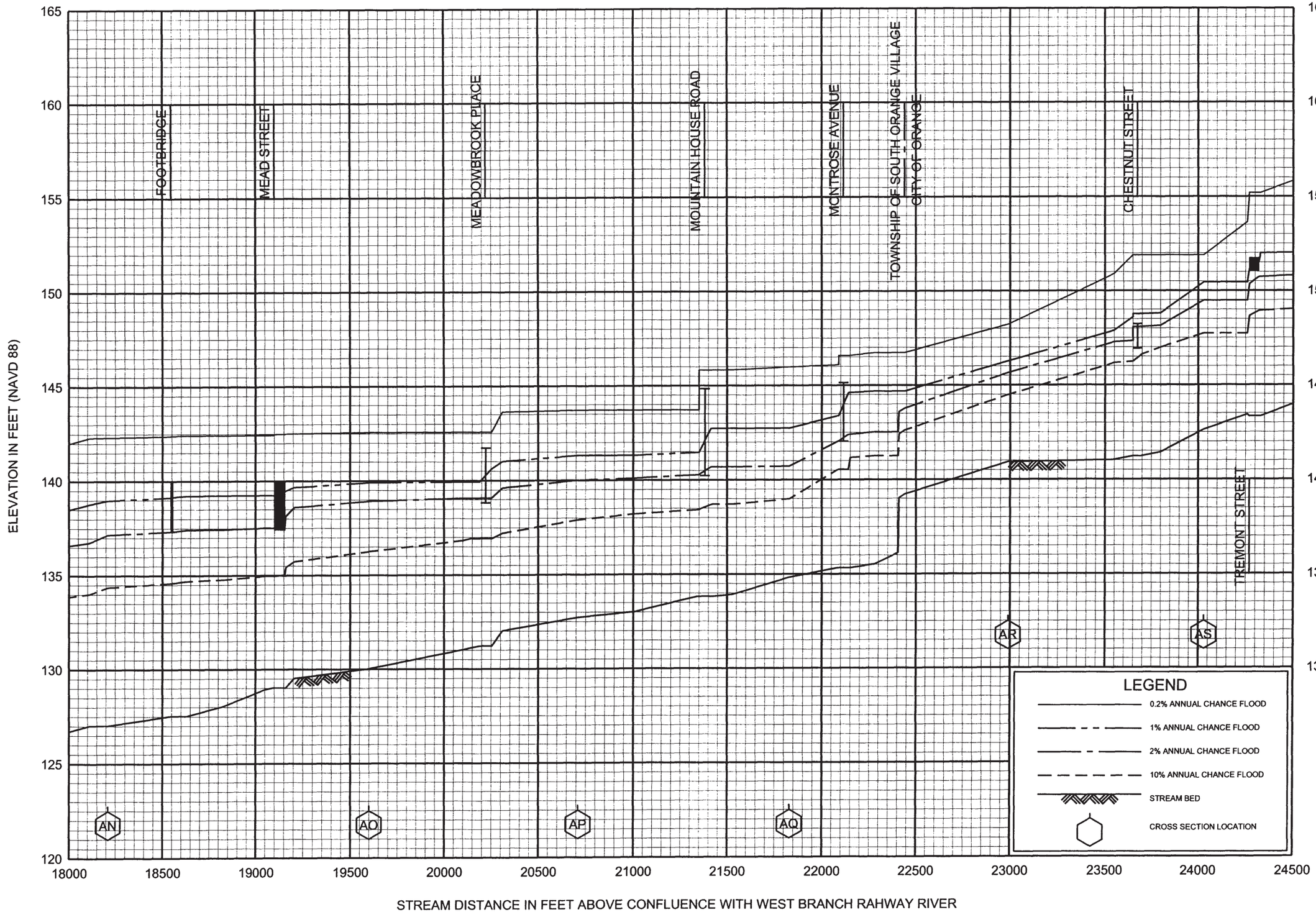
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

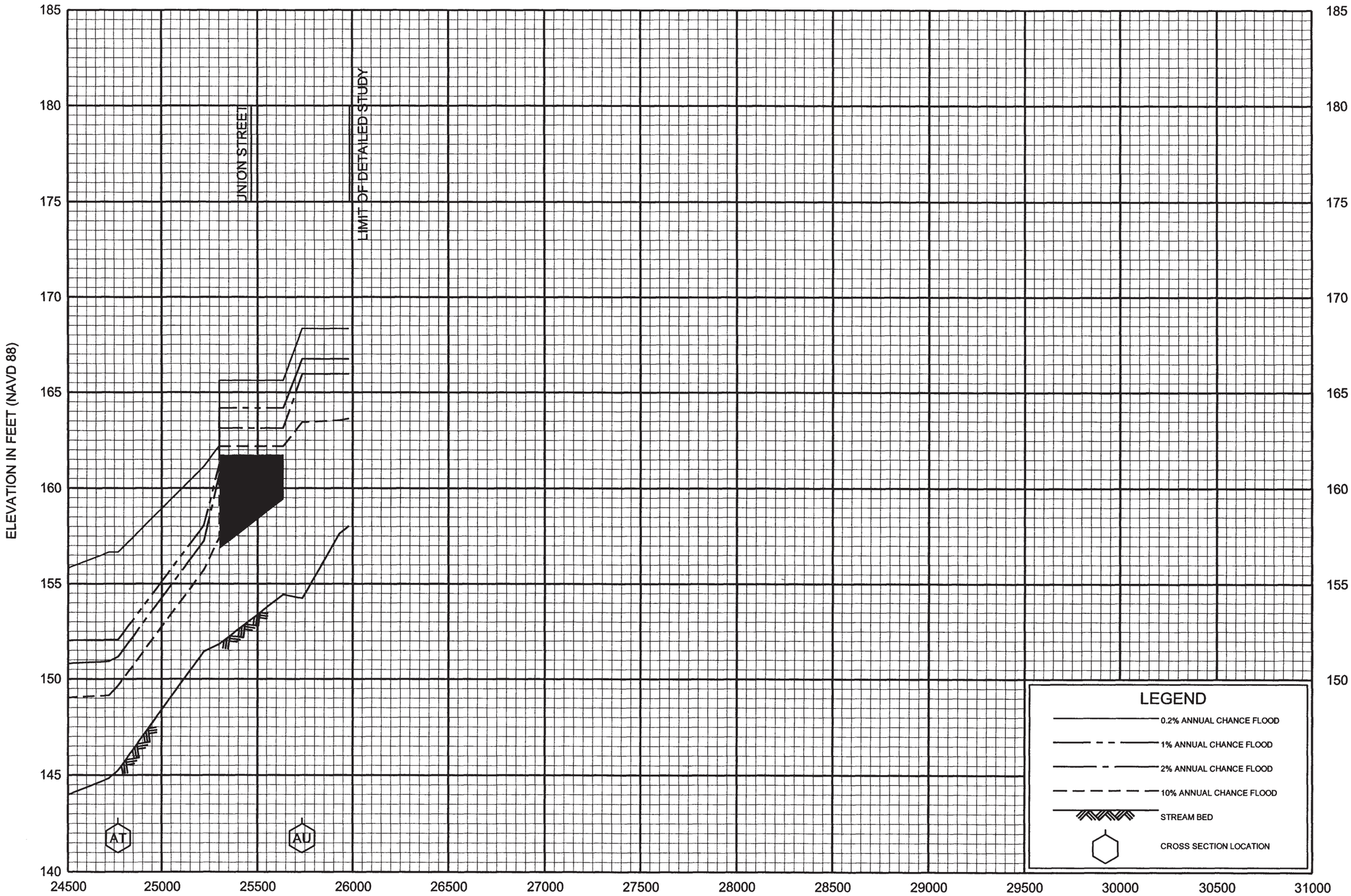
EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

129P



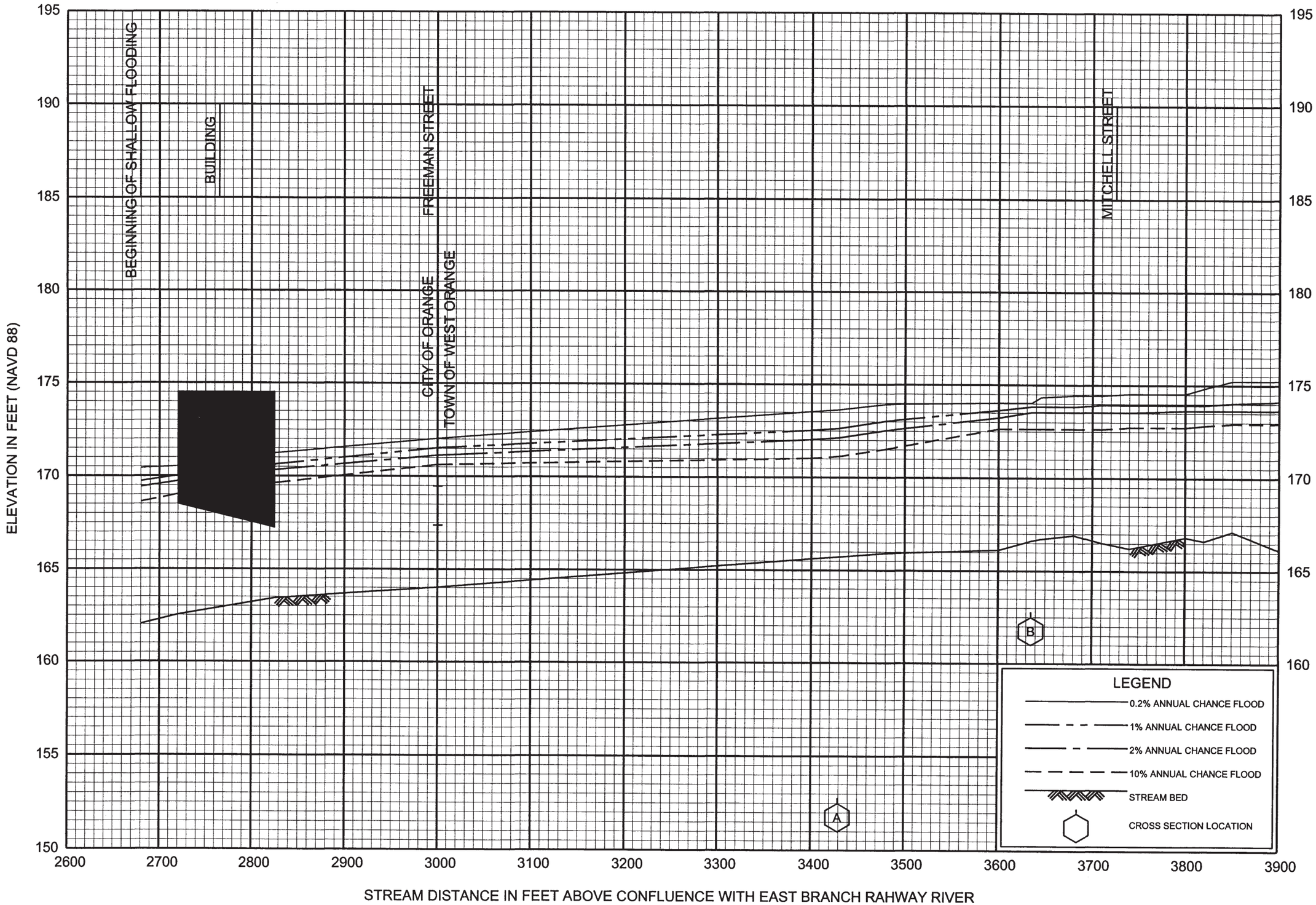
FLOOD PROFILES

EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



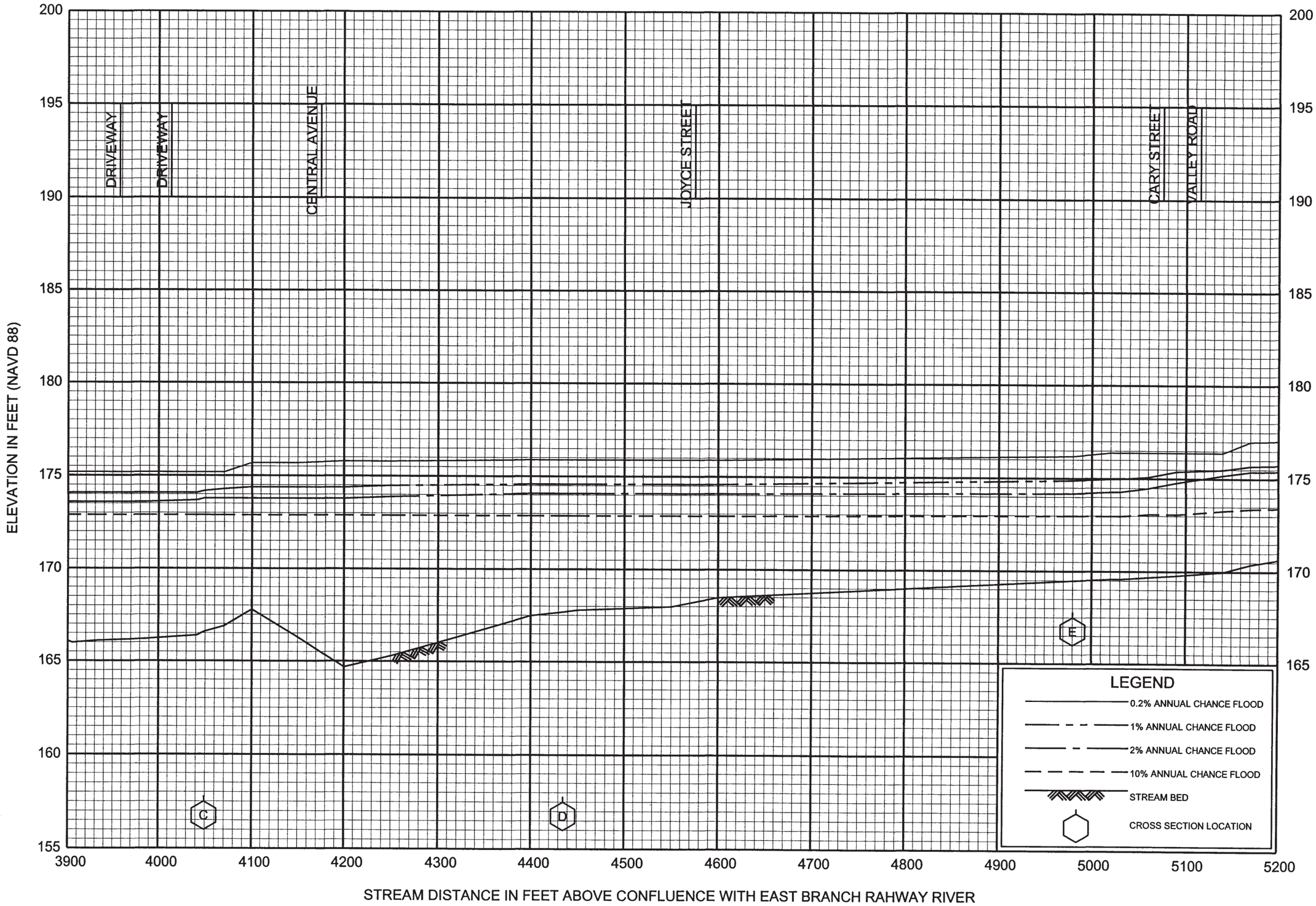
FLOOD PROFILES

EAST FORK OF EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



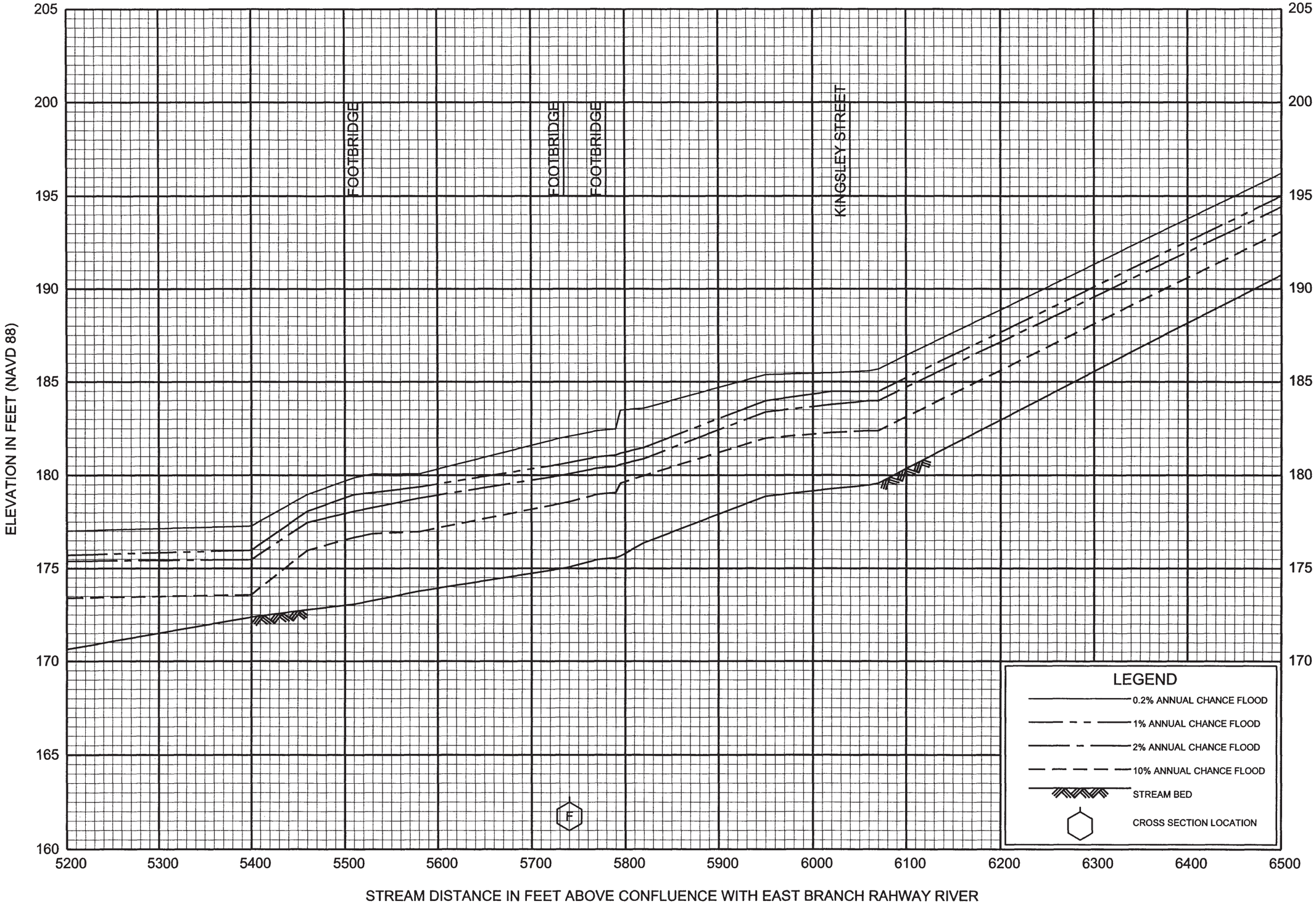
FLOOD PROFILES

EAST FORK OF EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



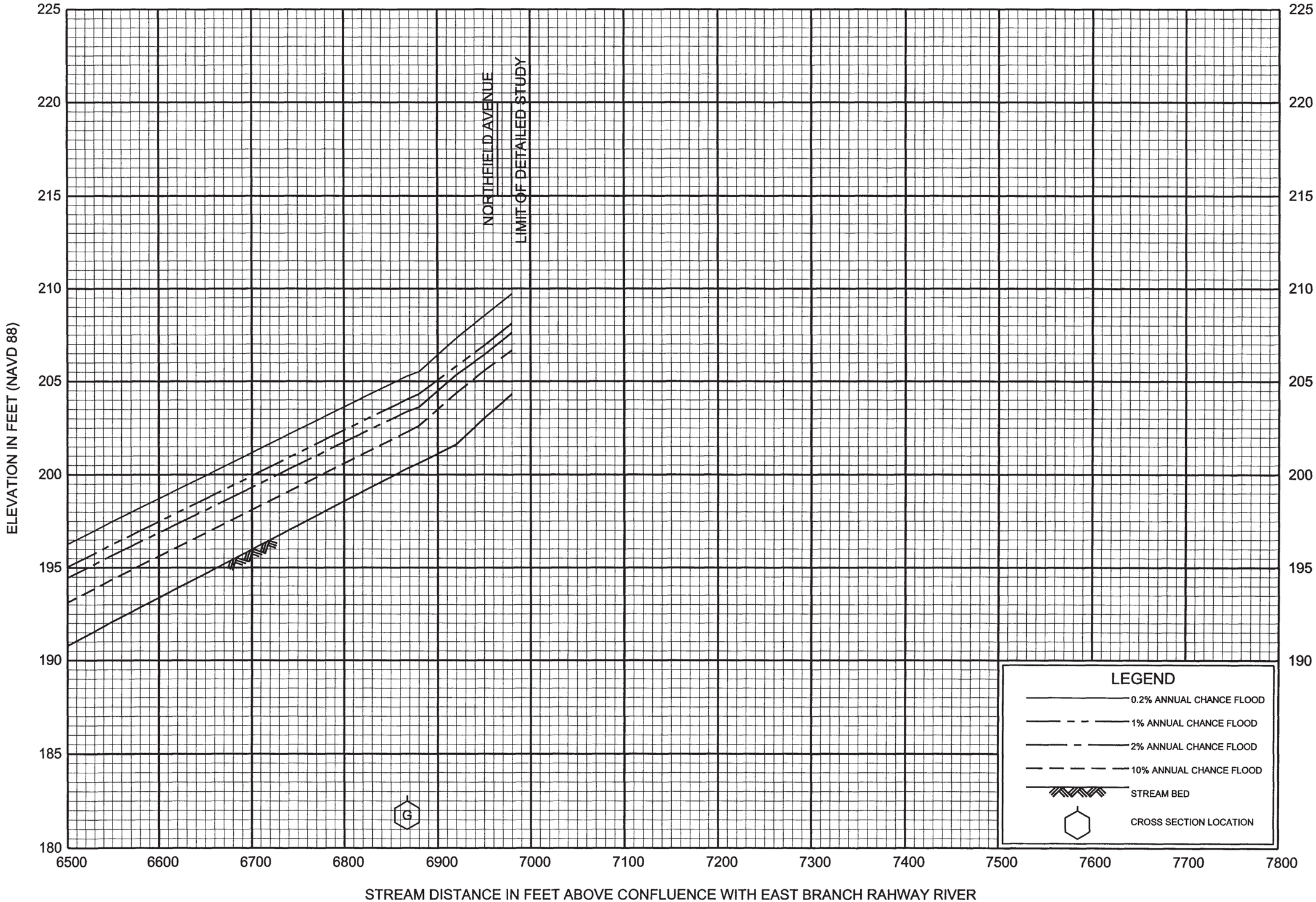
FLOOD PROFILES

EAST FORK OF EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



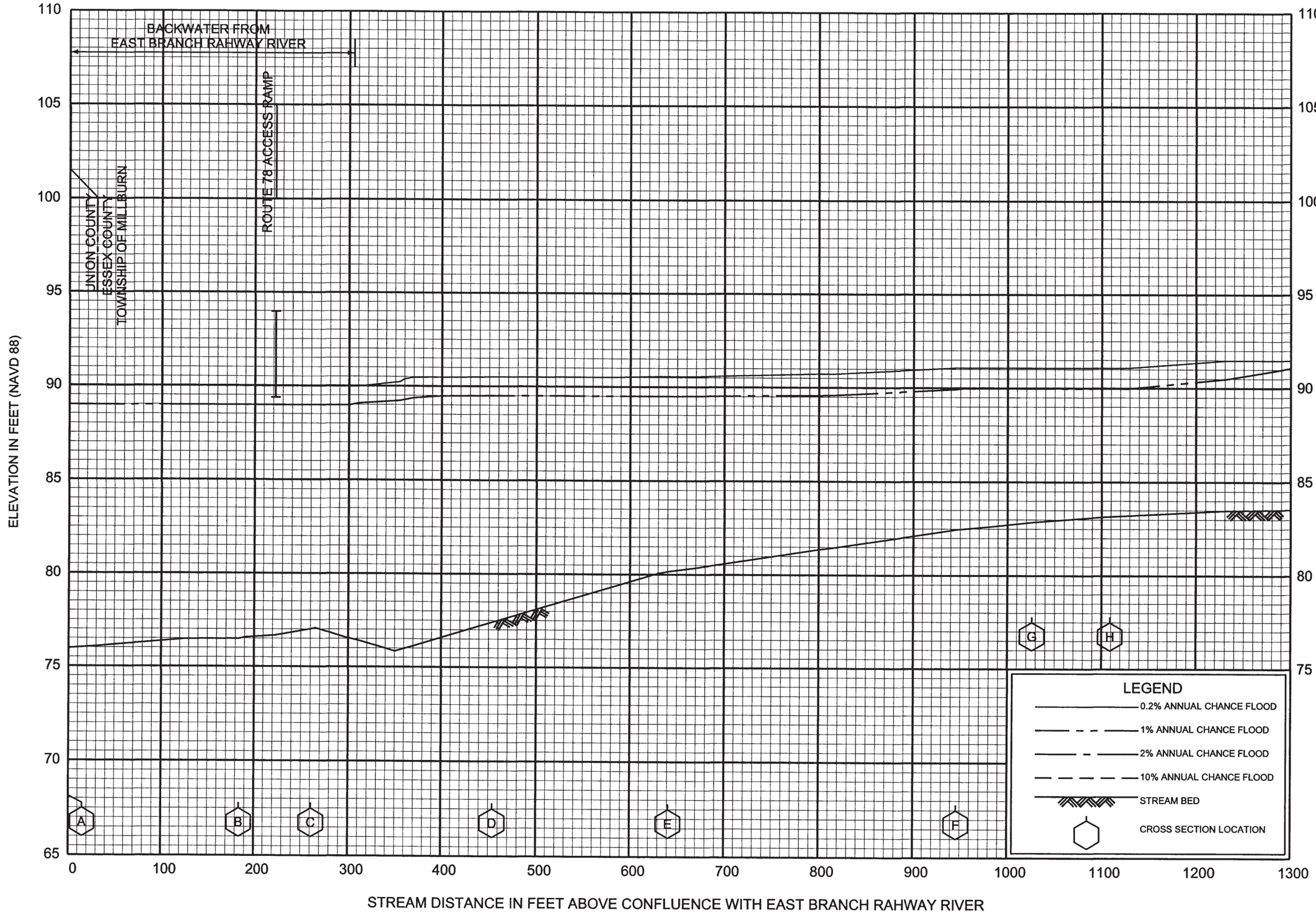
FLOOD PROFILES

EAST FORK OF EAST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



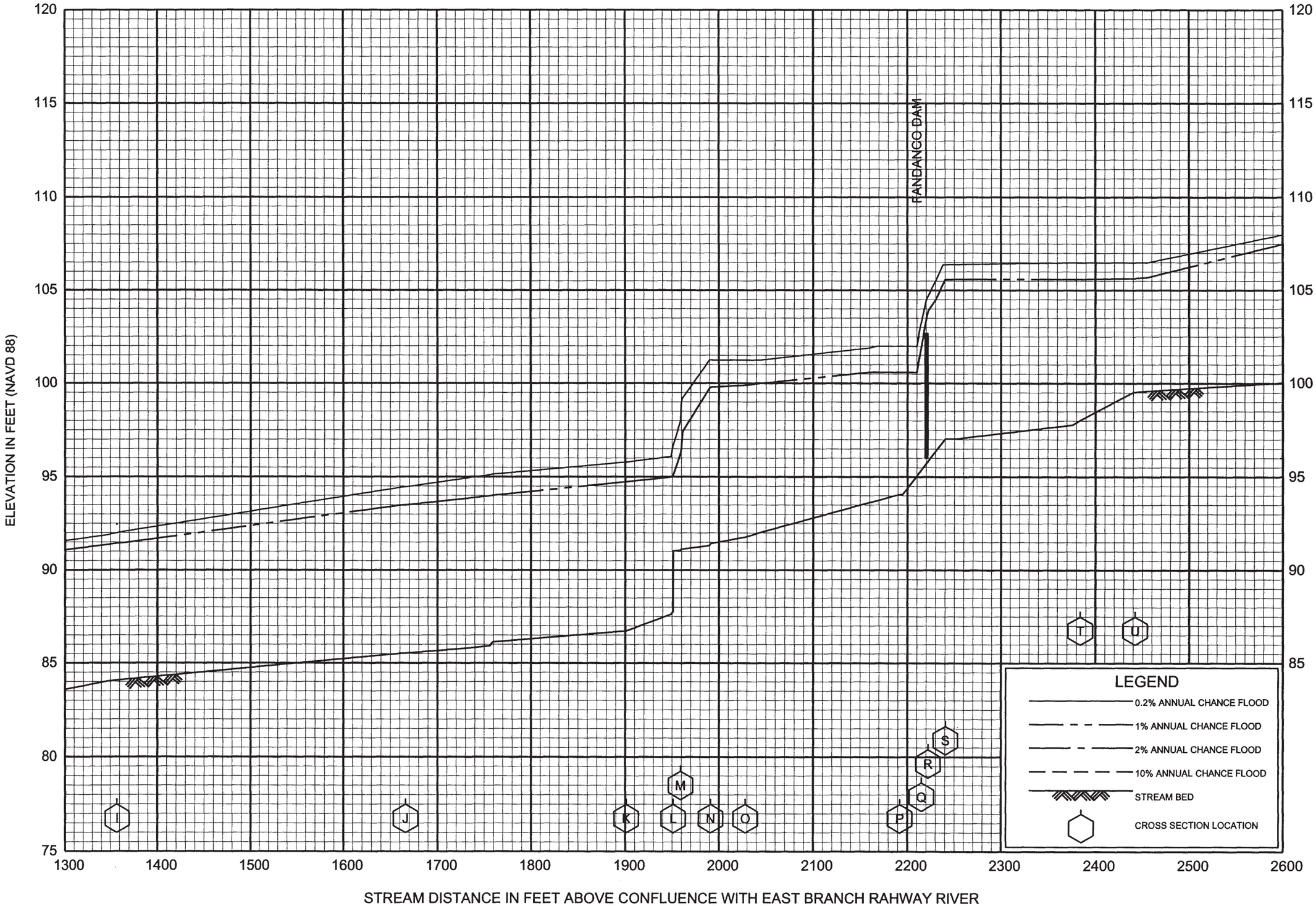
FLOOD PROFILES

WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

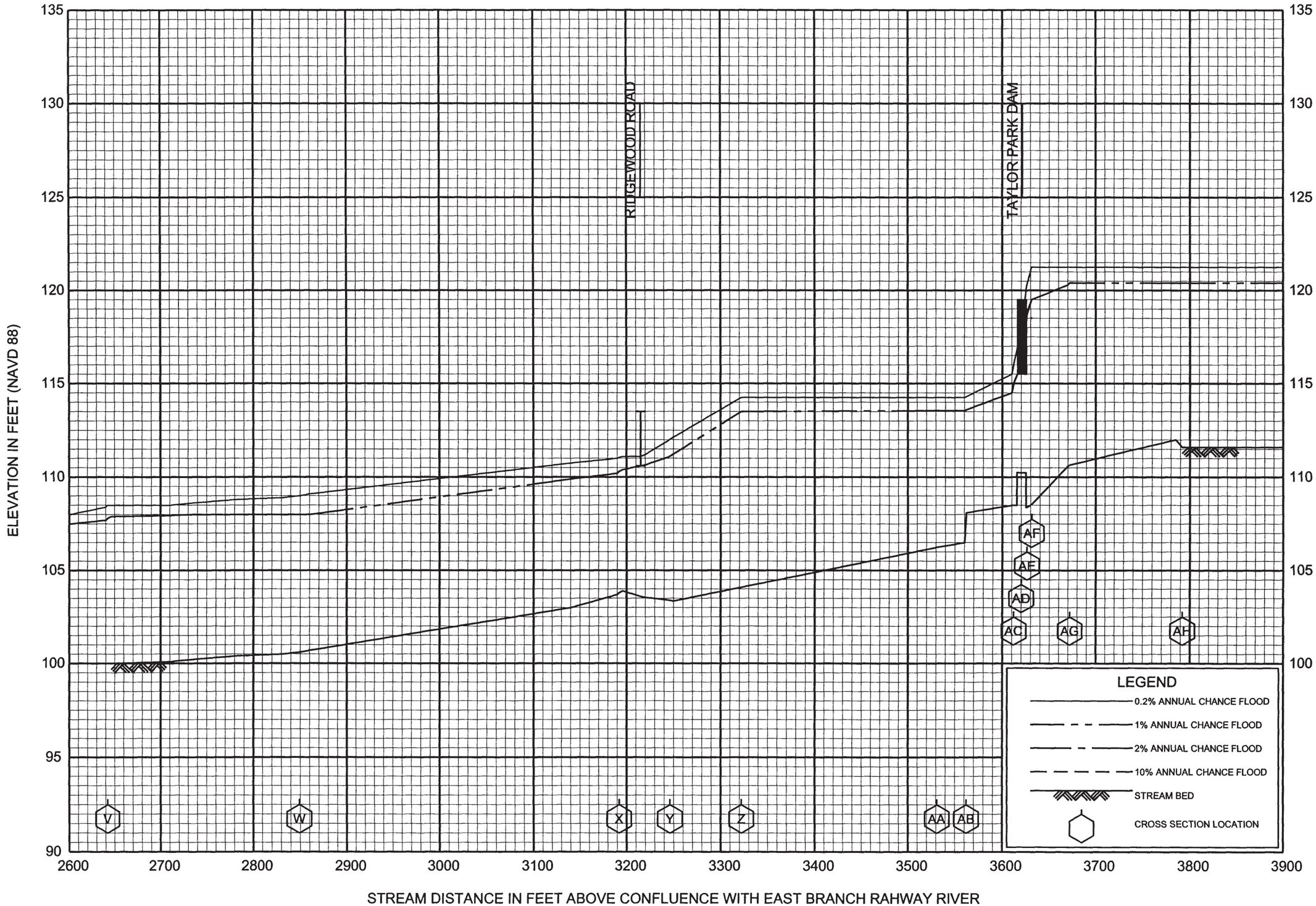
WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

136P



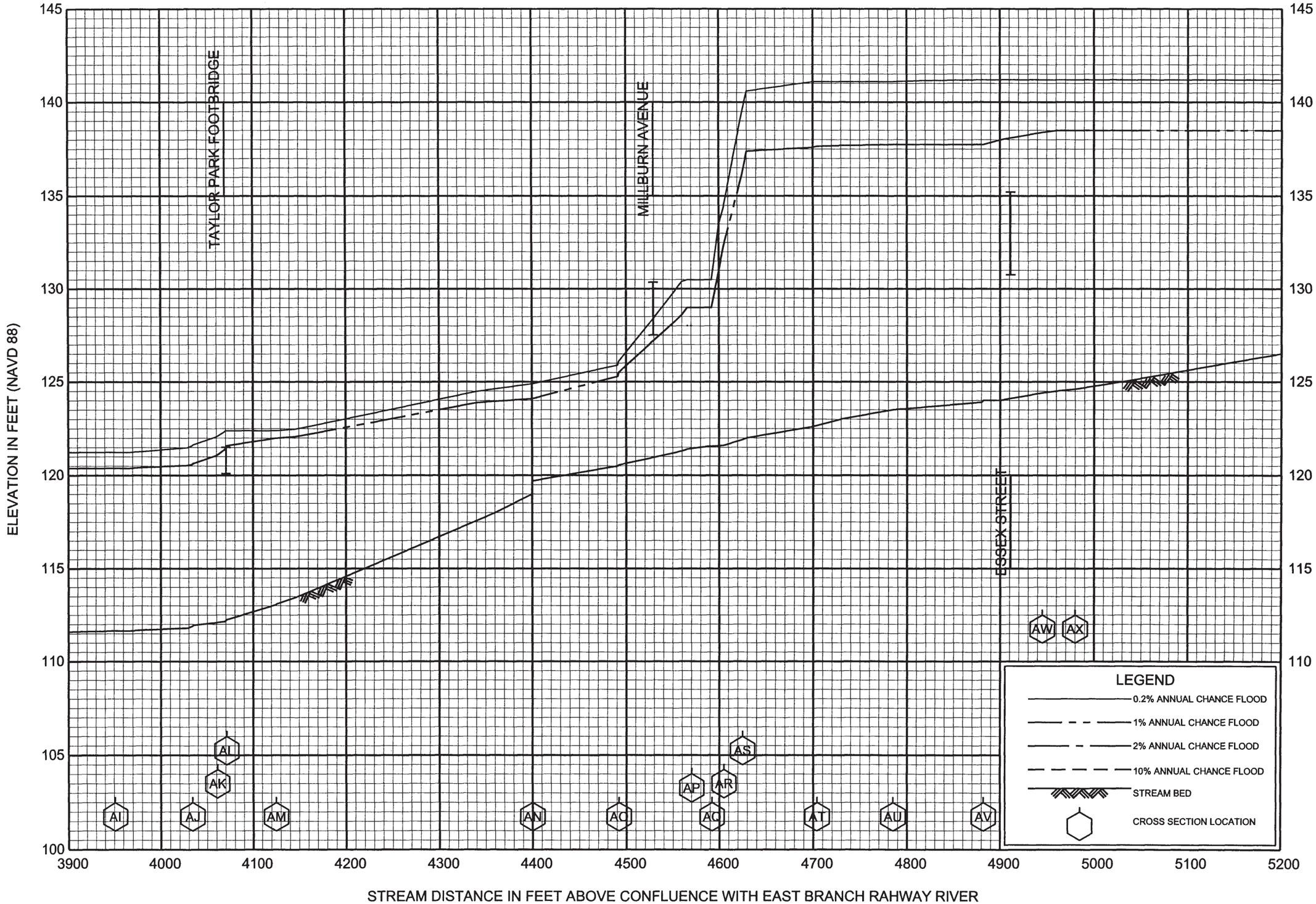
FLOOD PROFILES

WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

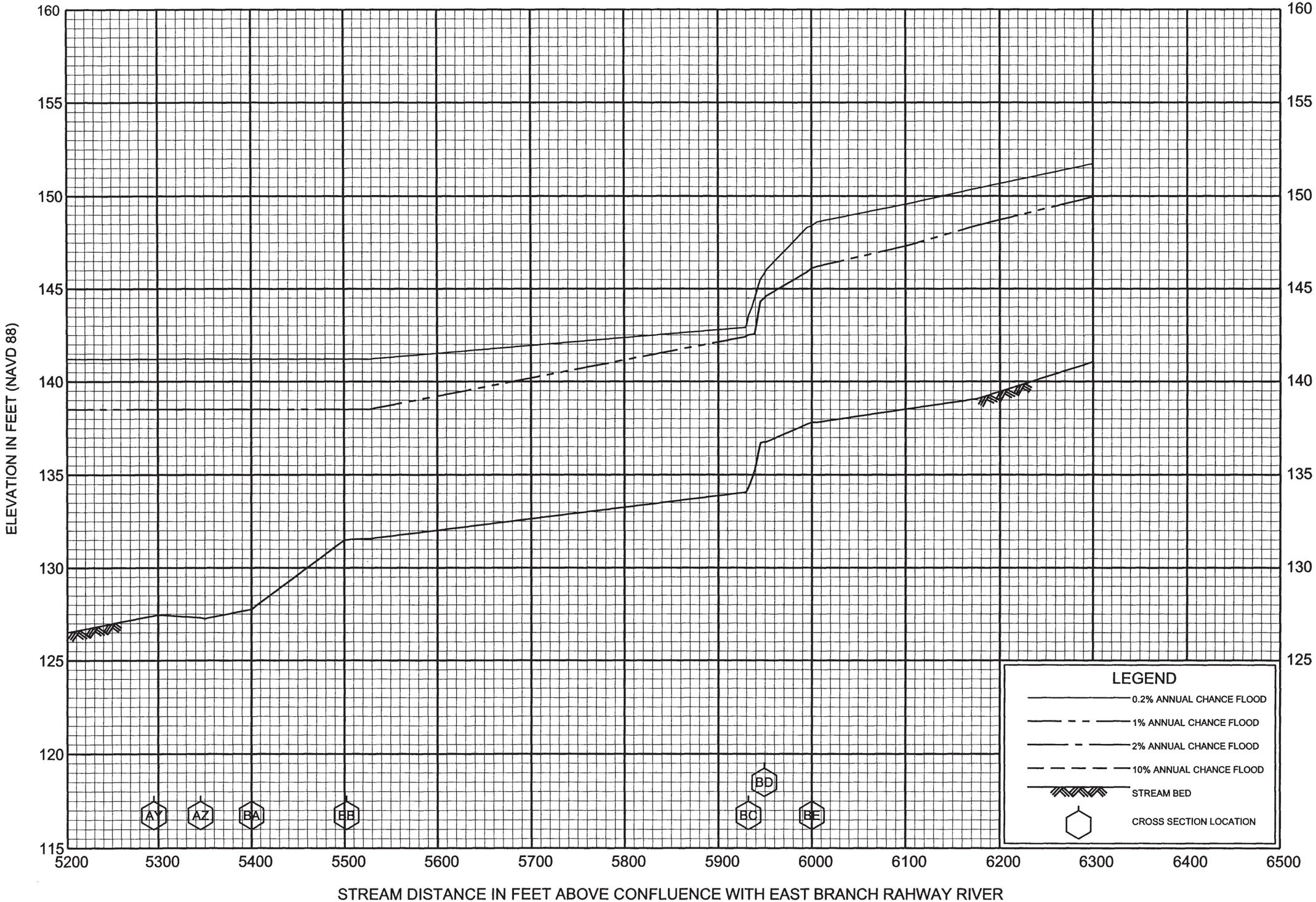
WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

138P



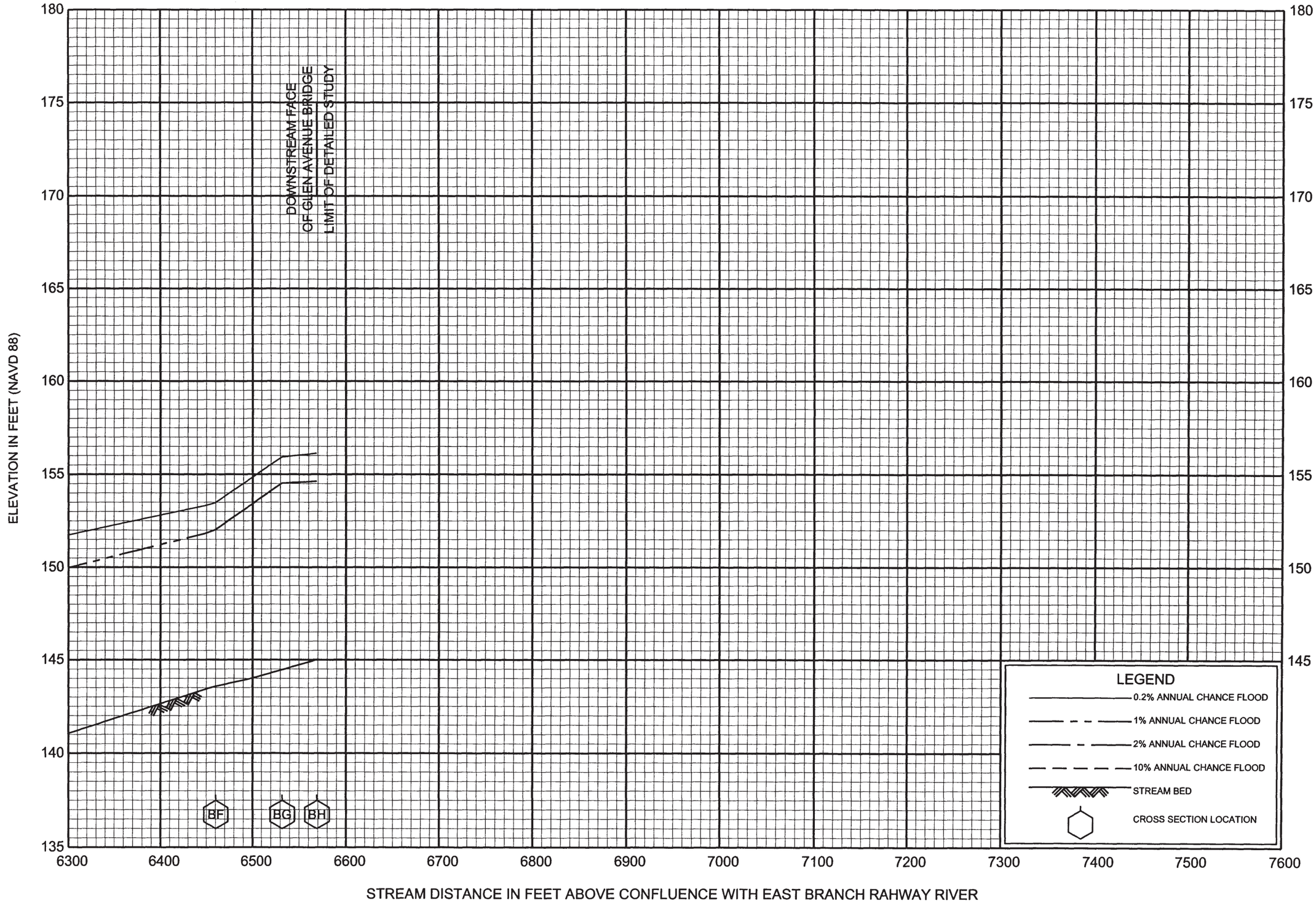
FLOOD PROFILES

WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



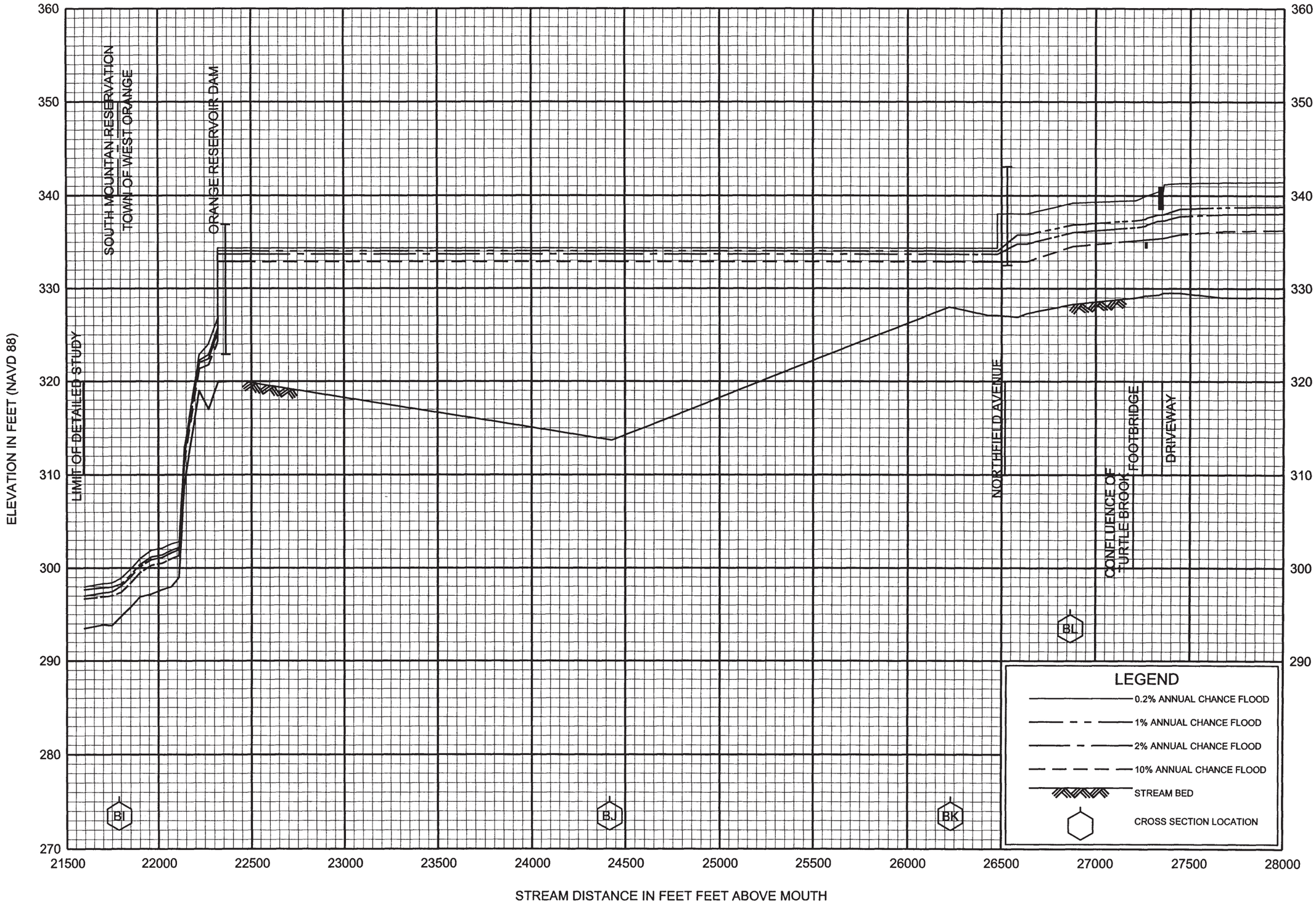
FLOOD PROFILES

WEST BRANCH RAHWAY RIVER (DOWNSTREAM)

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

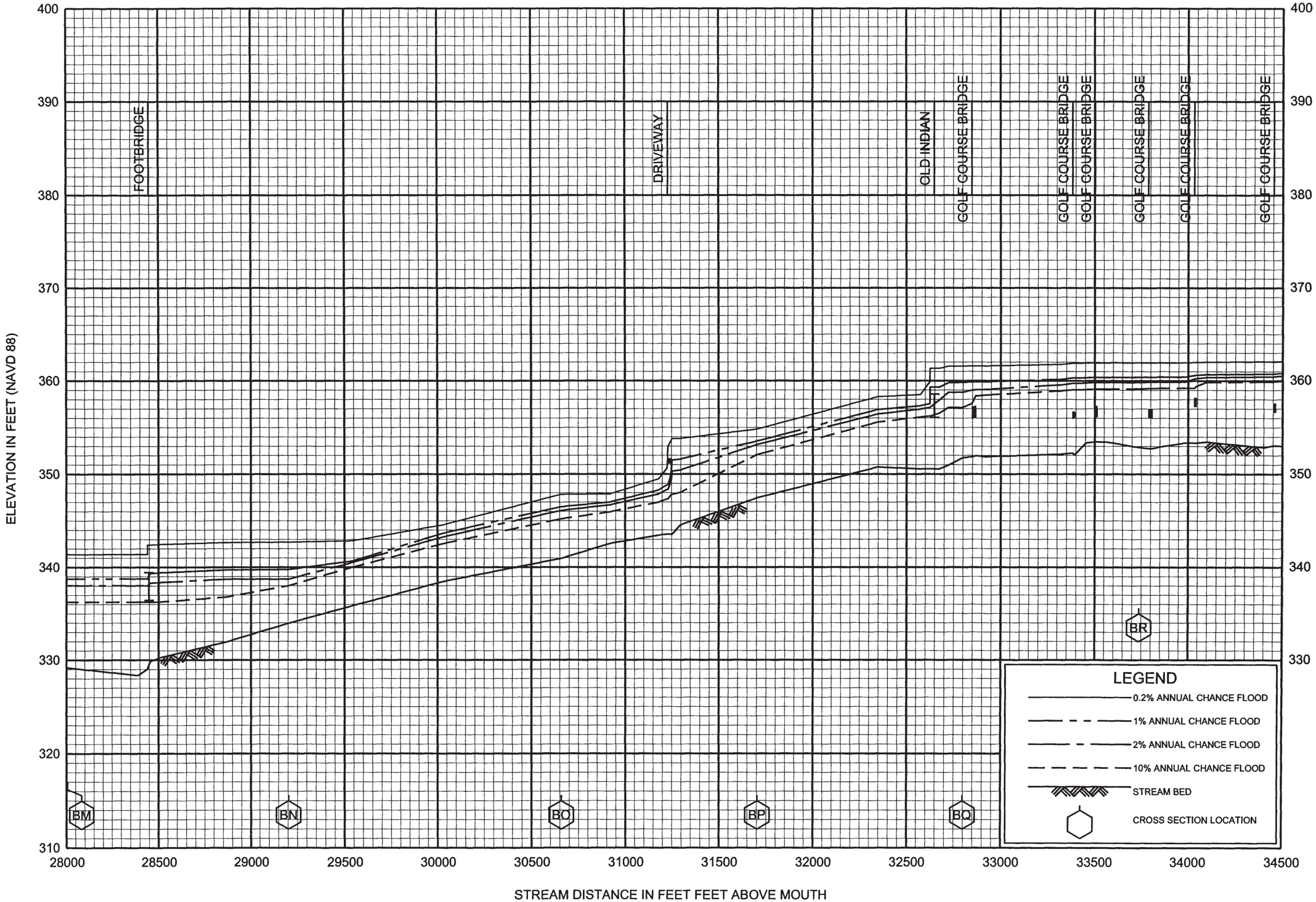
WEST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

141P



FLOOD PROFILES

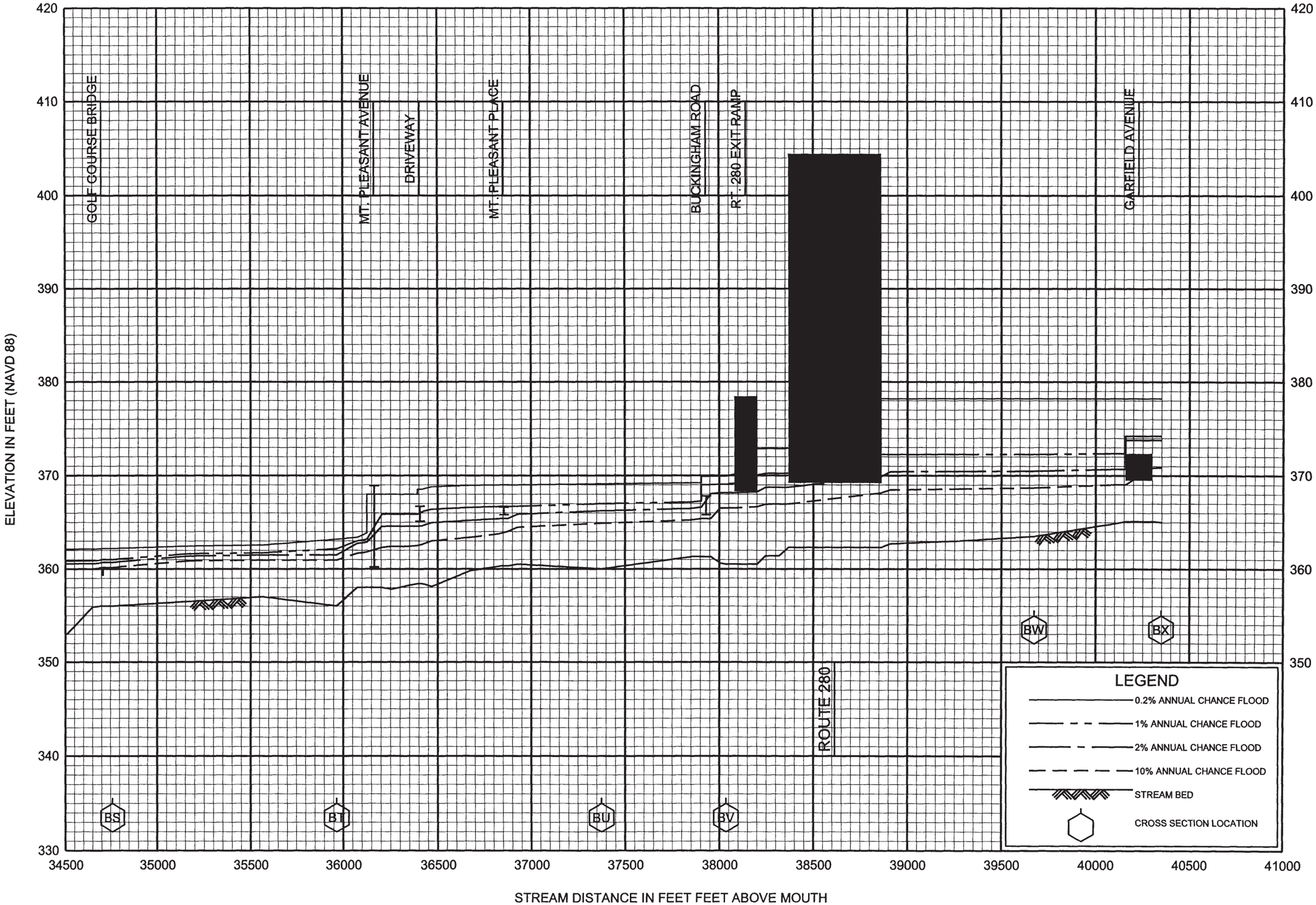
WEST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

142P



FLOOD PROFILES

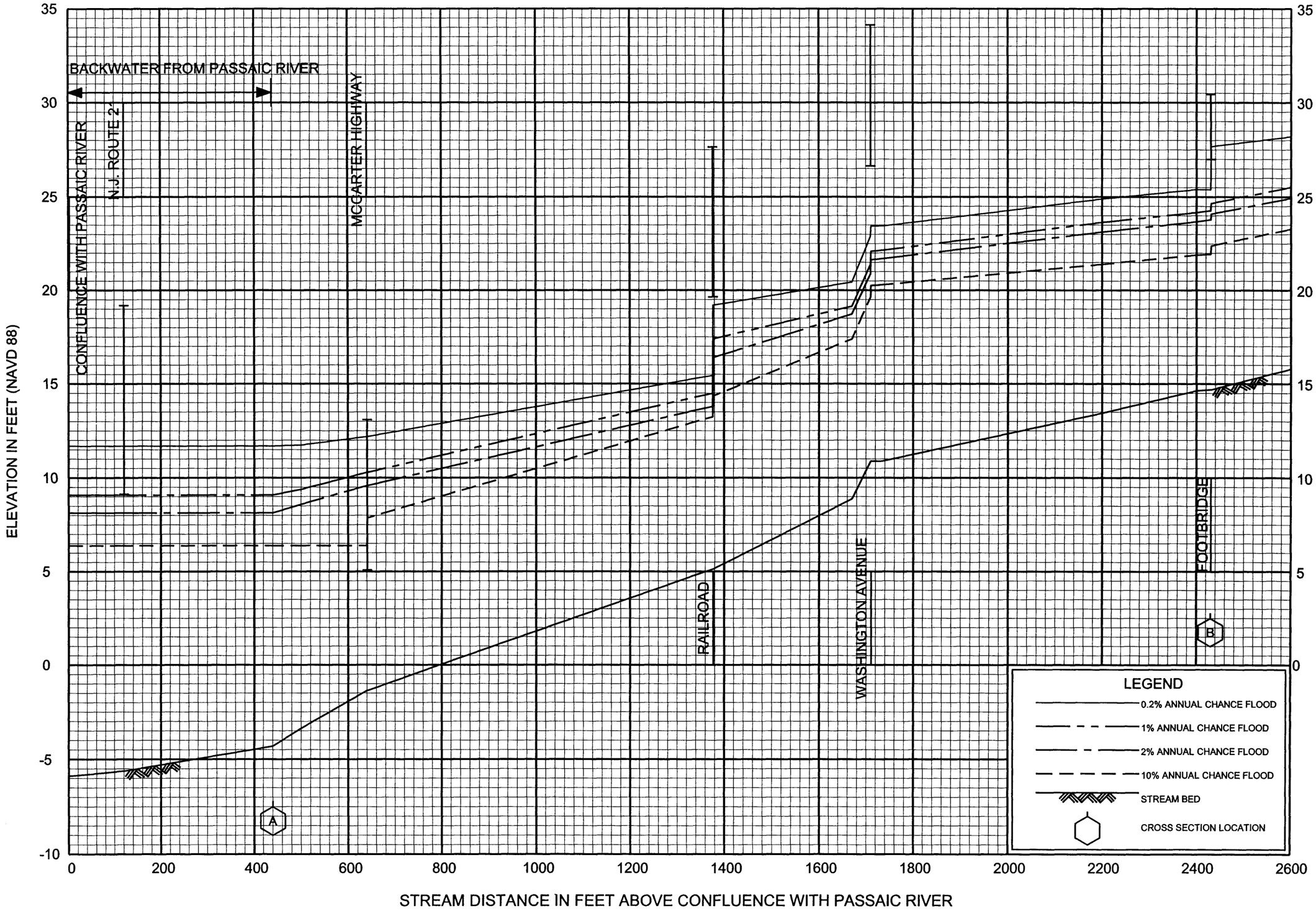
WEST BRANCH RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

143P



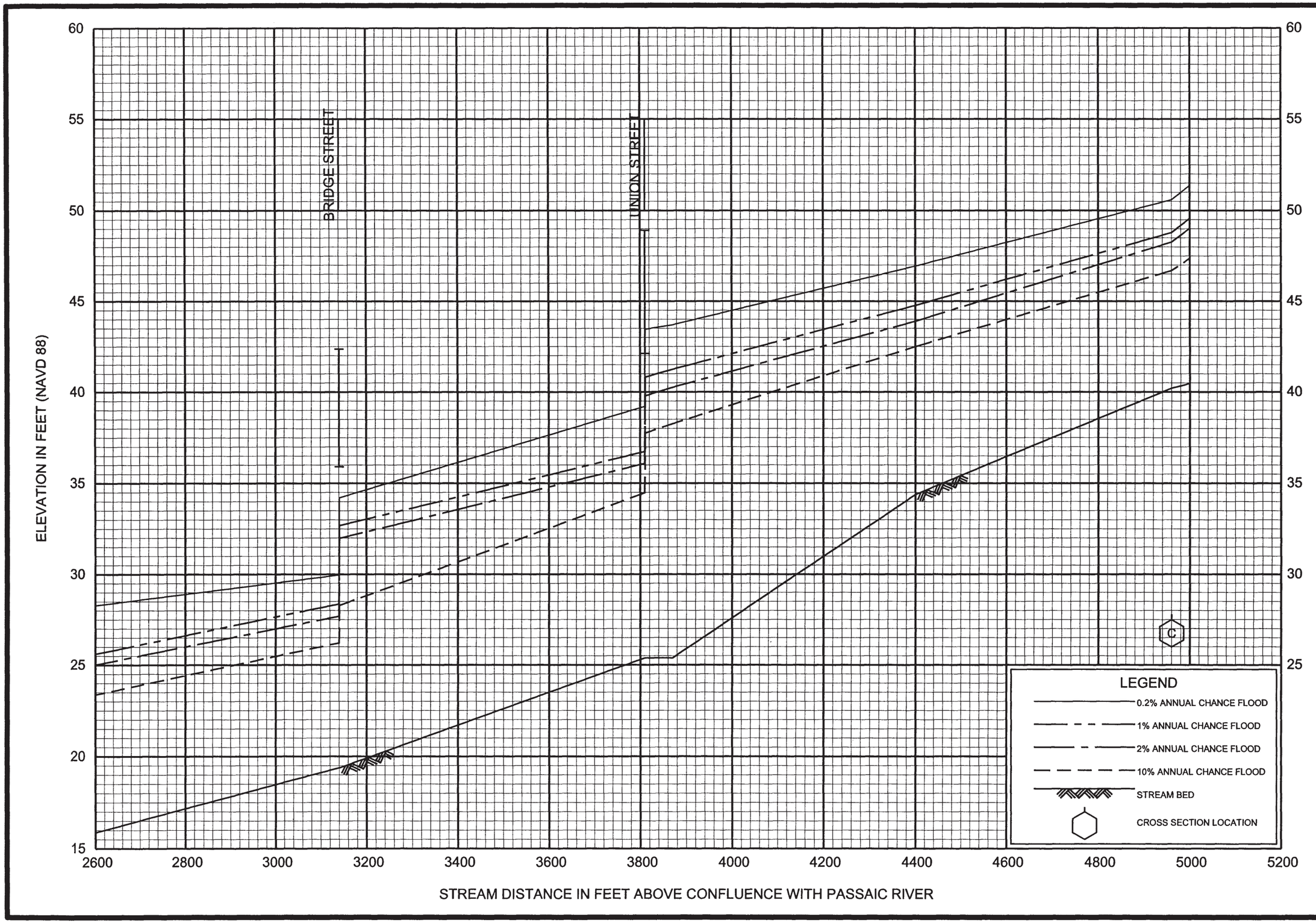
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



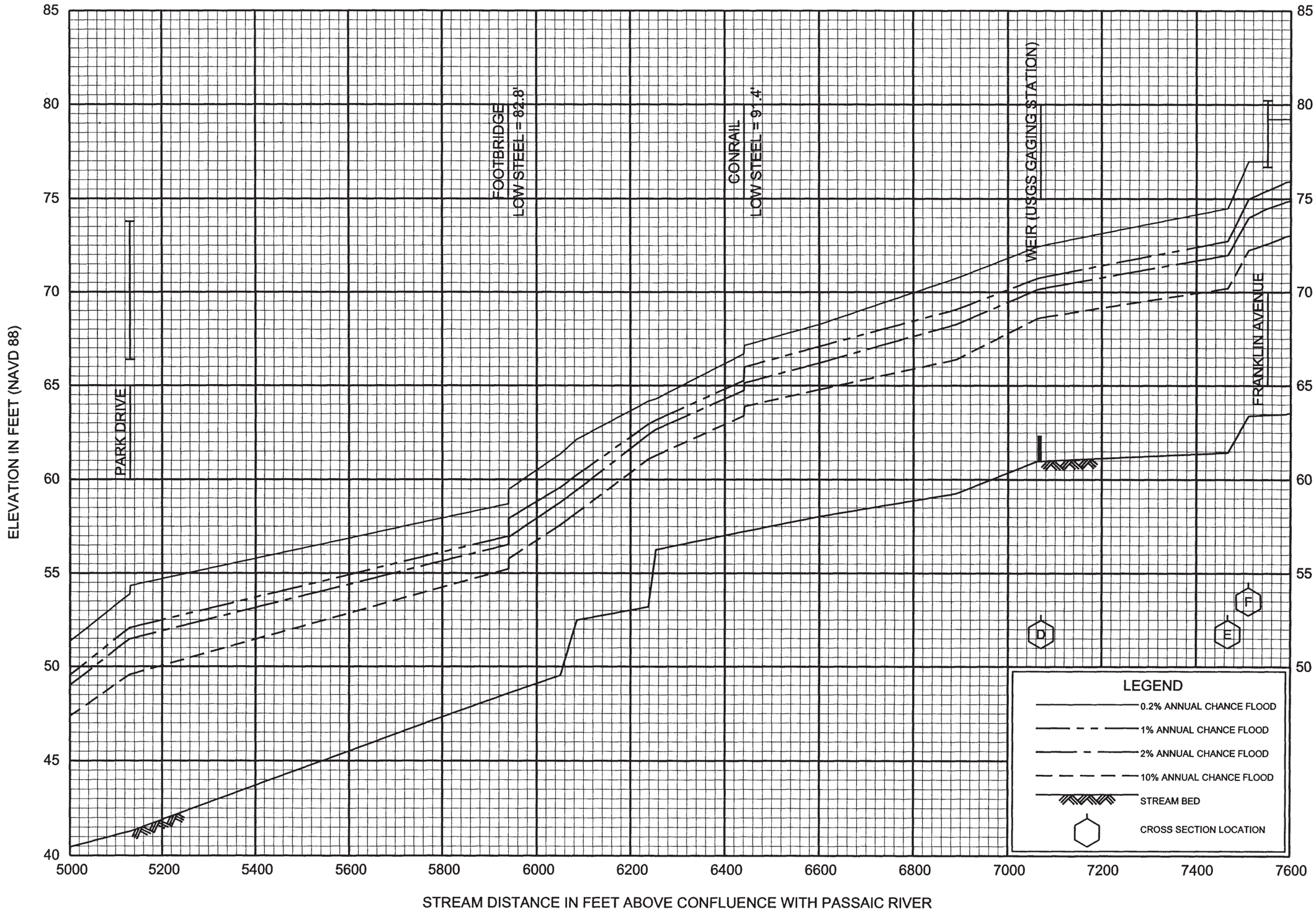
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

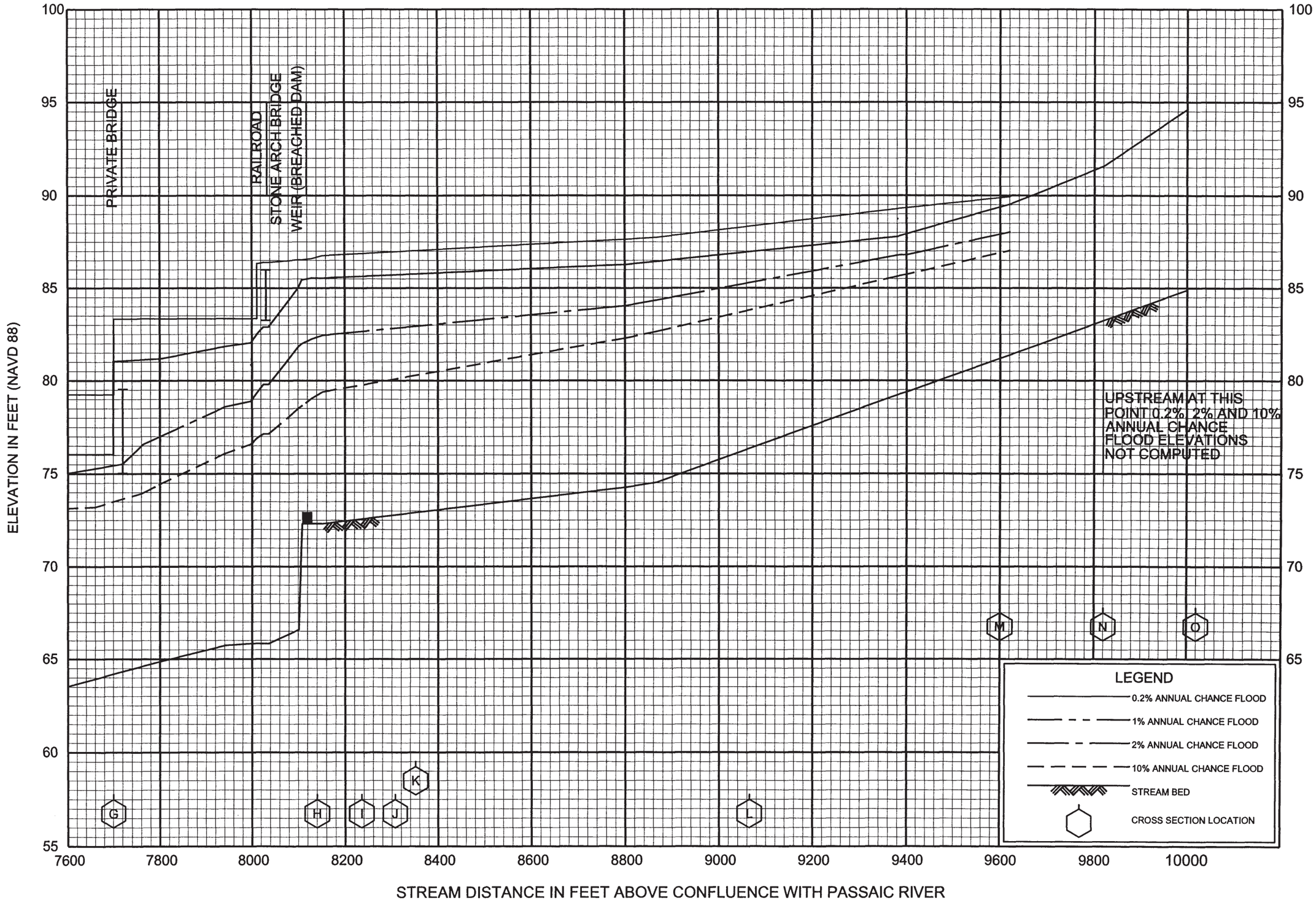
SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

146P



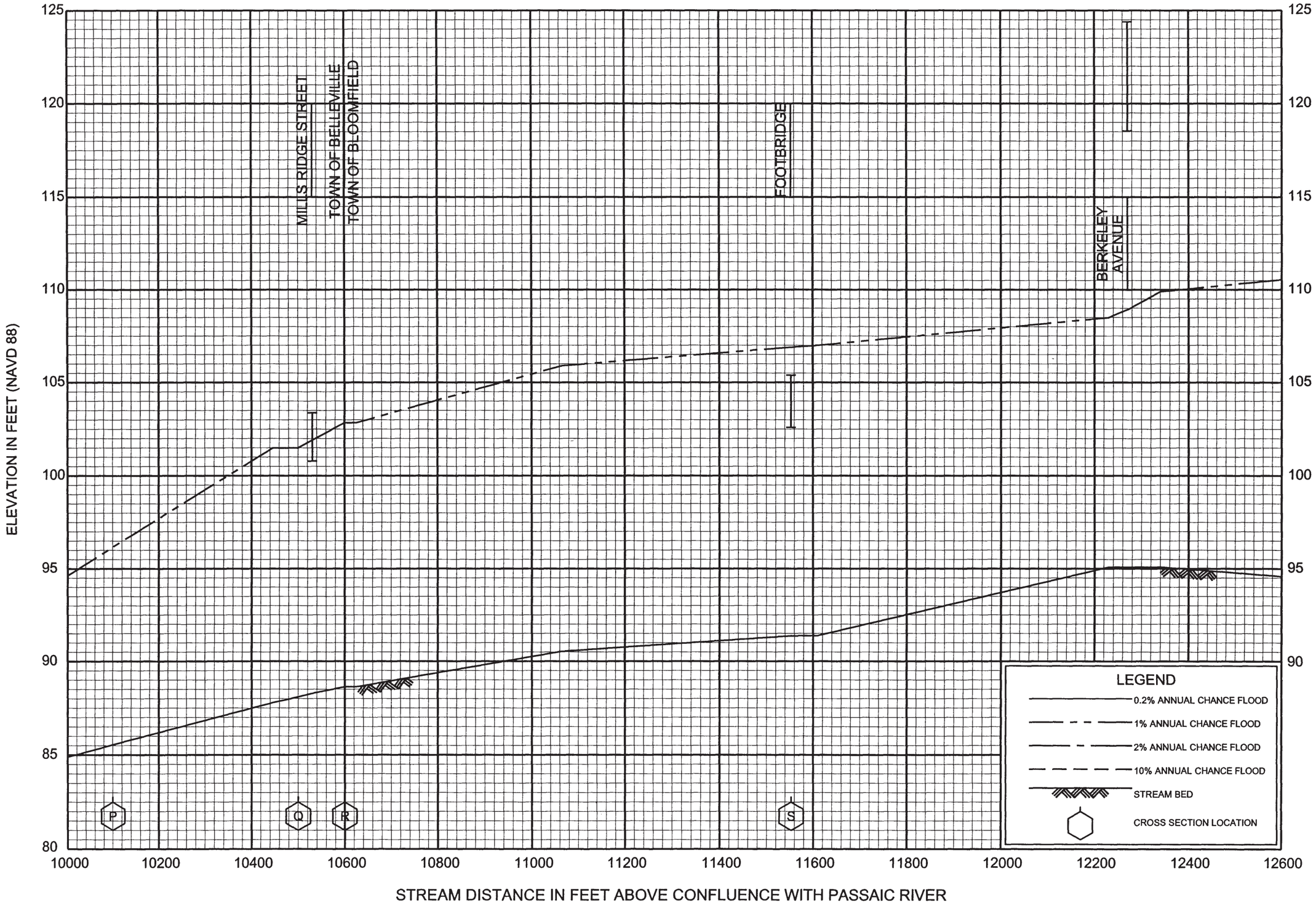
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



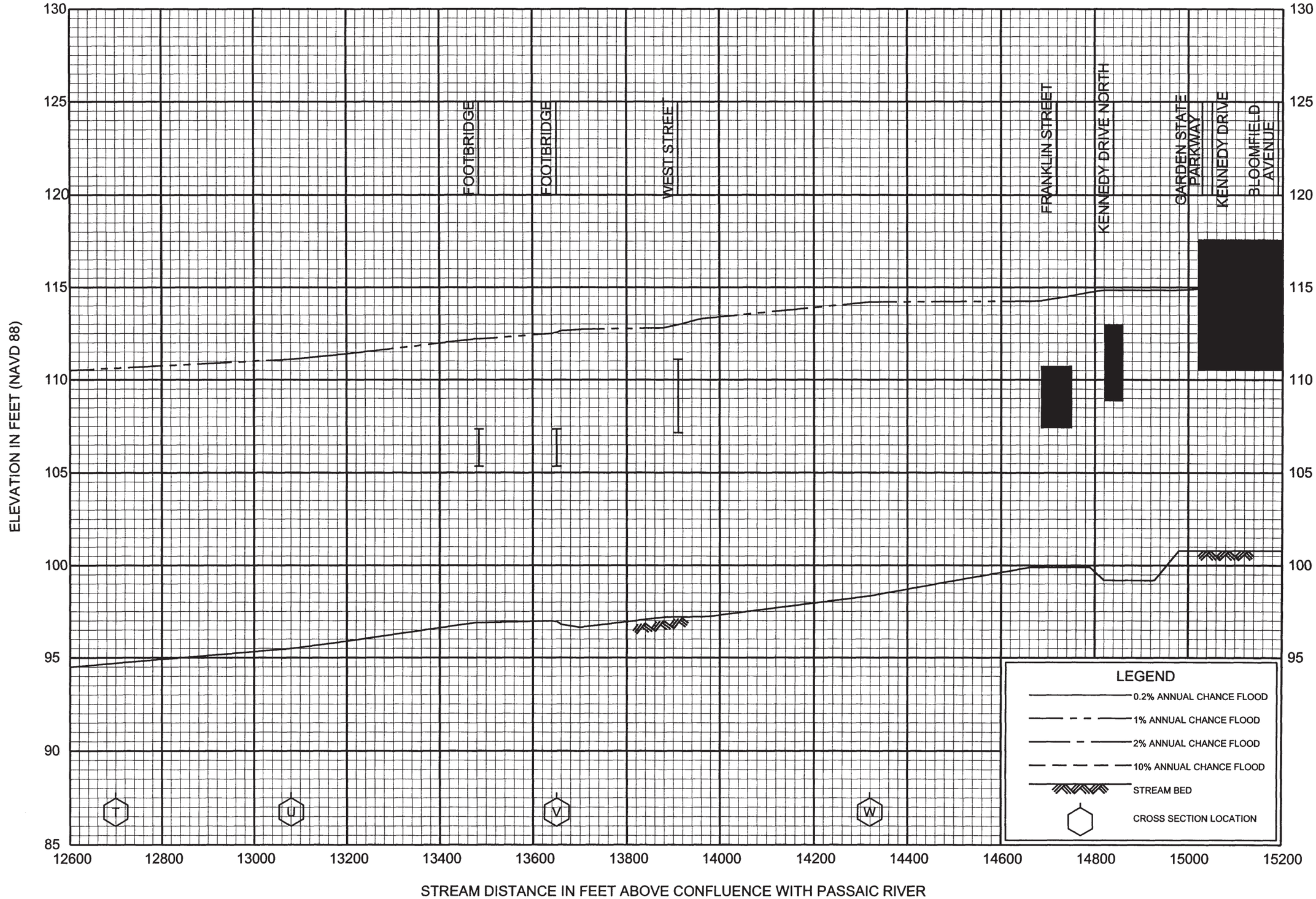
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



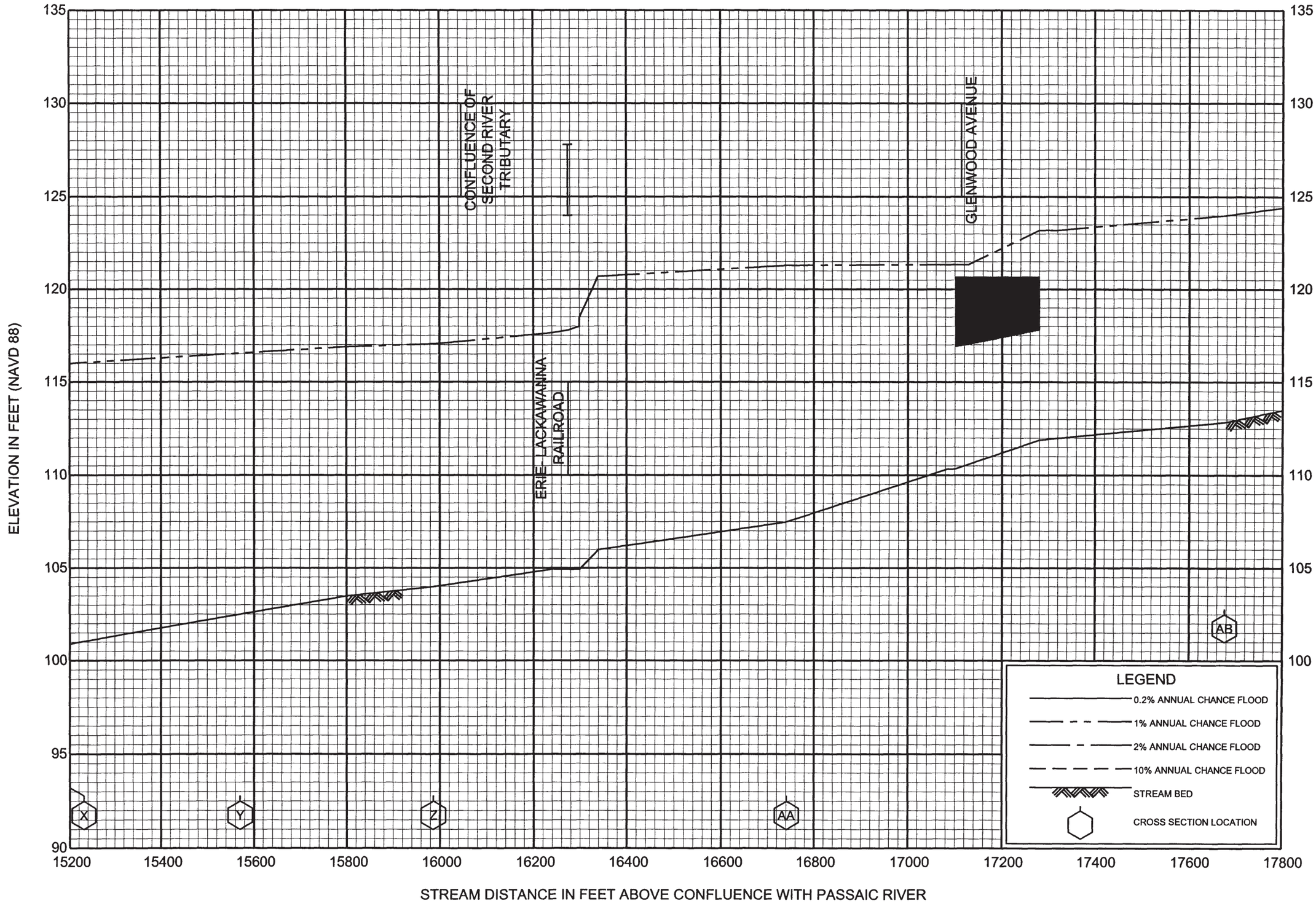
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



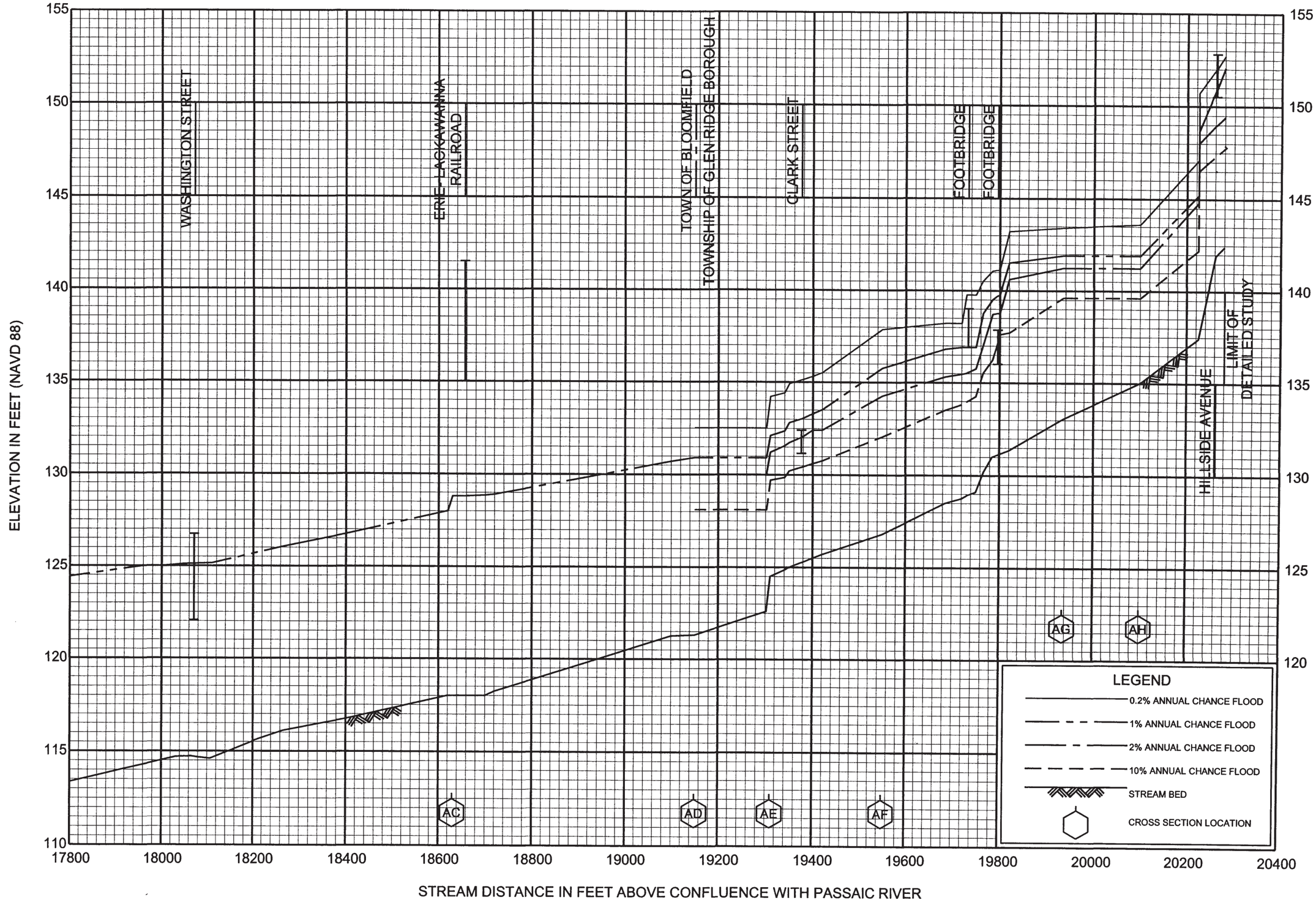
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

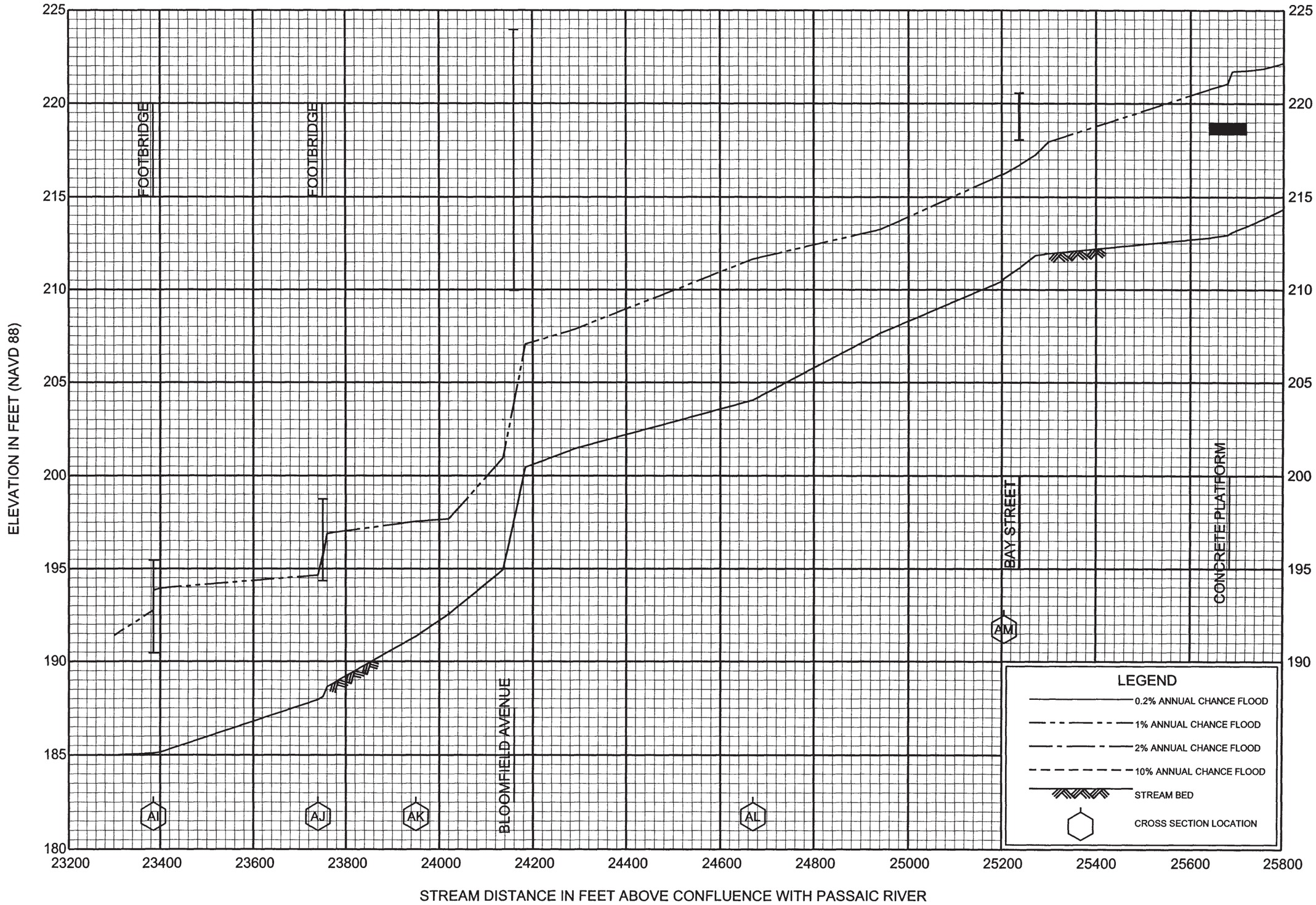
SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

151P



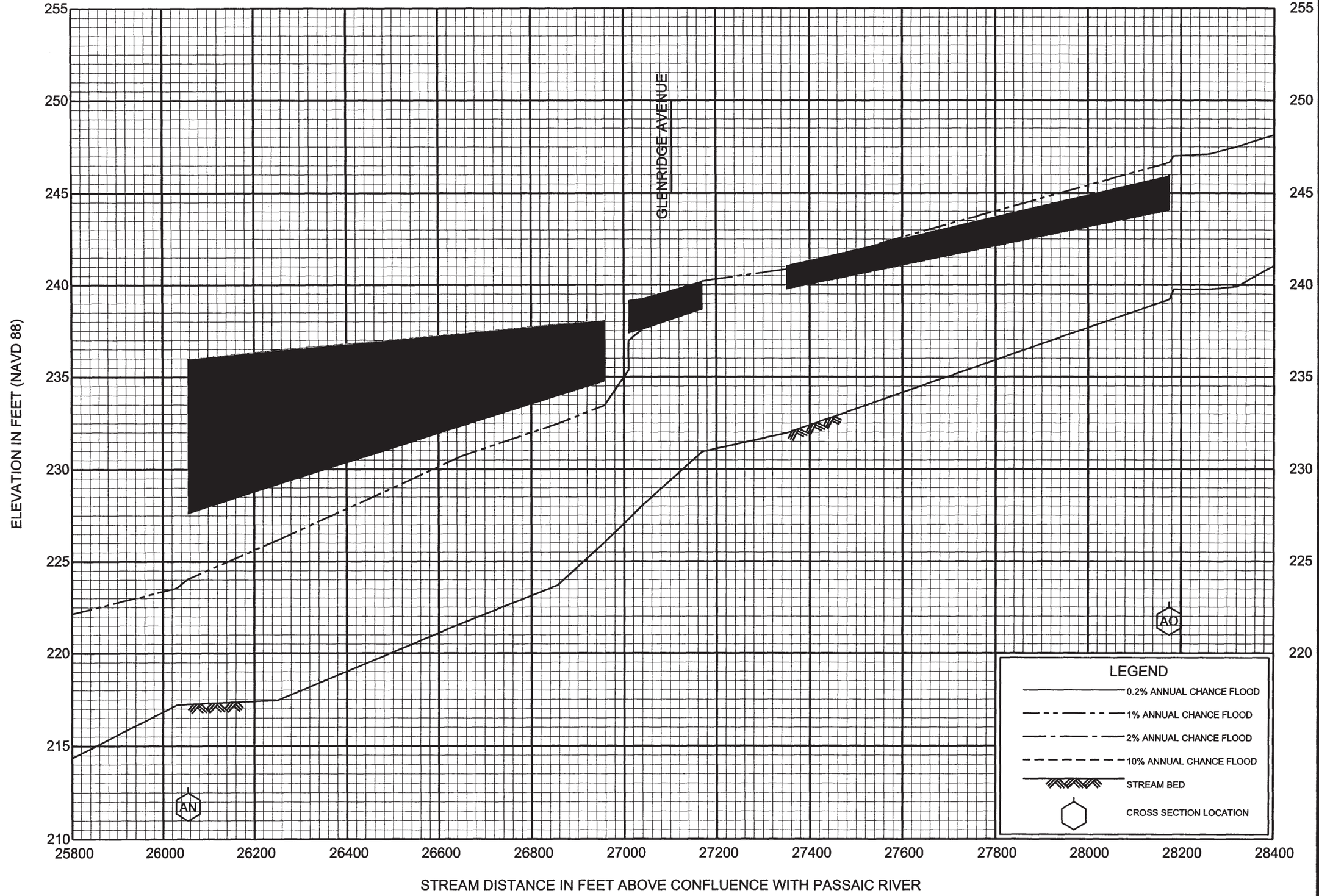
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

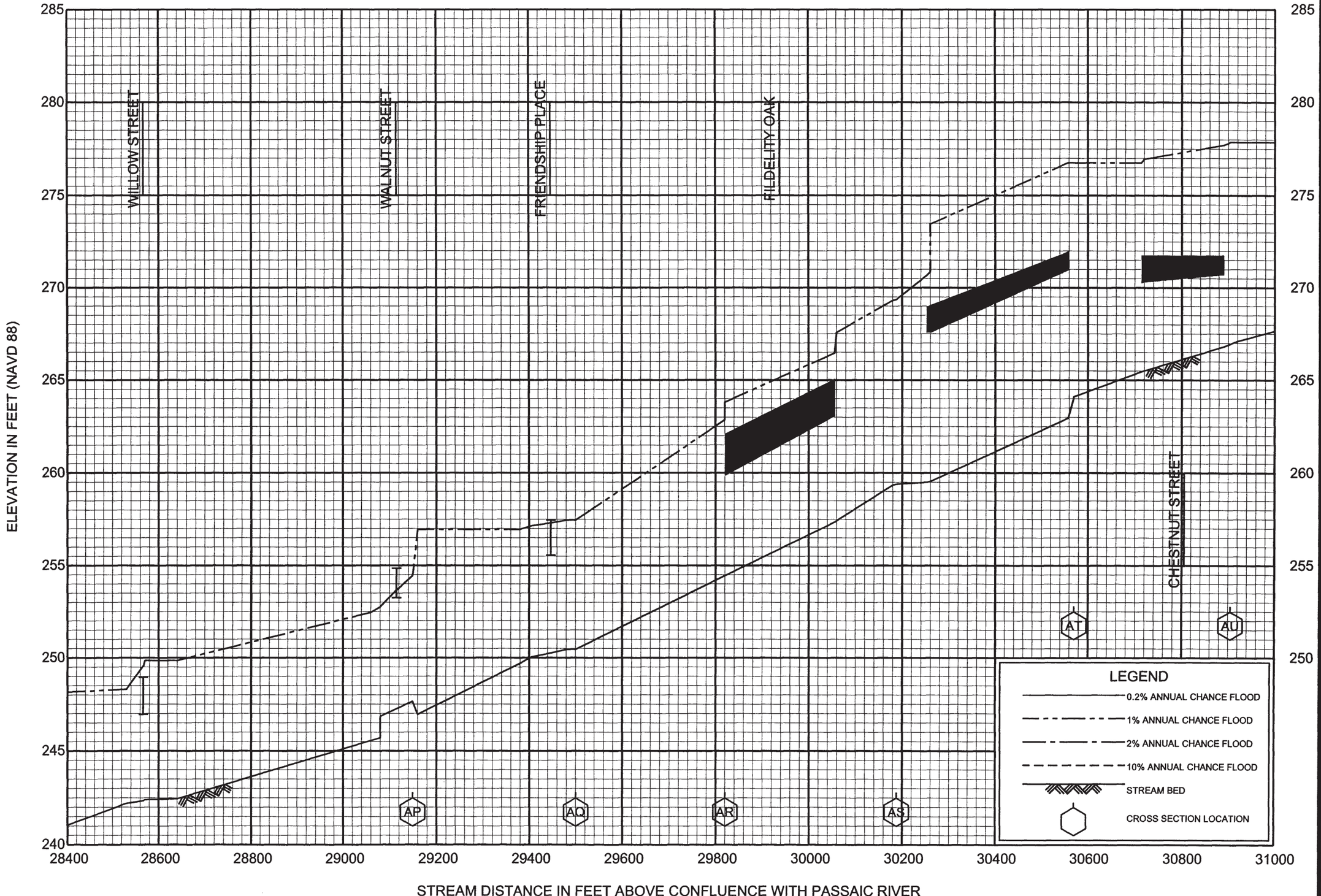
SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

153P



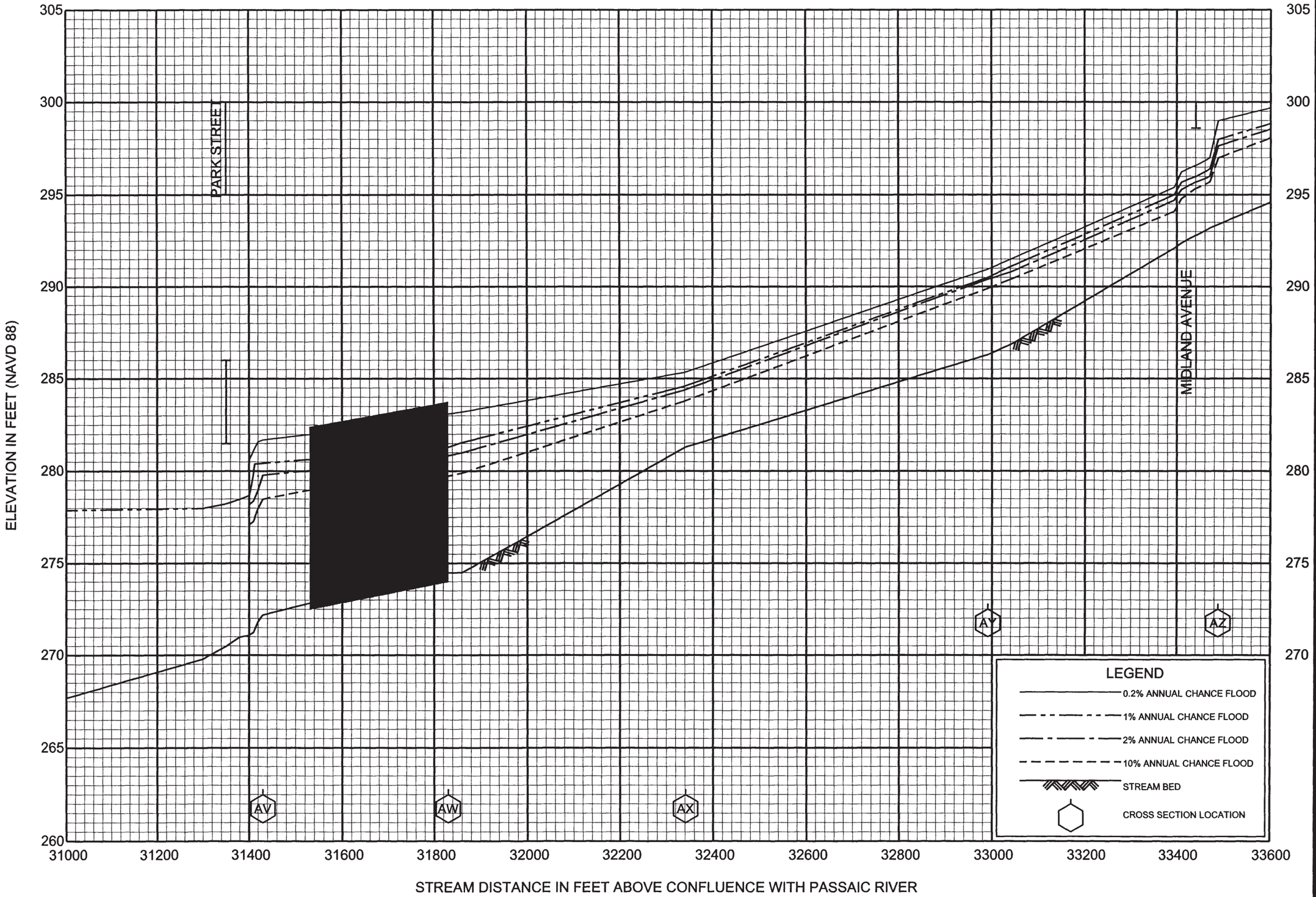
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

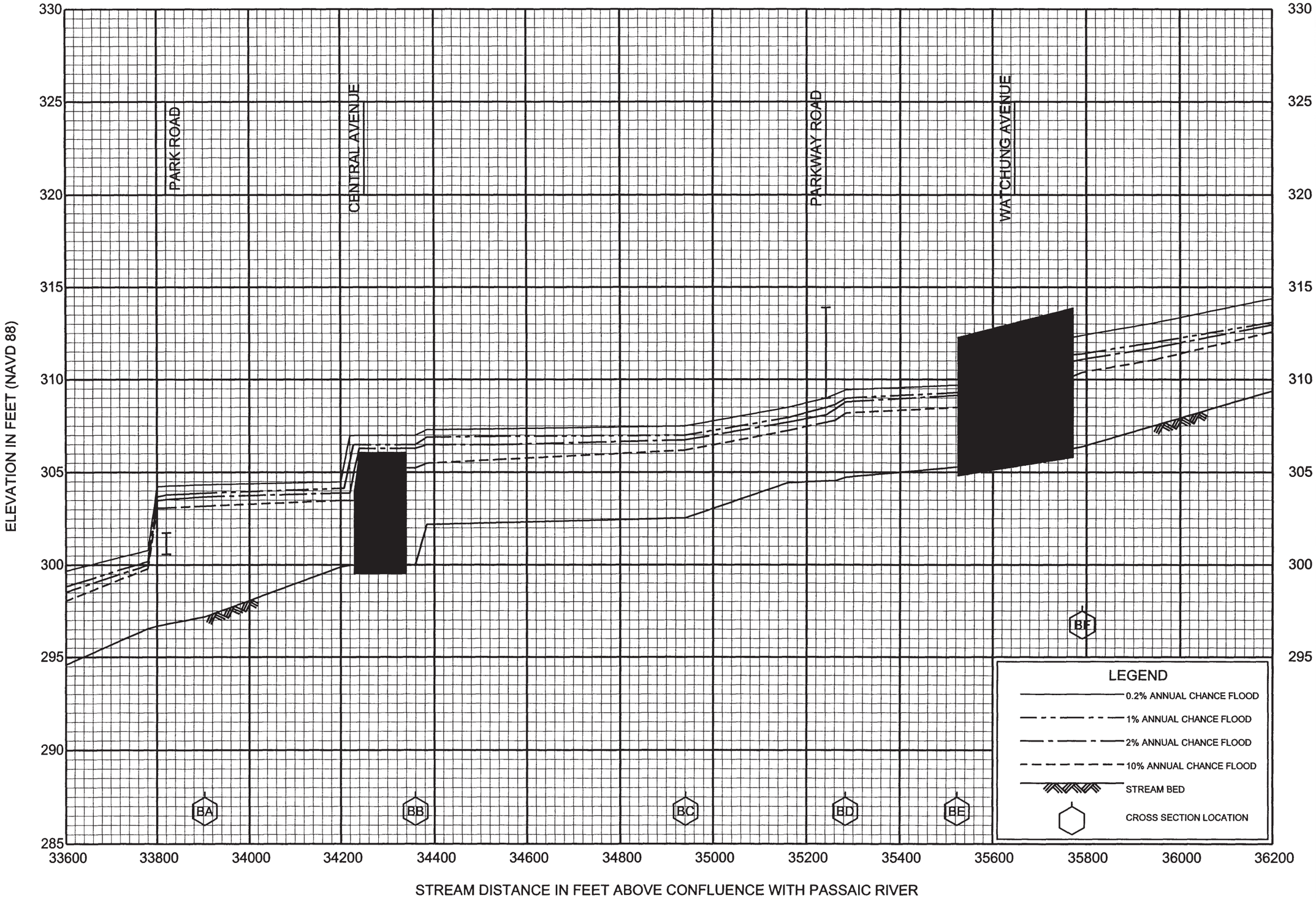
SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

155P



FLOOD PROFILES

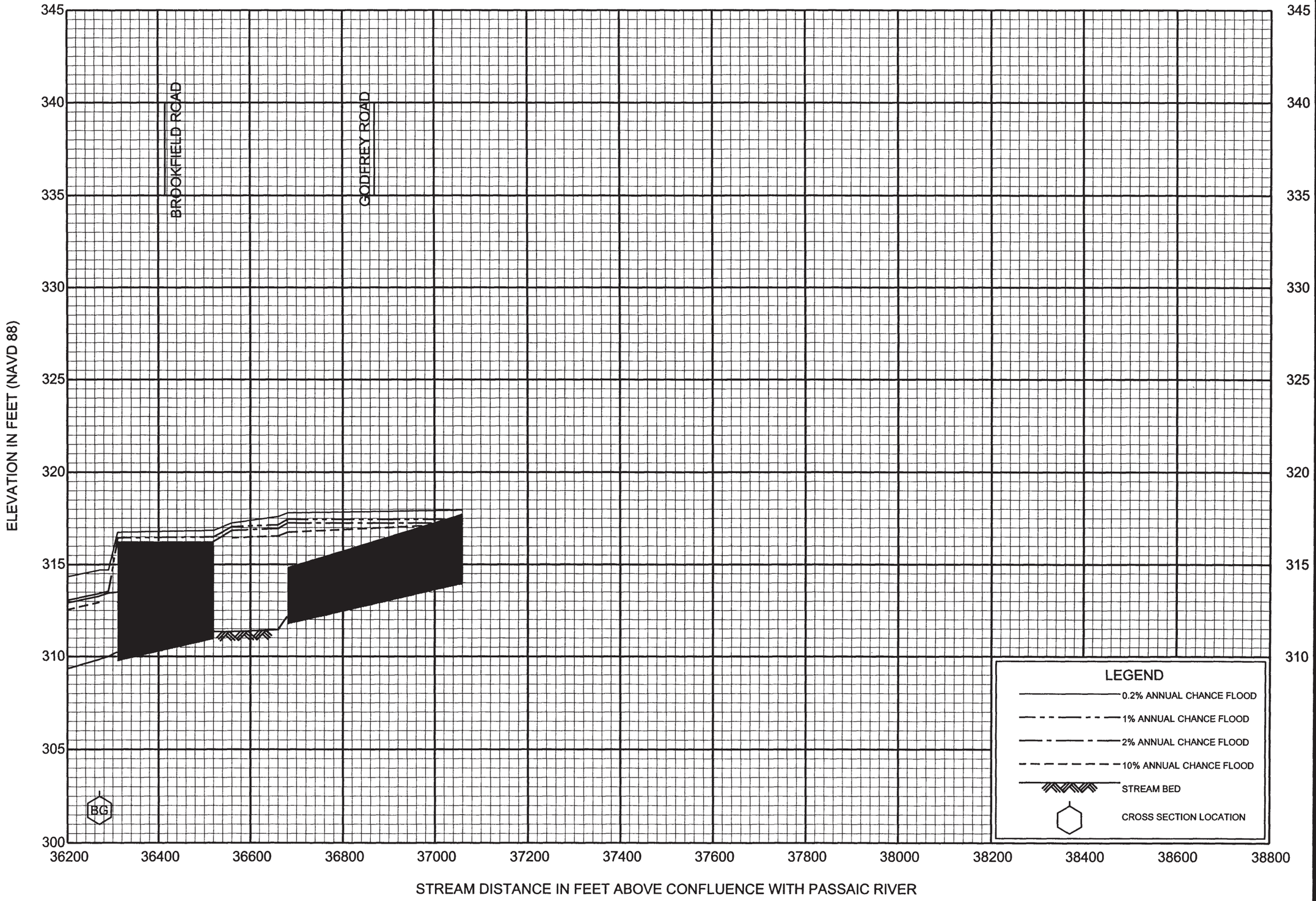
SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

156P



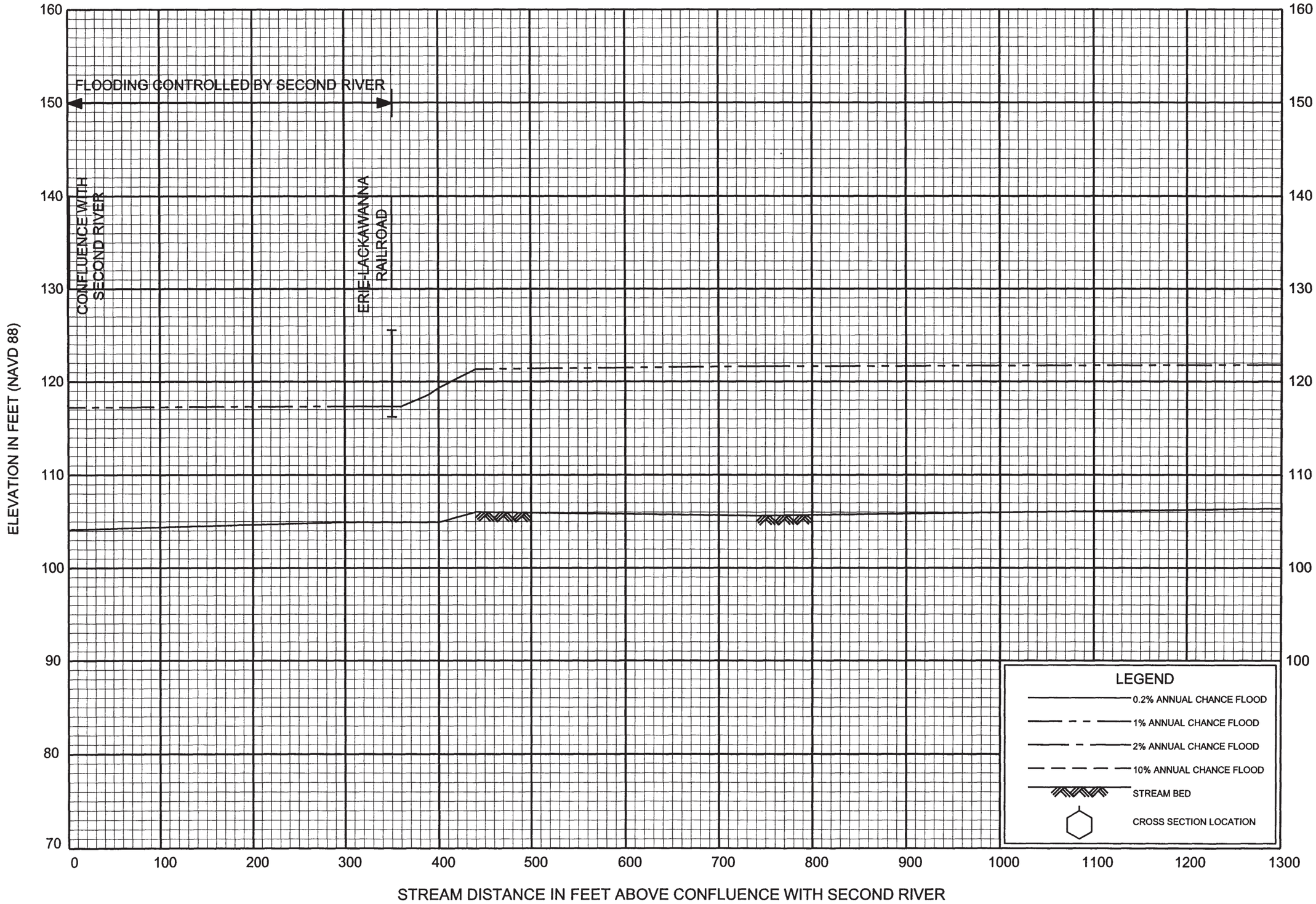
FLOOD PROFILES

SECOND RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



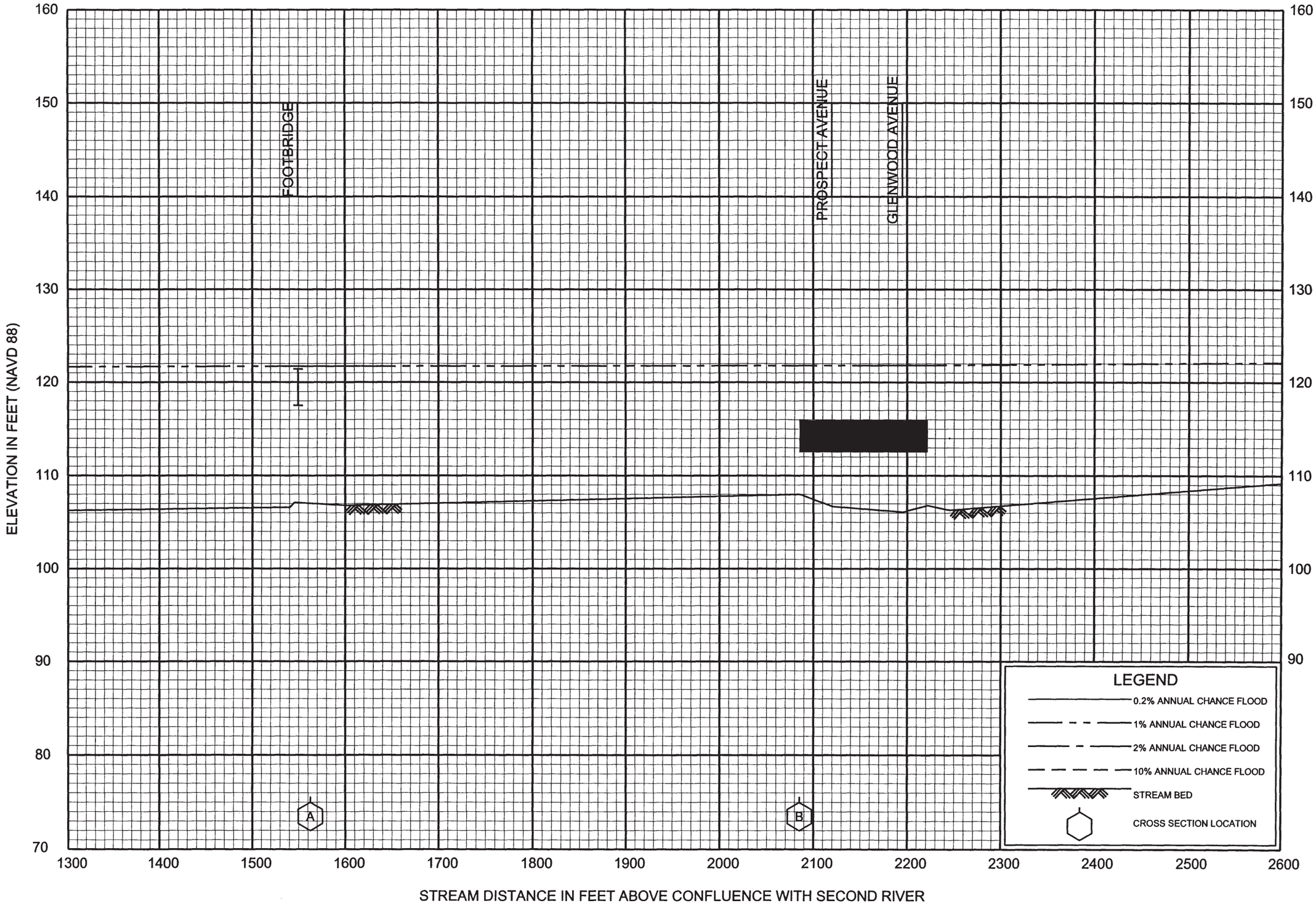
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



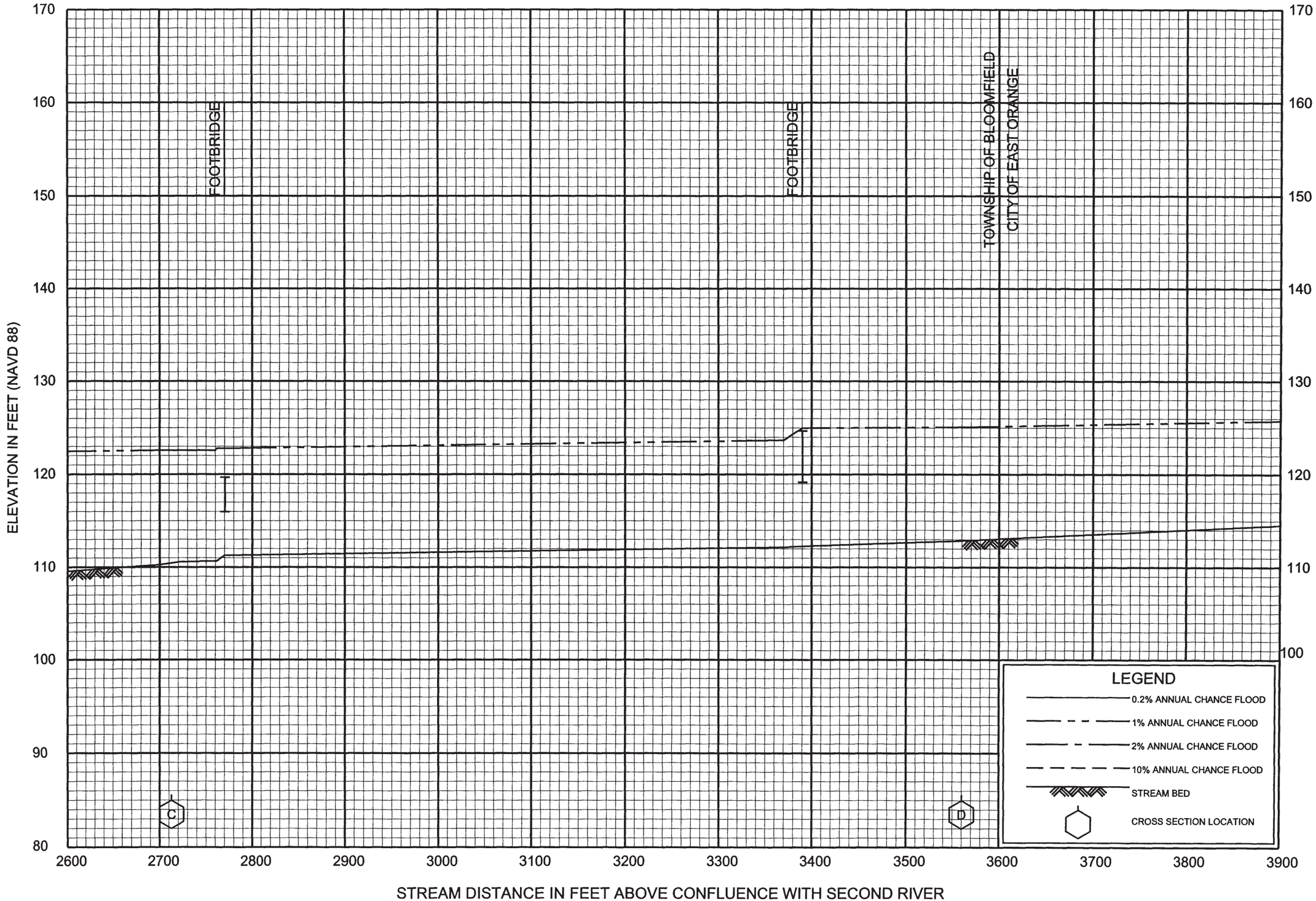
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

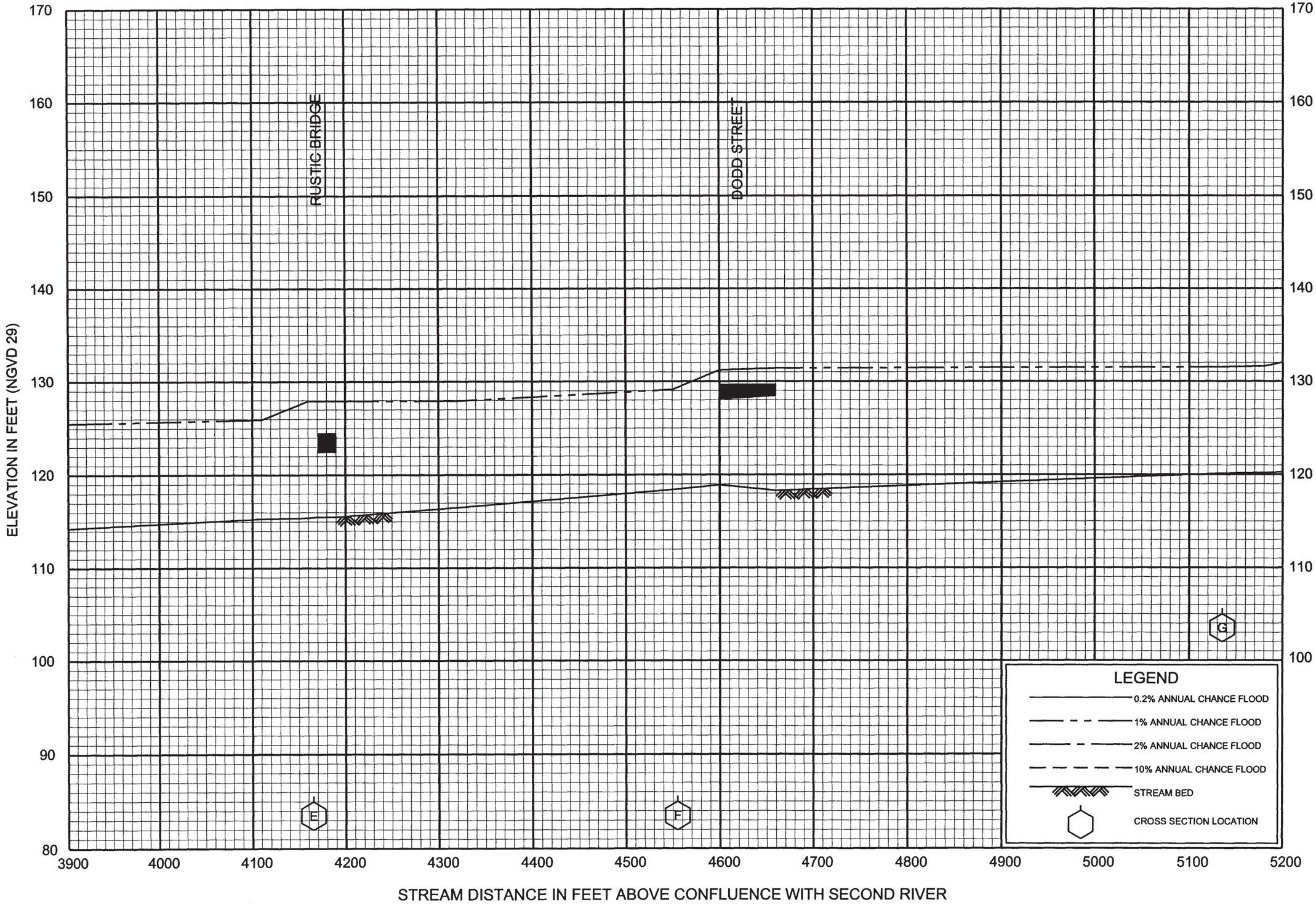
SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

160P



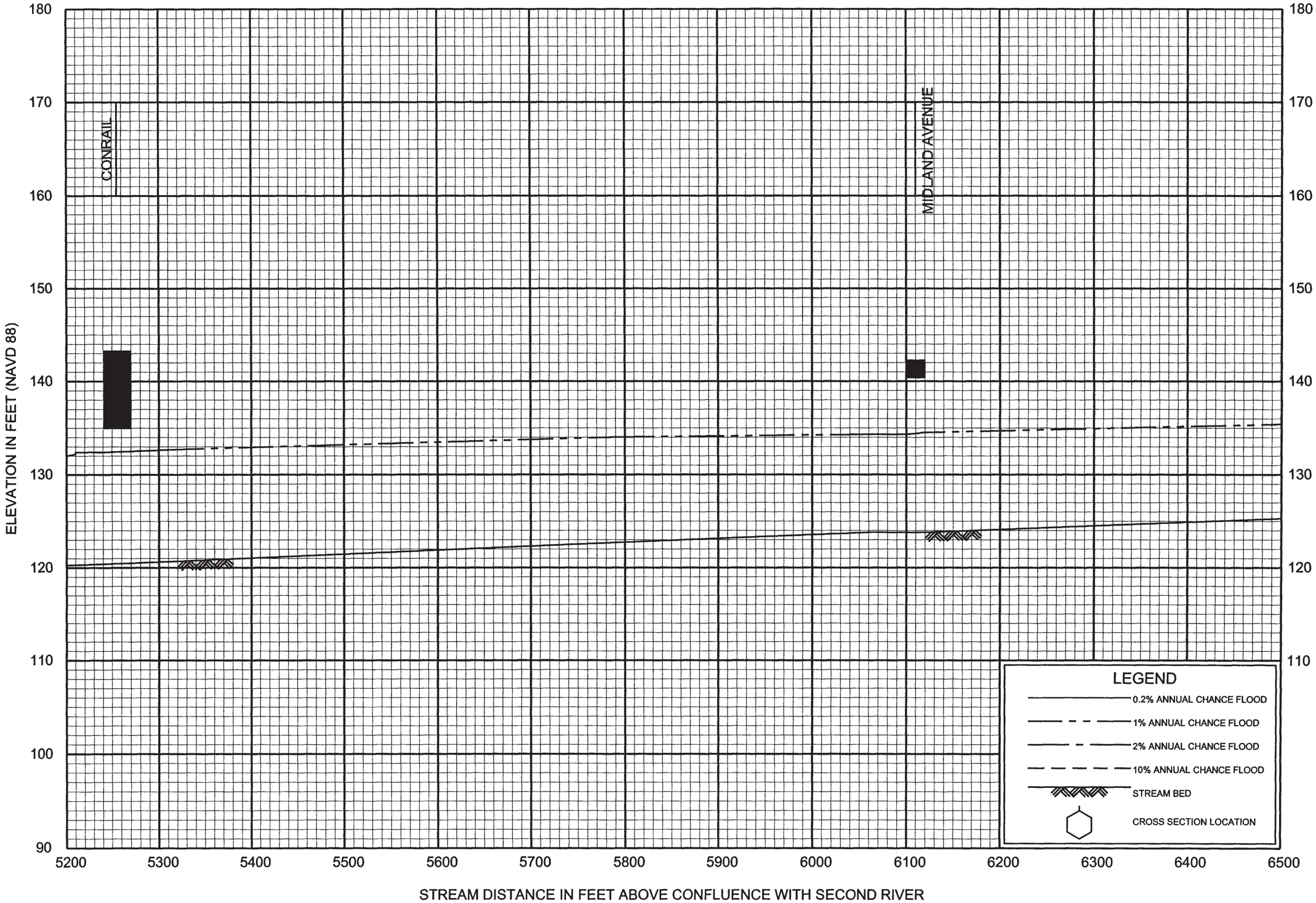
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



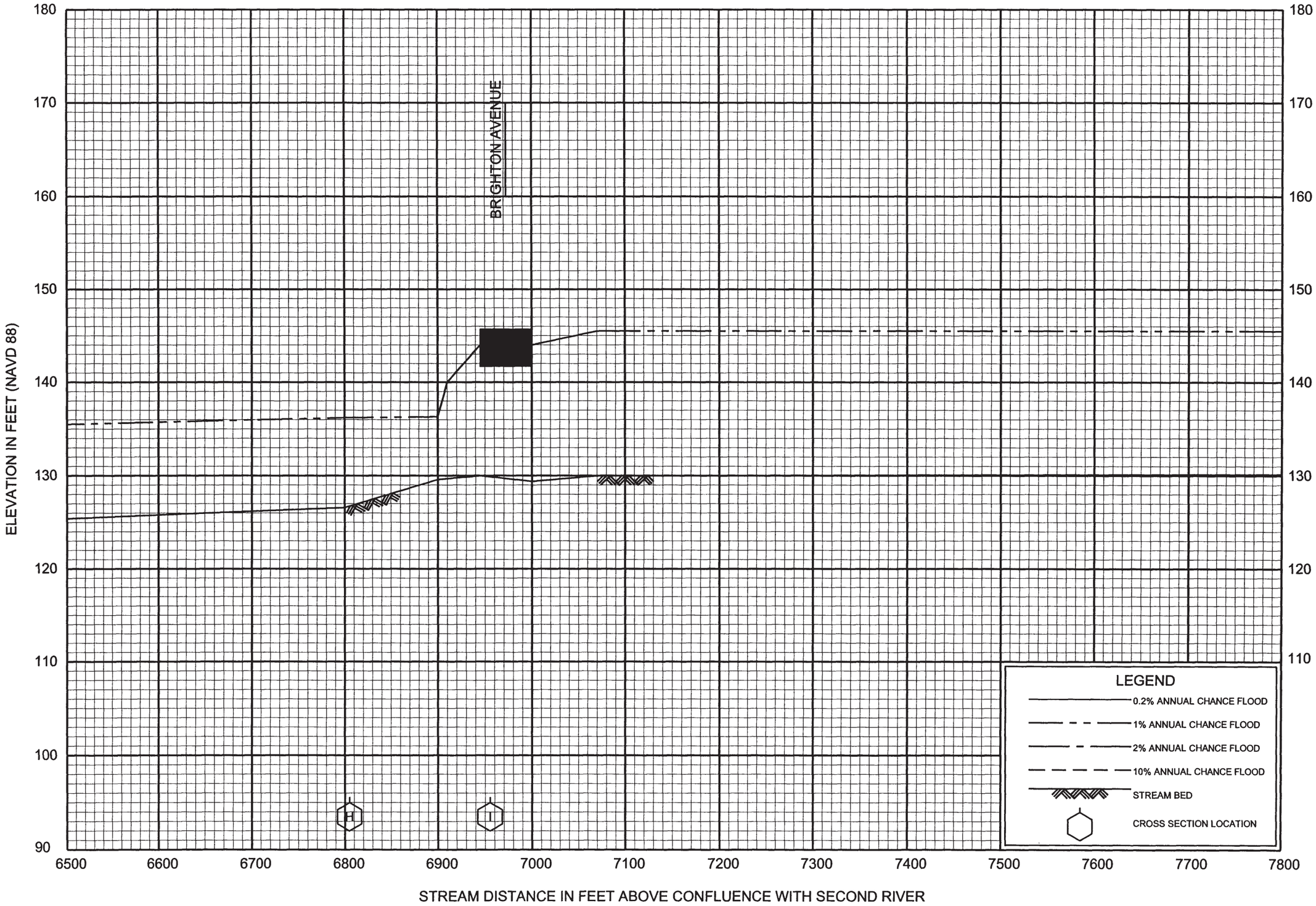
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



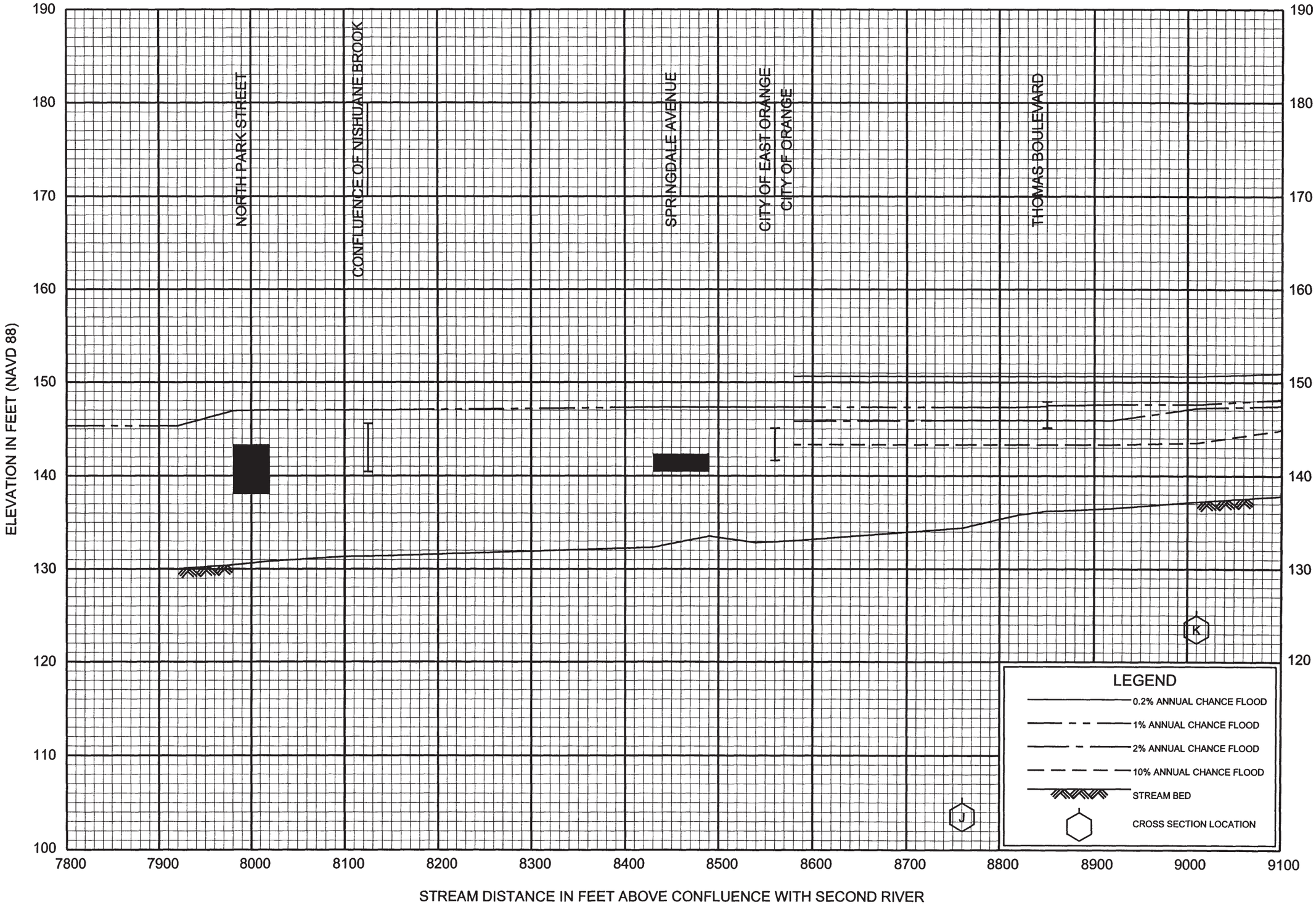
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



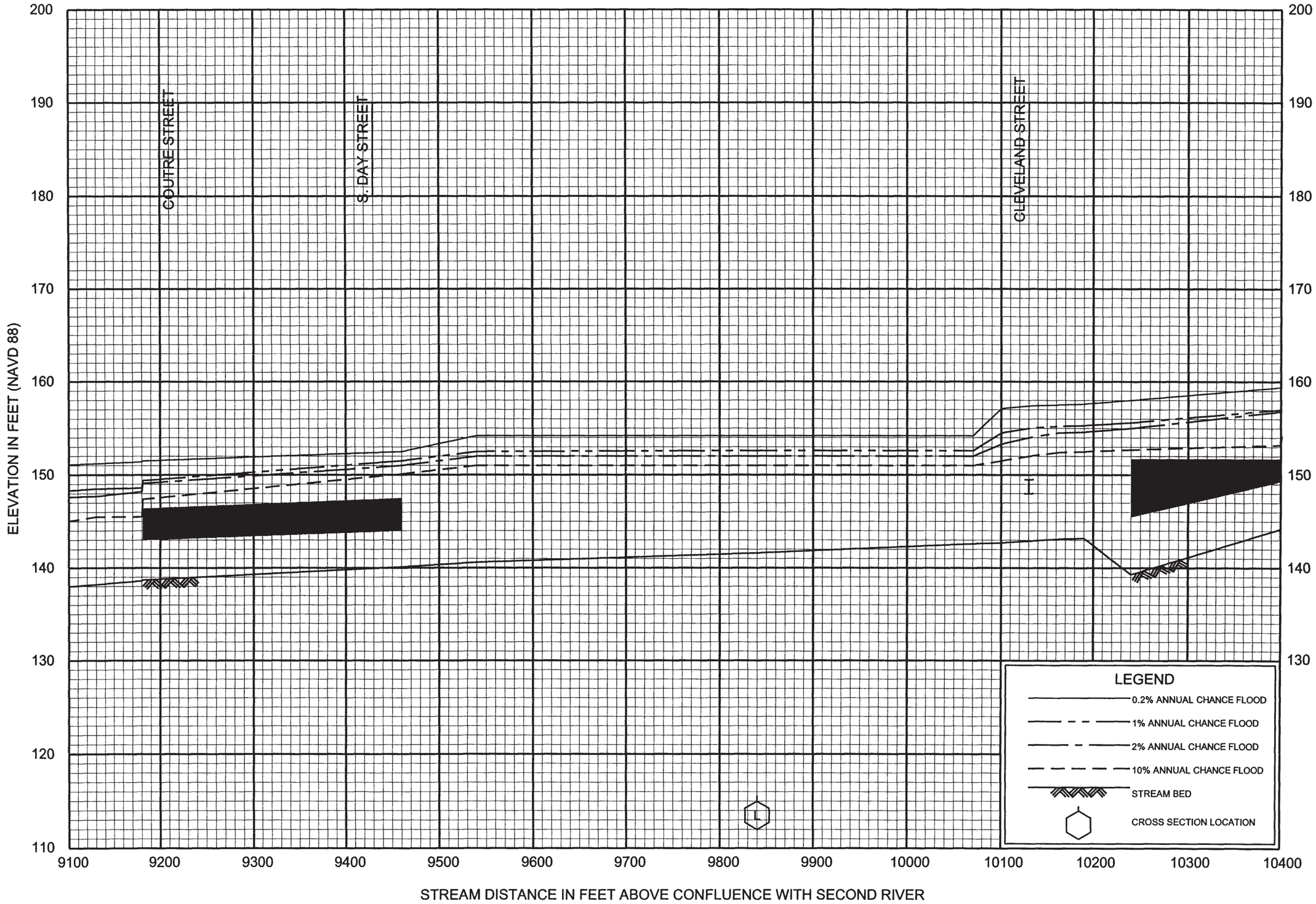
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

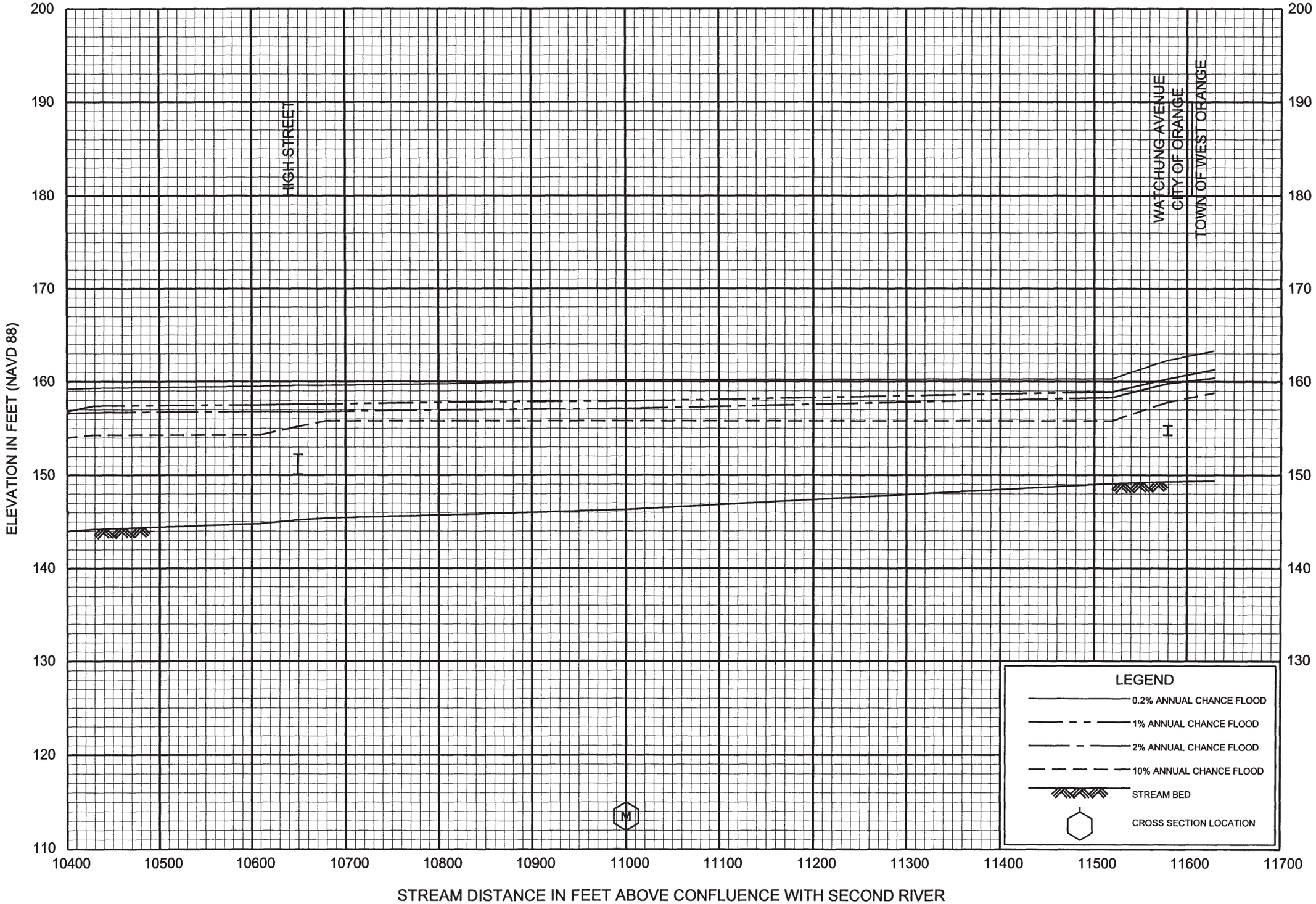
SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

165P



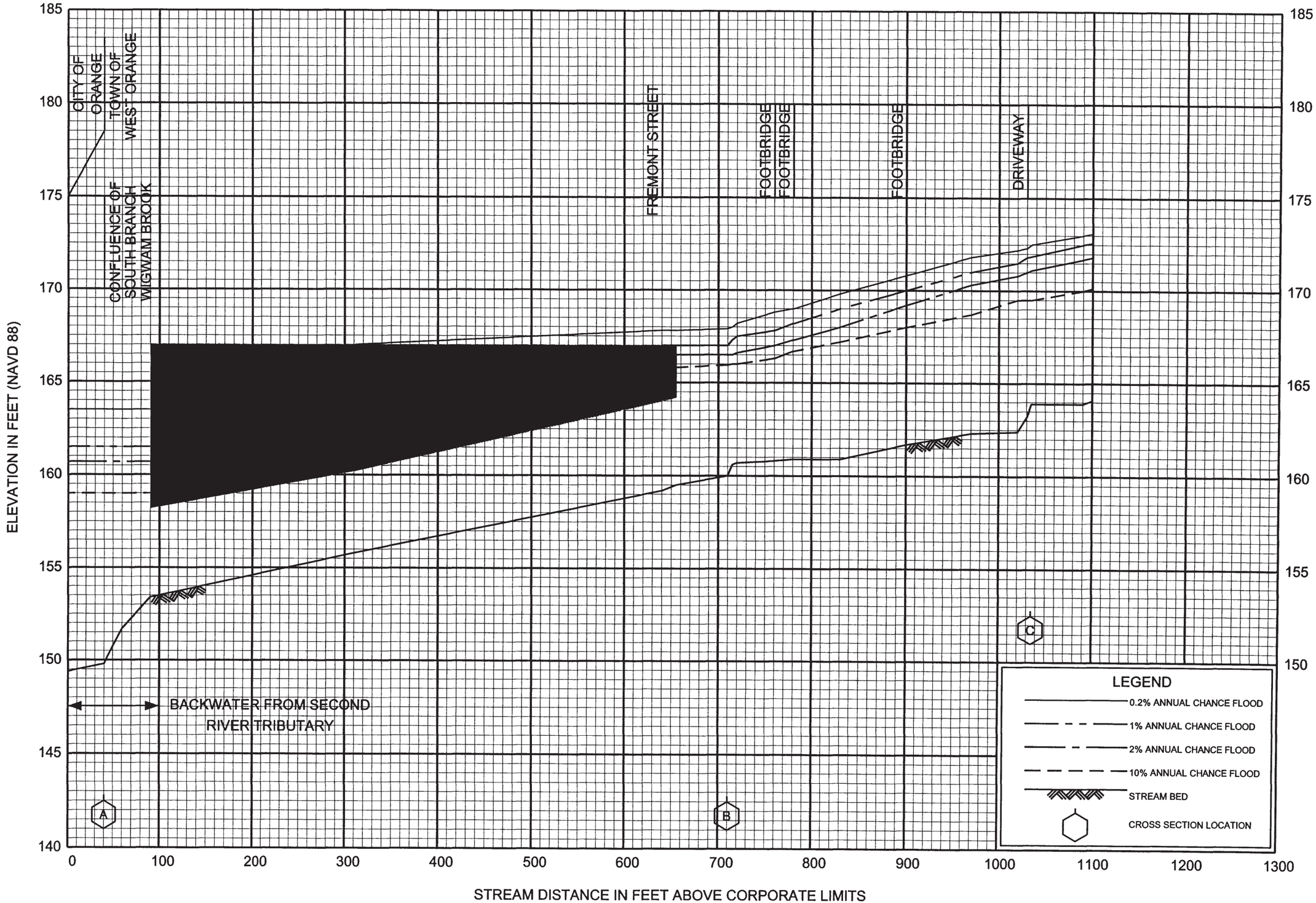
FLOOD PROFILES

SECOND RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



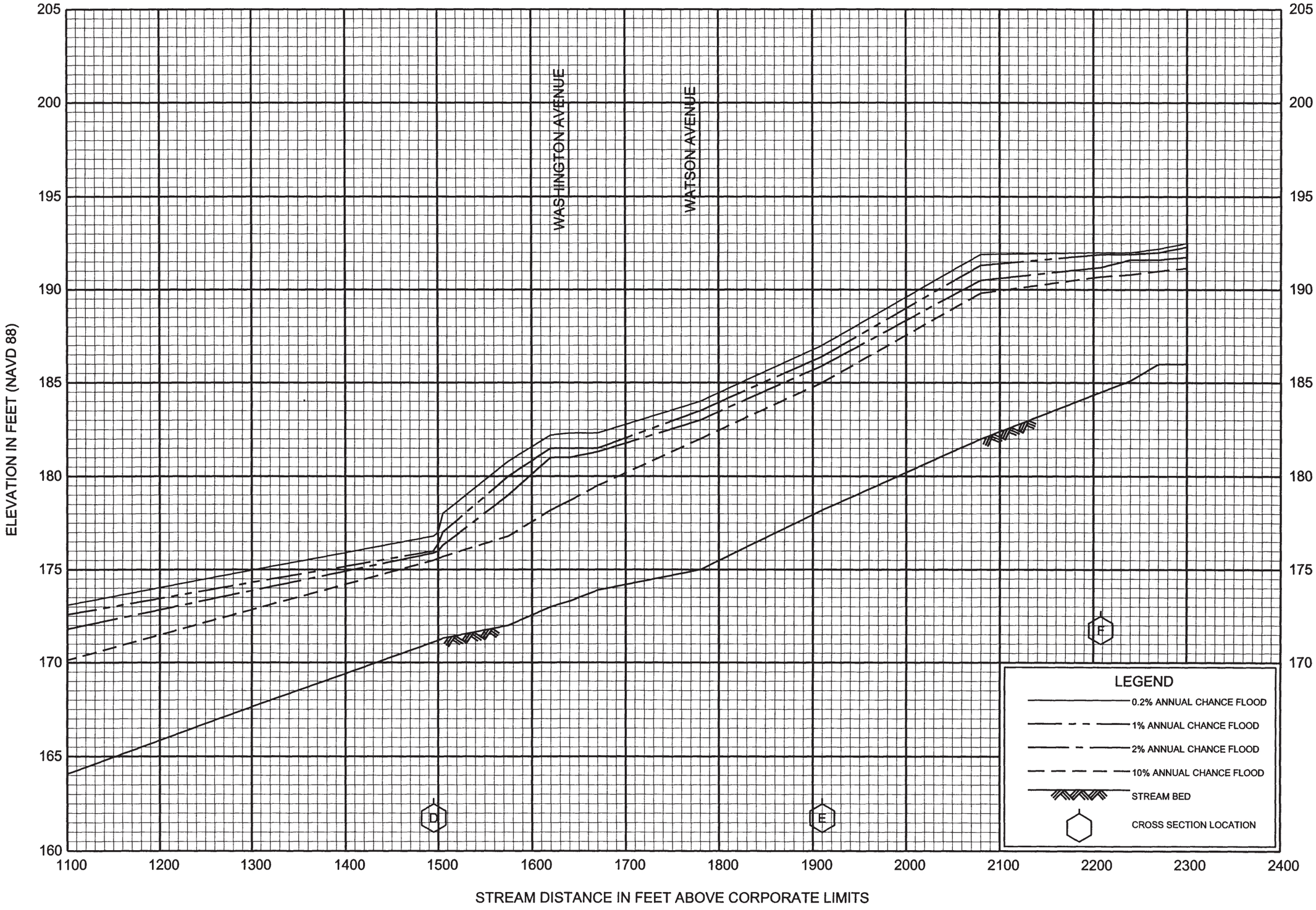
FLOOD PROFILES

NORTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



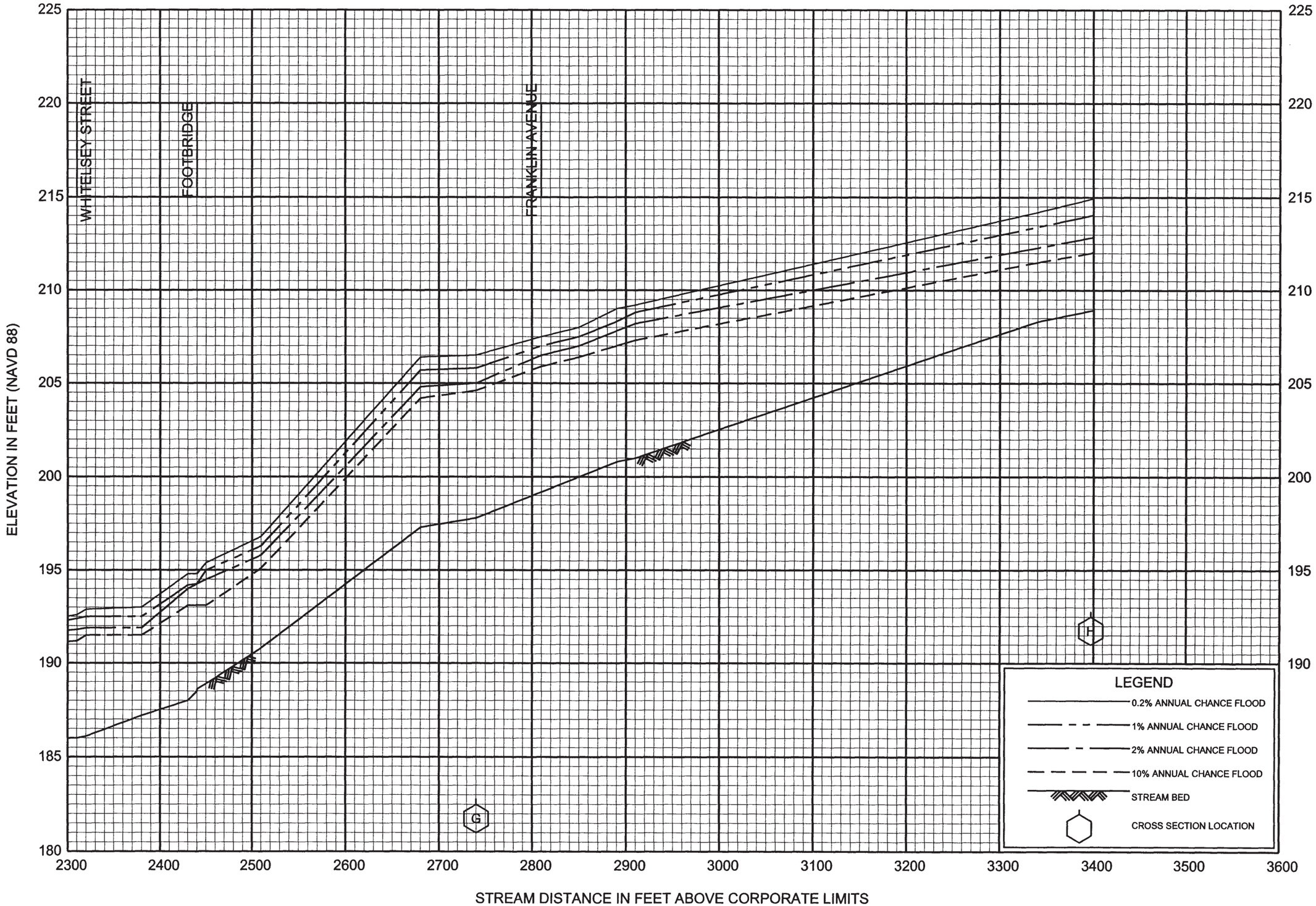
FLOOD PROFILES

NORTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



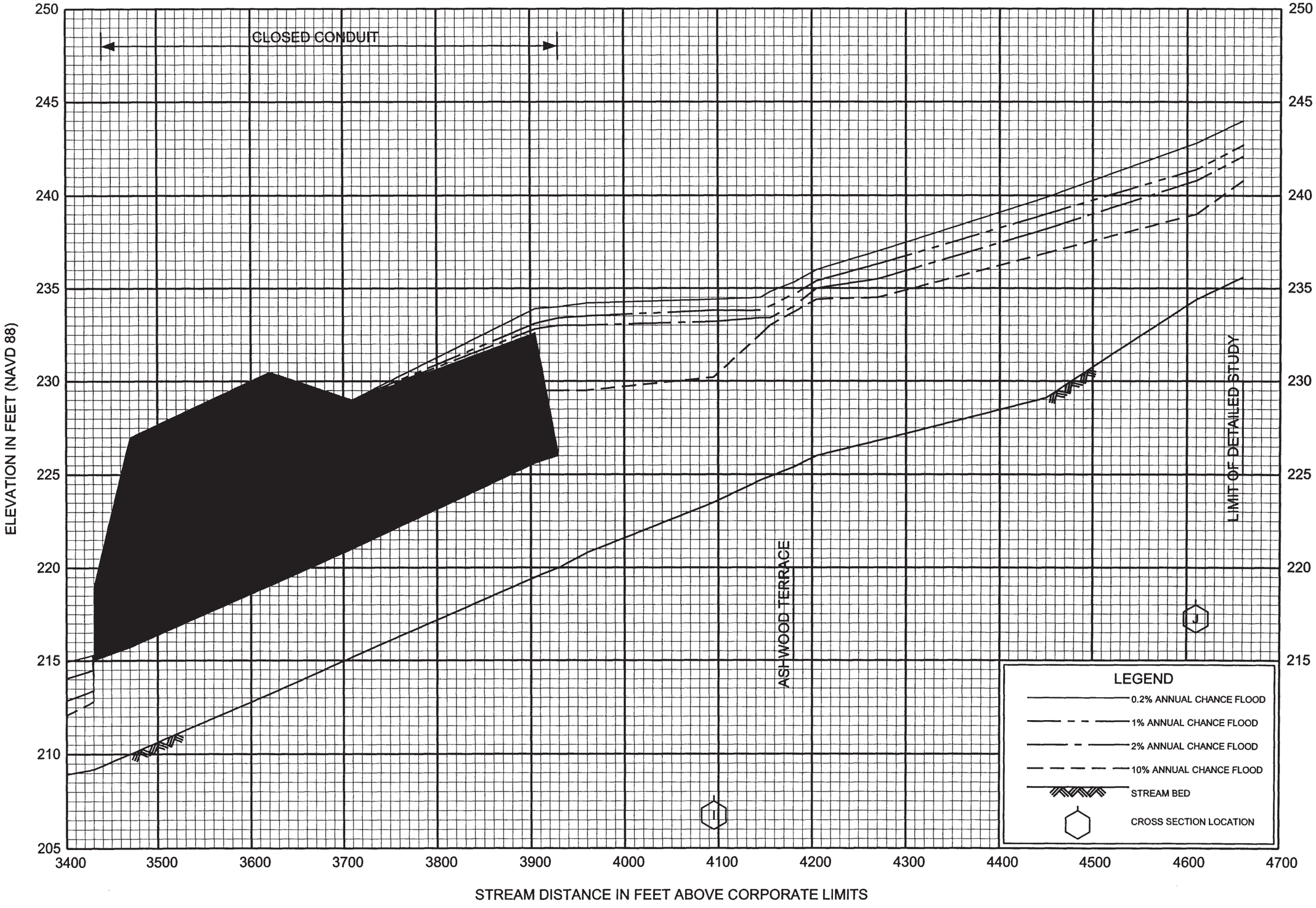
FLOOD PROFILES

NORTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



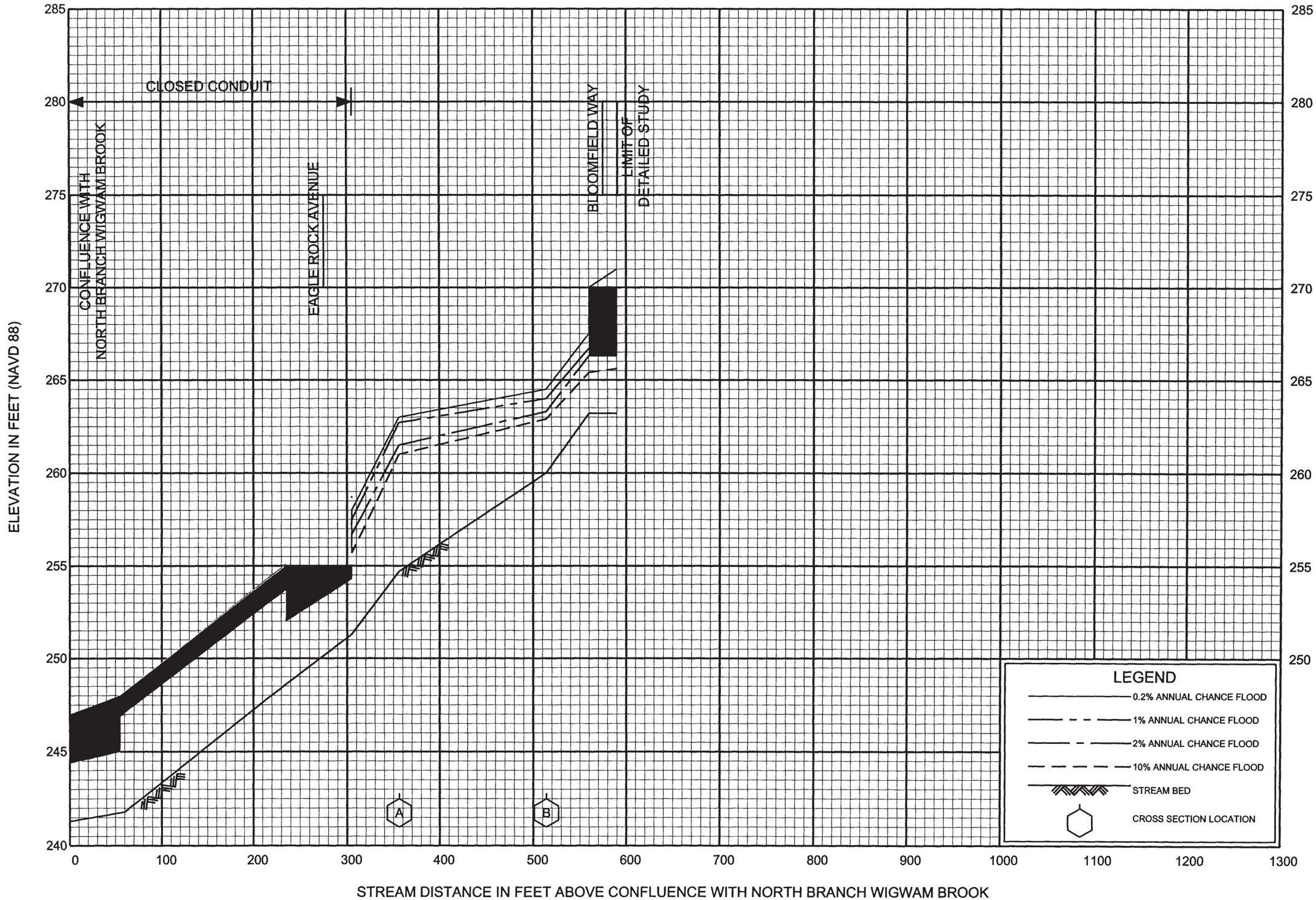
FLOOD PROFILES

NORTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



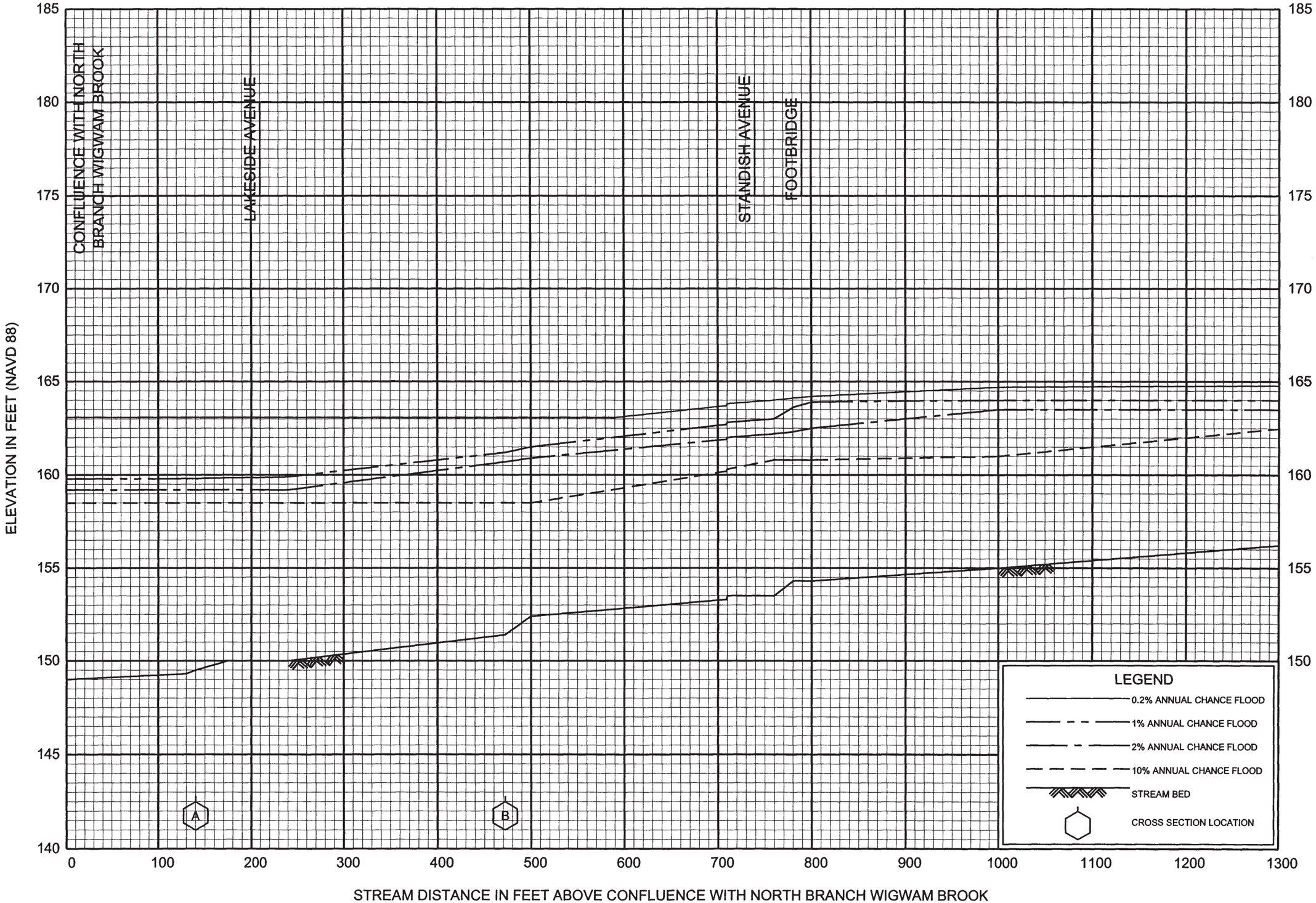
FLOOD PROFILES

BRANCH OF NORTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

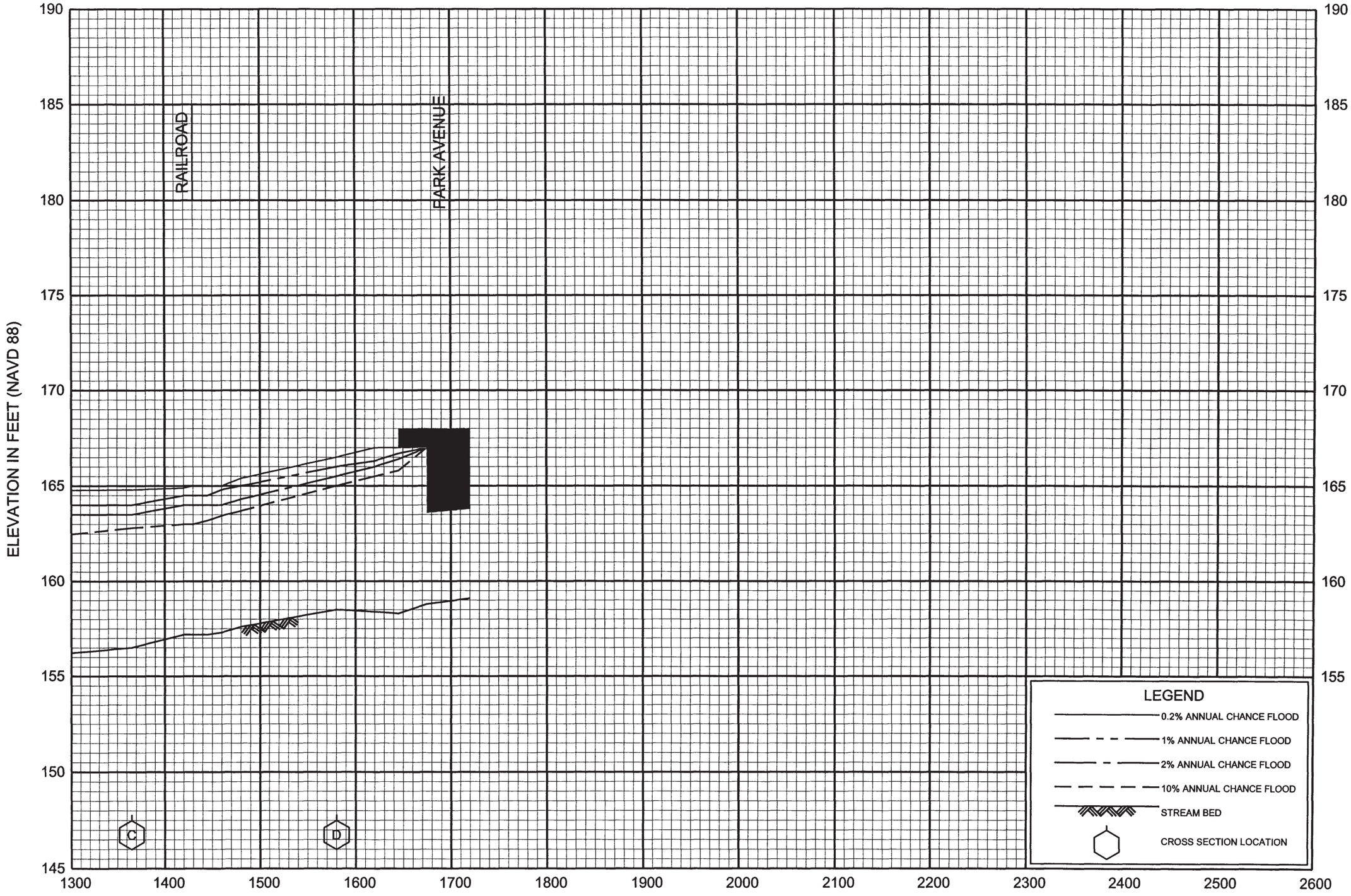
SOUTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

172P



FLOOD PROFILES

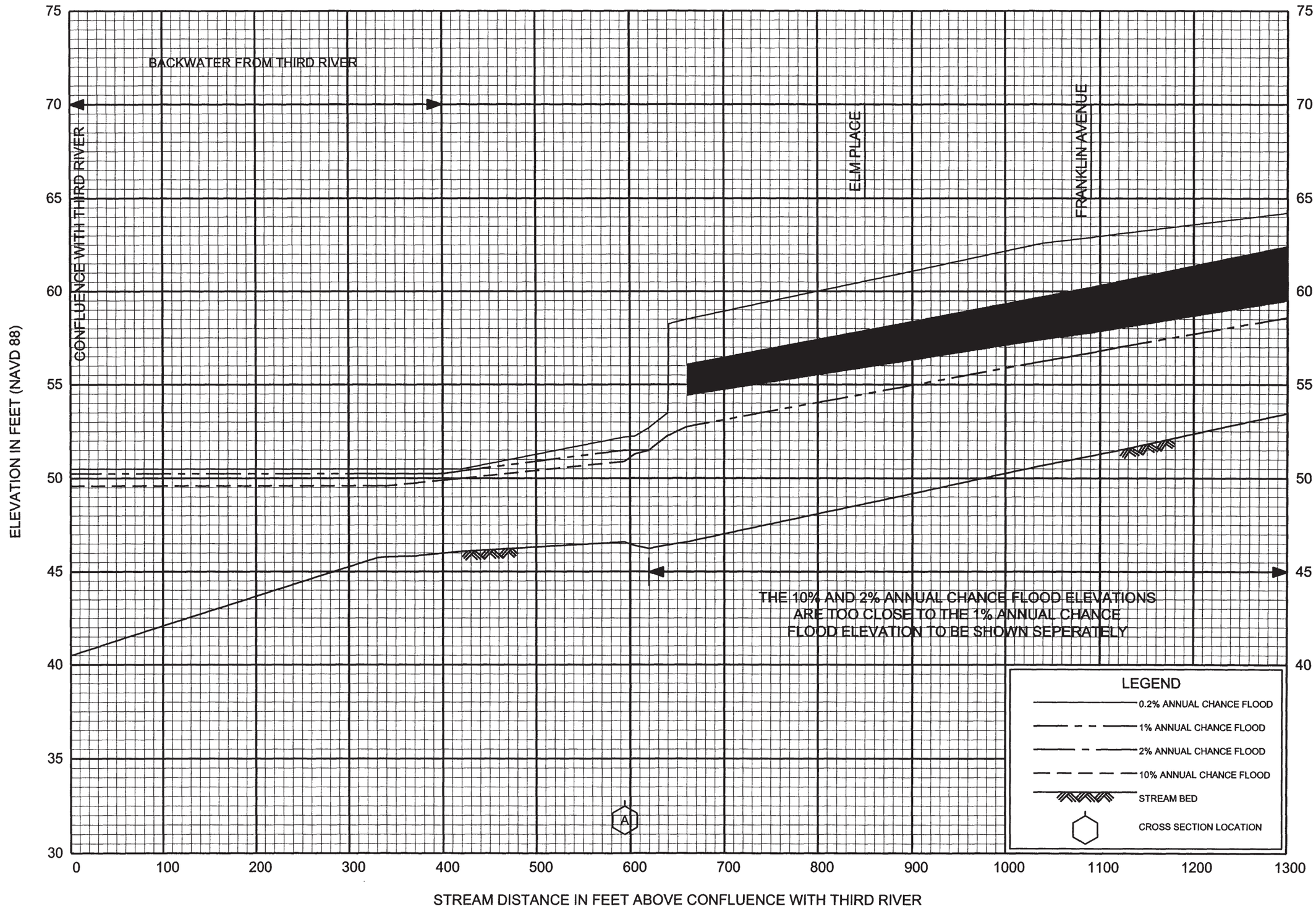
SOUTH BRANCH WIGWAM BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

173P



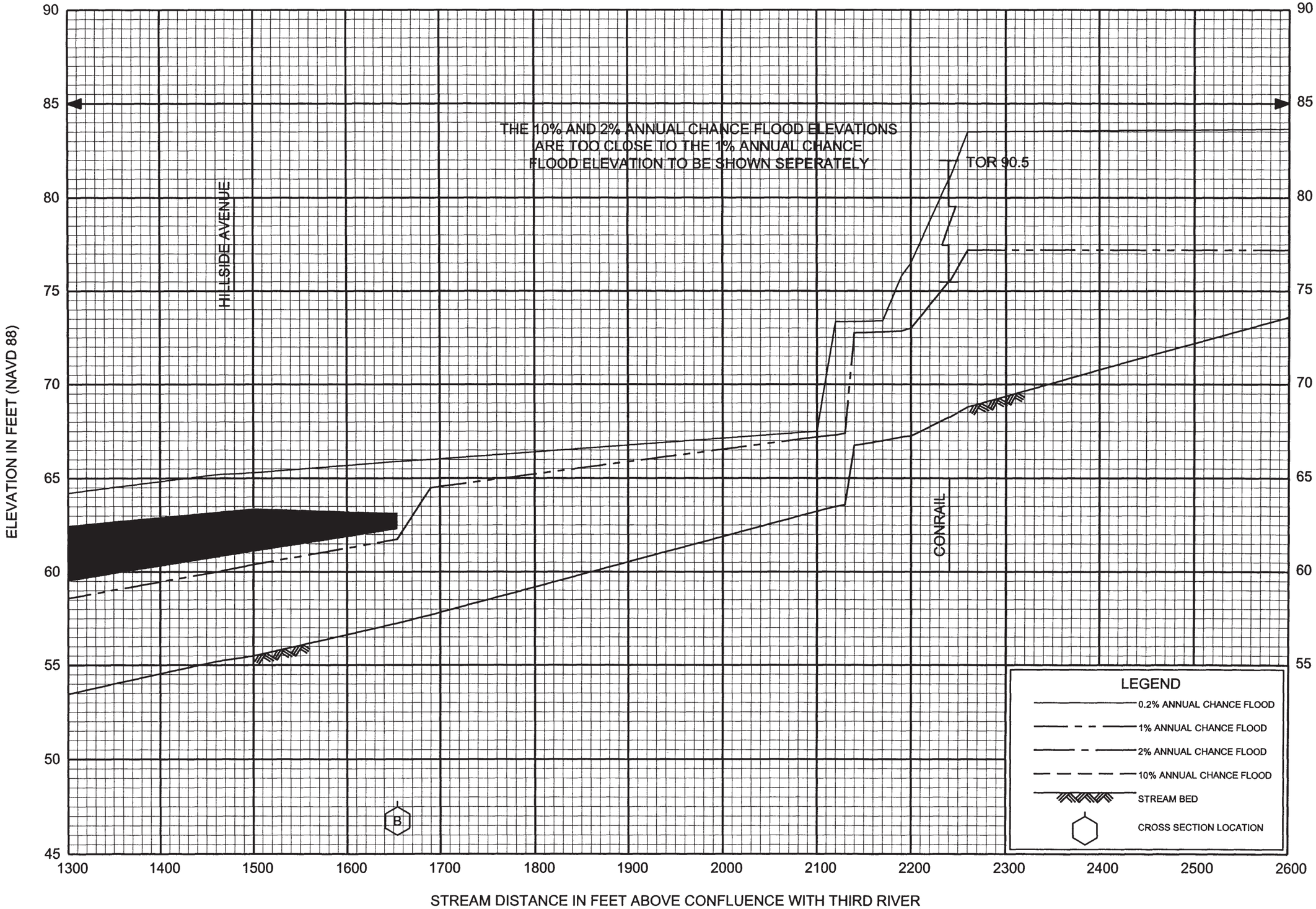
FLOOD PROFILES

ST. PAULS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



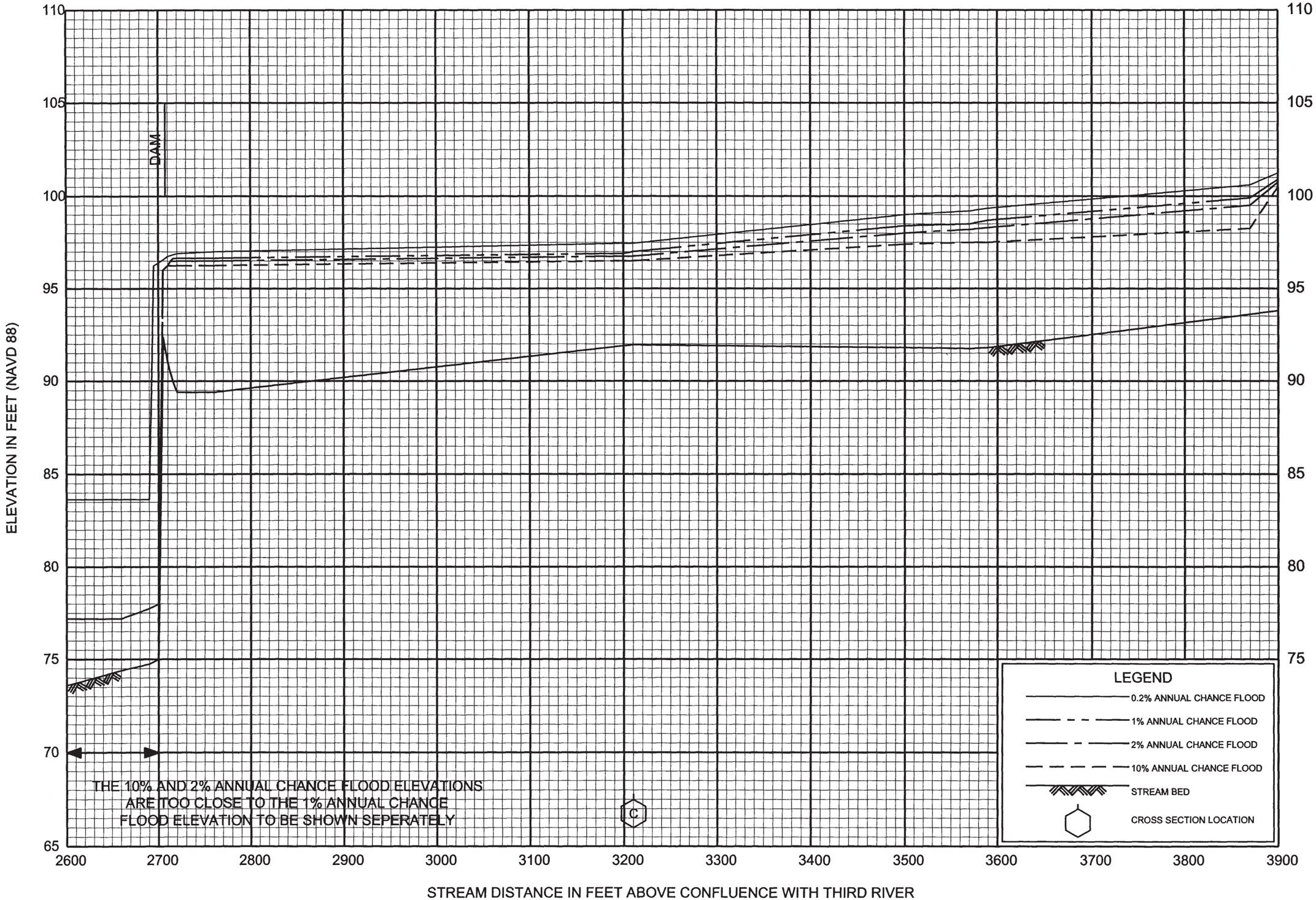
FLOOD PROFILES

ST. PAULS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



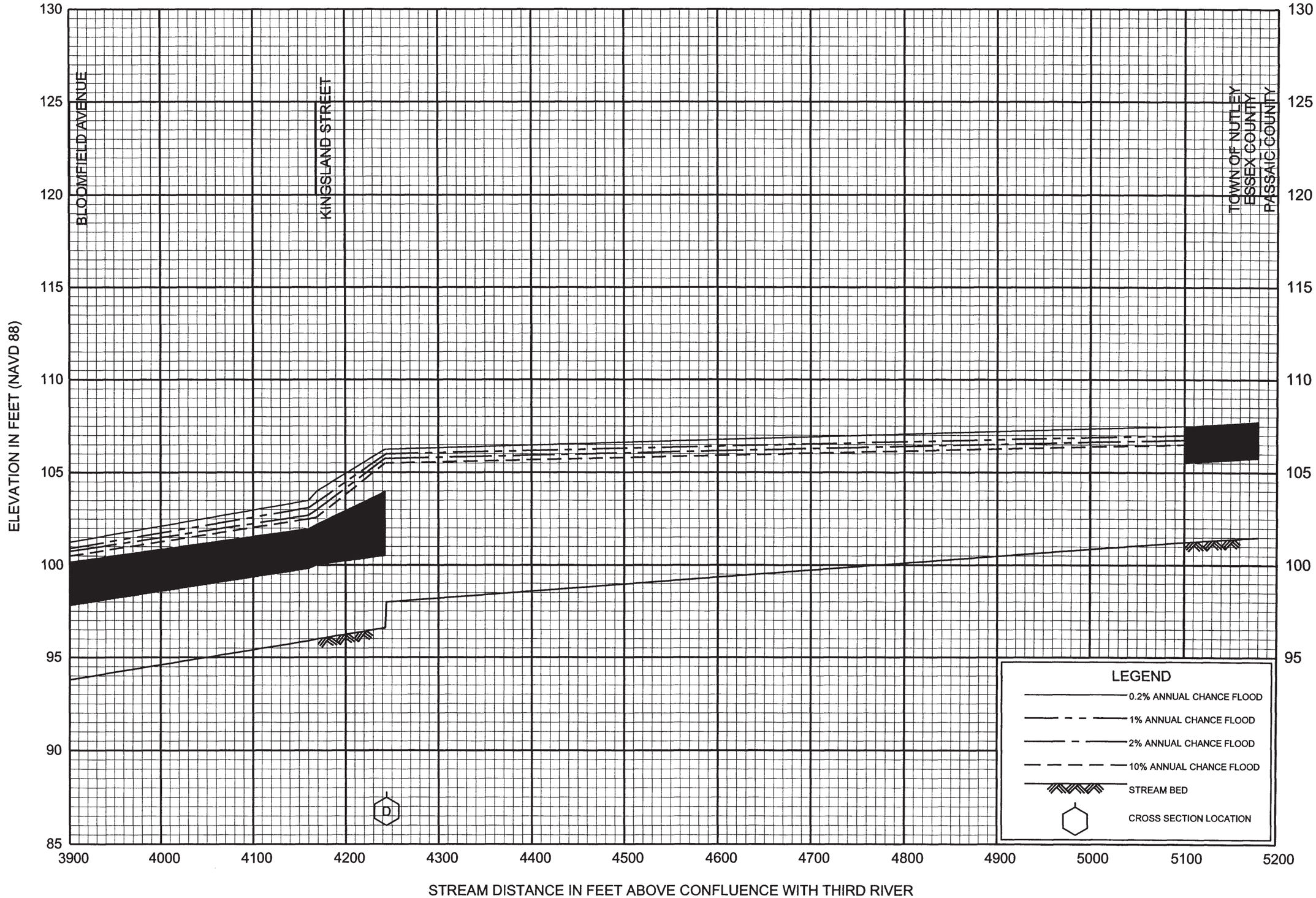
FLOOD PROFILES

ST. PAULS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

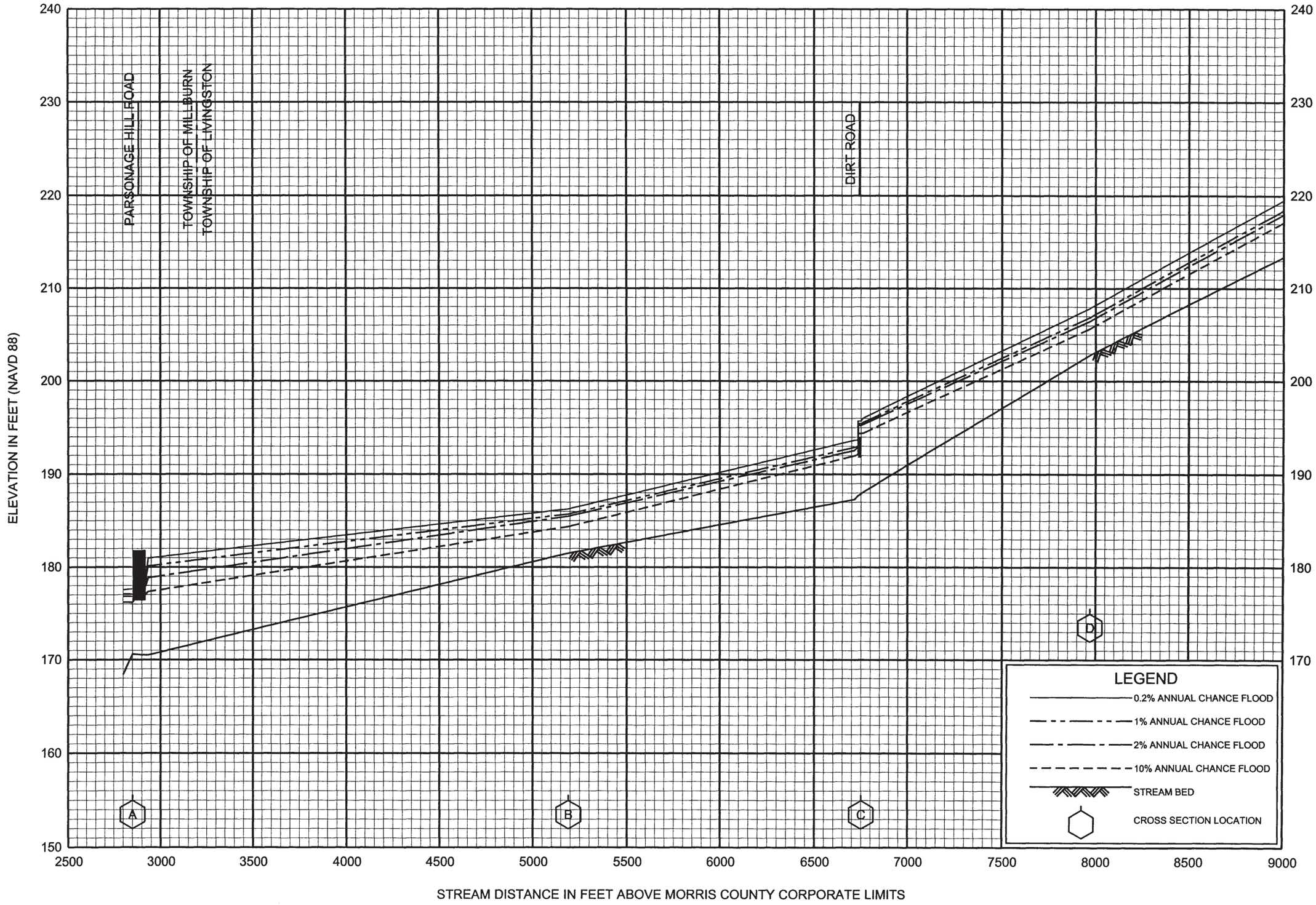
ST. PAULS BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

177P



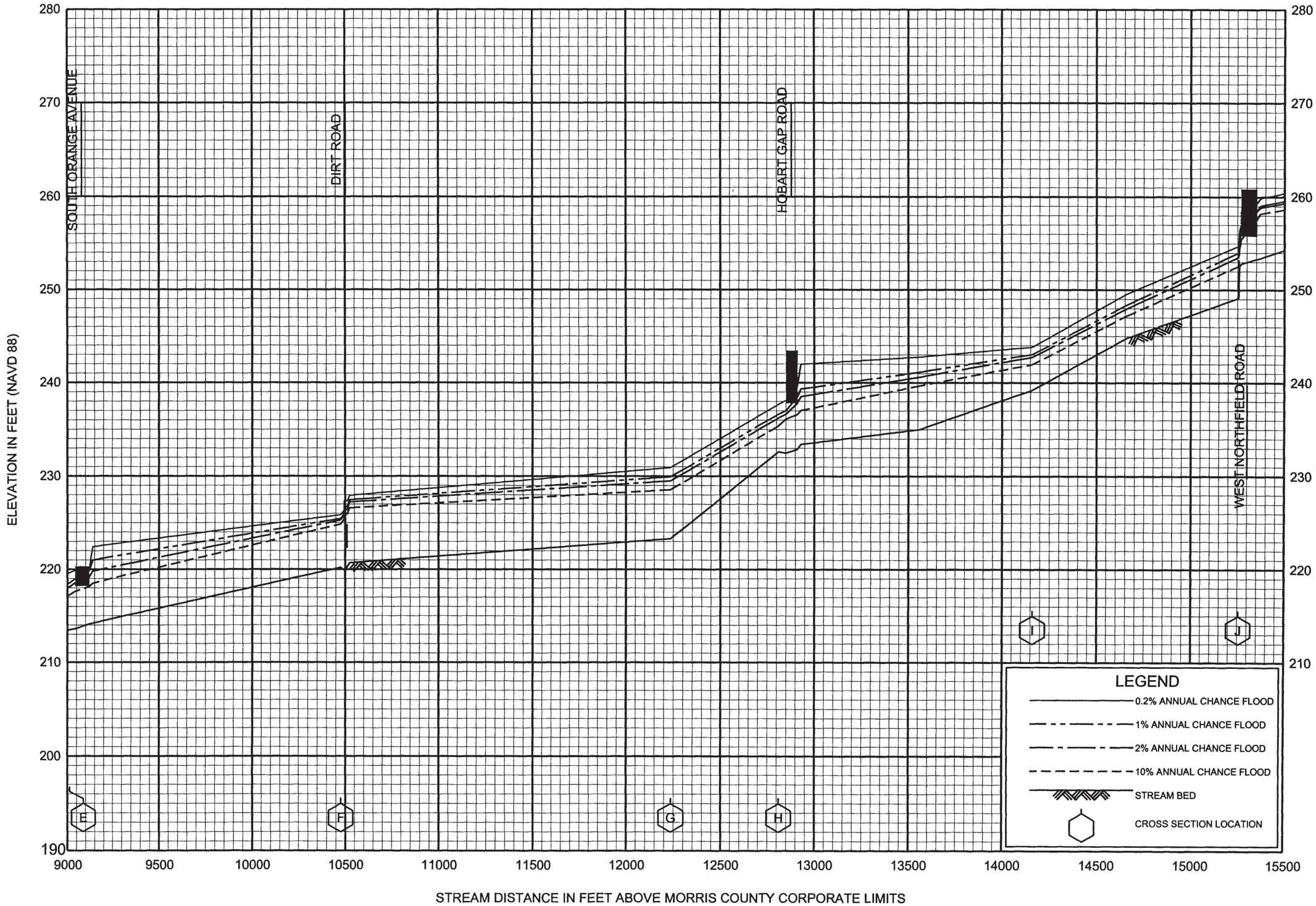
FLOOD PROFILES

SLOUGH BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



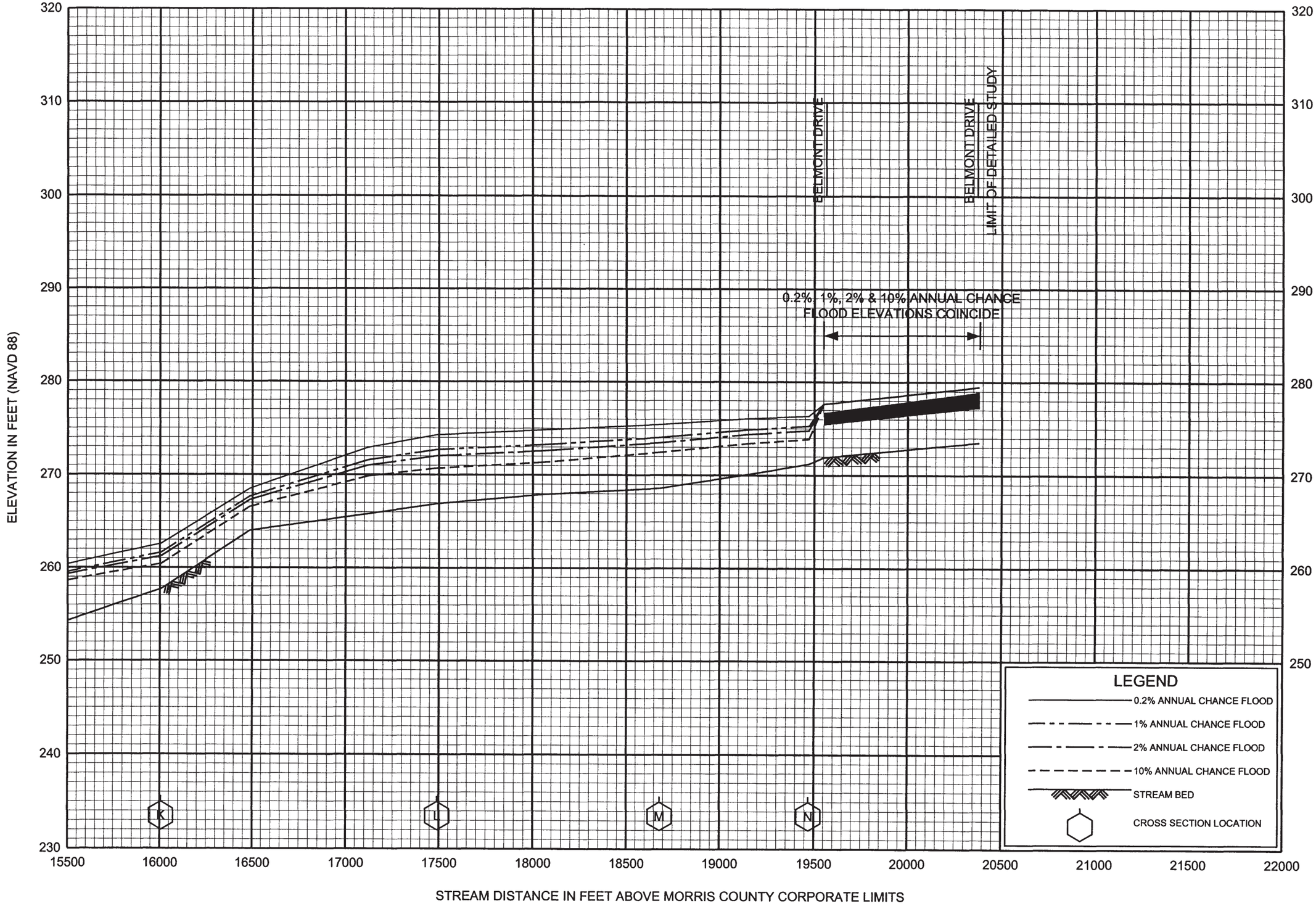
FLOOD PROFILES

SLOUGH BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



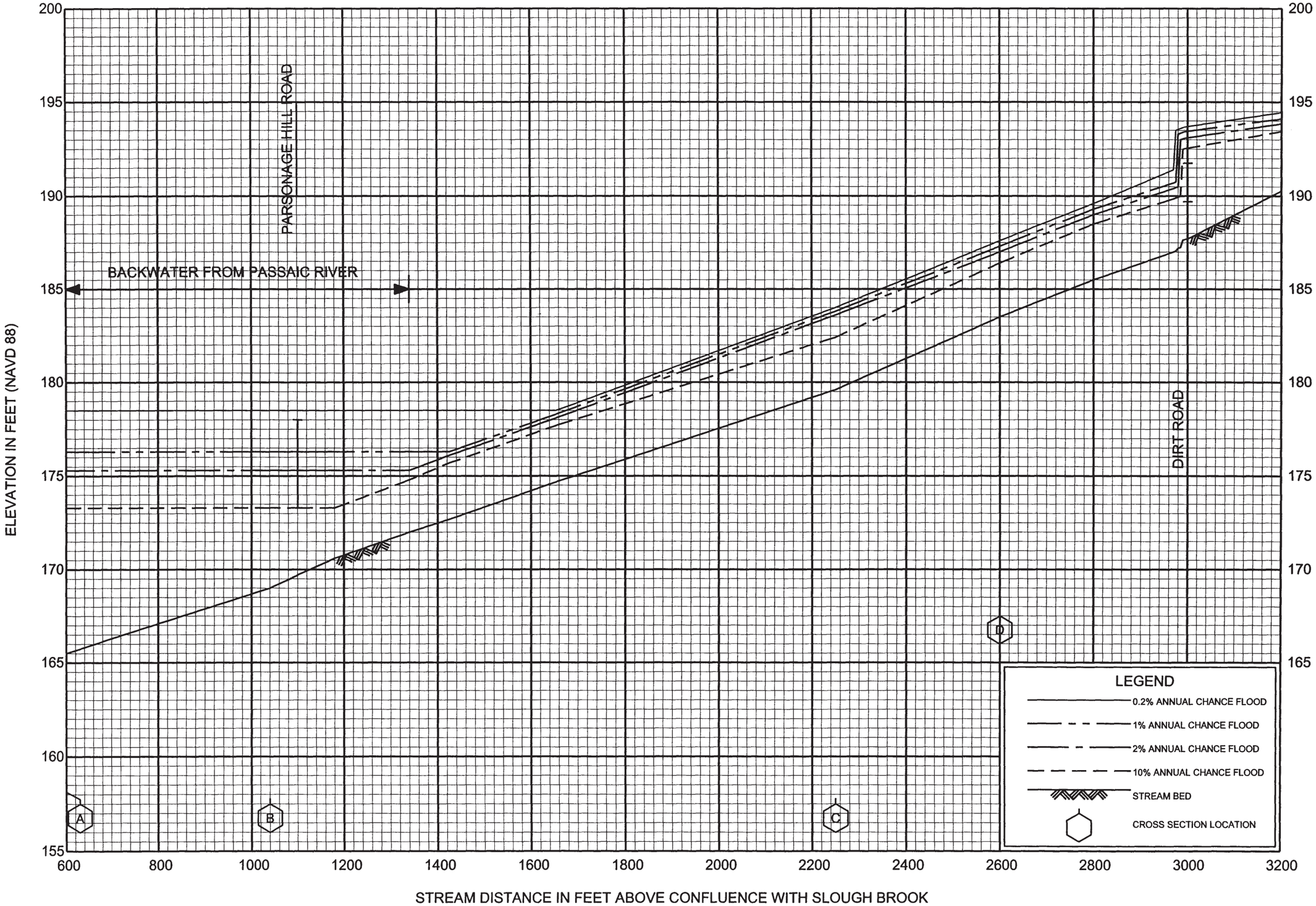
FLOOD PROFILES

SLOUGH BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



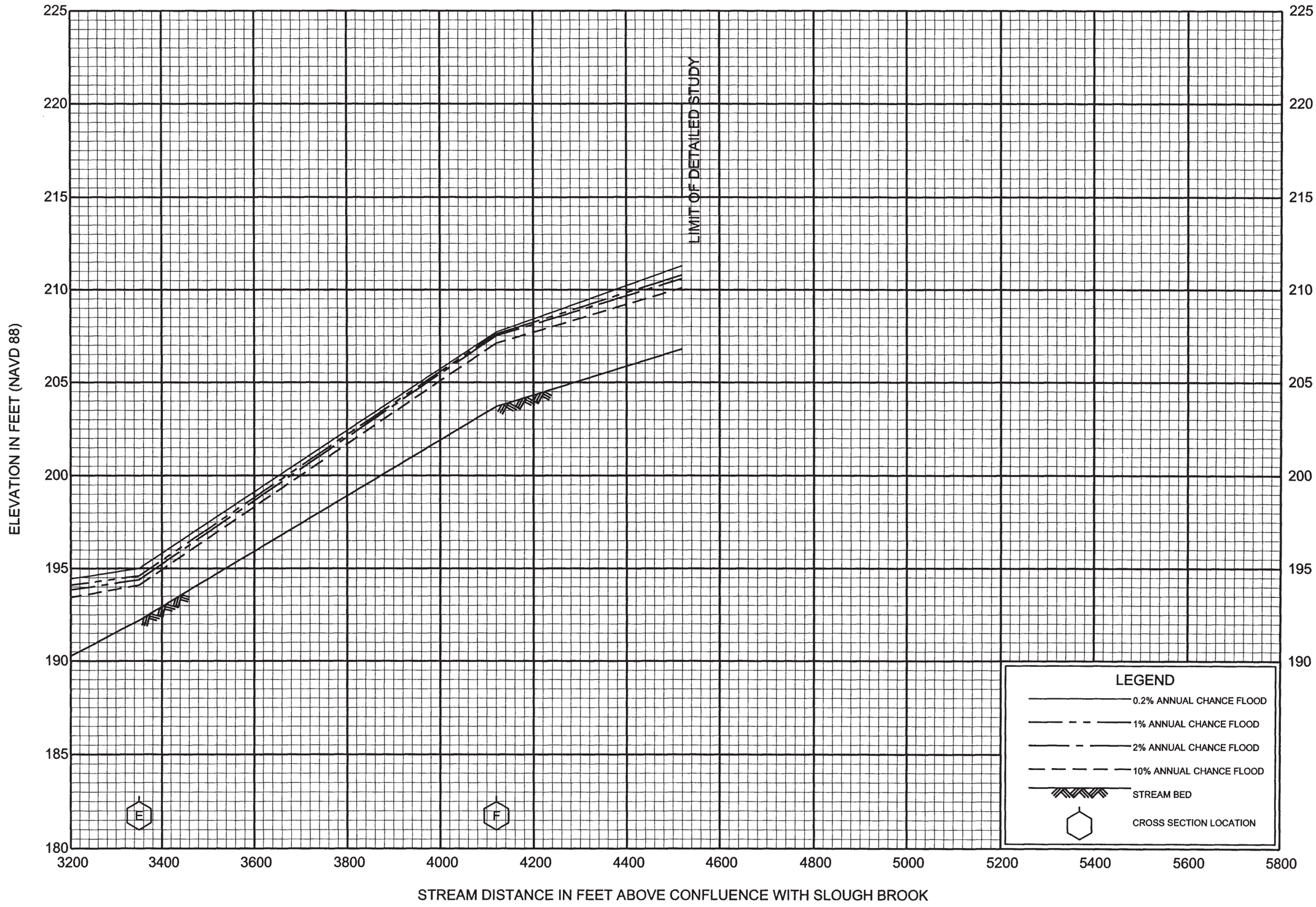
FLOOD PROFILES

SLOUGH BROOK TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



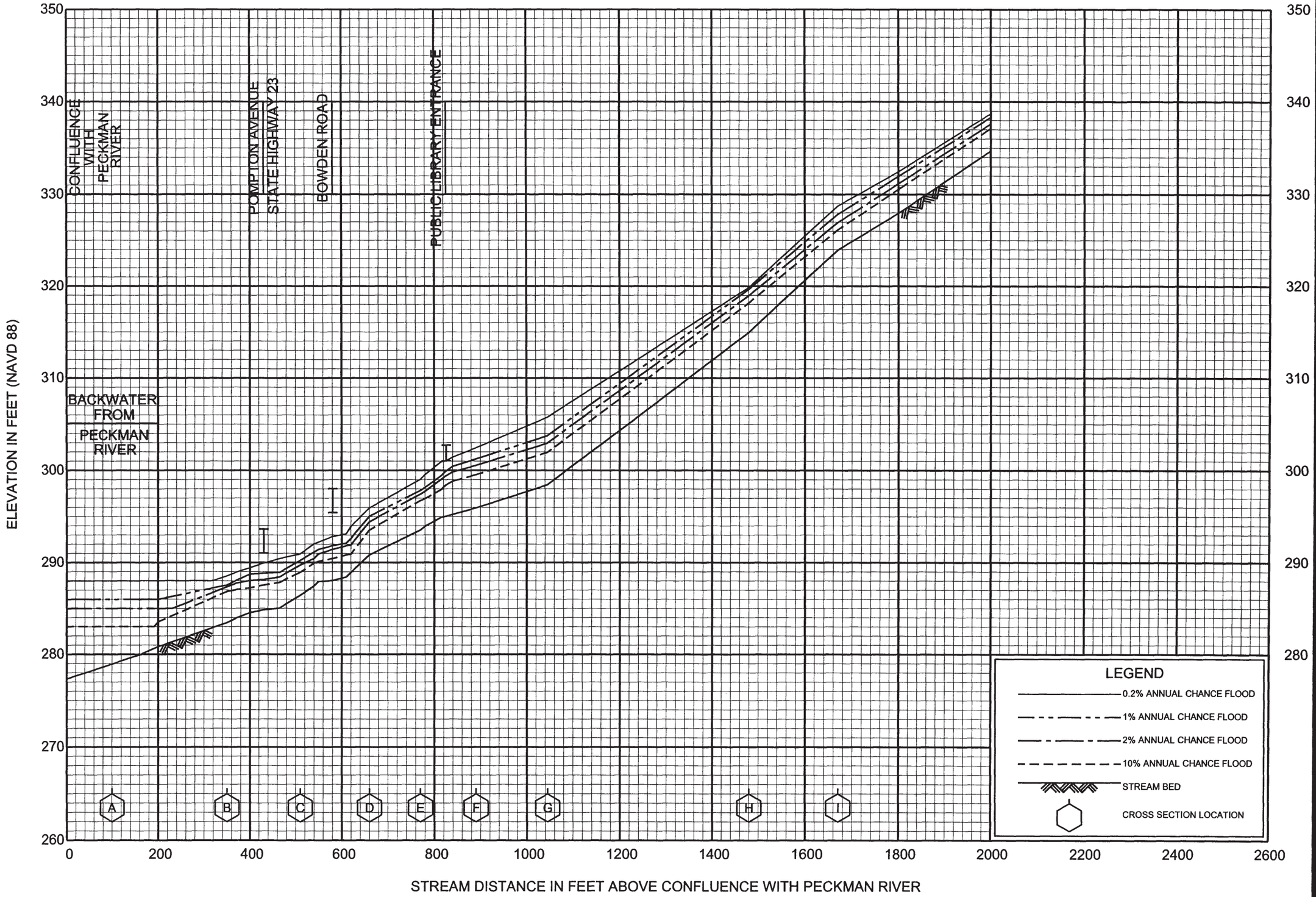
FLOOD PROFILES

SLOUGH BROOK TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



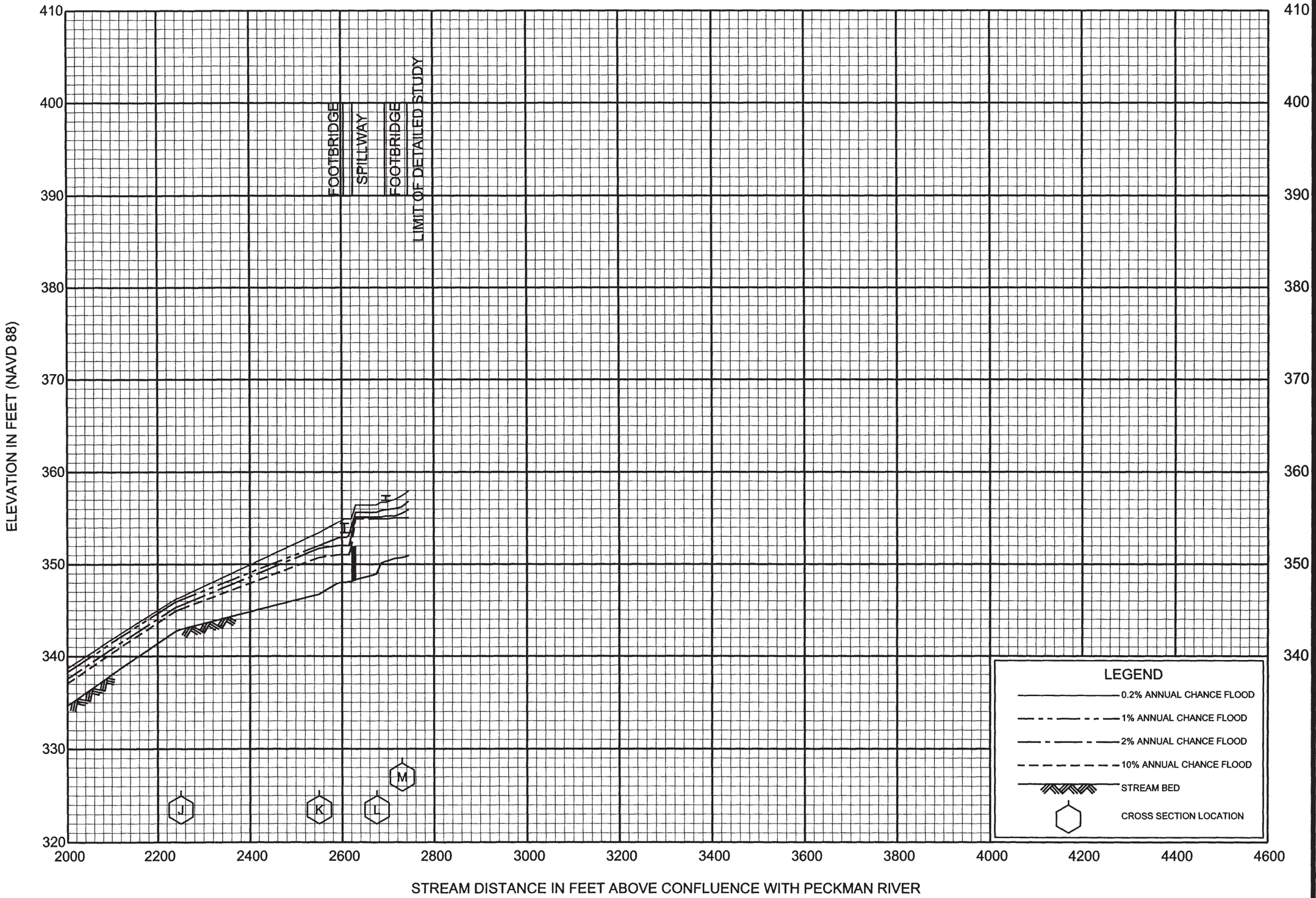
FLOOD PROFILES

TAYLOR BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



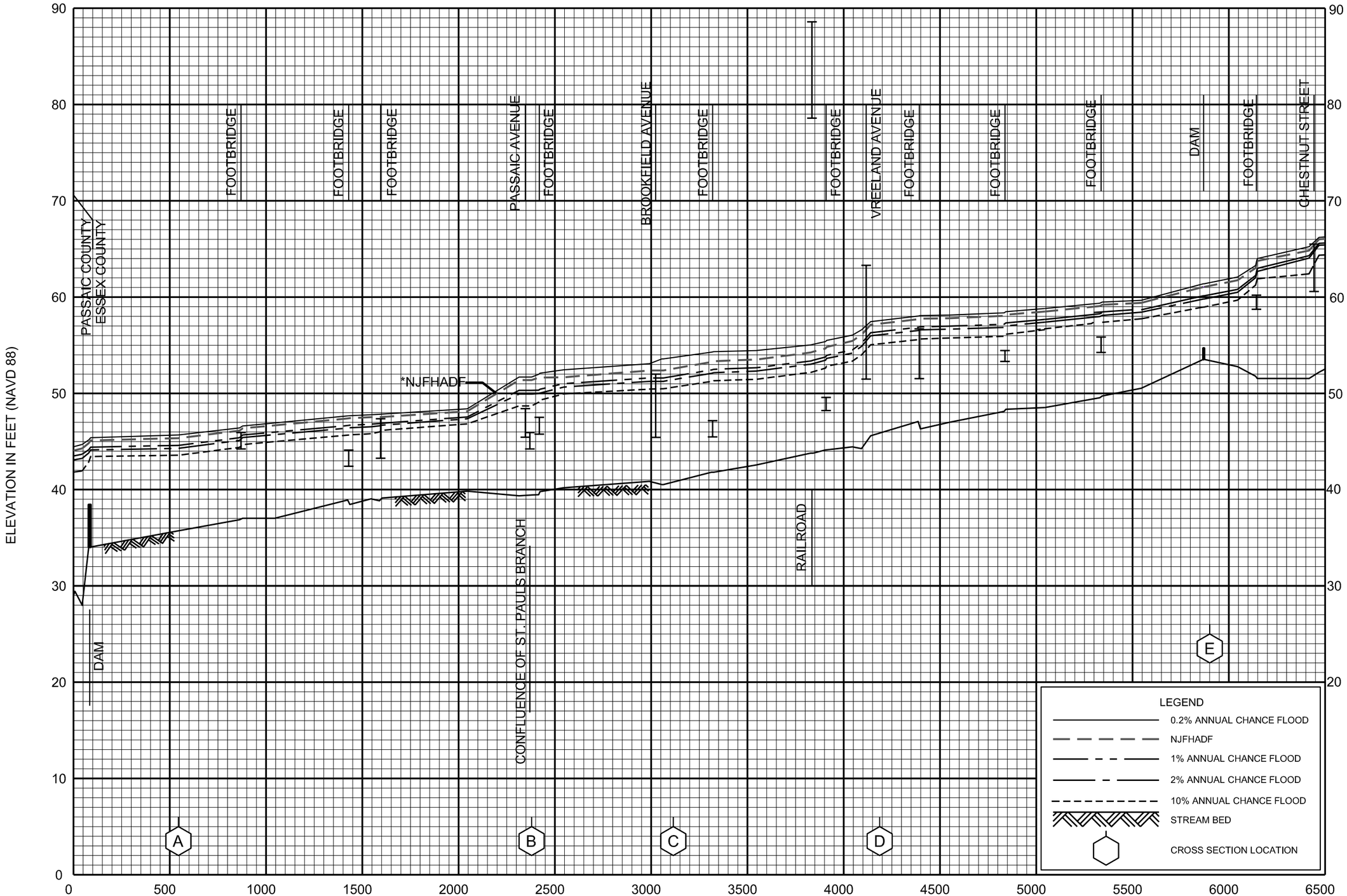
FLOOD PROFILES

TAYLOR BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

FLOOD PROFILES

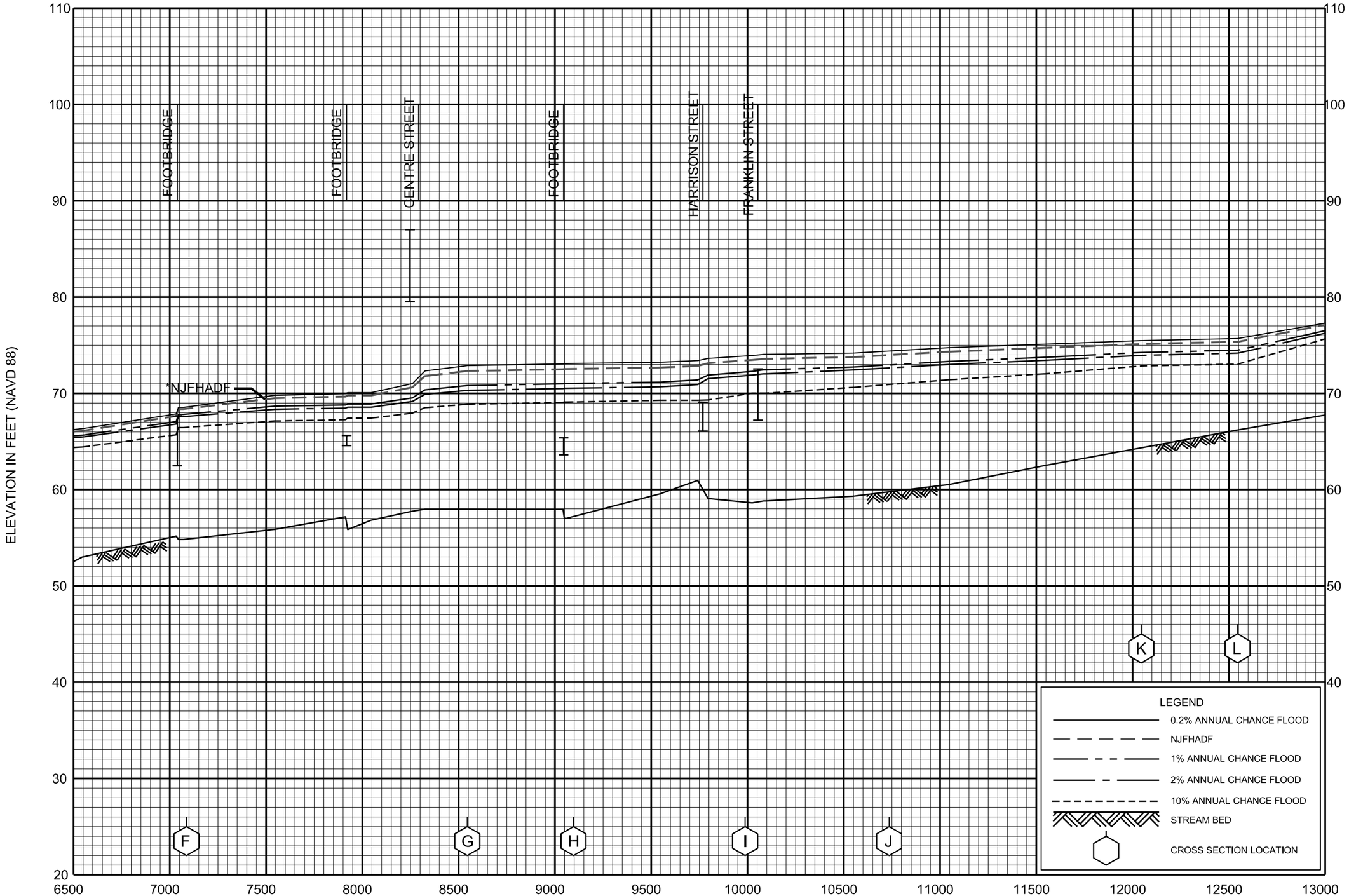
THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

185P



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

FLOOD PROFILES

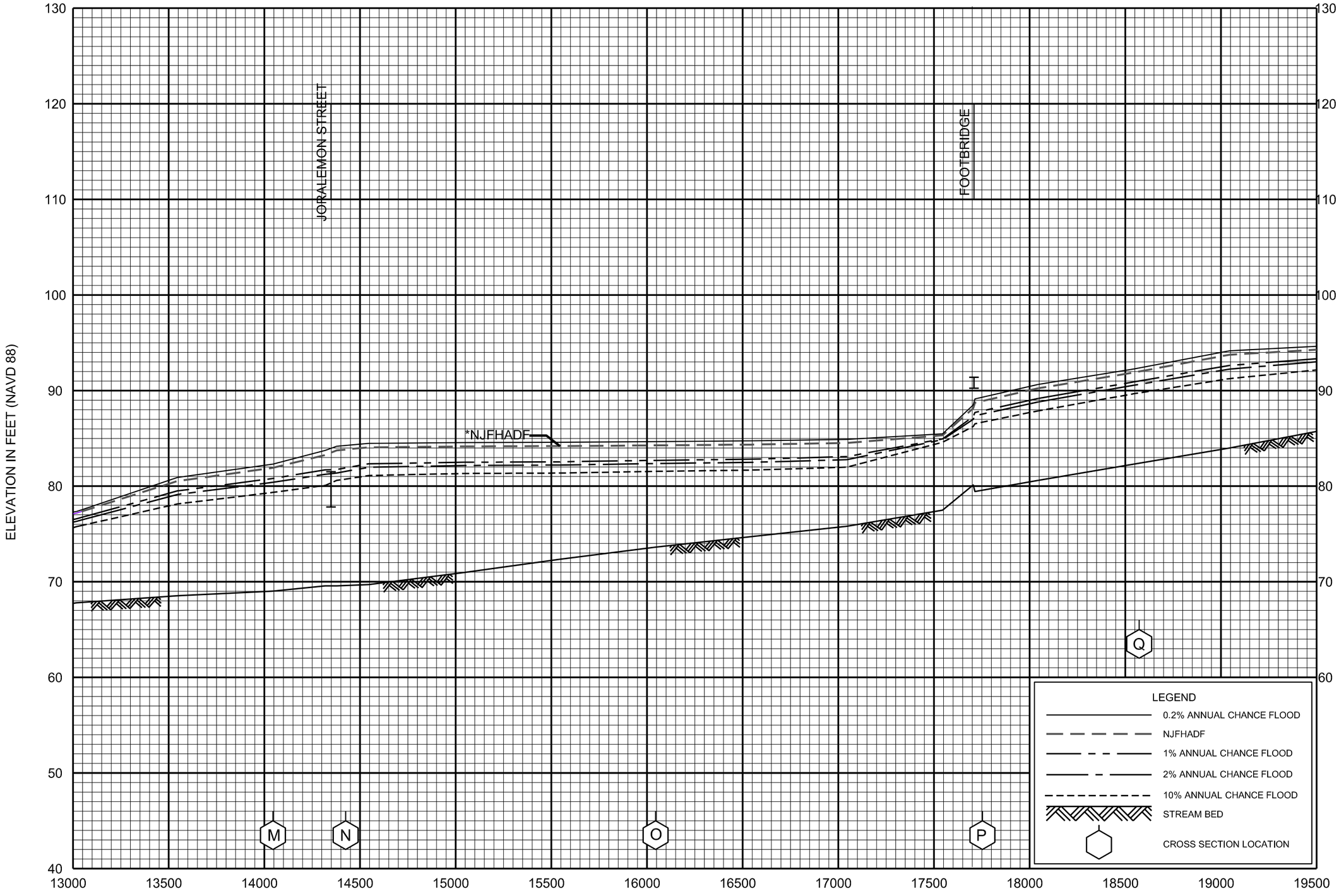
THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

186P



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

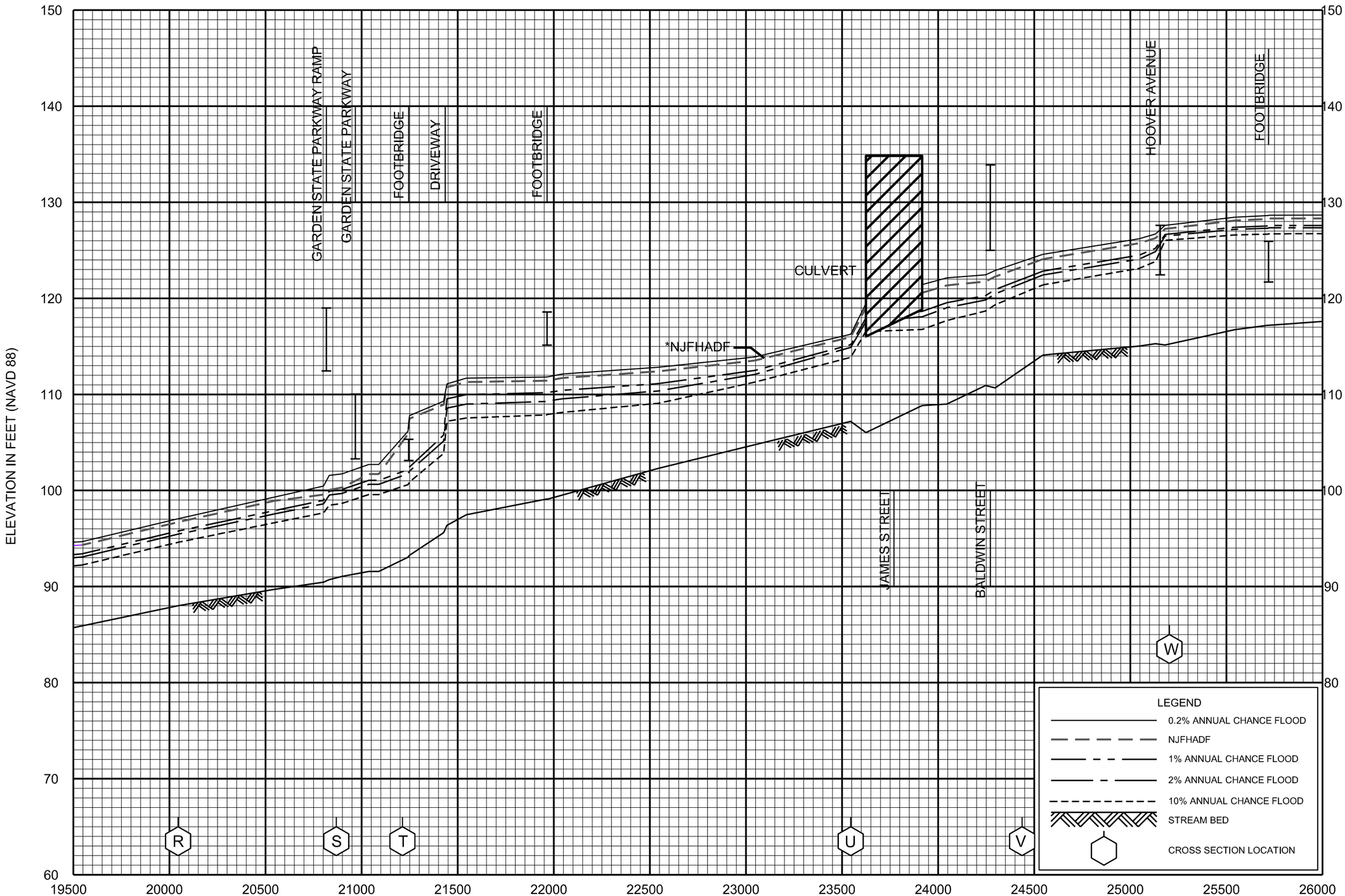
FLOOD PROFILES

THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH COUNTY BOUNDARY

FLOOD PROFILES

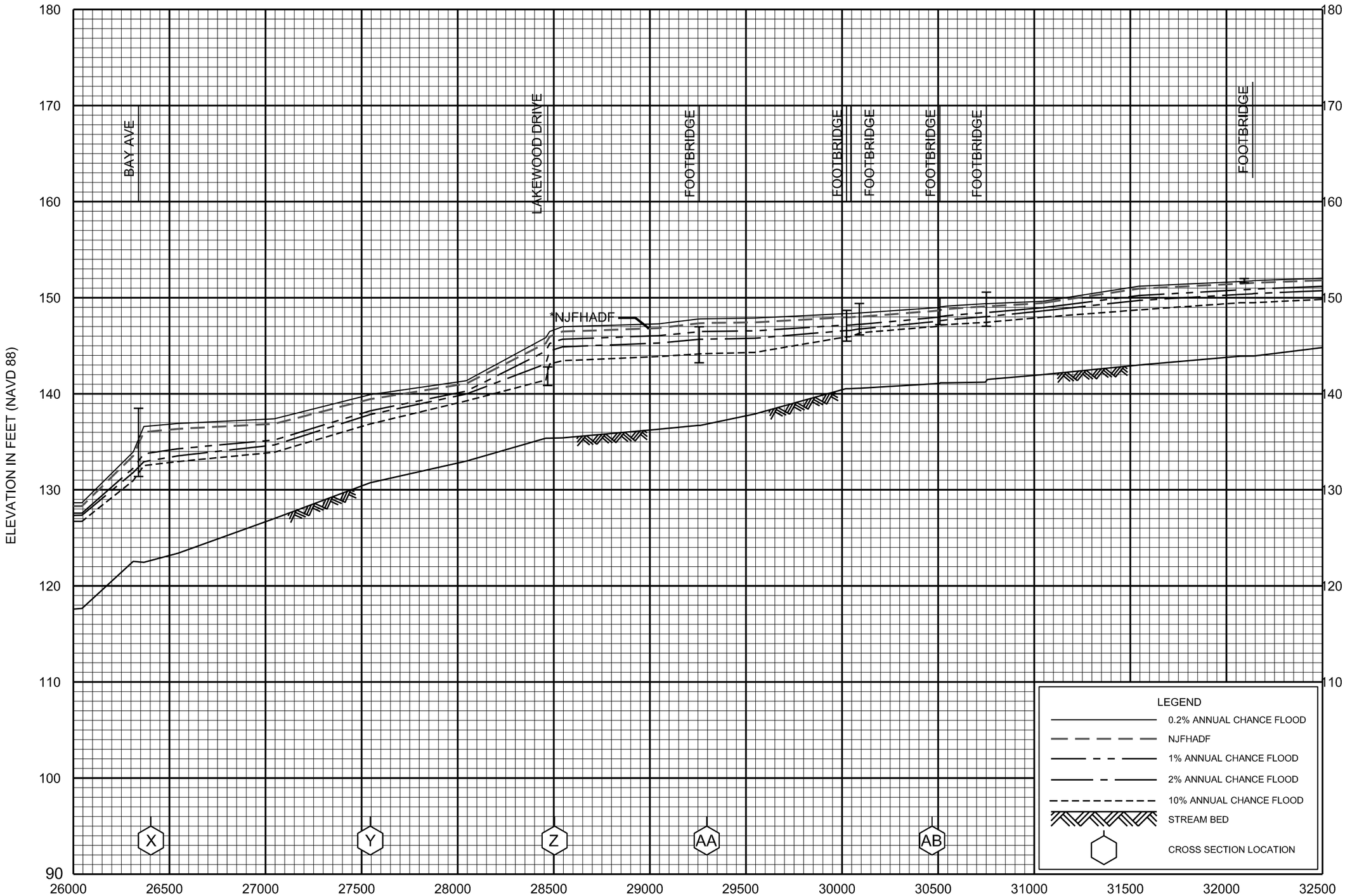
THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

188P



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

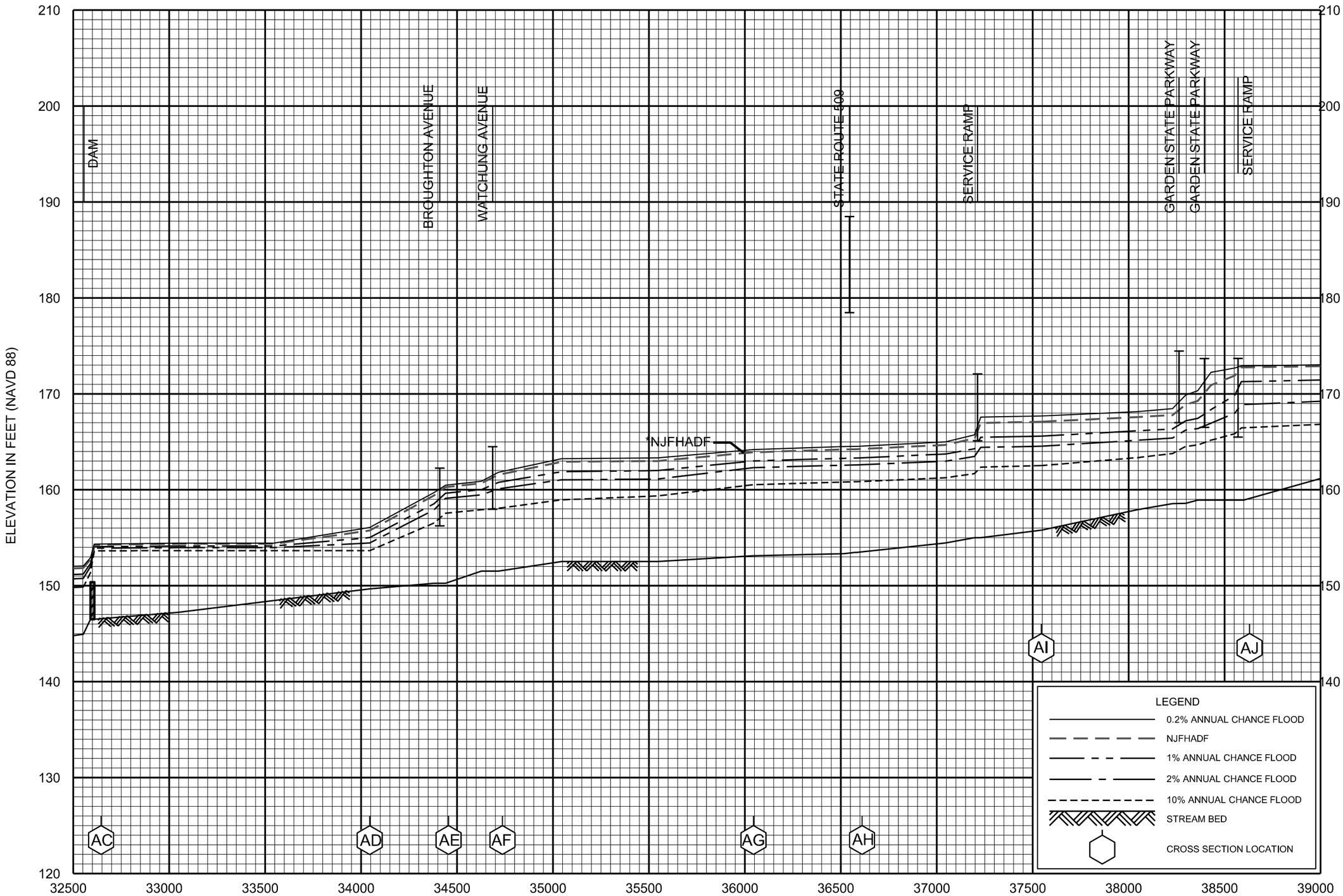
FLOOD PROFILES

THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

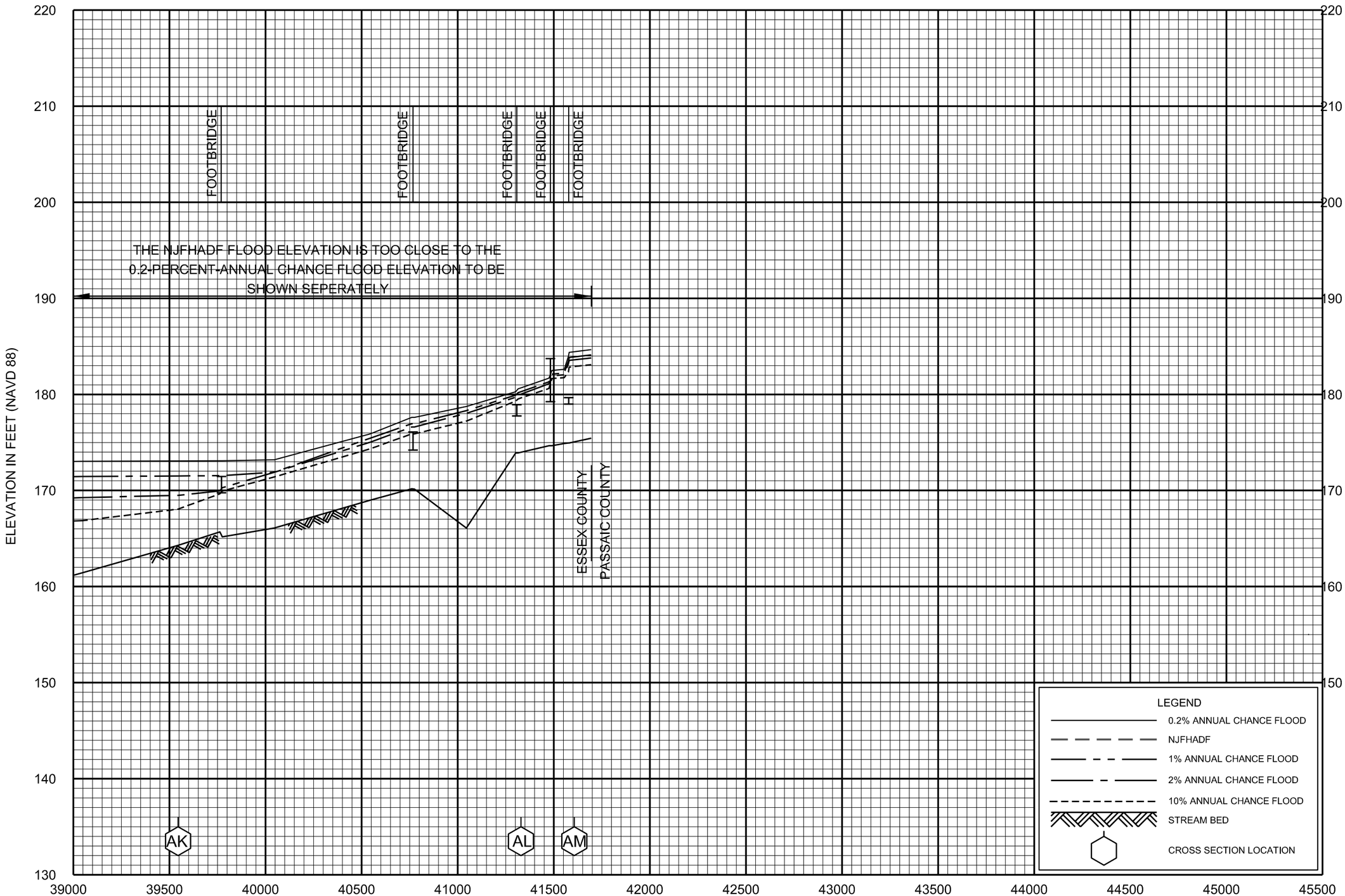
FLOOD PROFILES

THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH COUNTY BOUNDARY

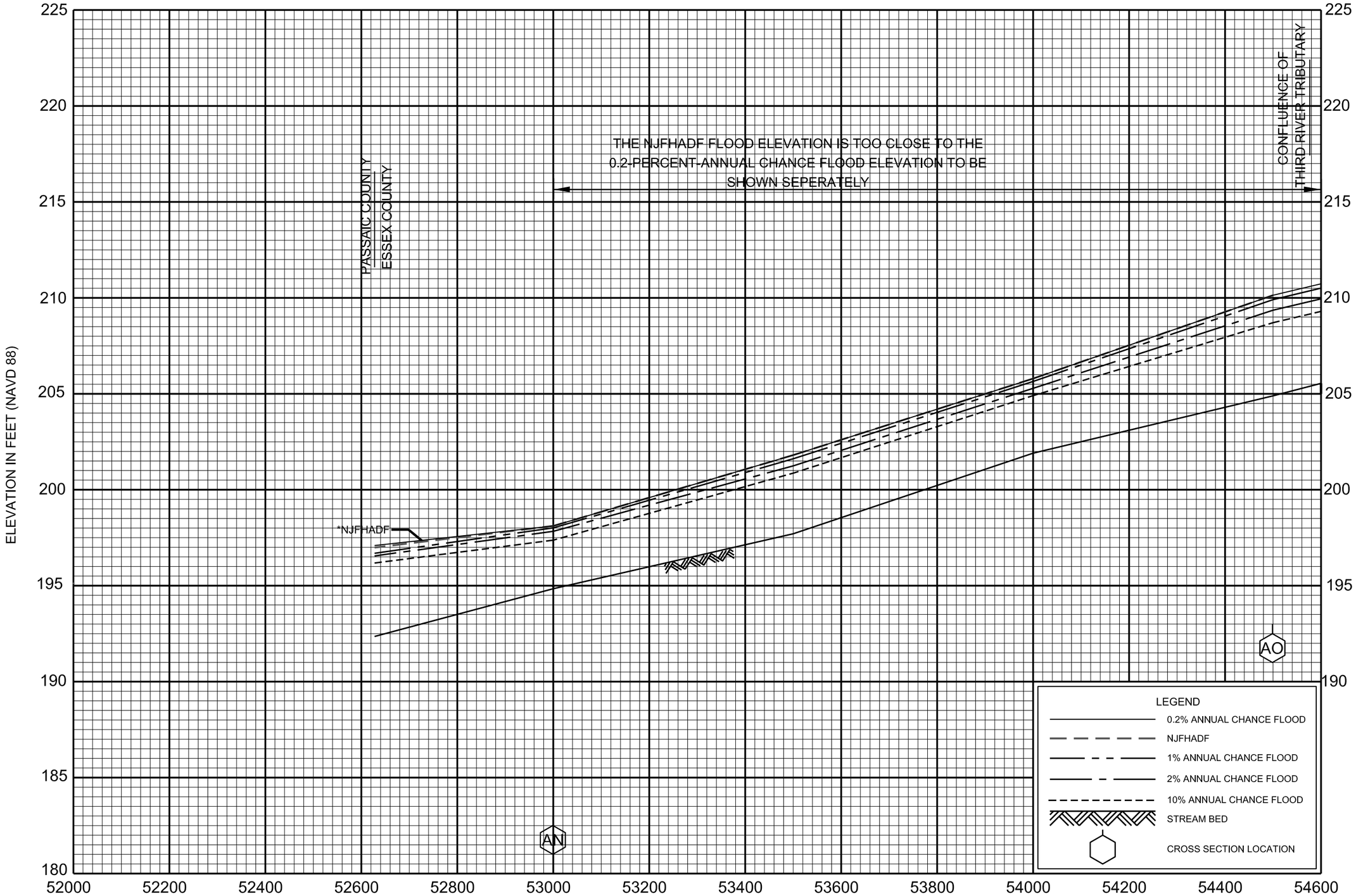
FLOOD PROFILES

THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

FLOOD PROFILES

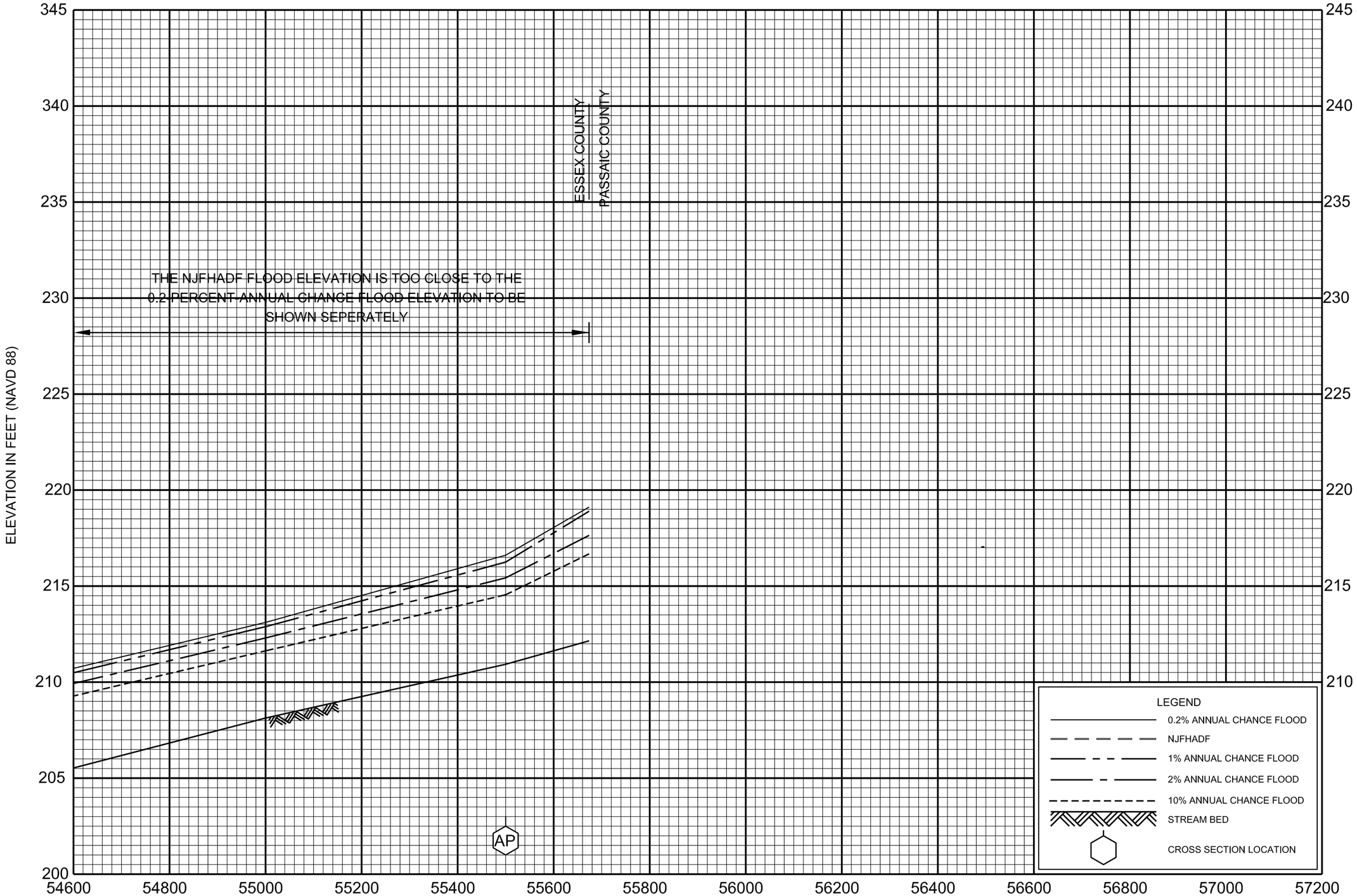
THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

192P



* NEW JERSEY FLOOD HAZARD AREA DESIGN FLOOD (NJFHADF) IS EQUAL TO THE 1-PERCENT-ANNUAL CHANCE FLOOD PLUS AN ADDITIONAL 25% IN FLOW, AND NOT TO EXCEED THE 0.2-PERCENT-ANNUAL CHANCE FLOOD.

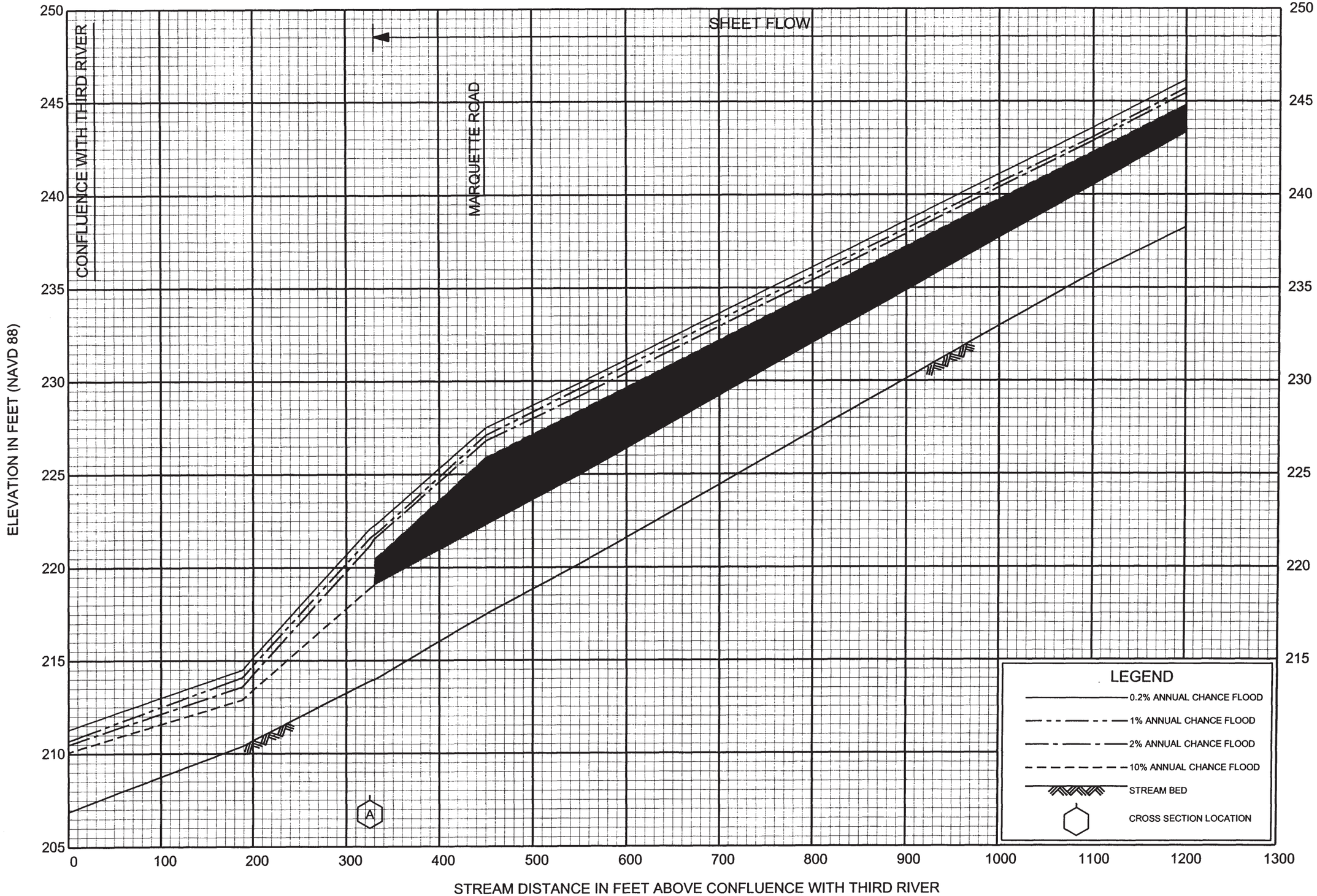
FLOOD PROFILES

THIRD RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ
(ALL JURISDICTIONS)

193P



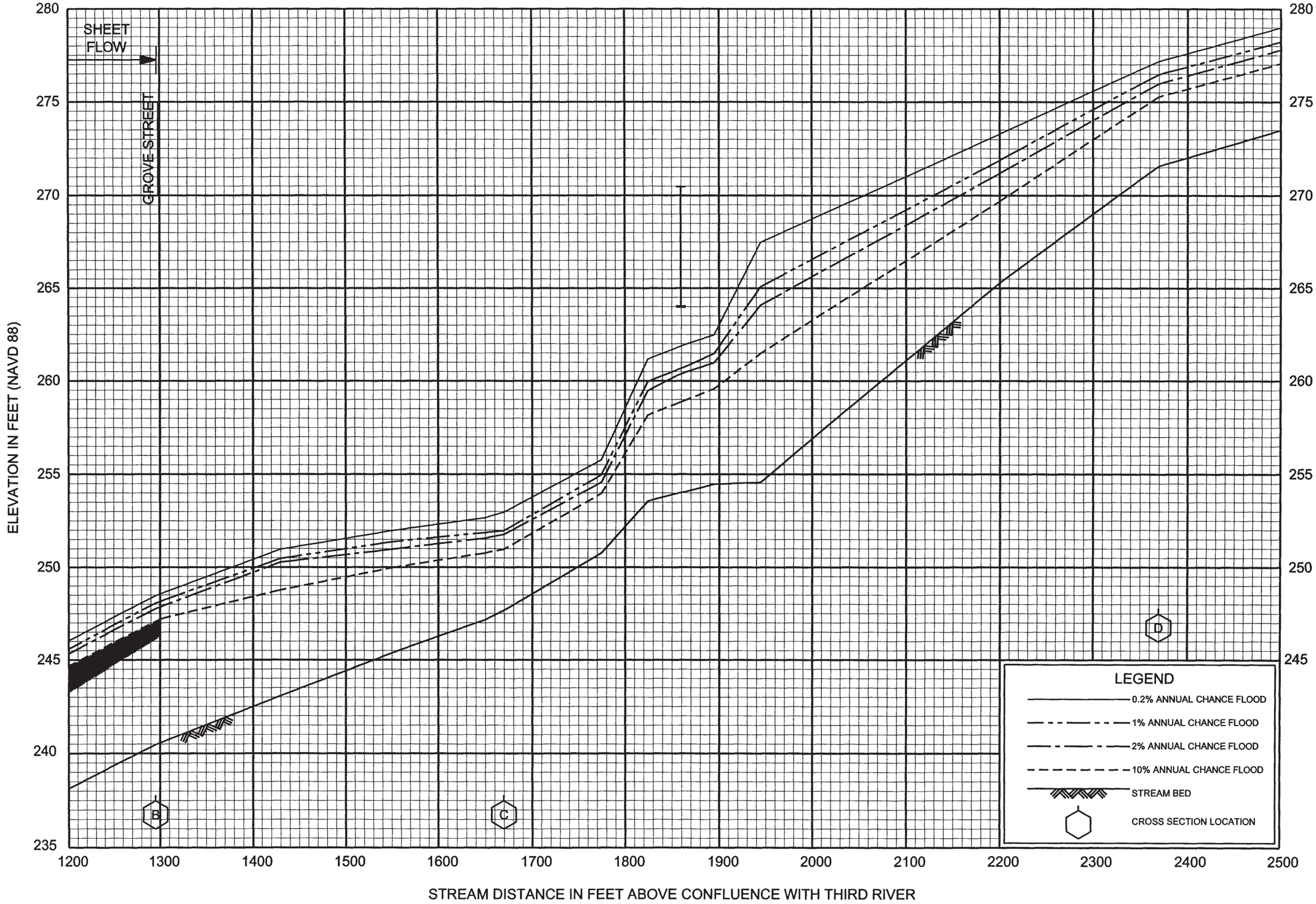
FLOOD PROFILES

THIRD RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



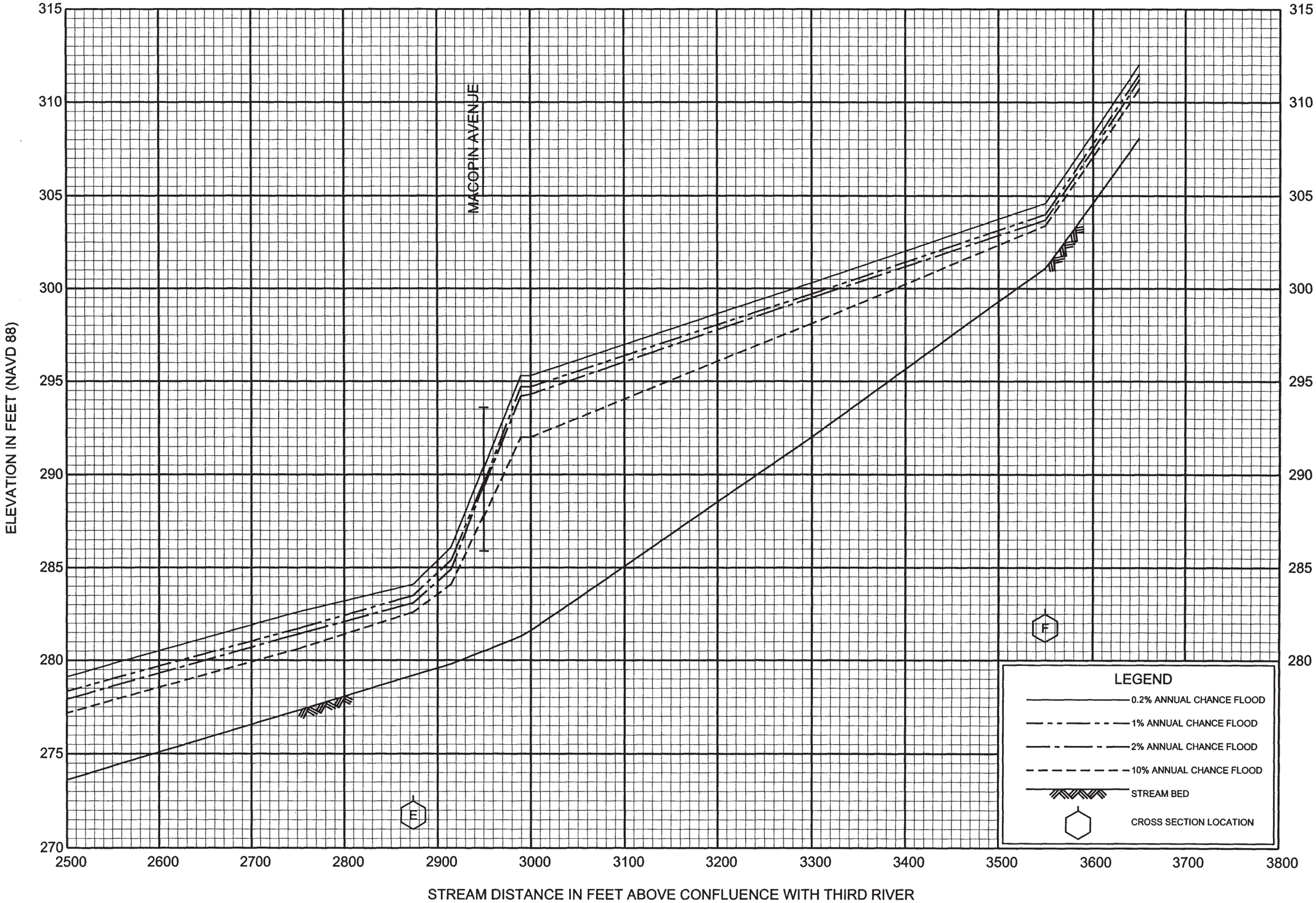
FLOOD PROFILES

THIRD RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



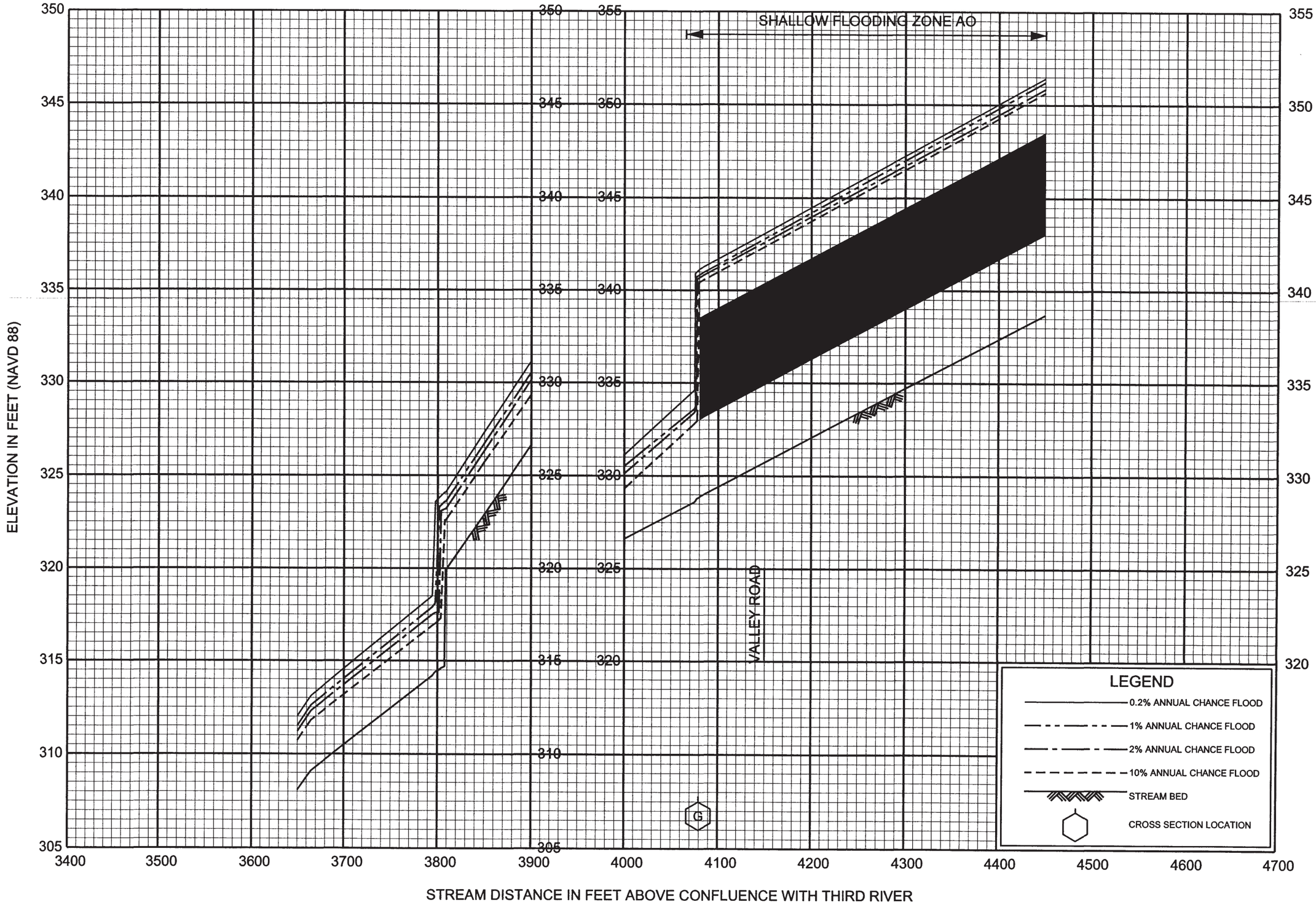
FLOOD PROFILES

THIRD RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

ALL JURISDICTIONS



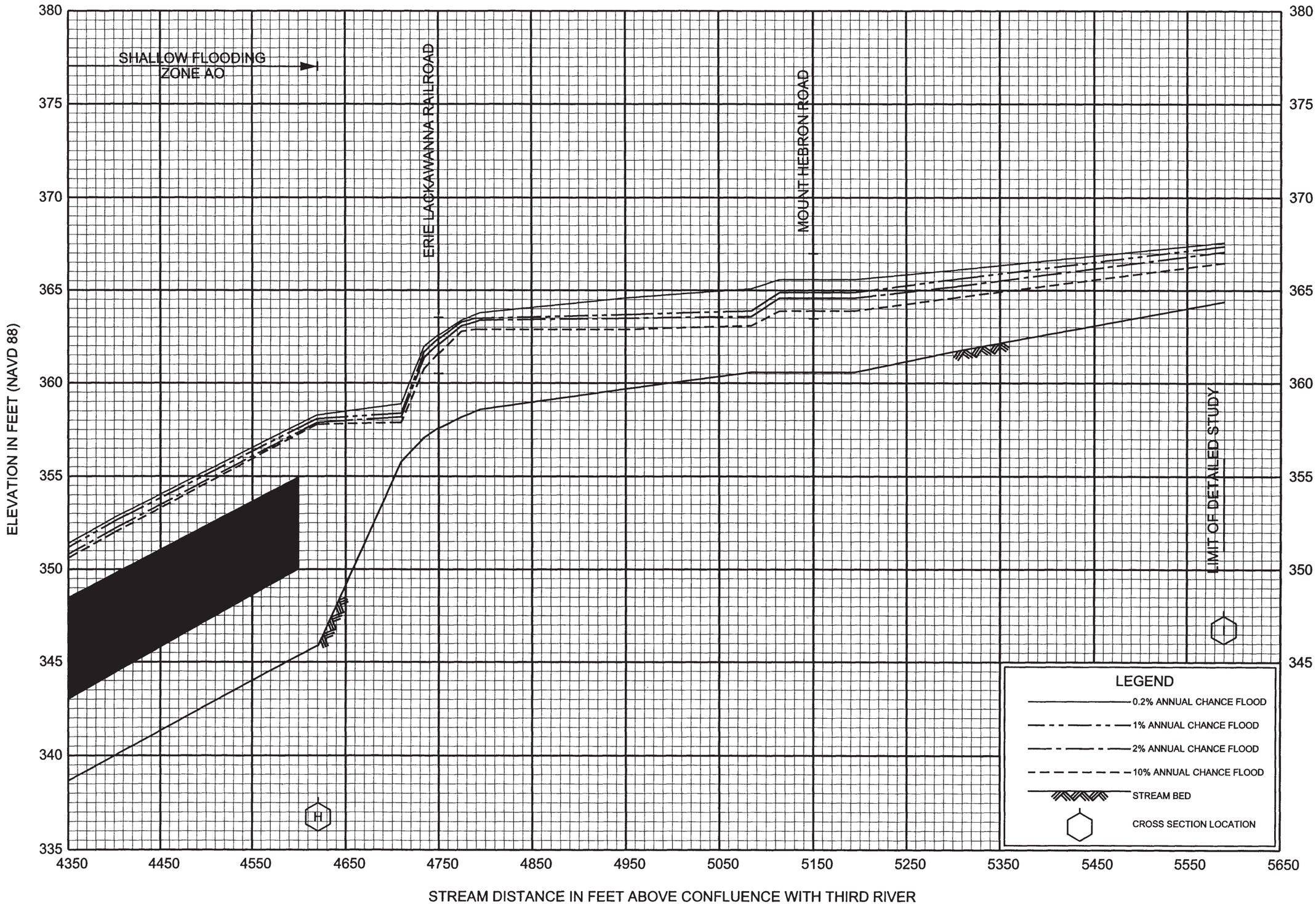
FLOOD PROFILES

THIRD RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ
ALL JURISDICTIONS

197P



FLOOD PROFILES

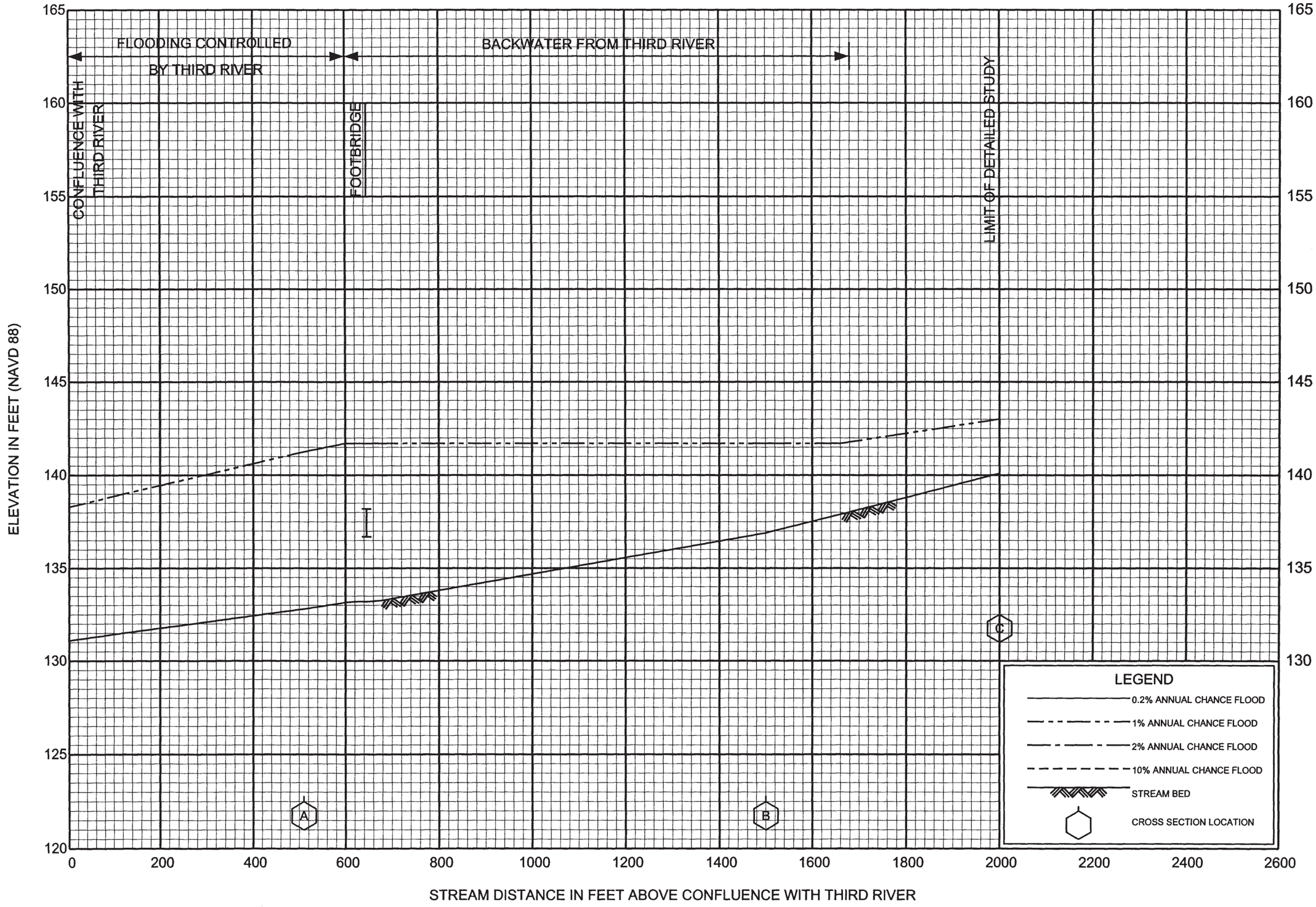
THIRD RIVER TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

198P



FLOOD PROFILES

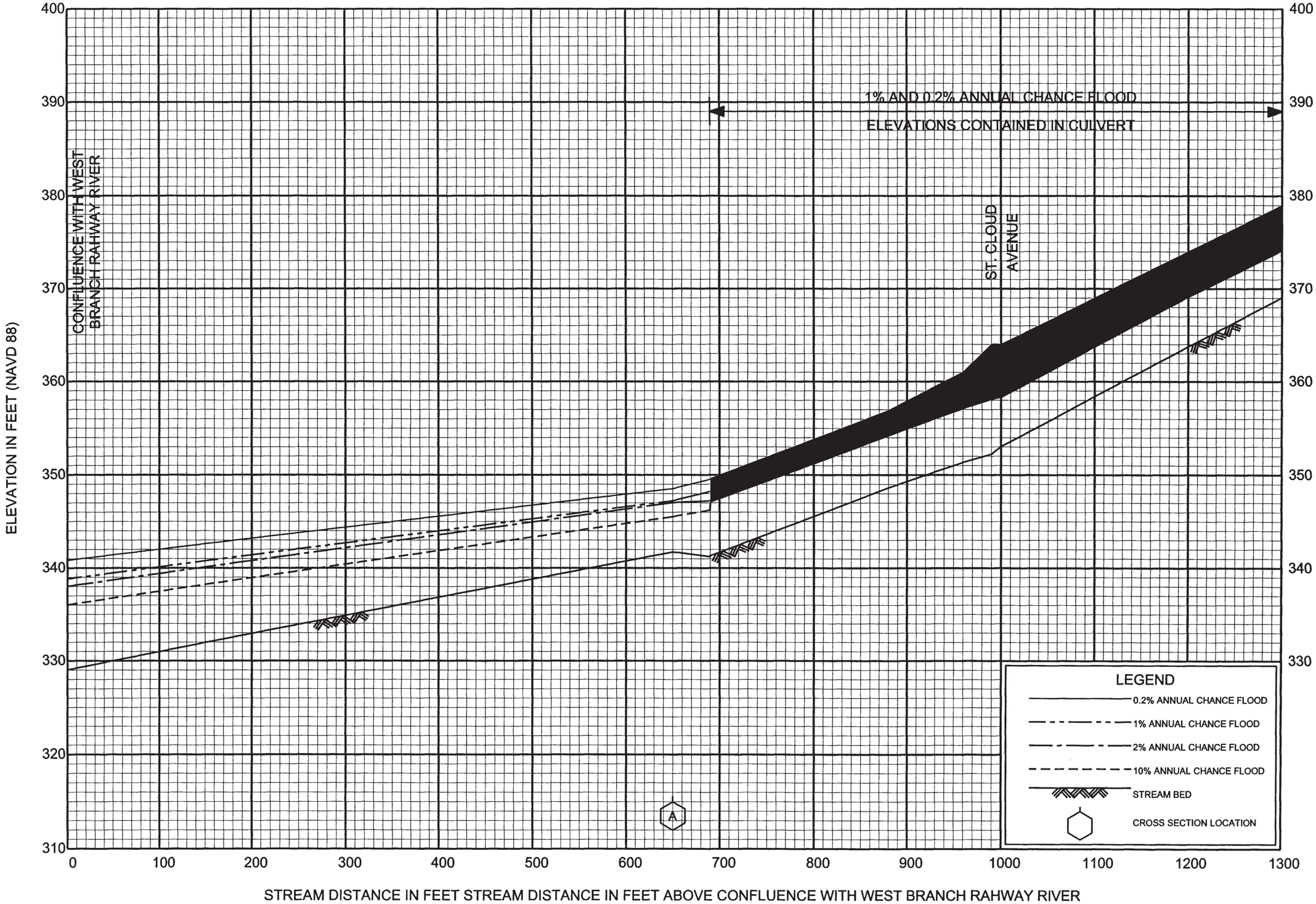
THIRD RIVER TRIBUTARY NO. 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

199P



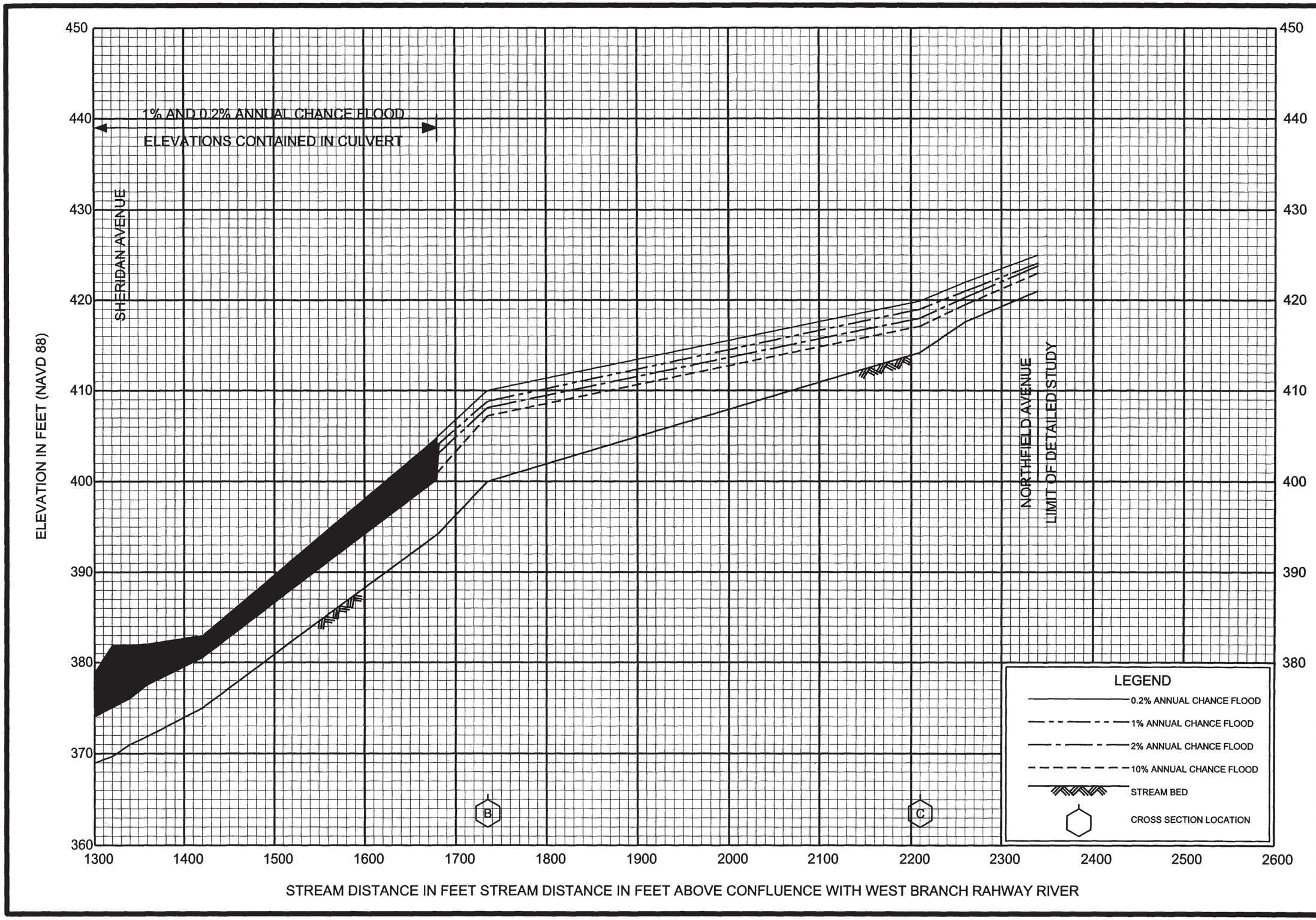
FLOOD PROFILES

TURTLE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

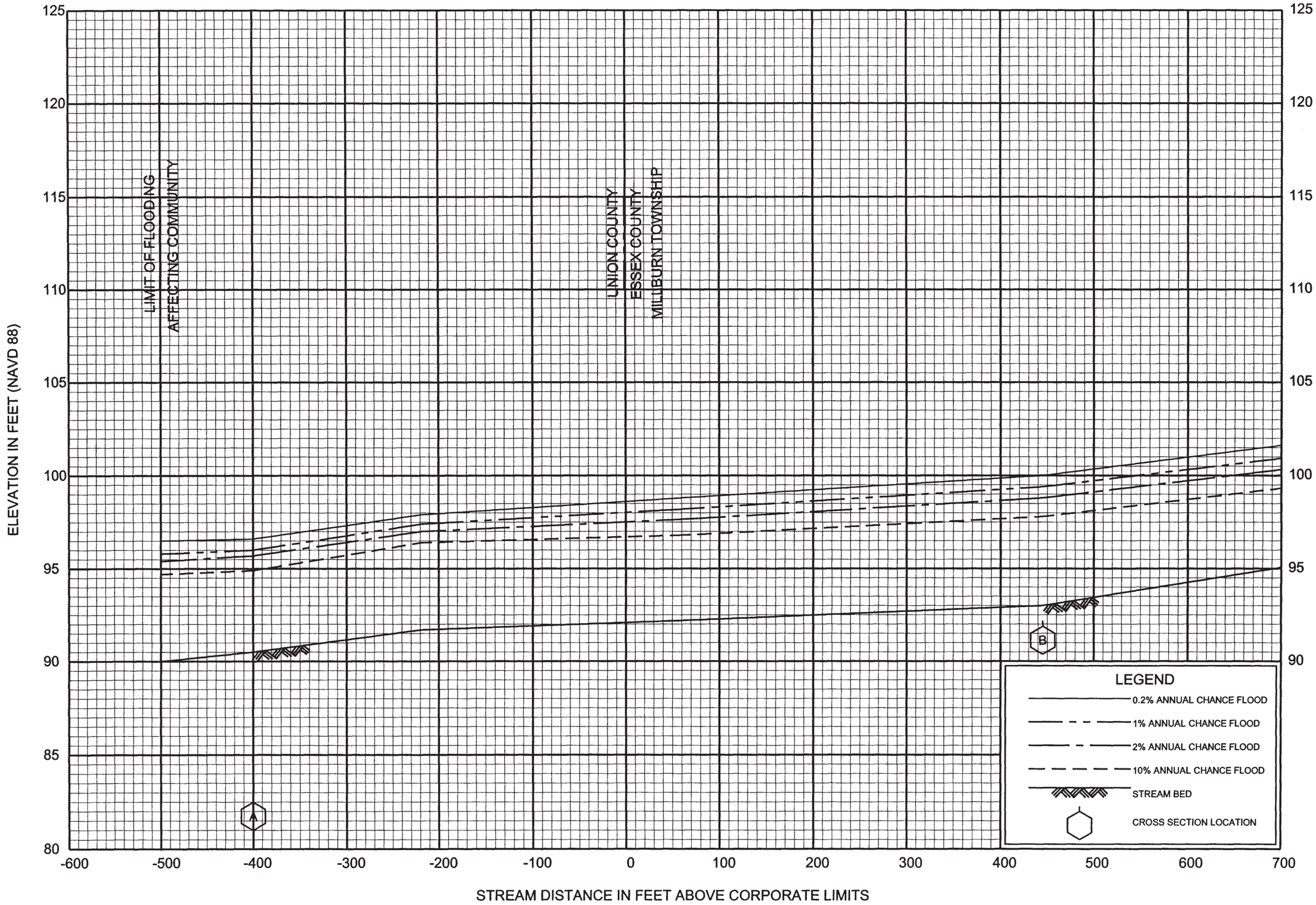
TURTLE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

201P



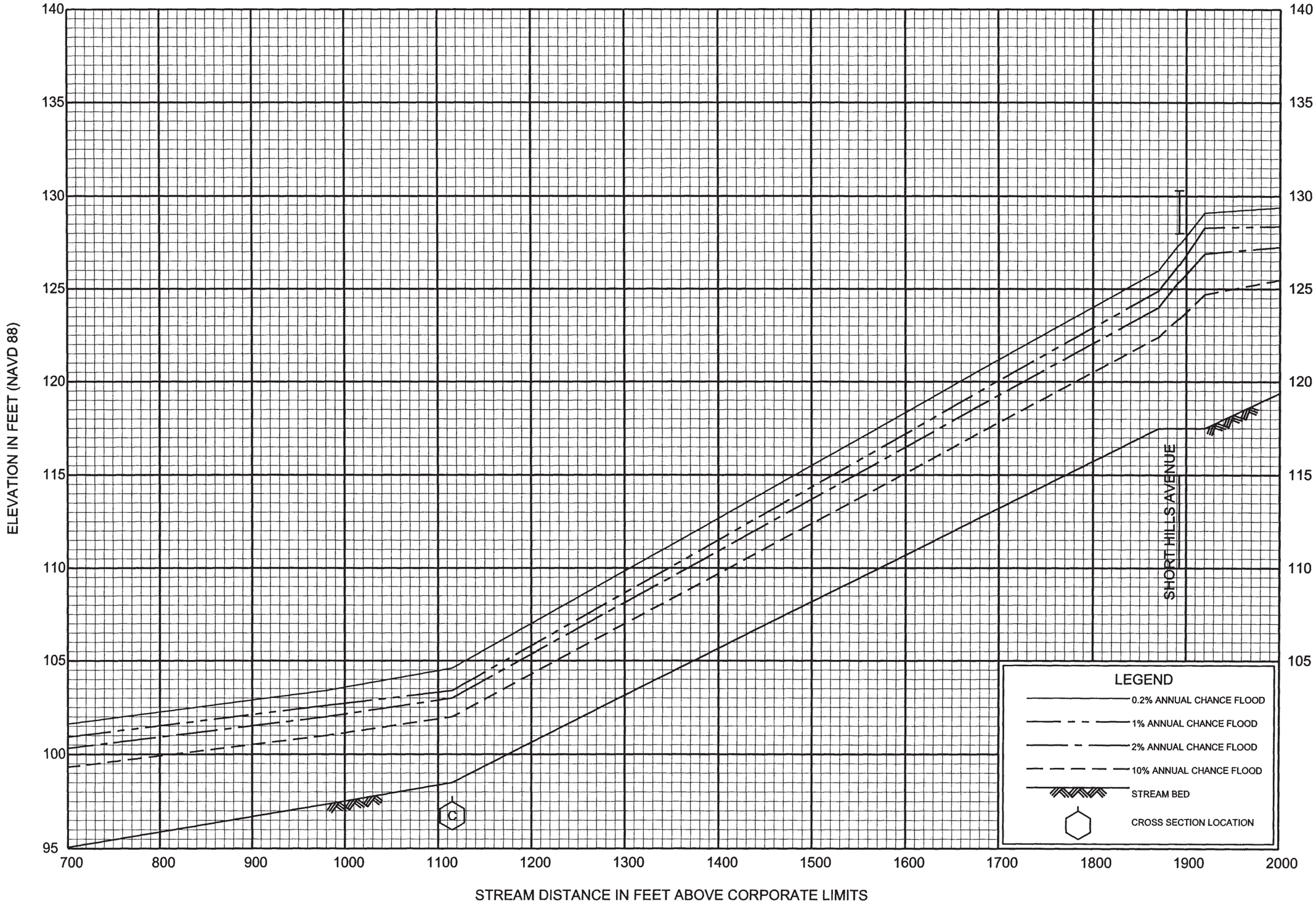
FLOOD PROFILES

VAN WINKLES BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

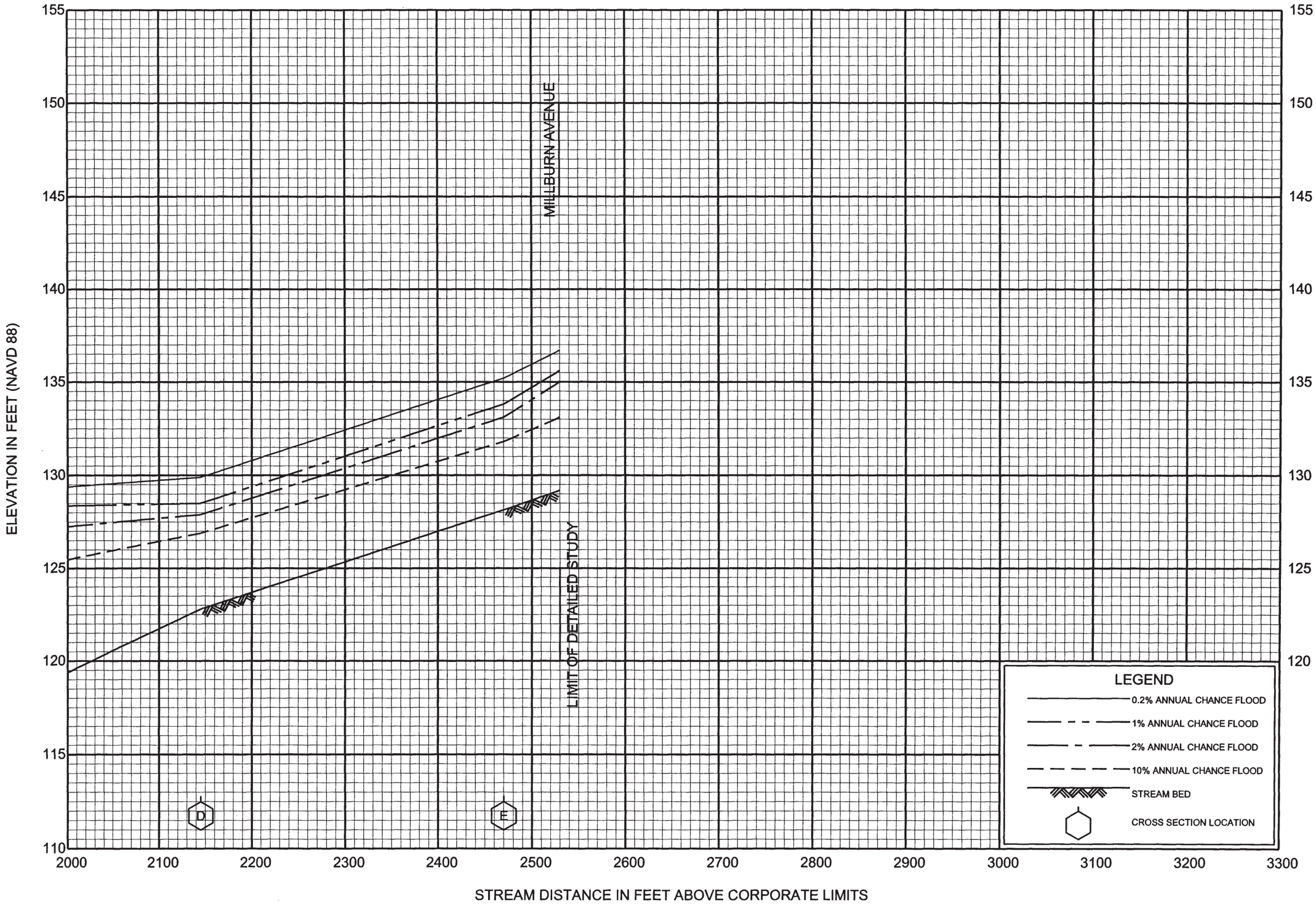
VAN WINKLES BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)

203P



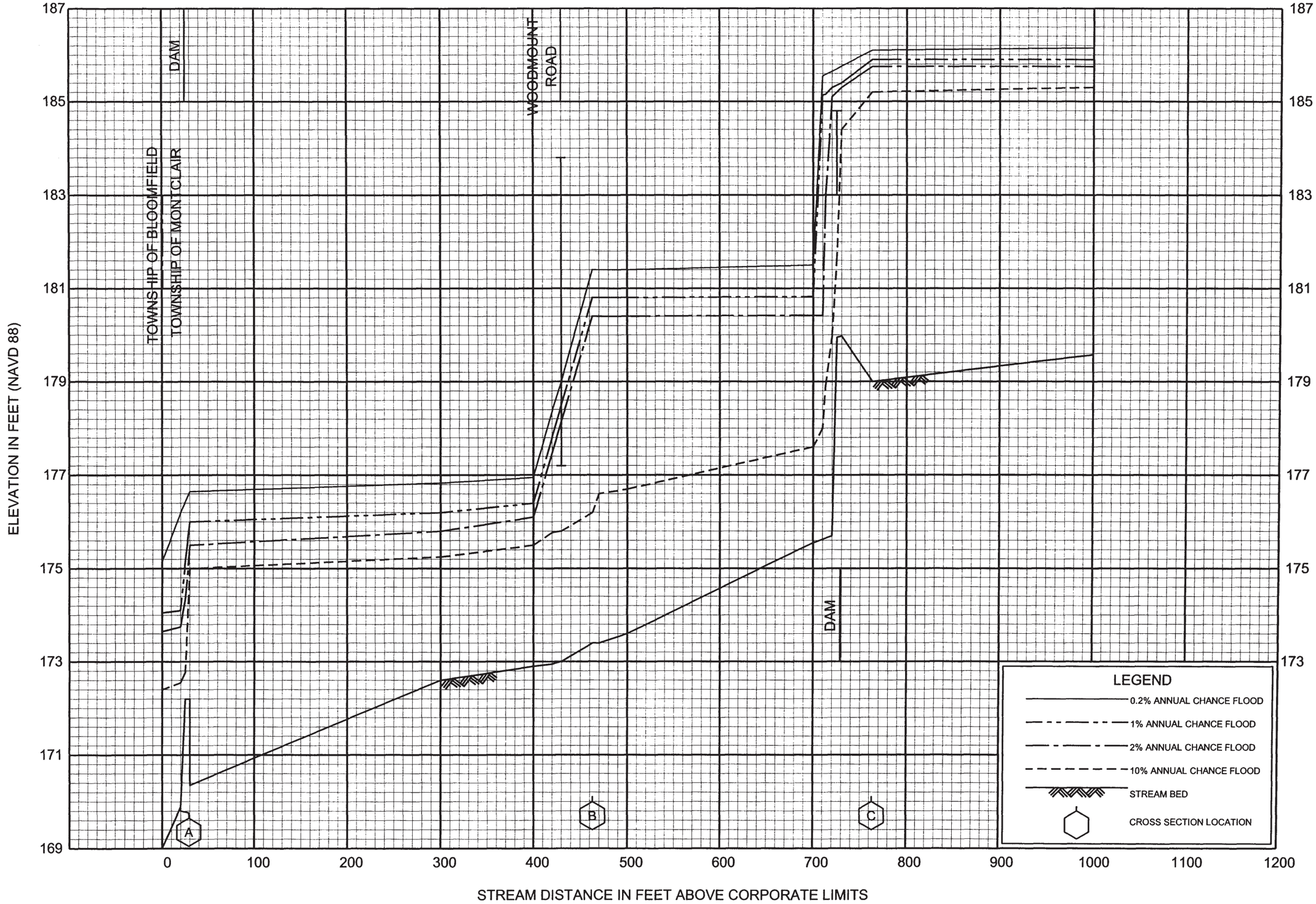
FLOOD PROFILES

VAN WINKLES BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



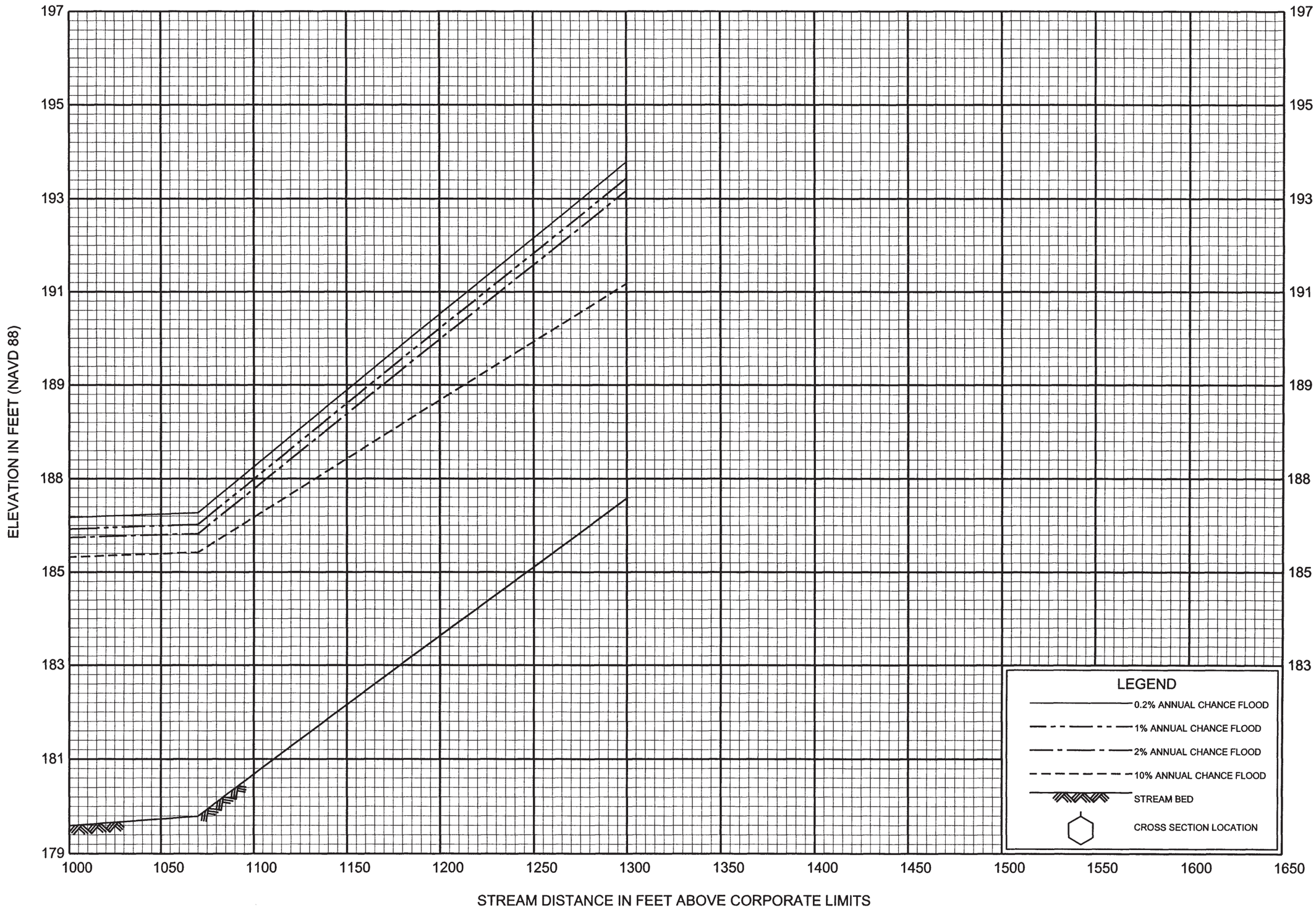
FLOOD PROFILES

YANTACAW BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



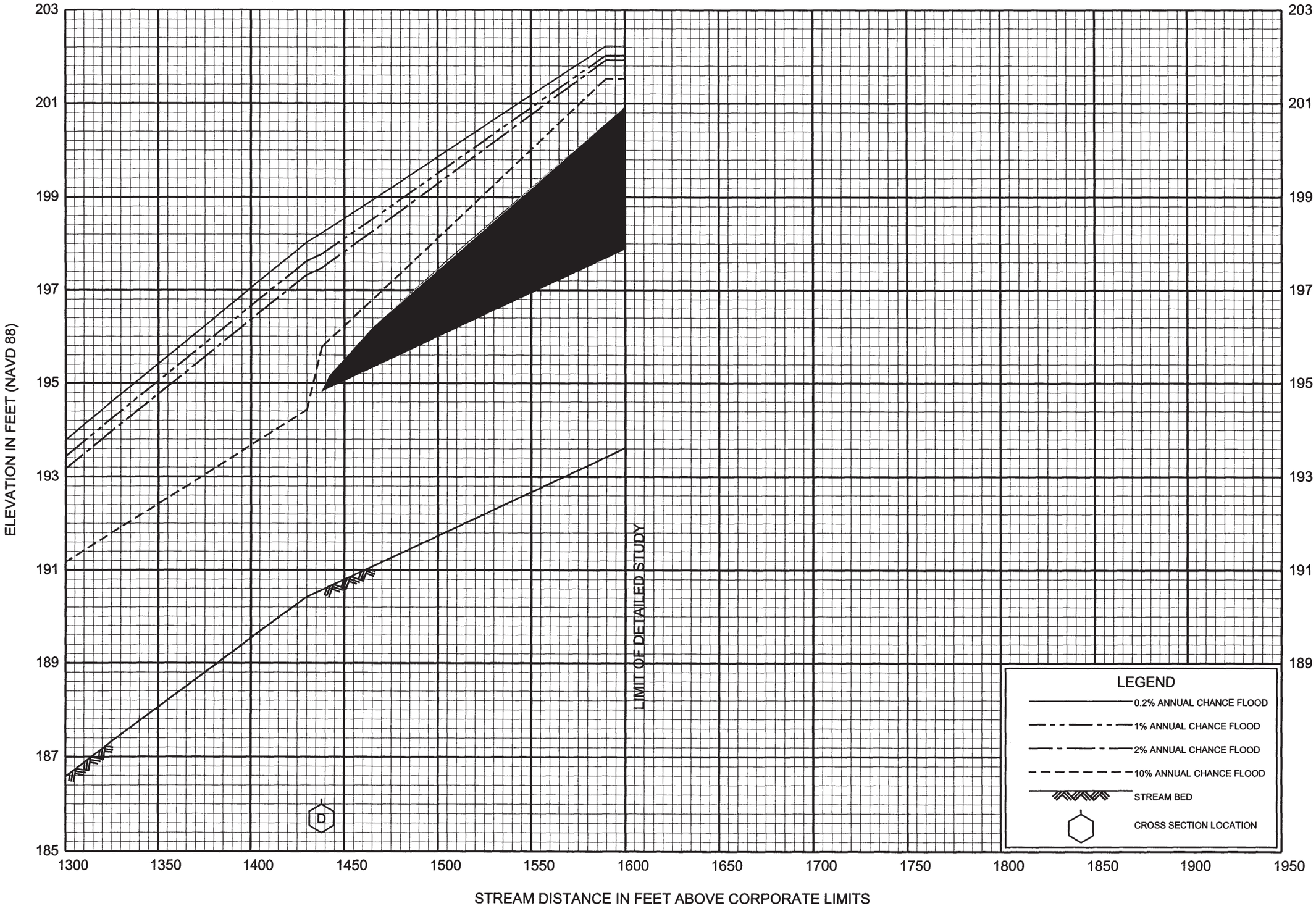
FLOOD PROFILES

YANTACAW BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)



FLOOD PROFILES

YANTACAW BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ESSEX COUNTY, NJ

(ALL JURISDICTIONS)