ST. CLAIR COUNTY, ALABAMA

AND INCORPORATED AREAS

Volume 2 of 2

COMMUNITY NAME	COMMUNITY NUMBER
ARGO, CITY OF	010450
ASHVILLE, CITY OF	010186
BLUE MOUNTAIN, TOWN OF	010467
BRANCHVILLE, TOWN OF	010372
LEEDS, CITY OF	010125
MARGARET, CITY OF	010393
MOODY, CITY OF	010187
ODENVILLE, CITY OF	010188
PELL CITY, CITY OF	010189
RAGLAND, TOWN OF	010190
RIVERSIDE, CITY OF	010288
SPRINGVILLE, CITY OF	010289
ST. CLAIR COUNTY (UNINCORPORATED AREAS)	010290
STEELE, TOWN OF	010291
TRUSSVILLE, CITY OF	010133

PRELIMINARY DATE
MARCH 27, 2015

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER

01115CV002B

NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program (NFIP) have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) 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 FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Initial Countywide FIS Effective Date: June 19, 2012

Revised Countywide FIS Date: March 27, 2015 (Preliminary)

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Cahaba River	Panel 24P
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Exhibit 2 - Flood Insurance Rate Map Index
Flood Insurance Rate Map

FLOOD INSURANCE STUDY
ST. CLAIR COUNTY, ALABAMA AND INCORPORATED AREAS

1.0 INTRODUCTION

1.1 Purpose of Study

This Flood Insurance Study (FIS) revises and updates information on the existence and severity of flood hazards in the geographic area of St. Clair County, Alabama, including the Cities of Argo, Ashville, Margaret, Moody, Odenville, Pell City, Riverside, Springville and Trussville, the Towns of Blue Mountain, Branchville, Ragland and Steele, and the unincorporated areas of St. Clair County (hereinafter referred to collectively as St. Clair County).

The City of Trussville is located in St. Clair and Jefferson Counties. Only the portion of Trussville in St. Clair County is shown in this FIS.

The City of Argo is located in St. Clair and Jefferson Counties. Only the portion of Argo in St. Clair County is shown in this FIS.

The City of Leeds is located in St. Clair, Shelby and Jefferson Counties. It is shown in its entirety in the Shelby County FIS and the Jefferson County FIS.

The Town of Vincent is located in St. Clair and Shelby Counties. It is shown in its entirety in the Shelby County FIS.

This FIS aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This study has developed flood-risk data for various areas of the community that will be used to establish actuarial flood insurance rates and to assist the community in its efforts to promote sound floodplain management. Minimum floodplain management requirements for participation in the National Flood Insurance Program (NFIP) are set forth in the Code of Federal Regulations at 44 CFR, 60.3.

In some states or communities, floodplain management criteria or regulations may exist that are more restrictive or comprehensive than the minimum Federal requirements. In such cases, the more restrictive criteria take precedence and the state (or other jurisdictional agency) will be able to explain them.

The Digital Flood Insurance Rate Map (DFIRM) and FIS Report for this countywide study have been produced in digital format. Flood hazard information was converted to meet the Federal Emergency Management Agency (FEMA) DFIRM database specifications and Geographic Information System (GIS) format requirements. The flood hazard information was created and is provided in a digital format so that it can be incorporated into a local GIS and be accessed more easily by the community.

1.2 Authority and Acknowledgement

The source of authority for this Flood Insurance Study is the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. Information on the authority and acknowledgments for each jurisdiction included in the countywide FIS, as compiled from their previously printed FIS reports, is shown below.

City of Ashville: The hydrologic and hydraulic analyses were performed by the U.S. Geological Survey (USGS), Alabama District (the Study Contractor) for FEMA, under Inter-Agency Agreement No. 85-E-1823, Project Order No. 2. This study was completed in September 1985.

City of Moody: The hydrologic and hydraulic analyses were also performed by the USGS, Water Resources Division, (the Study Contractor) for FEMA, under Contract No. EMW-85-E-1823, Project Order No. 10. This study was completed in June 1986.

City of Odenville: The hydrologic and hydraulic analyses were performed by the U.S. Army Corps of Engineers (USACE), Mobile District as part of the Limited Map Maintenance Program. This study was completed on June 19, 2012.

City of Pell City: The hydrologic and hydraulic analyses were performed by the USGS, Water Resources Division, (the Study Contractor) for FEMA, under Contract No. EMW-85-E-1823, Project Order No. 10. This study was completed in August 1986.

Unincorporated Areas: The hydrologic and hydraulic analyses were performed by the USACE, Mobile District, (the Study Contractor) for FEMA, under Inter-Agency Agreement No. EMW-85-E-1822, Project Order No. 1, Amendment No. 20. This study was completed in June 1987. Additional hydraulic and hydrologic information was obtained from the Flood Insurance Studies for the Cities of Pell City, Ashville and Moody, and Jefferson County, Alabama.

For the initial countywide FIS dated June 19, 2012, new hydrologic and hydraulic analyses were prepared for FEMA by AMEC under Contract No. C70661176 with the Alabama Department of Economic and Community Affairs, Office of Water Resources (OWR). This work was completed in January 2010. The topographic information consisted of 2 foot contours provided by the St.

Clair County. Non-revised areas were converted to digital format in conformance with FEMA DFIRM specifications.

For this revised countywide FIS, new hydrologic and hydraulic analyses were prepared for FEMA by AMEC under Contract No. C00661101 with the OWR, and this work was completed in December 2014. The extents of these analyses are listed in Section 2.0 of this report. All floodplain boundaries were delineated using a digital elevation surface created from Light Detection and Ranging (LiDAR) data collected in 2011 and provided by St. Clair County.

The projection used in the preparation of this FIS was Universal Transverse Mercator Zone 16. The horizontal datum was North American Datum of 1983, GRS80 spheroid. Differences in the datum and spheroid used in the production of FIRMs for adjacent counties may result in slight positional differences in map features at the county boundaries. These differences do not affect the accuracy of information shown on the FIRM.

1.3 Coordination

An initial Consultation Coordination Officer's (CCO) meeting is held with representatives of the communities, FEMA, and the study contractors to explain the nature and purpose of the FIS and to identify the streams to be studied by detailed methods. A final CCO meeting is held with representatives of the communities, FEMA, and the study contractors to review the results of the study.

The dates of the initial and final CCO meetings held for St. Clair County and the incorporated communities within its boundaries are shown in the following tabulation:

Community Name	Initial CCO Date	Final CCO Date
City of Ashville	June 10, 1985	May 29, 1986
City of Moody	June 10, 1985	August 1, 1988
City of Pell City	June 10, 1985	August 1, 1988
City of Odenville	June 10, 1985	July 23, 1990
Unincorporated Areas	June 10, 1985	November 7, 1988

For the initial countywide FIS, an initial CCO meeting was held on December 12, 2007, and a final CCO meeting was held on January 21, 2010. The initial meetings were attended by representatives of St. Clair County; AMEC Environment and Infrastructure, Inc.; the OWR; and FEMA.

For this revised countywide FIS, an initial CCO meeting was held on March 6, 2012, and was attended by representatives of St. Clair County; the Cities of Pell City and Springville; the OWR; and FEMA. All problems raised at that meeting have been addressed in this study.

The results of the study were reviewed at the final CCO meeting held on

October 21, 2014, and attended by the OWR, AMEC, St. Clair County, and various communities within the County. All problems raised at that meeting have been addressed in this study.

2.0 AREA STUDIED

2.1 Scope of Study

This FIS covers the geographic area of St. Clair County, Alabama.

All or portions of the flooding sources listed in "Streams Studied by Detailed Methods" were studied by detailed methods. All or portions of the flooding sources listed in "Stream Studied by Limited Detailed Methods" were studied by limited detailed methods. Limits of detailed study are indicated on the Flood Profiles (Exhibit 1) and on the FIRM.

STREAMS STUDIED BY DETAILED METHODS

Beaver Creek	Fishing Creek
Big Black Creek	Kelly Creek
Big Canoe Creek	Little Black Creek
Blue Spring Branch	Little Cahaba River
Cahaba River	Little Canoe Creek
Coosa River	Middle Black Creek
Dunlap Spring Branch	West Branch Fishing Creek
Dye Creek	

STREAMS STUDIED BY LIMITED DETAILED METHODS

Big Canoe Creek	Kelly Creek Trib 8.1.2
Big Canoe Trib 31	Kelly Creek Trib 8.2
Black Ankle Branch	Kerr Branch
Broken Arrow Creek	Leather Creek
Coosa River Trib 4	Little Canoe Creek
Dry Creek I	Muckleroy Creek
Dry Creek III	North Fork Dry Creek
Gum Springs Branch	Tanyard Branch
Kelly Creek Trib 8	Wolf Creek
Kelly Creek Trib 8.1	

This revision was carried out in order to update flood hazard information for all jurisdictions within St. Clair County. As part of this revision, updated detailed analyses are included for the flooding sources shown in Table 1, "Scope of Detailed Study Revision" and Table 2, "Scope of Limited Detailed Study Revision".

TABLE 1 – SCOPE OF DETAILED STUDY REVISION	
Stream	**Limits of Detailed Study or New Detailed Study**
Beaver Creek	From approximately 0.3 mile downstream of U.S. Route 231 to approximately 0.07 mile upstream of Moody Parkway
Big Black Creek*	From its confluence with the Cahaba River to approximately 3.1 miles upstream of County Road 6
Big Canoe Creek I	From its confluence with the Coosa River to approximately 2.8 miles upstream of U.S. Highway 411
Big Canoe Creek II	From approximately 0.4 mile downstream of Double Bridge Road to approximately 1.0 mile upstream of State Route 36
Blue Spring Branch**	From its confluence with Logan Martin Lake to approximately 0.3 mile downstream of 16th Ave
Coosa River	From the Etowah County boundary to the Talladega County boundary
Dunlap Spring Branch**	From its confluence with Wolf Creek to approximately 0.2 mile downstream of I-20
Dye Creek*	From its confluence with Logan Martin Lake to approximately 0.8 mile upstream of 16th Street
Fishing Creek**	From its confluence with the Coosa River to approximately 0.4 mile upstream of Cogswell Avenue
Kelly Creek*	From approximately 0.3 mile upstream of Wolf Creek Road to approximately 0.6 mile upstream of State Route 174
Little Black Creek*	From its confluence with Big Black Creek to approximately 2.5 miles upstream of Railroad
Little Canoe Creek***	From approximately 6.4 miles upstream of State Route 174 to approximately 1,100 feet downstream of I-59
Middle Black Creek*	From its confluence with Big Black Creek to approximately 2.0 miles upstream of Lake Road
West Branch Fishing Creek**	From approximately 1.2 miles upstream of its confluence with Coosa River to the downstream side of Comer Road

*Big Black Creek, Dye Creek, Kelly Creek, Little Black Creek, and Middle Black Creek were updated based on hydrology and hydraulics from the FIS for St. Clair County Unincorporated Areas dated June 19, 2012 and added the 4-percent-annual-chance flood event.

**Blue Spring Branch, Dunlap Spring Branch, Fishing Creek, and West Branch Fishing Creek were redelineated based on hydrology and hydraulics from the FIS for St. Clair County and Unincorporated Areas dated June 19, 2012 and updated topographical data.

*** Little Canoe Creek was redelineated based on hydrology and hydraulics from the LOMR case number 12-04-4244P dated June 28, 2012 and updated topographical data.

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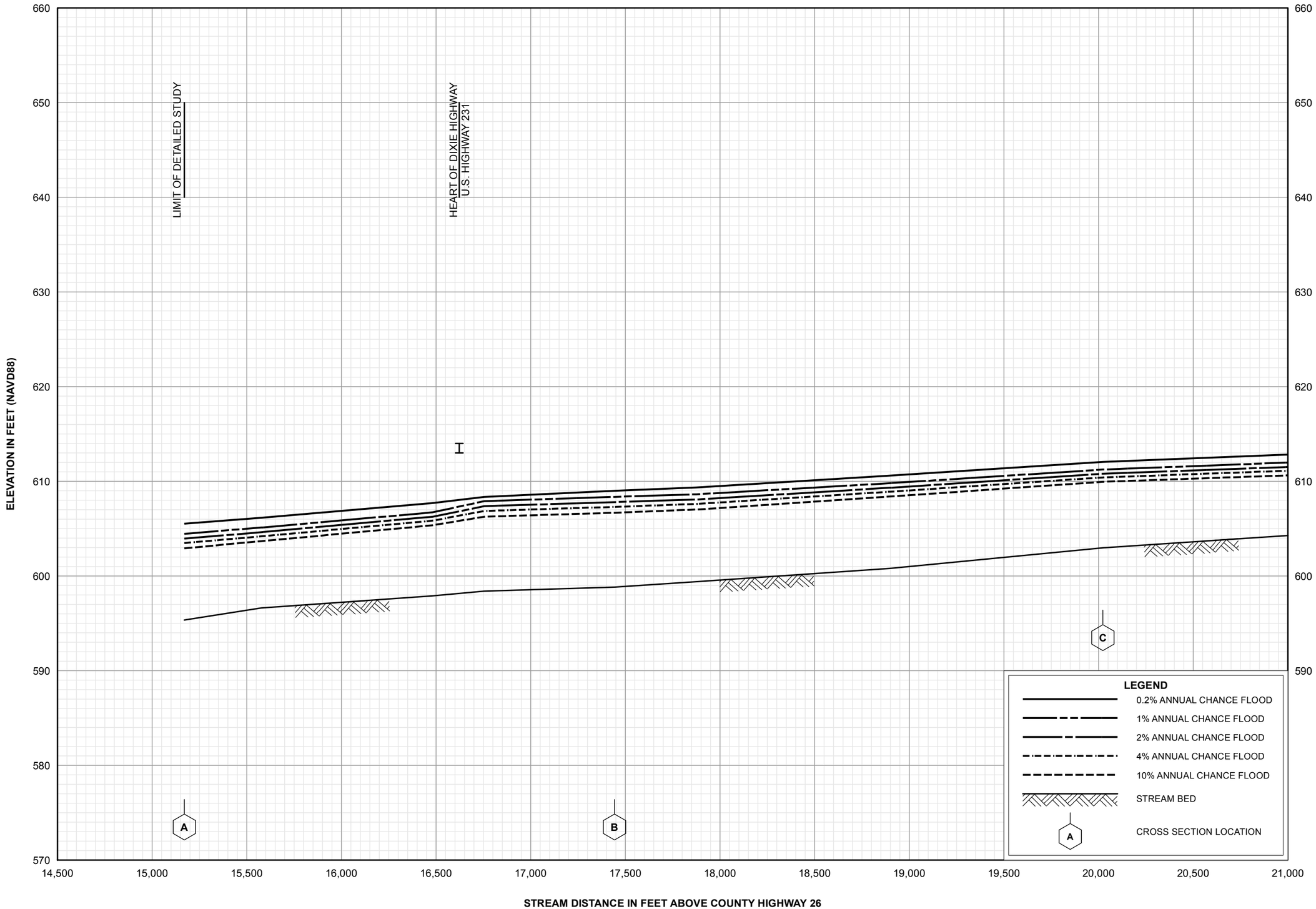
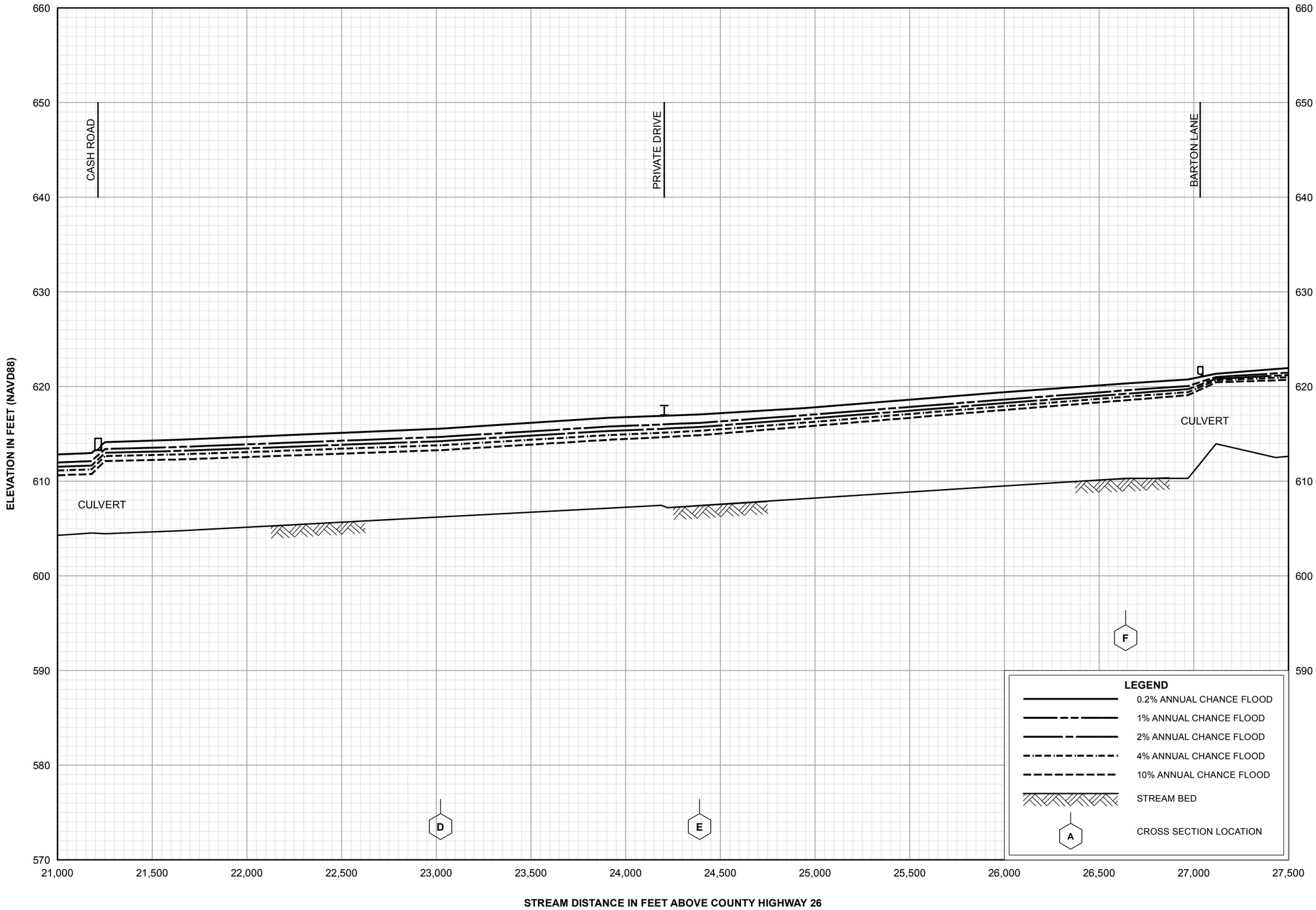


FLOOD PROFILES

BEAVER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

BEAVER CREEK

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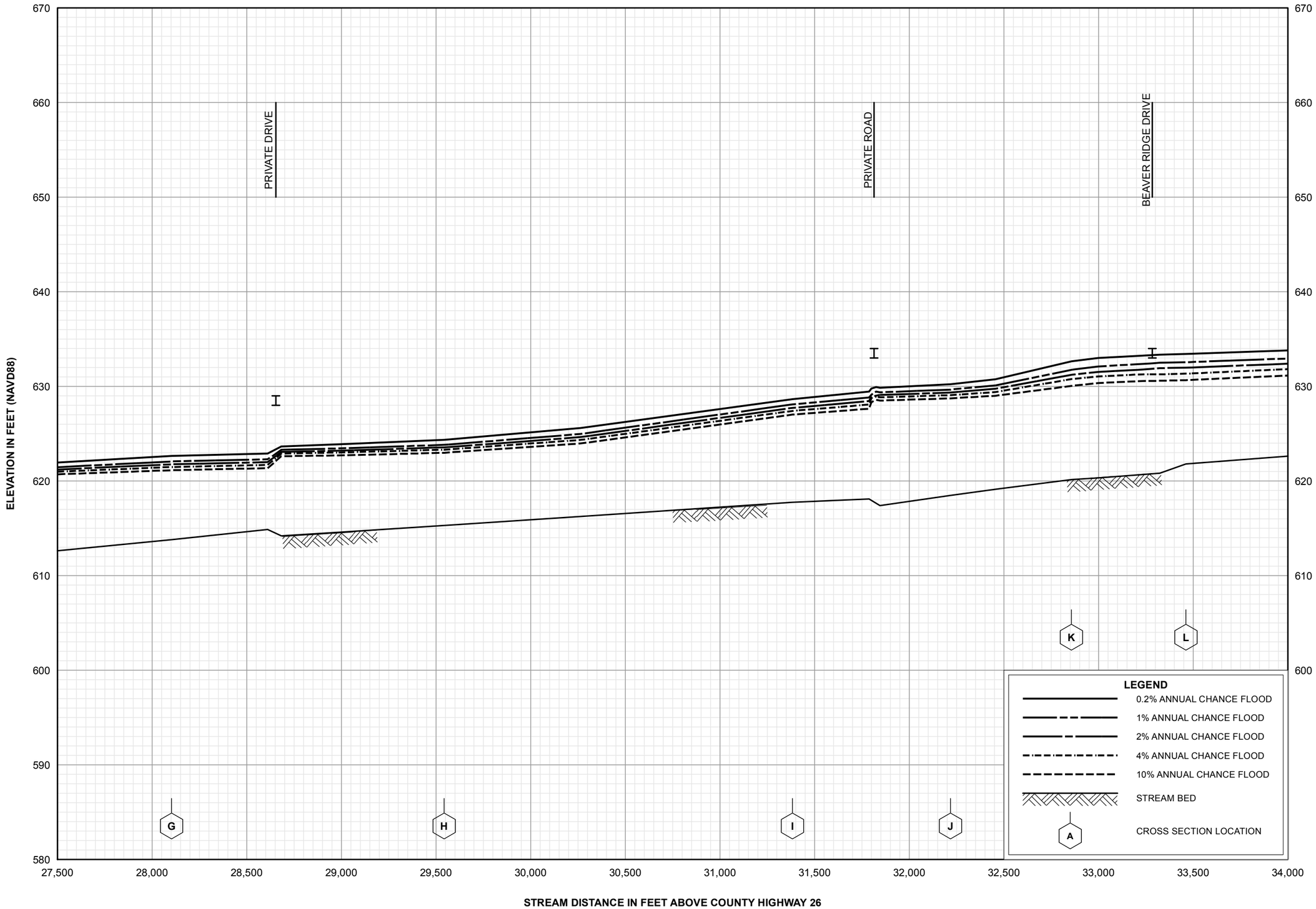

FLOOD PROFILES

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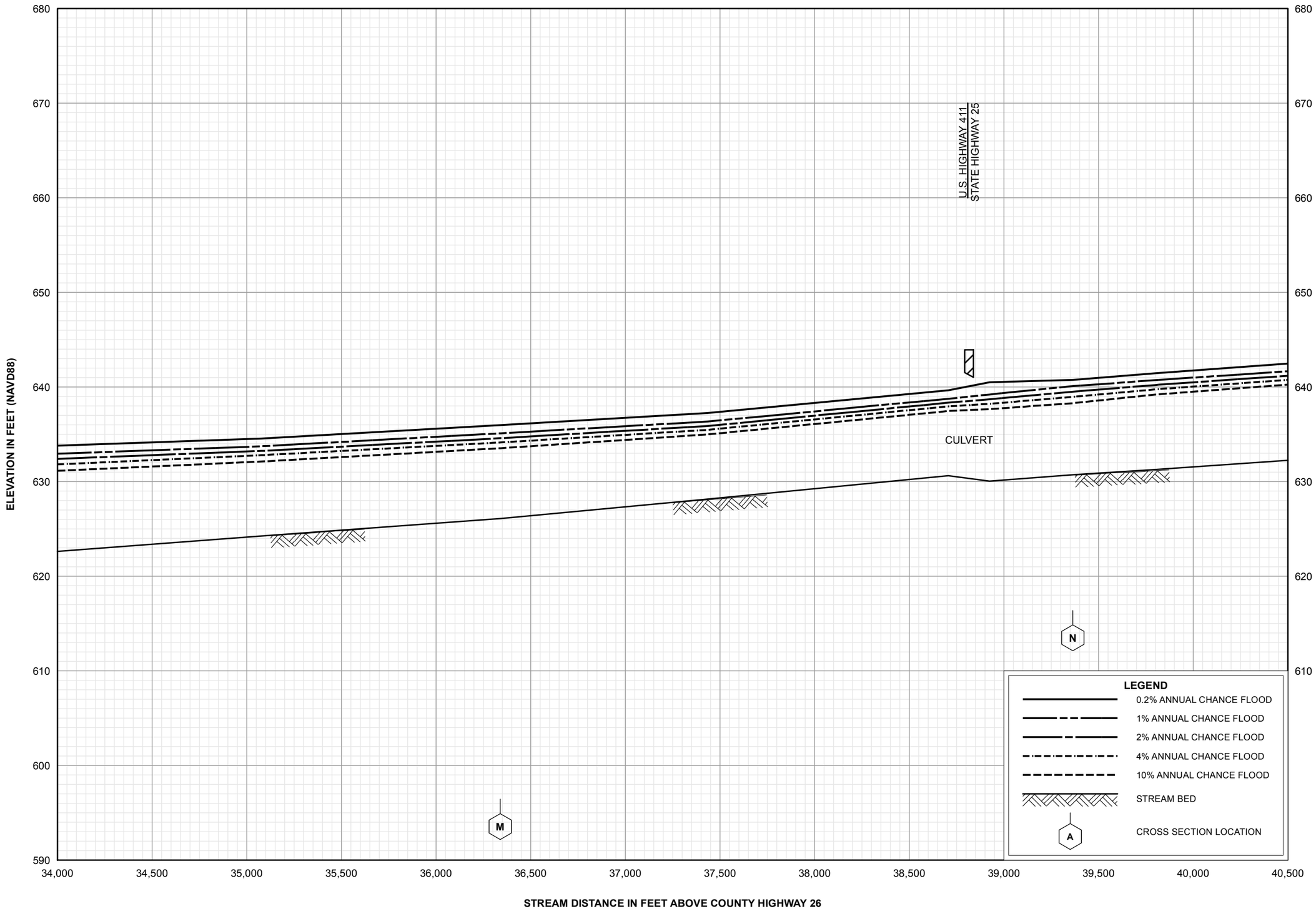

FLOOD PROFILES

BEAVER CREEK

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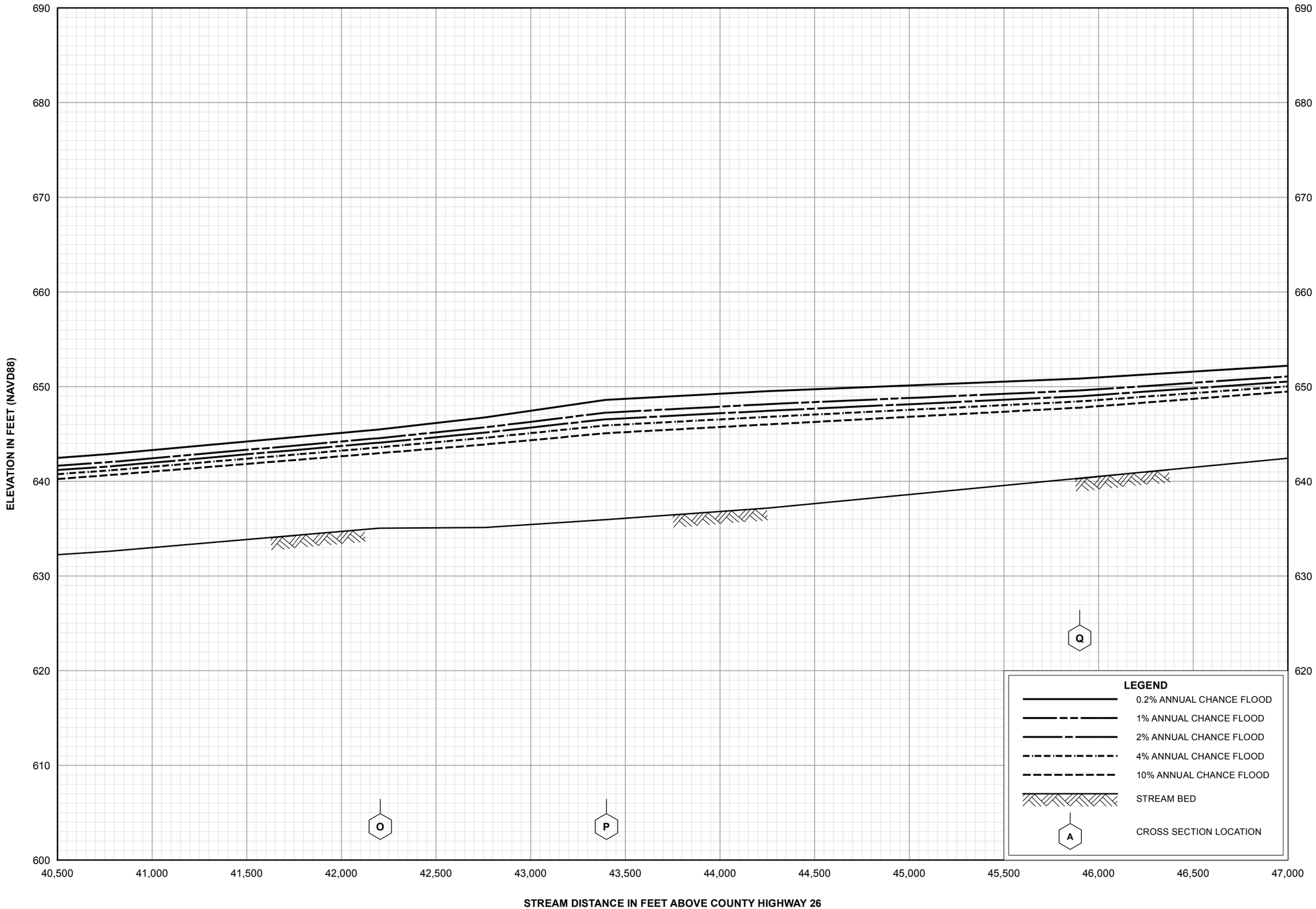

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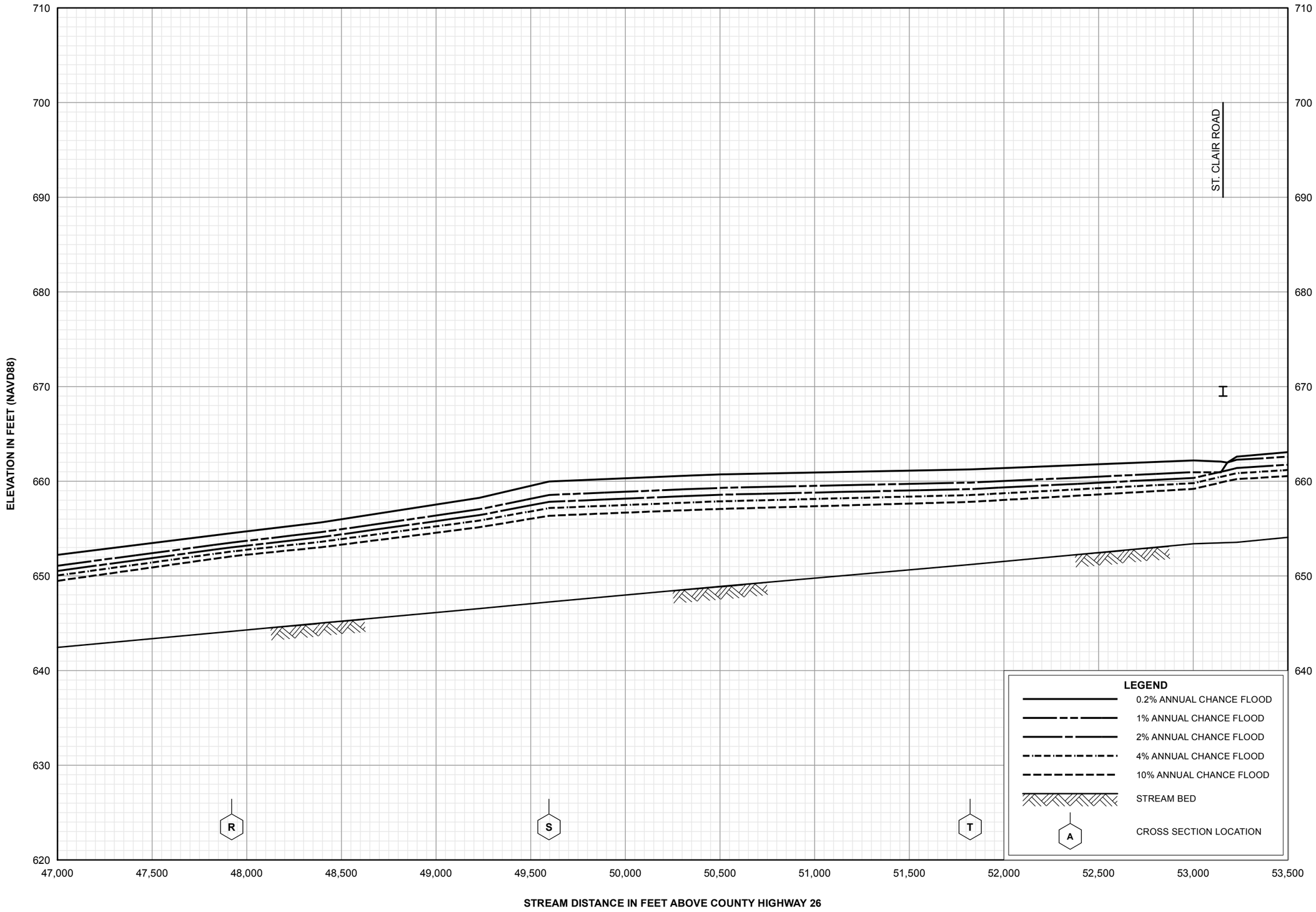

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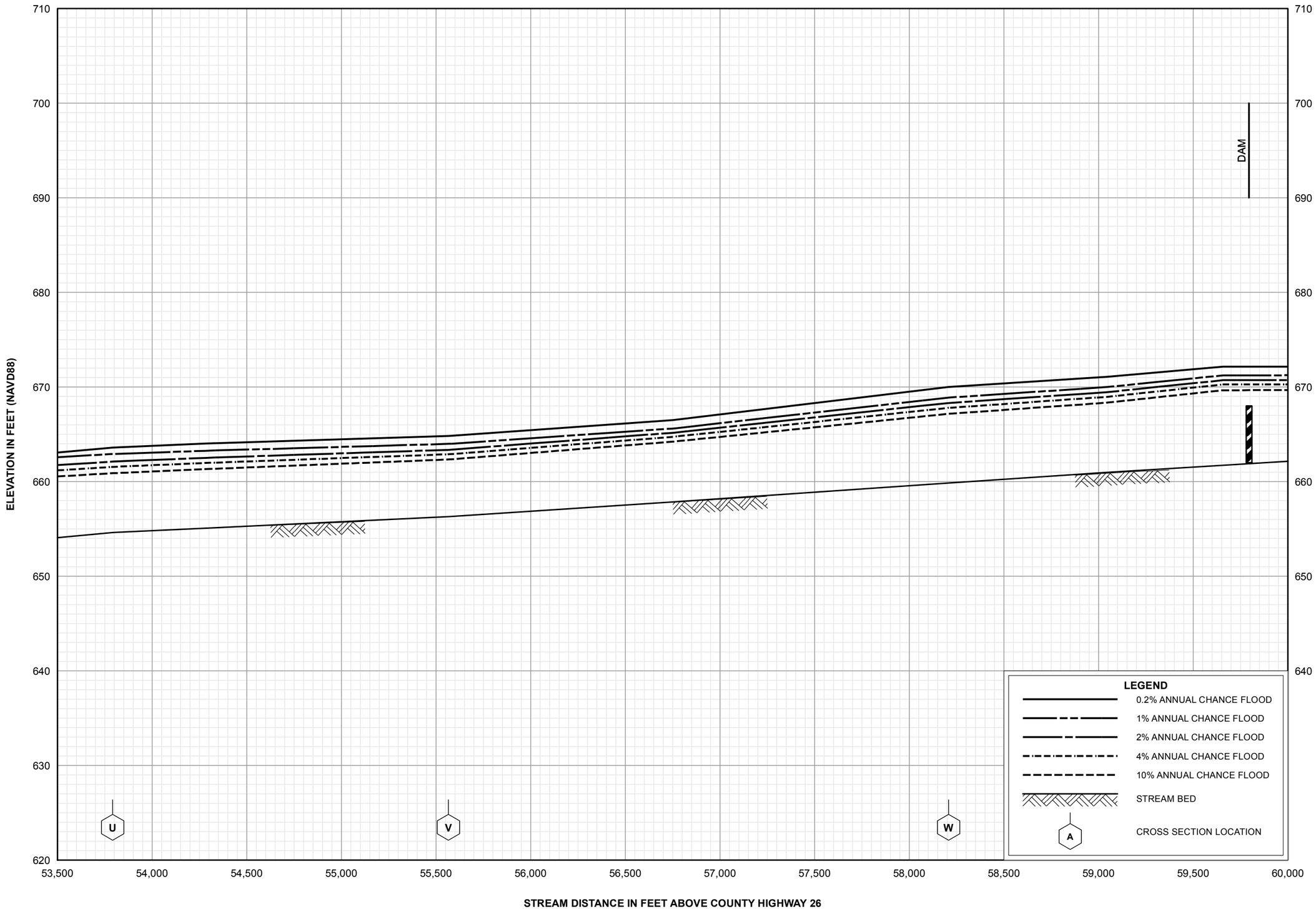

FLOOD PROFILES

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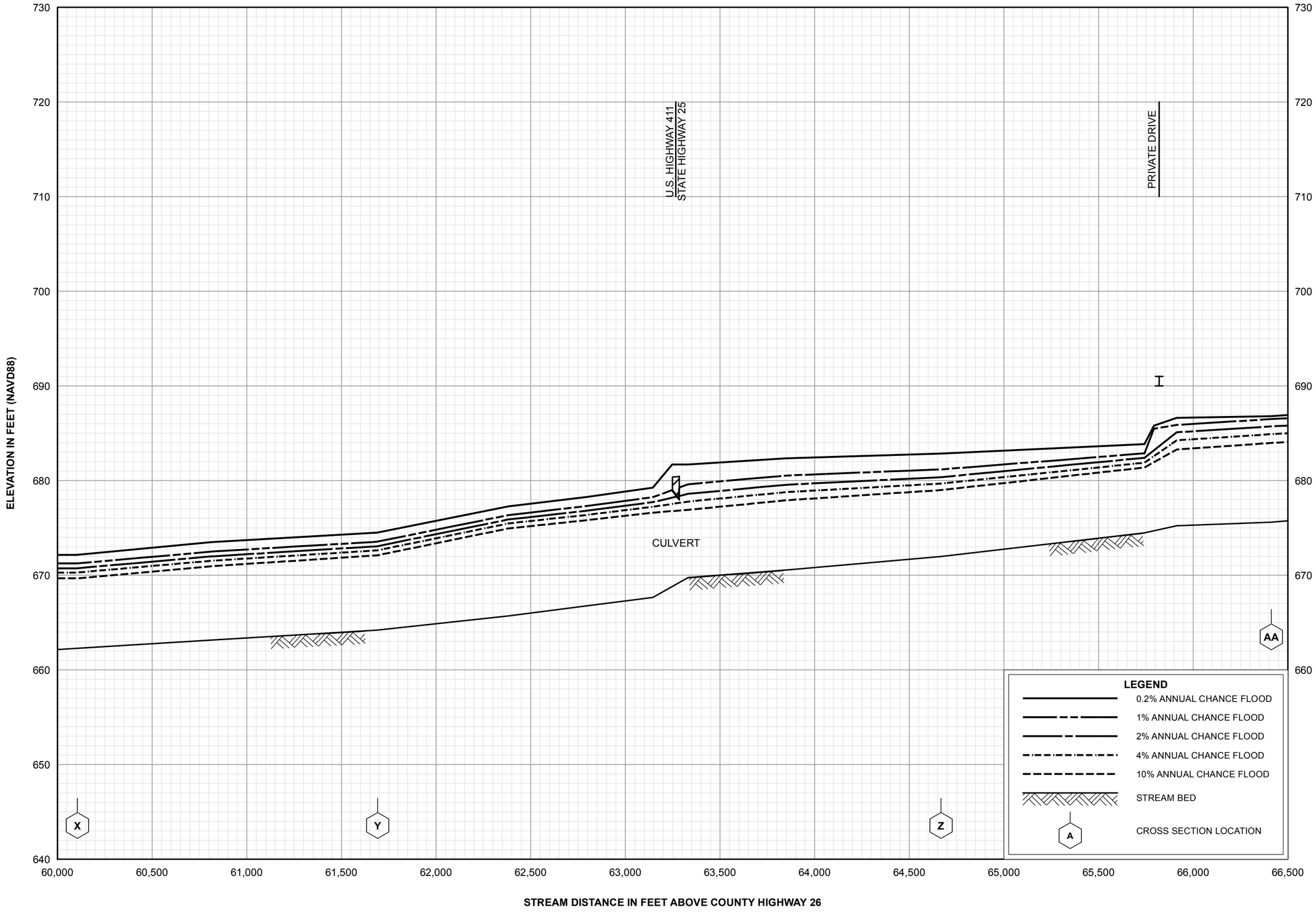

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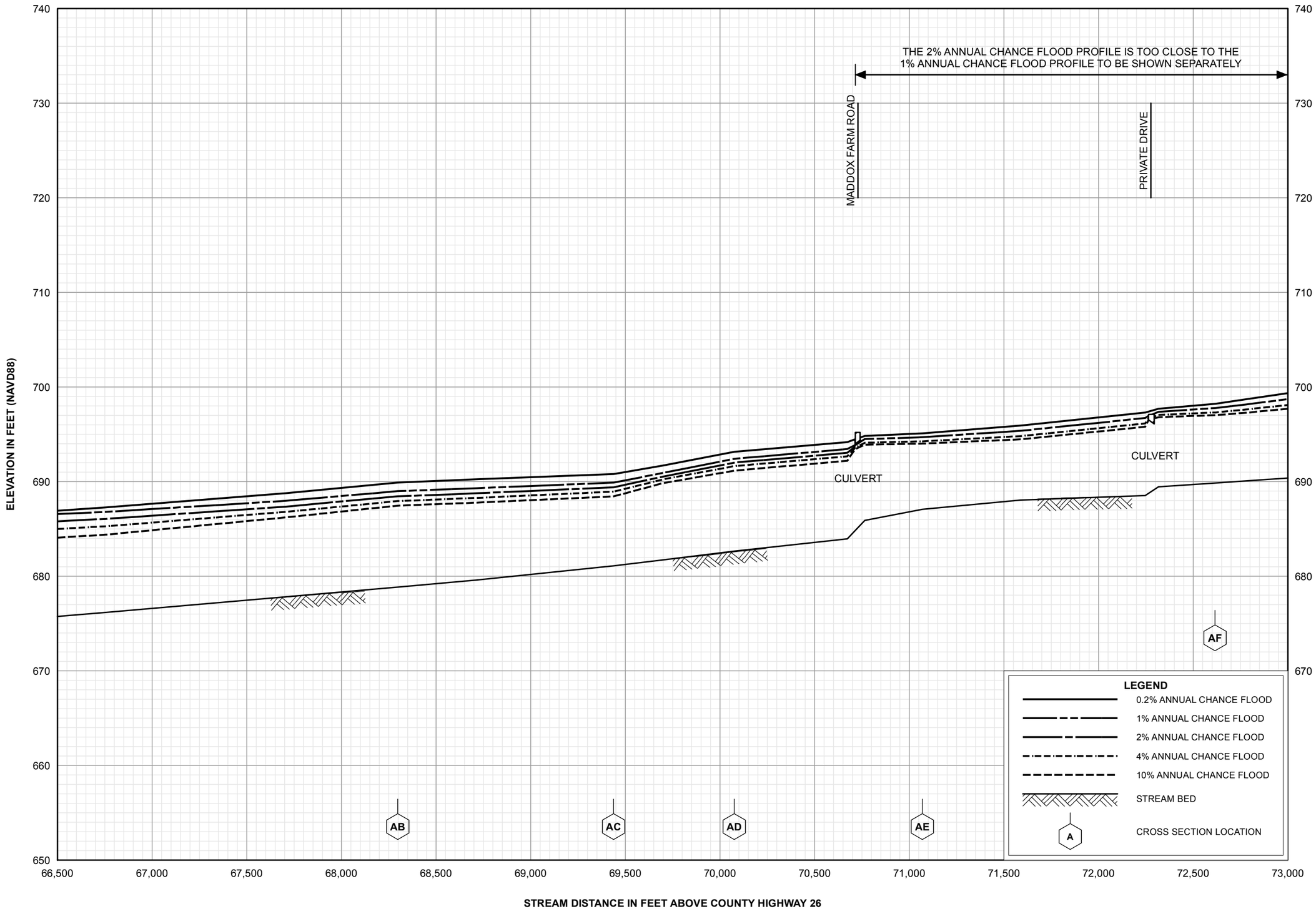

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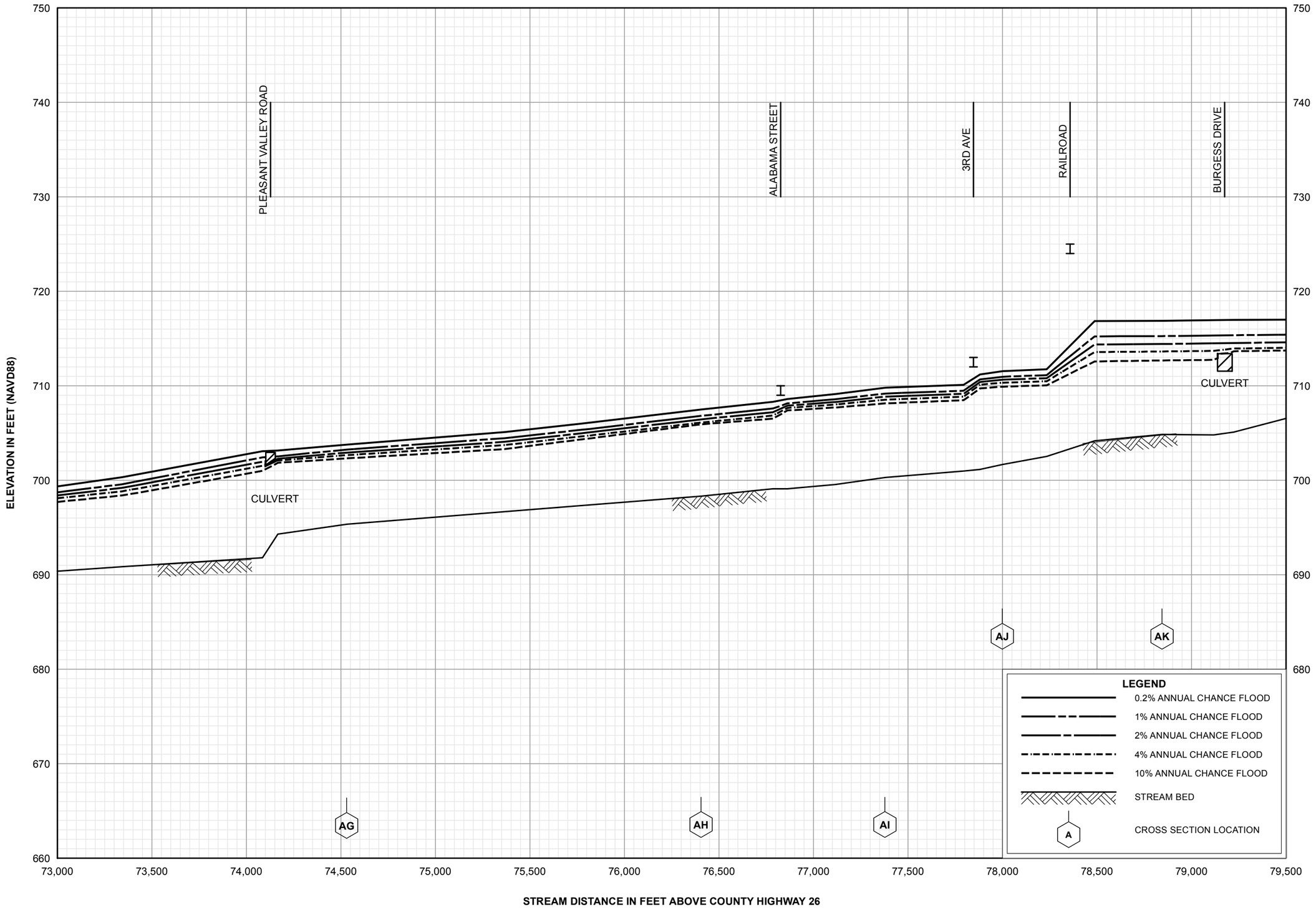

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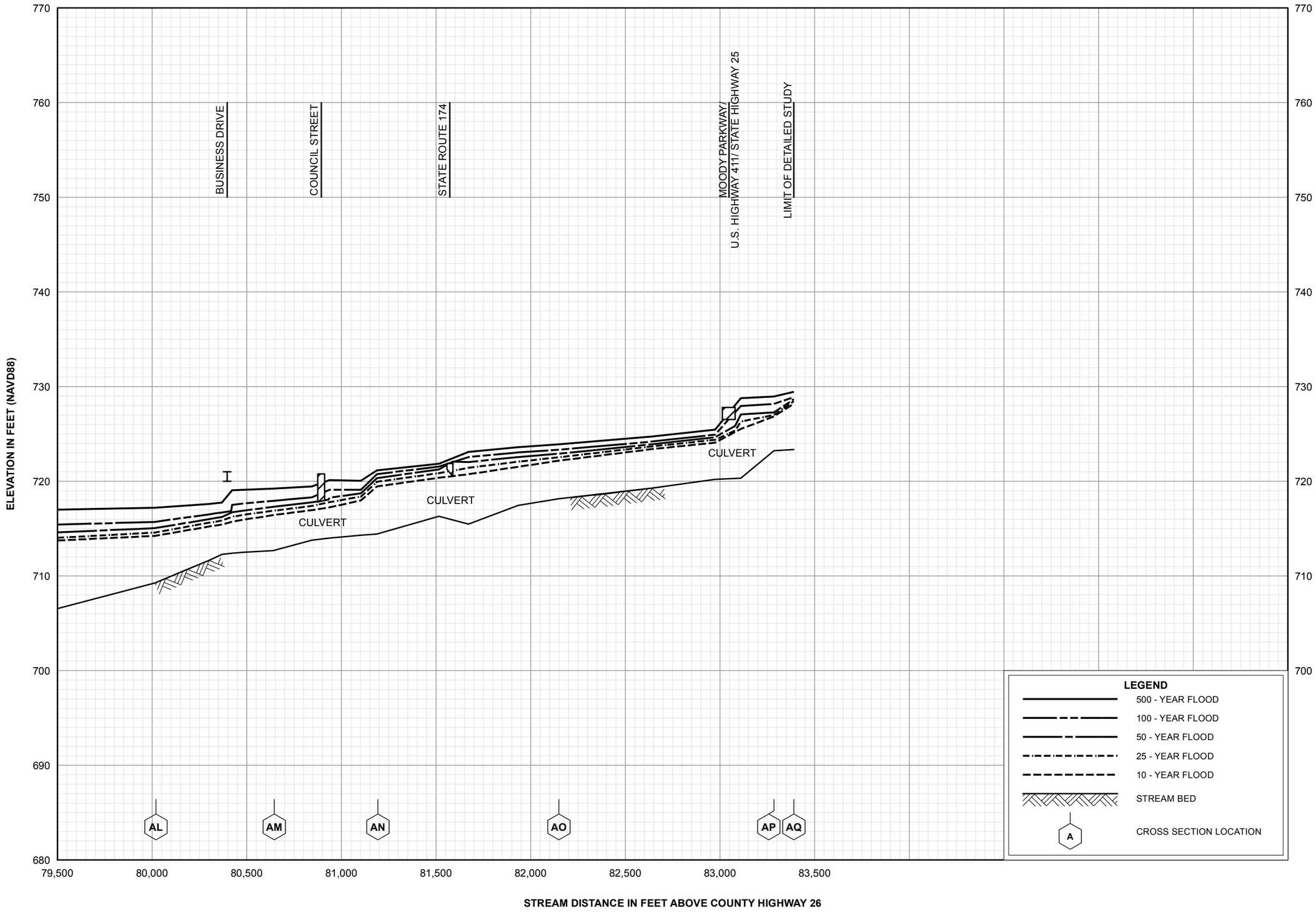

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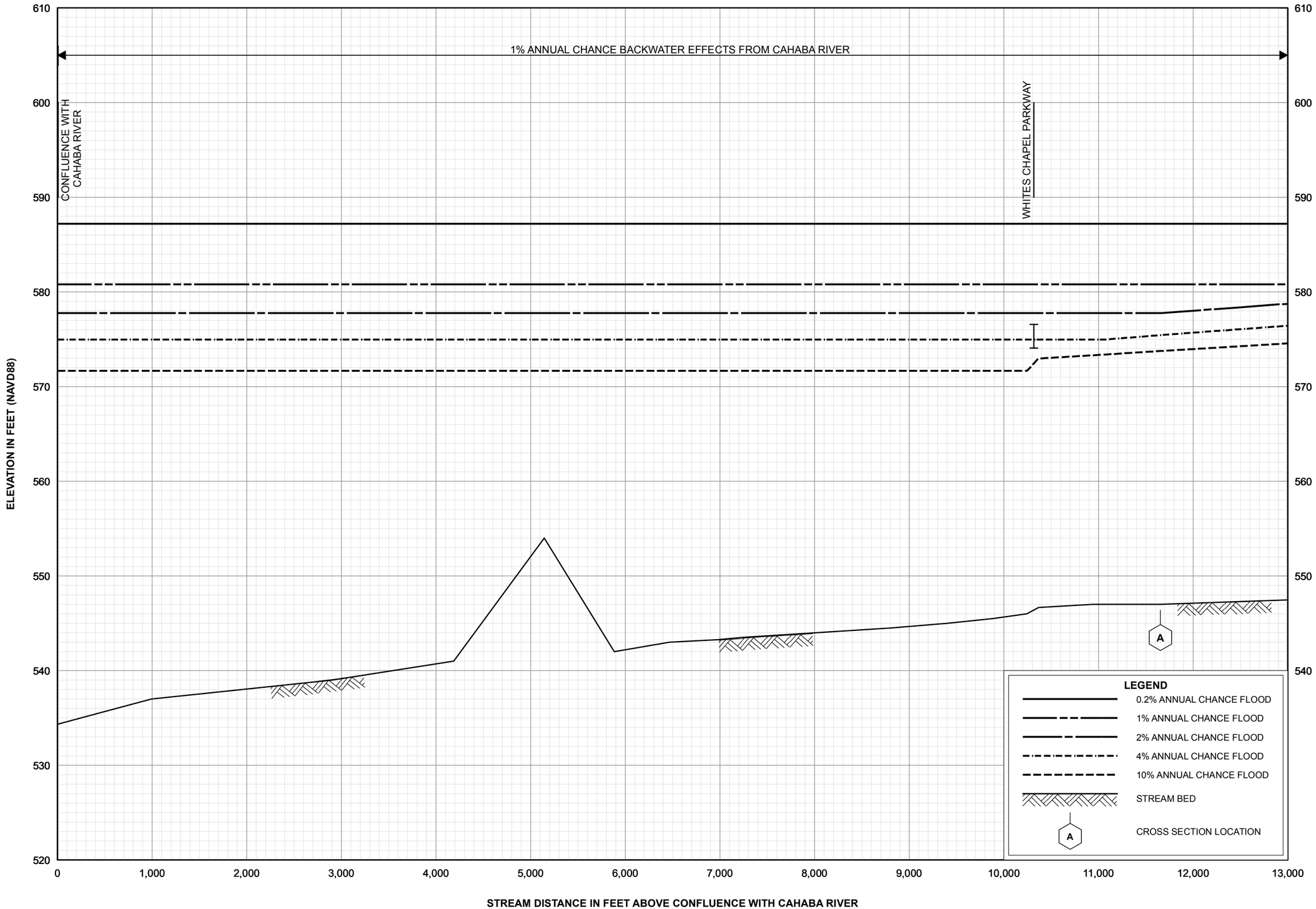

FLOOD PROFILES

BIG BLACK CREEK

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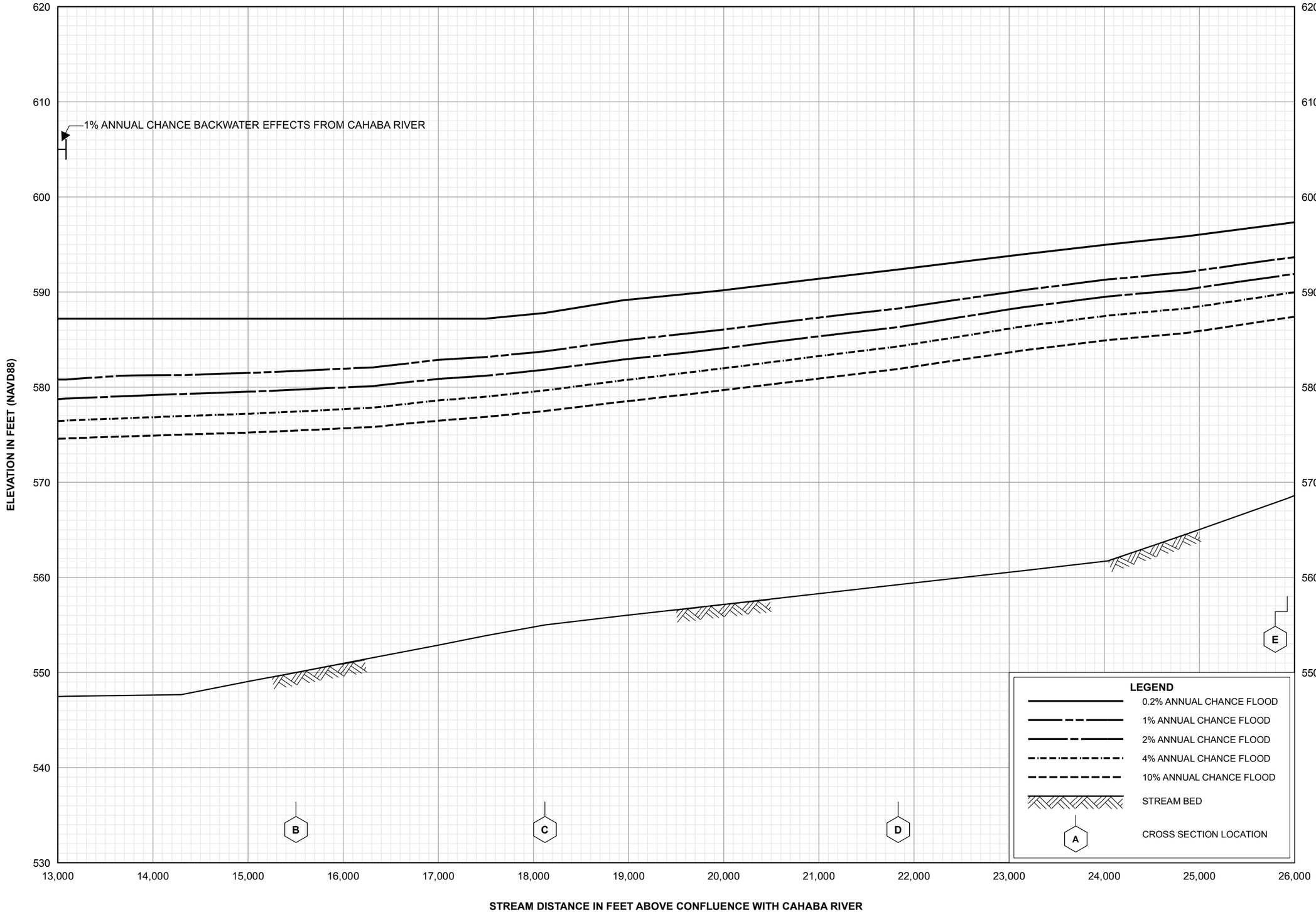

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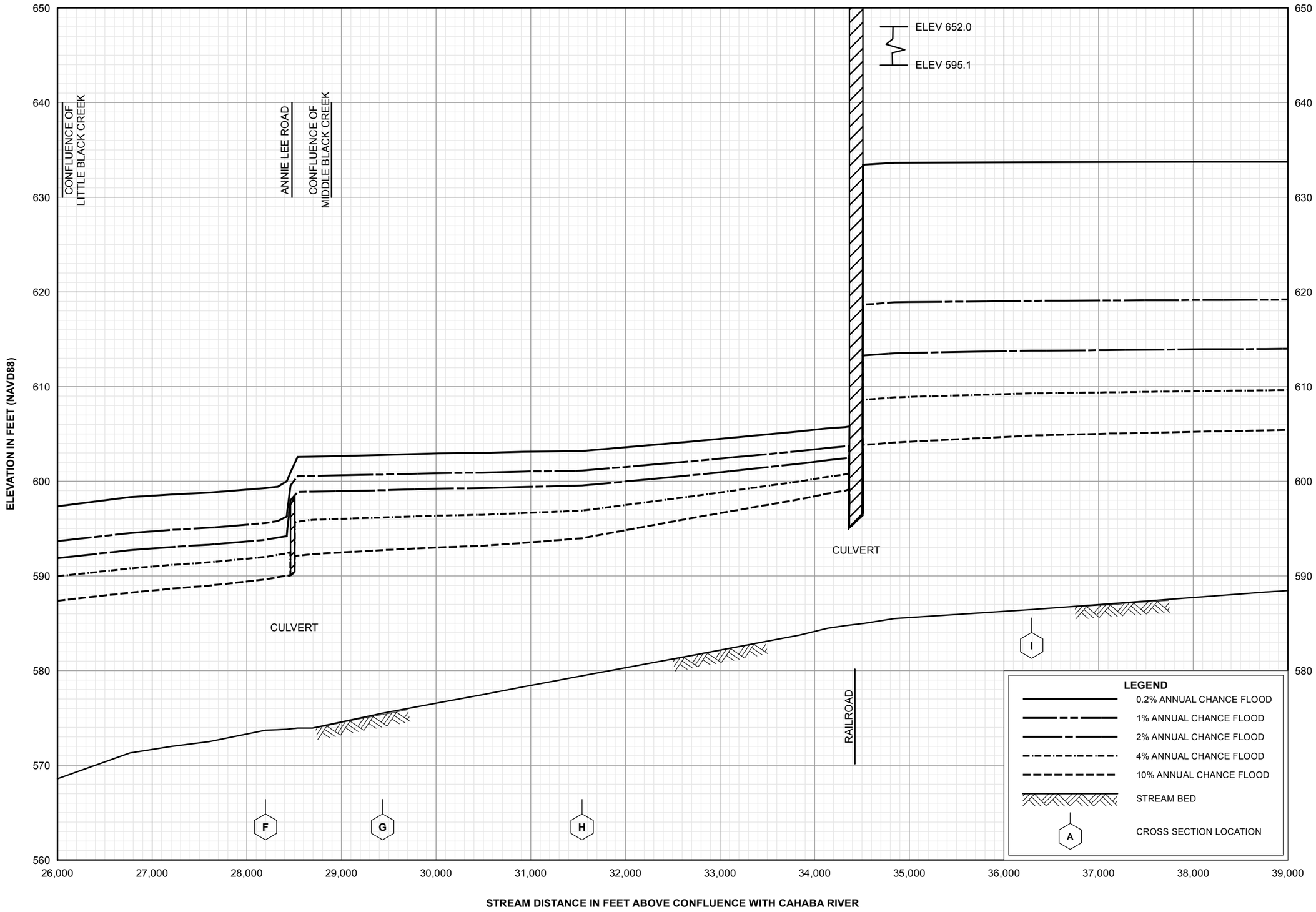

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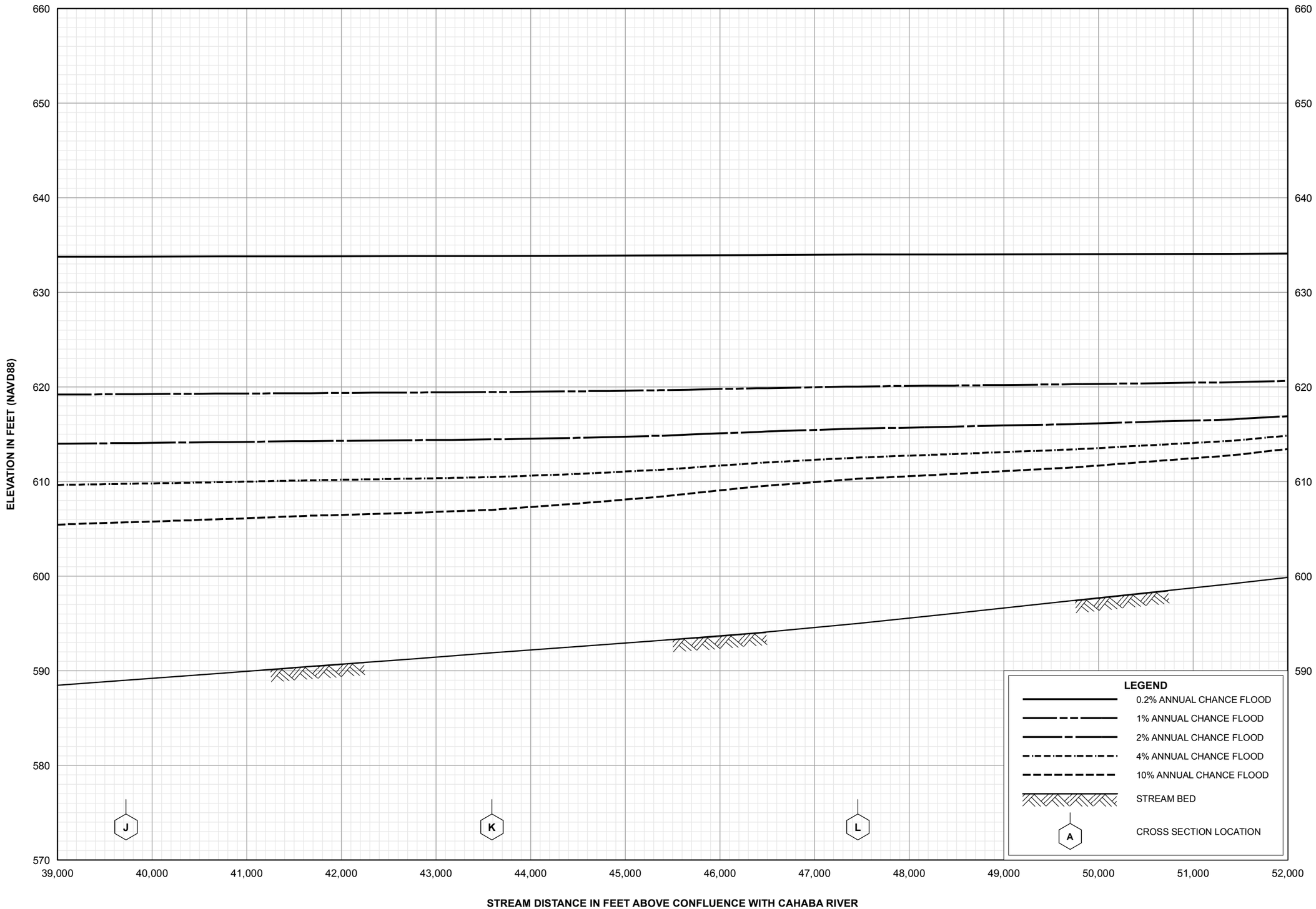

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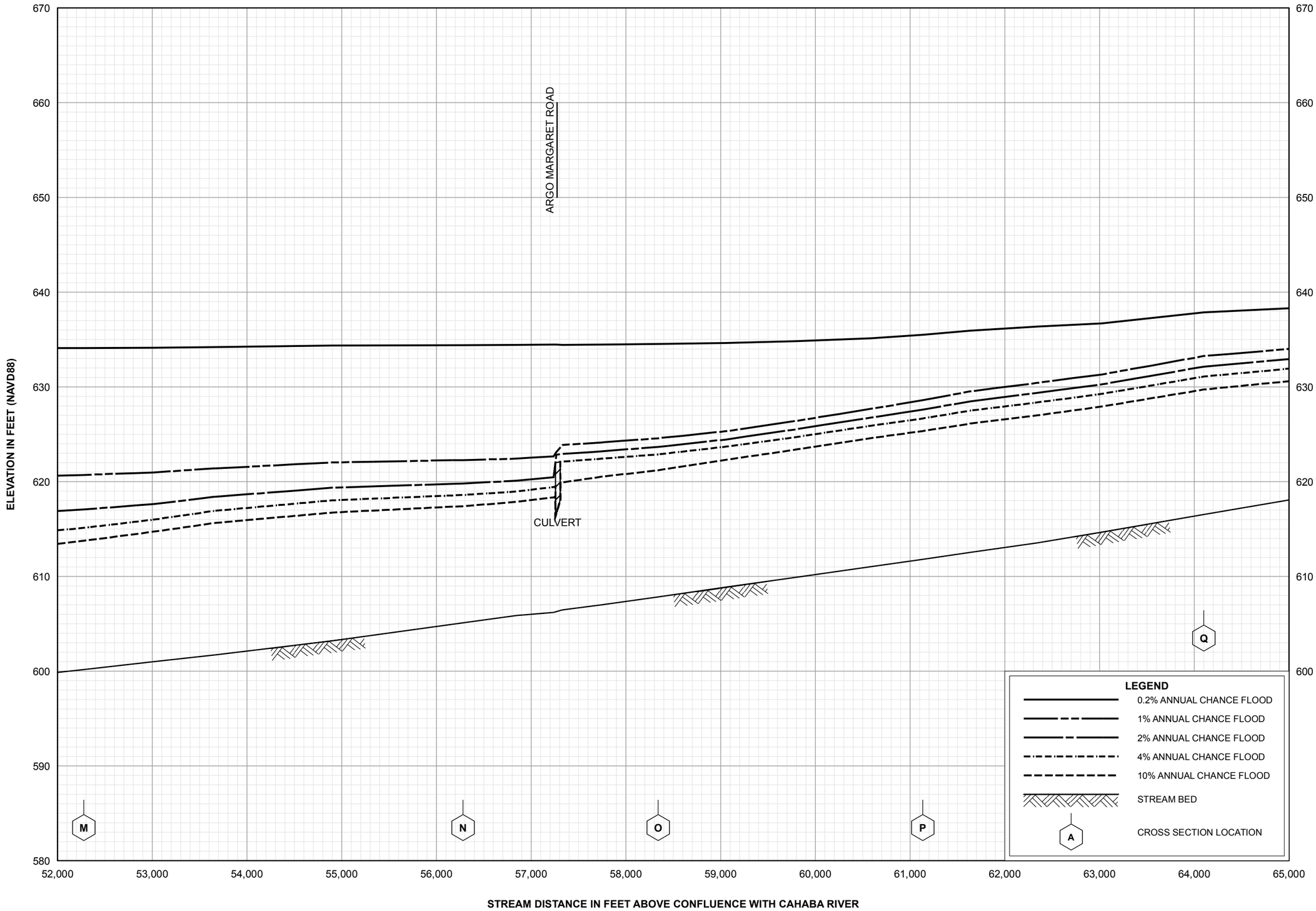

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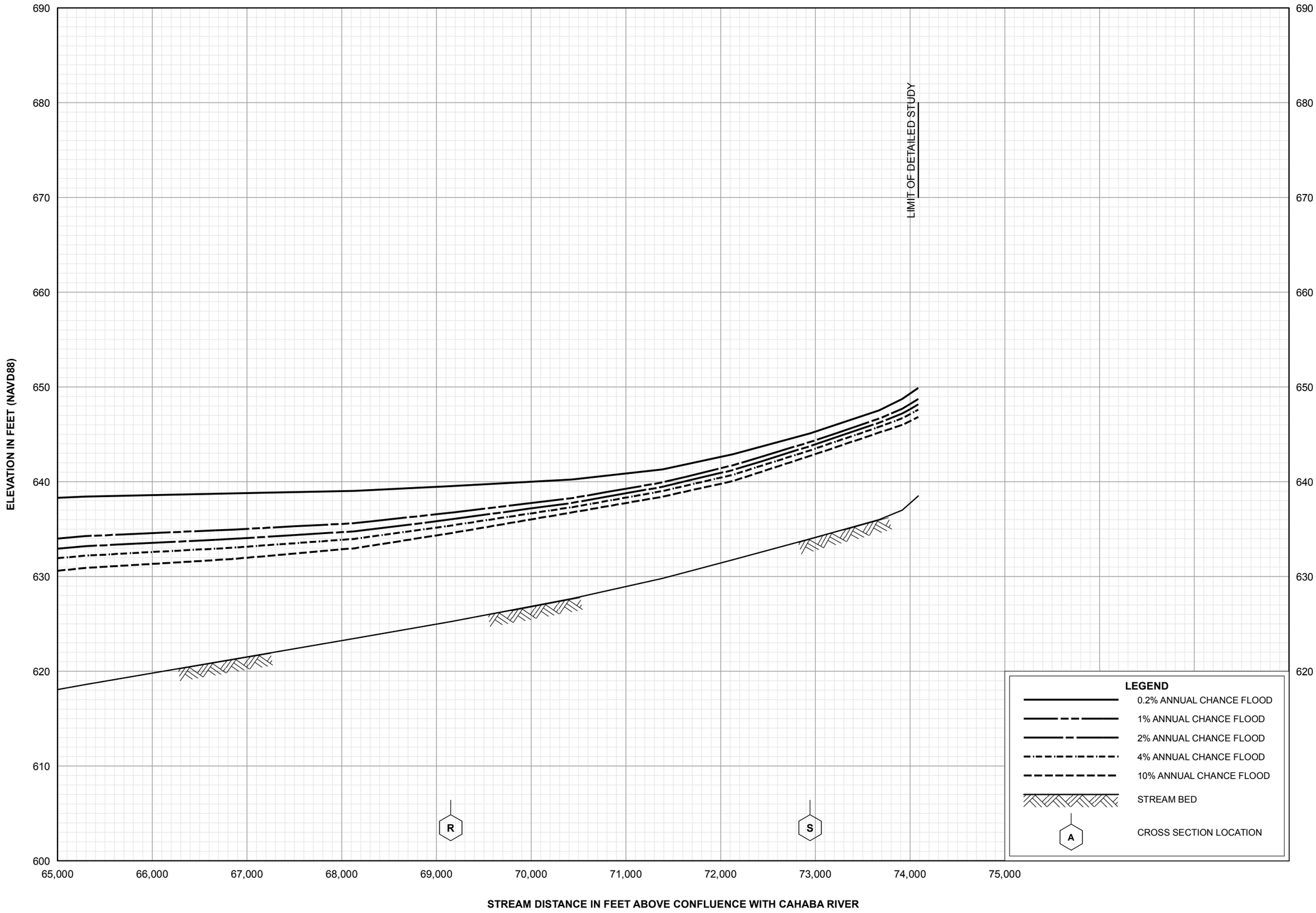
ST.CLAIR COUNTY, AL
AND INCORPORATED AREAS

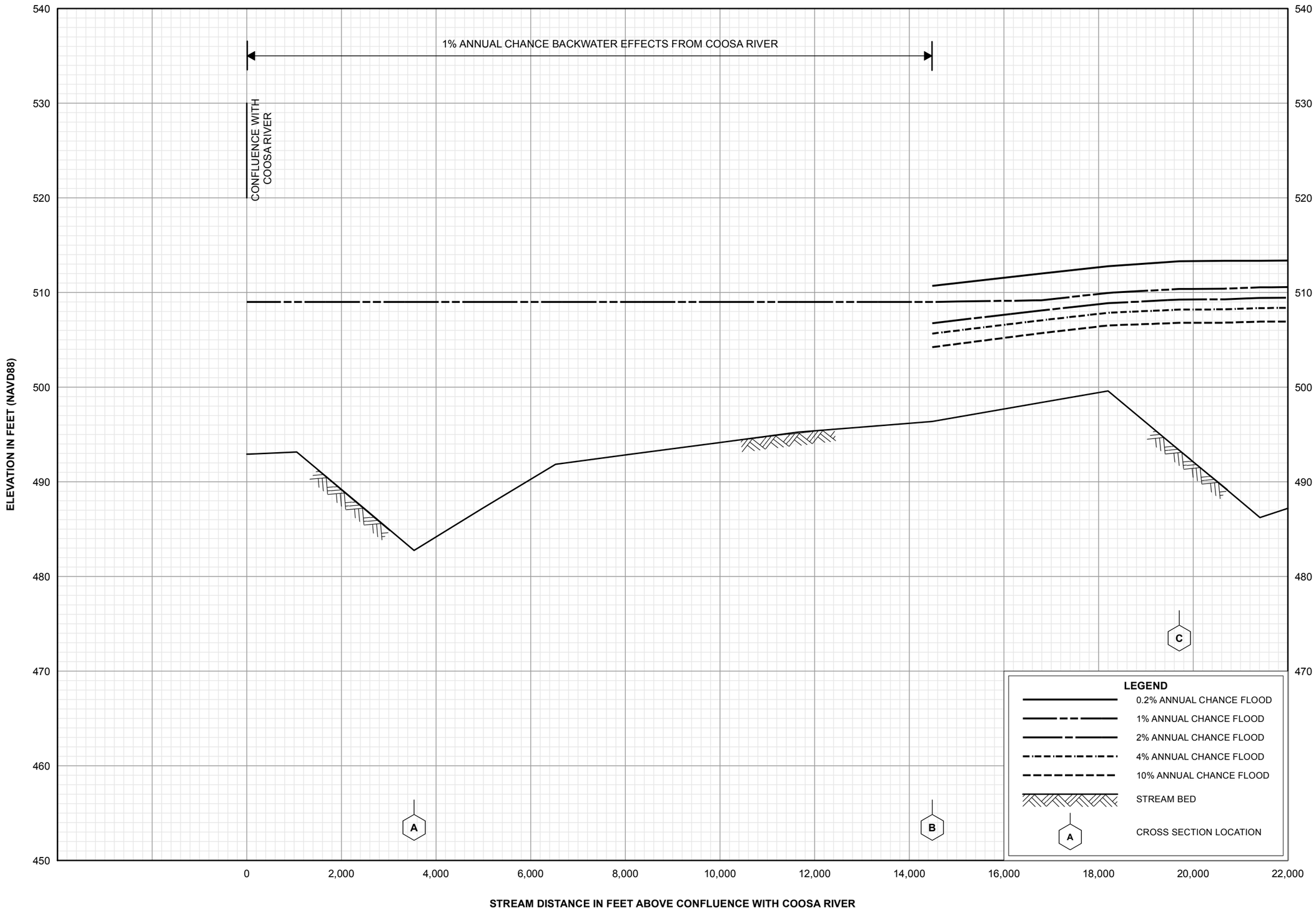


FLOOD PROFILES

BIG BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST.CLAIR COUNTY, AL
AND INCORPORATED AREAS

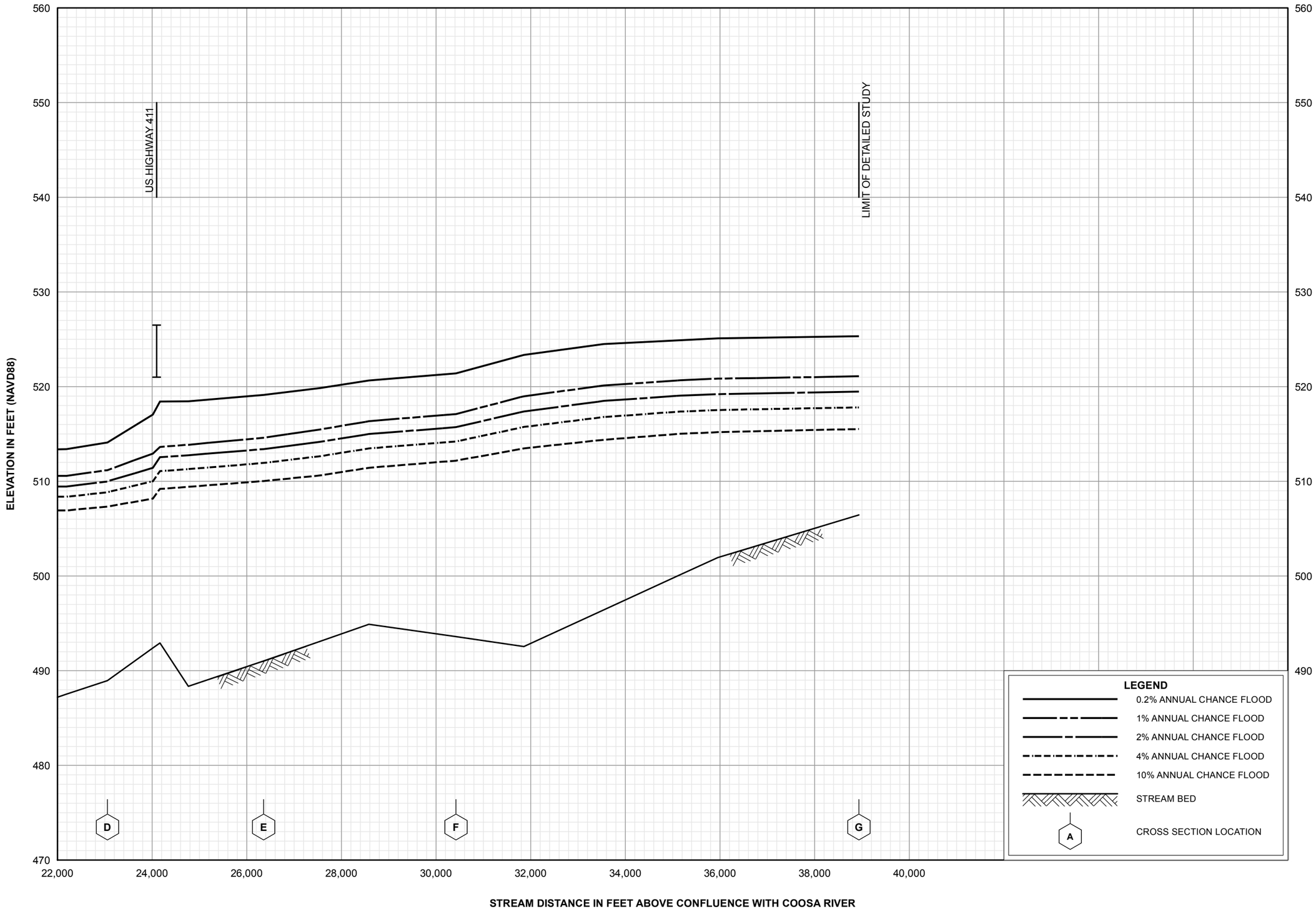


FLOOD PROFILES

BIG CANOE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

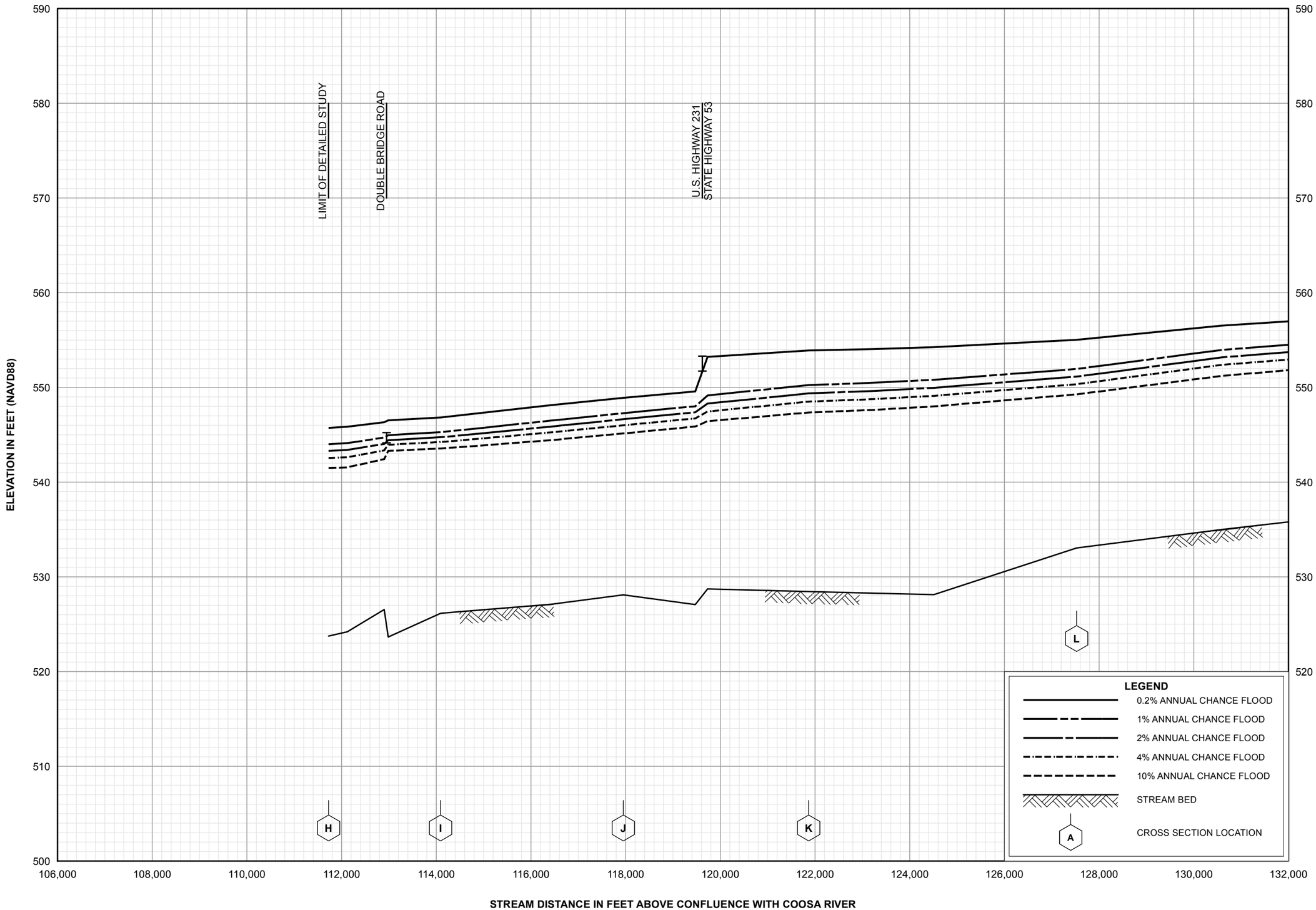


FLOOD PROFILES

BIG CANOE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

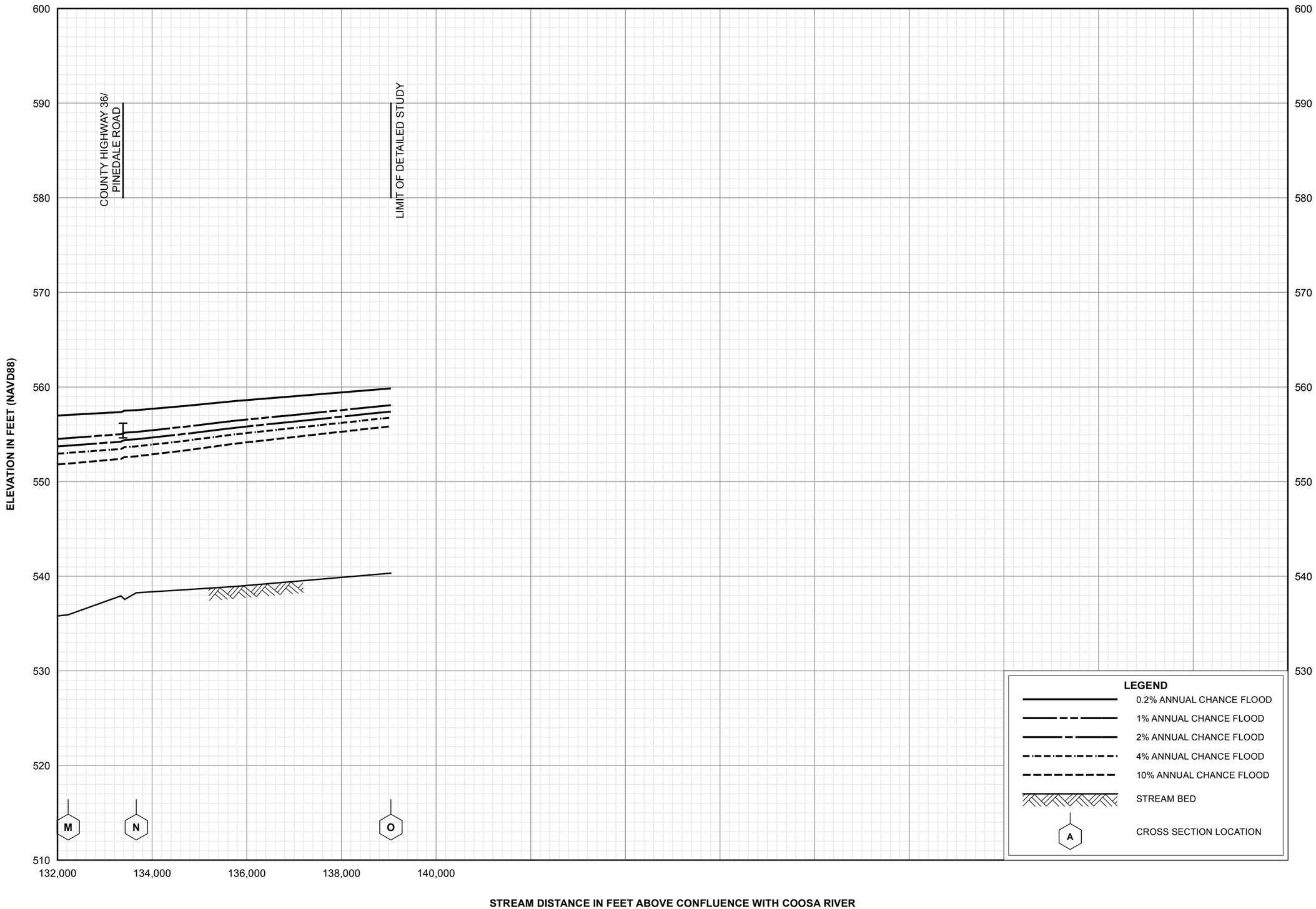


FLOOD PROFILES

BIG CANOE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

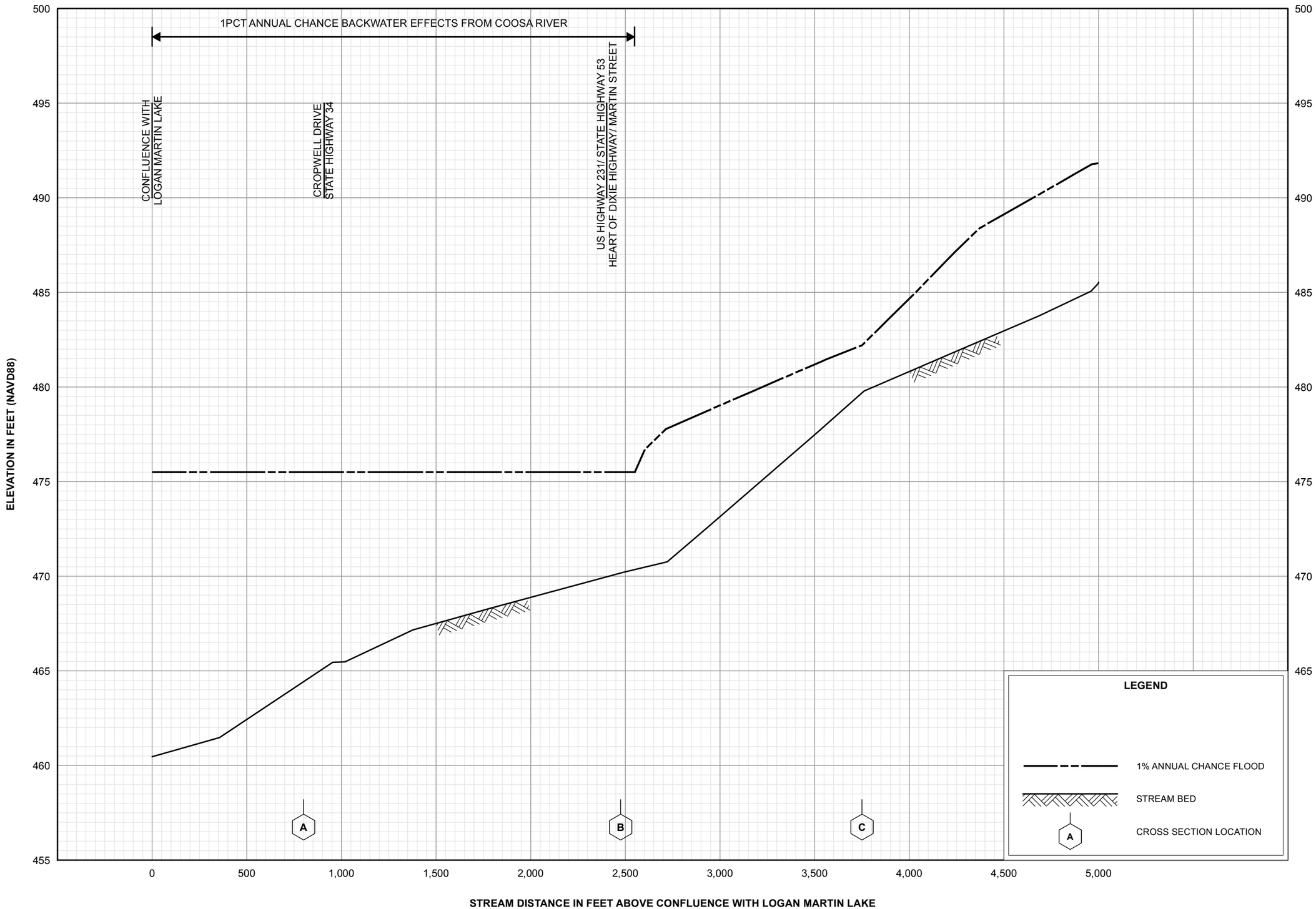


FLOOD PROFILES

BIG CANOE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

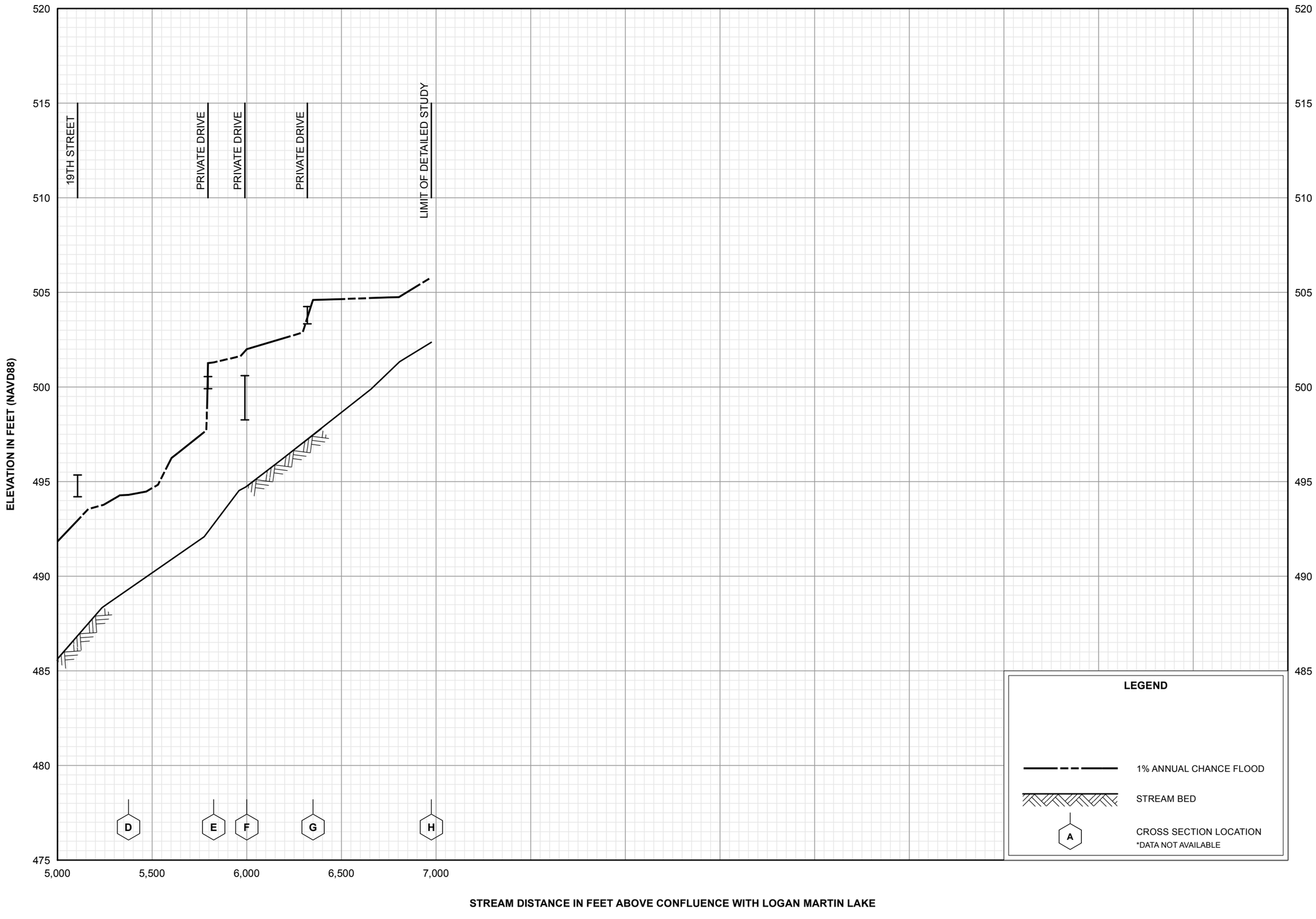


FLOOD PROFILES

BLUE SPRING BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

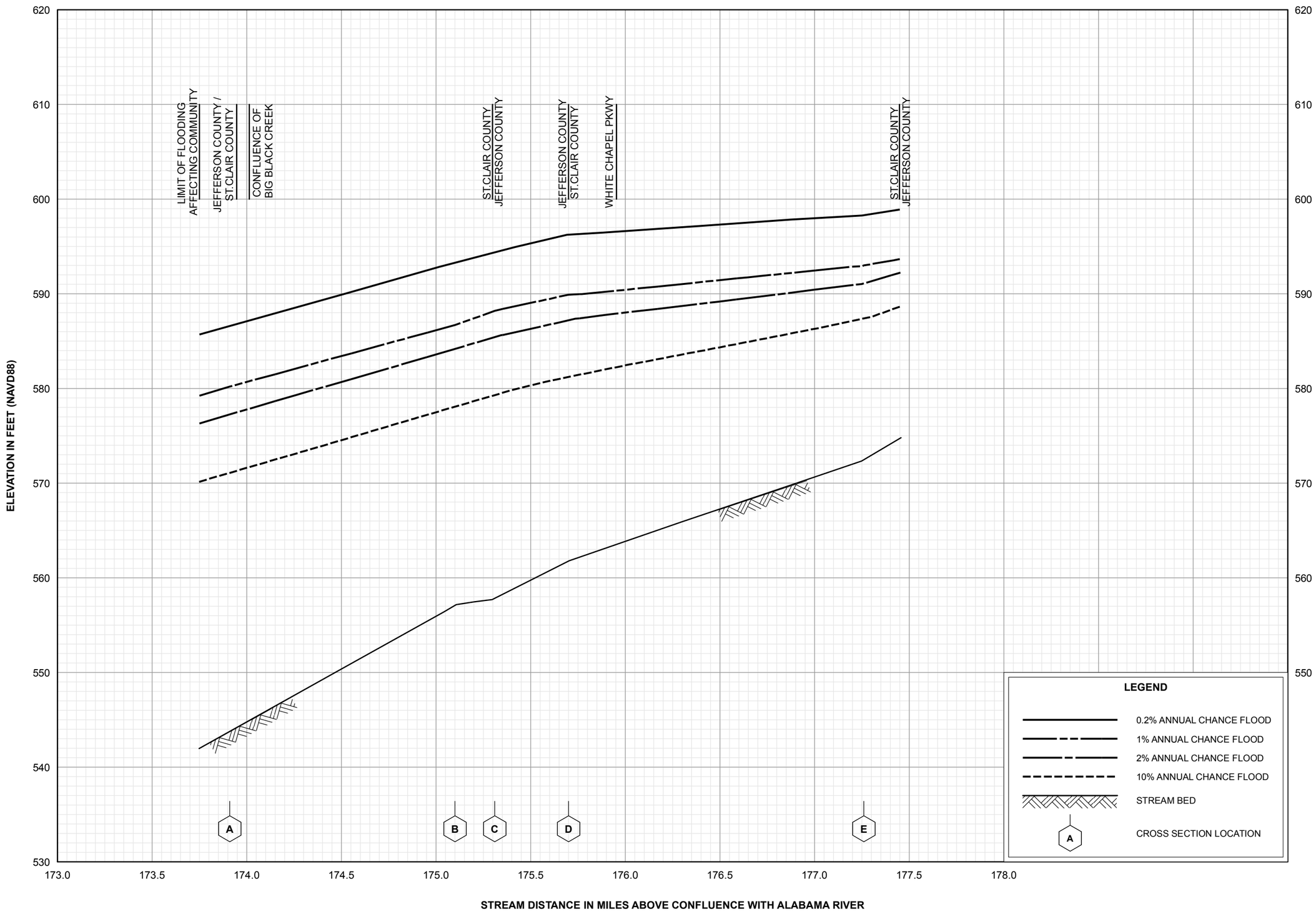


FLOOD PROFILES

BLUE SPRING BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

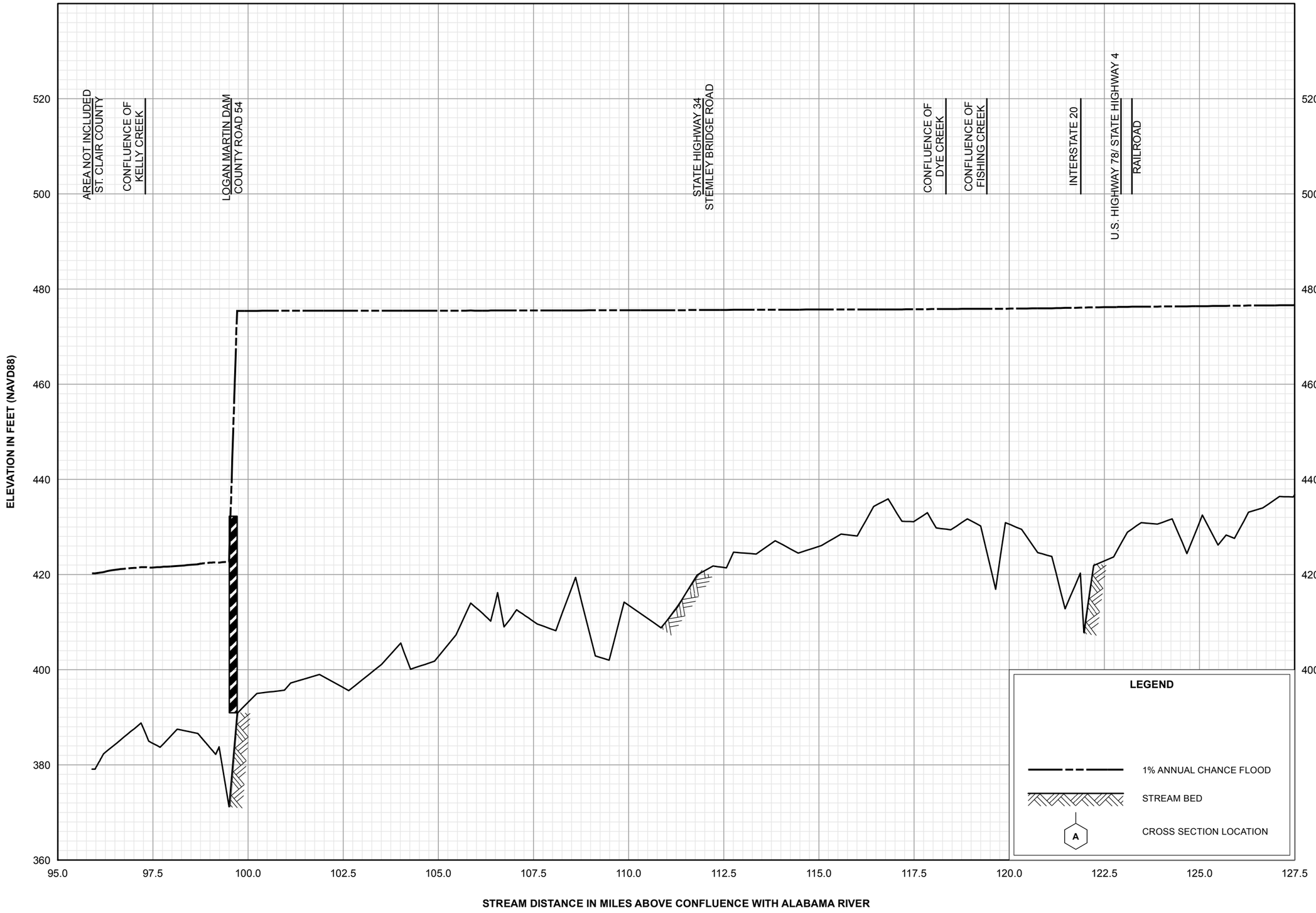


FLOOD PROFILES

CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

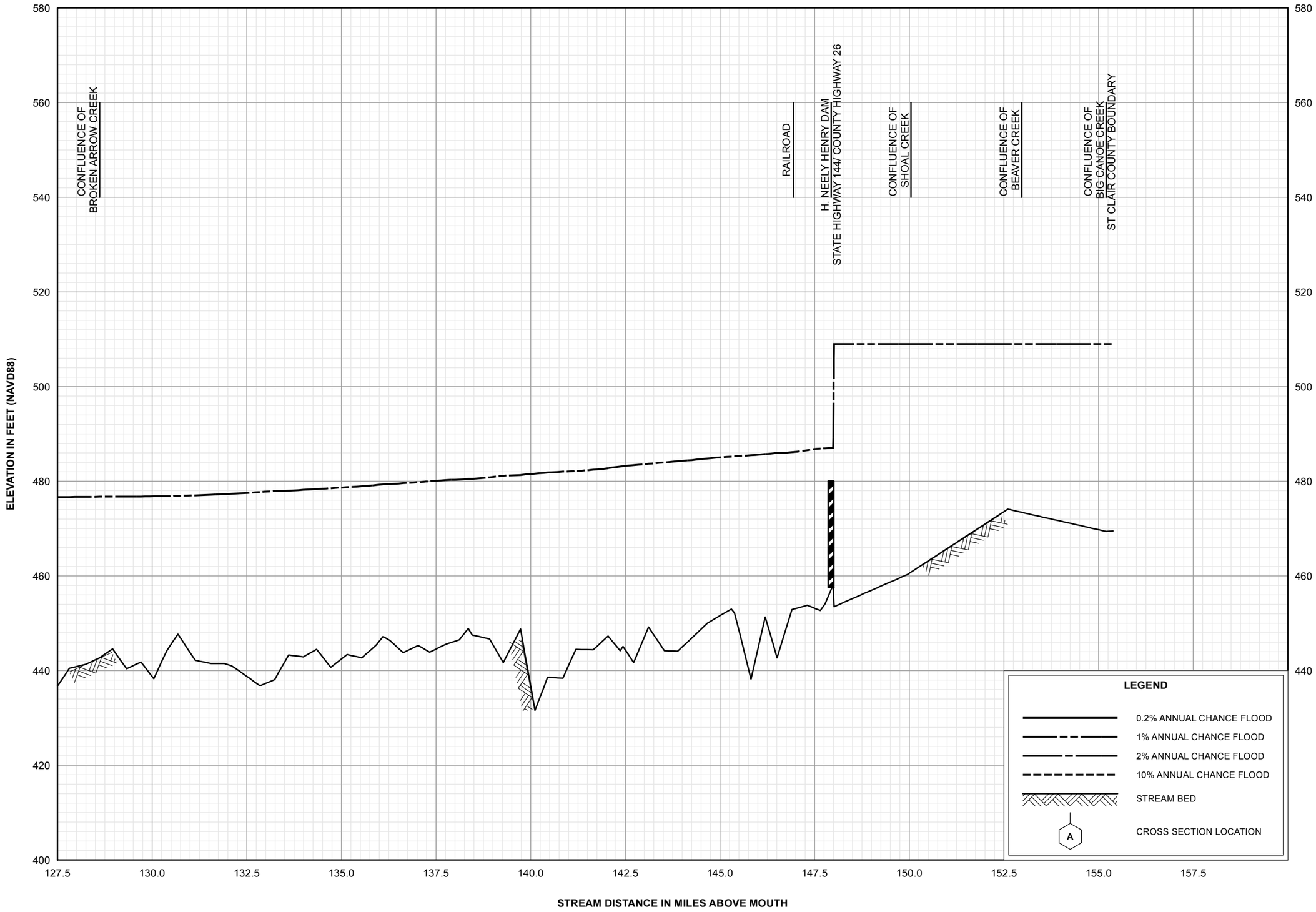


FLOOD PROFILES

COOSA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

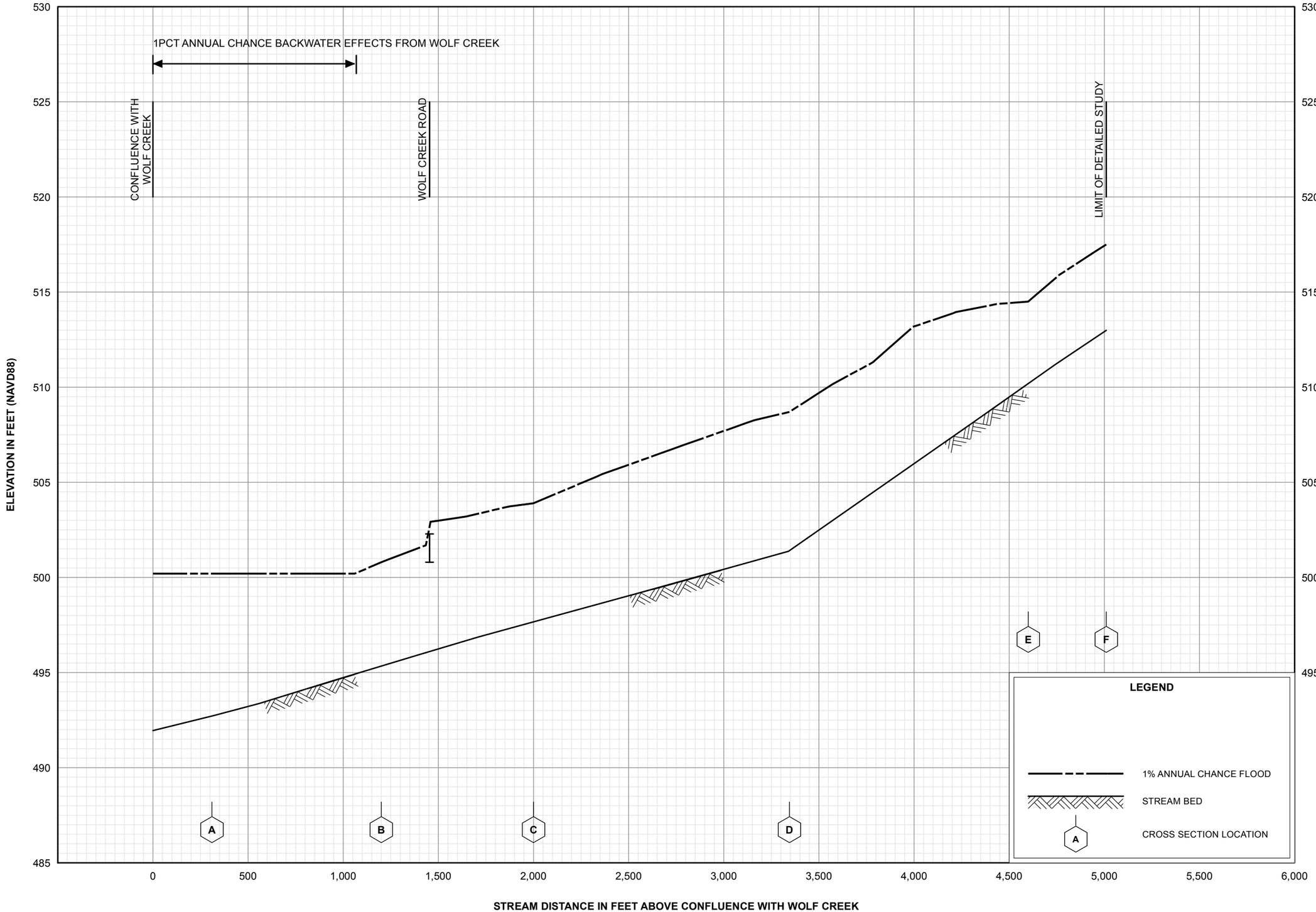


FLOOD PROFILES

COOSA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

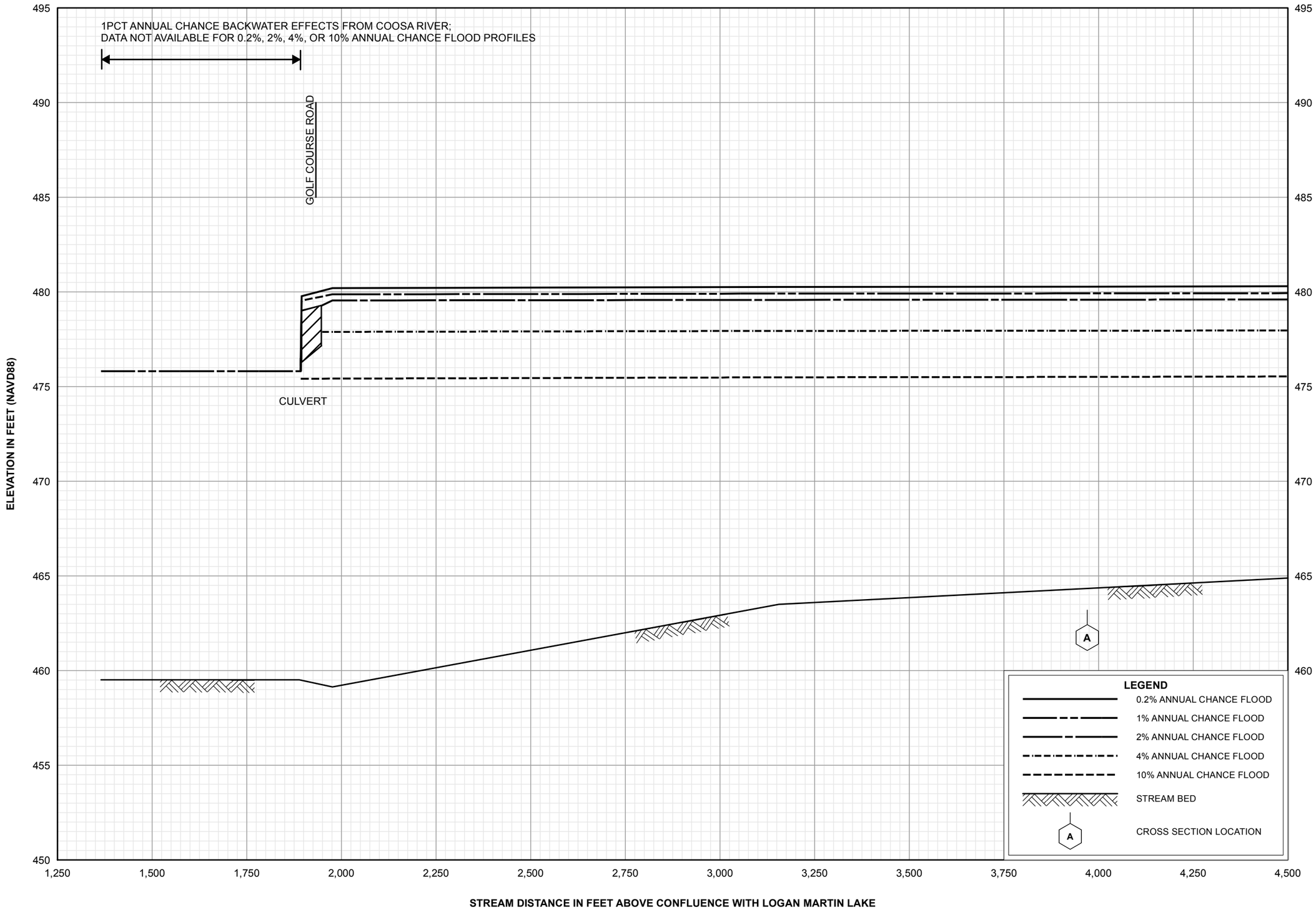


FLOOD PROFILES

DUNLAP SPRING BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

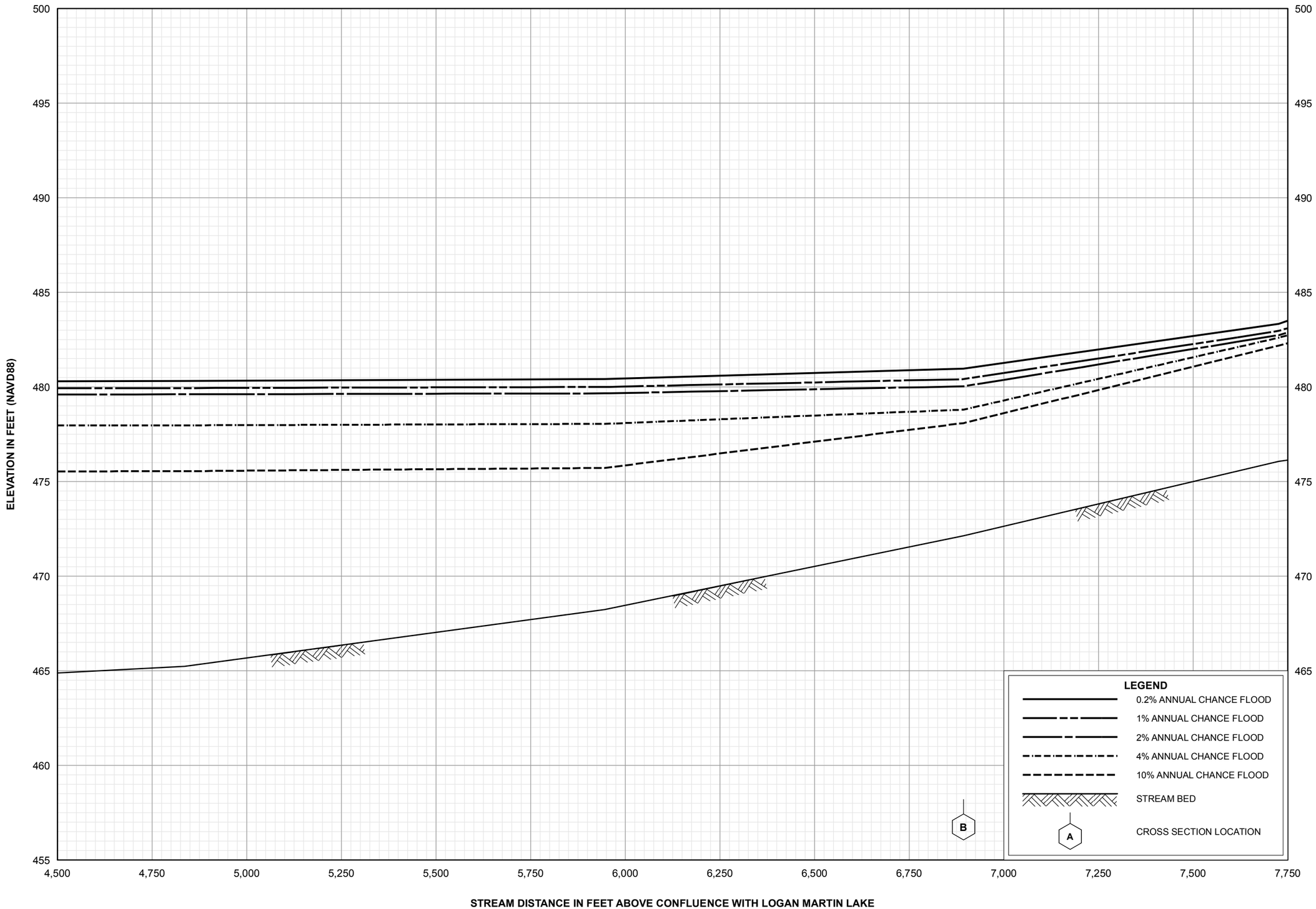


FLOOD PROFILES

DYE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

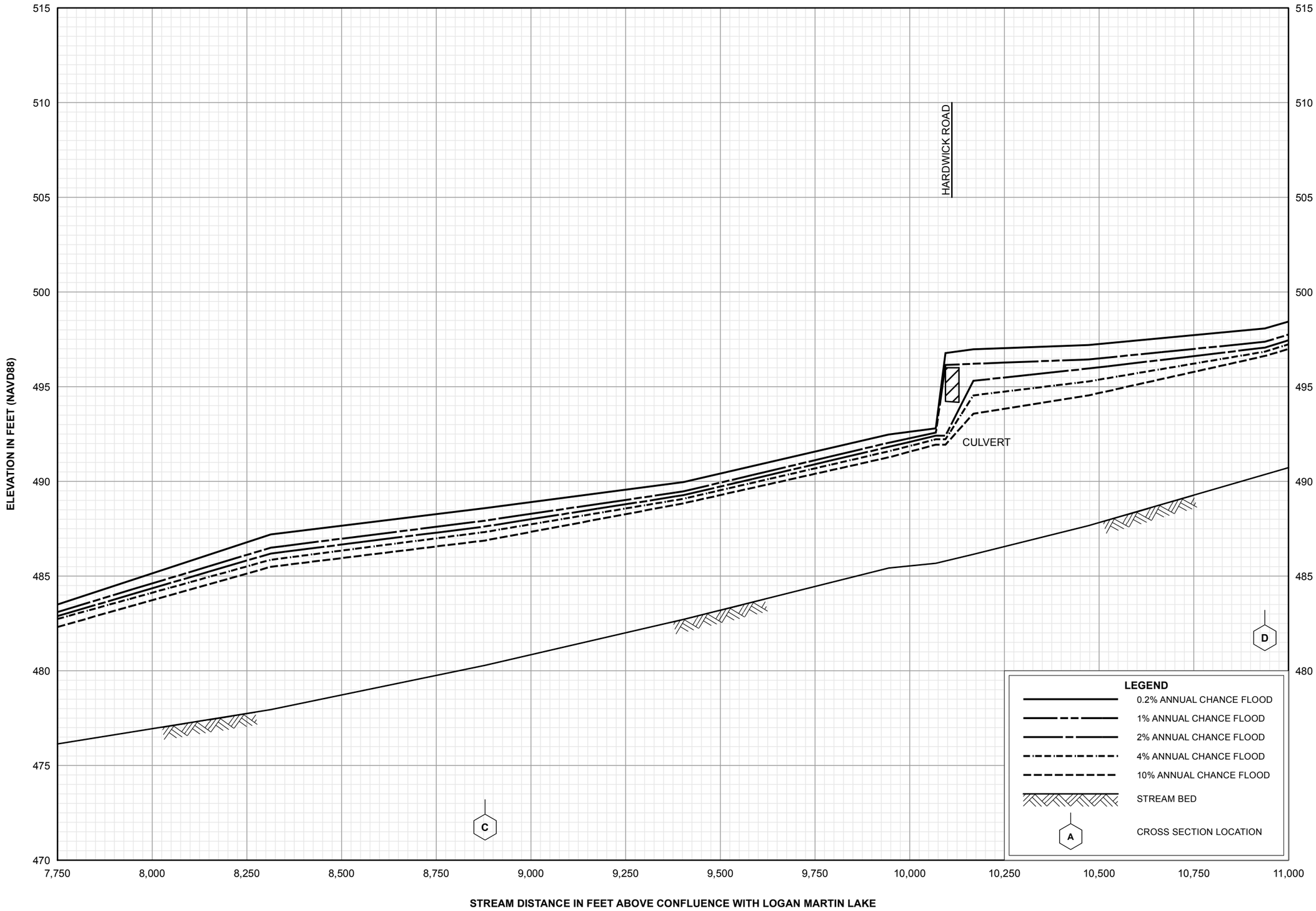


FLOOD PROFILES

DYE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

DYE CREEK

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ST. CLAIR COUNTY, AL
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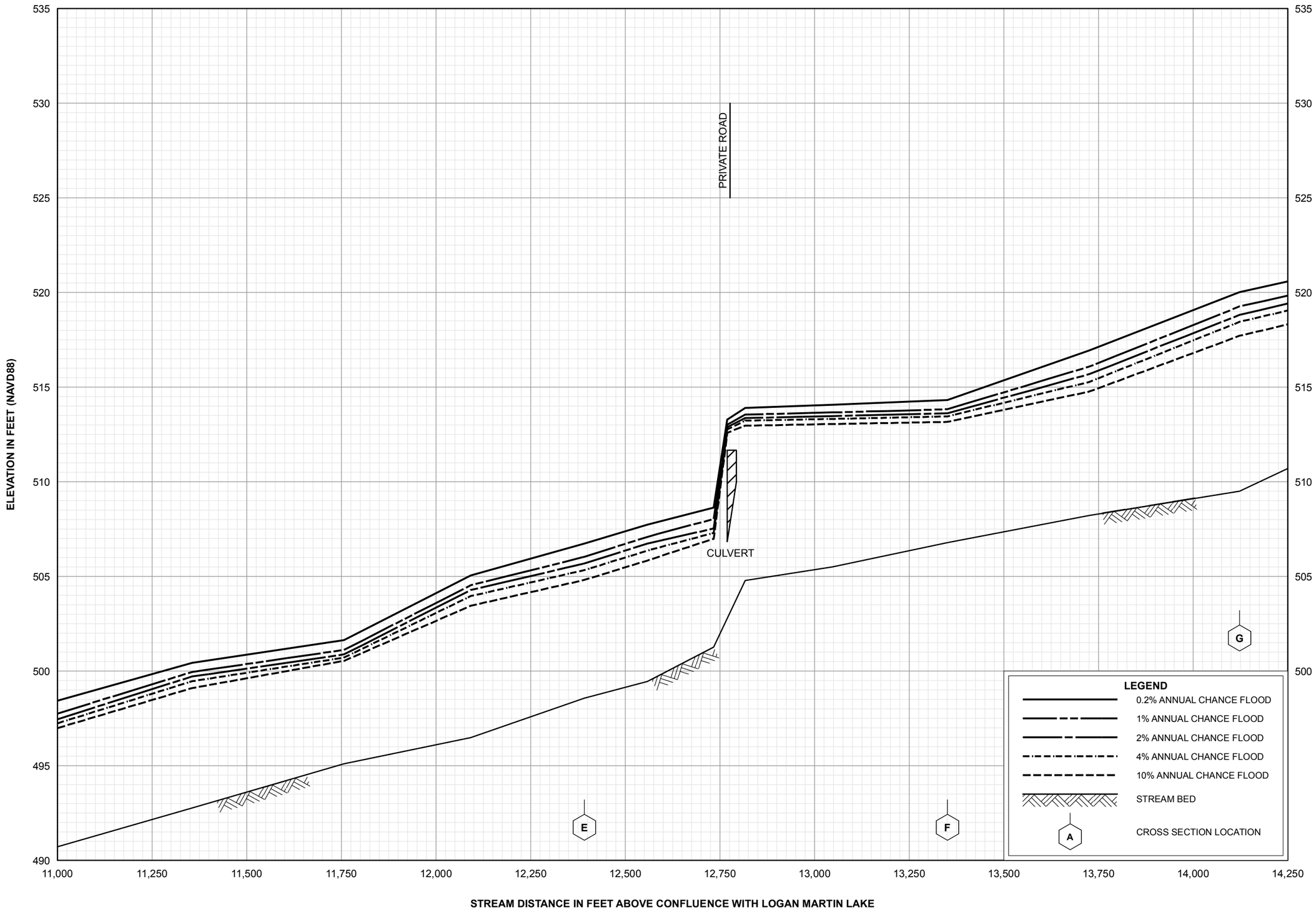

FLOOD PROFILES

DYE CREEK

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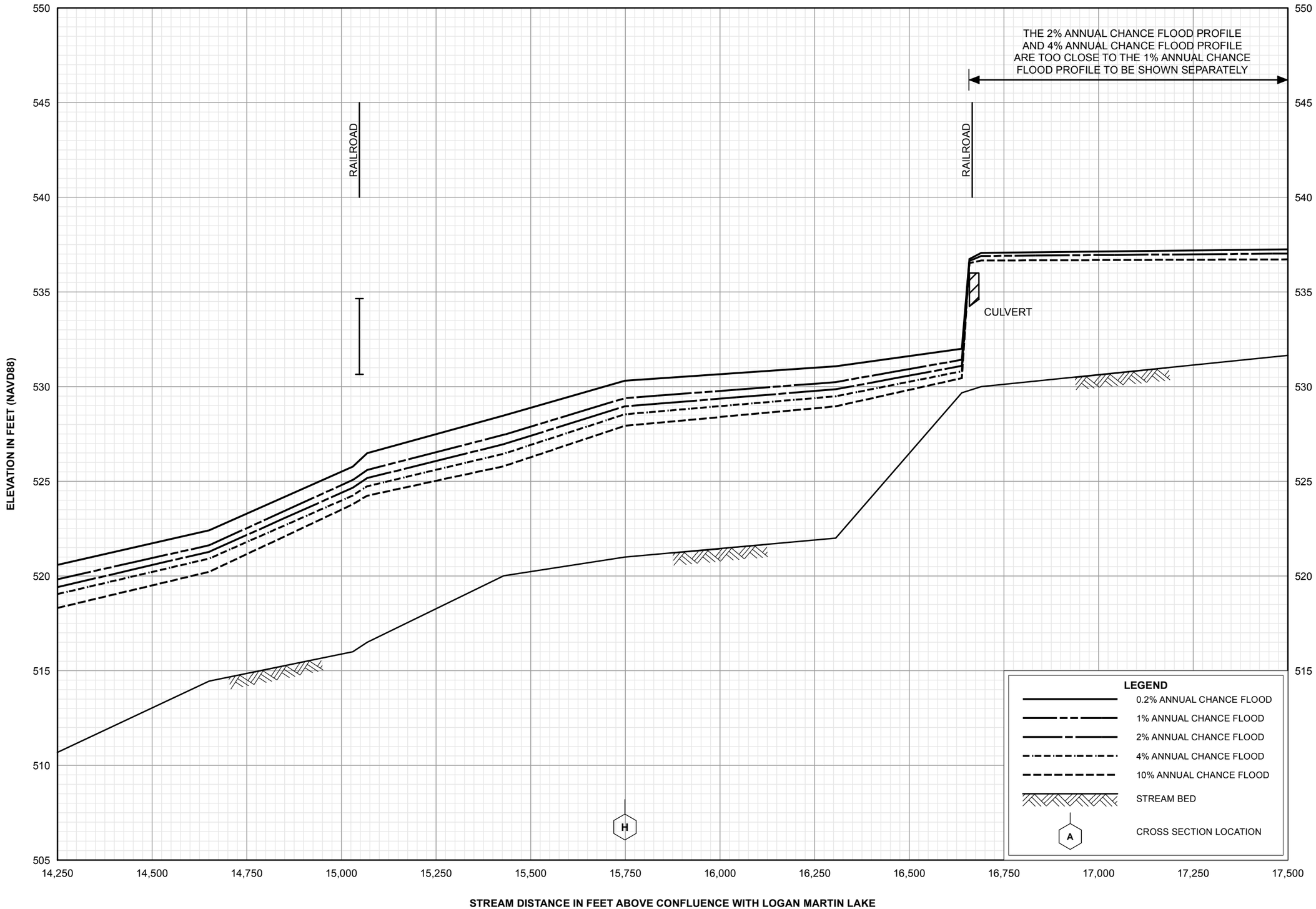

FLOOD PROFILES

DYE CREEK

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ST. CLAIR COUNTY, AL
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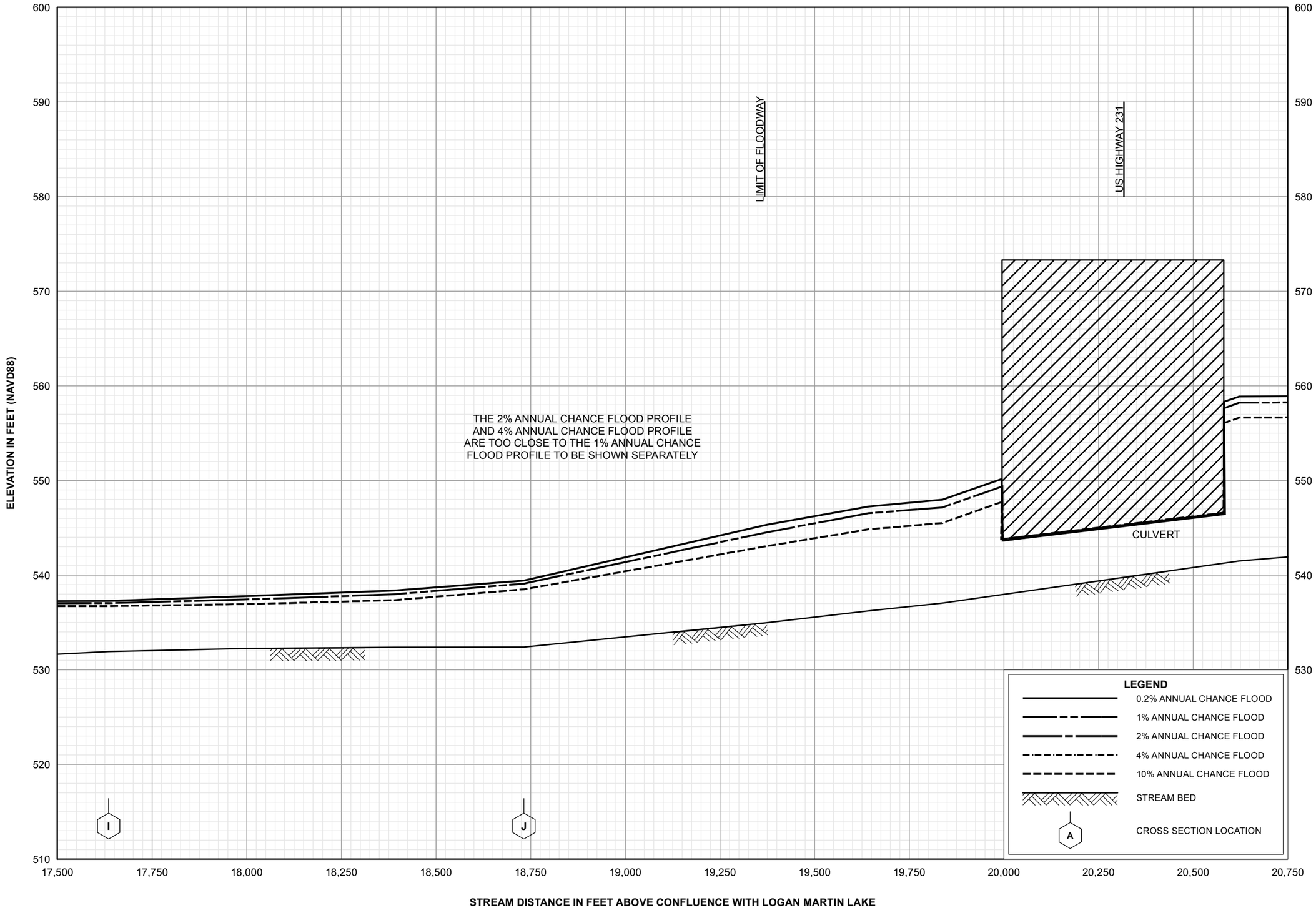

FLOOD PROFILES

DYE CREEK

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ST. CLAIR COUNTY, AL
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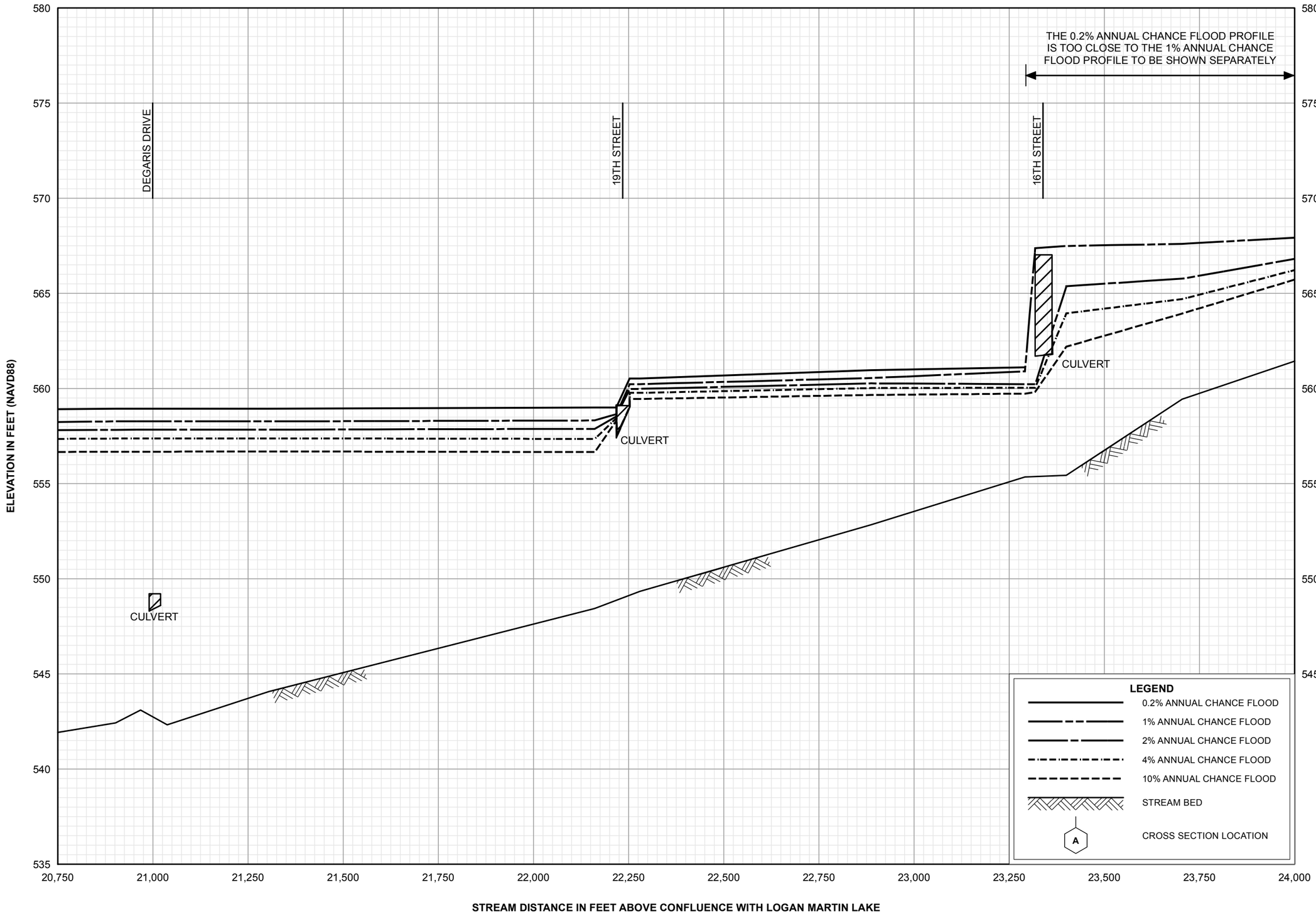

FLOOD PROFILES

DYE CREEK

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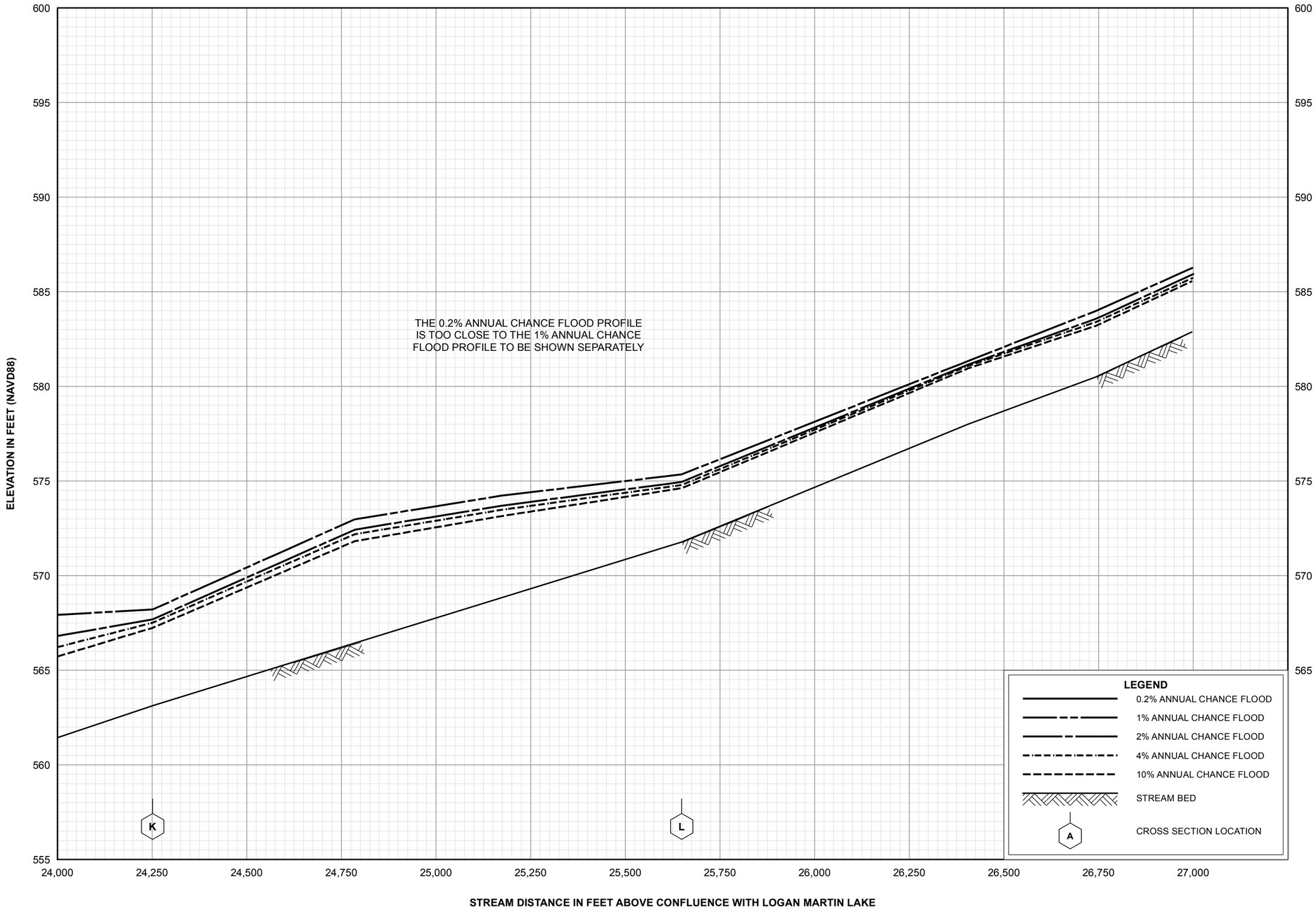

FLOOD PROFILES

DYE CREEK

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ST. CLAIR COUNTY, AL
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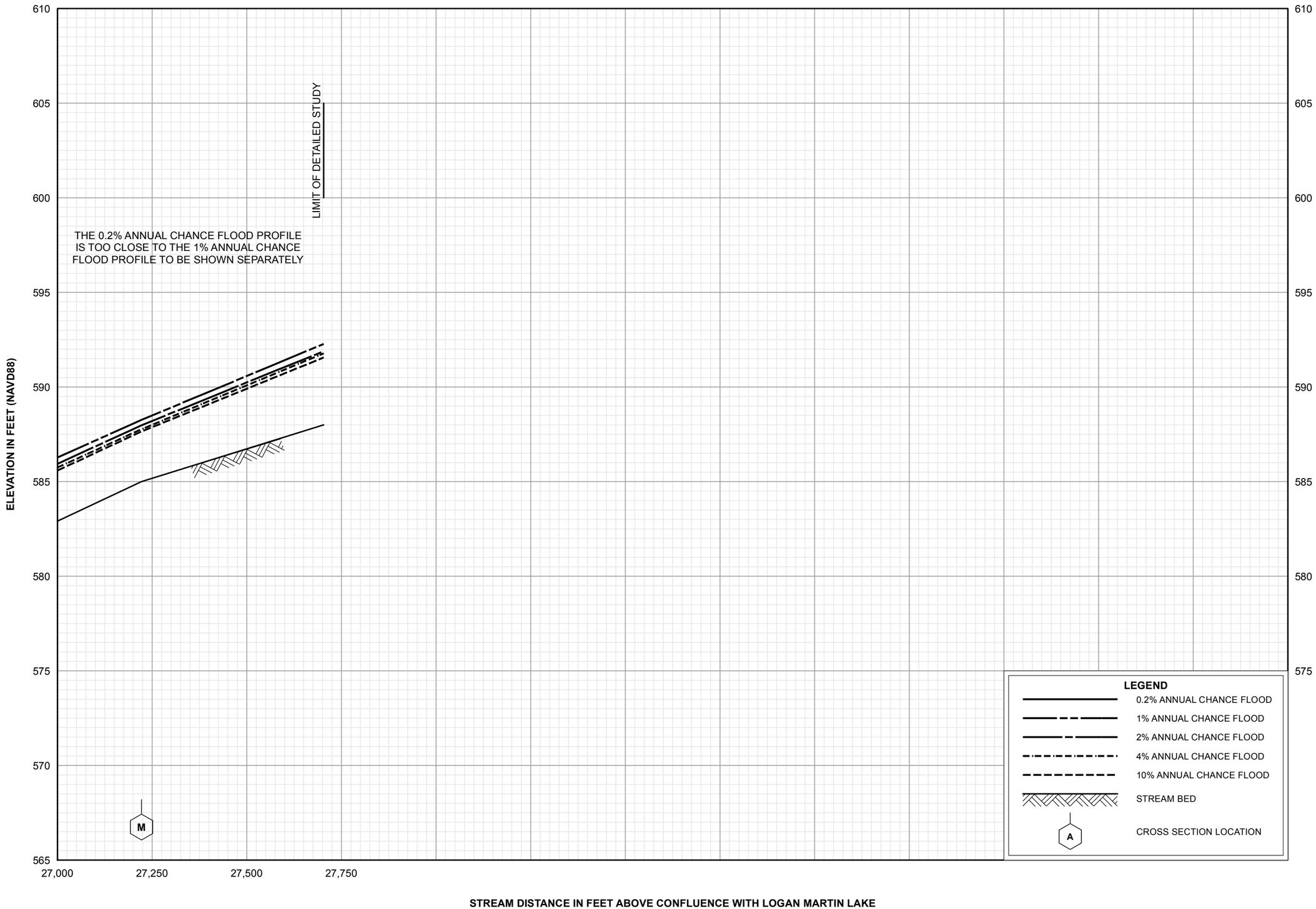

FLOOD PROFILES

DYE CREEK

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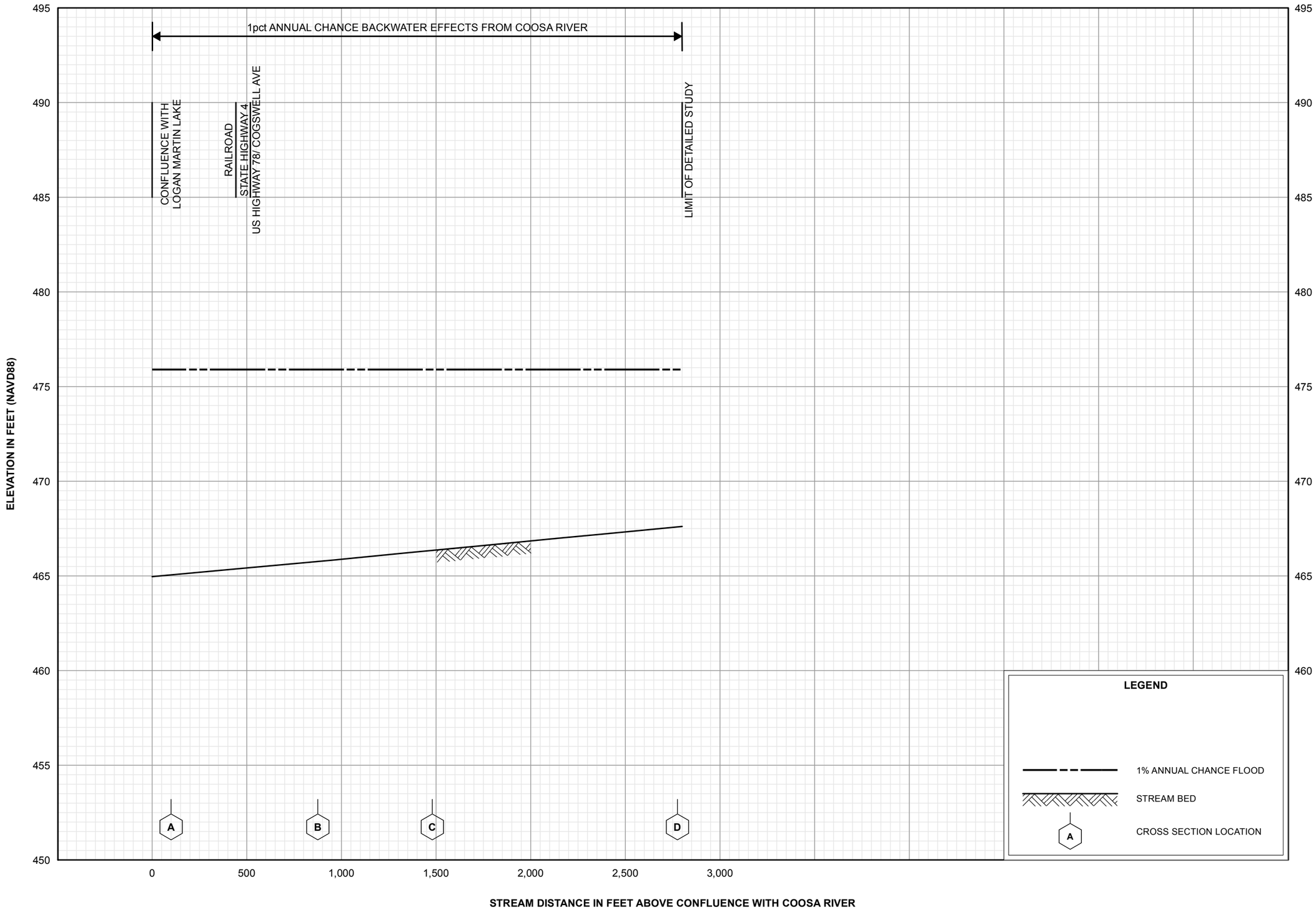

FLOOD PROFILES

FISHING CREEK

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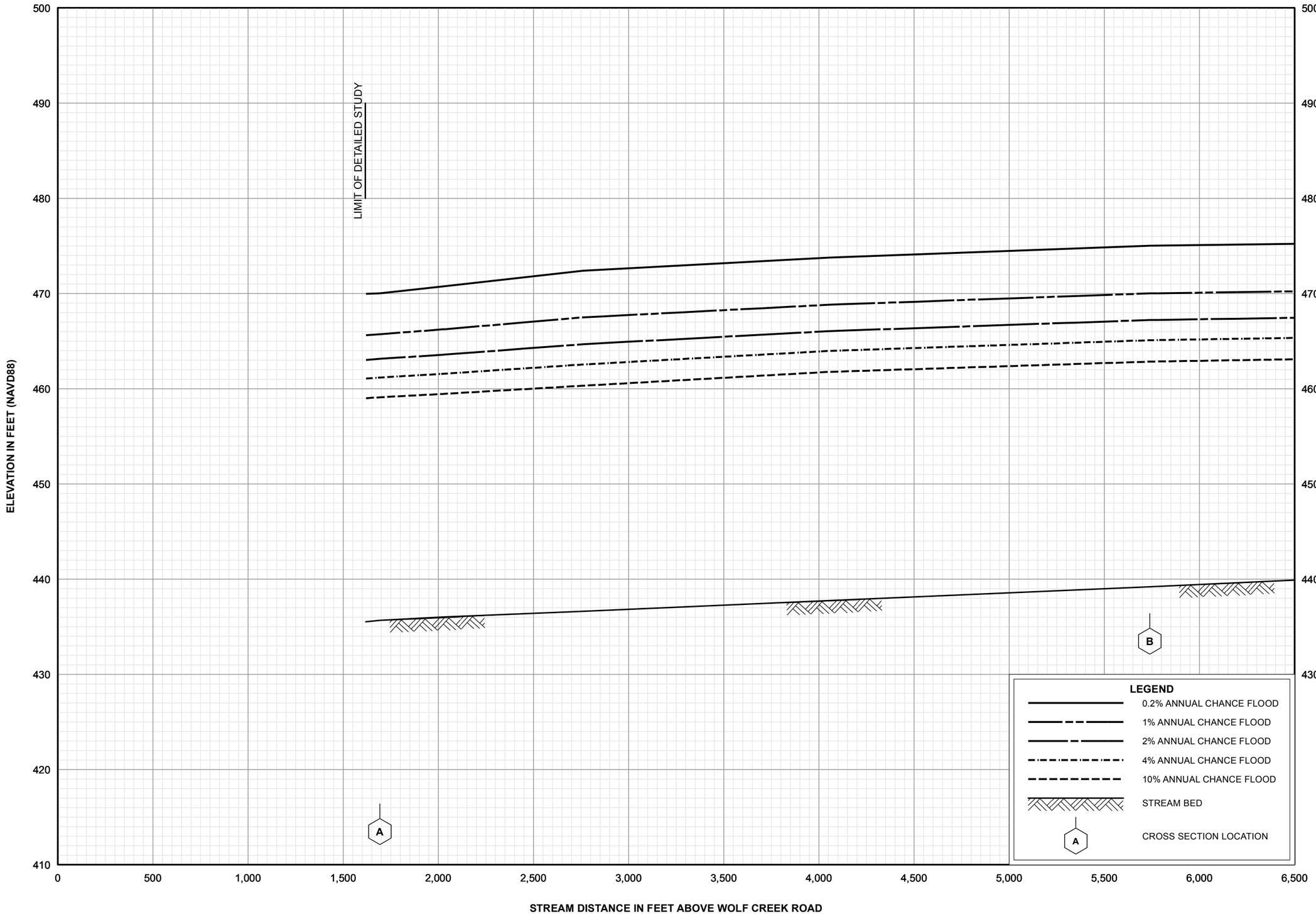

FLOOD PROFILES

KELLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
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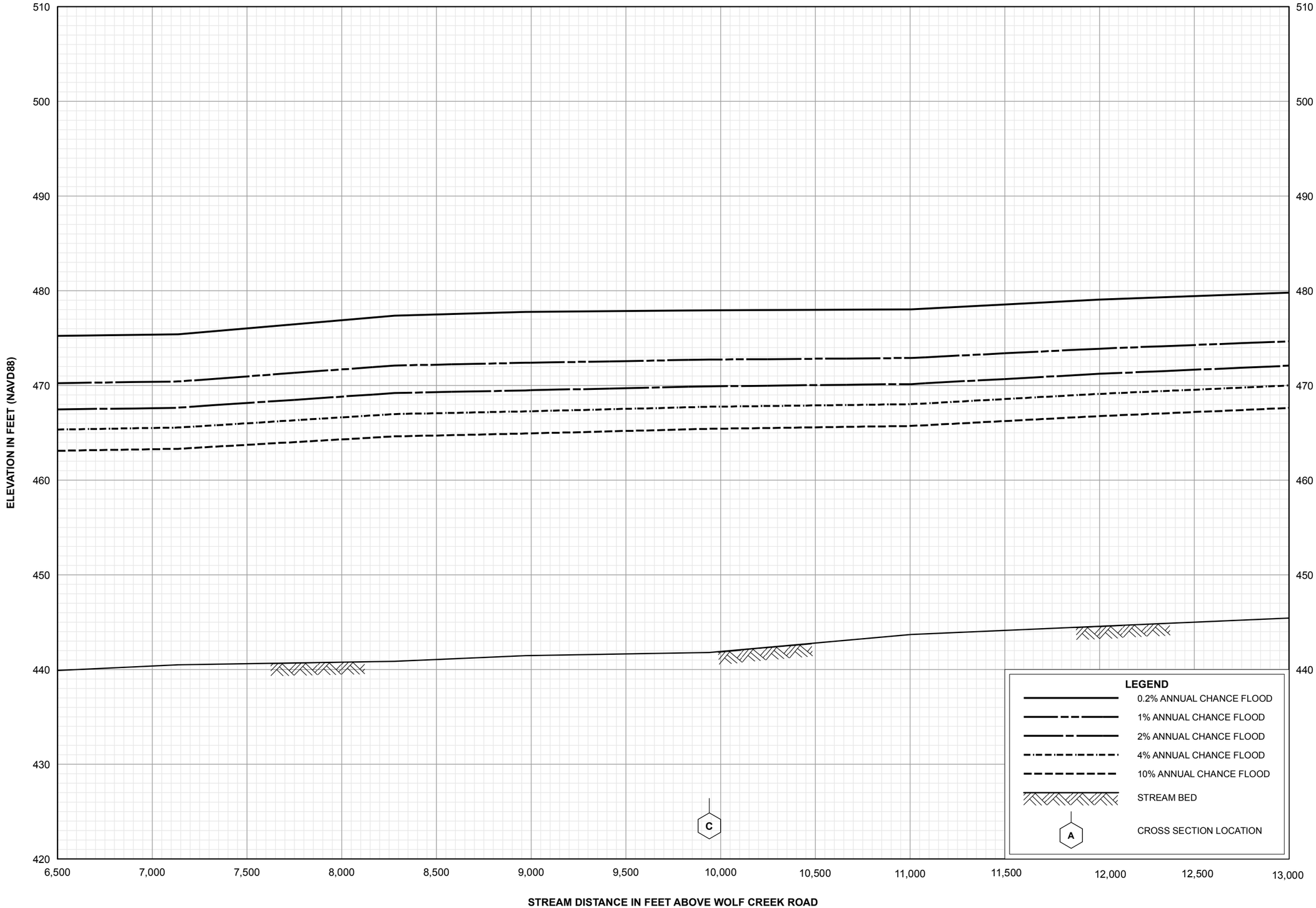

FLOOD PROFILES

KELLY CREEK

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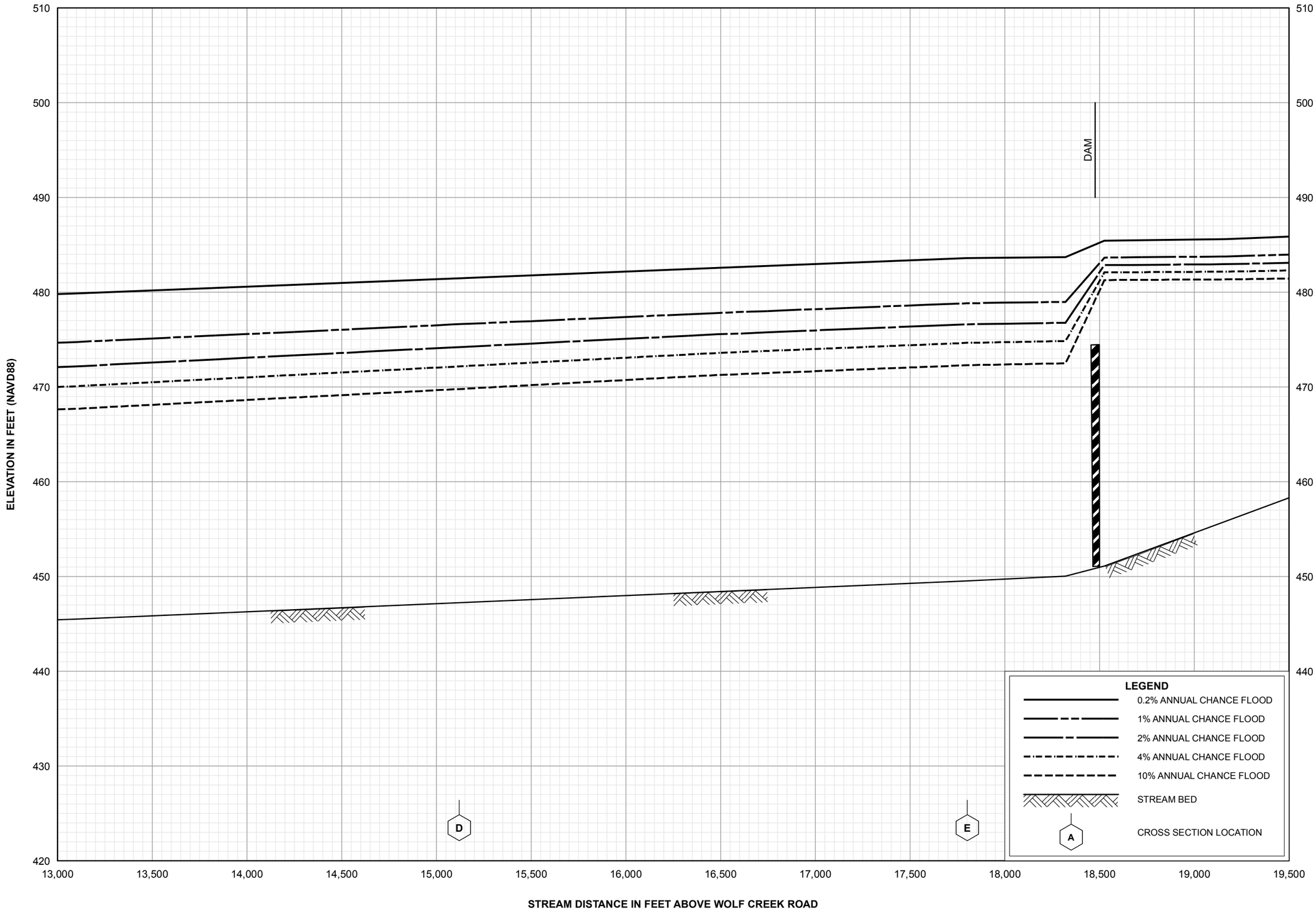

FLOOD PROFILES

KELLY CREEK

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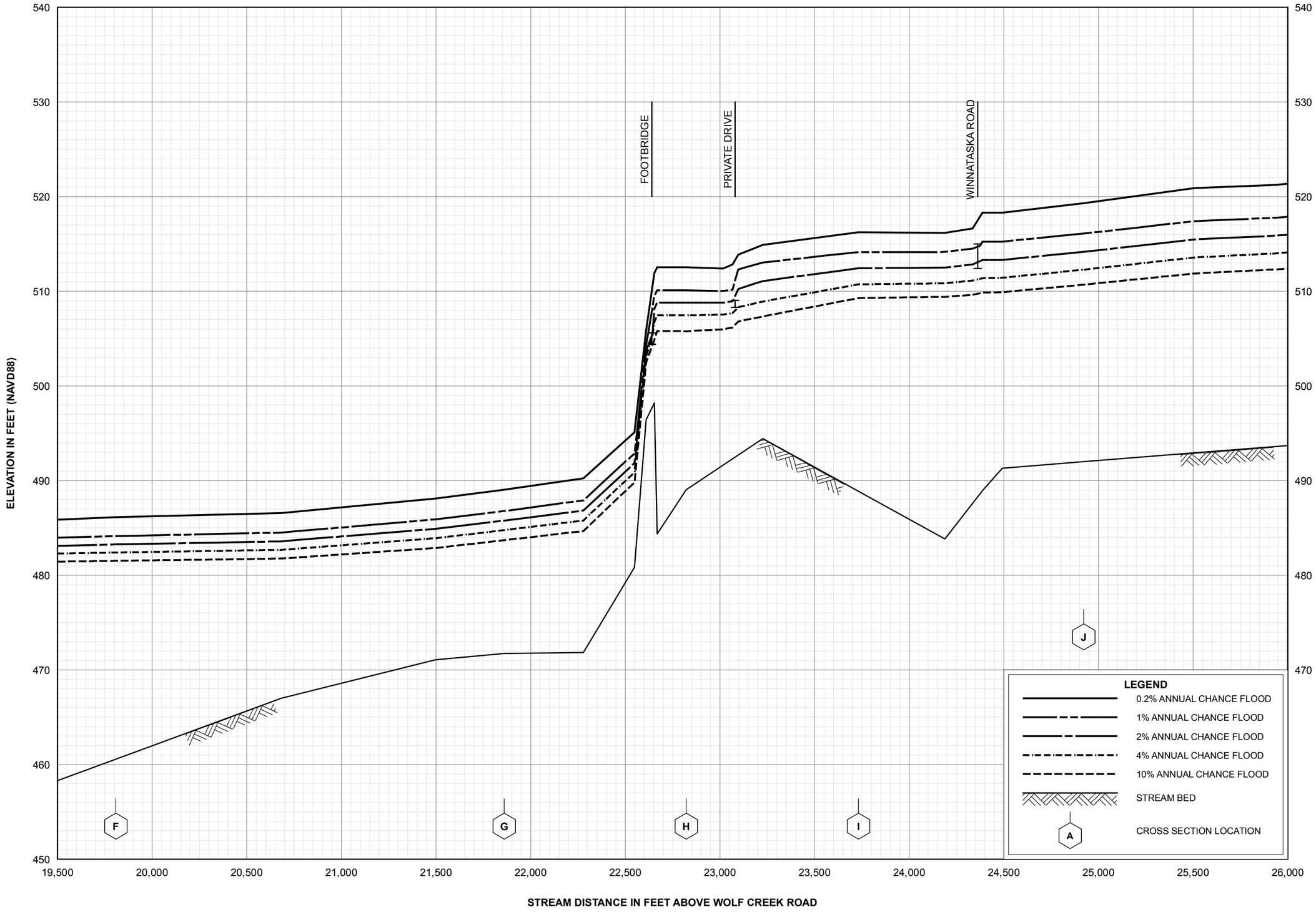

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KELLY CREEK

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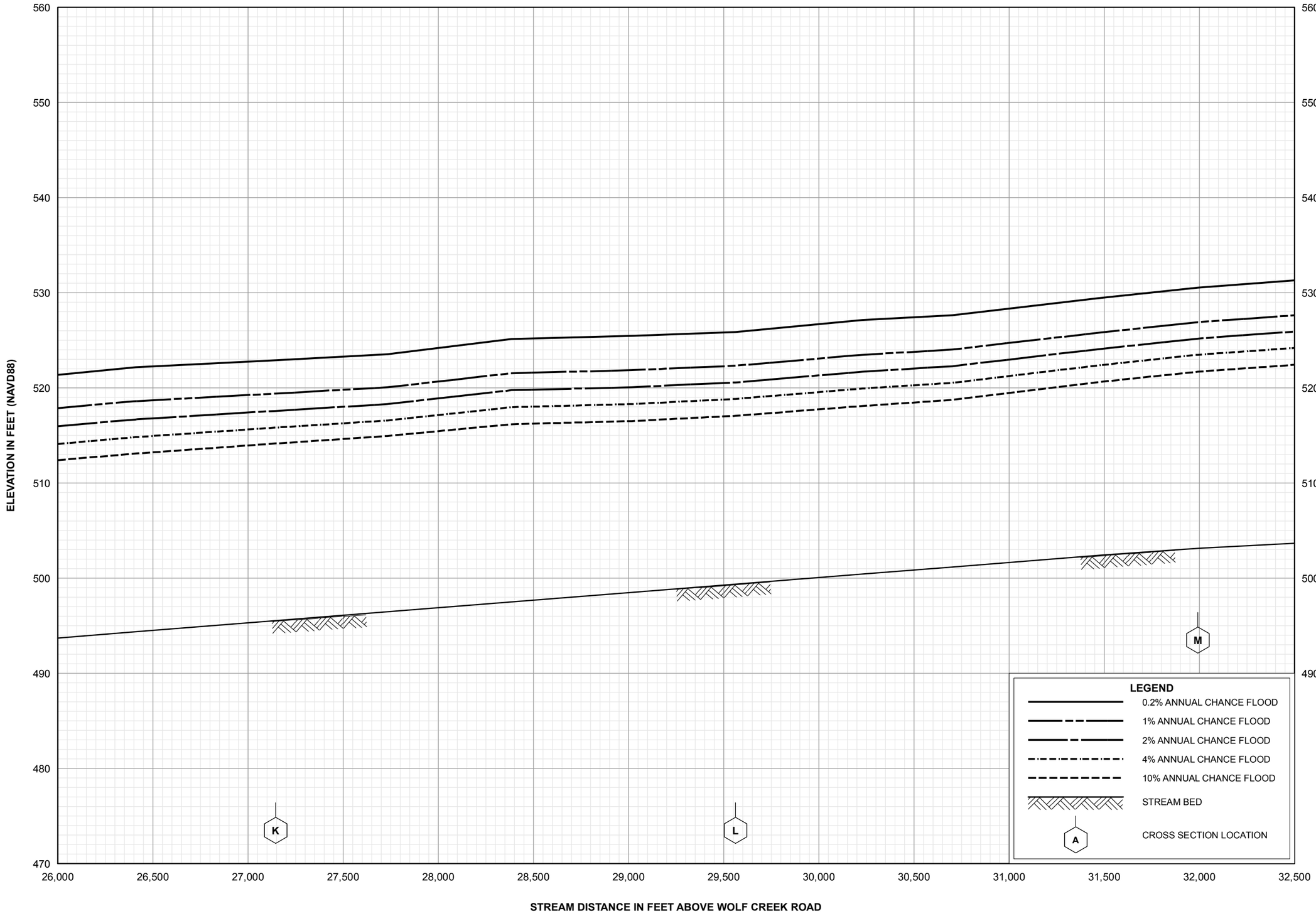

FLOOD PROFILES

KELLY CREEK

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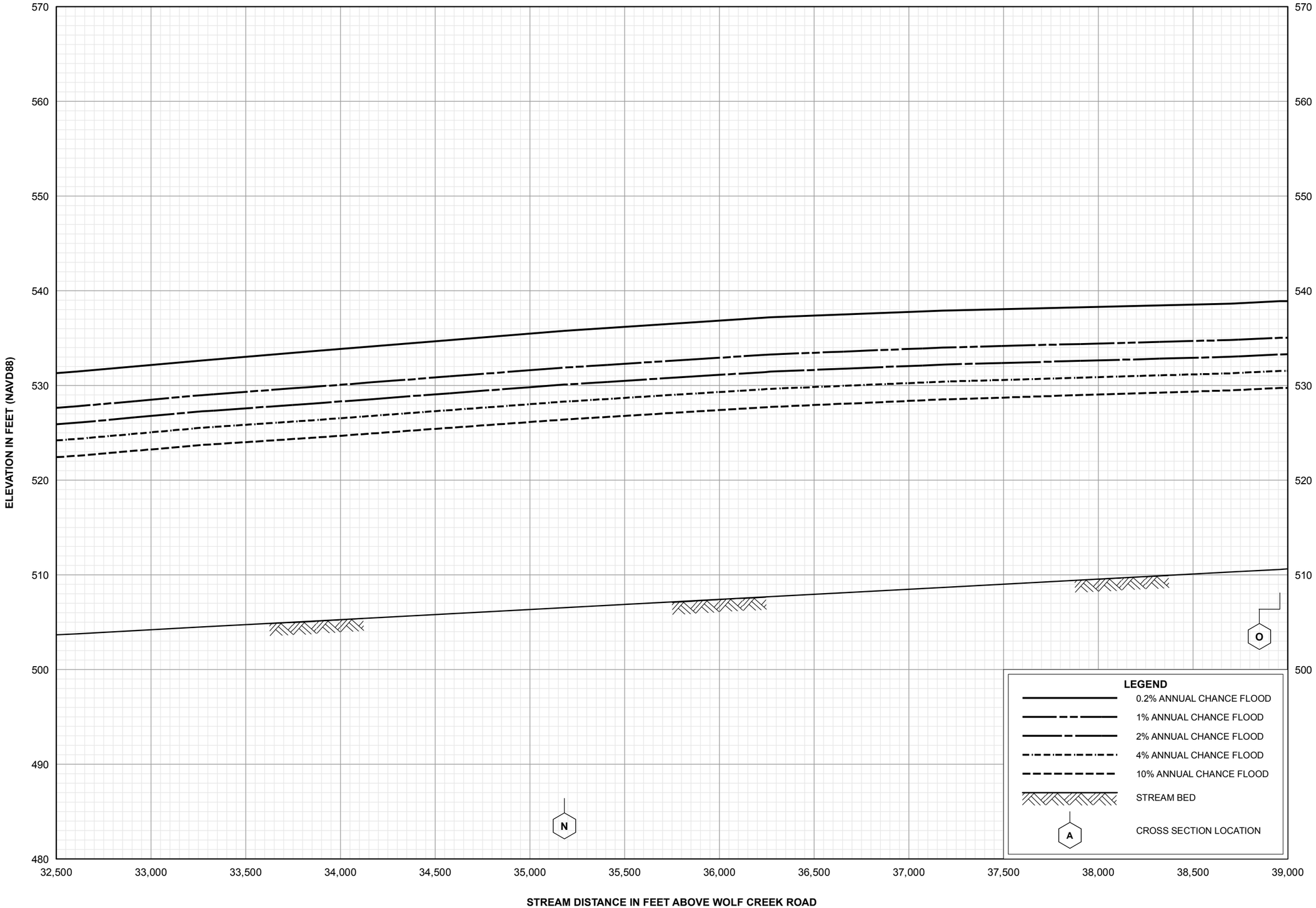

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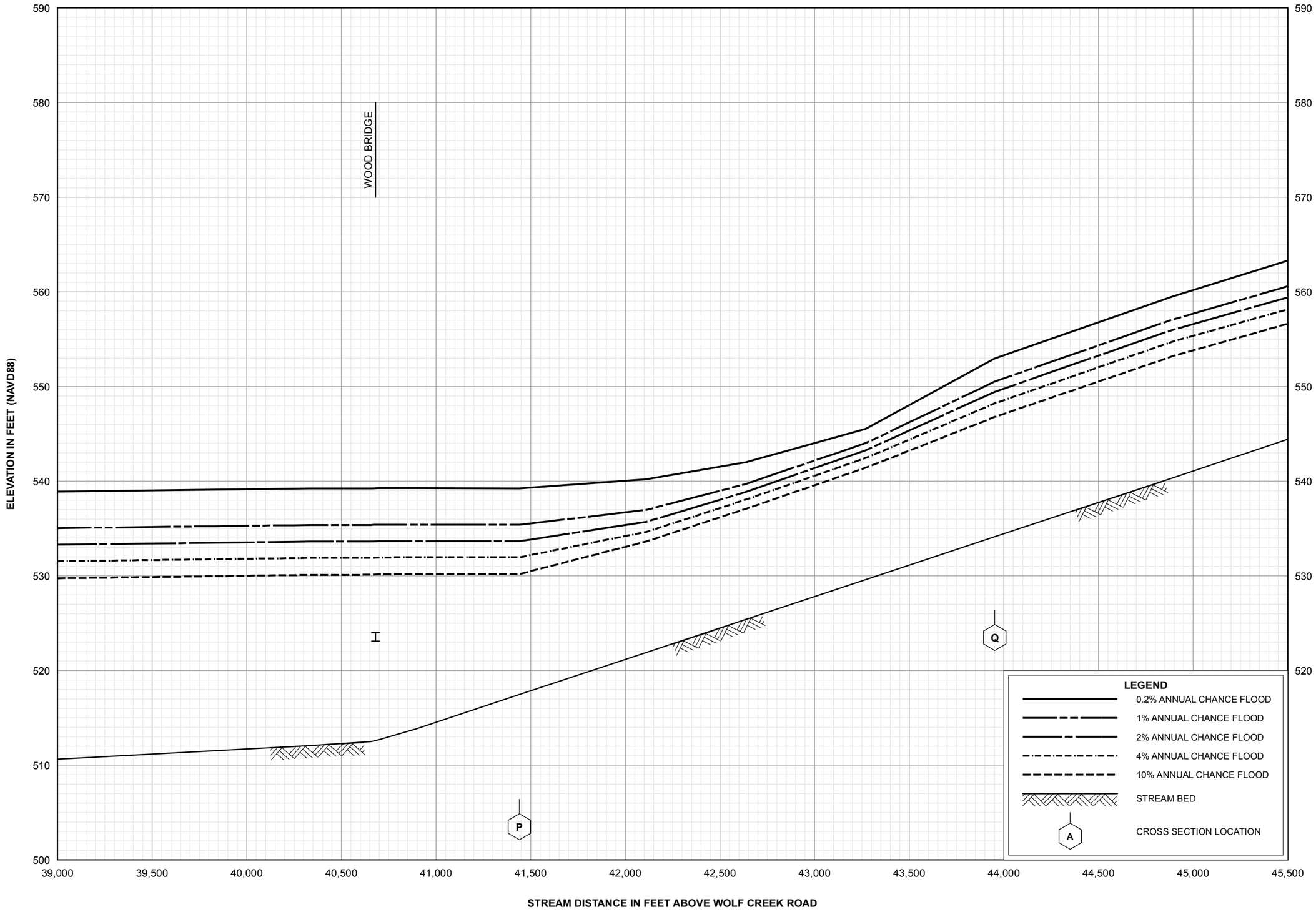

FLOOD PROFILES

KELLY CREEK

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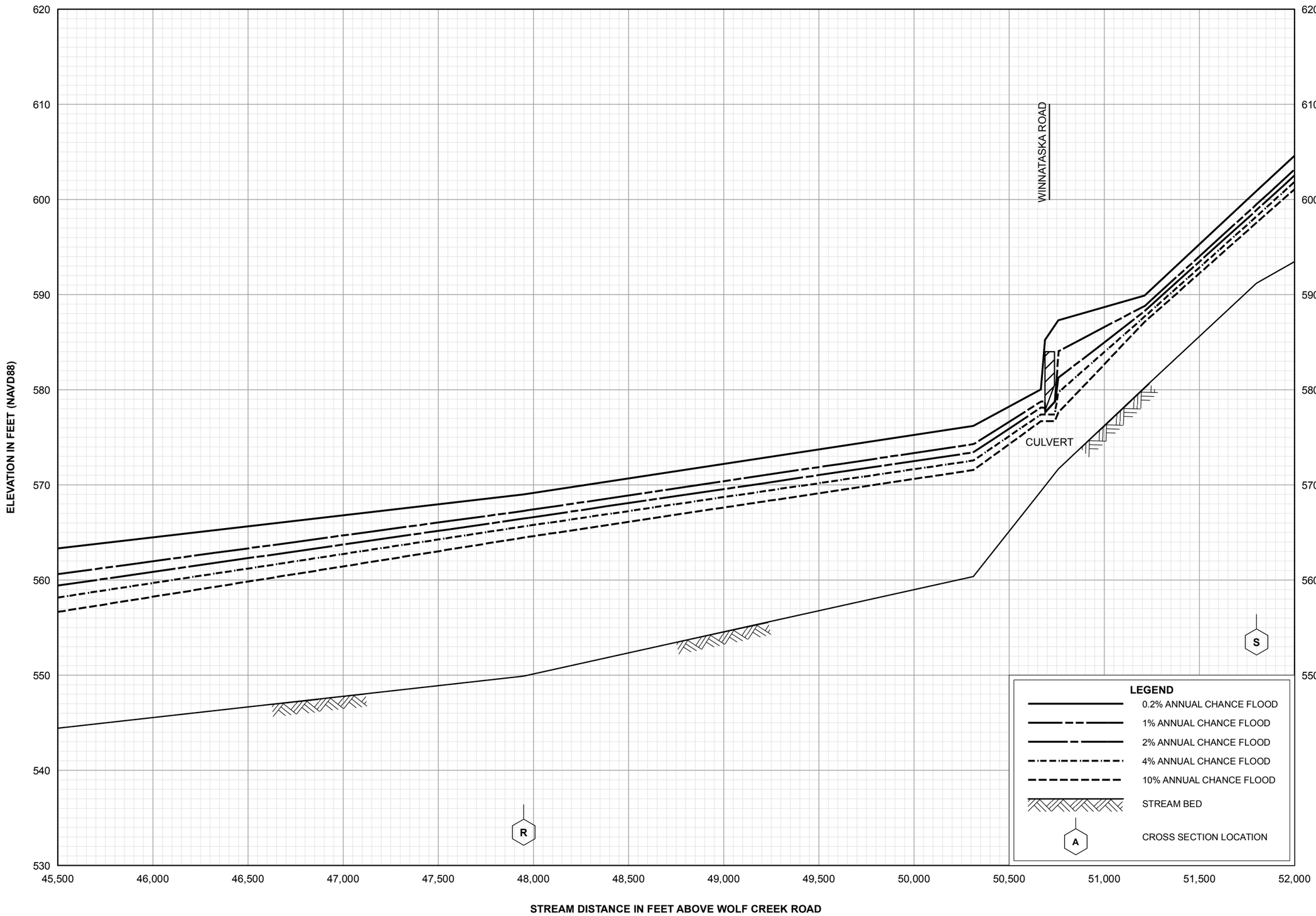

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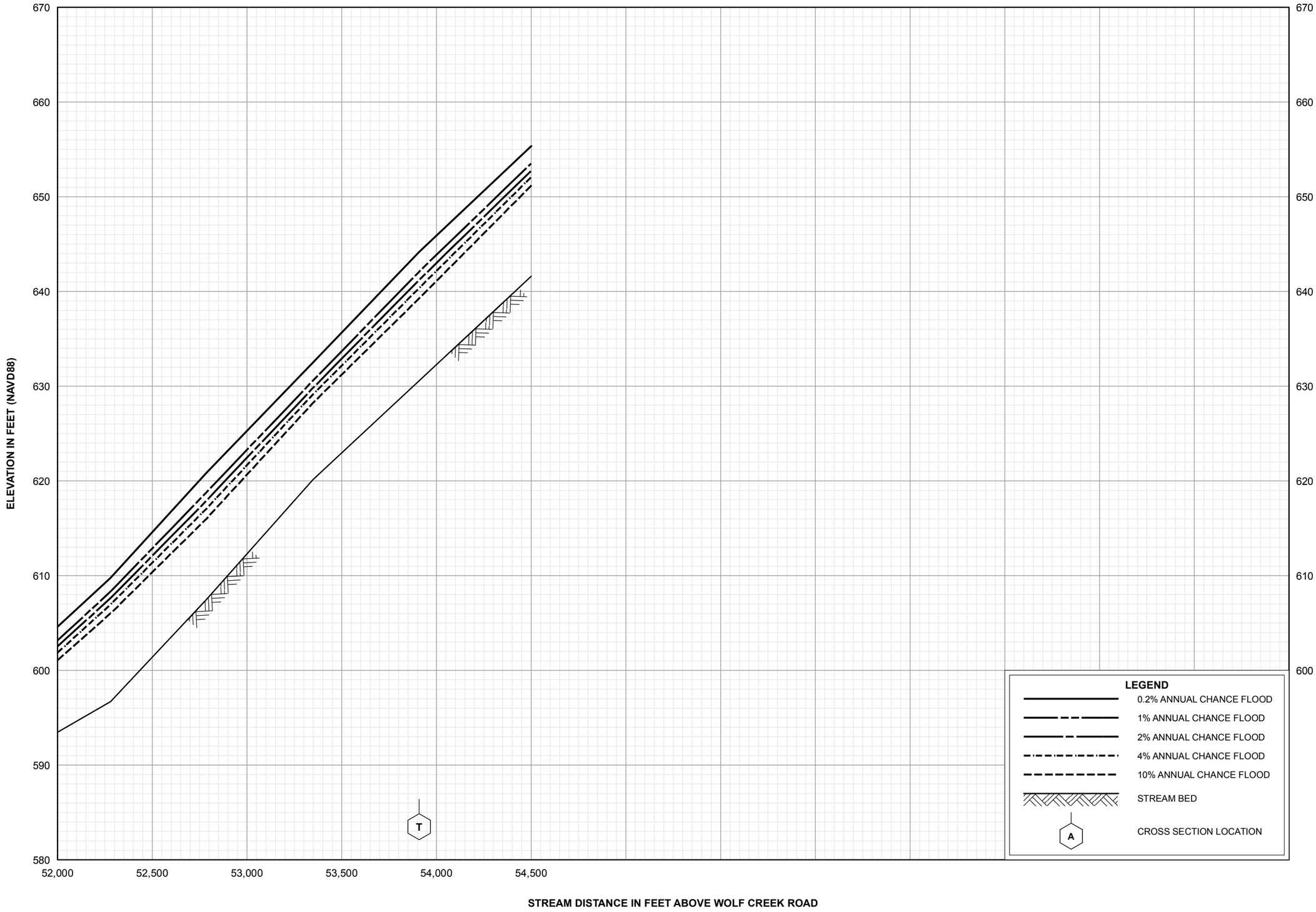

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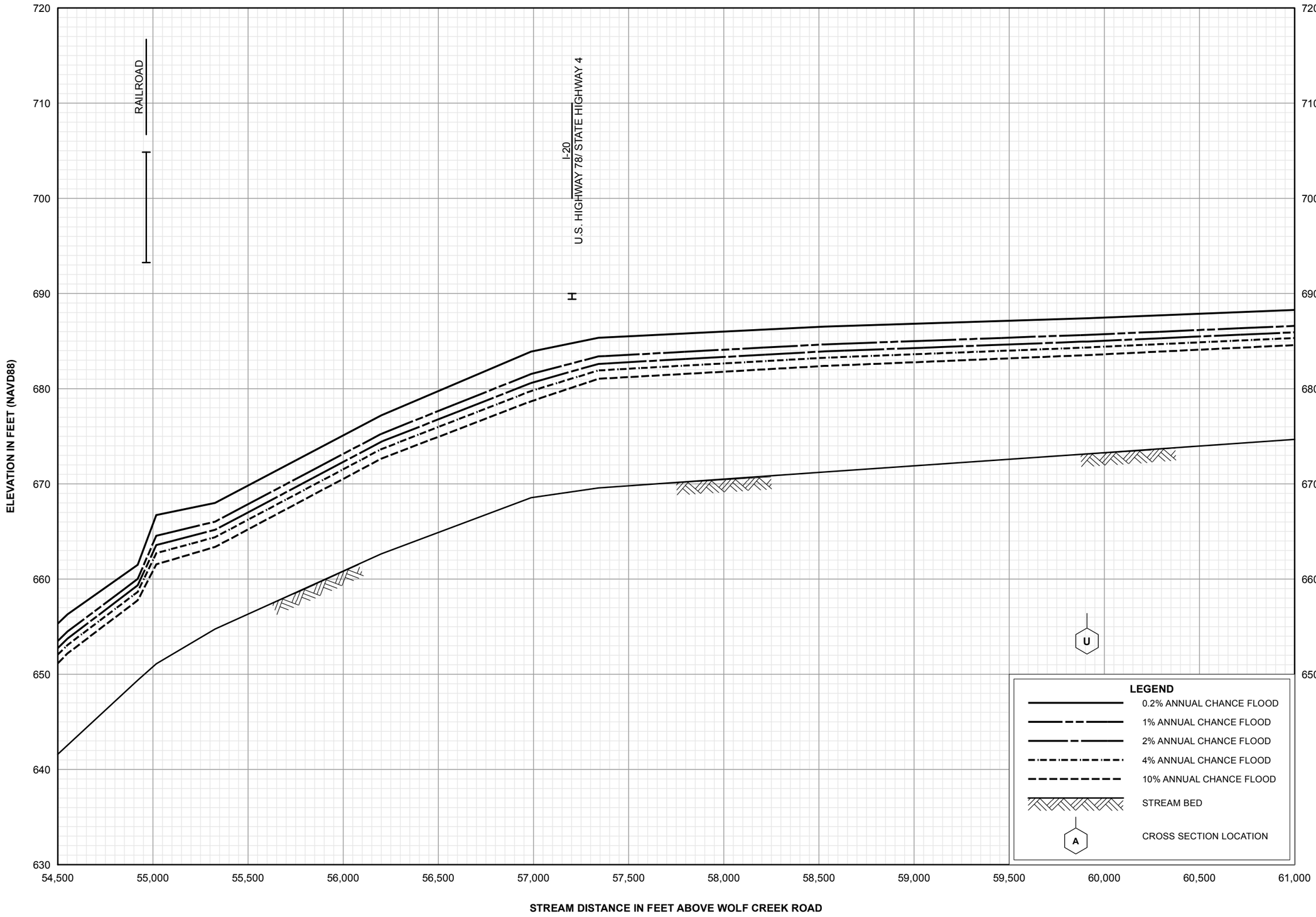

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KELLY CREEK

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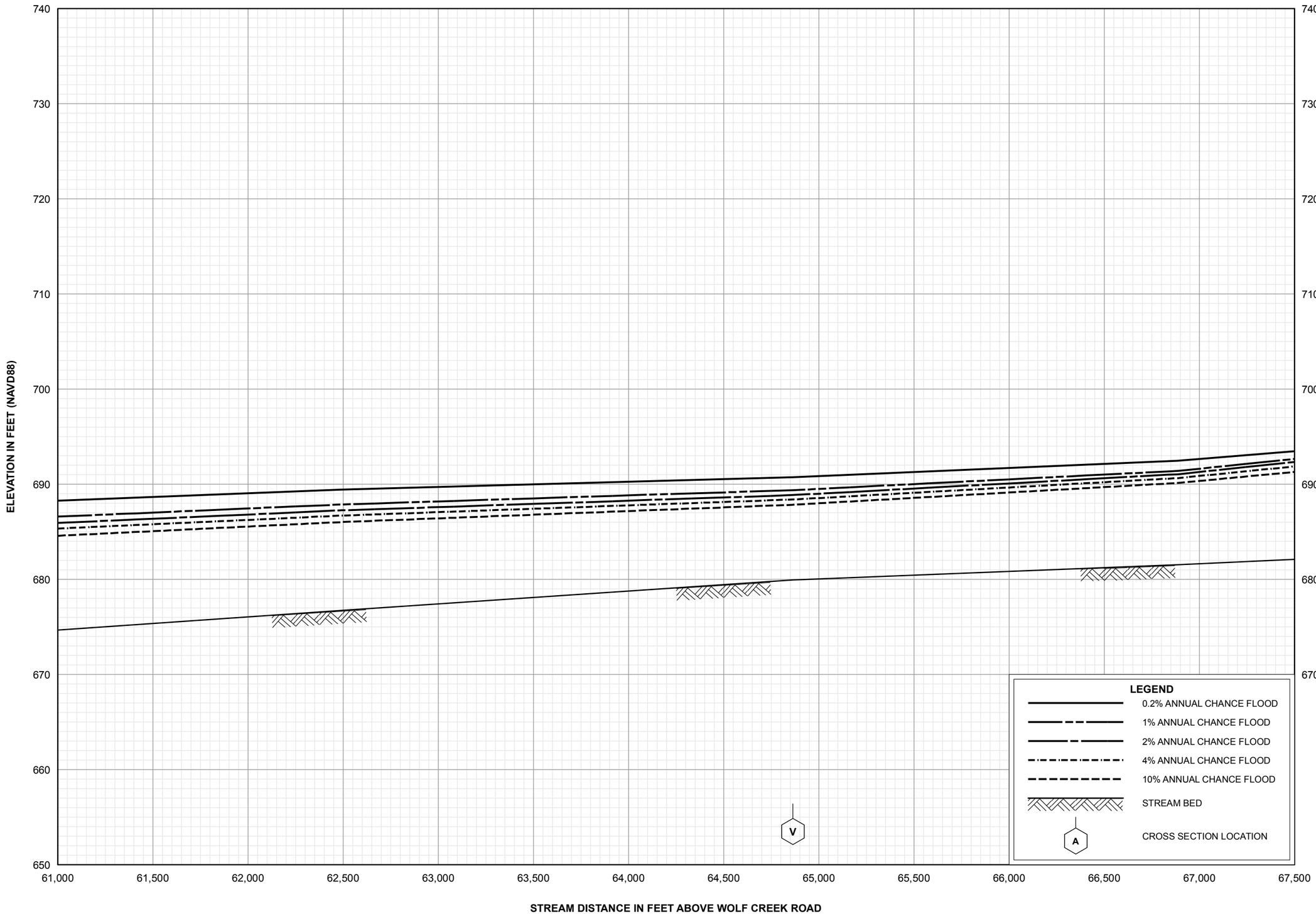

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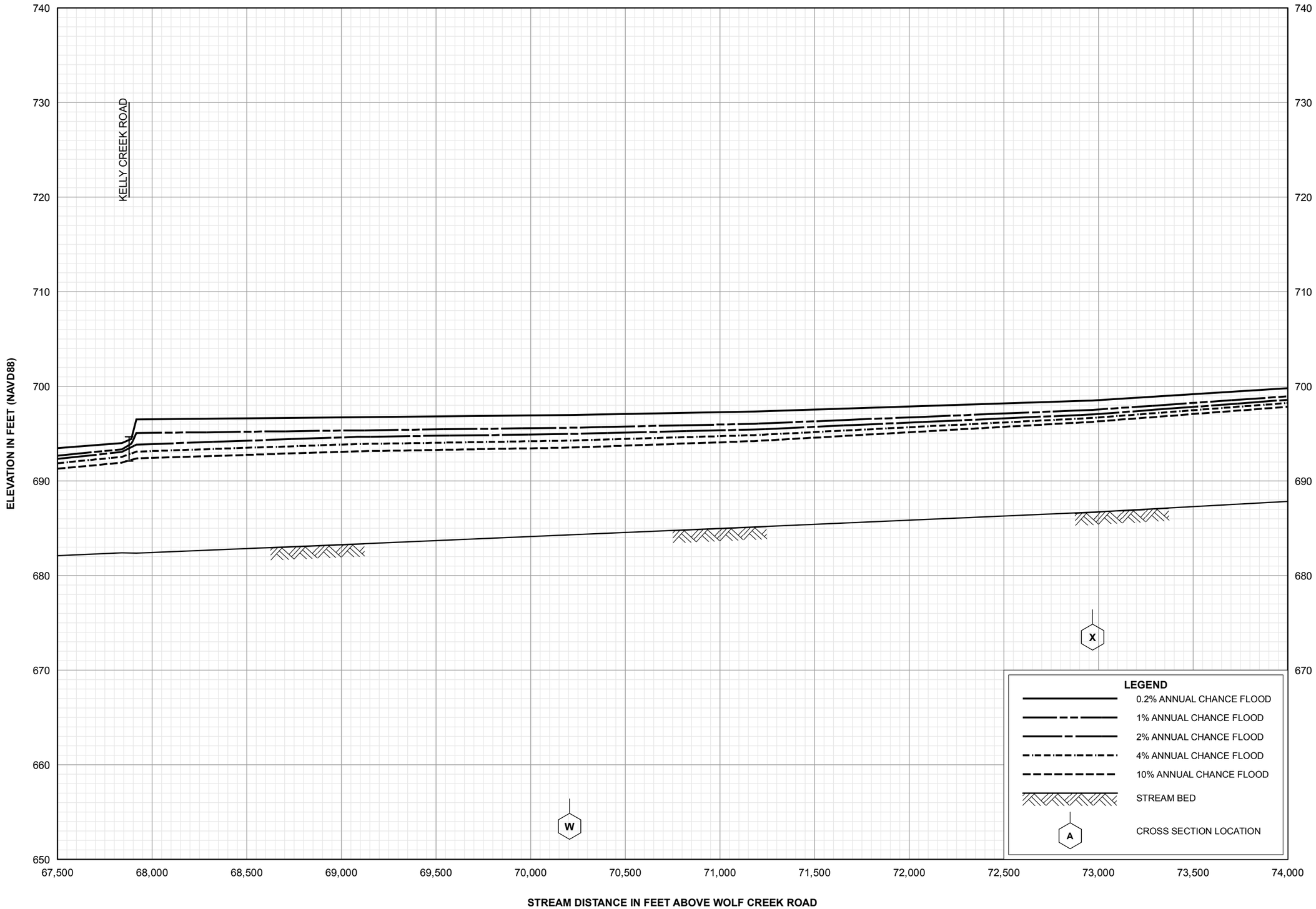

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KELLY CREEK

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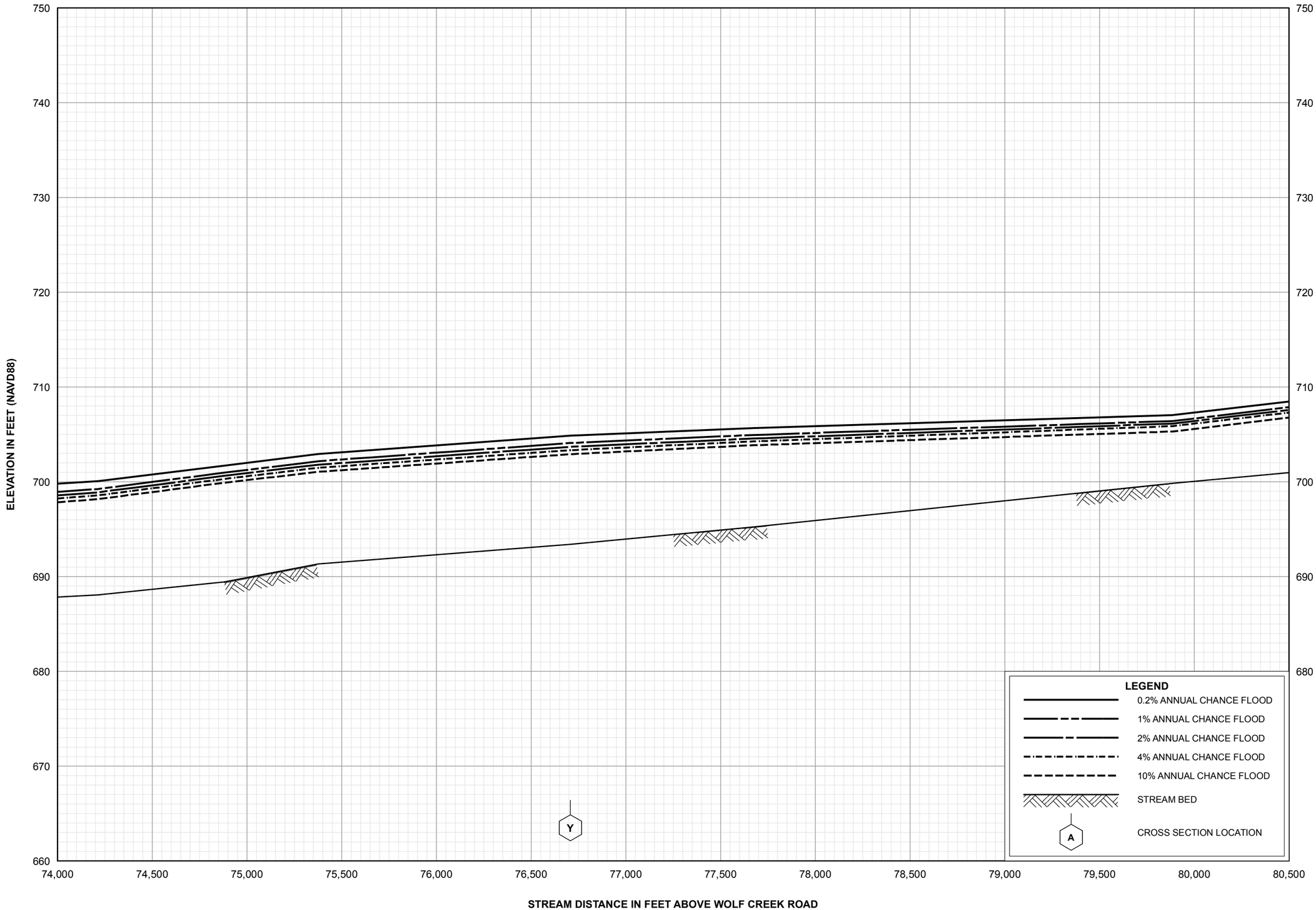

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KELLY CREEK

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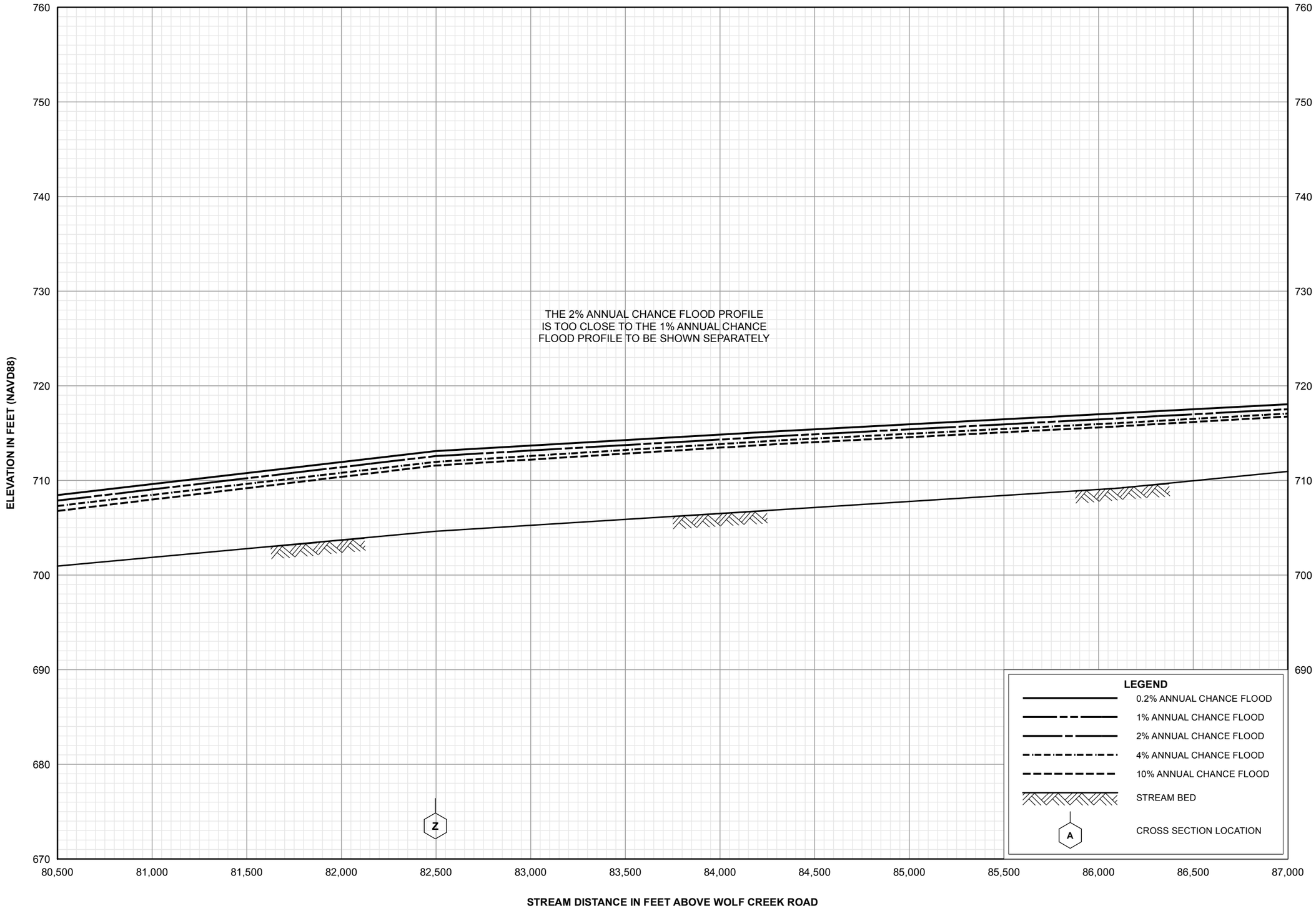

FLOOD PROFILES

KELLY CREEK

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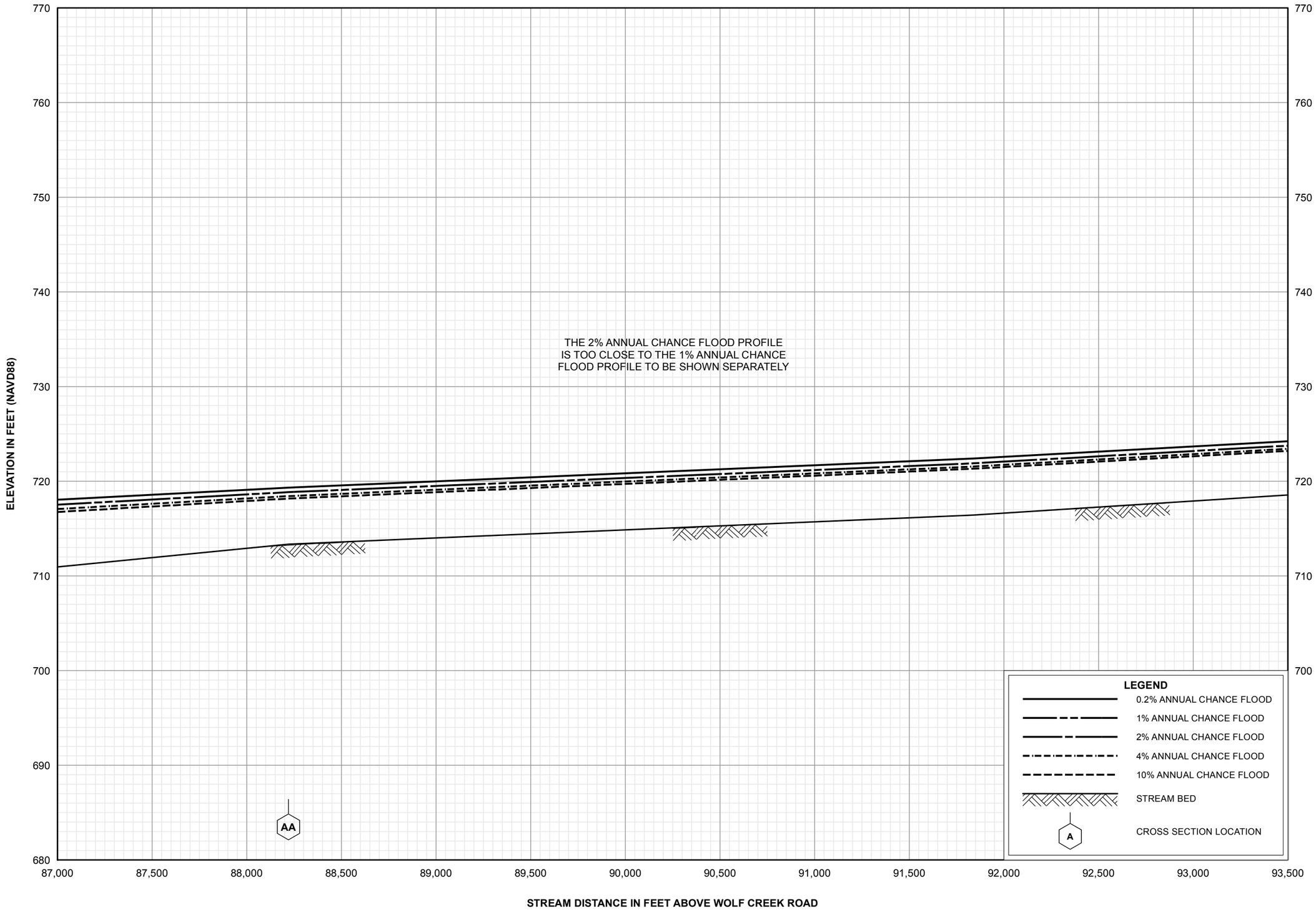

FLOOD PROFILES

KELLY CREEK

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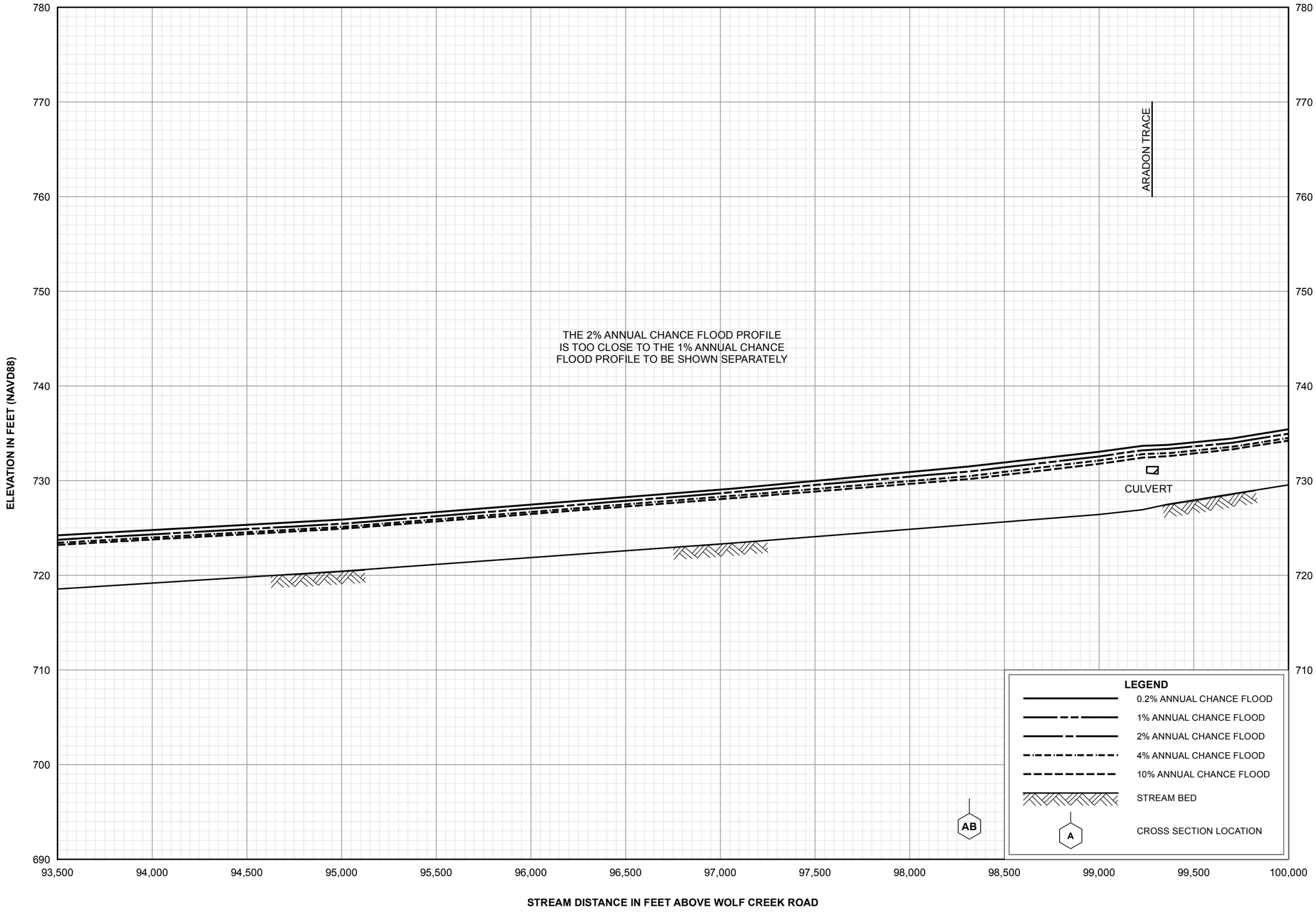

FLOOD PROFILES

KELLY CREEK

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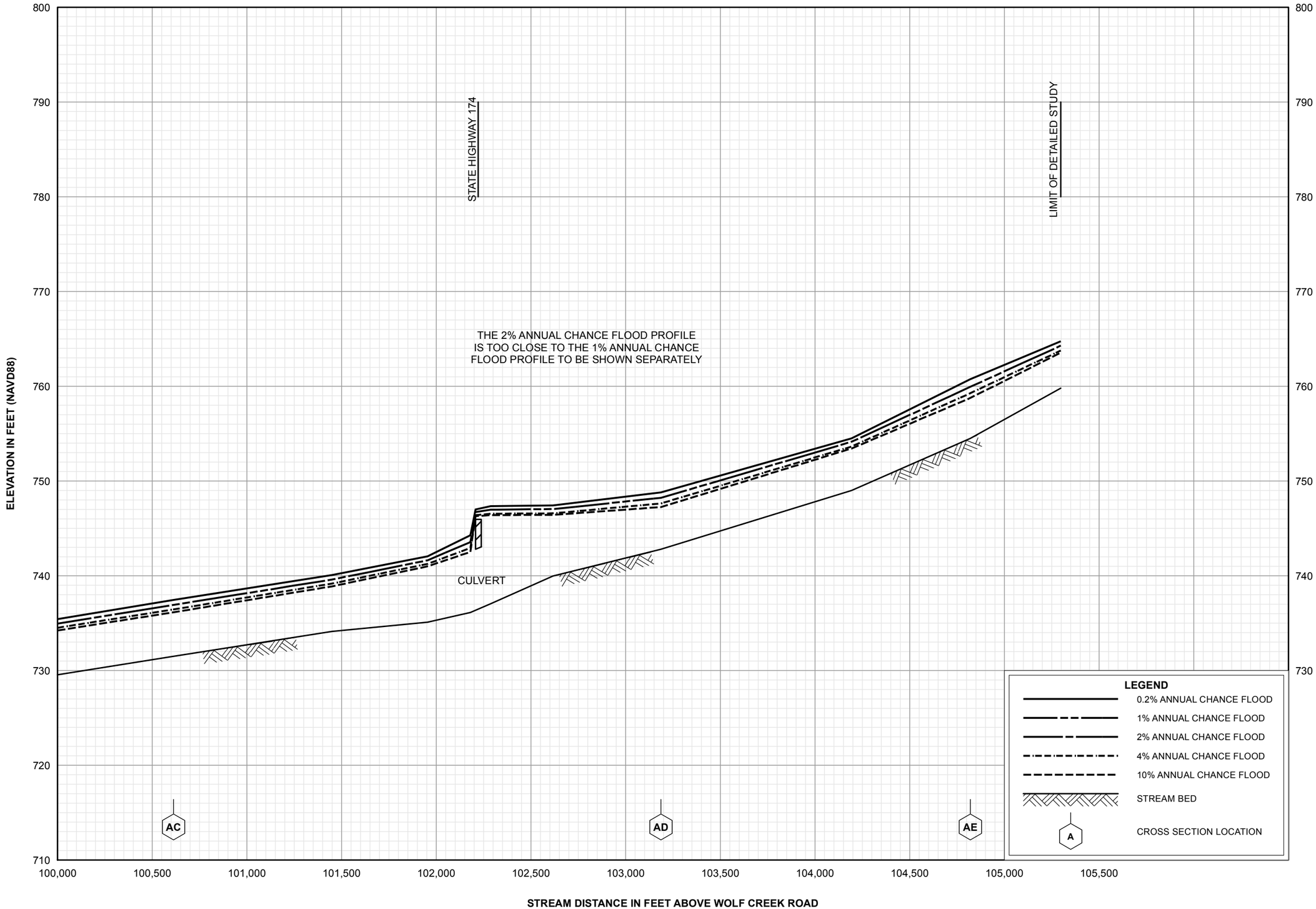

FLOOD PROFILES

KELLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

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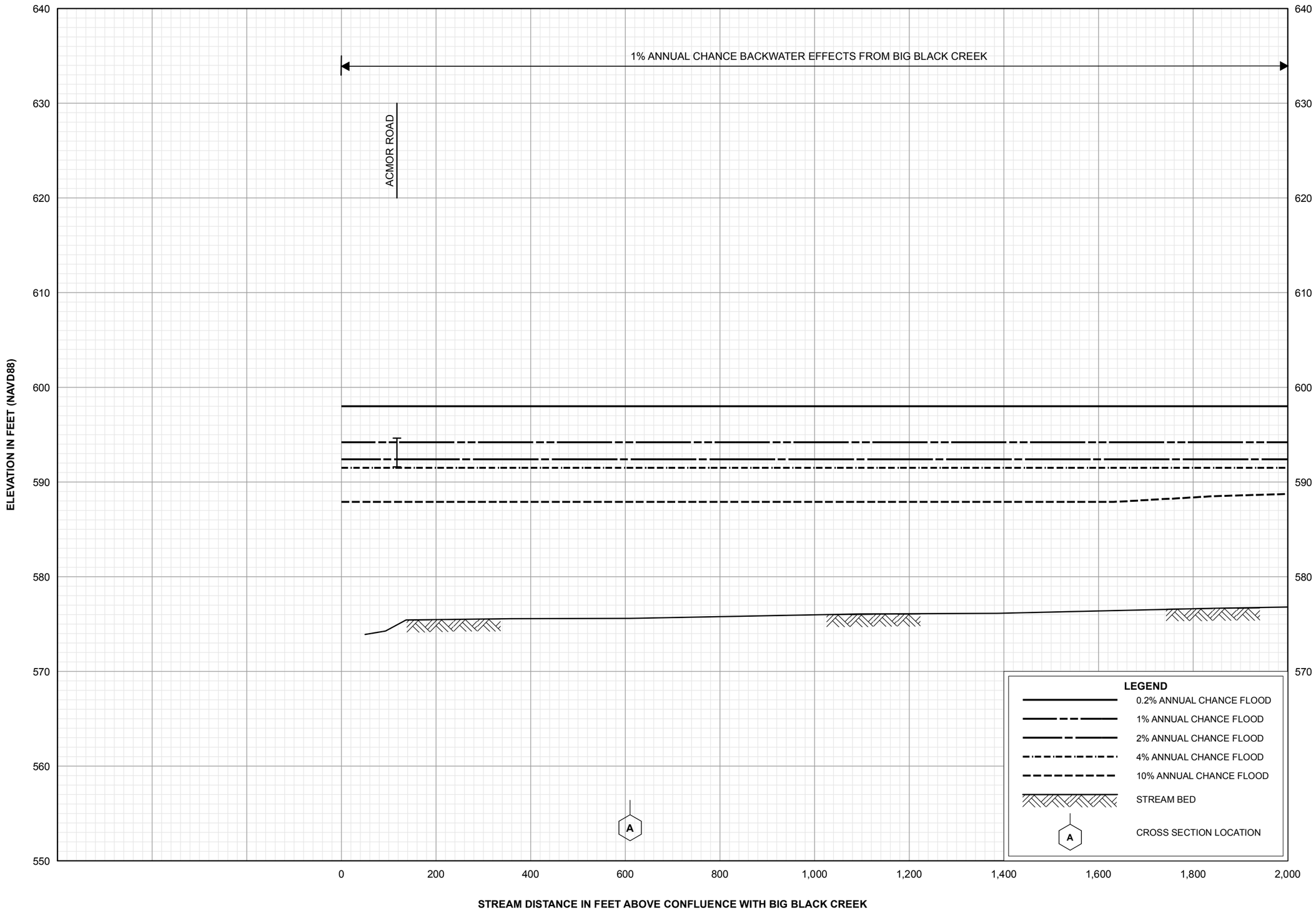
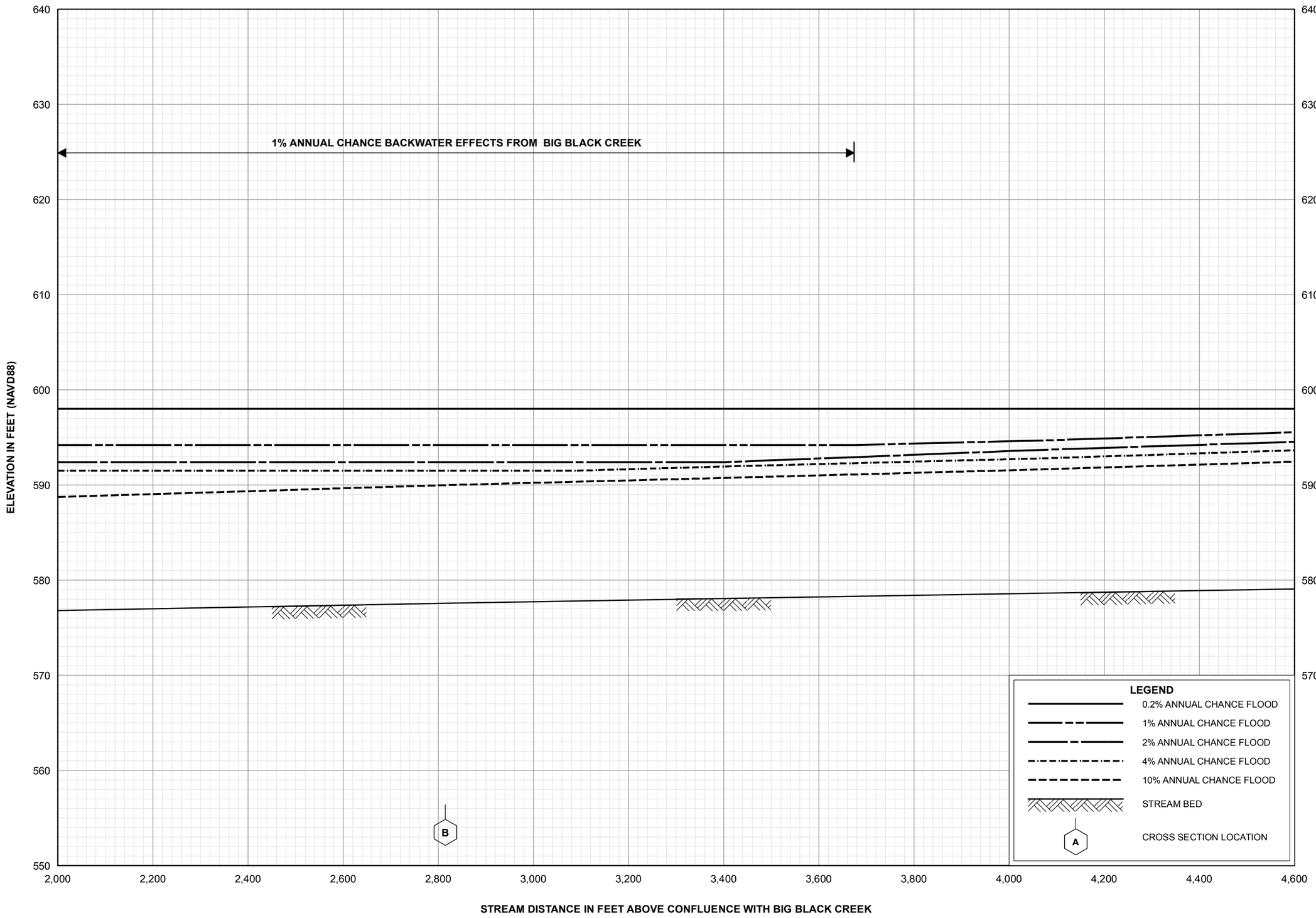


FLOOD PROFILES

LITTLE BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

LITTLE BLACK CREEK

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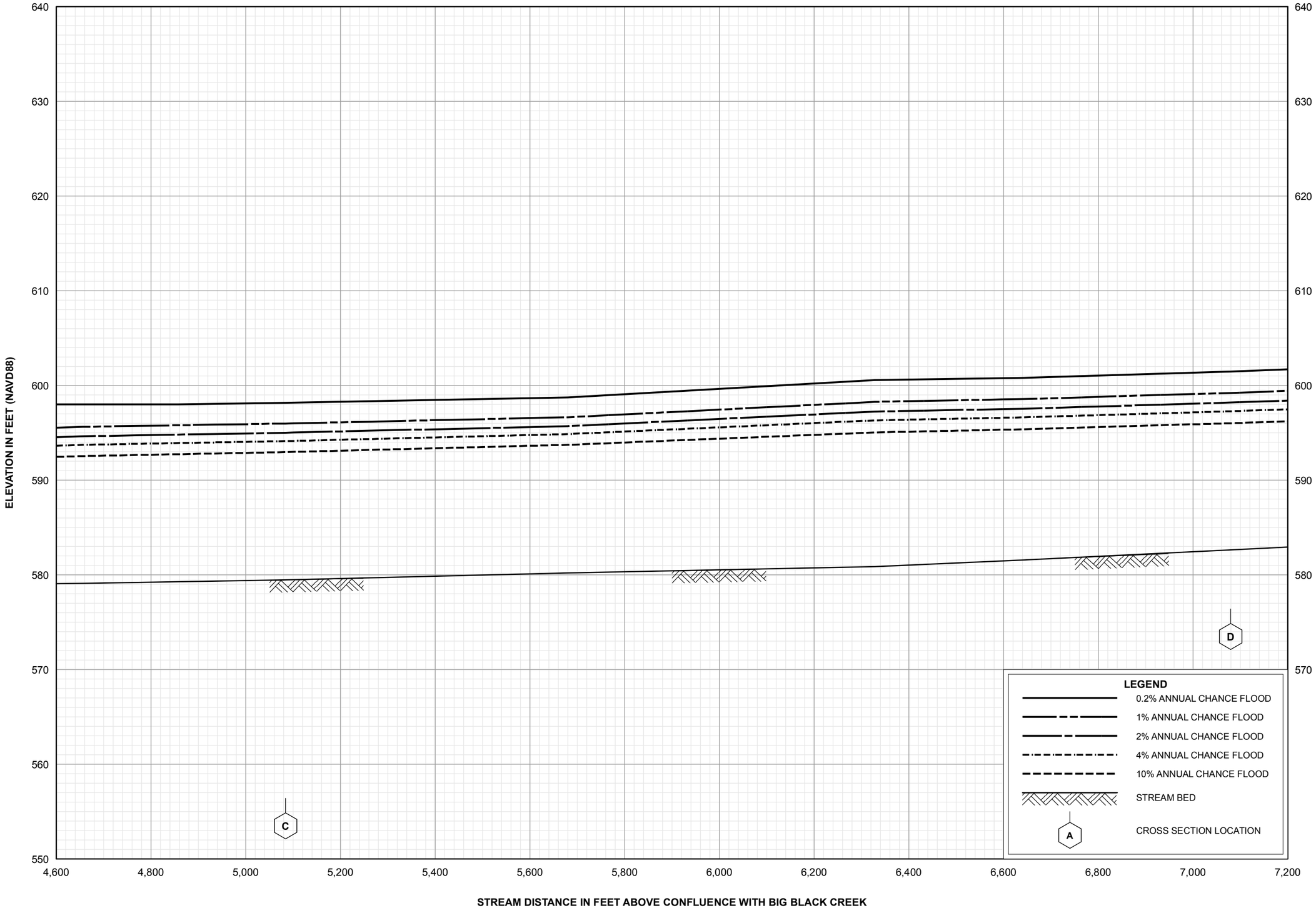

FLOOD PROFILES

LITTLE BLACK CREEK

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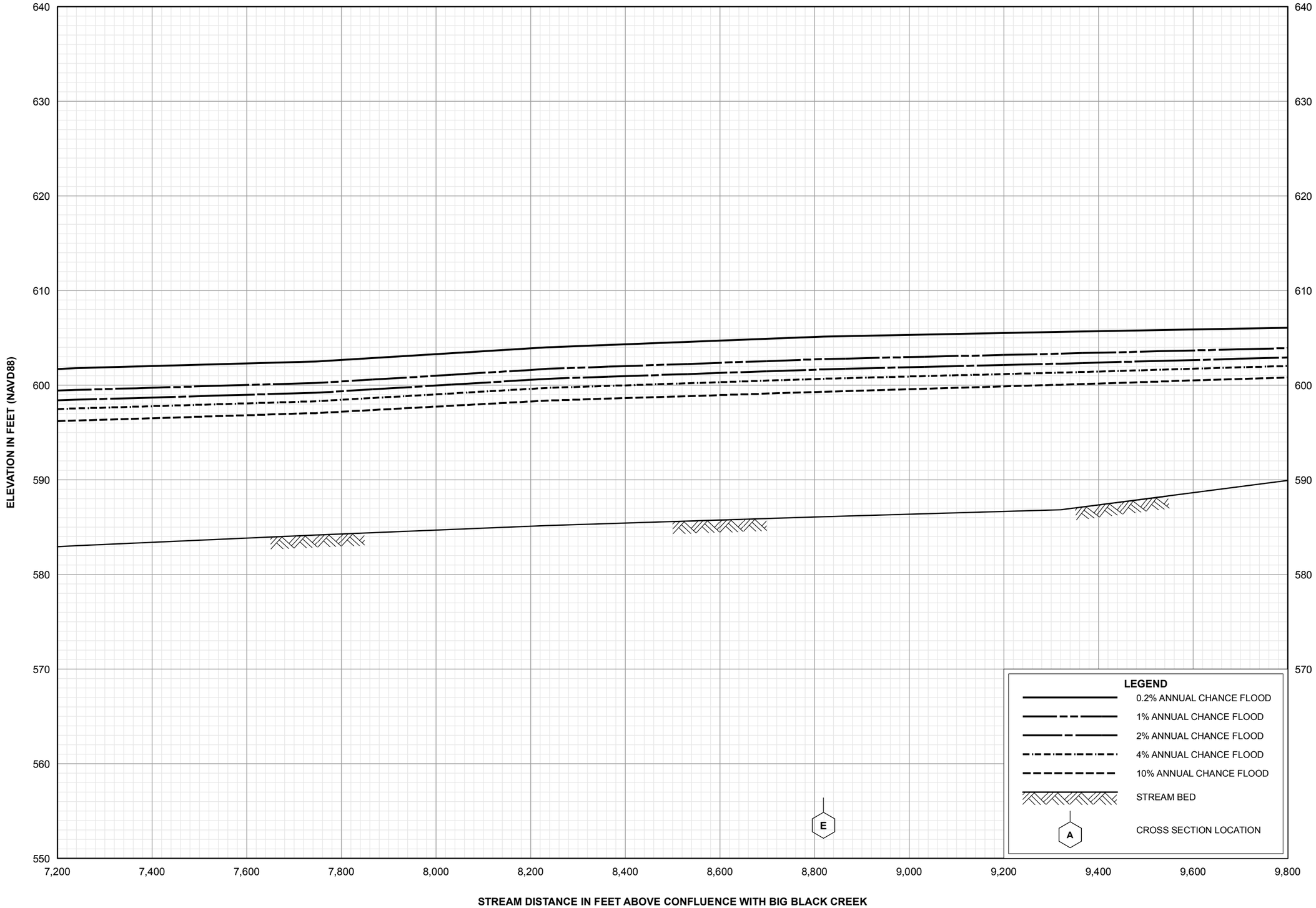

FLOOD PROFILES

LITTLE BLACK CREEK

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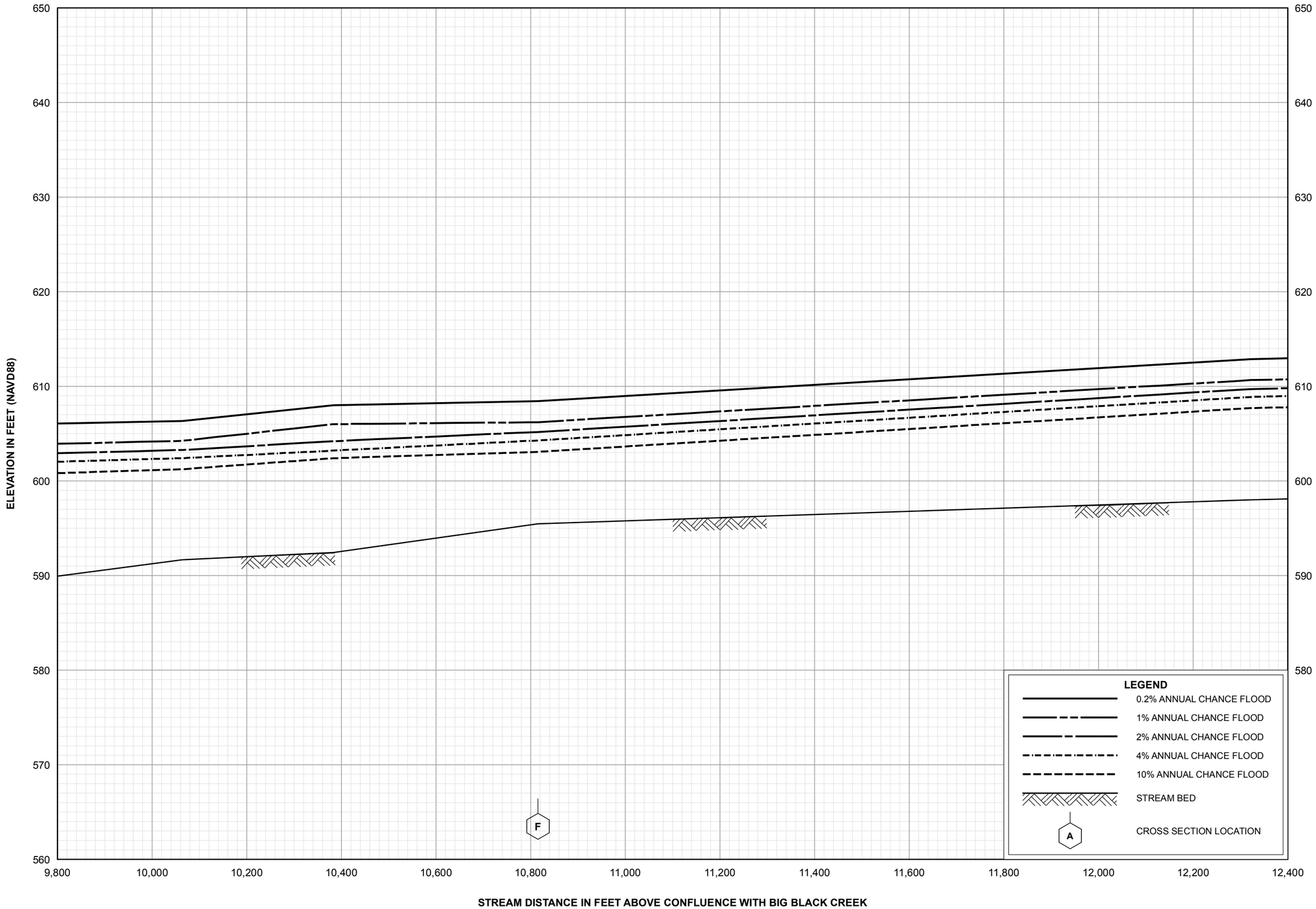

FLOOD PROFILES

LITTLE BLACK CREEK

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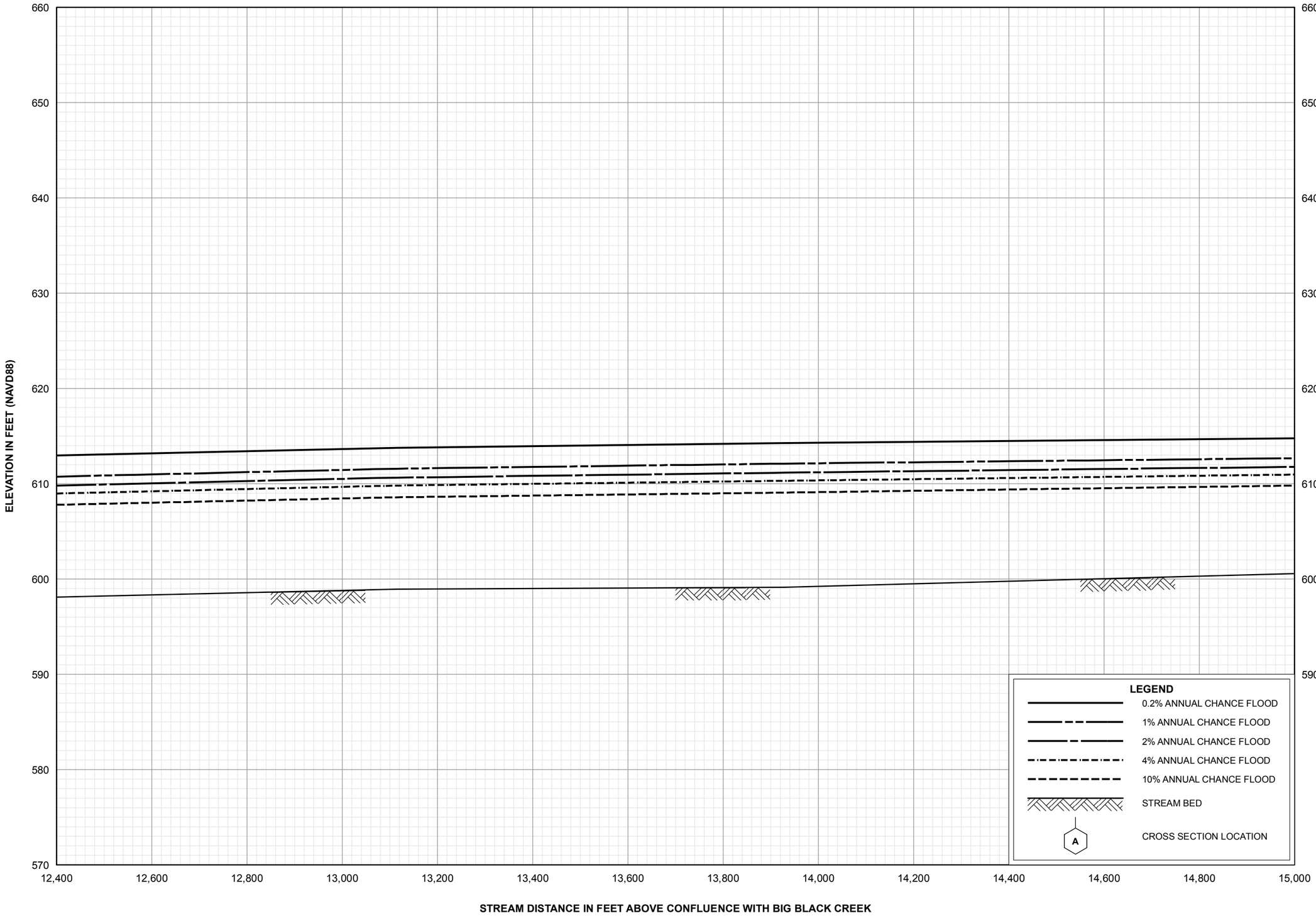

FLOOD PROFILES

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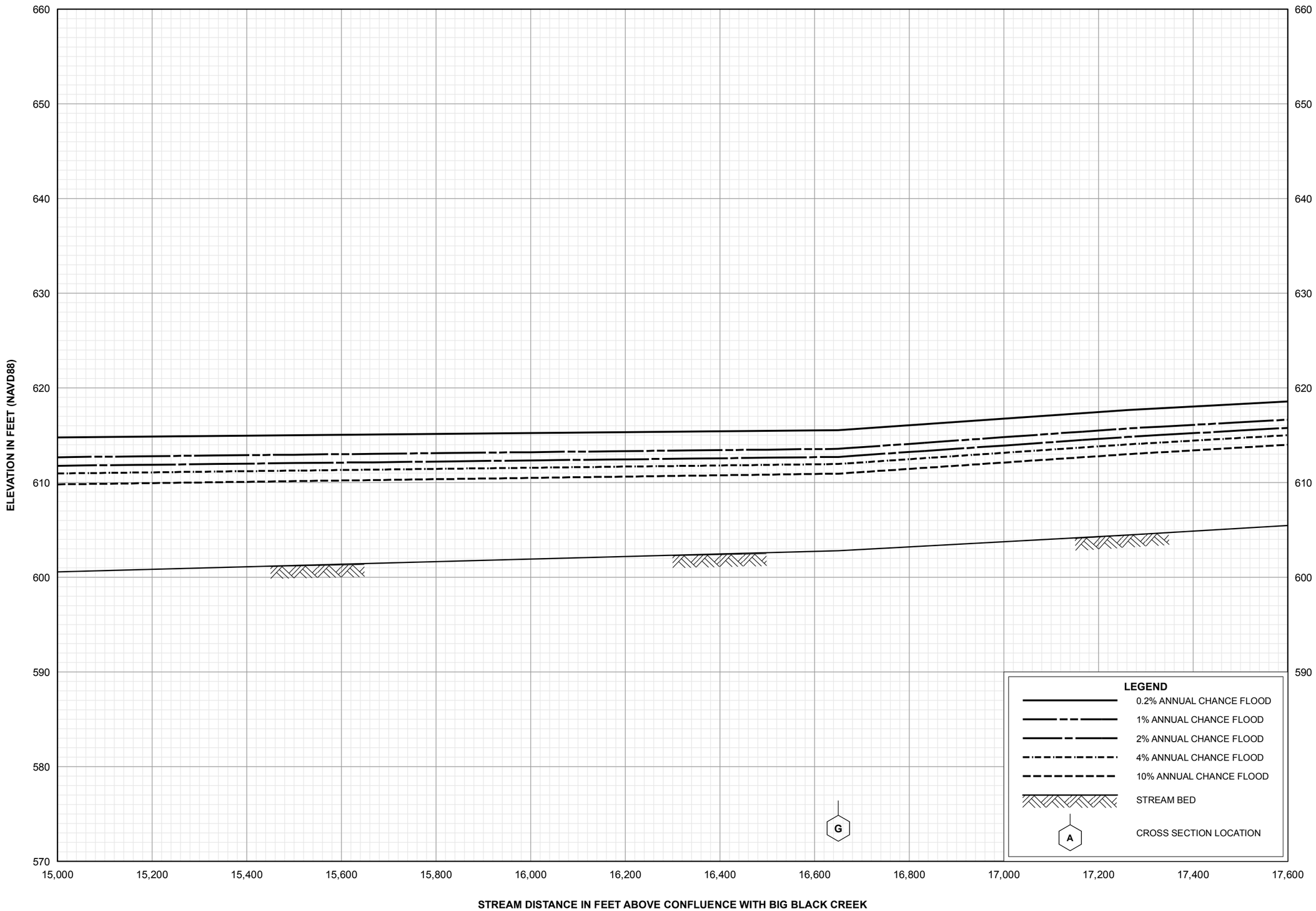

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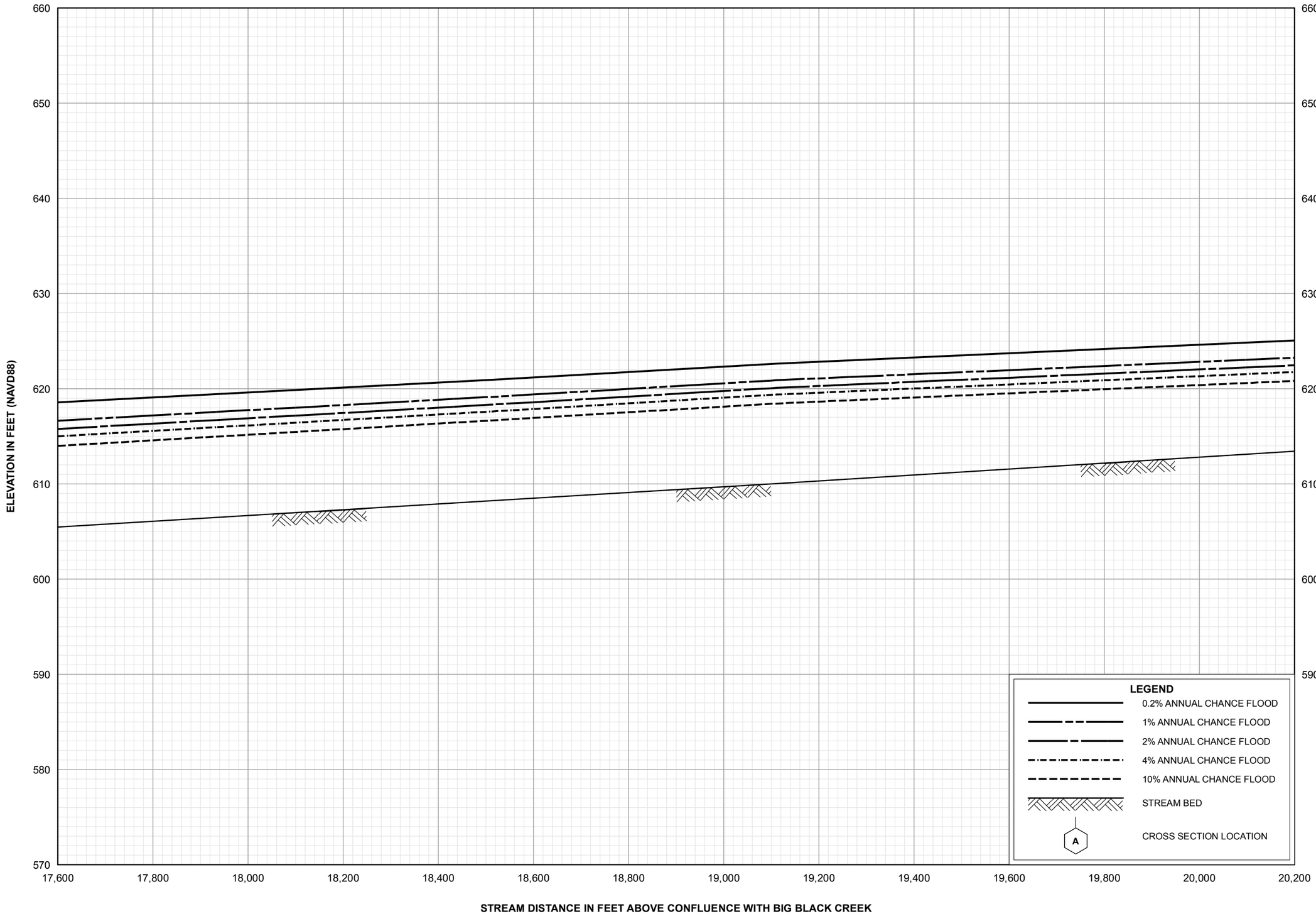
ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS

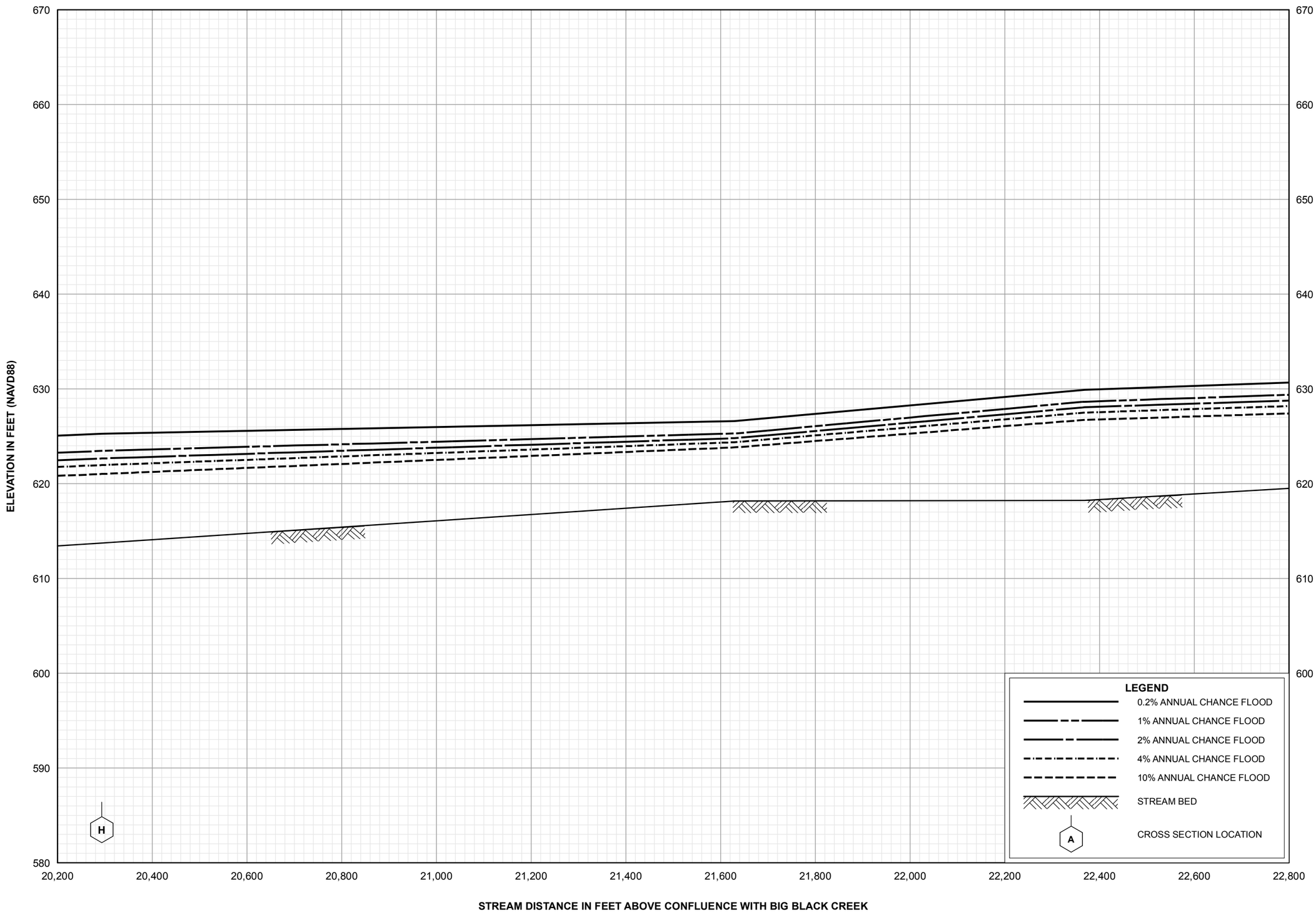


FLOOD PROFILES

LITTLE BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

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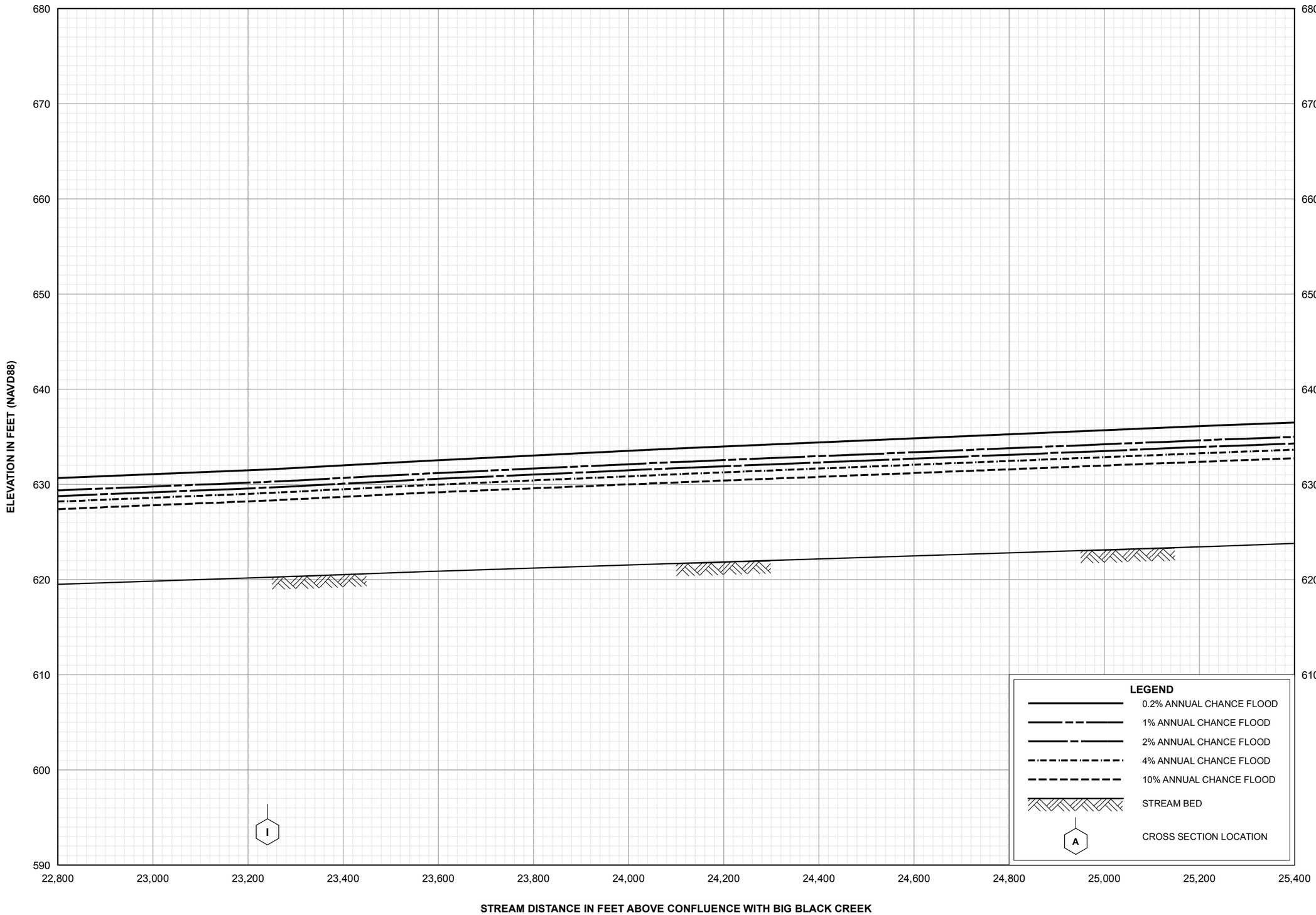

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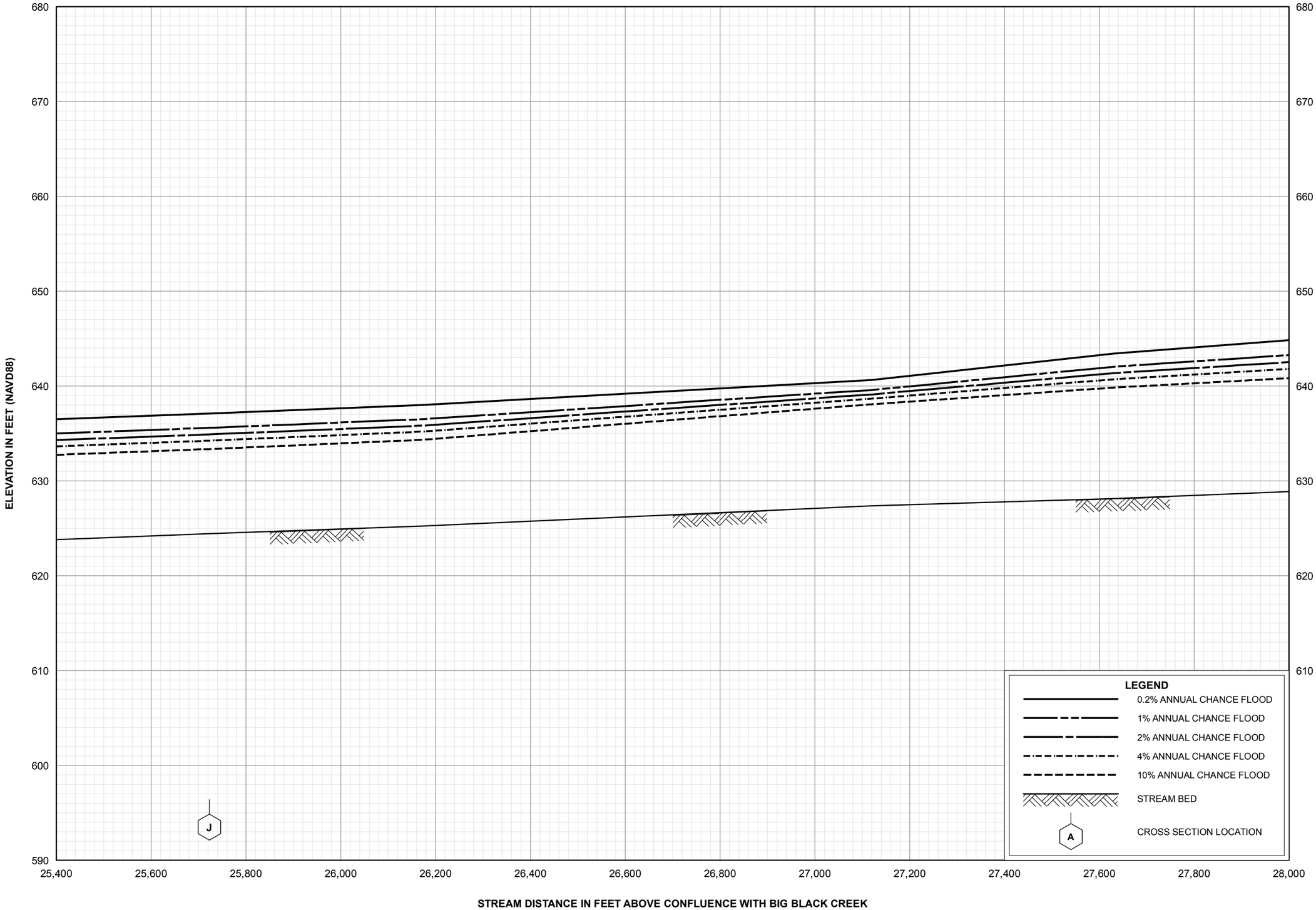

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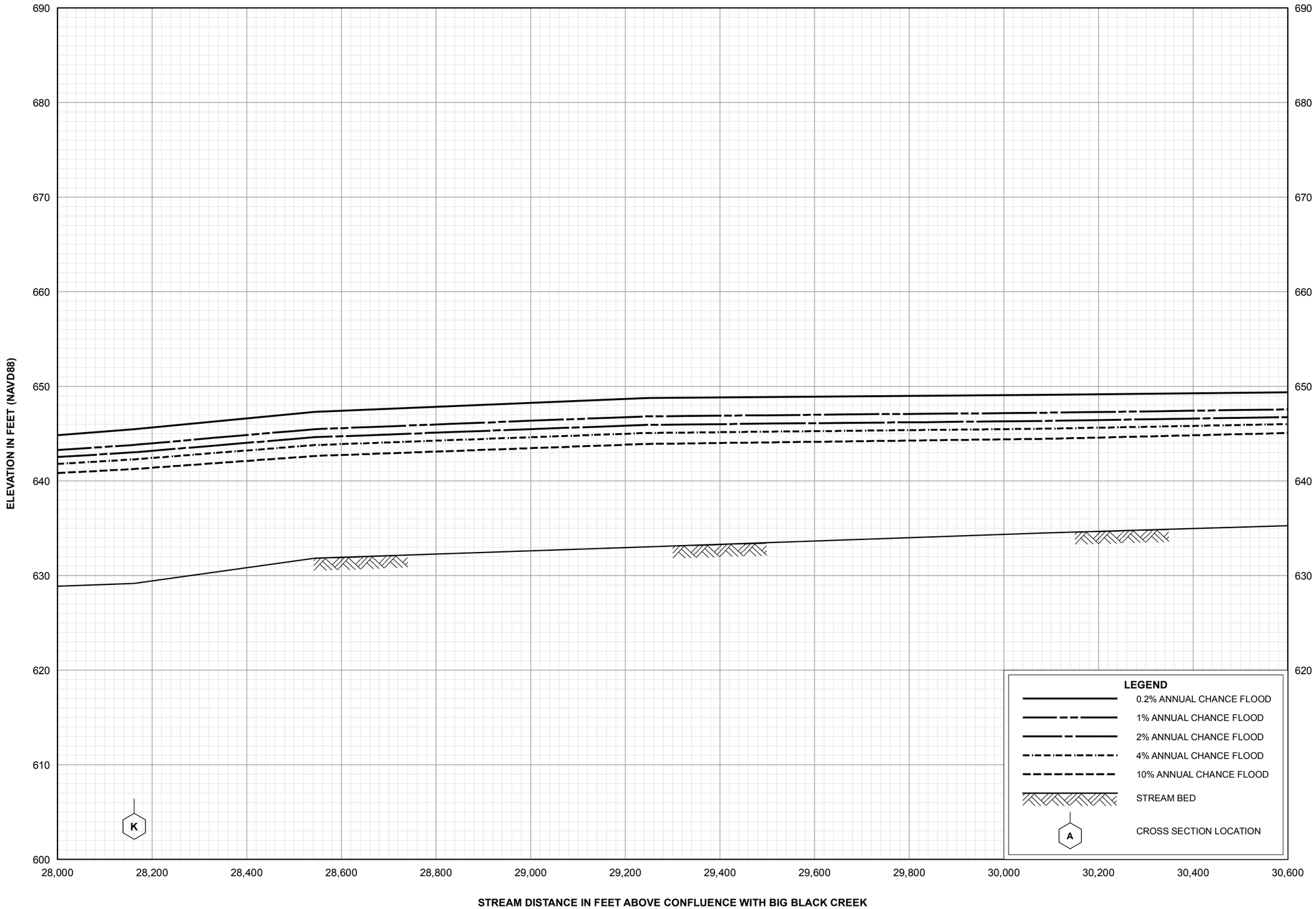

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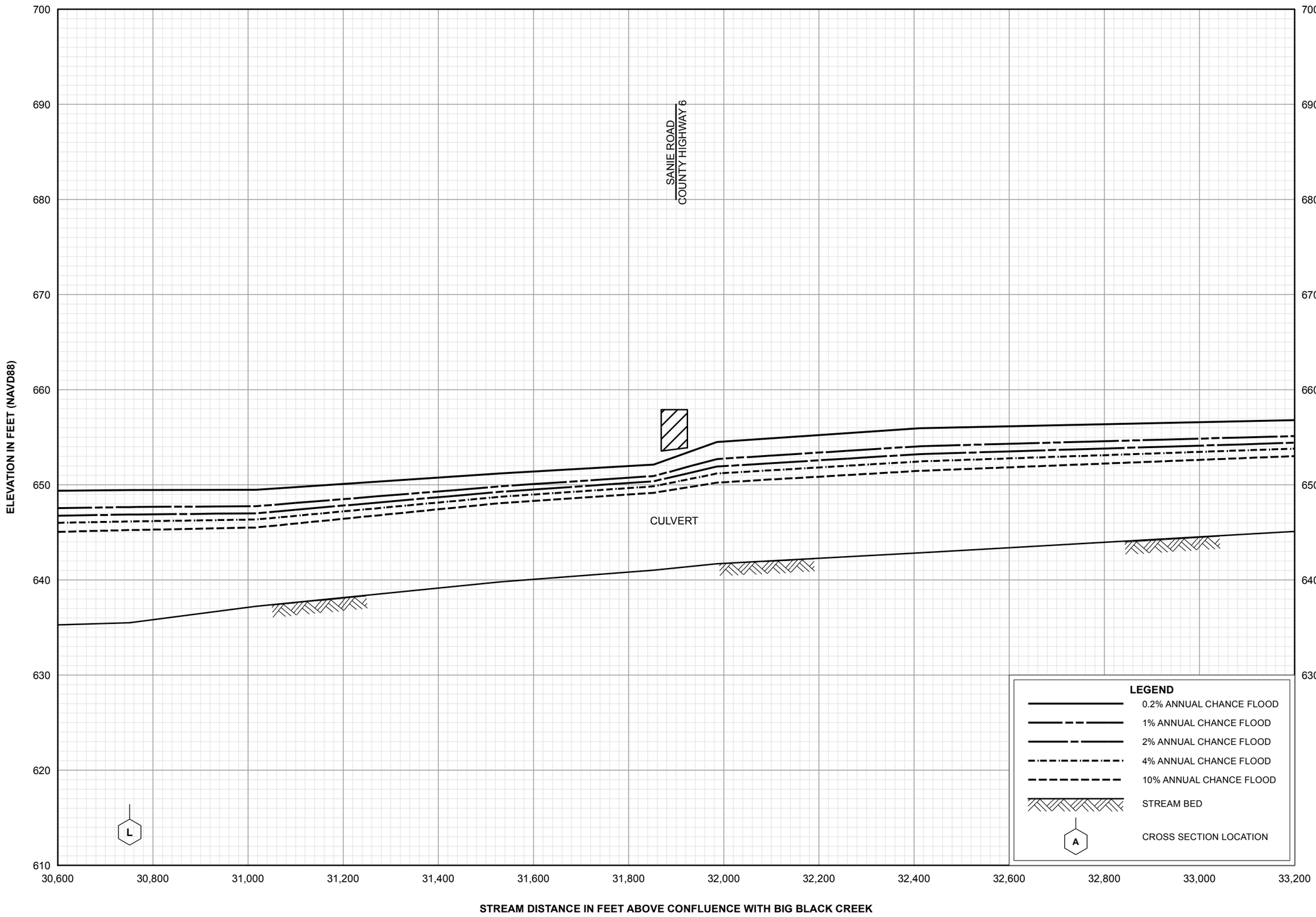

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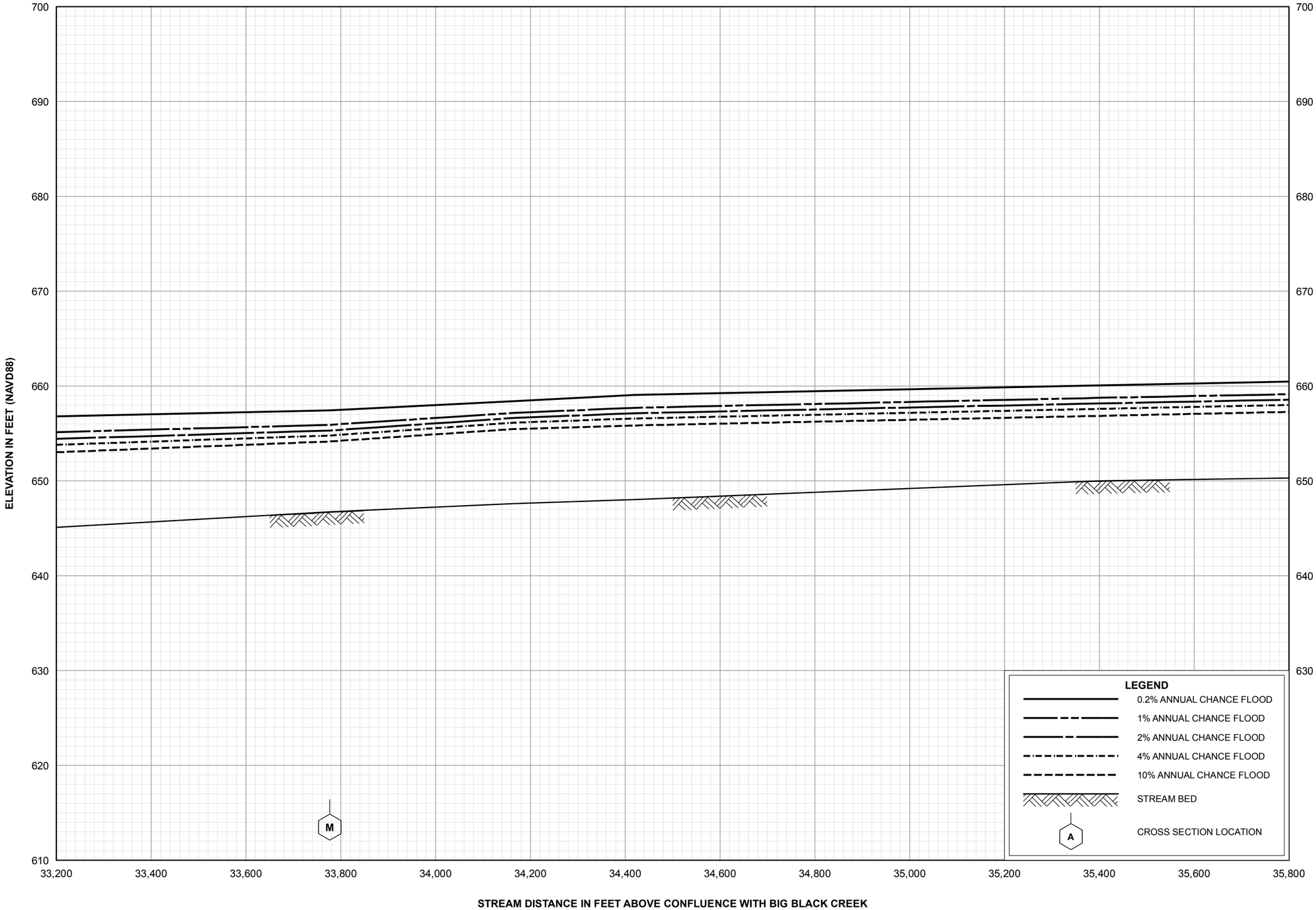

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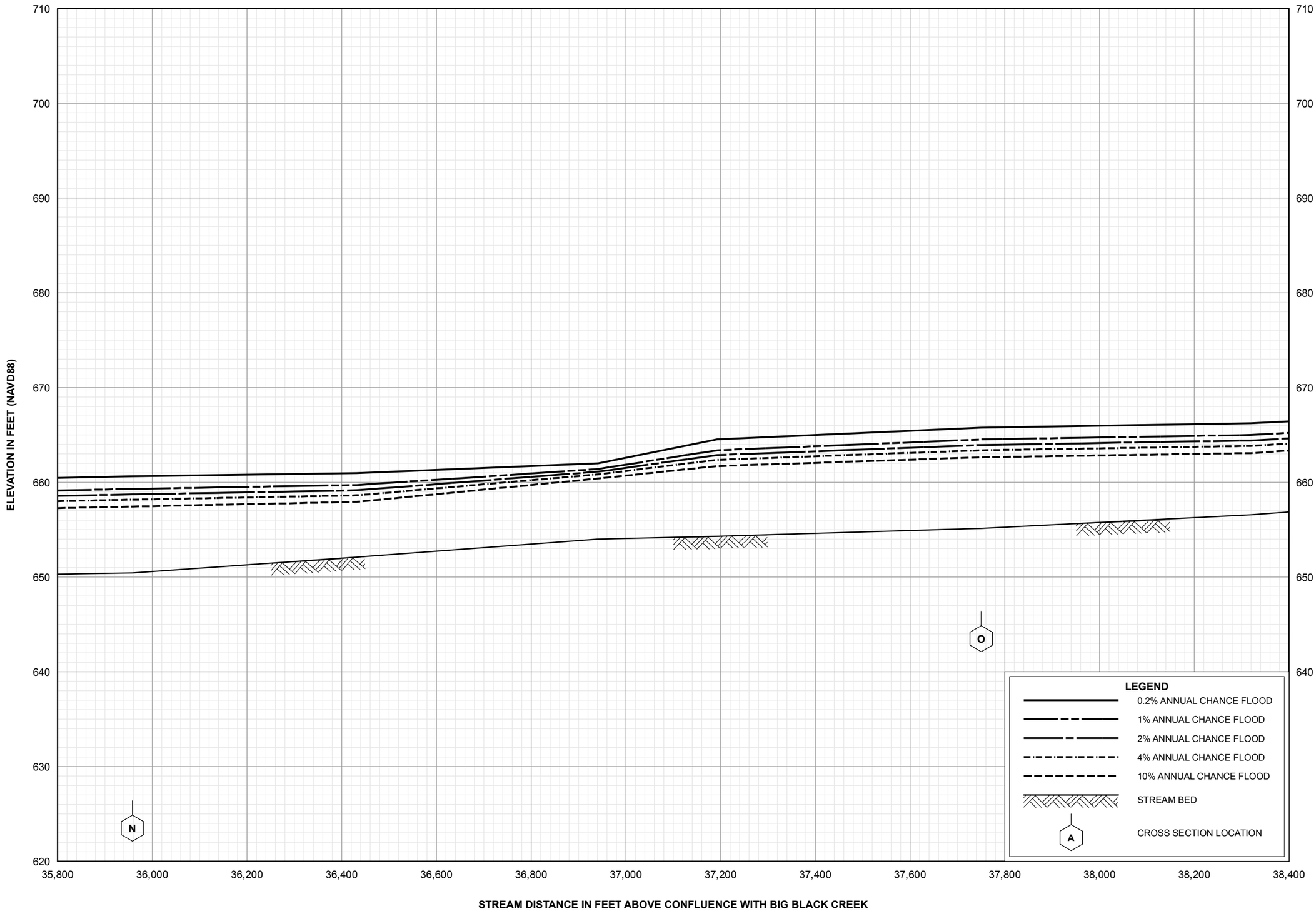

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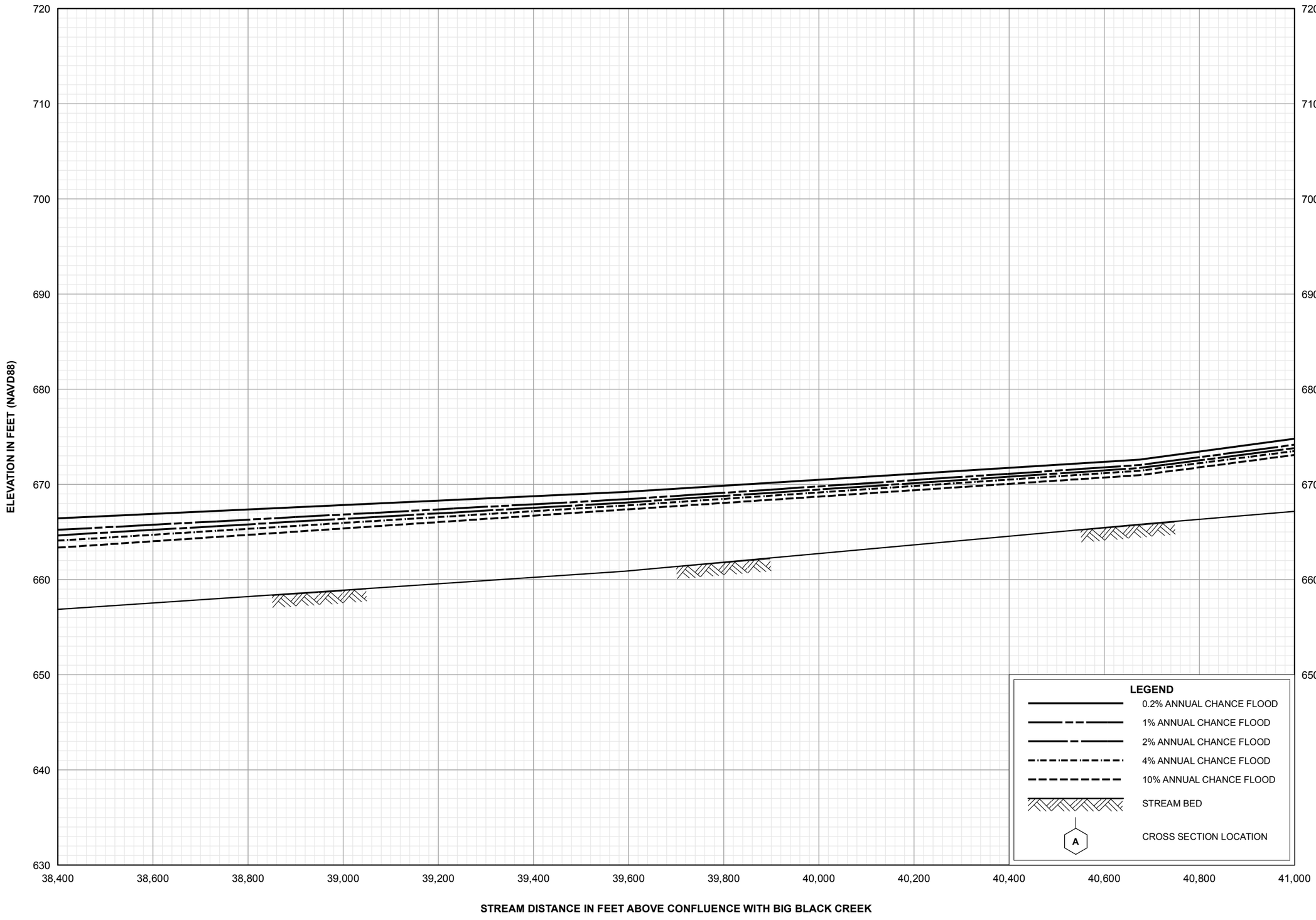

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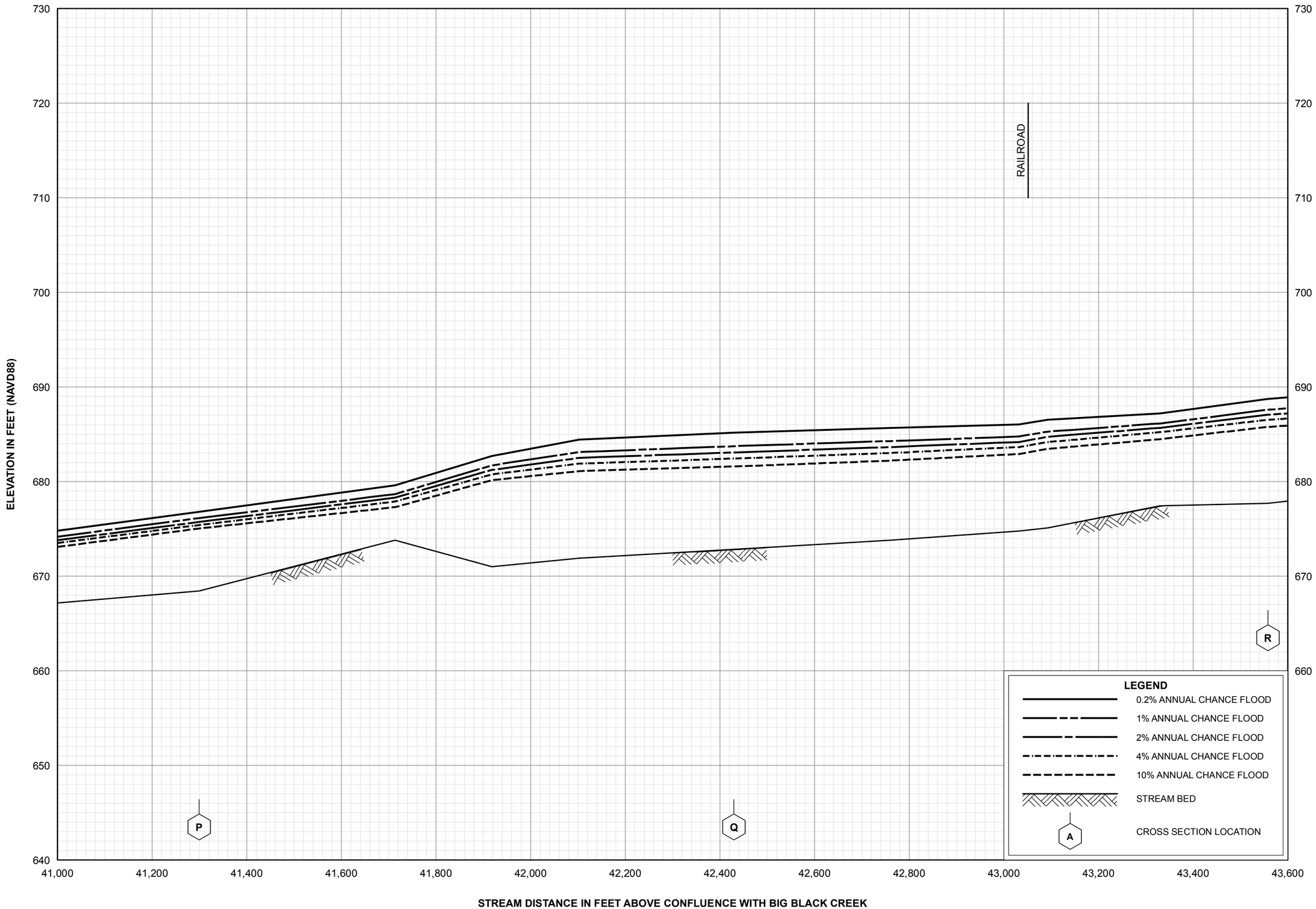

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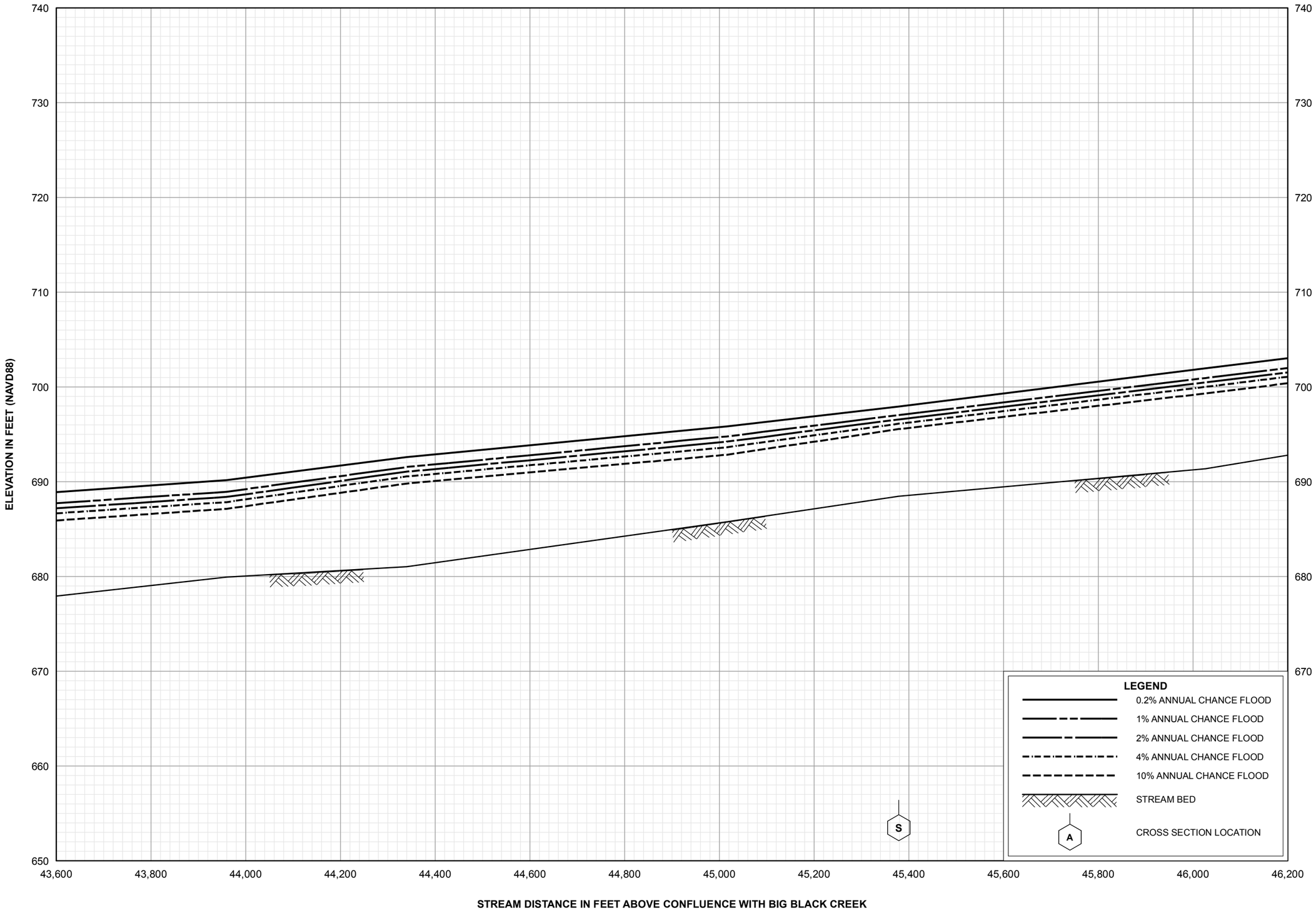

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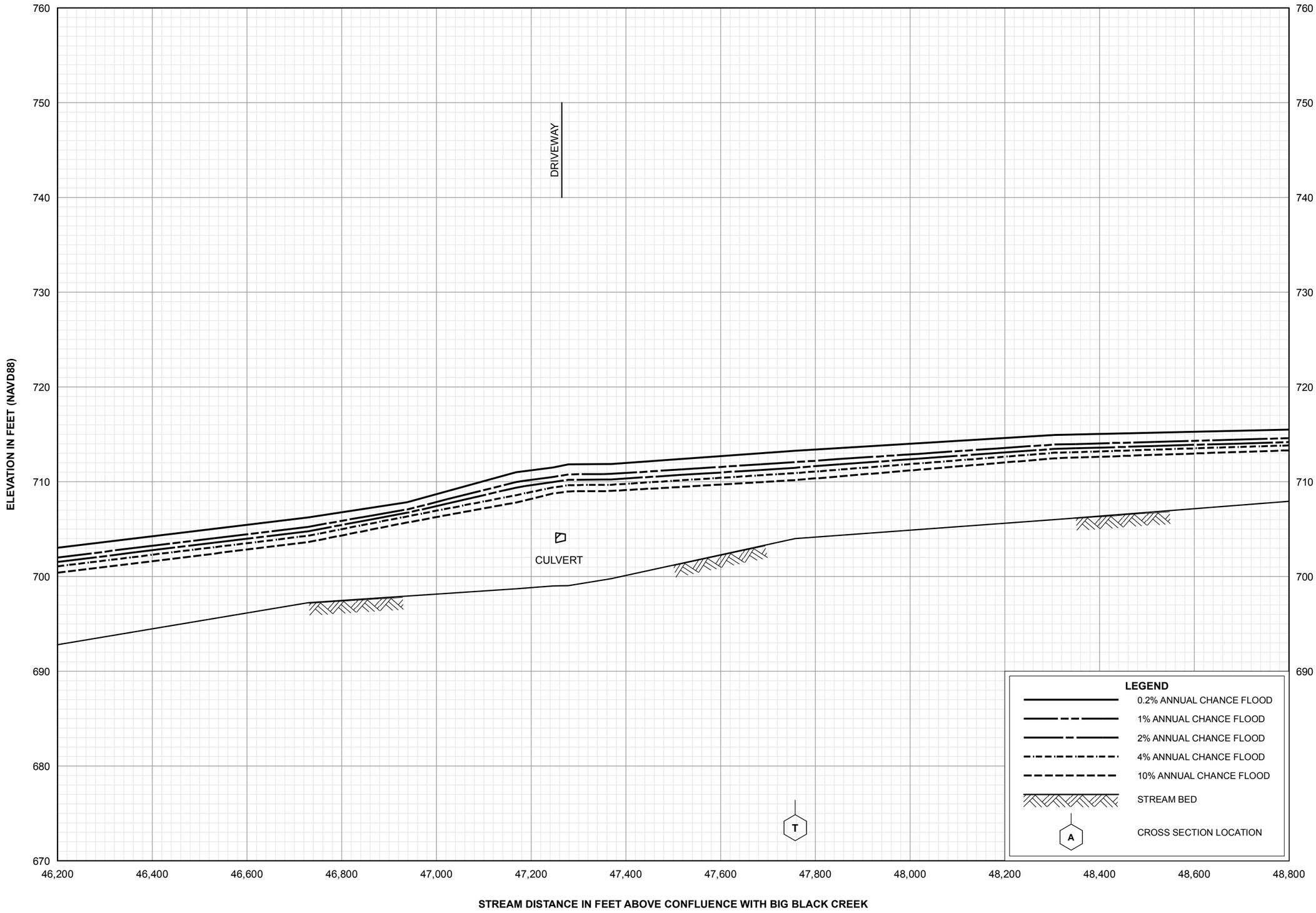

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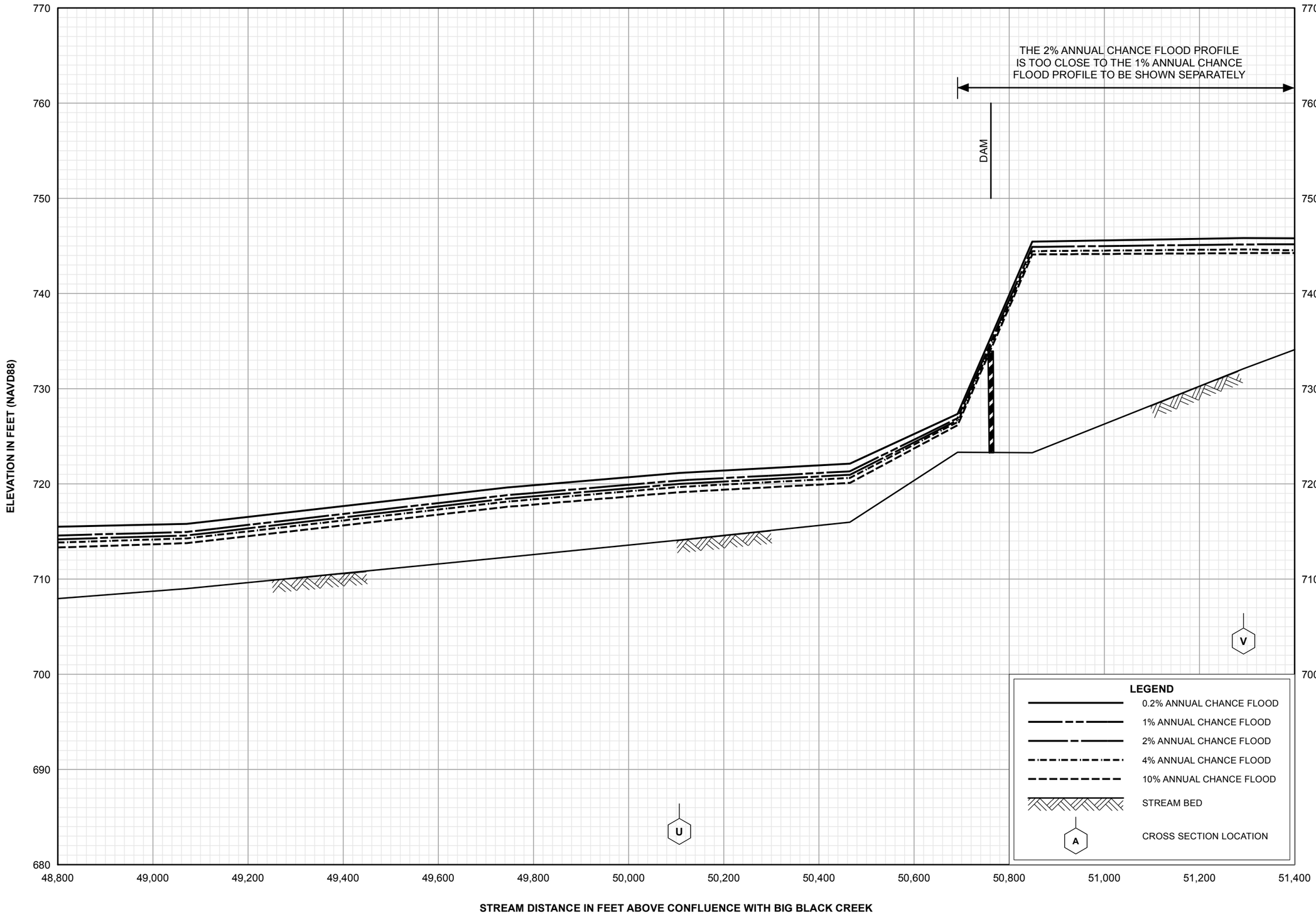

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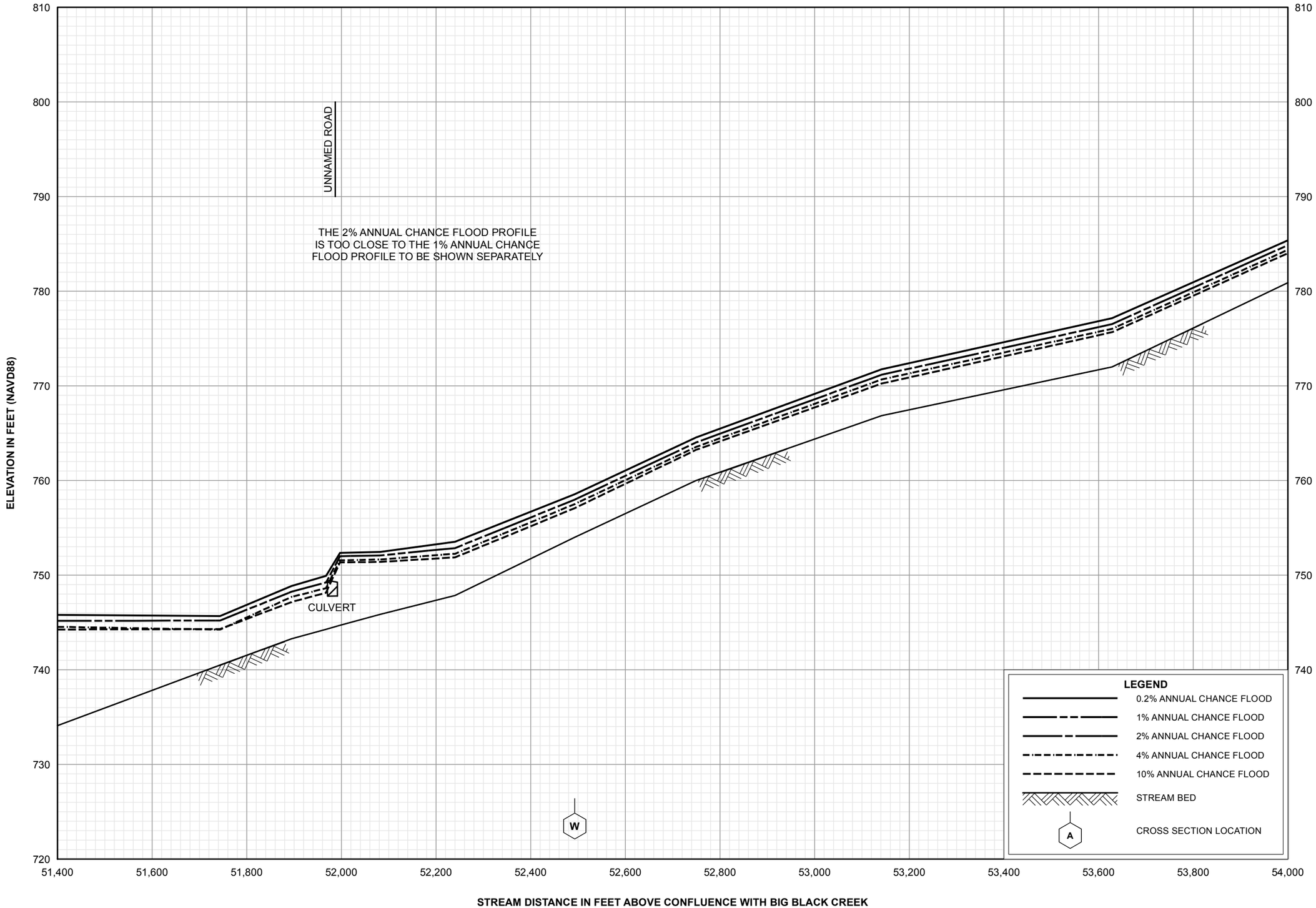

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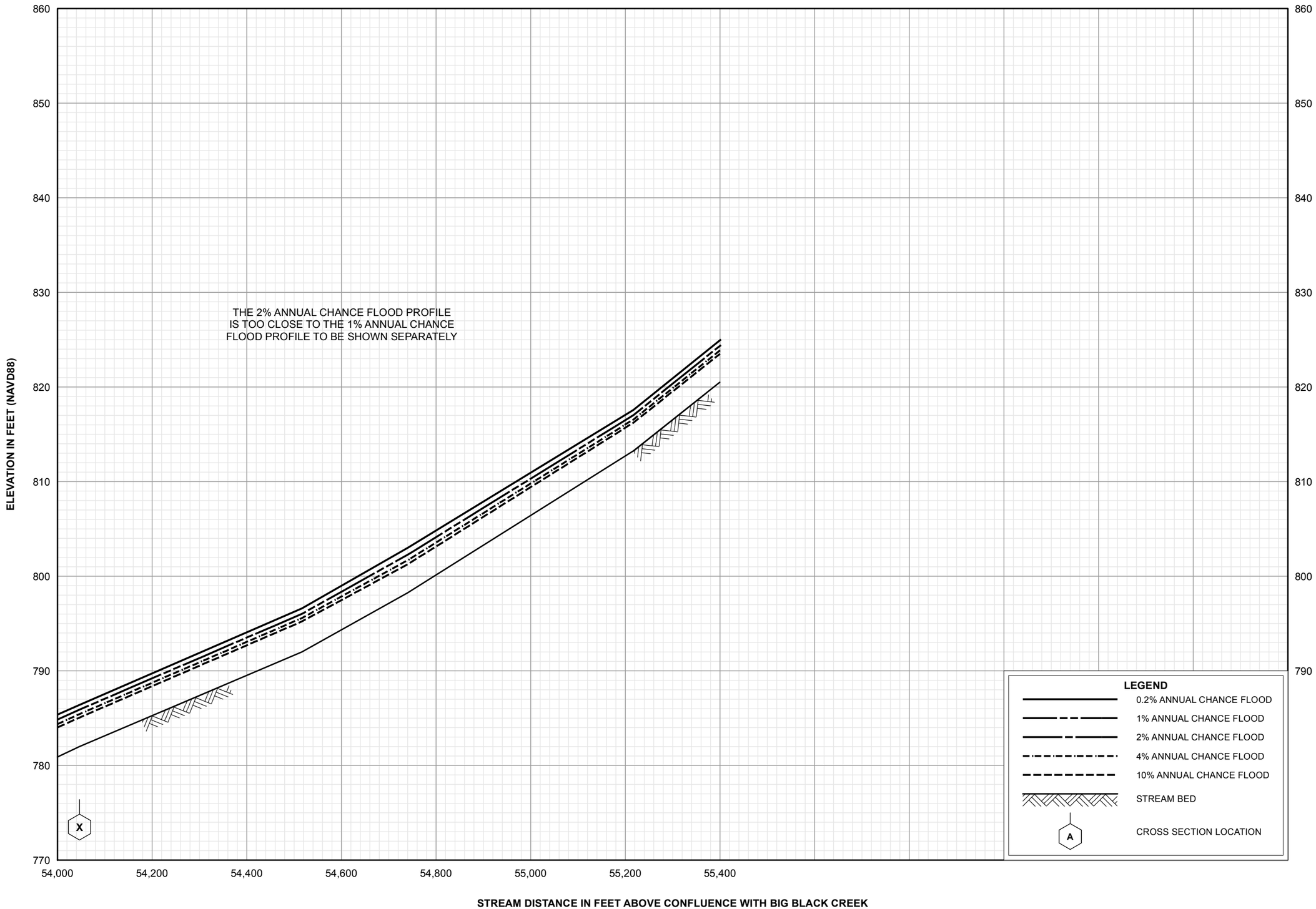

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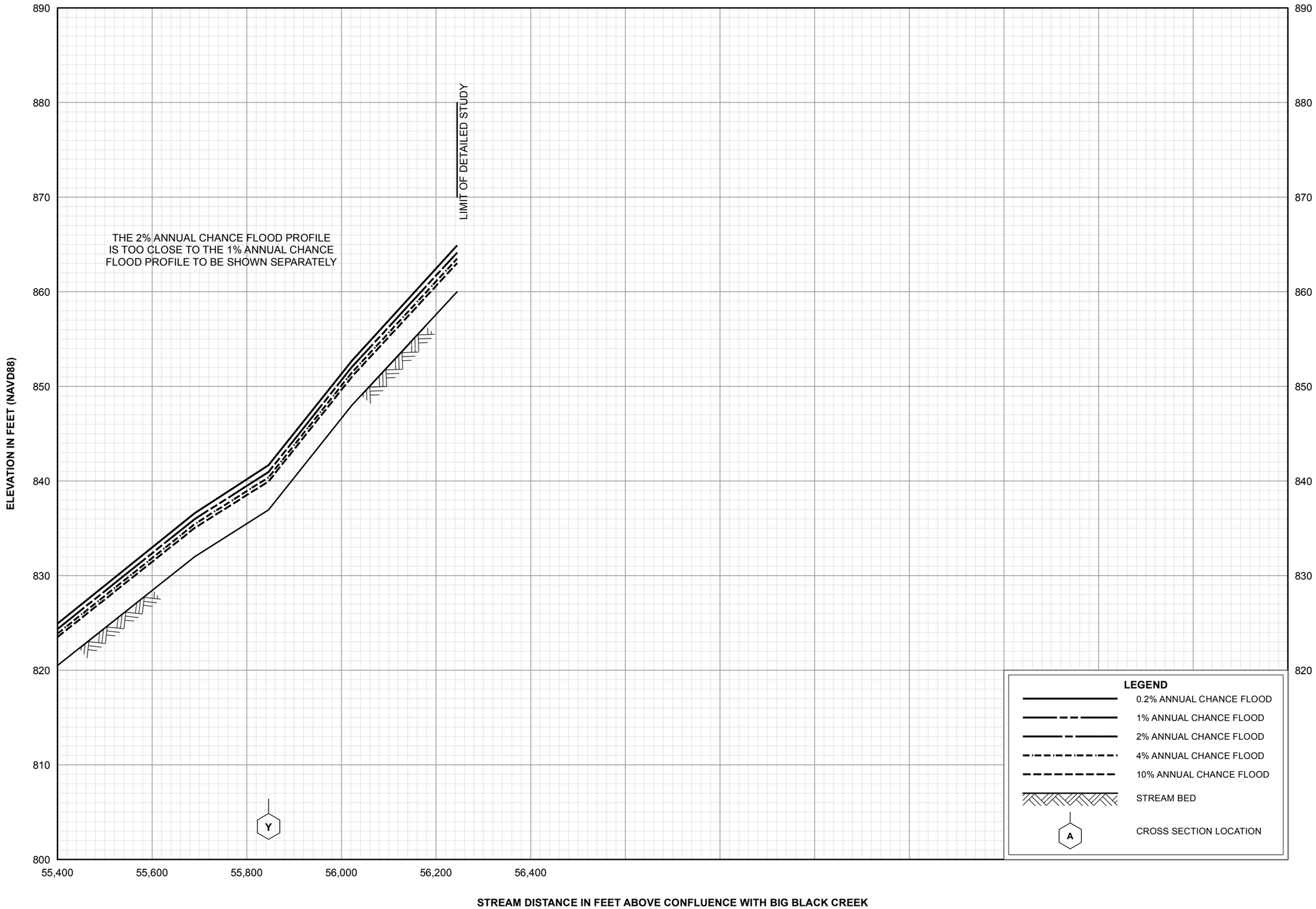

FLOOD PROFILES

LITTLE BLACK CREEK

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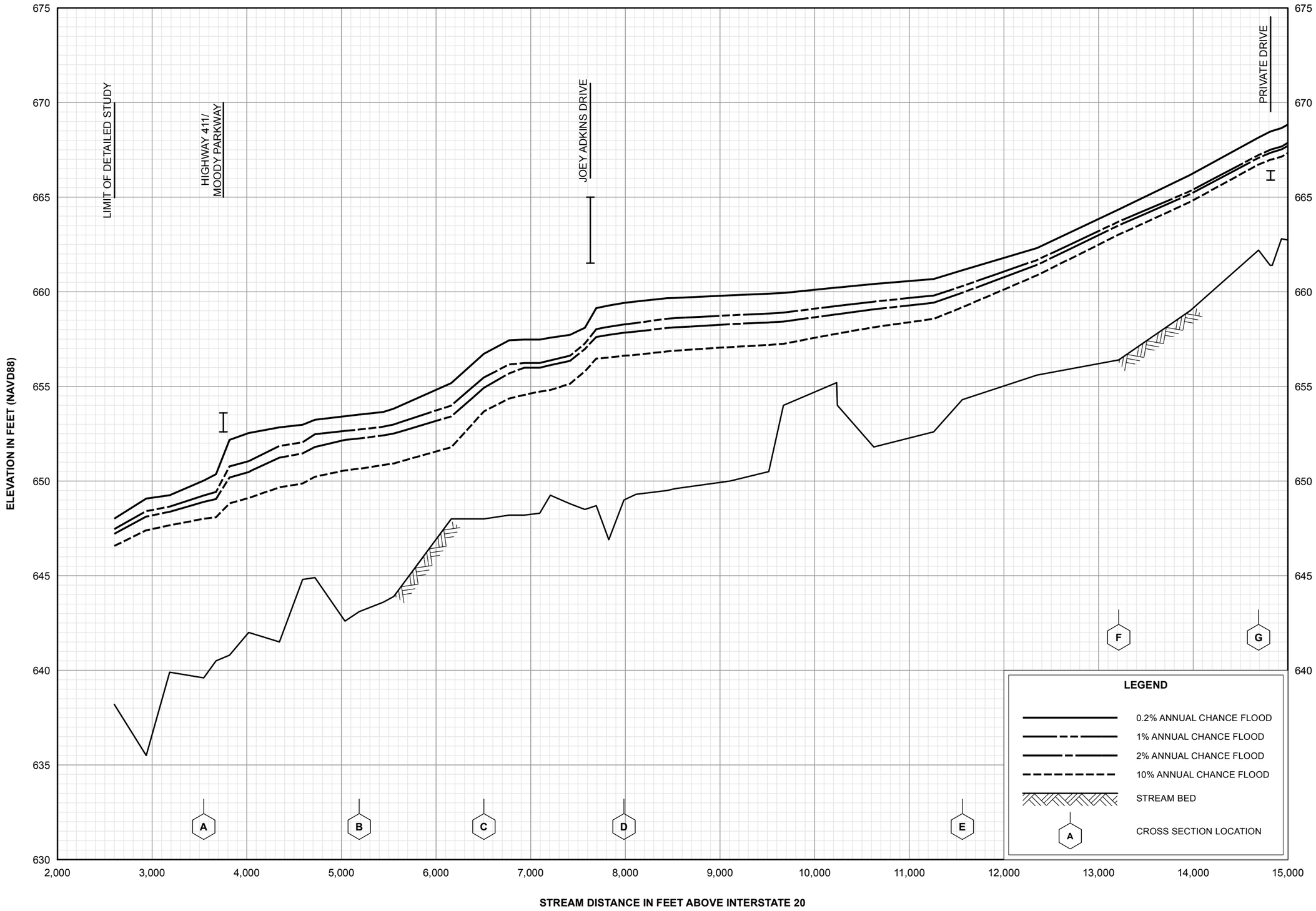
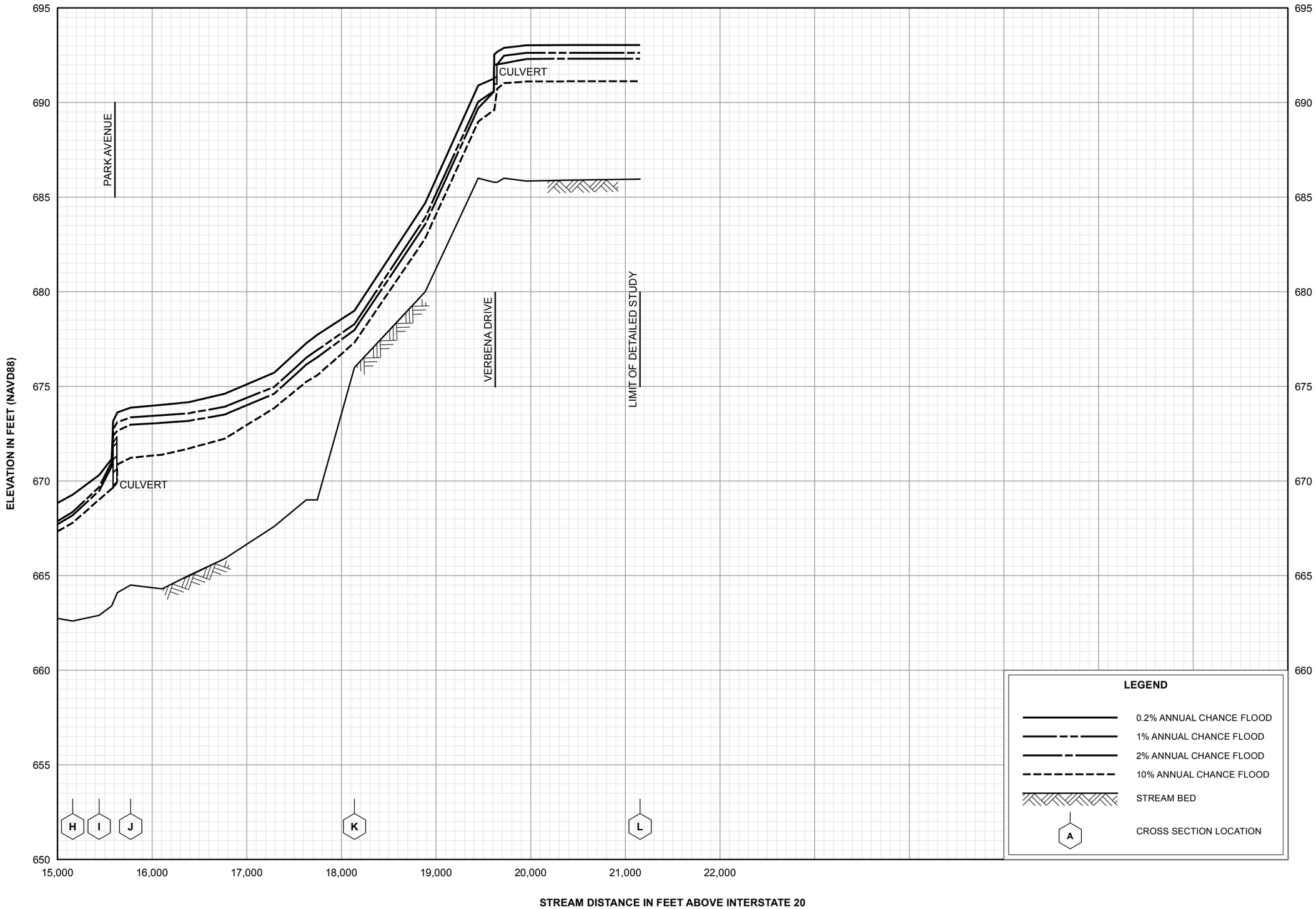


FLOOD PROFILES

LITTLE CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

LITTLE CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
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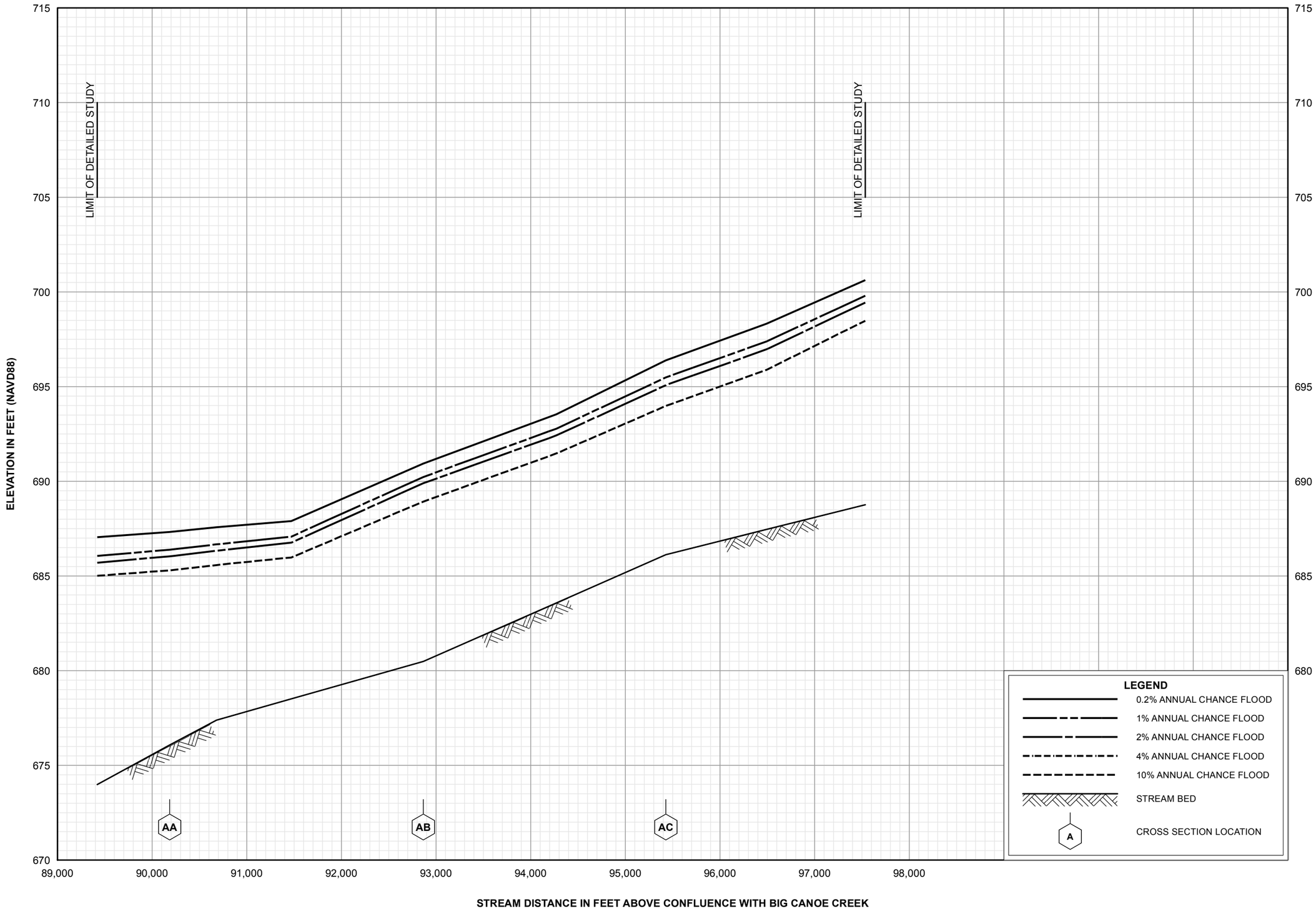
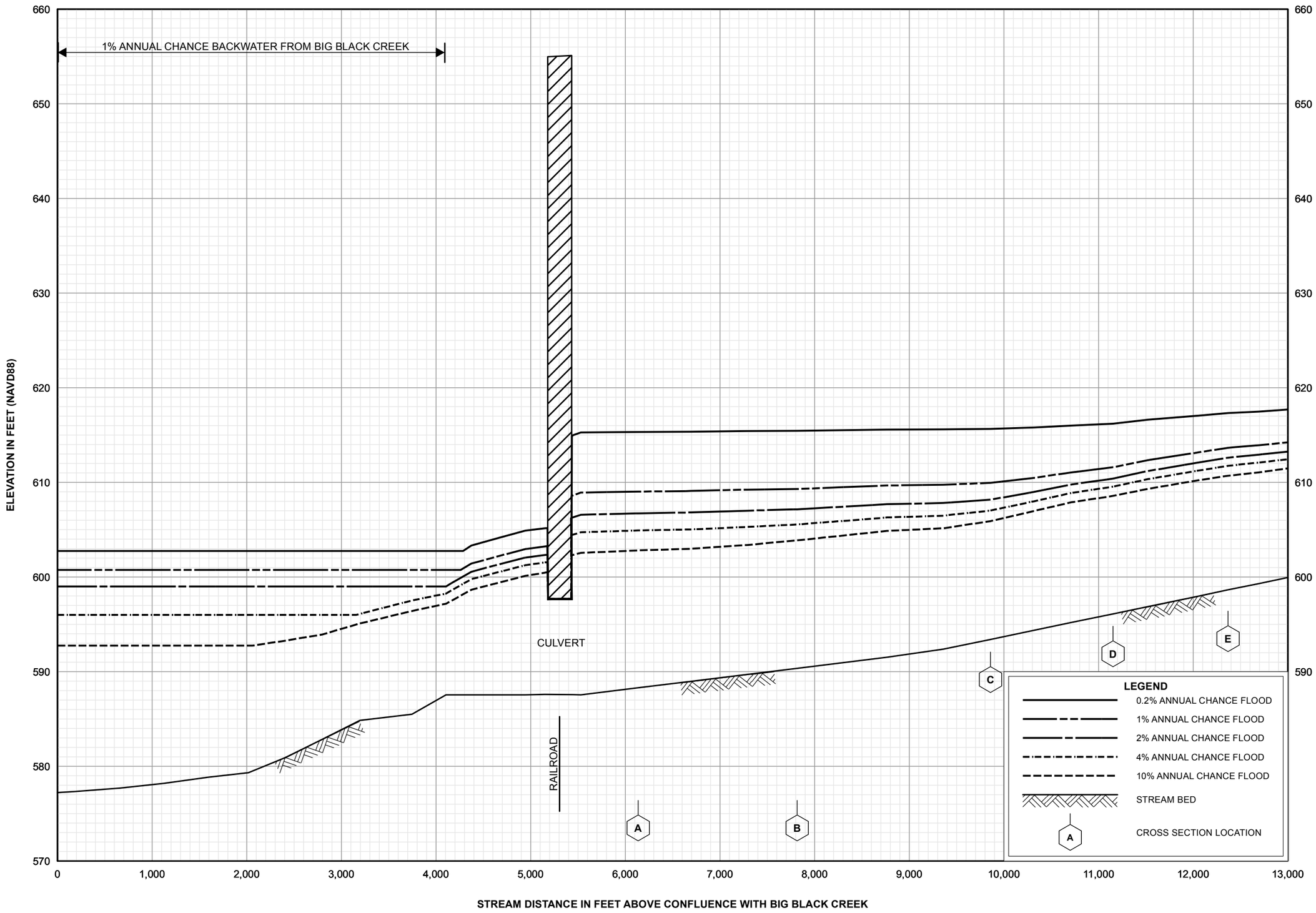


FLOOD PROFILES

LITTLE CANOE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
AND INCORPORATED AREAS



FLOOD PROFILES

MIDDLE BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
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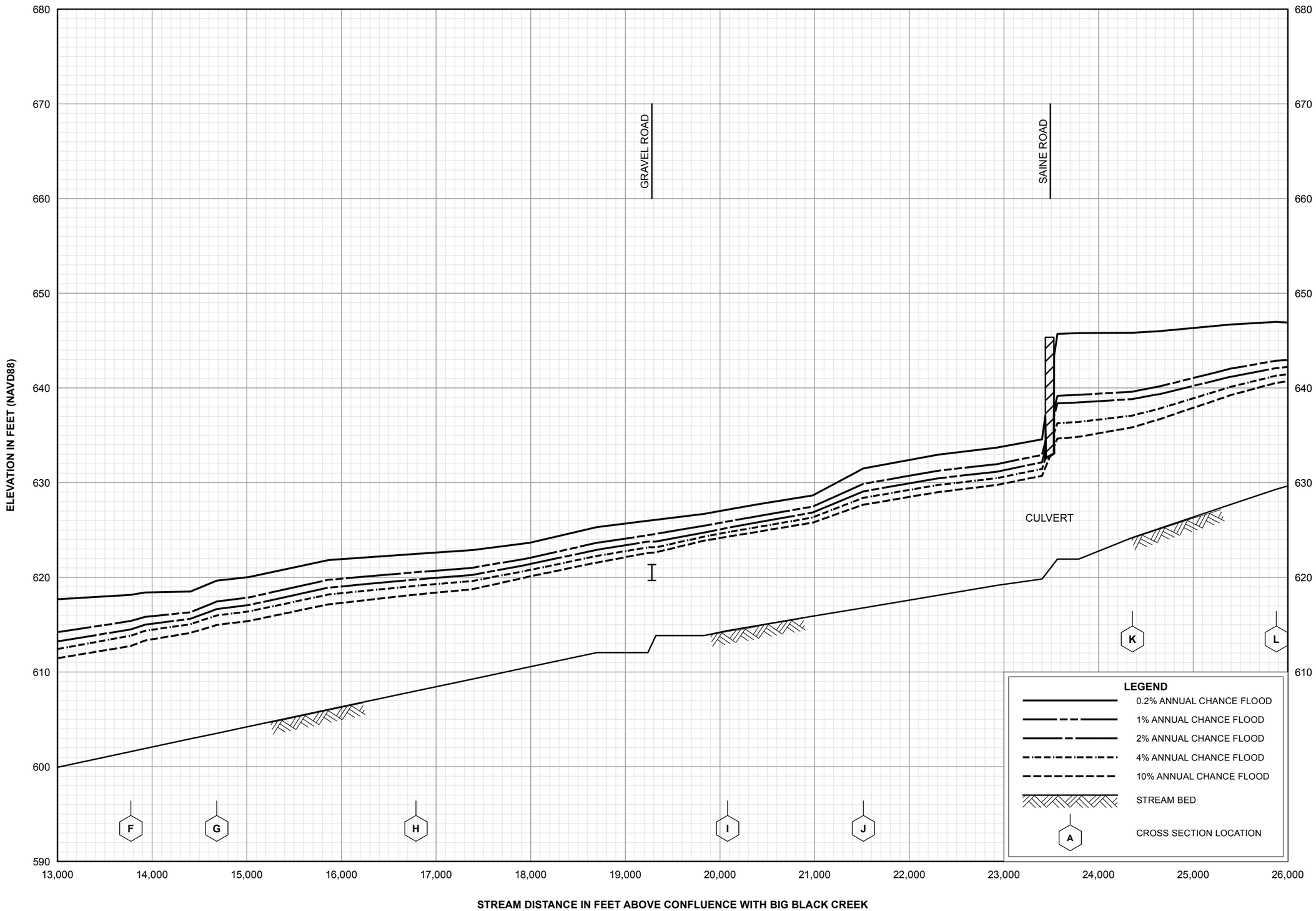

FLOOD PROFILES

MIDDLE BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
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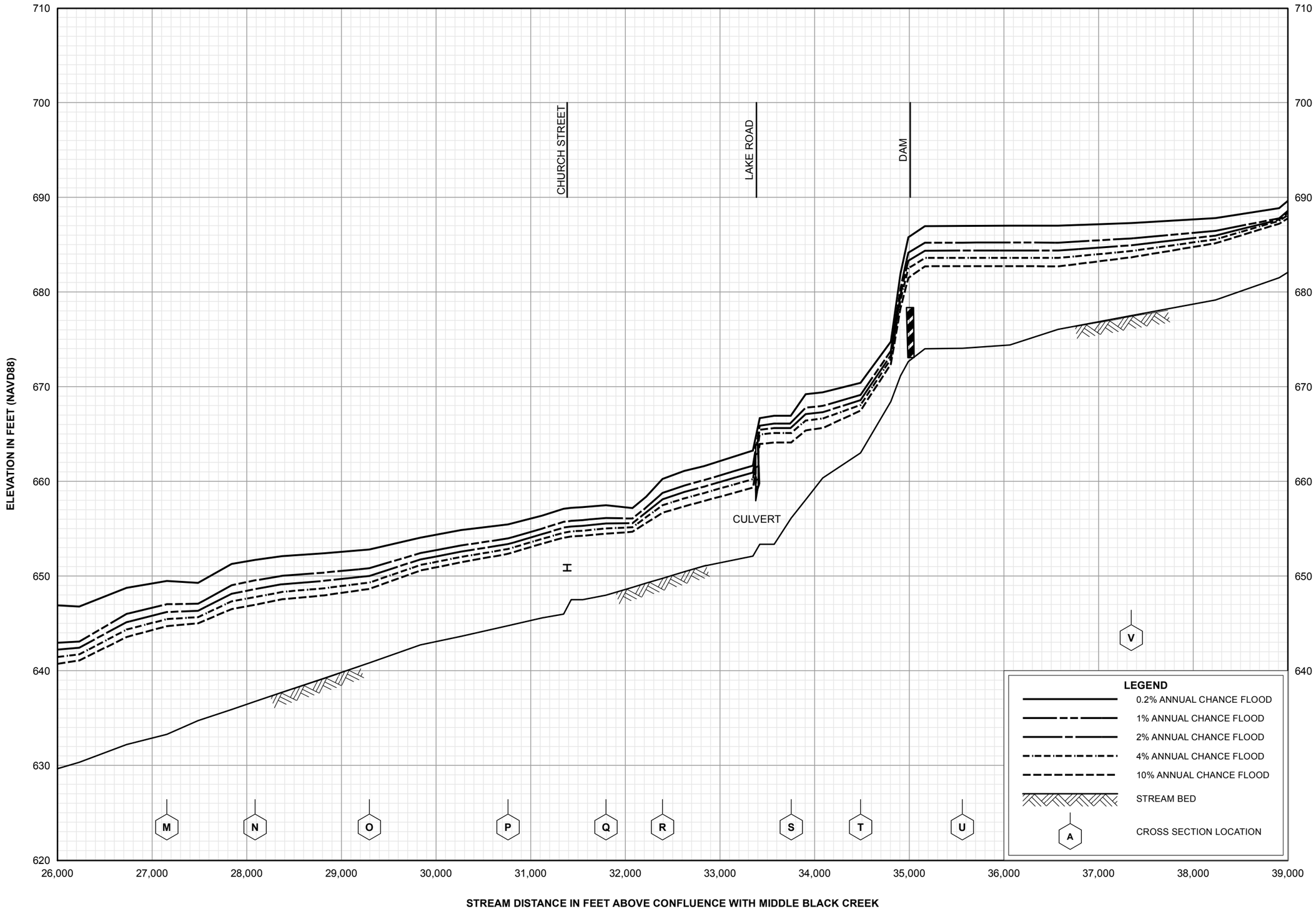

FLOOD PROFILES

MIDDLE BLACK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

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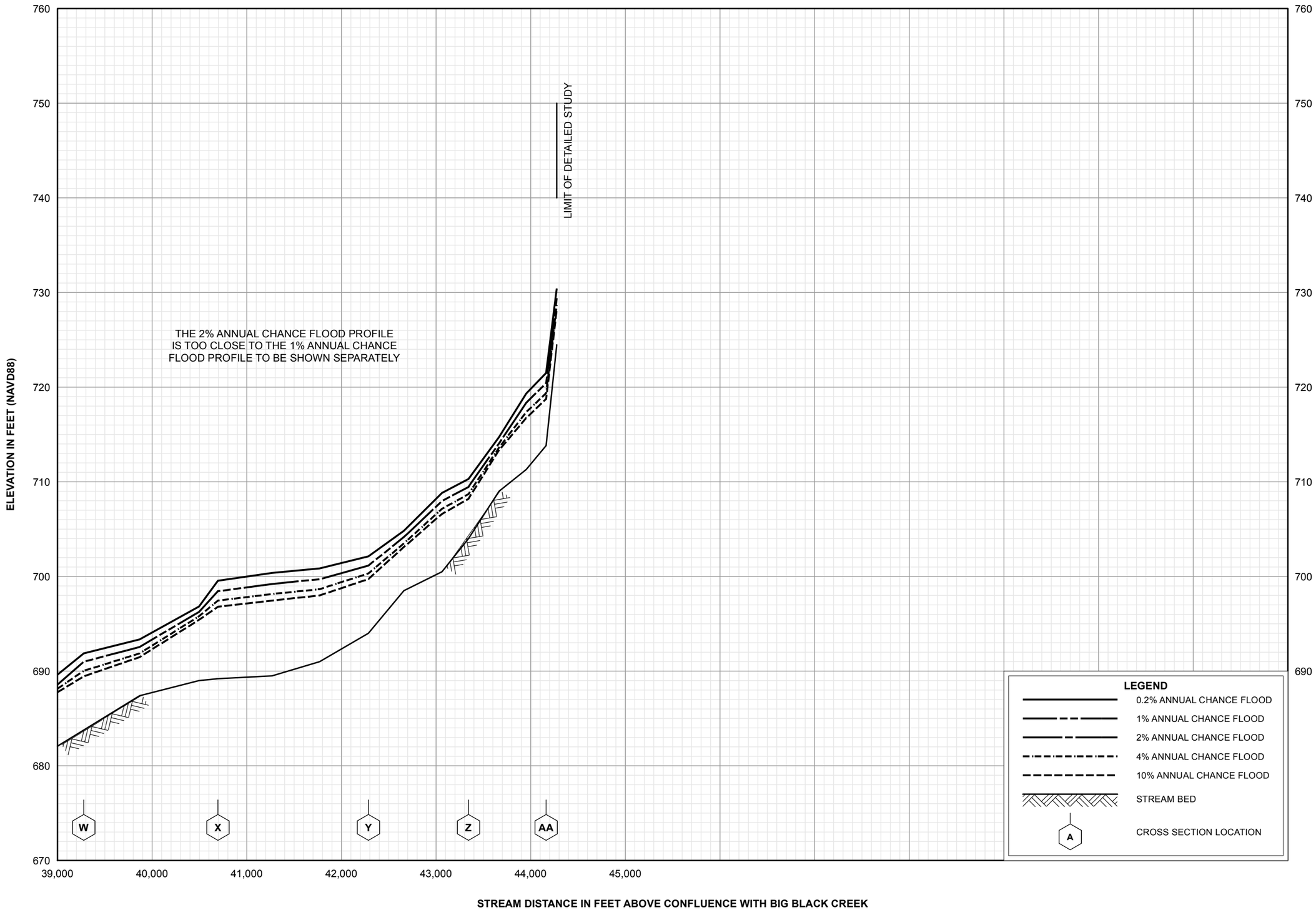

FLOOD PROFILES

MIDDLE BLACK CREEK

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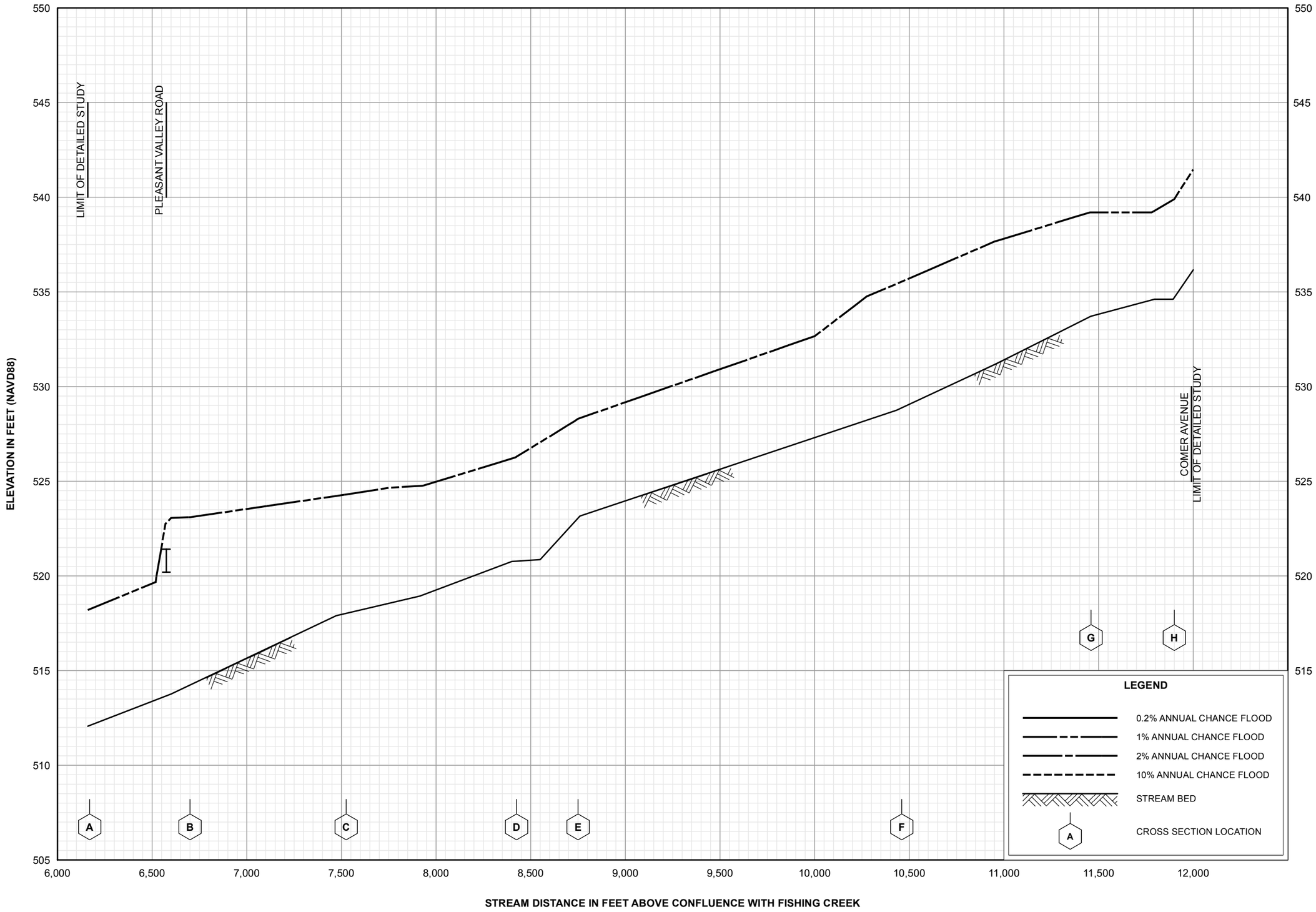

FLOOD PROFILES

WEST BRANCH FISHING CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ST. CLAIR COUNTY, AL
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