

FLOOD INSURANCE STUDY

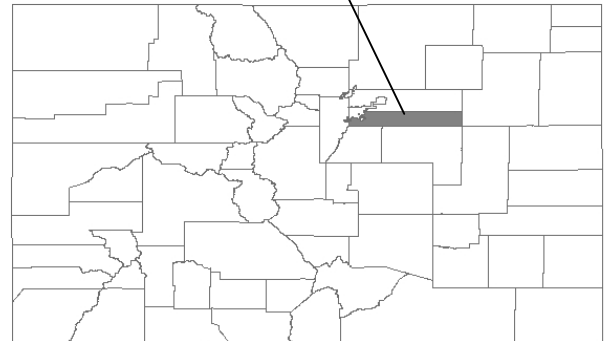
VOLUME 6 OF 6



ARAPAHOE COUNTY, COLORADO AND INCORPORATED AREAS

Community Name	Community Number
ARAPAHOE COUNTY UNINCORPORATED AREAS	080011
AURORA, CITY OF	080002
CENTENNIAL, CITY OF	080315
CHERRY HILLS VILLAGE, CITY OF	080013
COLUMBINE VALLEY, TOWN OF	080014
DEER TRAIL, CITY OF	080015
ENGLEWOOD, CITY OF	085074
*FOXFIELD, TOWN OF	080091
GLENDALE, CITY OF	080247
GREENWOOD VILLAGE, CITY OF	080195
LITTLETON, CITY OF	080017
SHERIDAN, CITY OF	080018

ARAPAHOE COUNTY



*NO SPECIAL FLOOD HAZARD AREAS IDENTIFIED

REVISED
April 11, 2024



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
08005CV006F

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 (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 report. 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 report components.

This FIS report was revised on April 11, 2024. Users should refer to Section 10.0, Revisions Description, for further information. Section 10.0 is intended to present the most up-to-date information for specific portions of this FIS report. Therefore, users of this FIS report should be aware that the information presented in Section 10.0 supersedes information in Sections 1.0 through 9.0 of this FIS report.

Initial Countywide FIS Effective Date: April 17, 1989

Revised FIS Report Dates:	March 4, 1991
	December 3, 1993
	August 16, 1995
	December 17, 2010
	February 17, 2017
	April 18, 2018
	September 28, 2018
	September 4, 2020
	April 11, 2024

TABLE OF CONTENTS

VOLUME 1 – April 11, 2024

	<u>Page</u>
1.0 INTRODUCTION	1
1.1 Purpose of Study	1
1.2 Authority and Acknowledgments.....	1
1.3 Coordination.....	3
2.0 AREA STUDIED	4
2.1 Scope of Study	4
2.2 Community Description	7
2.3 Principal Flood Problems.....	8
2.4 Flood Protection Measures.....	10
3.0 ENGINEERING METHODS	11
3.1 Hydrologic Analyses	12
3.2 Hydraulic Analyses	28
3.3 Vertical Datum	29
4.0 FLOODPLAIN MANAGEMENT APPLICATIONS.....	31
4.1 Floodplain Boundaries	31
4.2 Floodways	32

FIGURES

Figure 1: Frequency-Discharge, Drainage Area Curves, Coal Creek, Cherry Creek, Sand Creek.....	14
Figure 2: Frequency-Discharge, Drainage Area Curves, Cottonwood Creek, Big Dry Creek	15
Figure 3: Frequency-Discharge, Drainage Area Curves, Murphy Creek, Little Comanche Creek	16
Figure 4: Frequency-Discharge, Drainage Area Curves, Piney Creek, Comanche Creek, West Bijou Creek, Box Elder Creek.....	17
Figure 5: Floodway Schematic	33

TABLES

Table 1: Flooding Sources Studied by Detailed Methods.....	4
Table 2: Flooding Sources Restudied or Newly Studied by Detailed Methods.....	5
Table 3: Flooding Sources Studied by Approximate Methods	6
Table 4: Summary of Discharges.....	18
Table 5: Floodway Data.....	34

VOLUME 2 – April 11, 2024

	<u>Page</u>
5.0 INSURANCE APPLICATIONS.....	121
6.0 FLOOD INSURANCE RATE MAP	122
7.0 OTHER STUDIES.....	125
8.0 LOCATION OF DATA.....	125
9.0 BIBLIOGRAPHY AND REFERENCES.....	125
10.0 REVISION DESCRIPTIONS.....	133
10.1 First Revision (March 4, 1991)	133
10.2 Second Revision (December 3, 1993).....	135
10.3 Third Revision (August 16, 1995).....	138
10.4 Fourth Revision (December 17, 2010).....	139
10.5 Fifth Revision (February 17, 2017).....	140
10.6 Sixth Revision (April 18, 2018)	142
10.7 Seventh Revision (September 28, 2018)	144
10.8 Eighth Revision (September 4, 2020)	145
10.9 Ninth Revision (April 11, 2024)	146

TABLES

Table 5: Floodway Data (continued)	90
Table 6: Community Map History	123

APPENDIX A

Table 7: Map Repositories	149
Table 8: Listing of NFIP Jurisdictions	150
Figure 6: FIRM Panel Index	156
Figure 7: FIRM Notes to Users.....	157
Figure 8: Map Legend for FIRM	160
Table 9: Community Meetings.....	164

EXHIBITS

Exhibit 1 – Flood Profiles

Antelope Creek	Panels	001P-007P
Antelope Creek Split Flow	Panel	008P
Baranmor Ditch	Panels	009P-011P
Bear Creek	Panels	012P-013P

VOLUME 3 – April 11, 2024

EXHIBITS

Exhibit 1 – Flood Profiles (continued)

Bear Gulch	Panels	014P-021P
Big Dry Creek	Panels	022P-040P
Blackmer Gulch	Panels	041P-046P
Box Elder Creek	Panels	047P-058P
Box Elder Creek Spill 3	Panel	059P
Box Elder Creek Spill 4	Panel	060P
Box Elder Creek Spill 5	Panels	061P-062P
Box Elder Creek Split 2	Panels	063P-065P
Box Elder Creek Split 2A	Panel	066P
Box Elder Creek Split 2B	Panel	067P
Cherry Creek Below Cherry Creek State Park	Panels	068P-071P
Cherry Creek	Panels	072P-077P
Cherry Creek (Right Overbank Split Flow)	Panel	078P
Cherry Creek Spillway Drain	Panels	079P-082P
Coal Creek	Panels	083P-095P
Comanche Creek	Panel	096P
Coon Creek	Panel	097P
Cottonwood Creek	Panels	098P-104P

VOLUME 4 – April 11, 2024

EXHIBITS

Exhibit 1 – Flood Profiles (continued)

Coyote Run	Panels	105P-117P
Dutch Creek	Panels	118P-119P
East Toll Gate Creek	Panels	120P-131P
Fillmore Tributary	Panels	132P-135P
First Creek	Panels	136P-144P
First Creek E-470 Split	Panel	145P
First Creek Tributary T	Panels	146P-149P
Goldsmith Gulch	Panels	150P-154P
Granby Ditch	Panels	155P-159P
Greenwood Gulch	Panels	160P-166P
Greenwood Gulch Bypass	Panels	167P-169P
Happy Canyon Creek	Panel	170P
Havana Tributary	Panels	171P-172P
Inverness Tributary	Panels	173P-174P
Lee Gulch	Panels	175P-184P
Little Comanche Creek	Panel	185P

VOLUME 5 – April 11, 2024

EXHIBITS

Exhibit 1 – Flood Profiles (continued)

Little Dry Creek	Panels	186P-212P
Little's Creek	Panels	213P-222P
Lone Tree Creek	Panels	223P-228P
Murphy Creek	Panels	229P-239P
Murphy Creek Tributary	Panel	240P
Nobles Road Tributary	Panels	241P-244P
Otero Tributary	Panels	245P-247P
Peoria Tributary	Panels	248P-250P
Piney Creek	Panels	251P-263P
Piney Creek Split Flow	Panel	264P
Prentice Gulch	Panel	265P
Quincy Gulch	Panels	266P-268P
Sable Ditch	Panels	269P-272P
Sable Ditch Overflow	Panel	273P
Sand Creek	Panels	274P-277P

VOLUME 6 – April 11, 2024

EXHIBITS

Exhibit 1 – Flood Profiles (continued)

Second Creek	Panels	278P-281P
Senac Creek	Panels	282P-285P
SJCD 6100	Panels	286P-288P
SJCD 6200	Panels	289P-290P
Slaughterhouse Gulch	Panels	291P-295P
South Platte River	Panels	296P-297P
South Tributary Slaughterhouse Gulch	Panels	298P-299P
Spring Creek	Panels	300P-301P
Sterne Parkway Overflow	Panel	302P
Three Lakes Tributary	Panel	303P
Toll Gate Creek	Panels	304P-306P
Tributary to Unnamed Creek	Panel	307P
Unnamed Creek	Panels	308P-312P
West Bijou Creek	Panels	313P-315P
West Harvard Gulch	Panels	316P-318P
West Toll Gate Creek, Lower Reach	Panels	319P-324P
West Toll Gate Creek, Upper Reach	Panels	325P-327P
West Toll Gate Creek Tributary	Panel	328P
West Tributary to Goldsmith Gulch	Panels	329P-331P

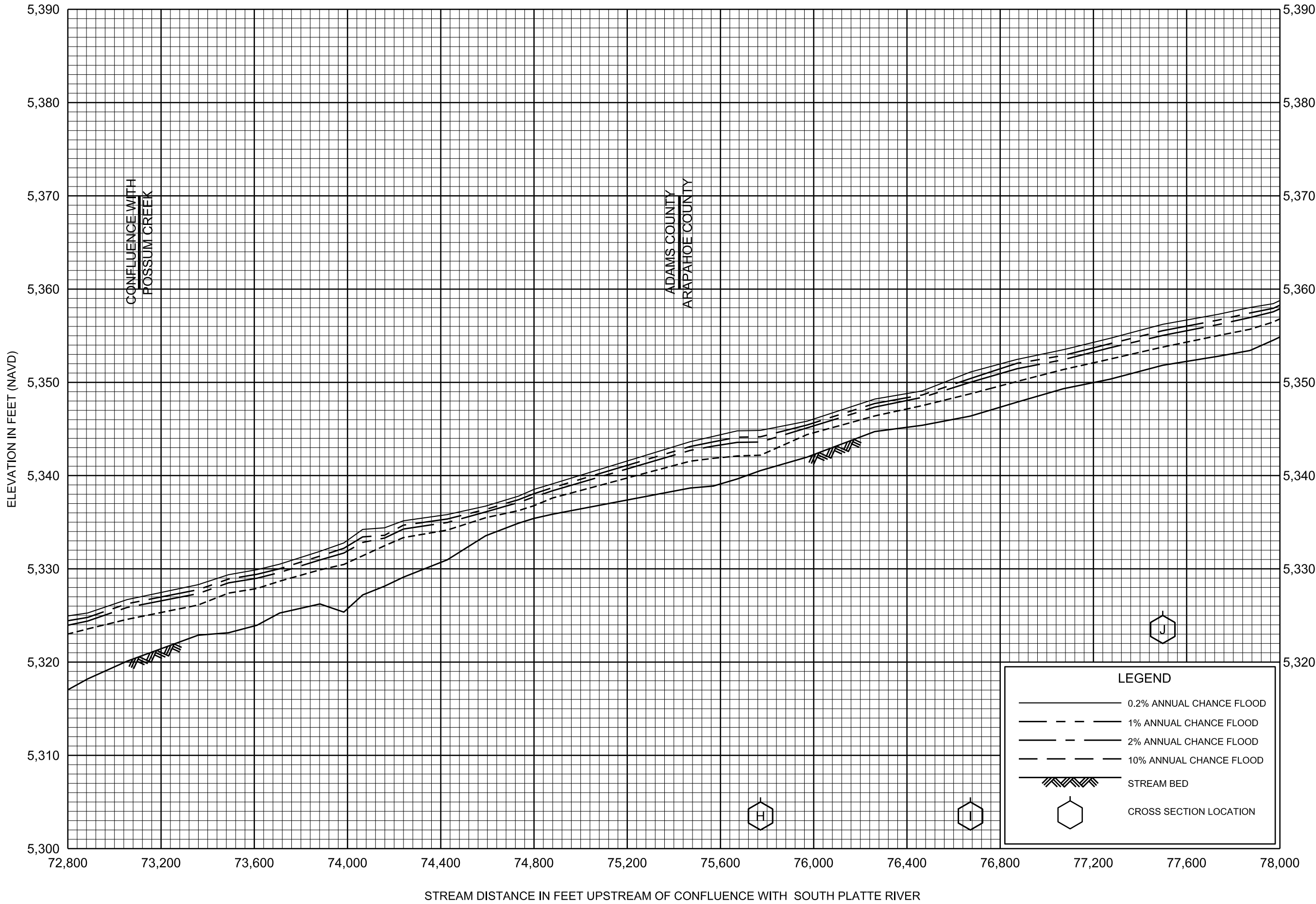
VOLUME 6 – April 11, 2024 (Continued)

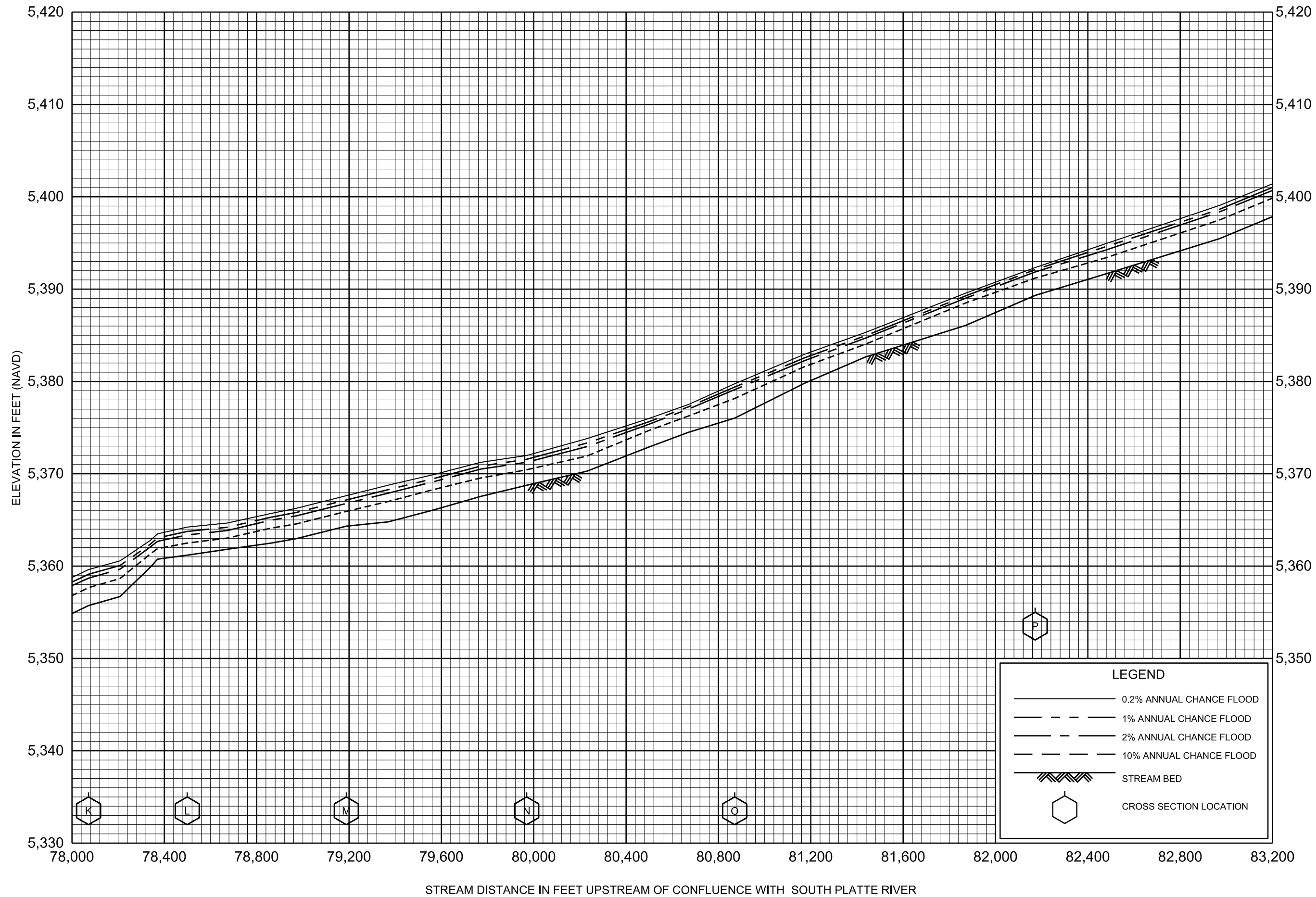
EXHIBITS

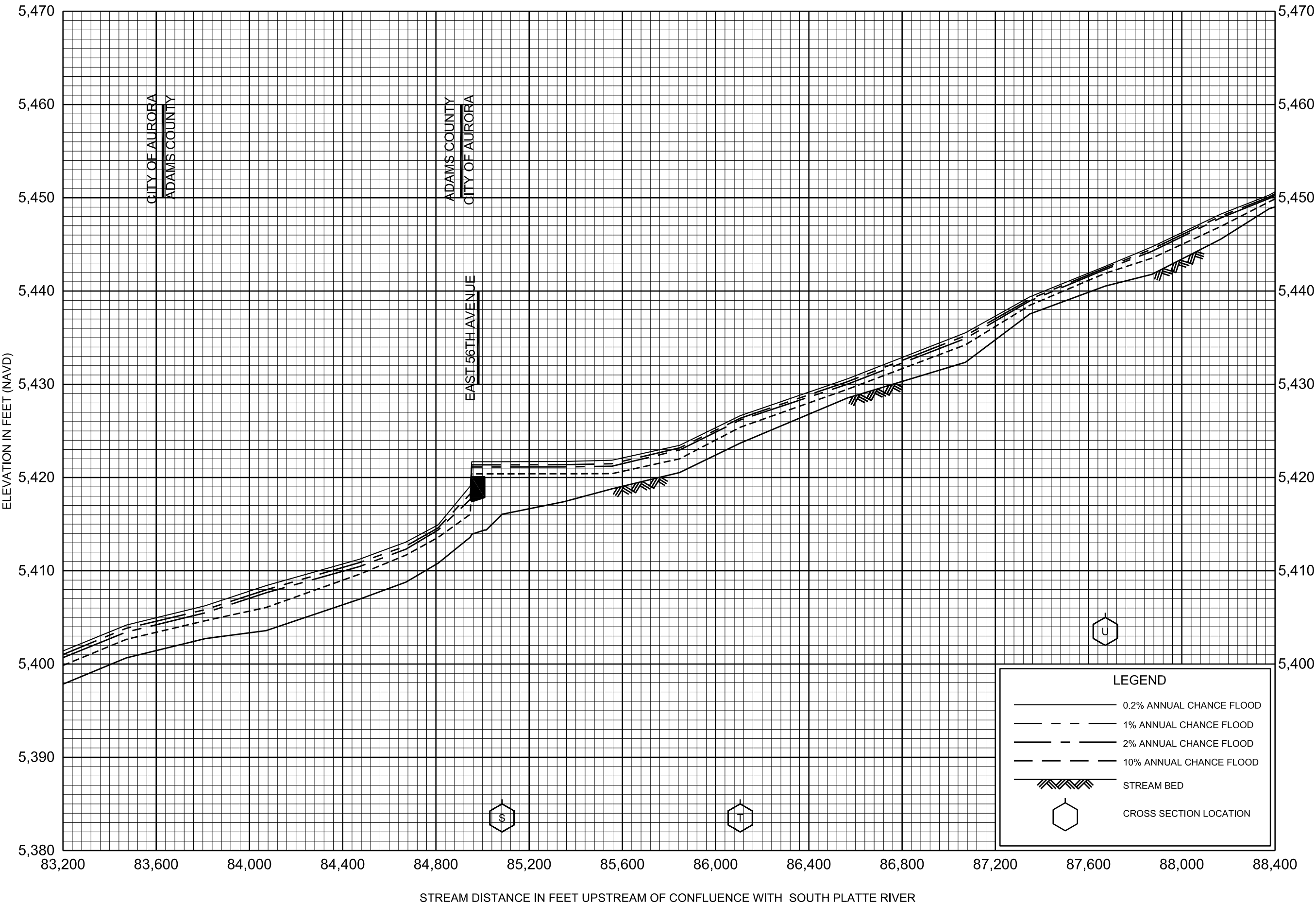
Exhibit 1 – Flood Profiles (continued)

Westerly Creek	Panels	332P-337P
Westerly Creek Overflow	Panel	338P
Willow Creek	Panels	339P-342P
Wolf Creek	Panels	343P-344P
Wolf Creek Tributary	Panel	345P

Exhibit 2 – Flood Insurance Rate Map
Flood Insurance Rate Map Index





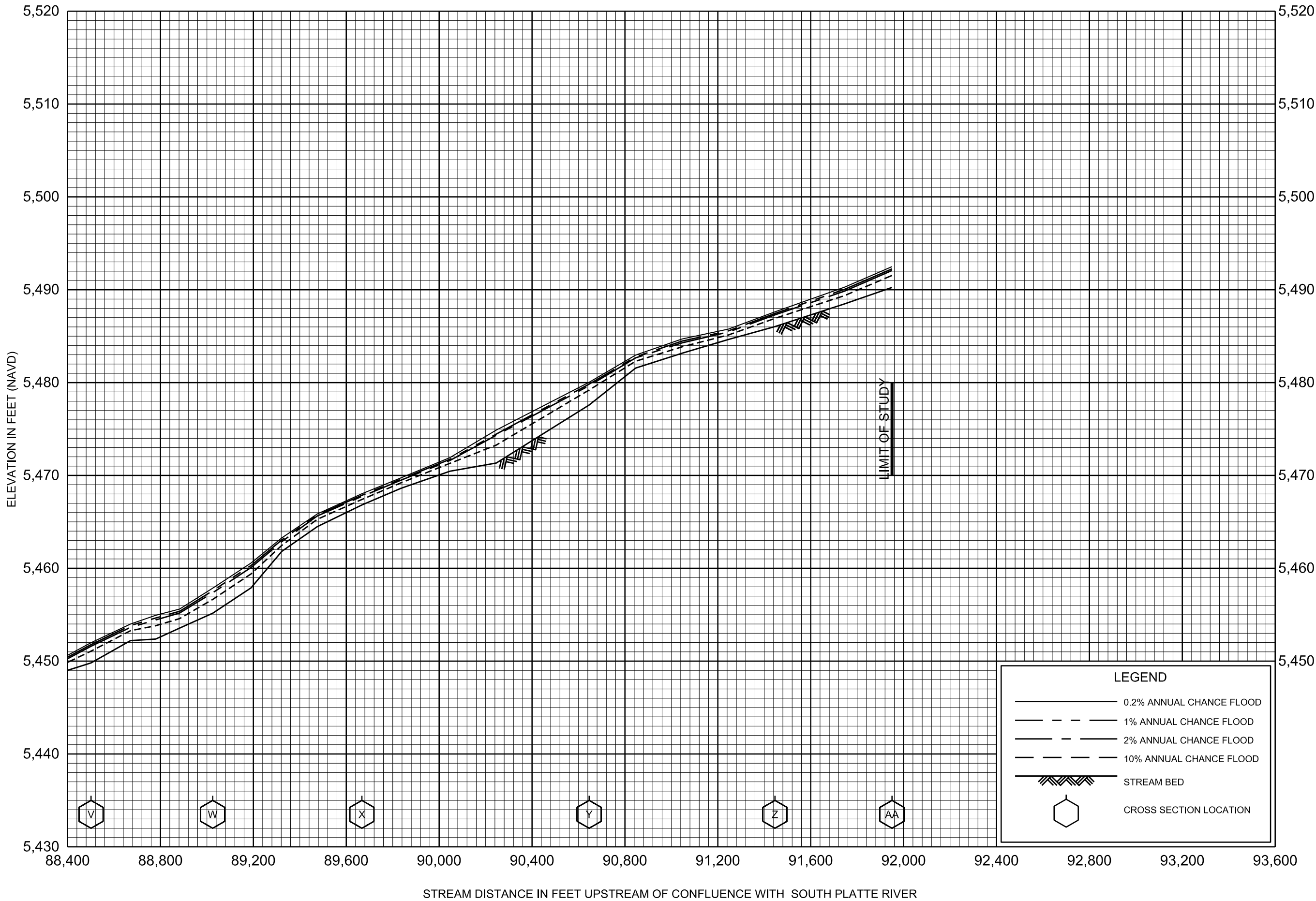


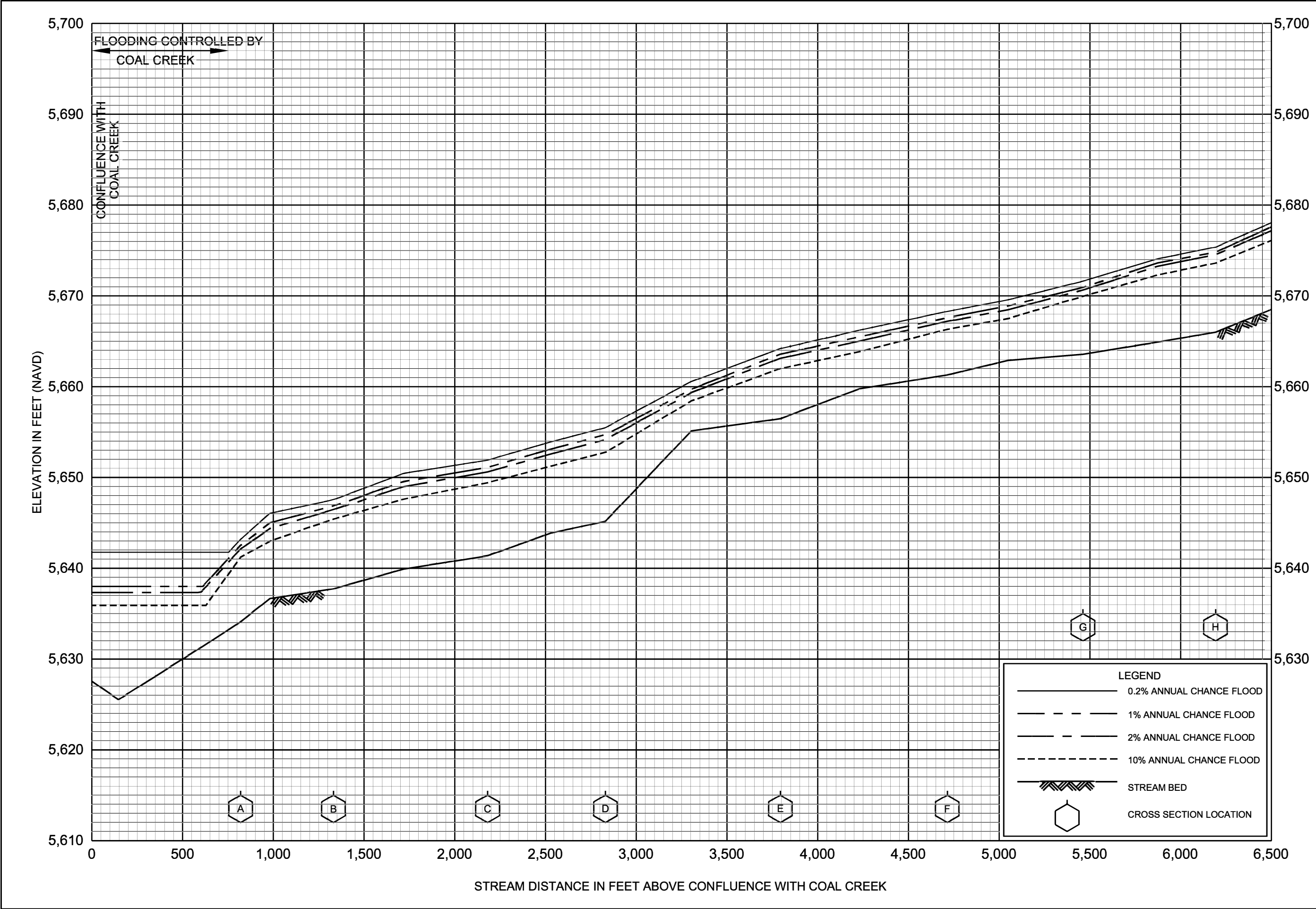
FLOOD PROFILES

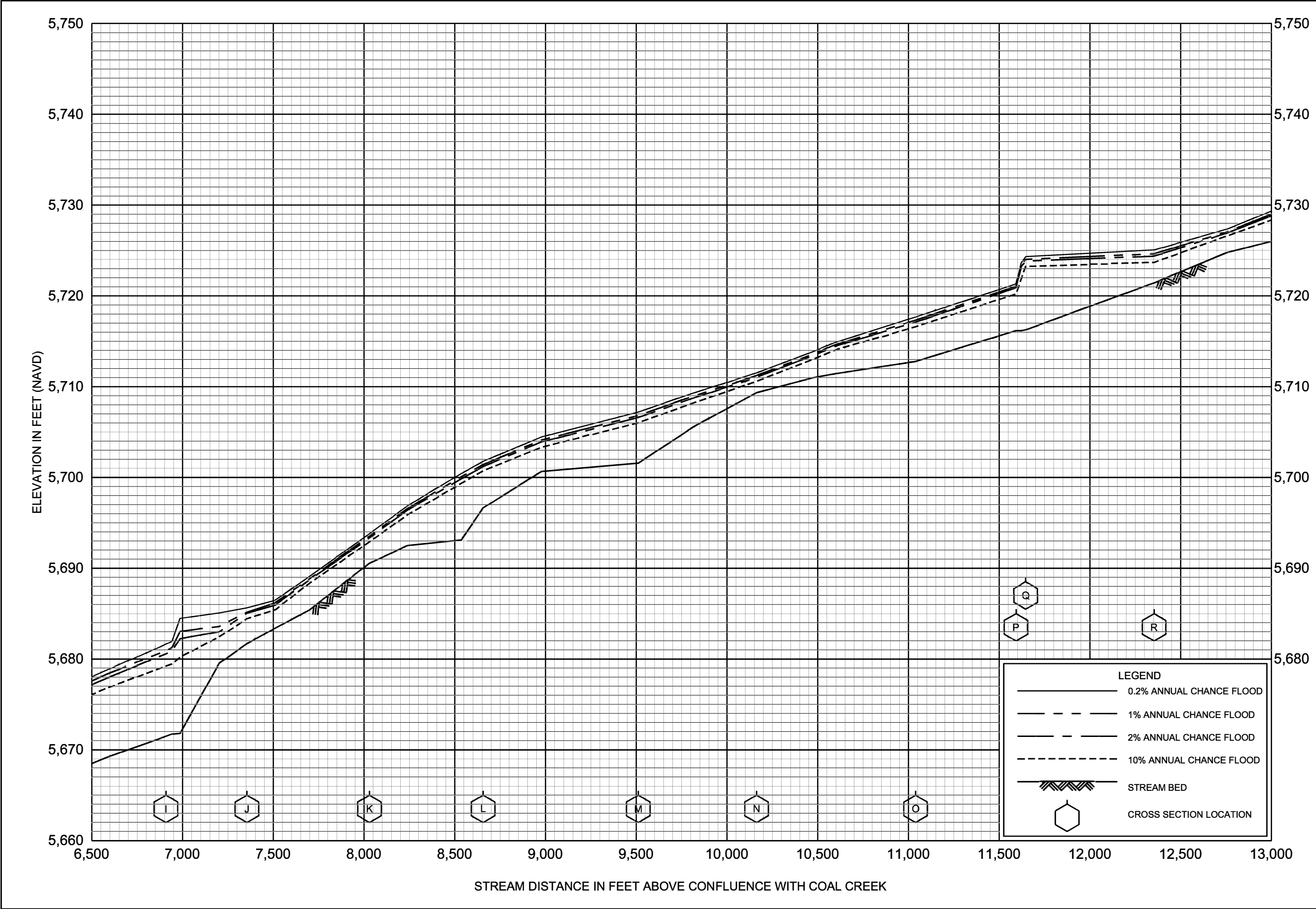
SECOND CREEK

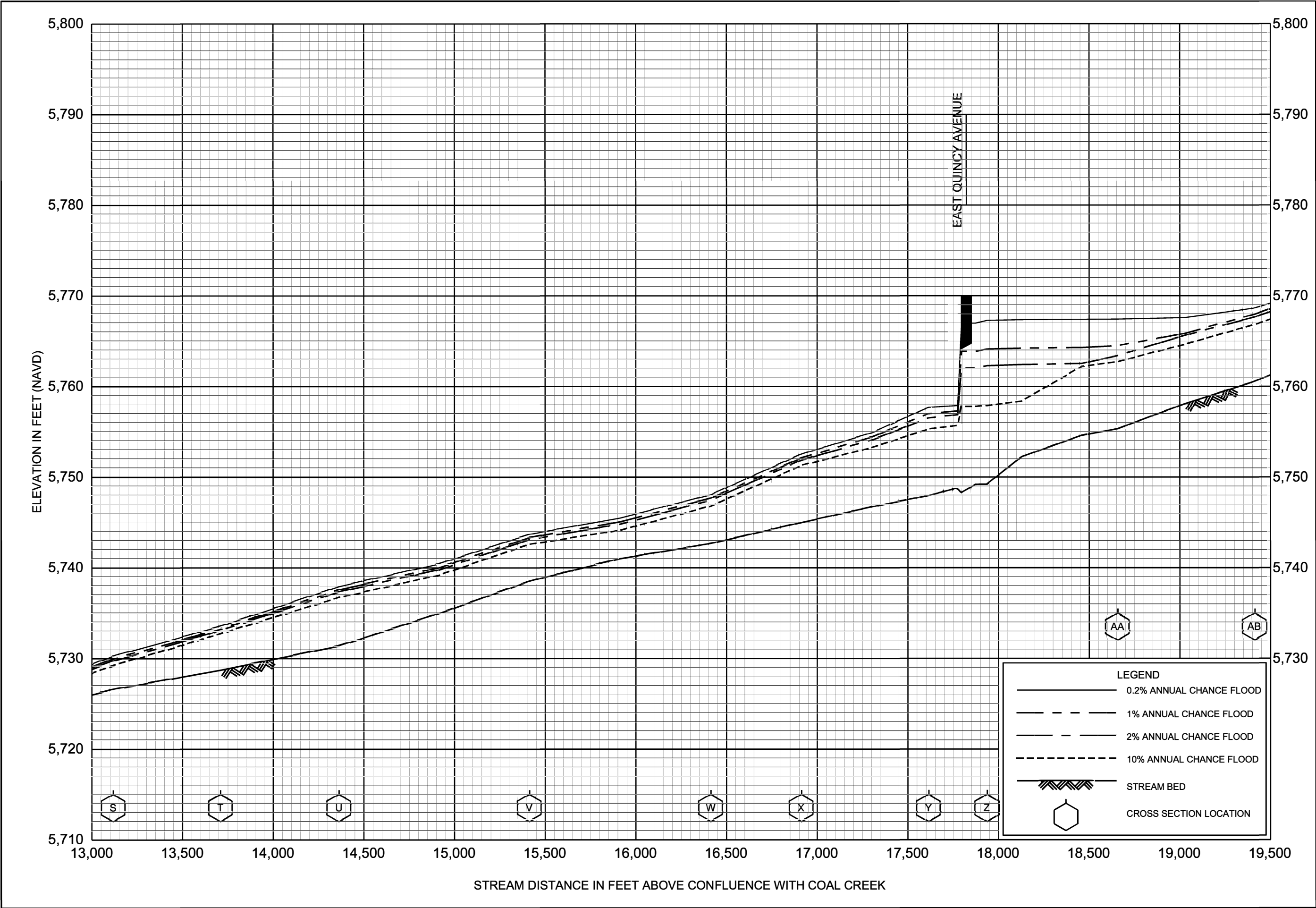
FEDERAL EMERGENCY MANAGEMENT AGENCY

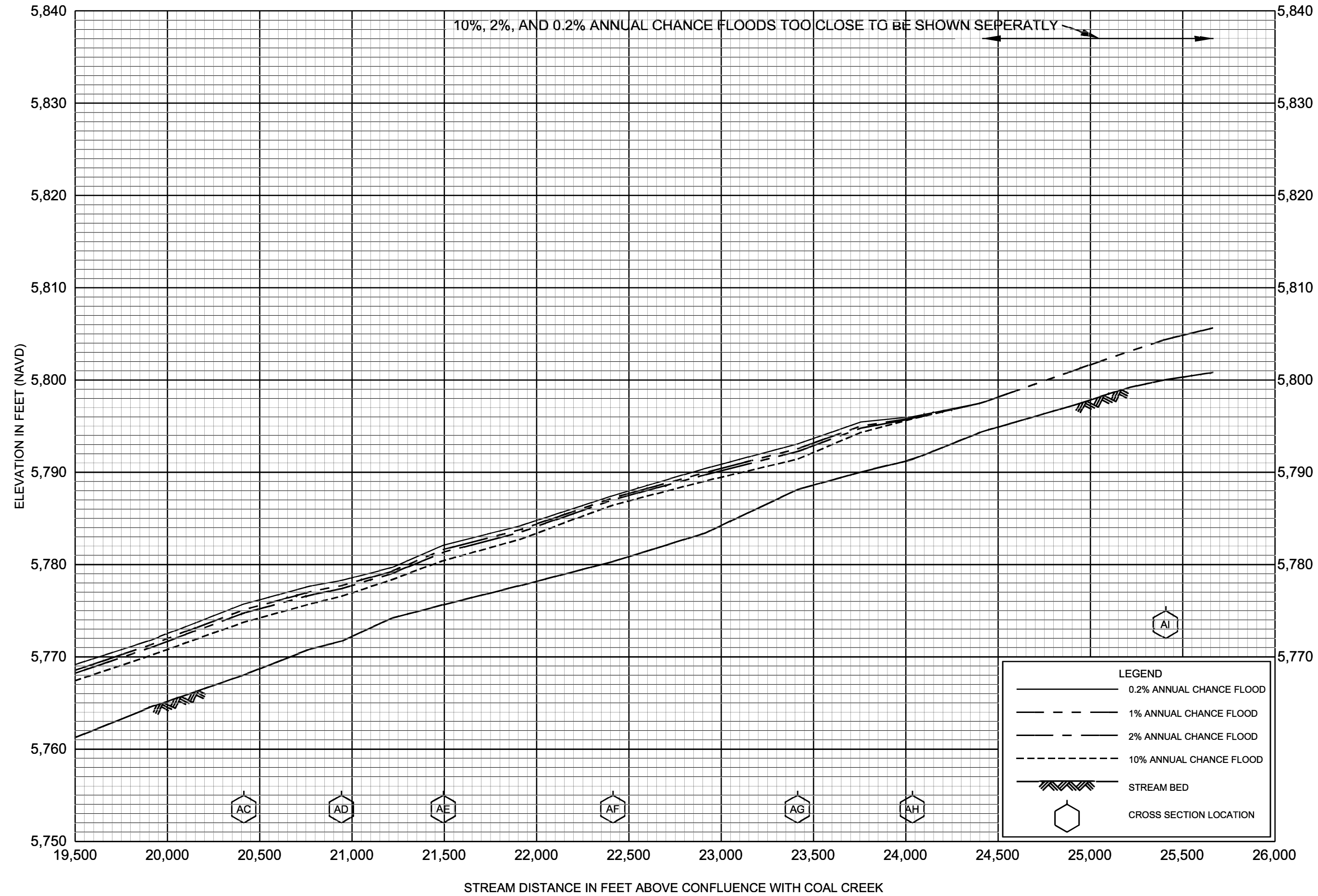
ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS

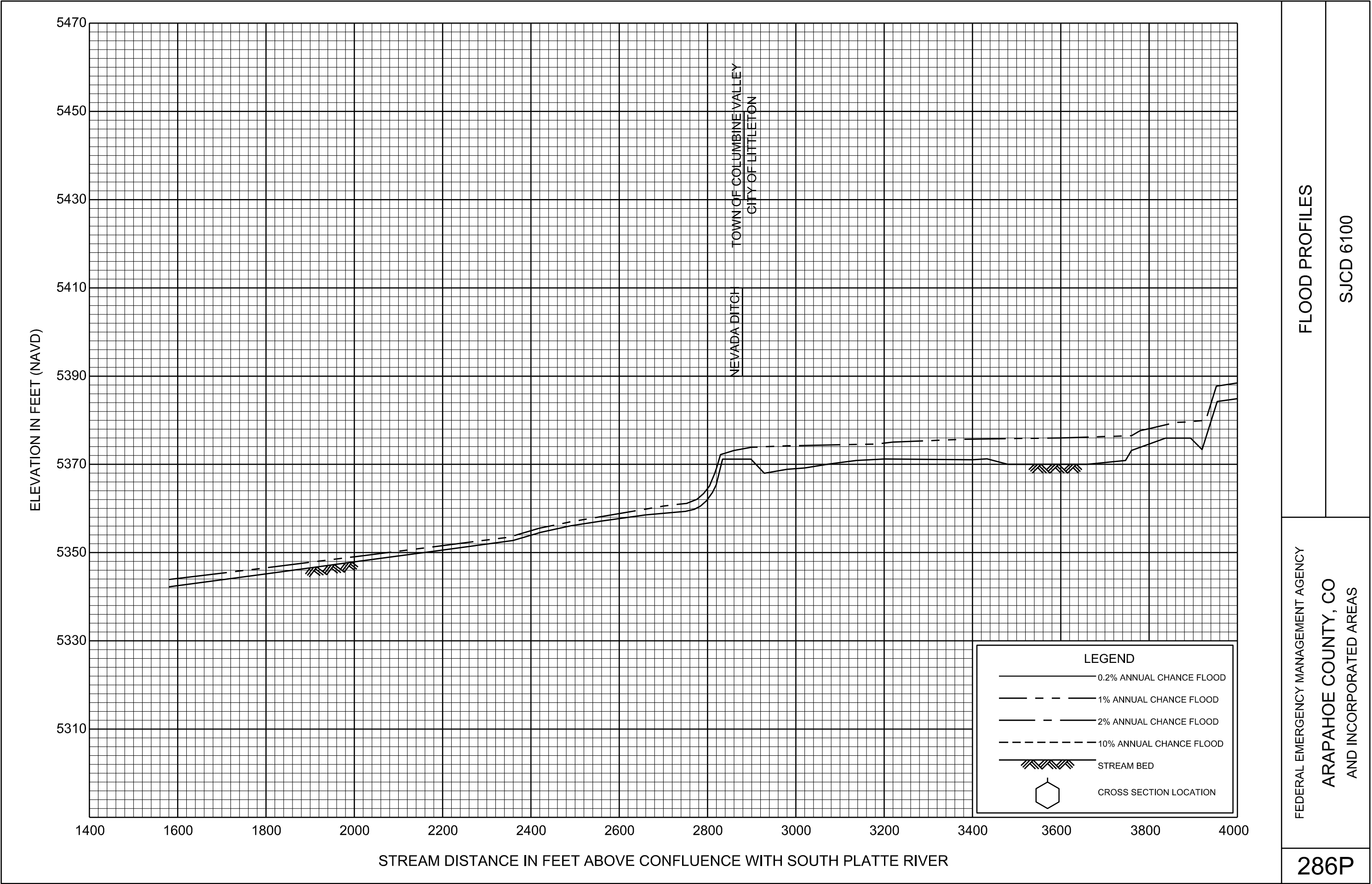








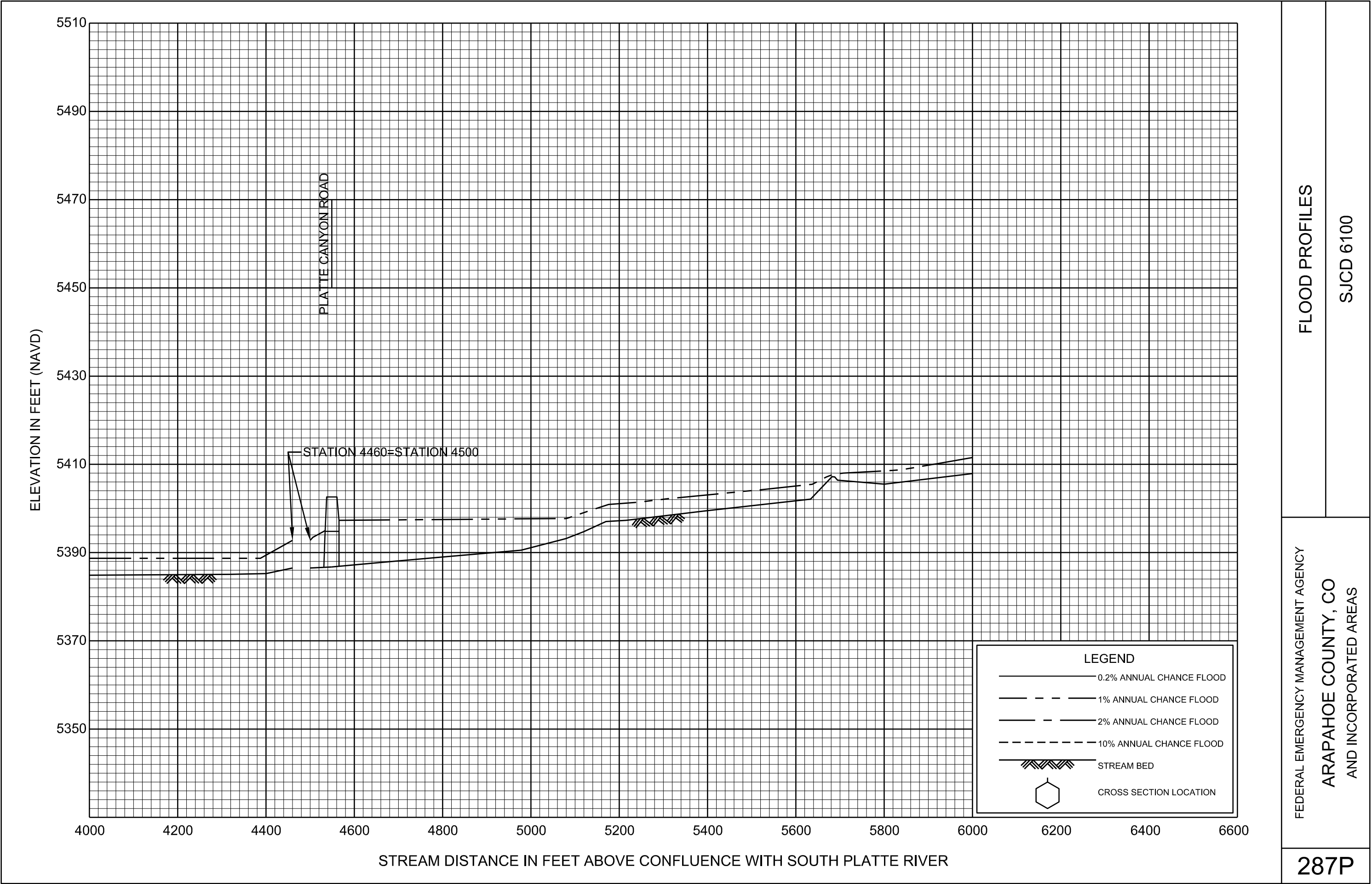




FLOOD PROFILES

SJCD 6100

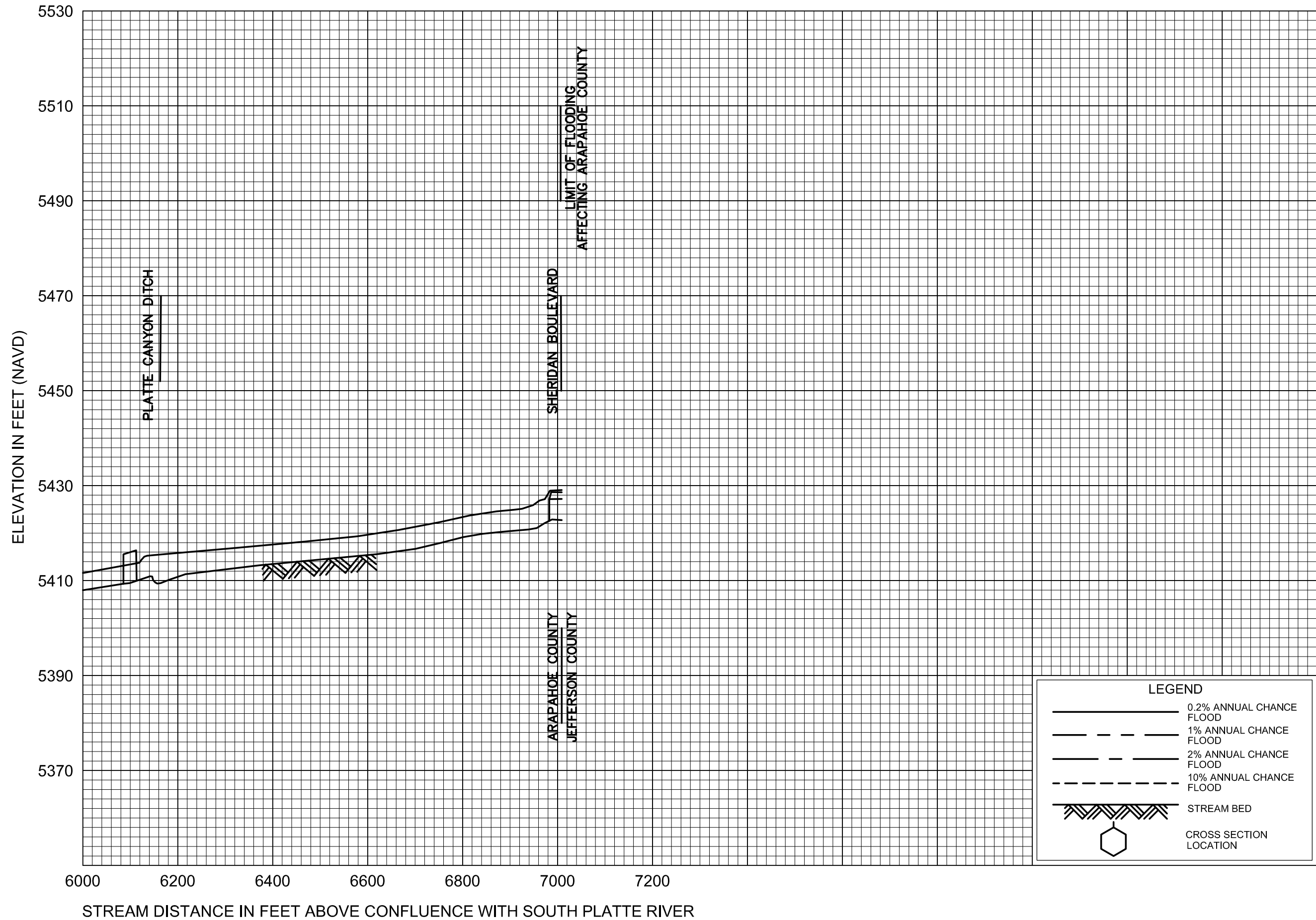
FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS

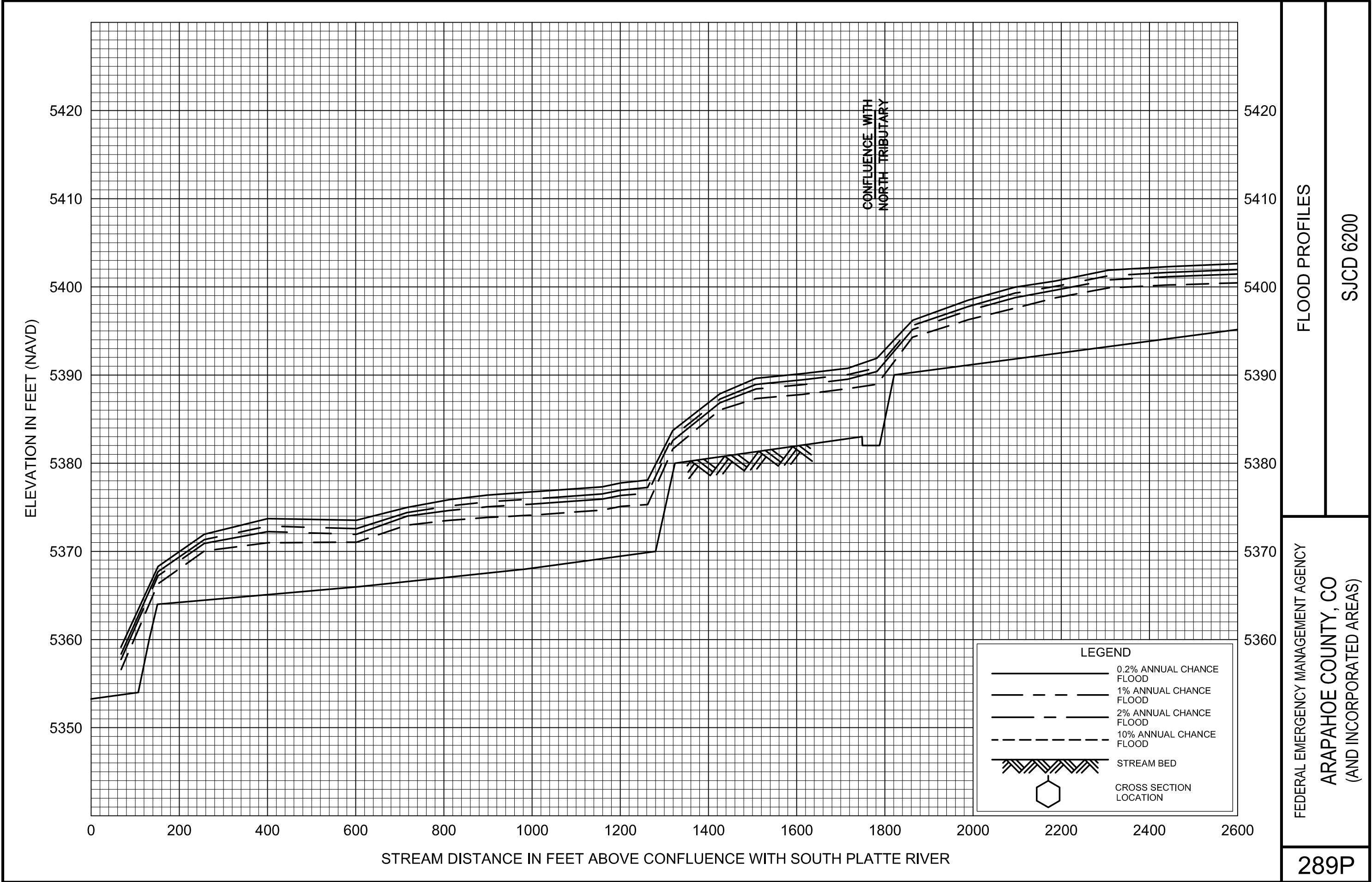


FLOOD PROFILES

SJCD 6100

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS





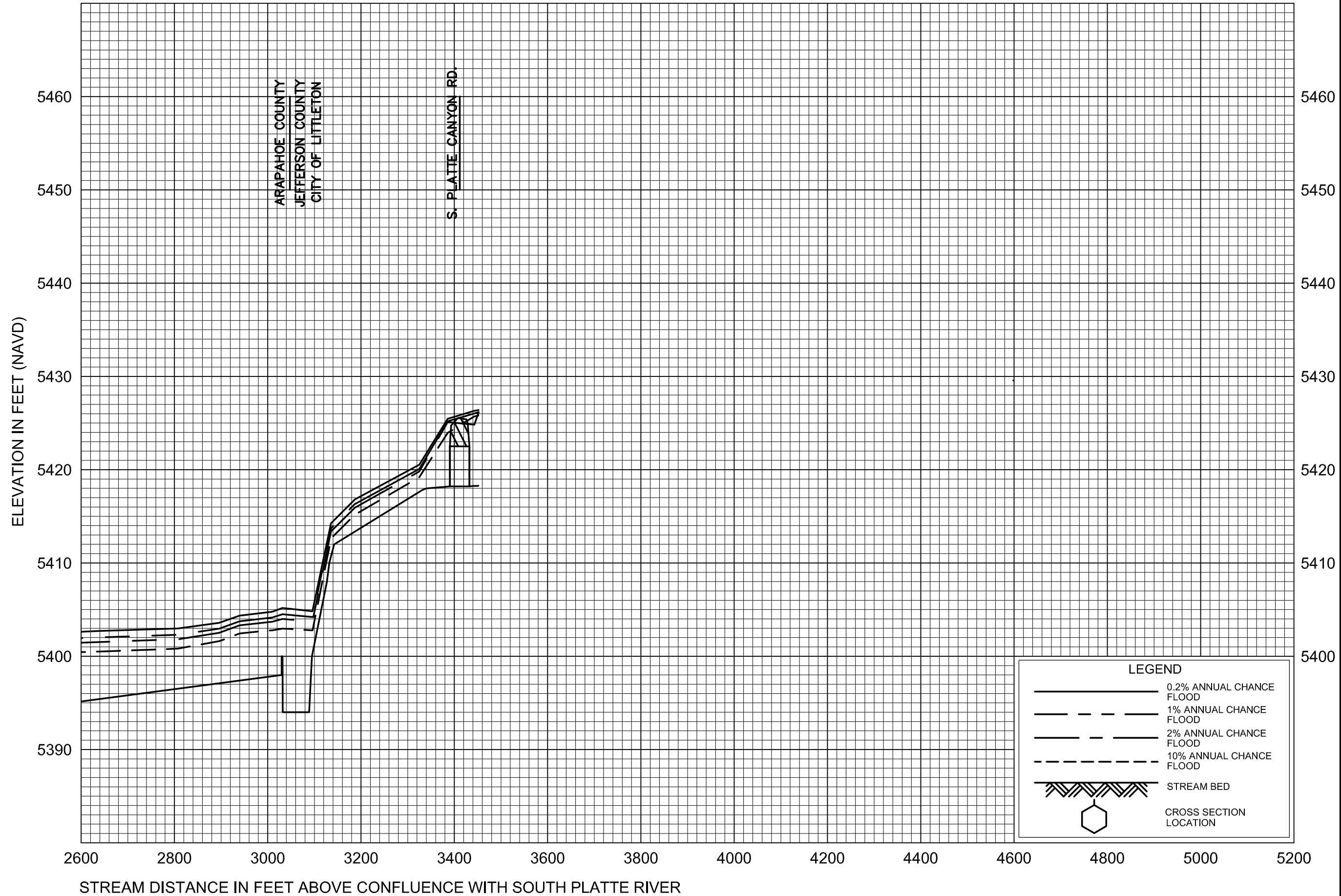
FLOOD PROFILES

SJCD 6200

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

289P



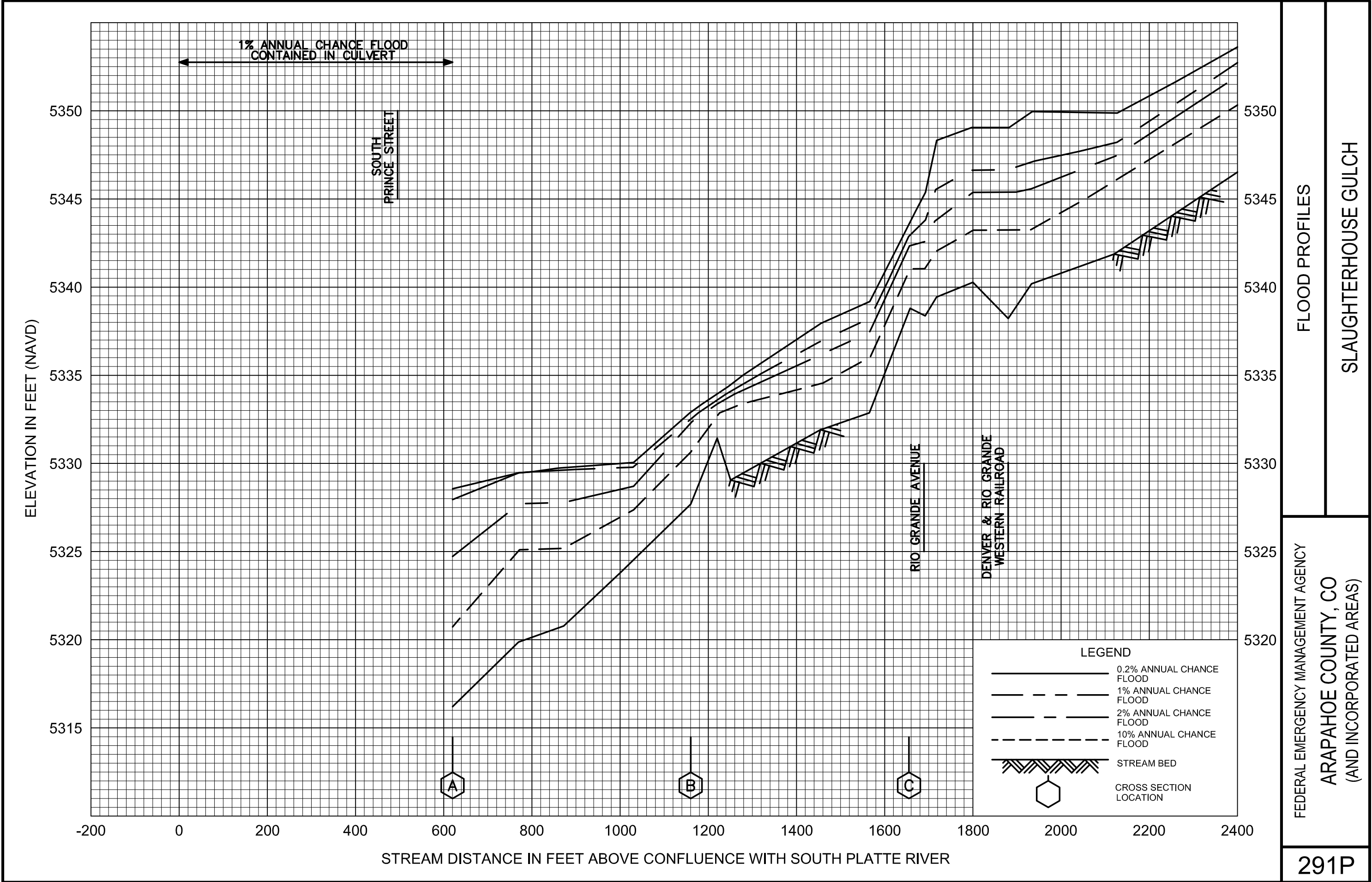
FLOOD PROFILES

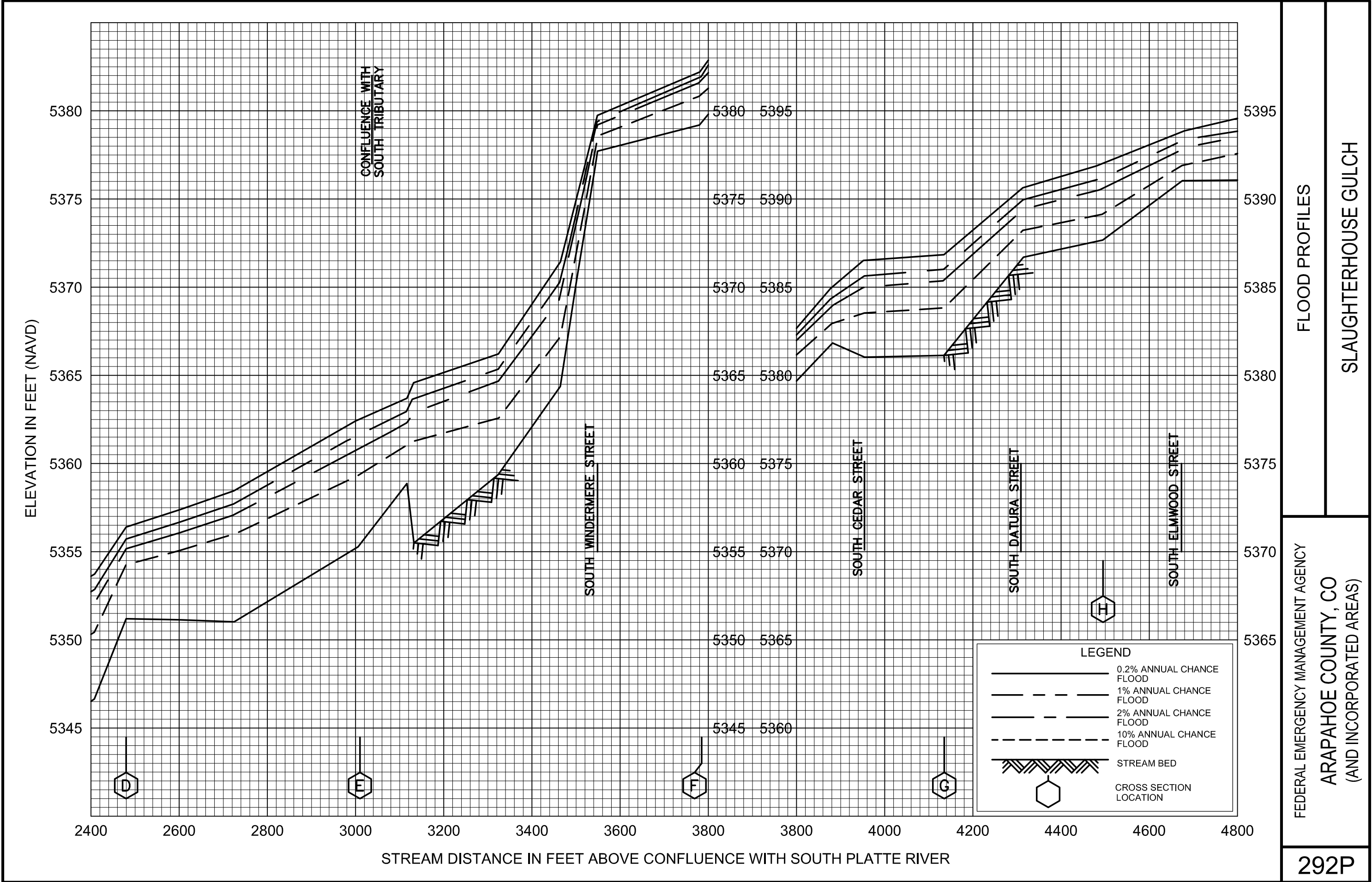
SJCD 6200

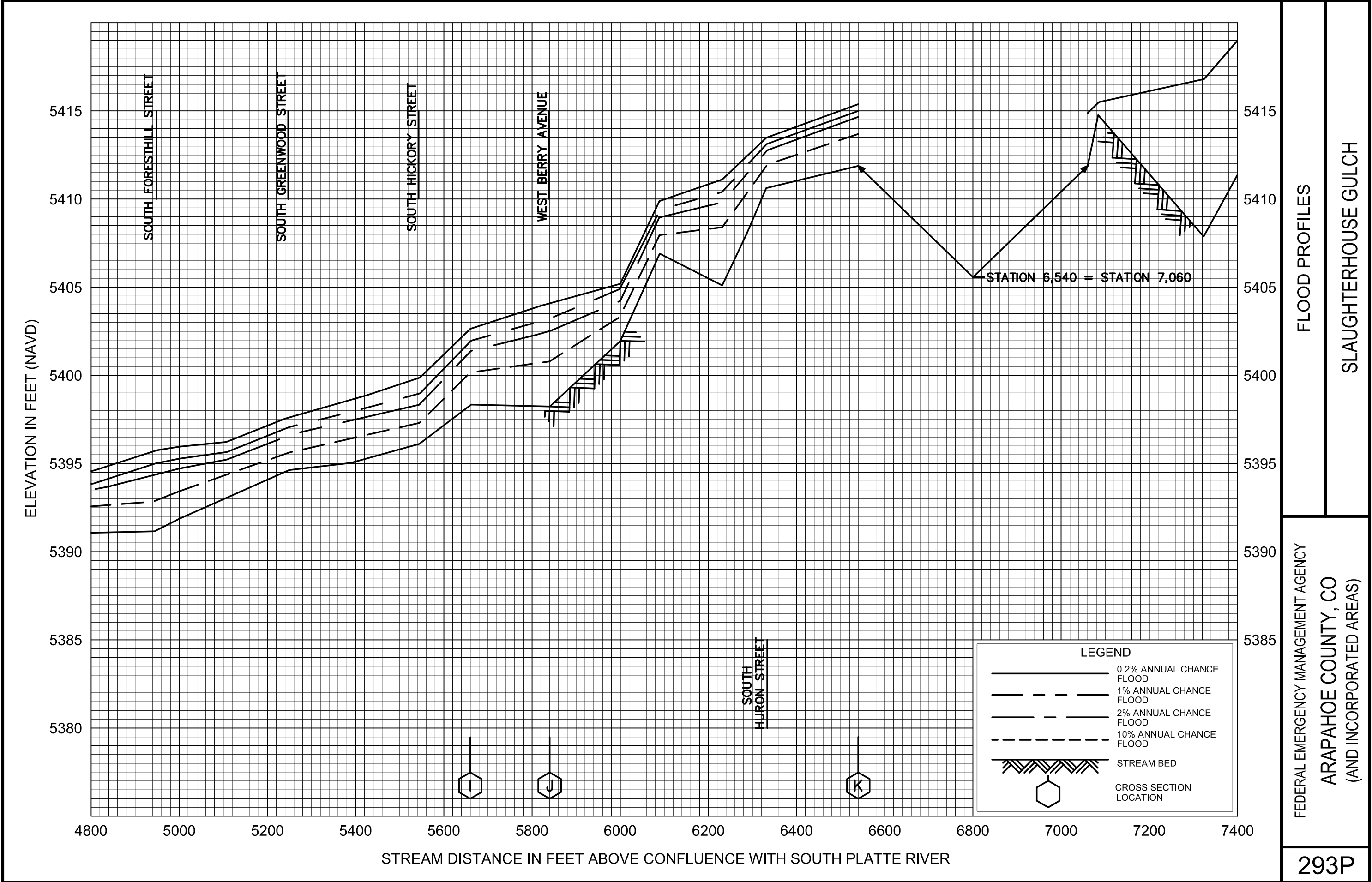
FEDERAL EMERGENCY MANAGEMENT AGENCY

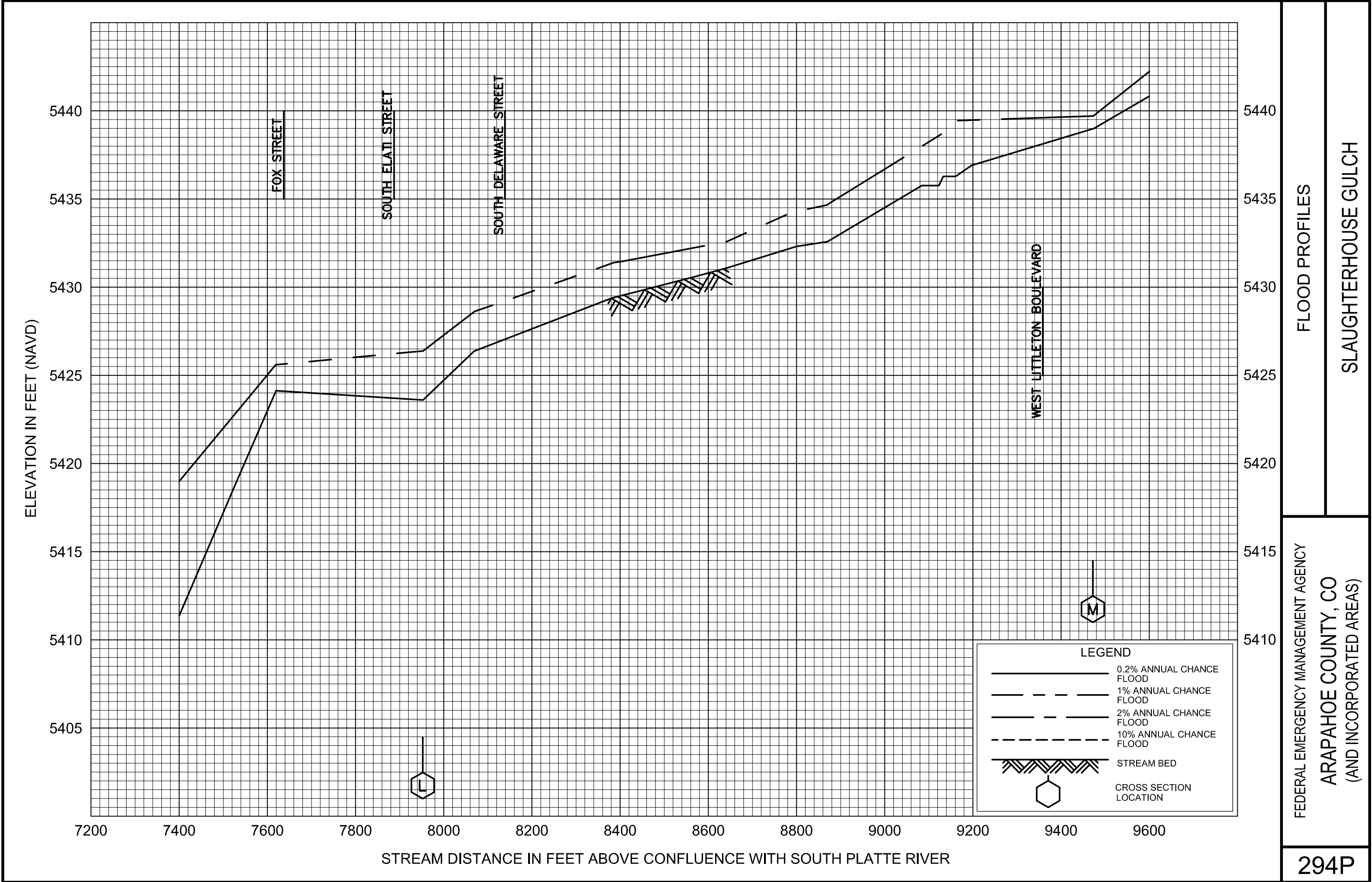
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

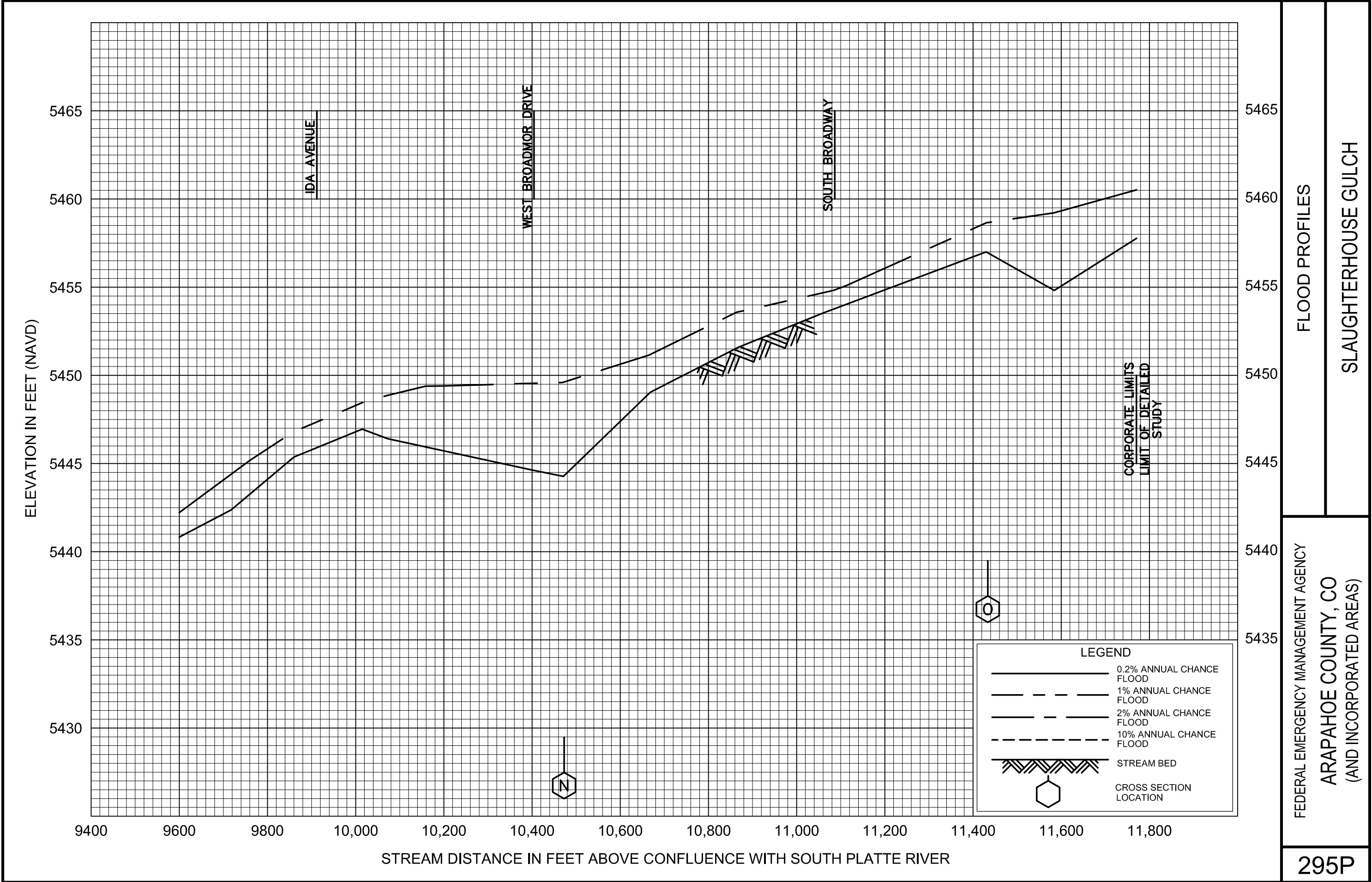
290P







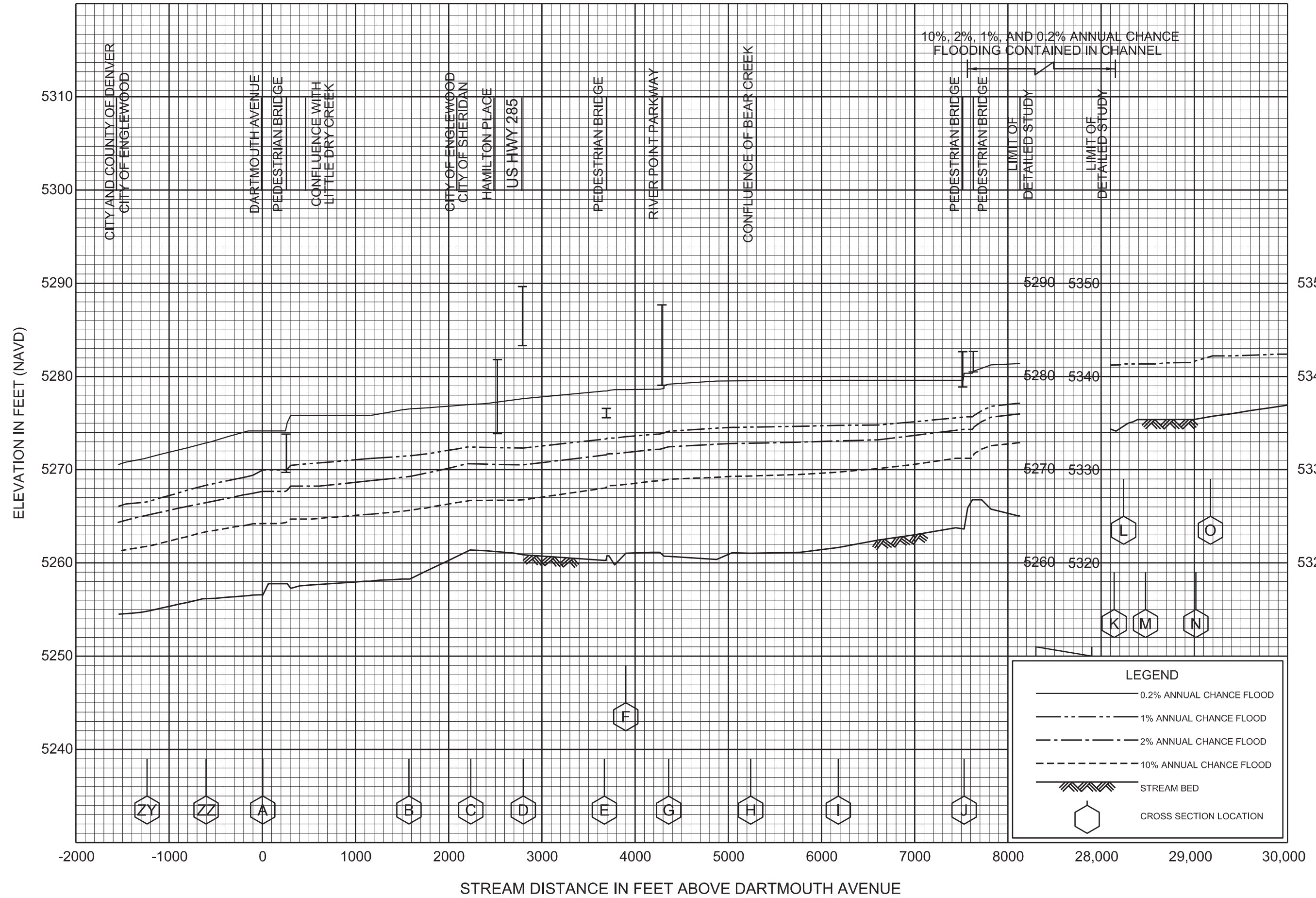


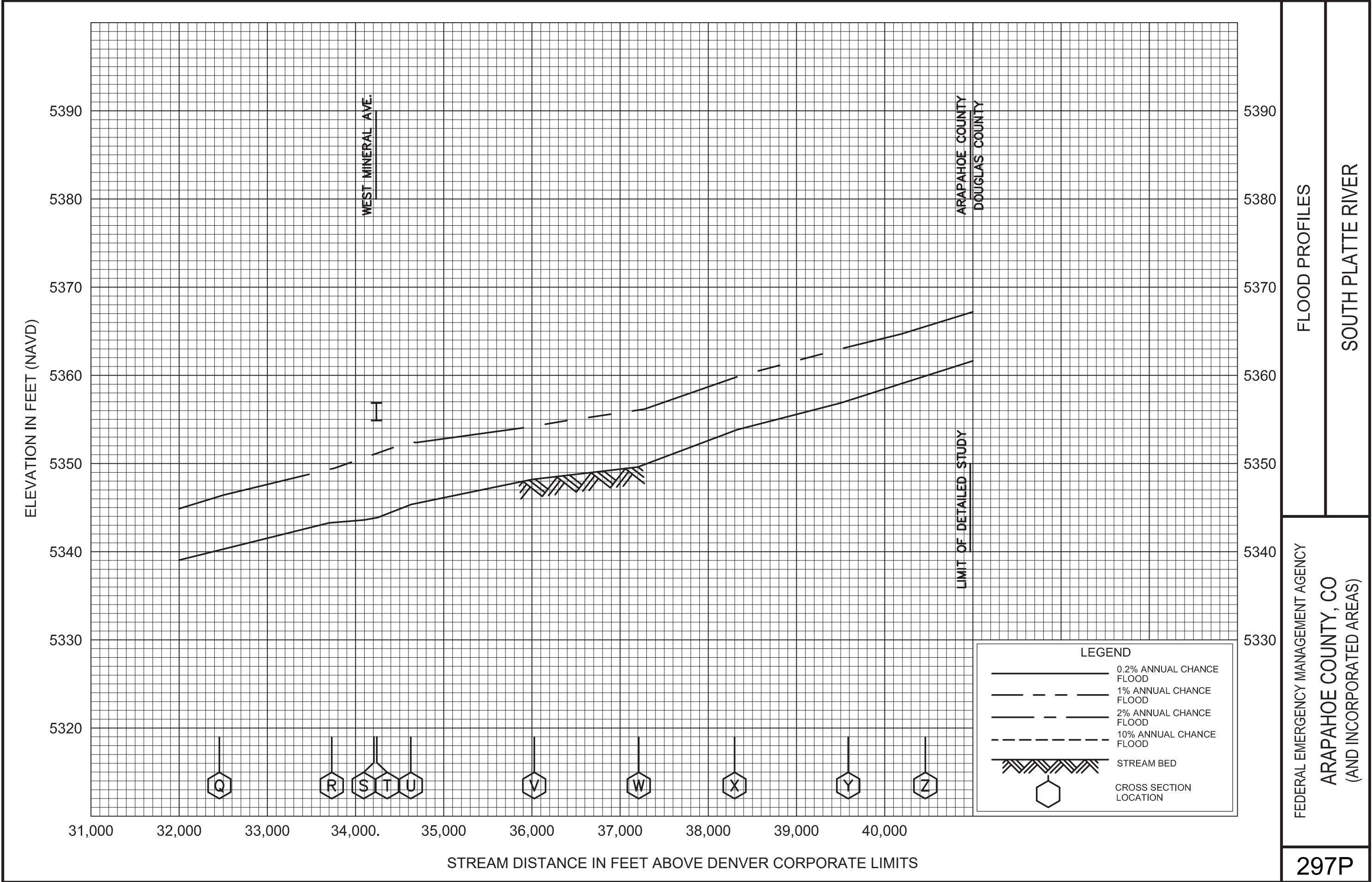


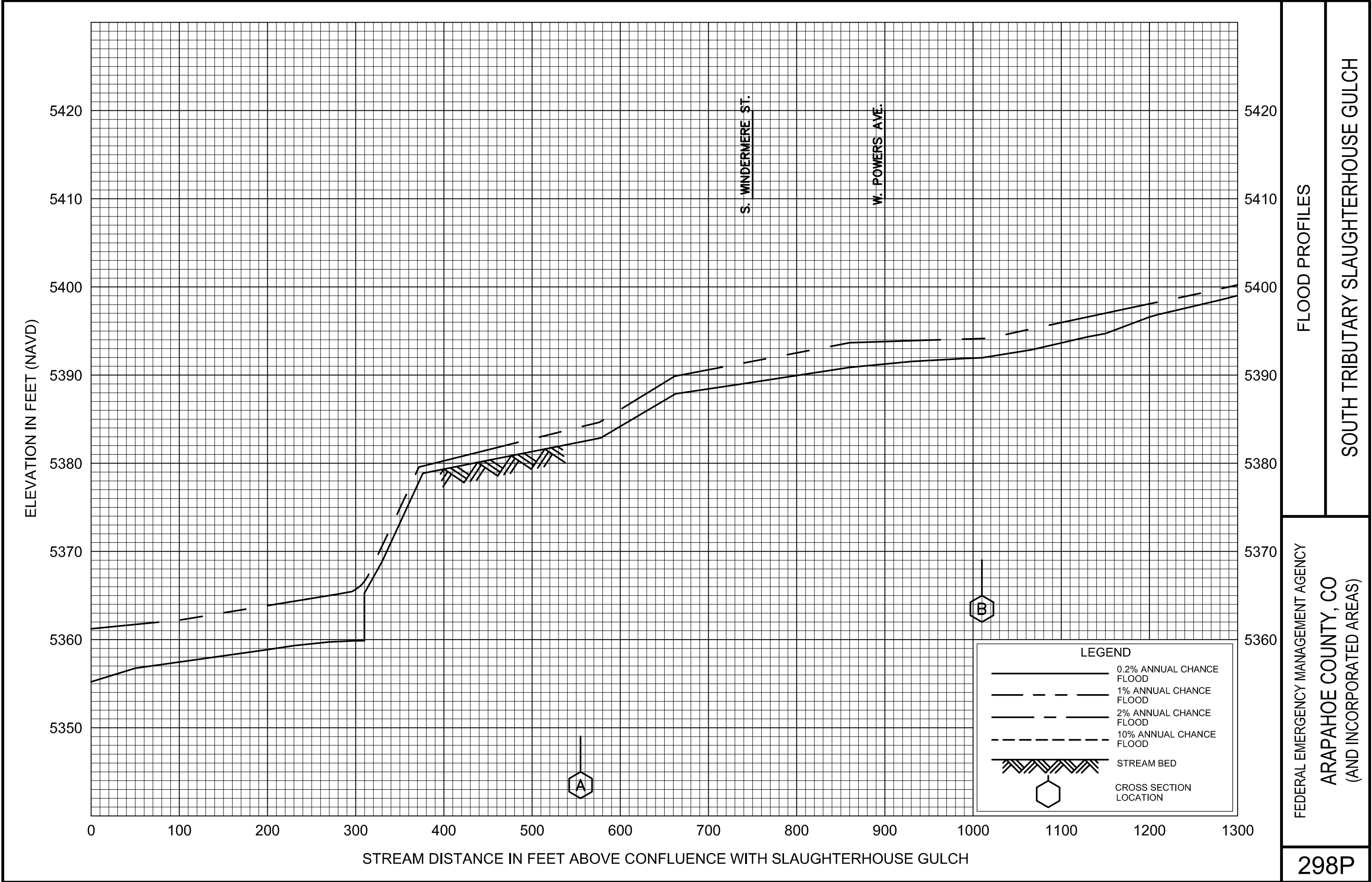
FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

FLOOD PROFILES

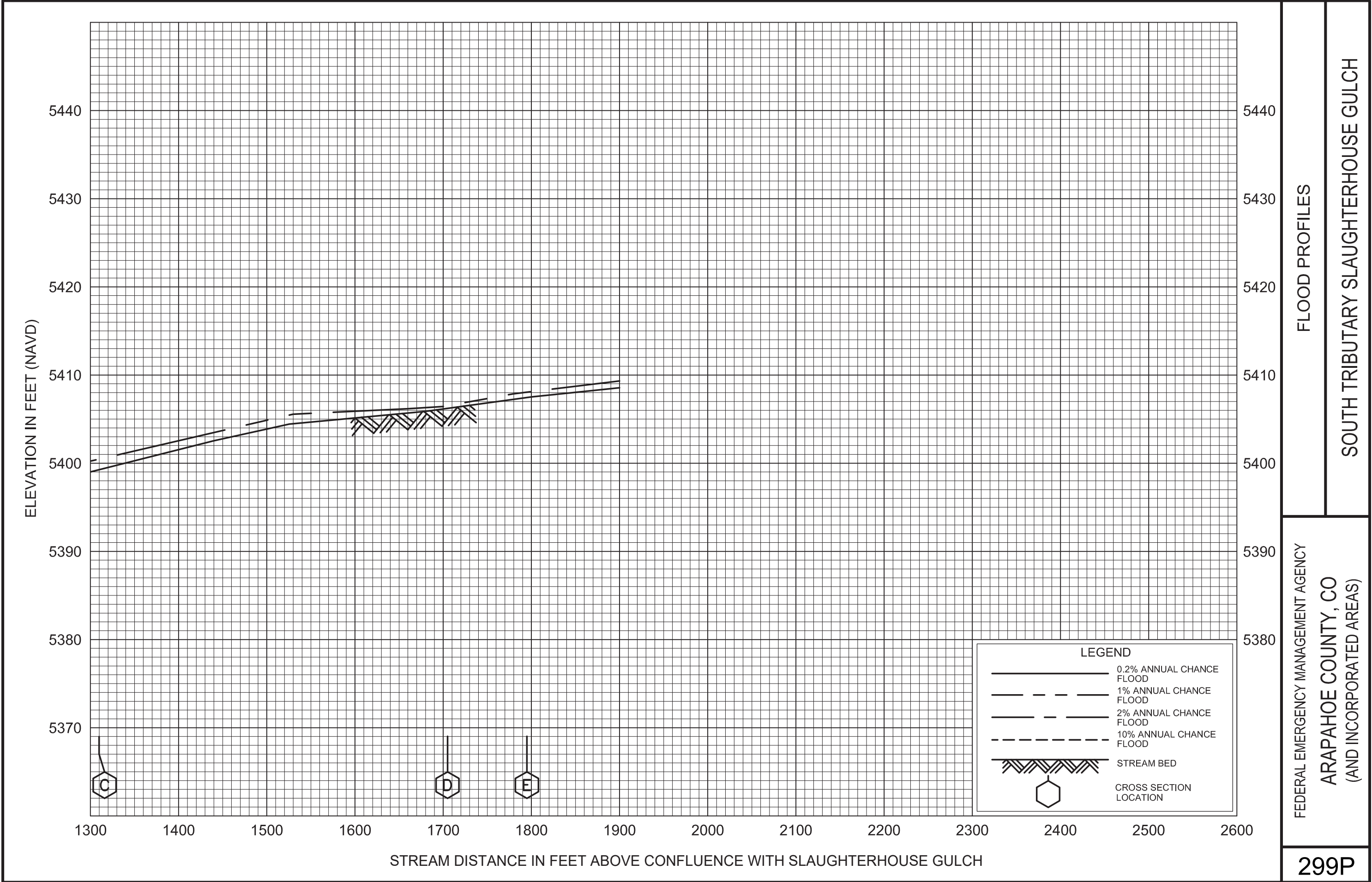
SLAUGHTERHOUSE GULCH







FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)



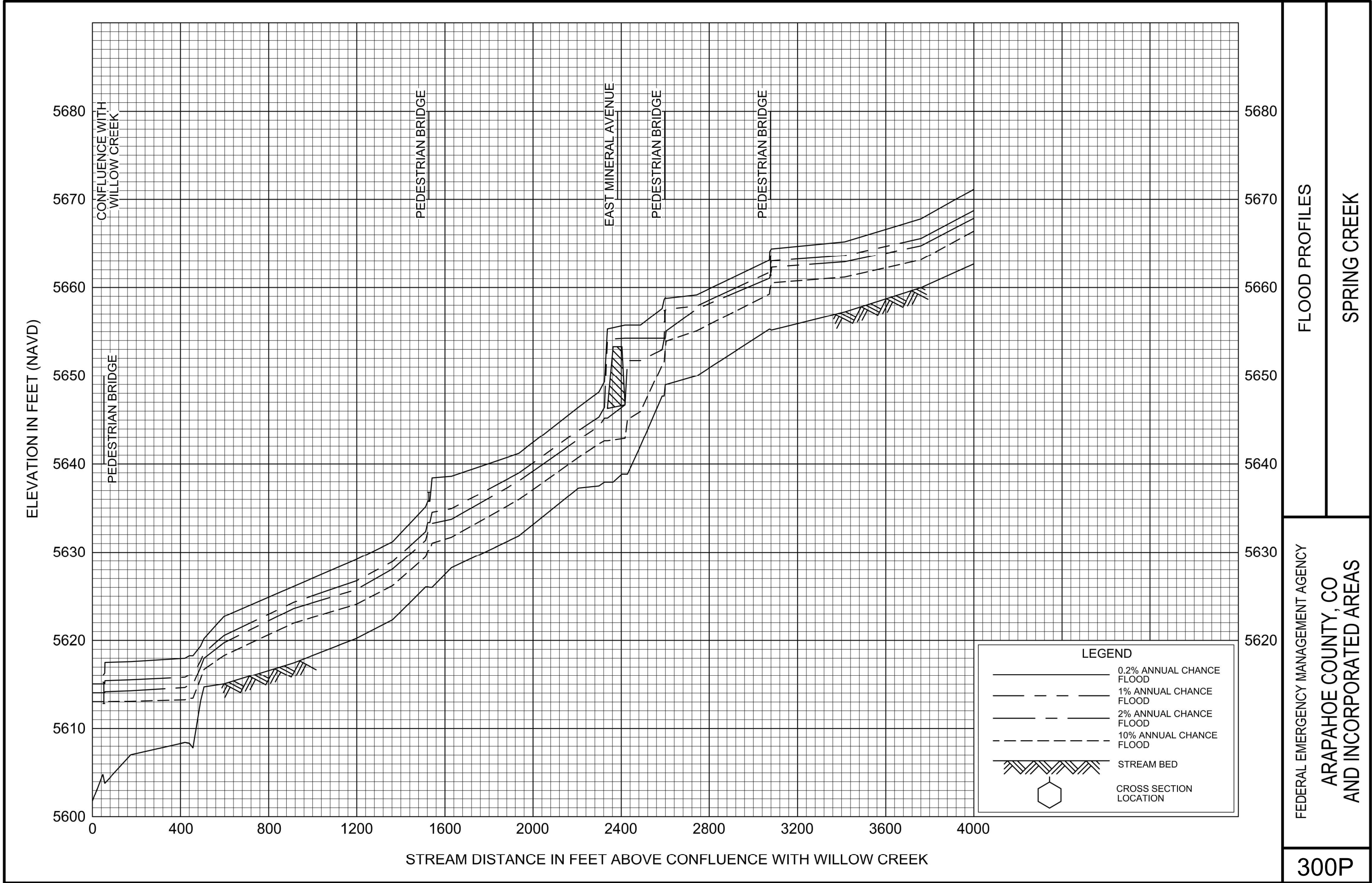
FLOOD PROFILES

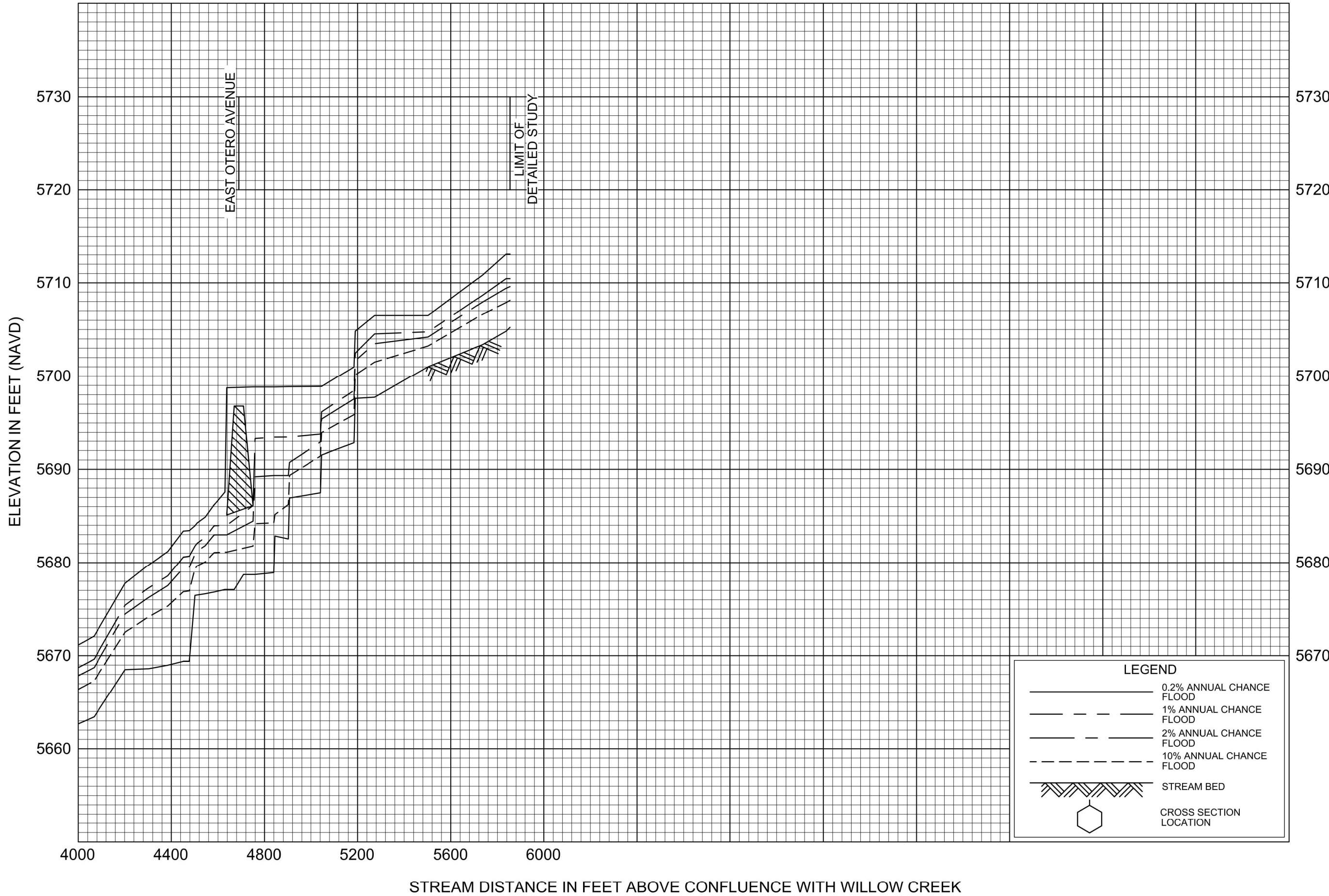
SOUTH TRIBUTARY SLAUGHTERHOUSE GULCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

299P

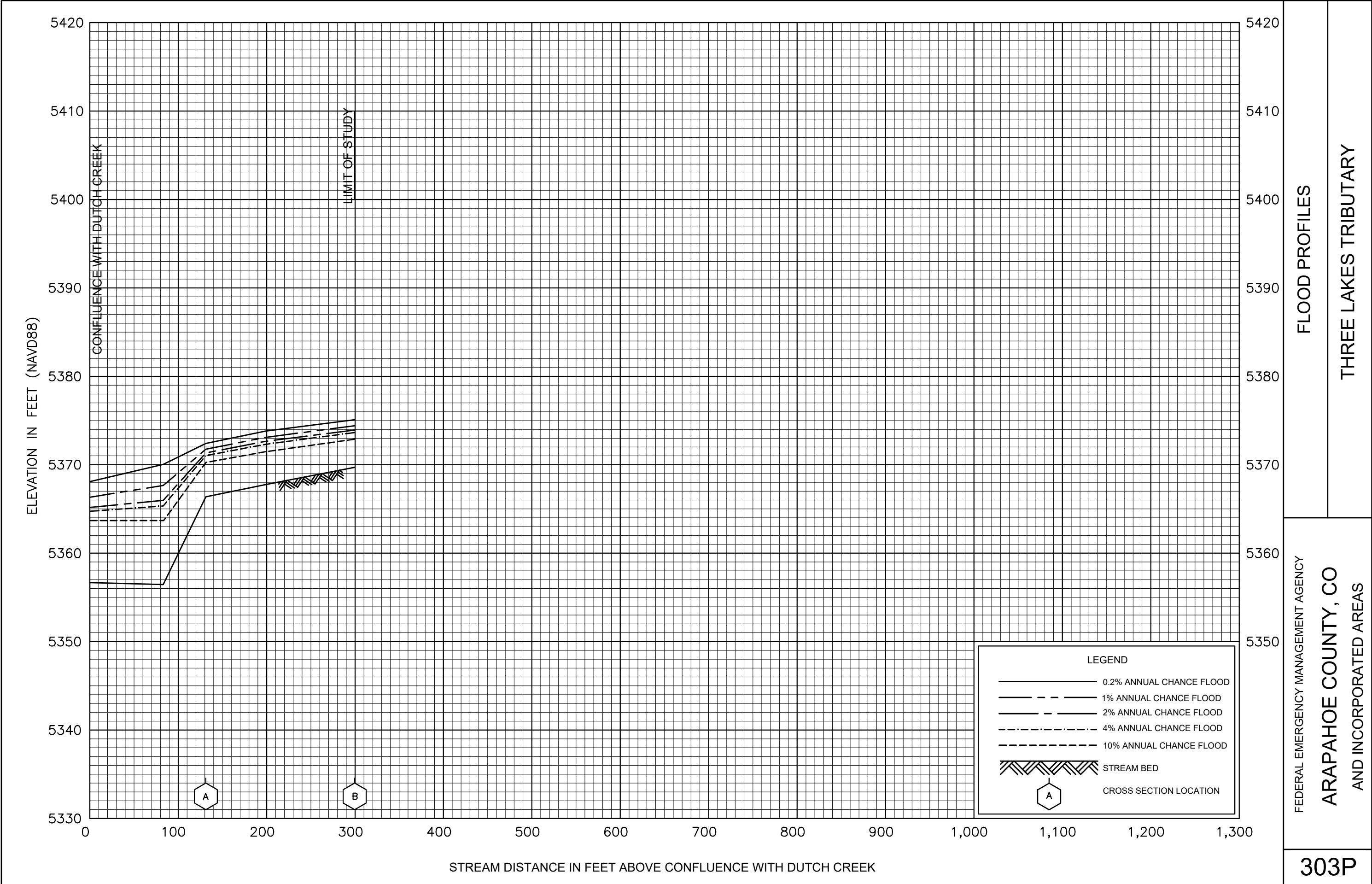




FLOOD PROFILES

SPRING CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS



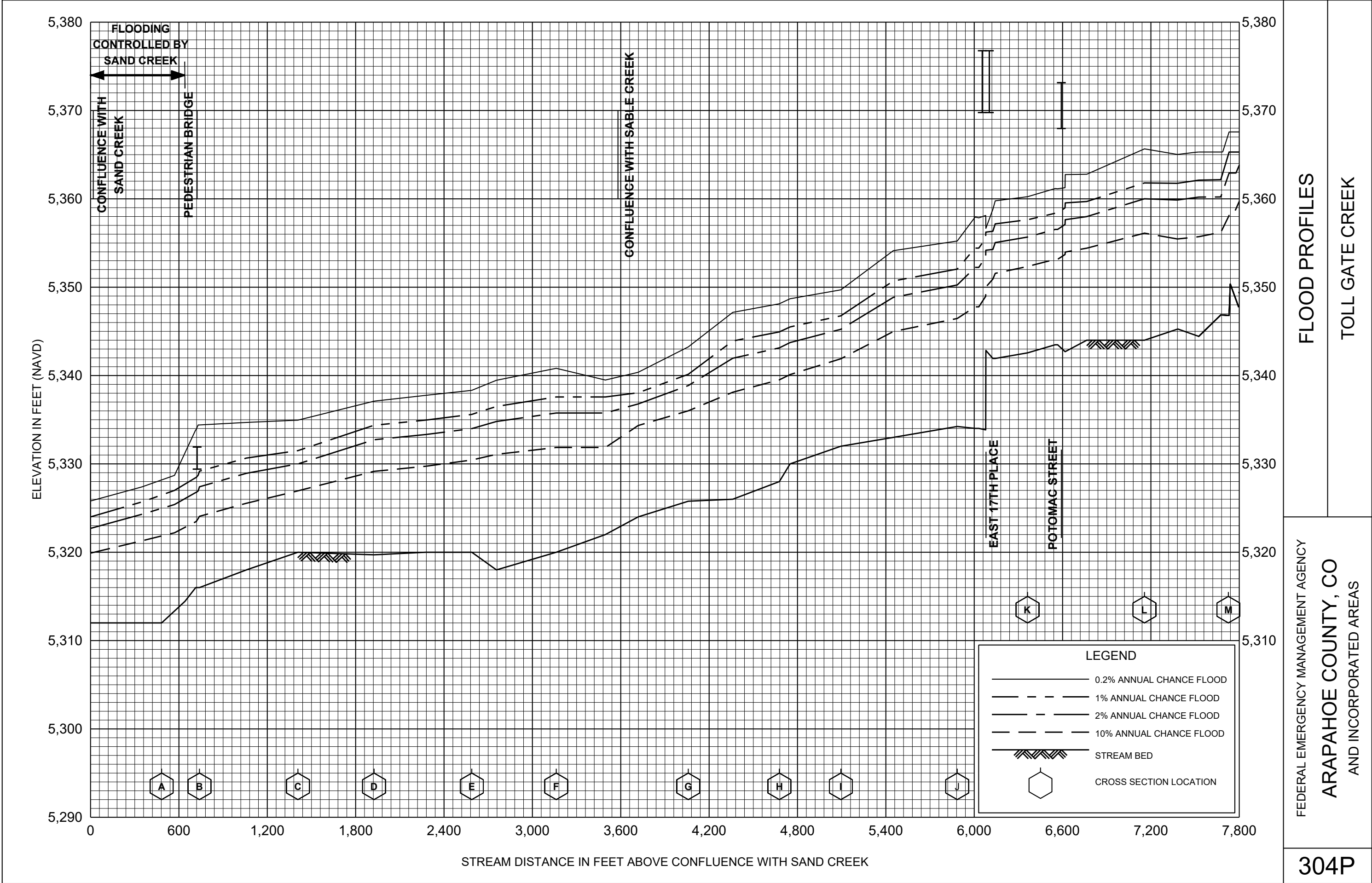
FLOOD PROFILES

THREE LAKES TRIBUTARY

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO

AND INCORPORATED AREAS

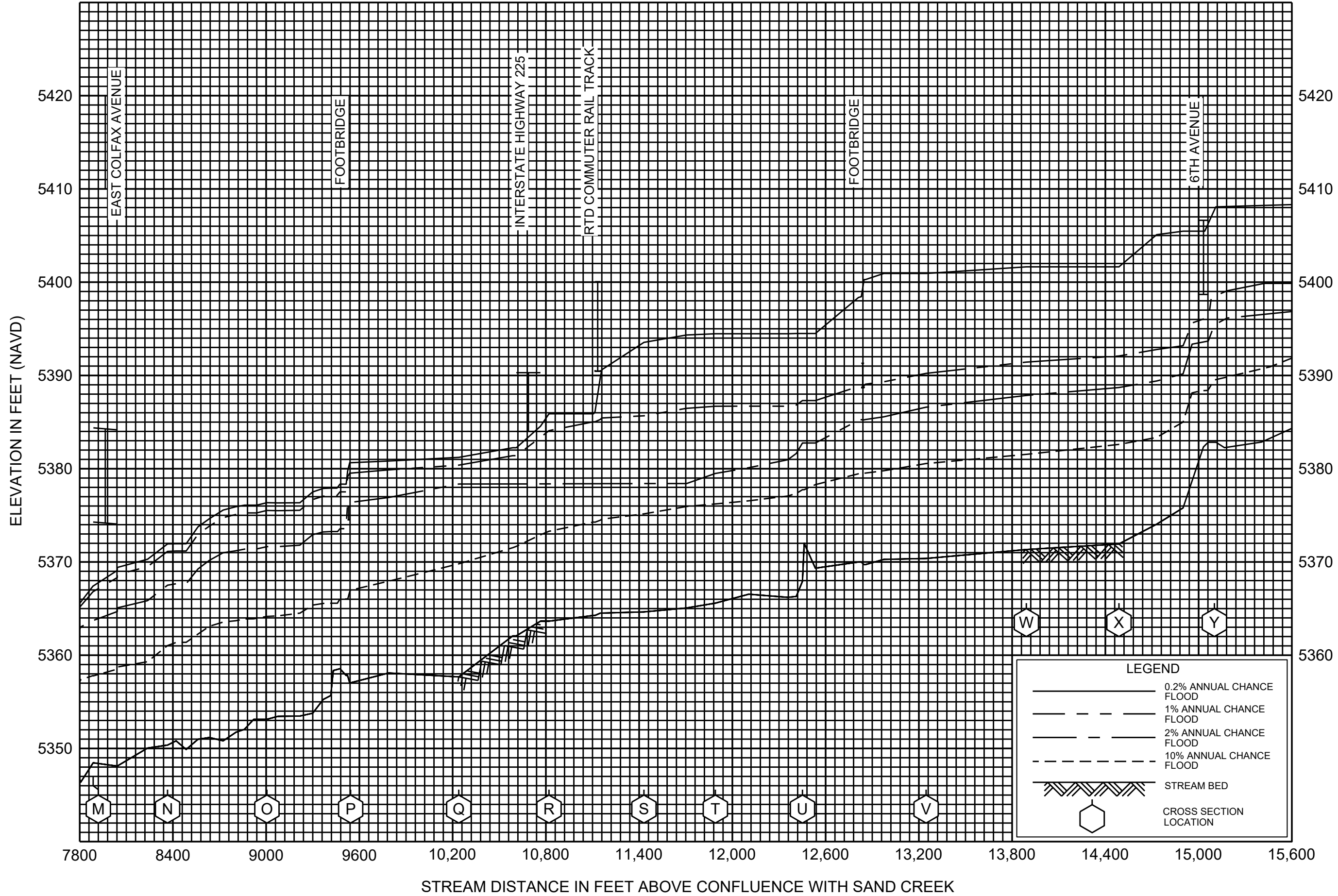


FLOOD PROFILES

TOLL GATE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS



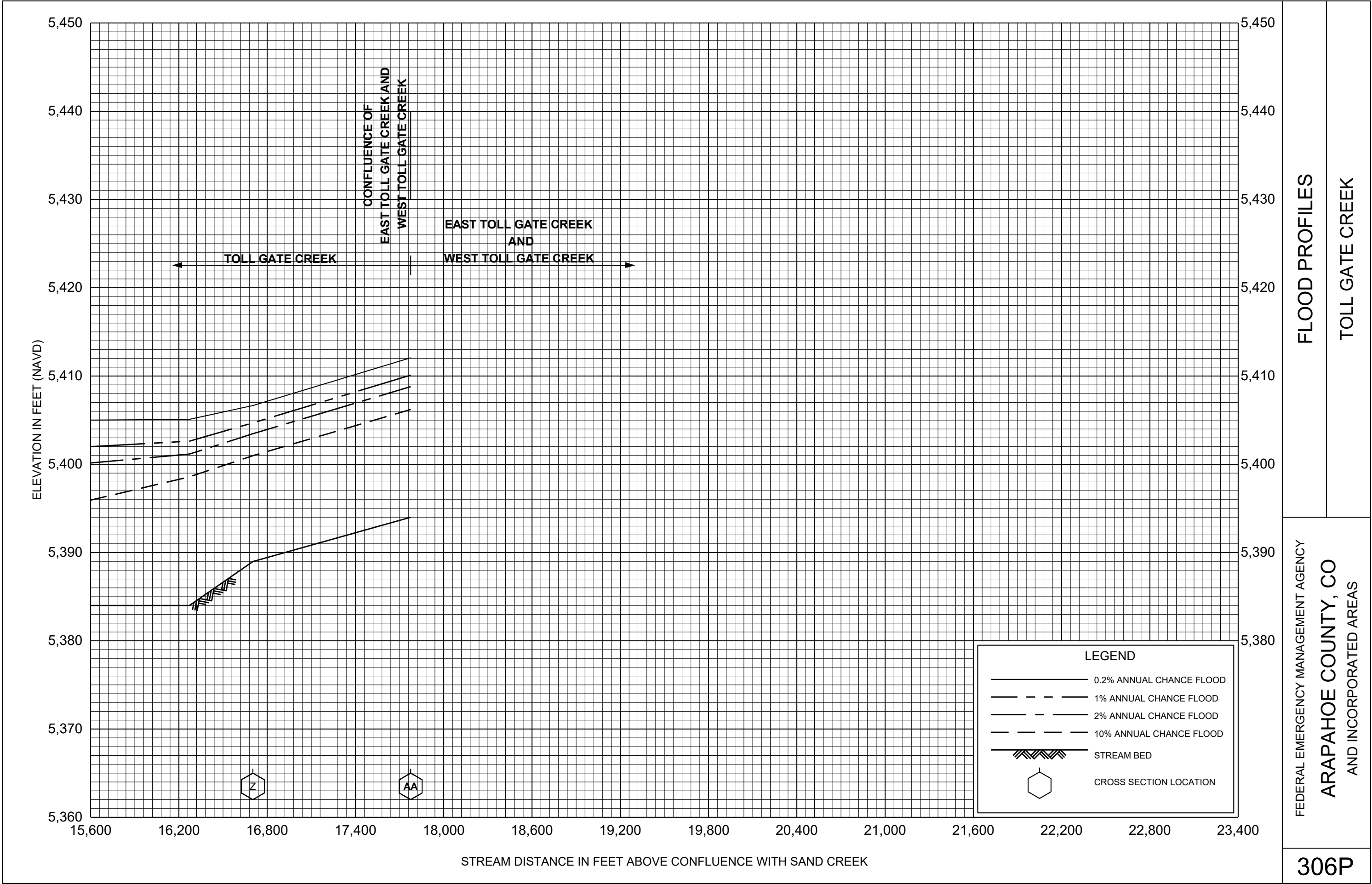
FLOOD PROFILES

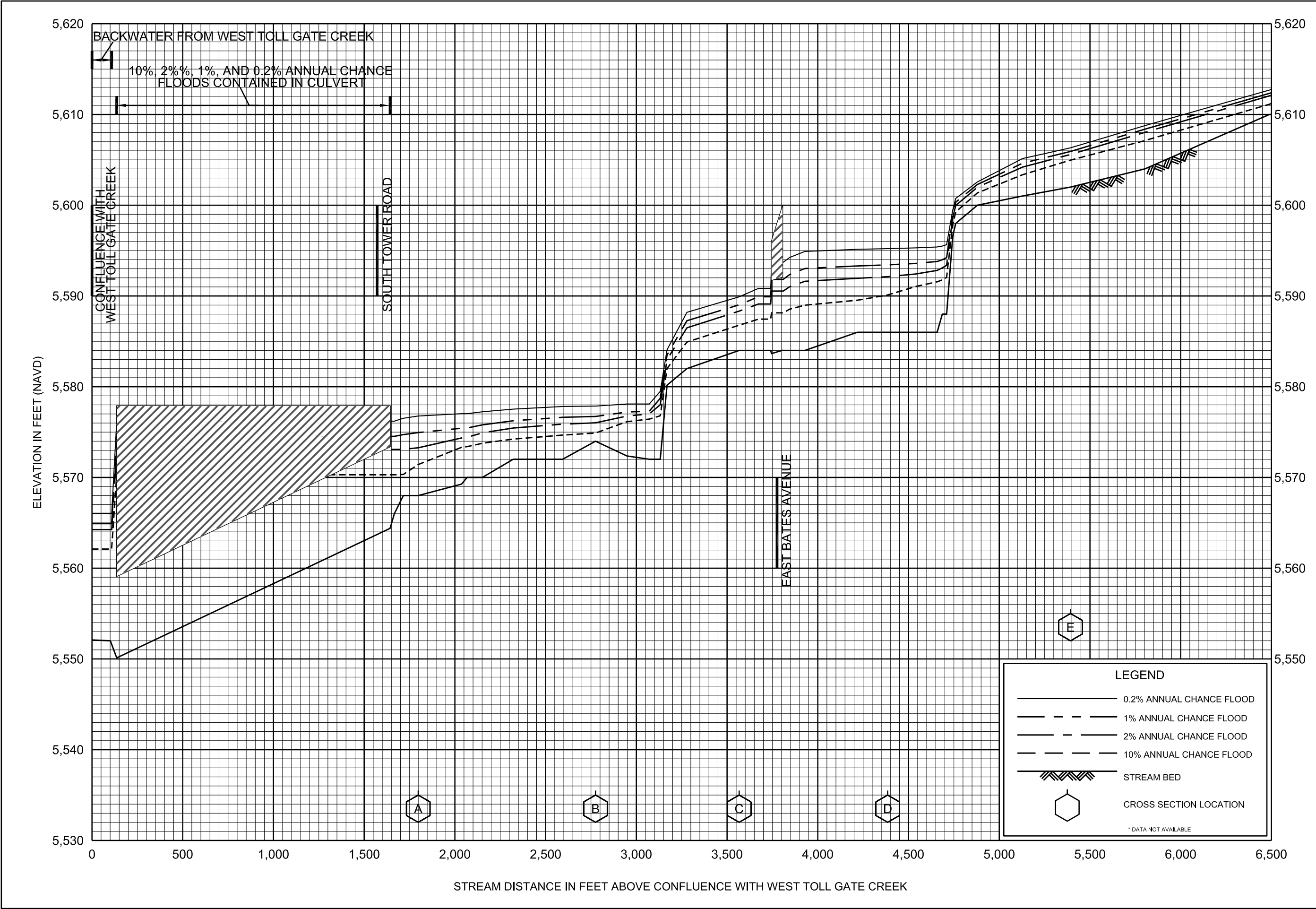
TOLL GATE CREEK

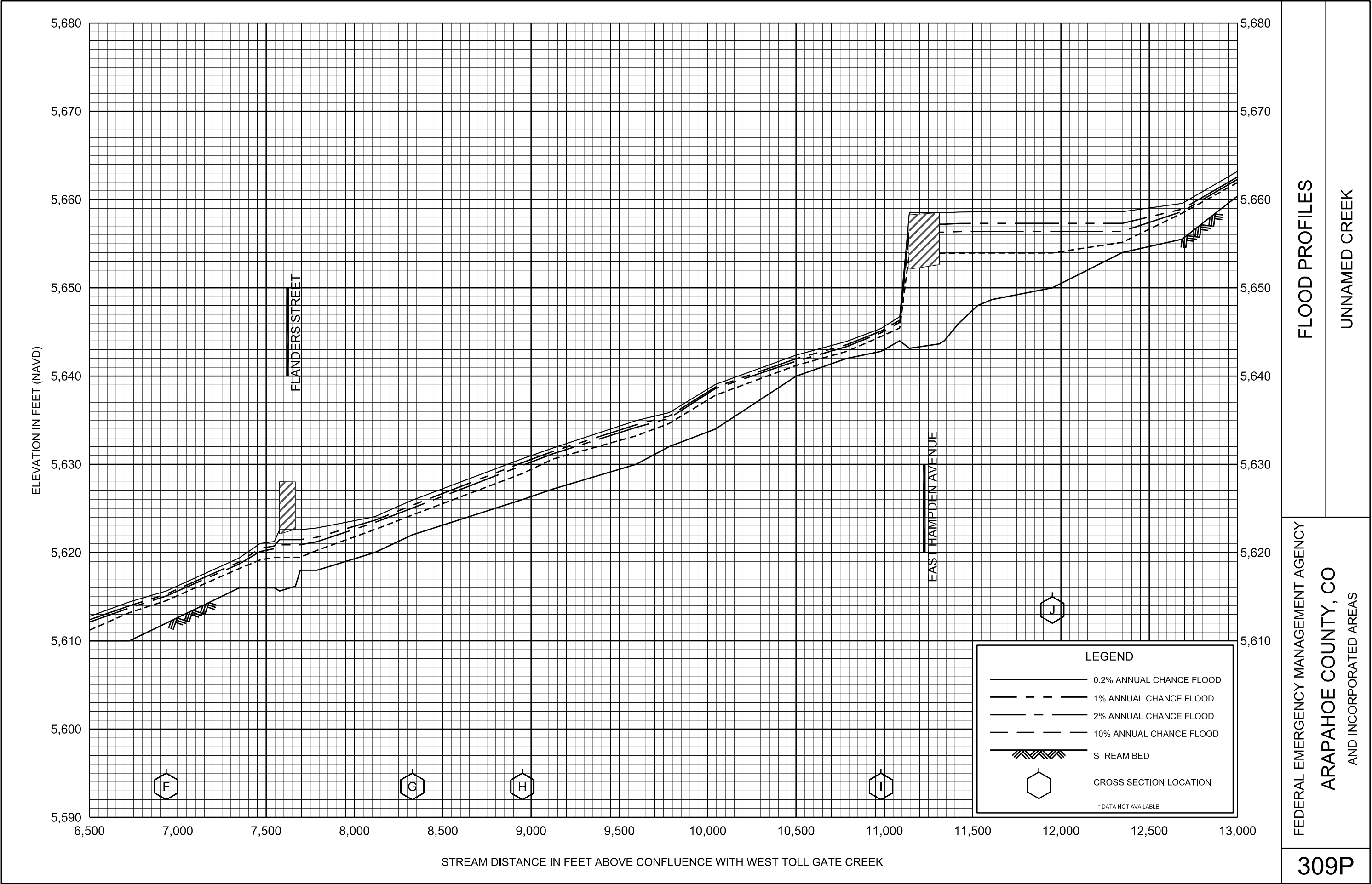
FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO

AND INCORPORATED AREAS





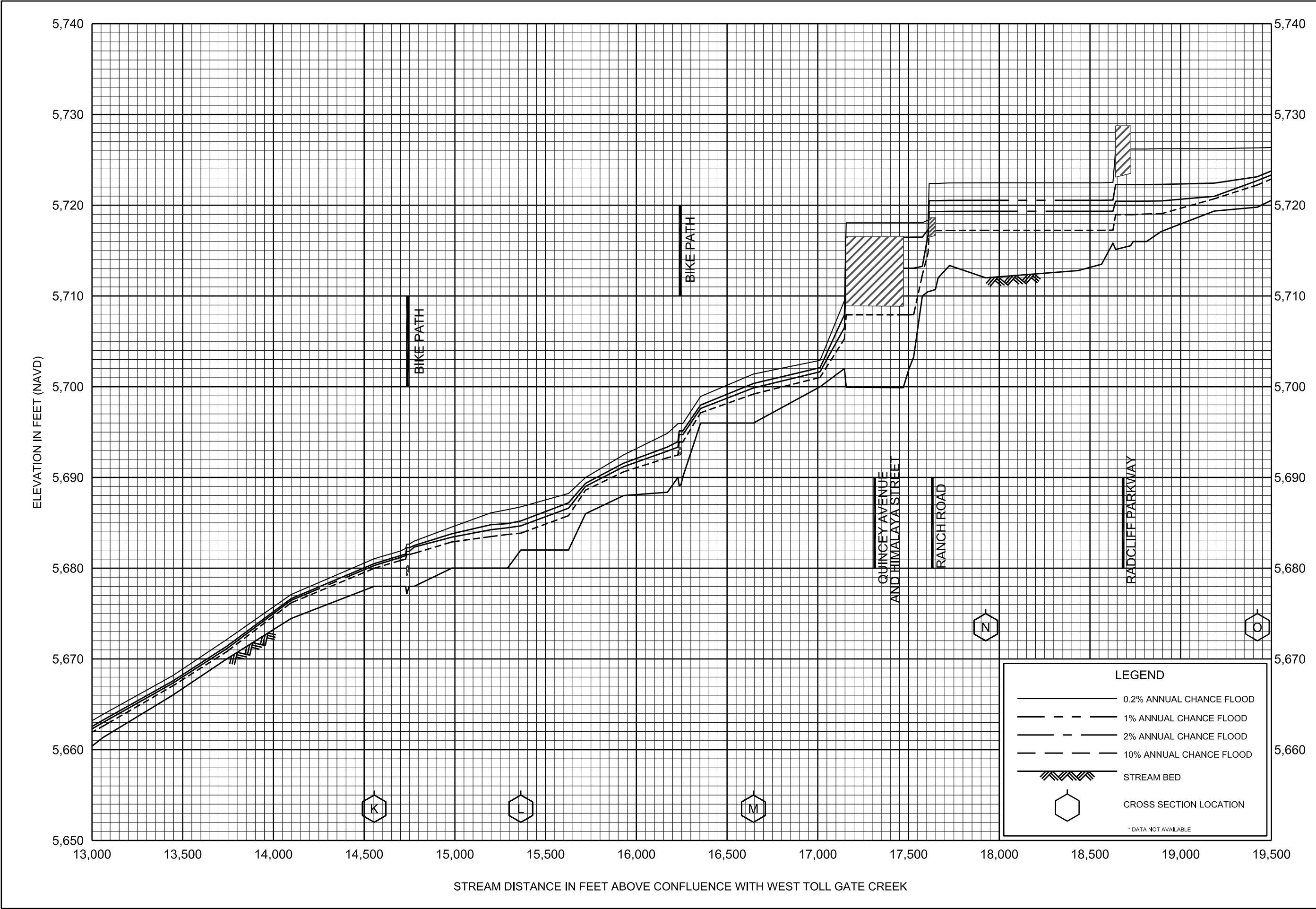


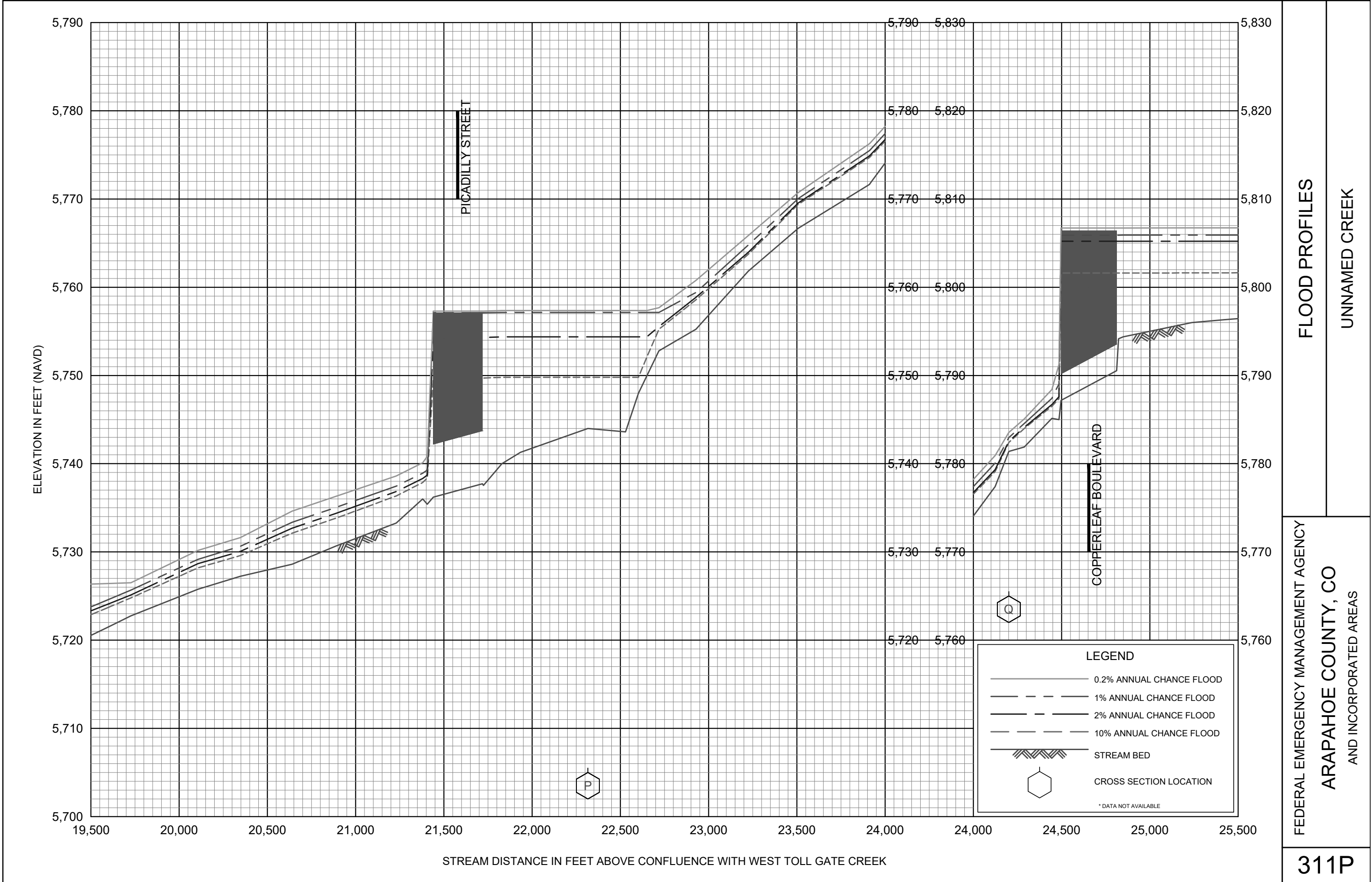
FLOOD PROFILES

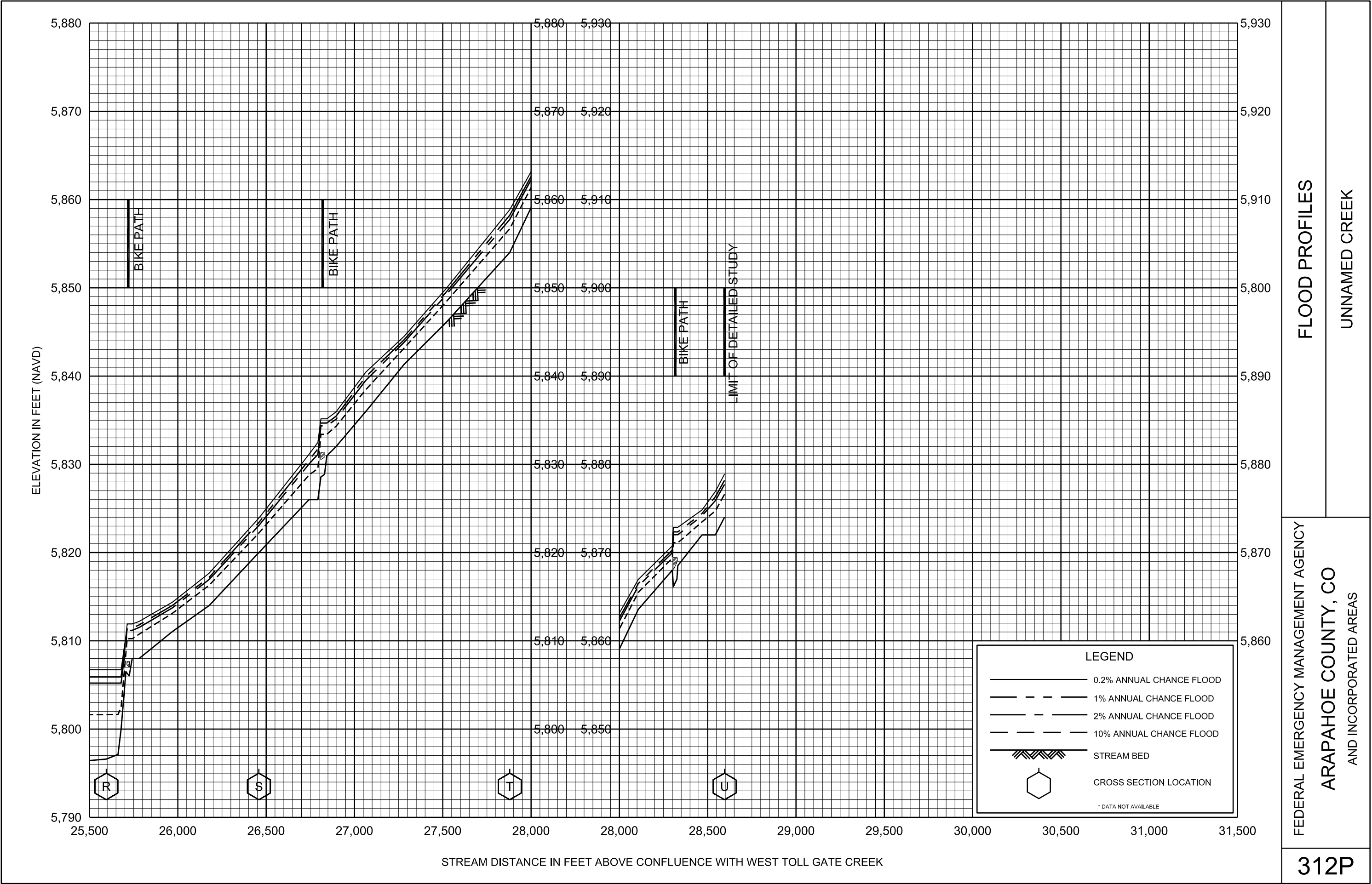
UNNAMED CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS





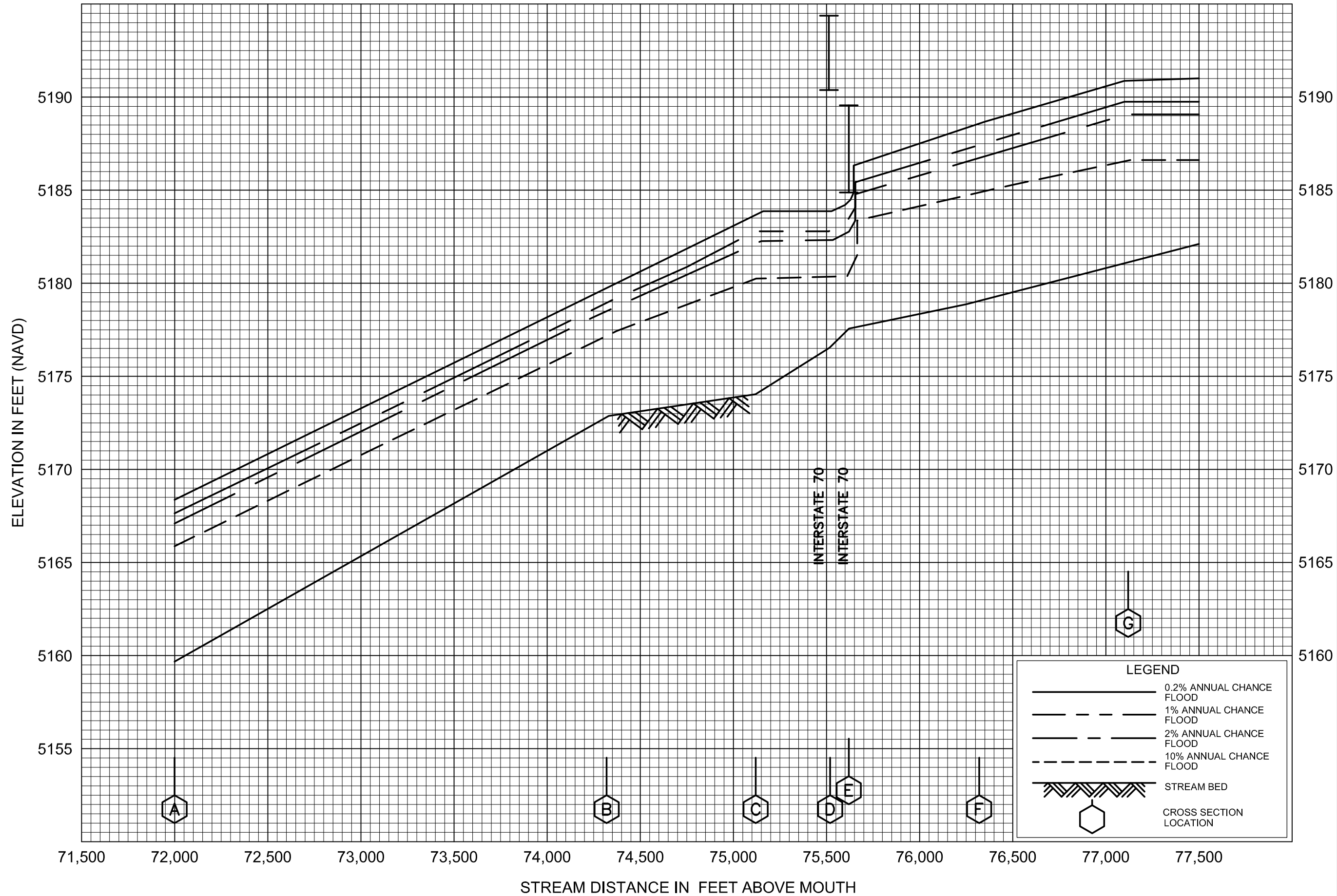


FLOOD PROFILES

UNNAMED CREEK

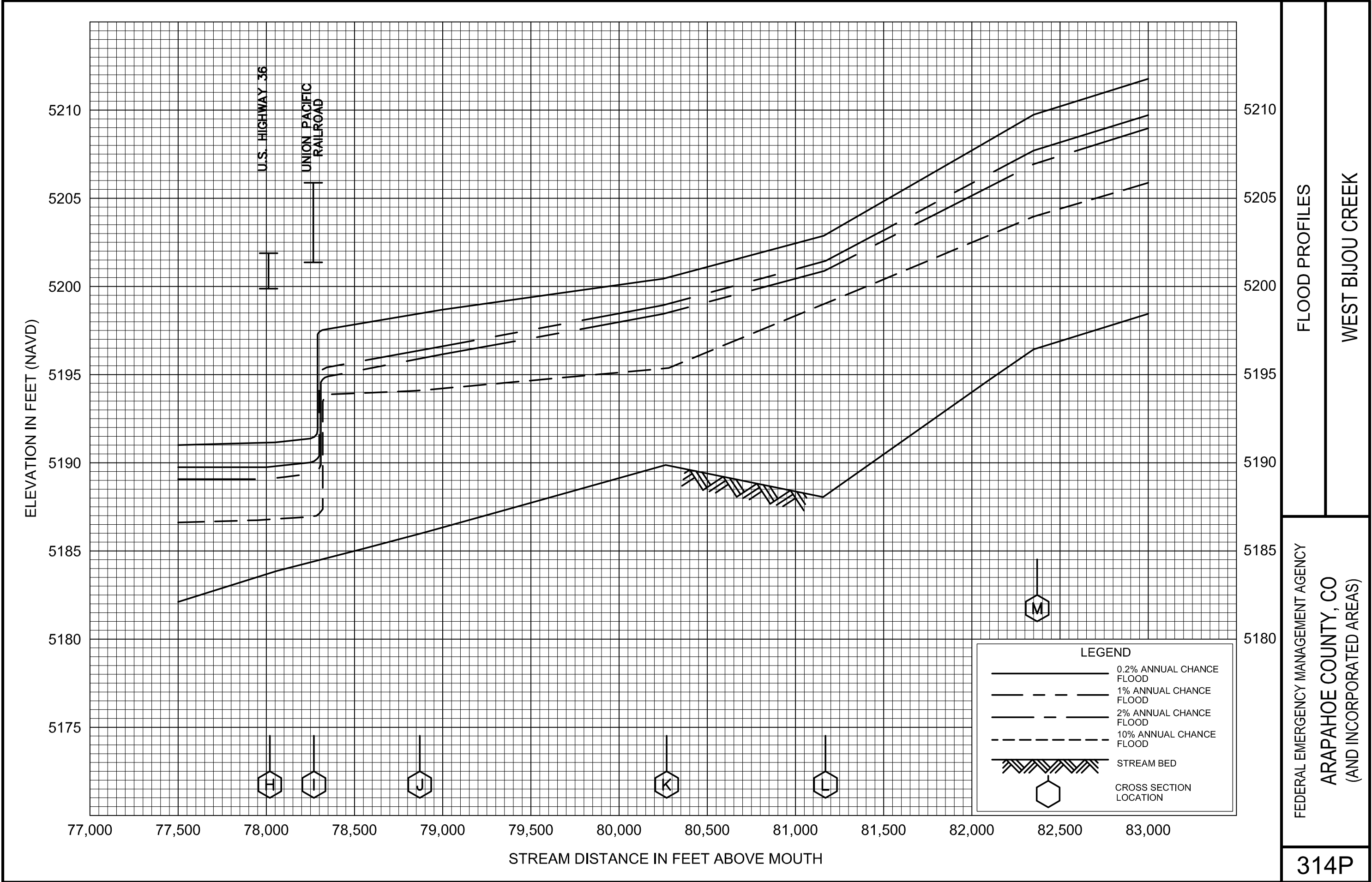
FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS



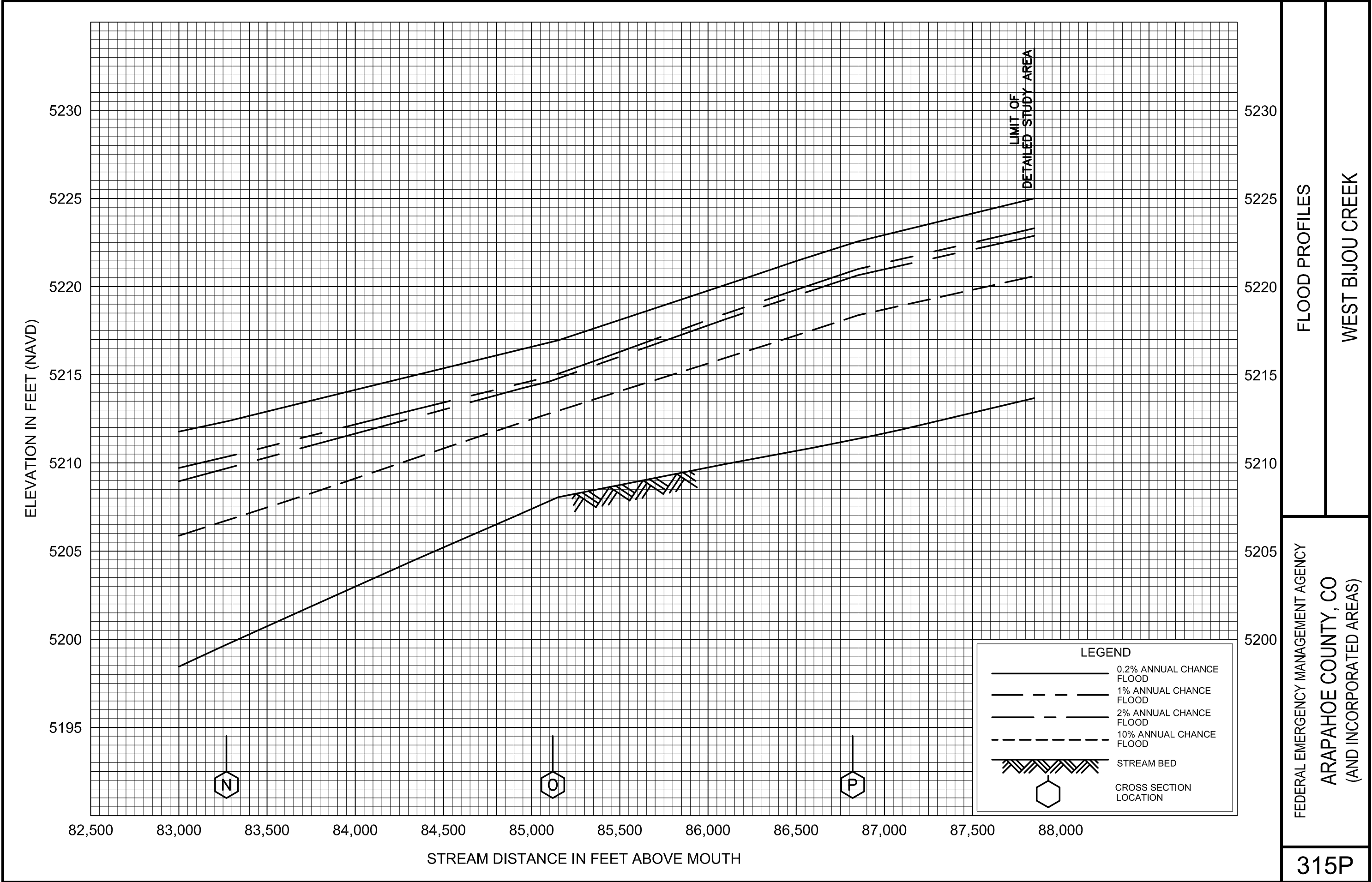
FLOOD PROFILES
WEST BIJOU CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)



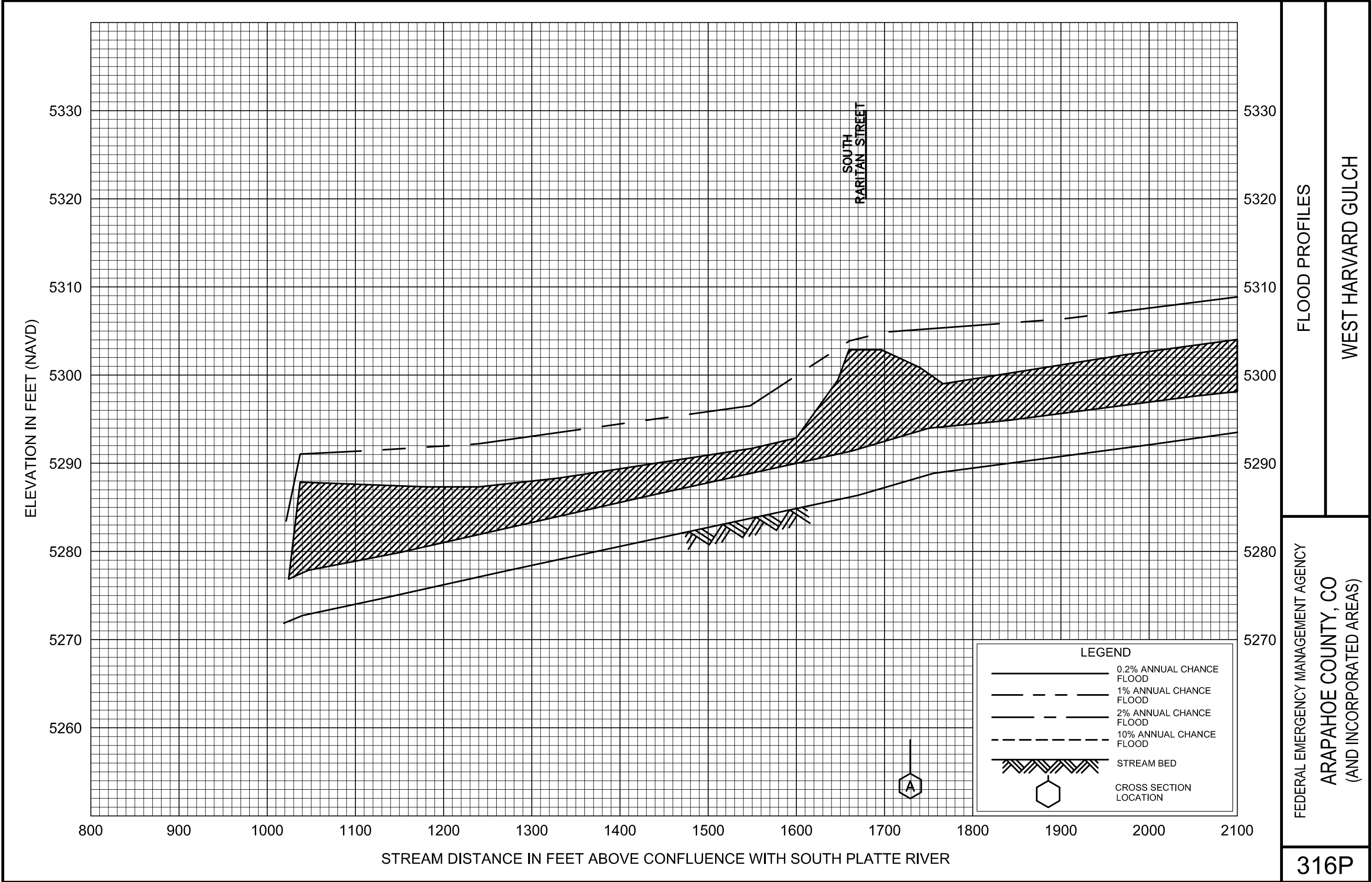
FLOOD PROFILES
WEST BIJOU CREEK

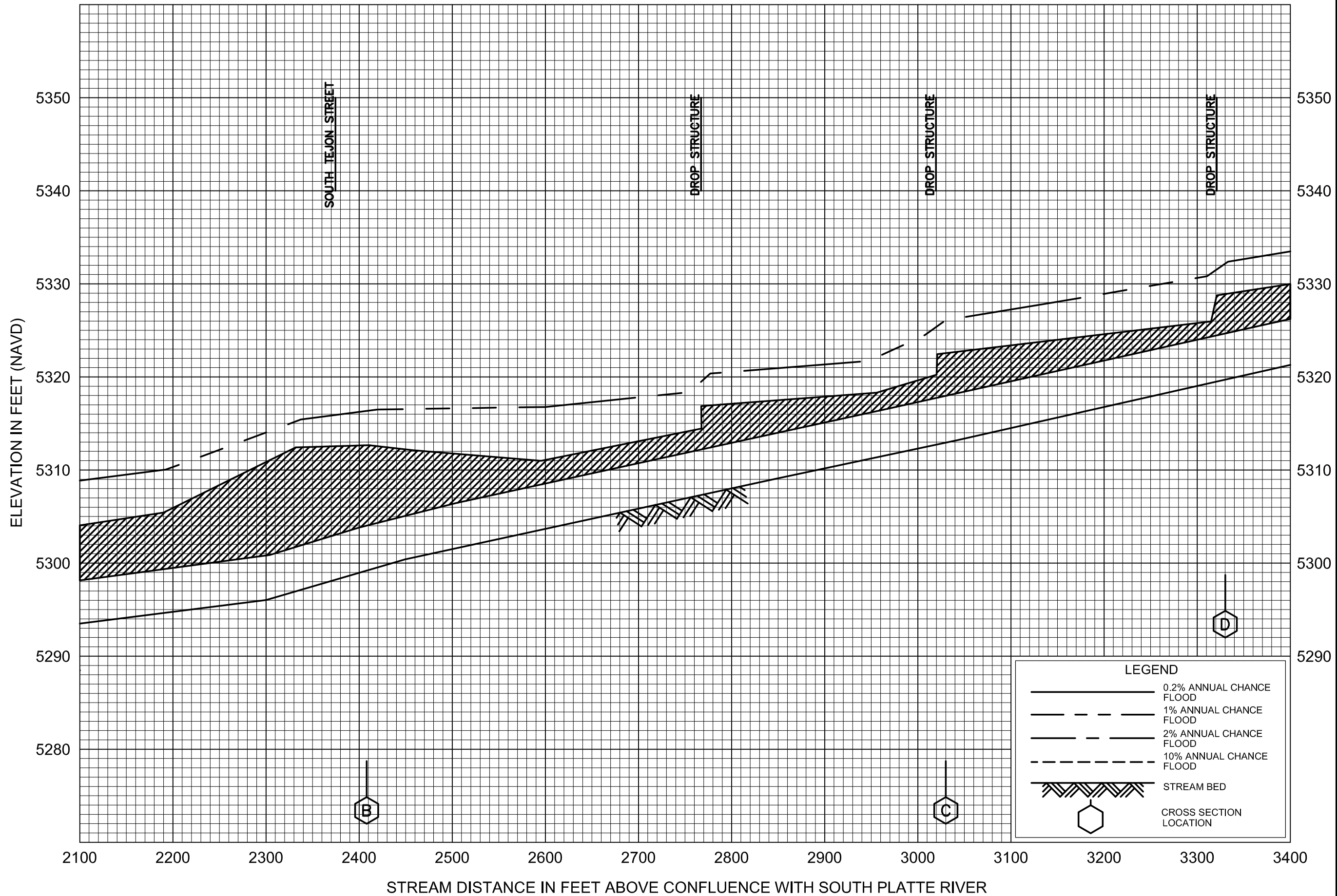
FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)



FLOOD PROFILES
WEST BIJOU CREEK

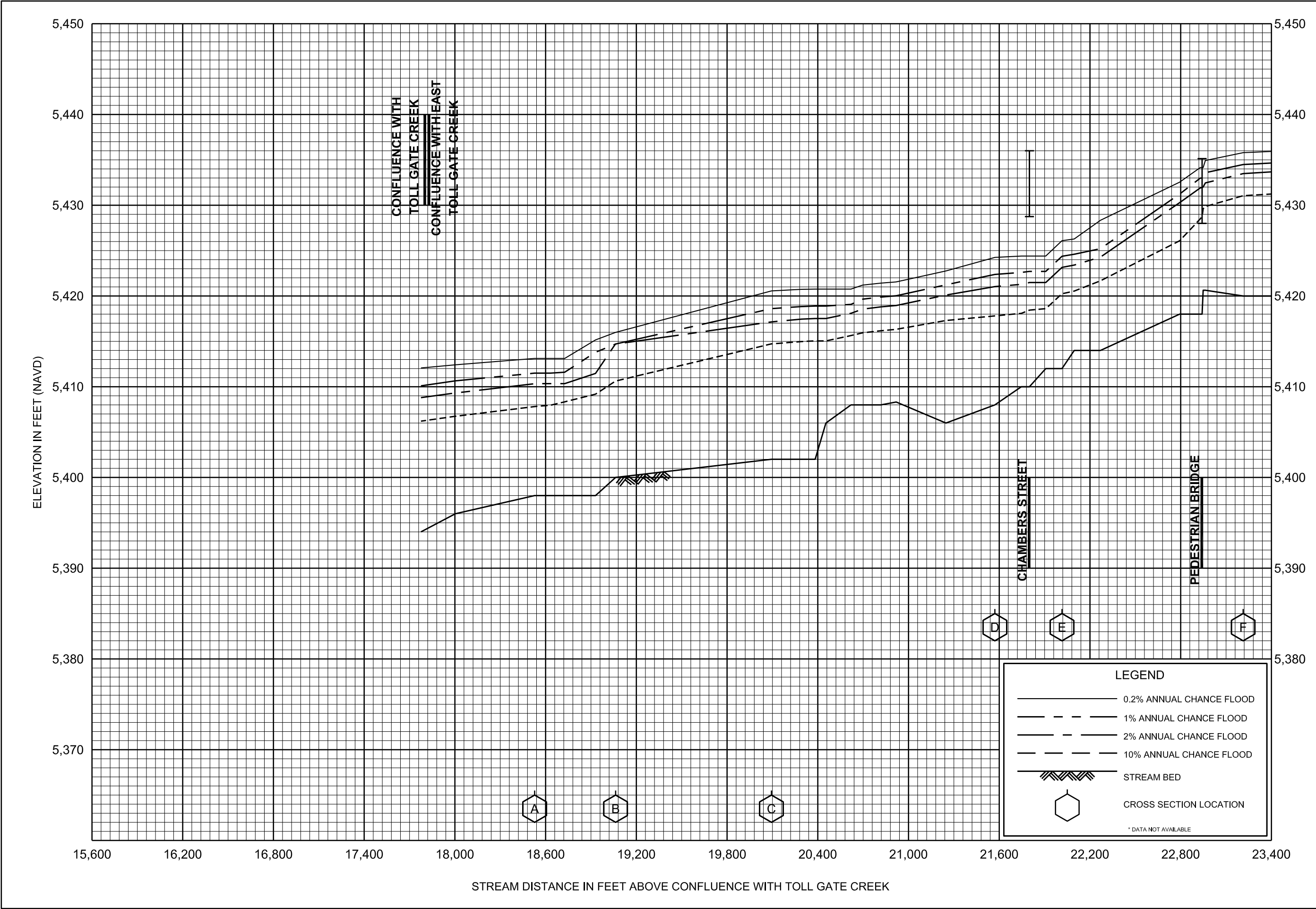
FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

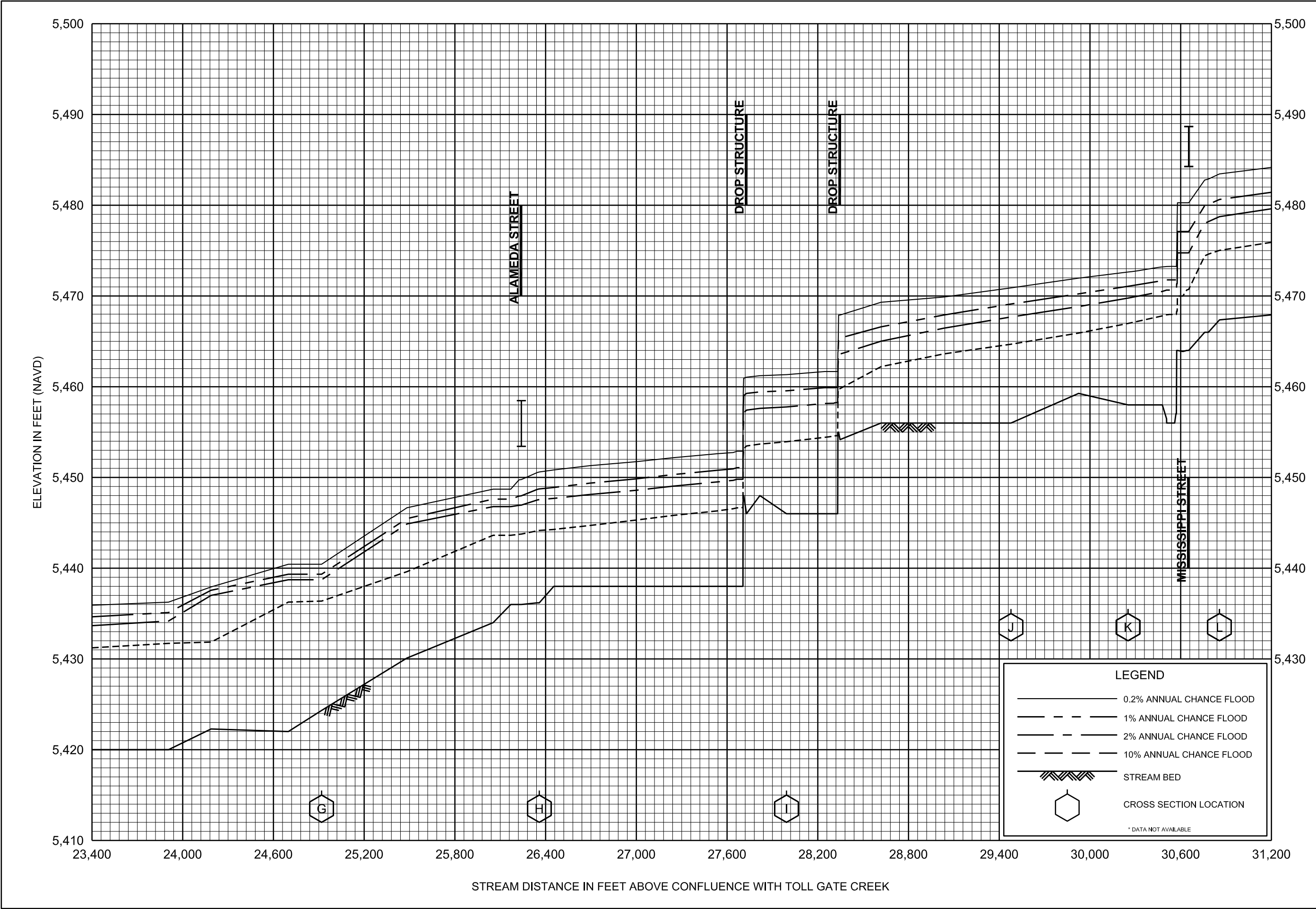


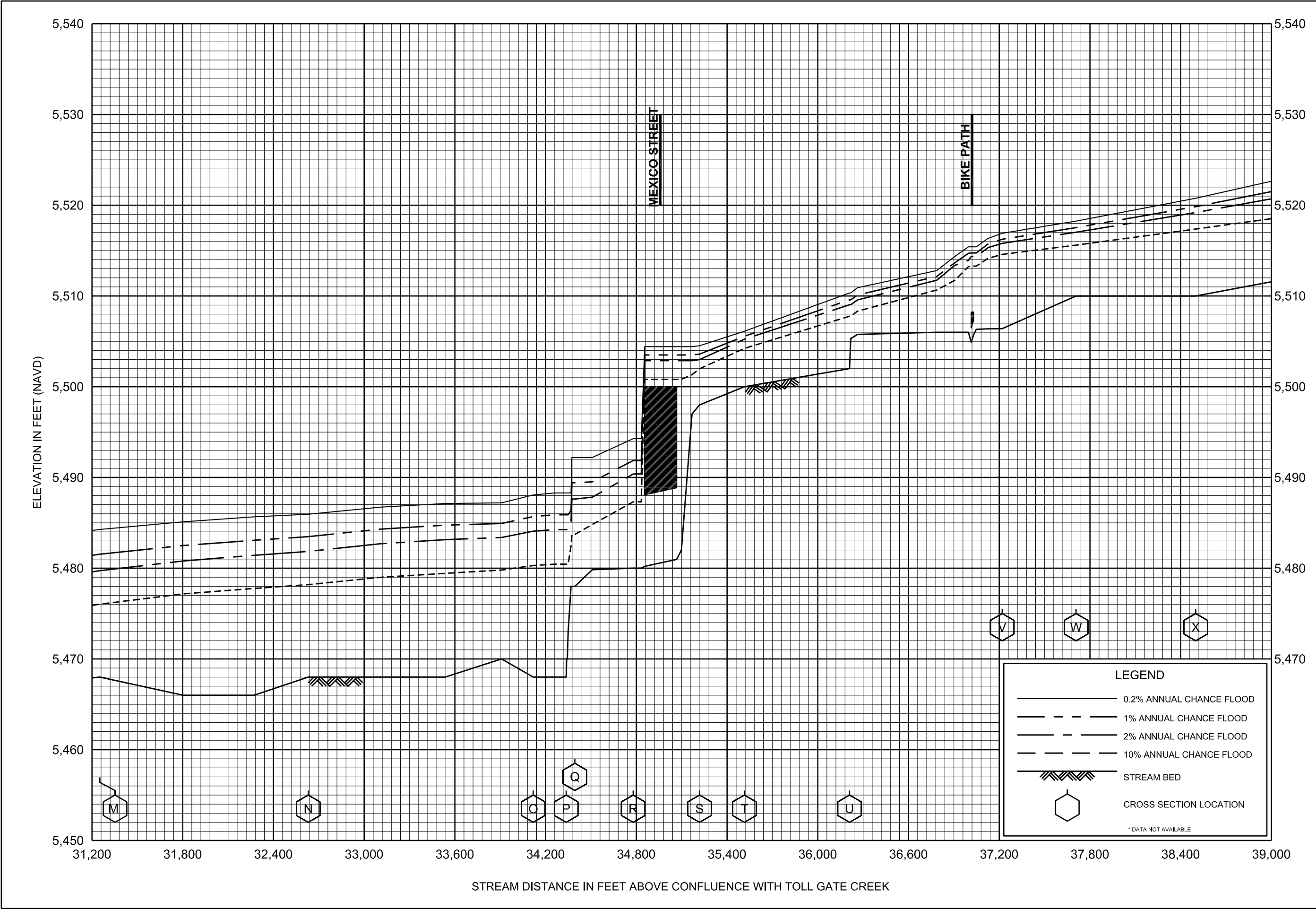


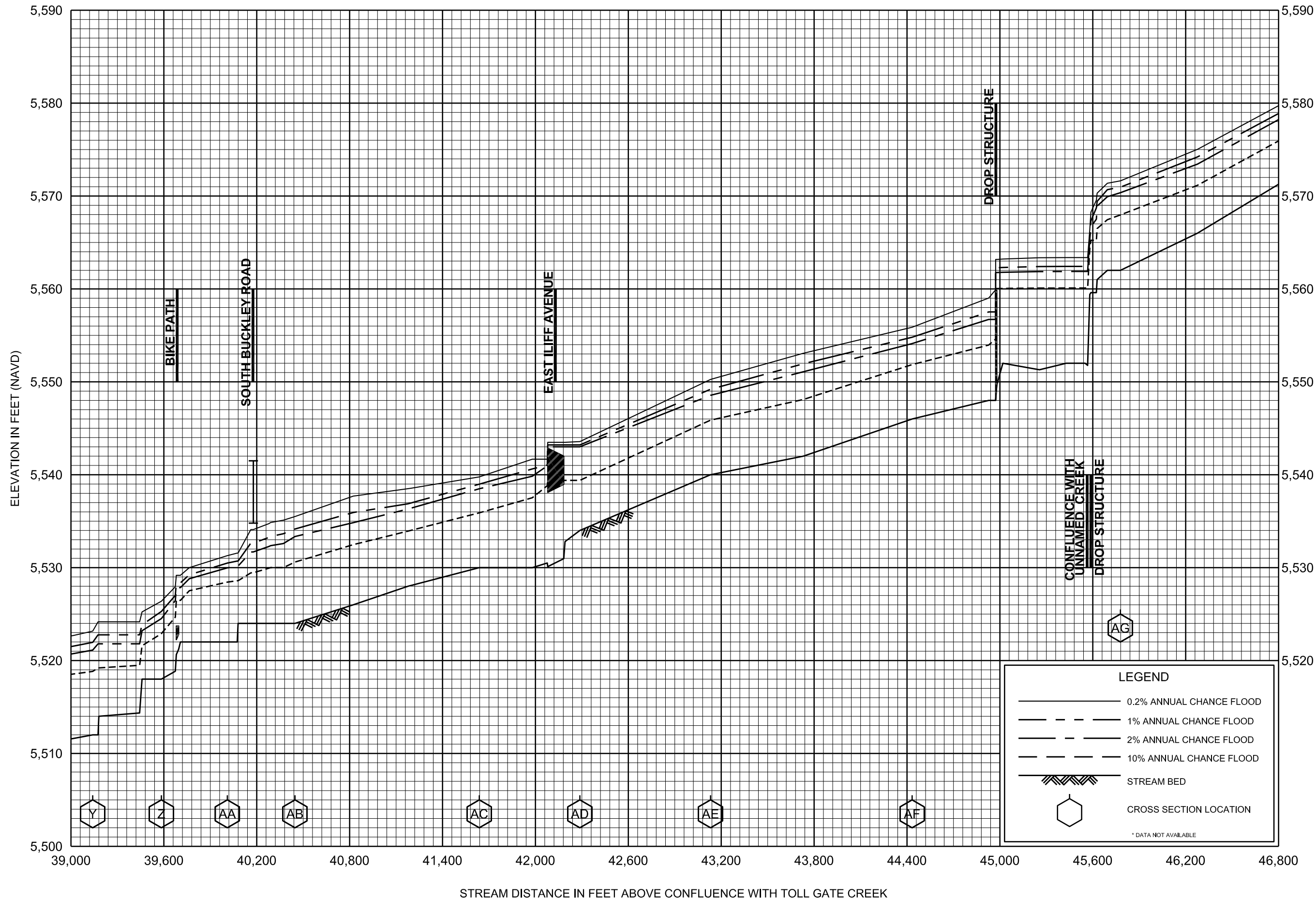
FLOOD PROFILES
WEST HARVARD GULCH

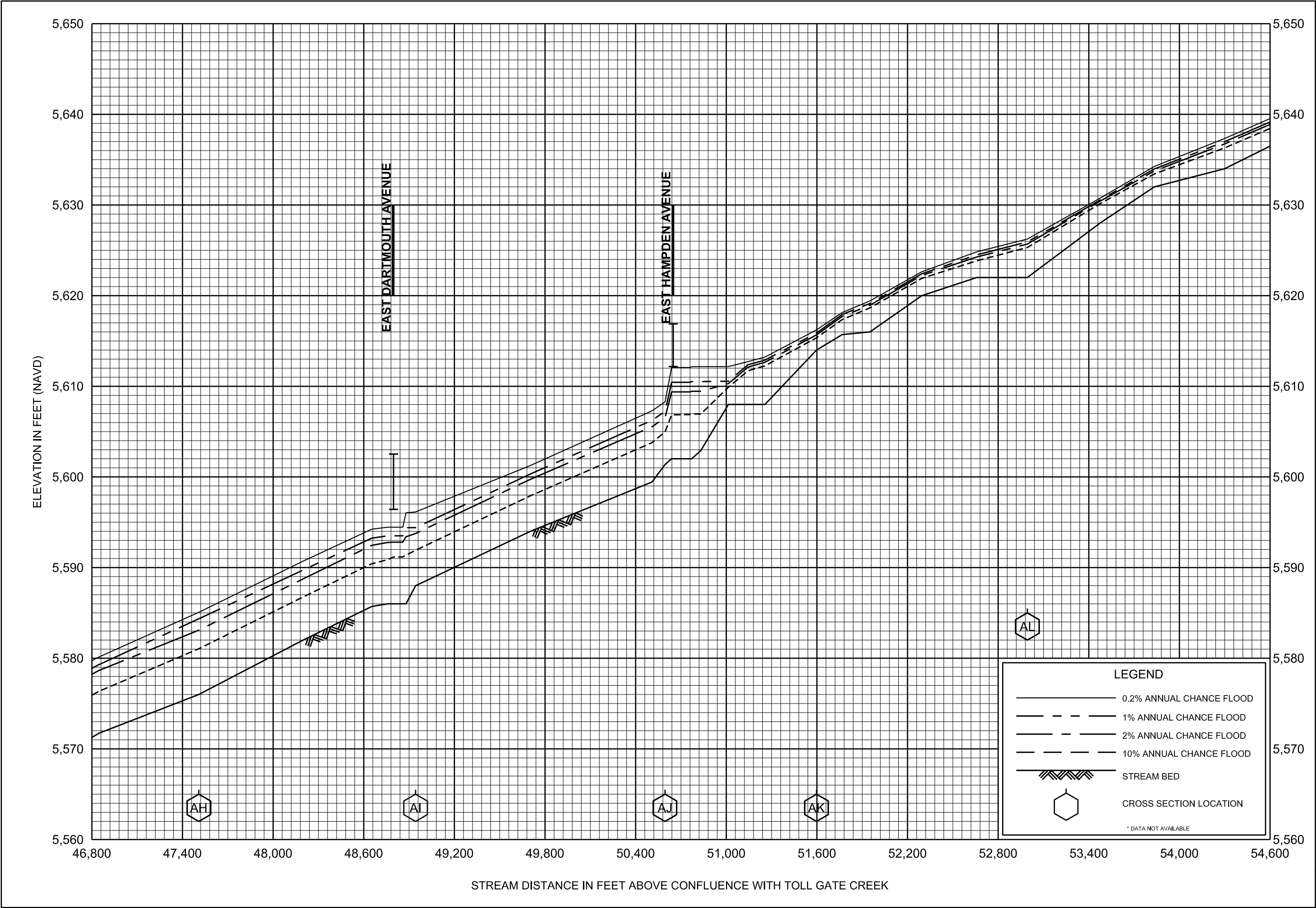
FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

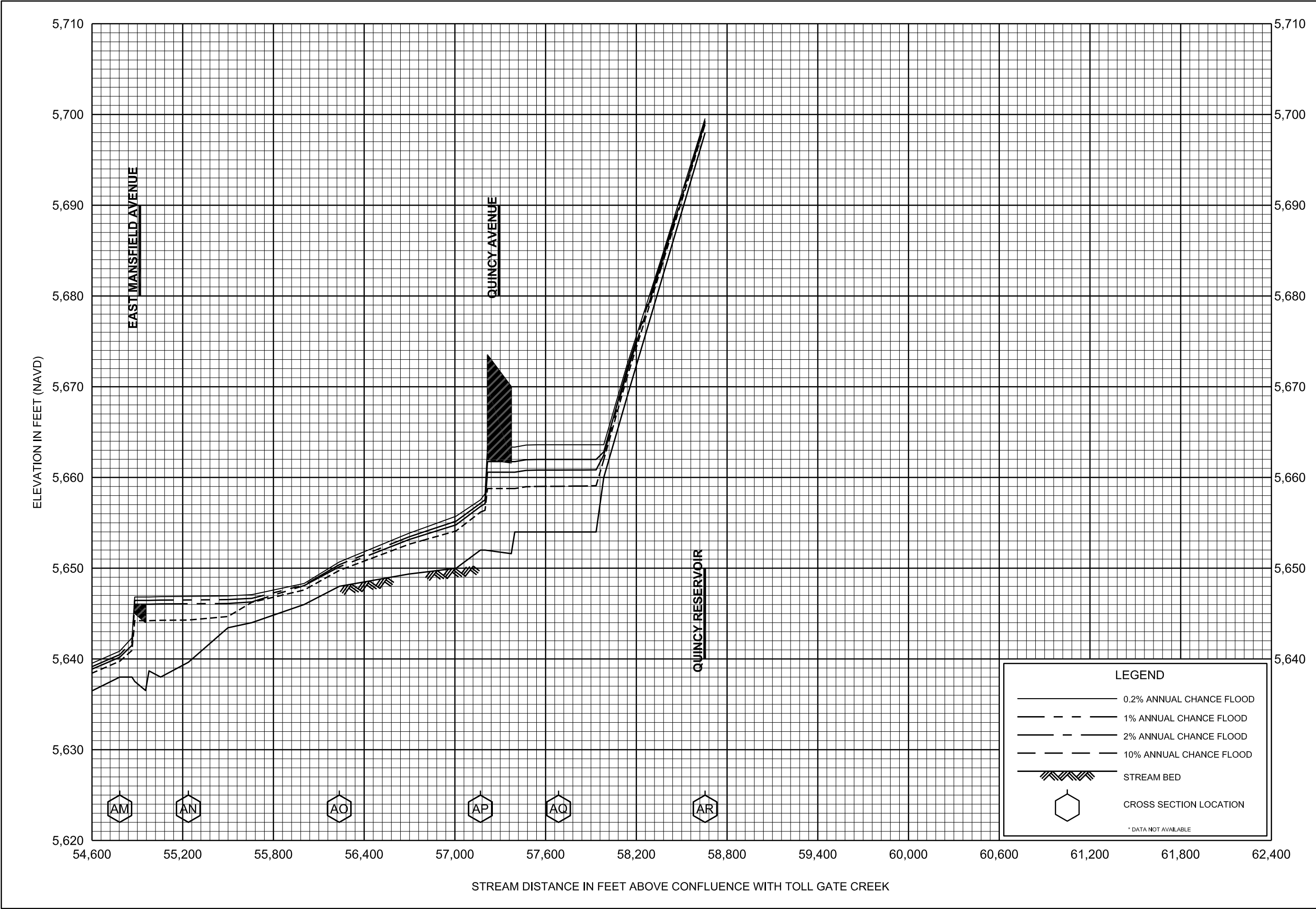


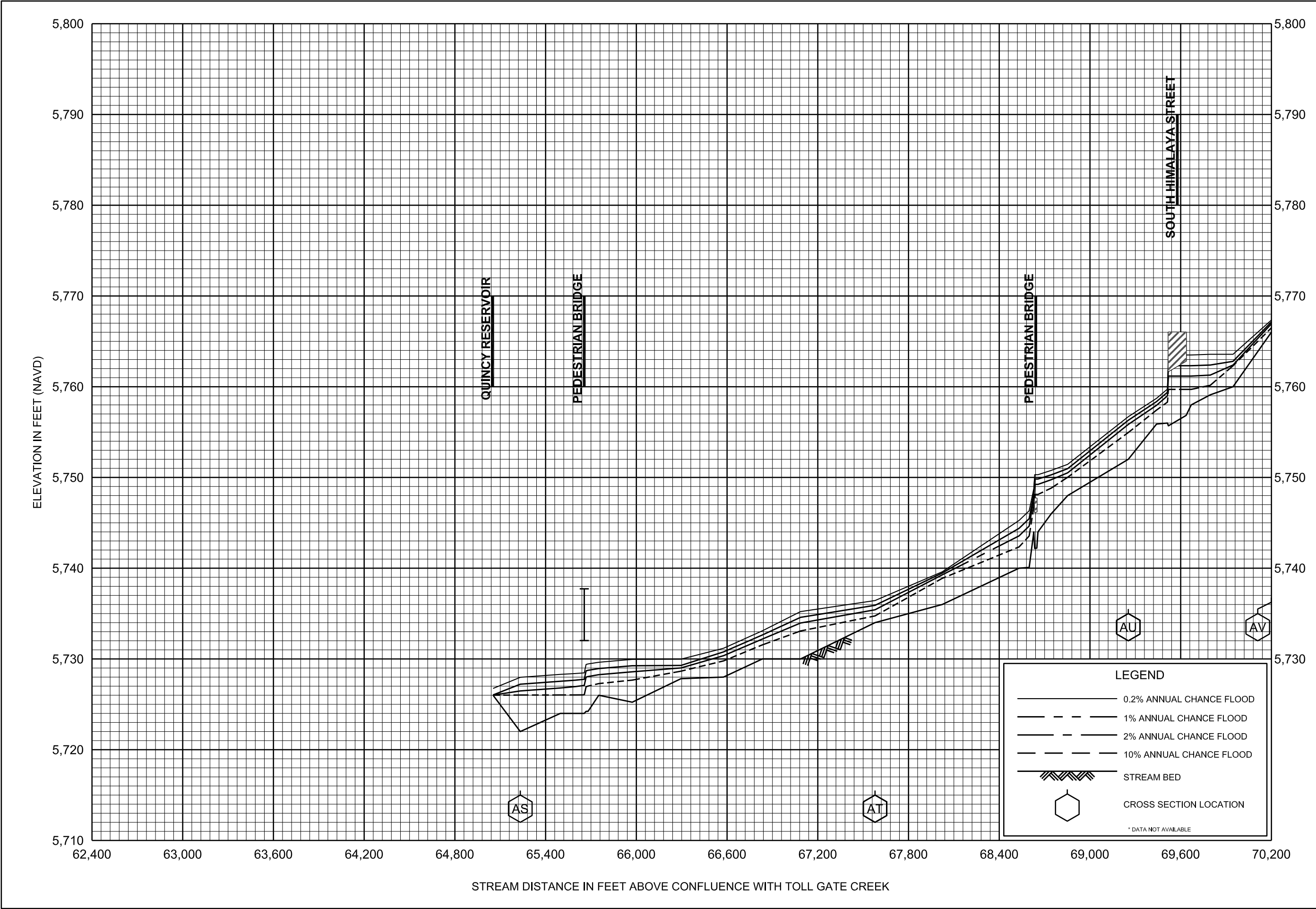


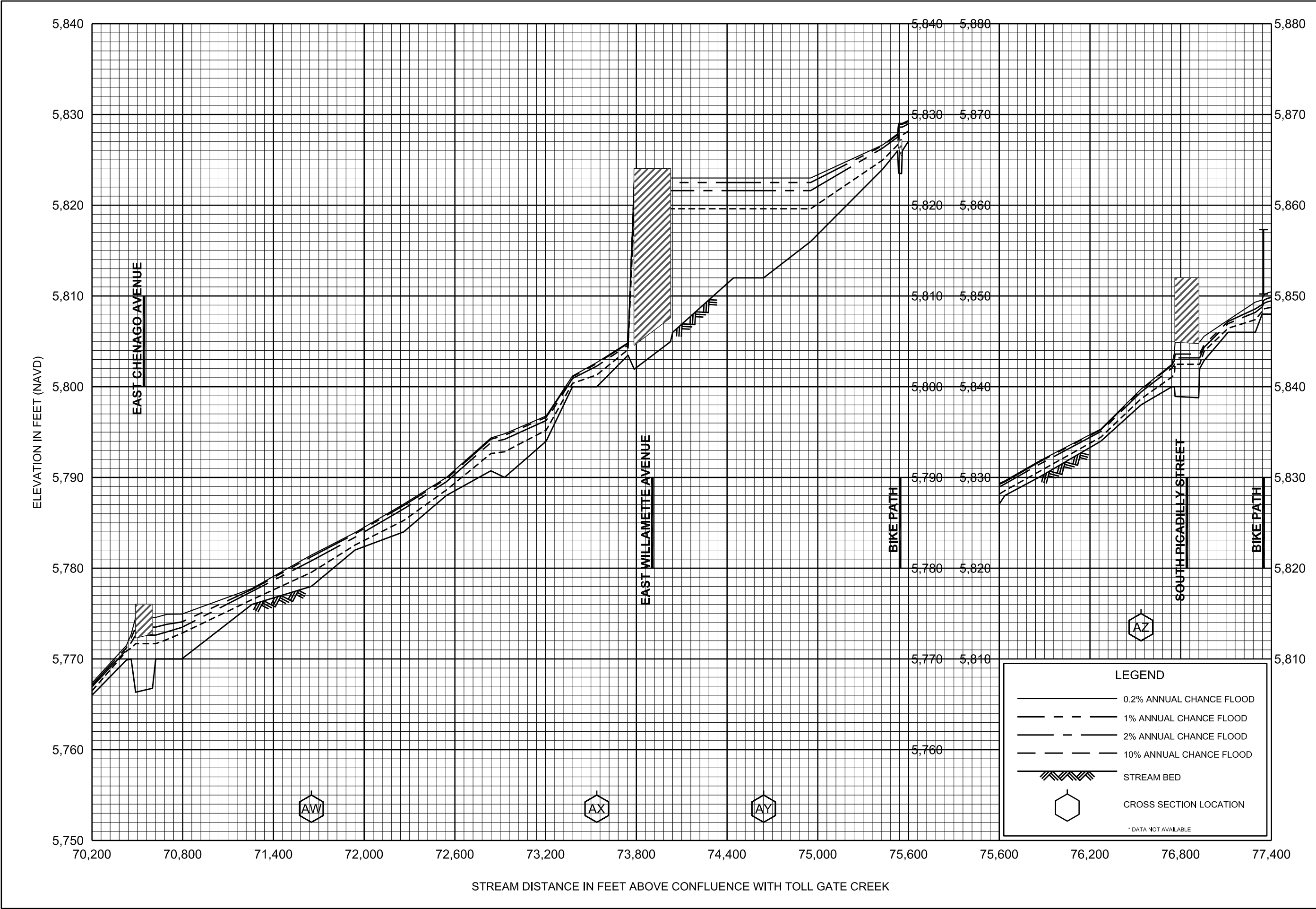


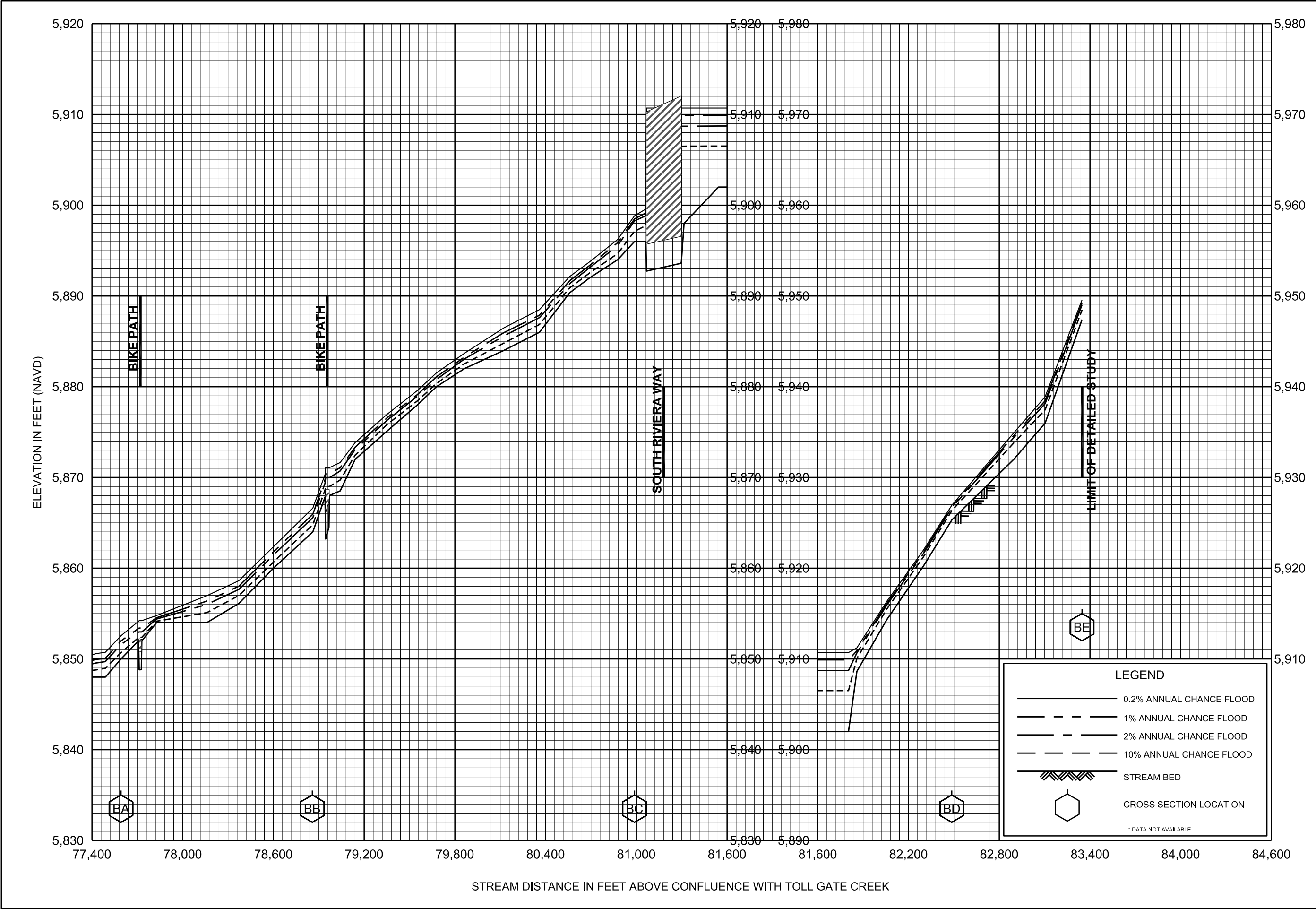


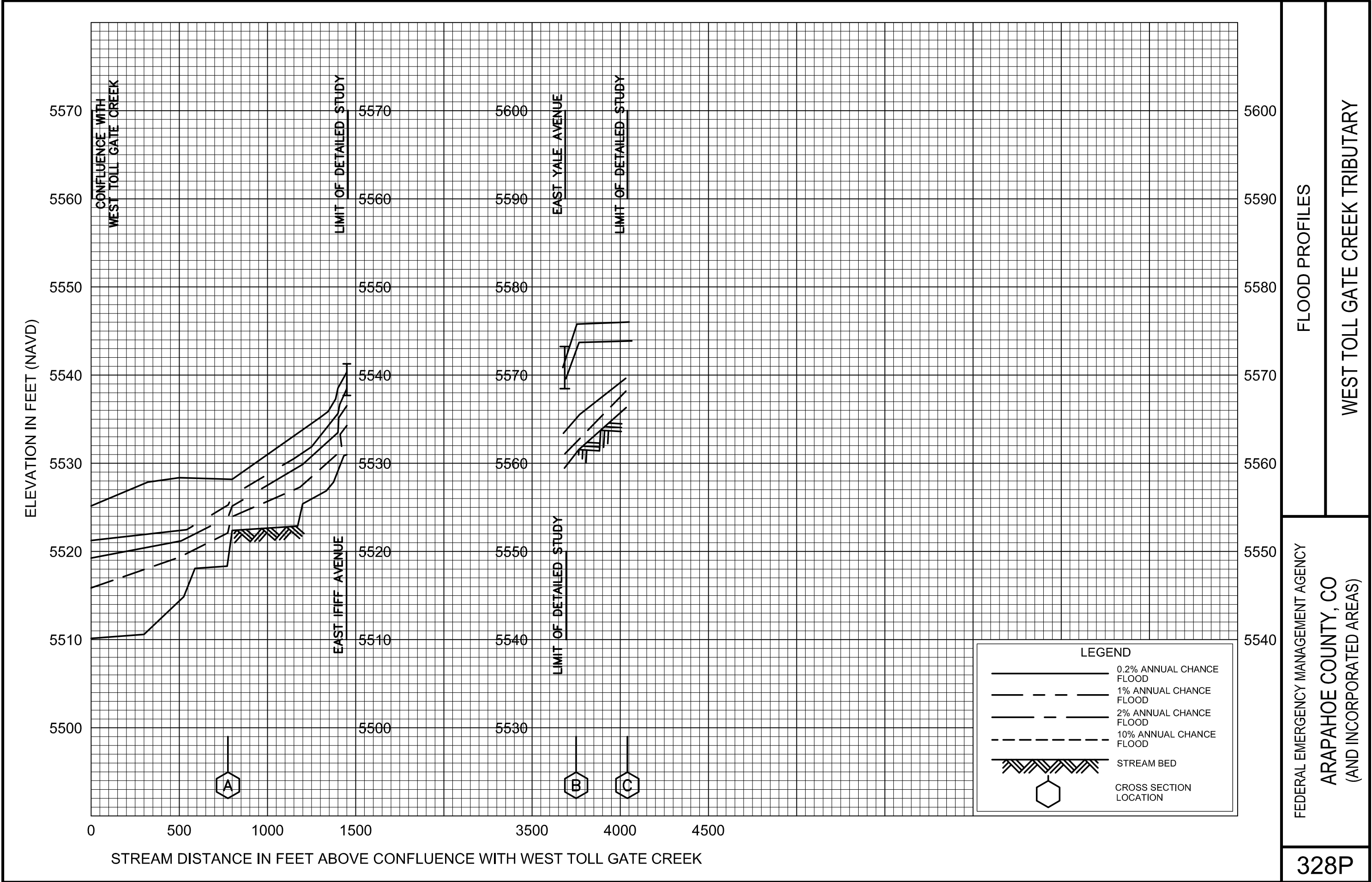


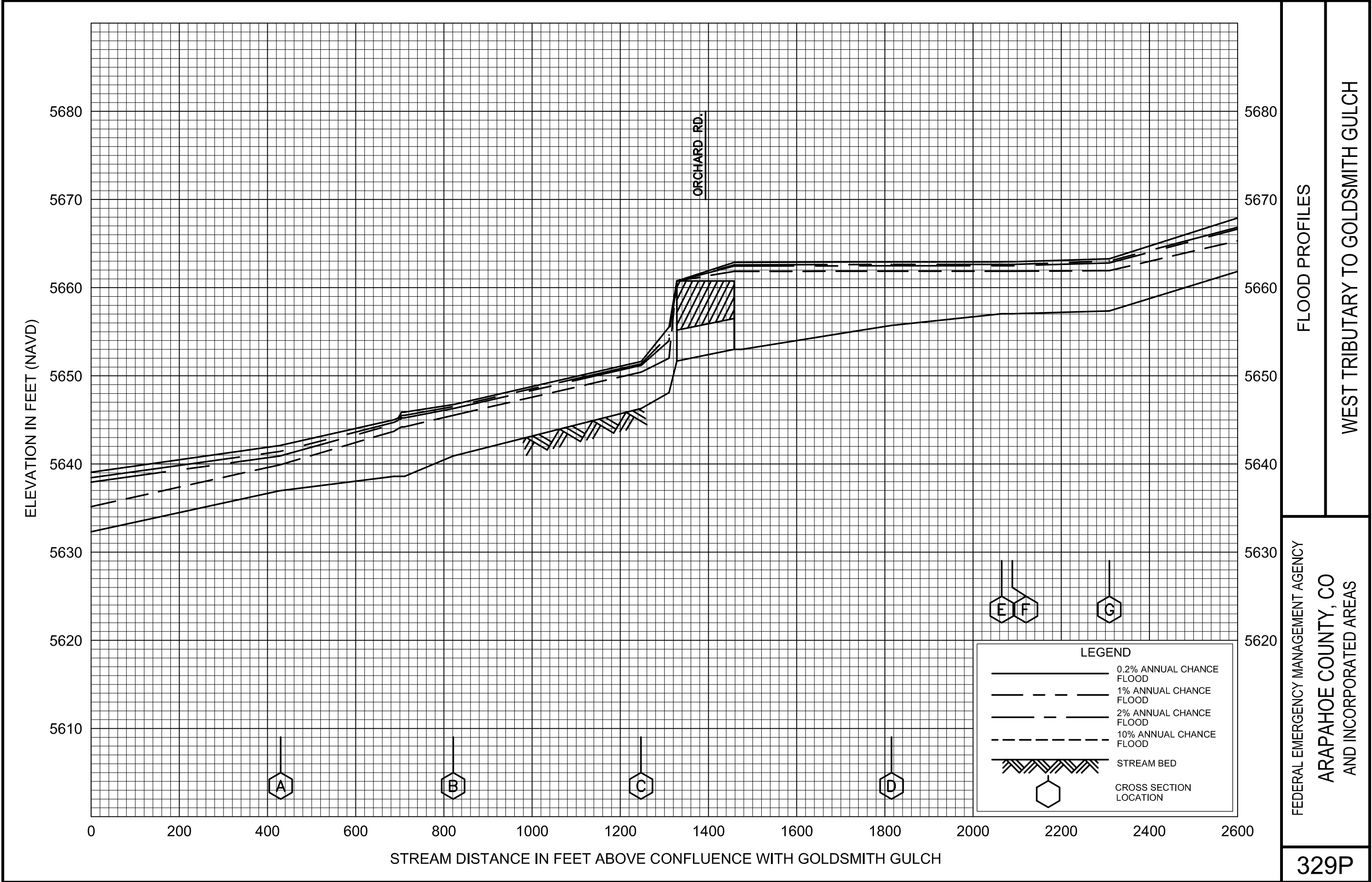


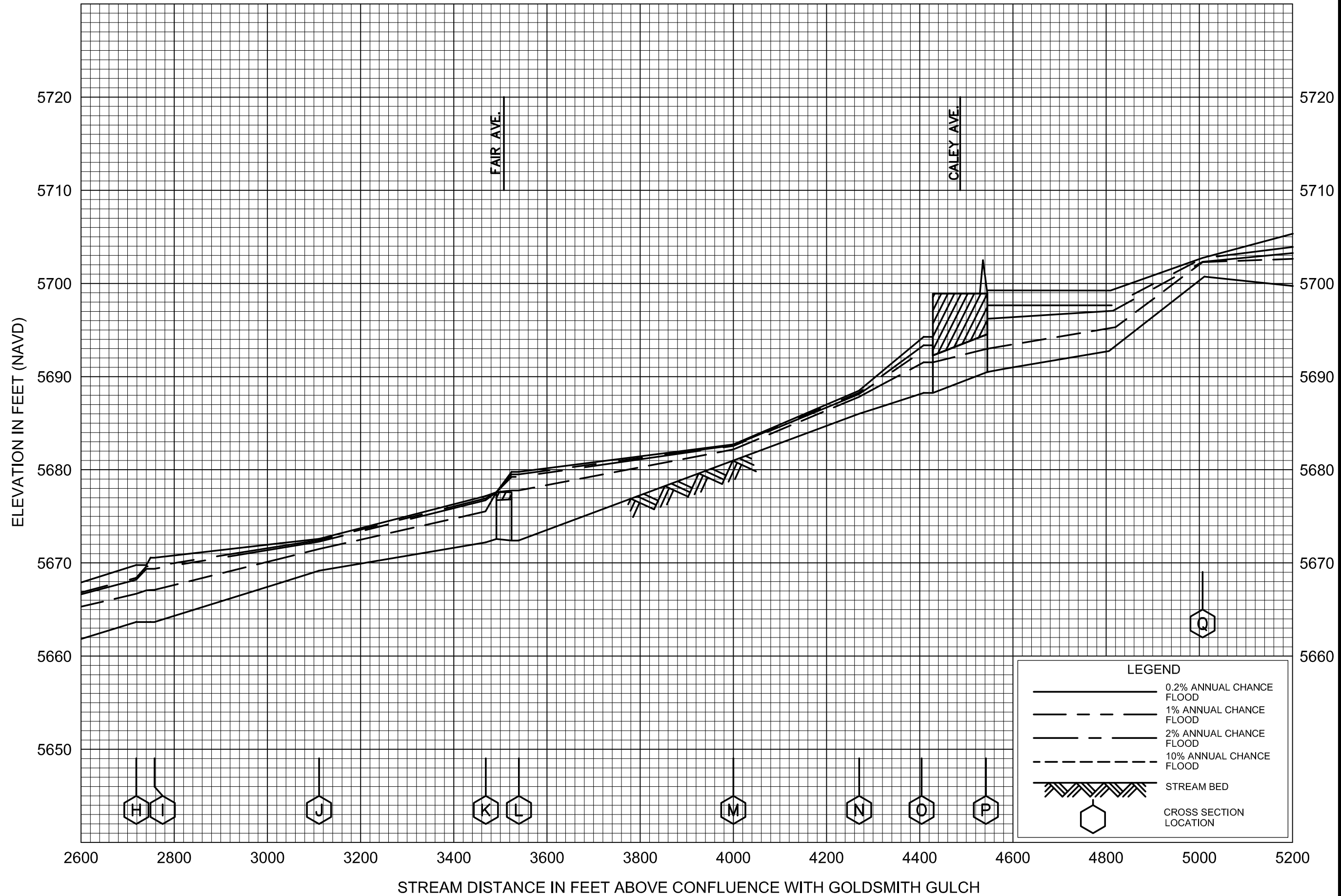








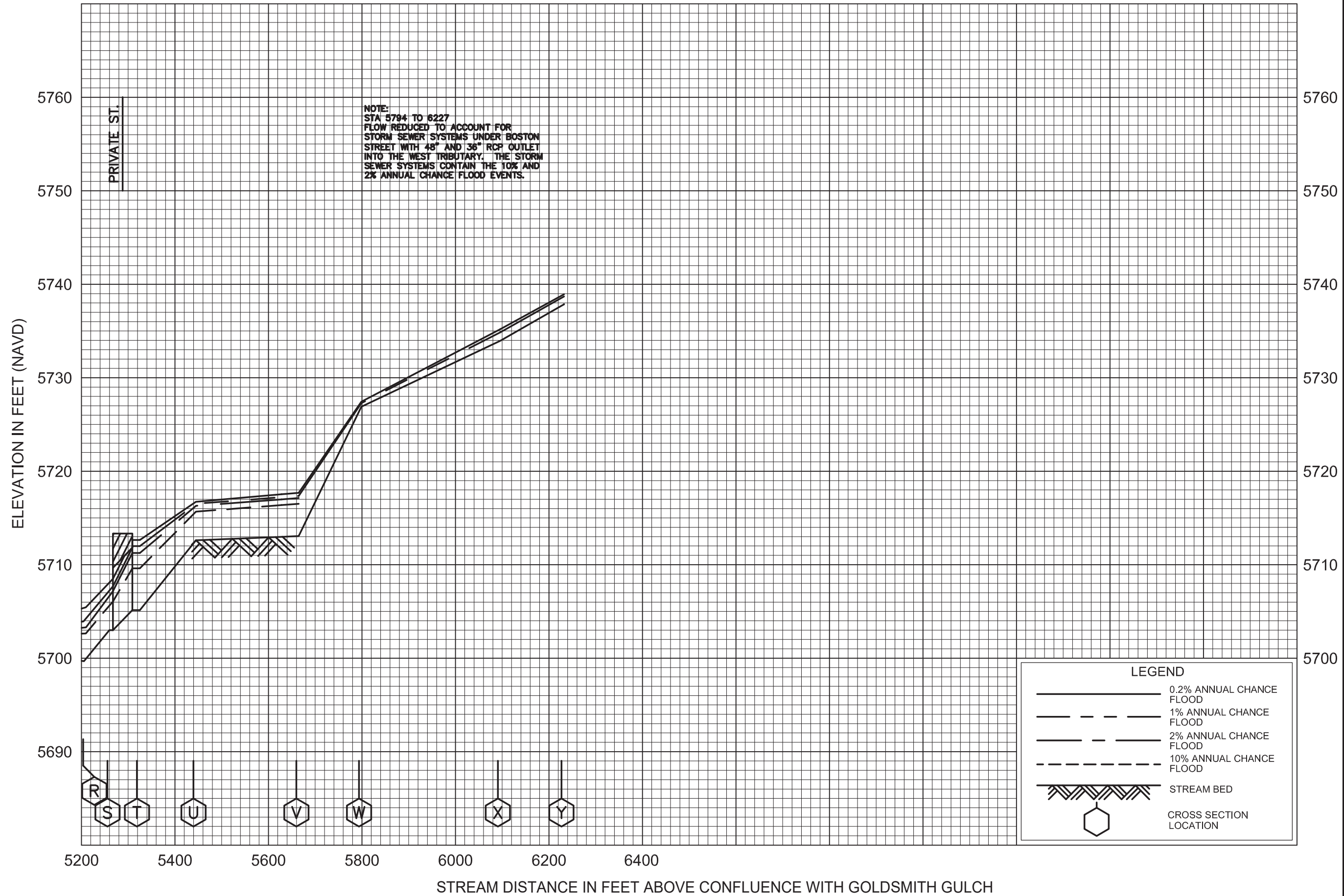




FLOOD PROFILES
WEST TRIBUTARY TO GOLDSMITH GULCH

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS

330P



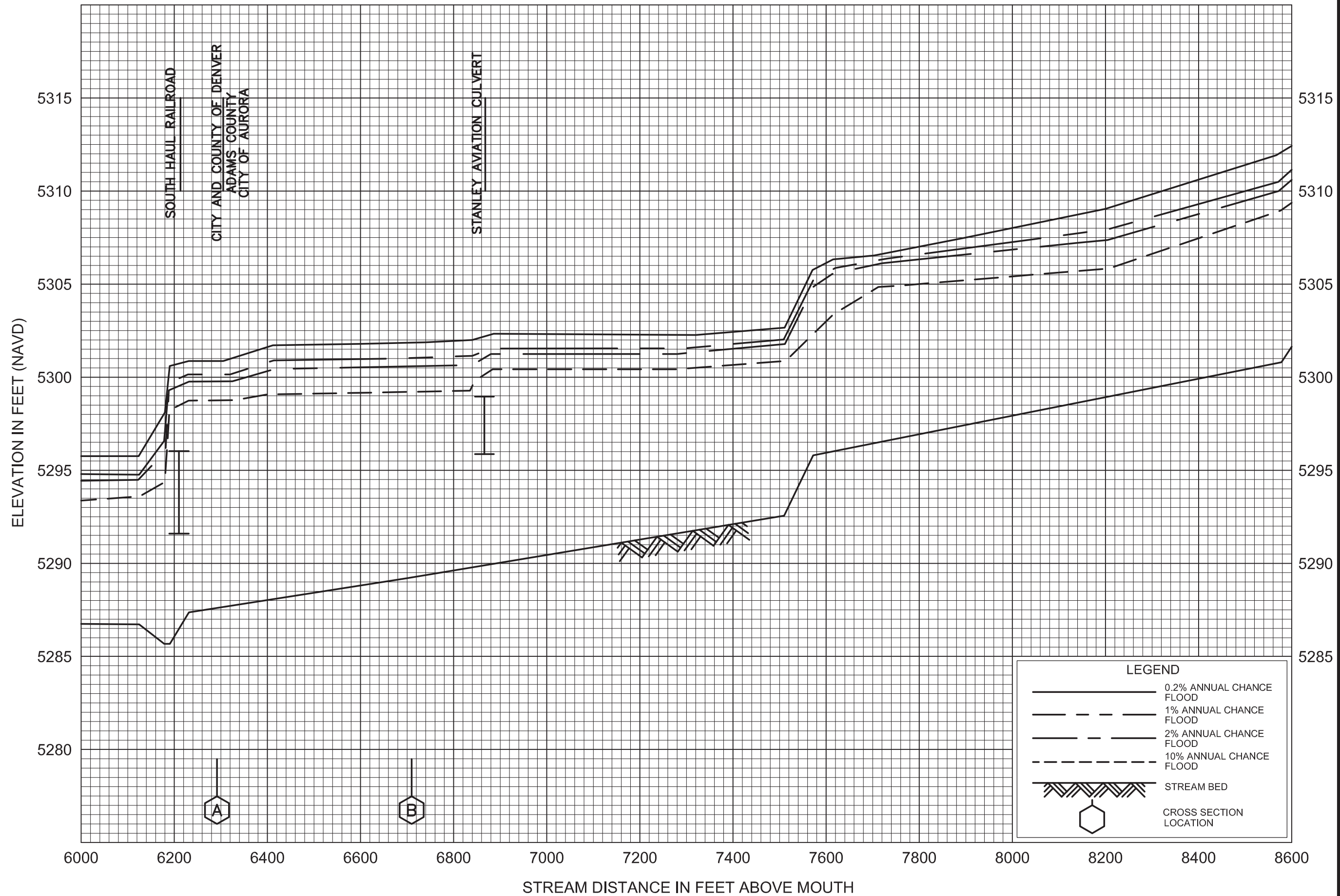
FLOOD PROFILES

WEST TRIBUTARY TO GOLDSMITH GULCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO

AND INCORPORATED AREAS



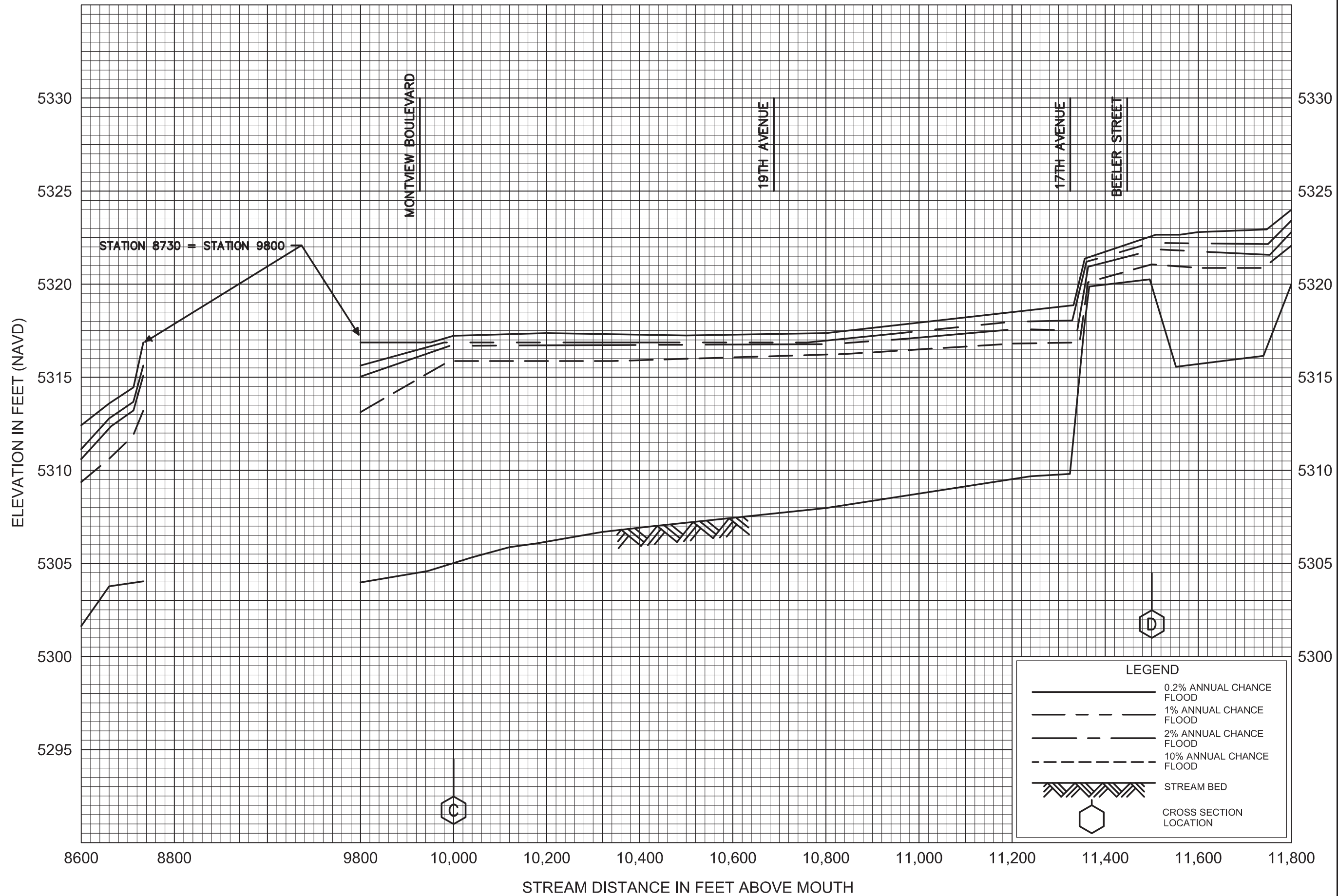
FLOOD PROFILES

WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)

332P



FLOOD PROFILES

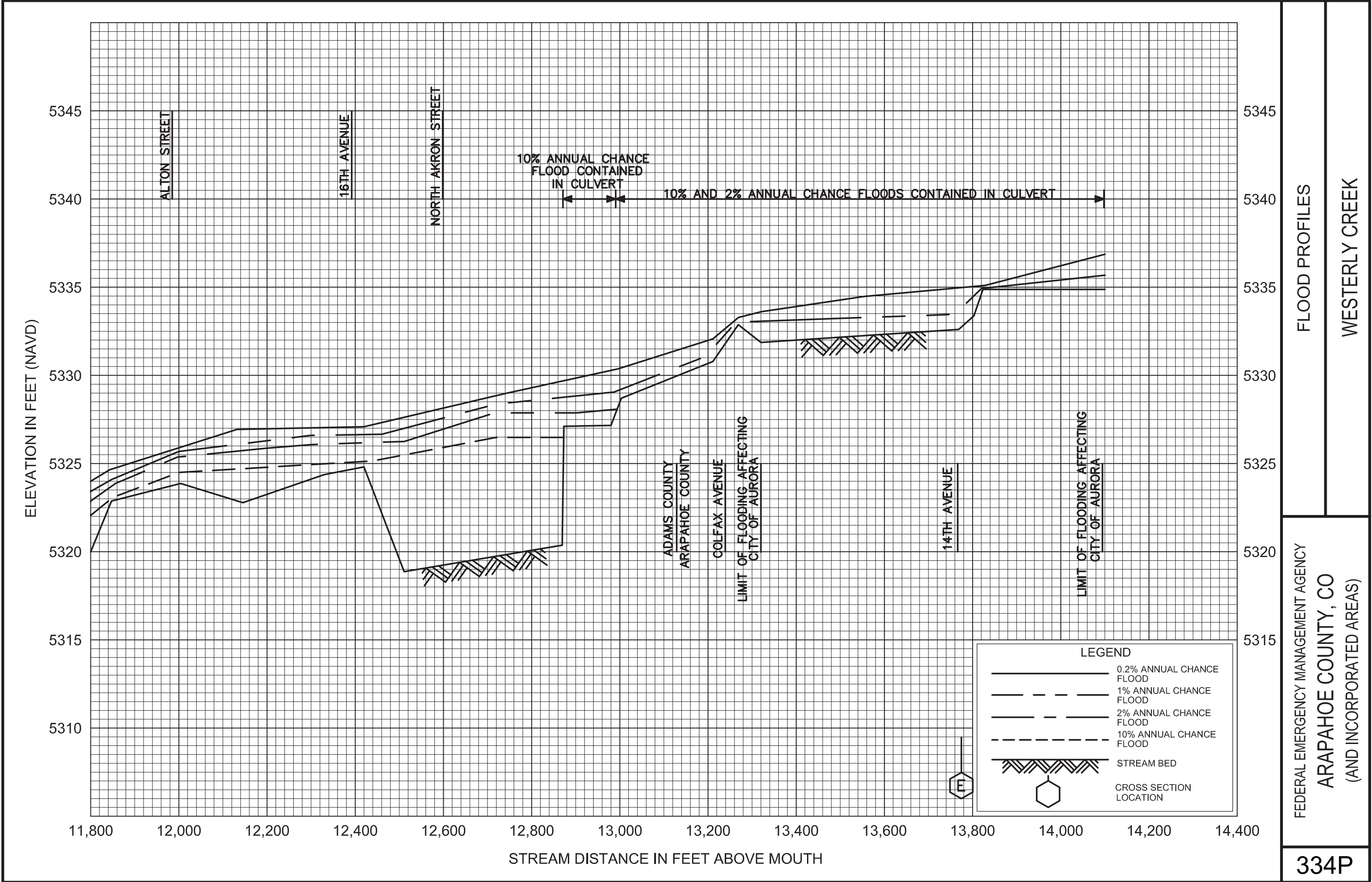
WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO

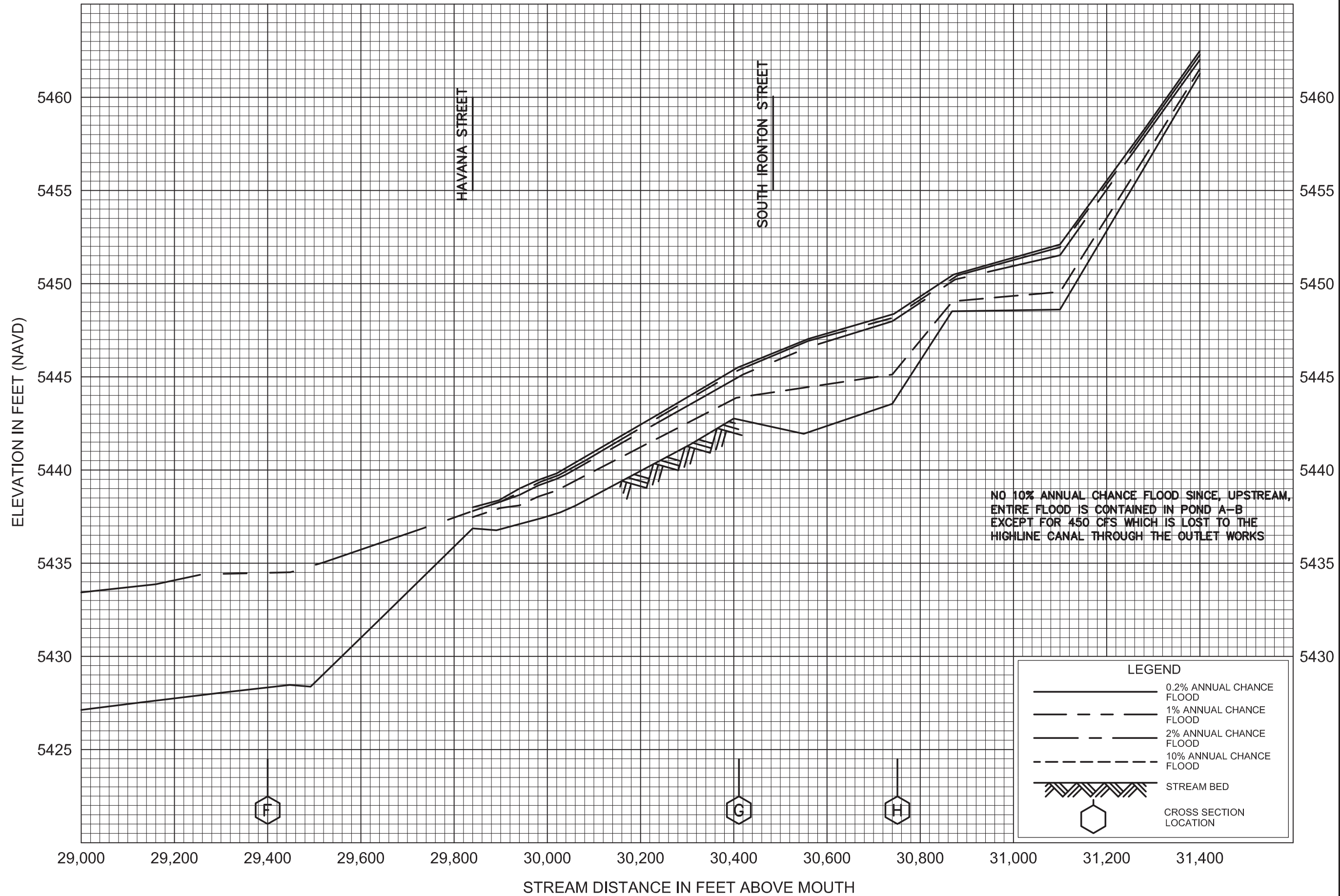
(AND INCORPORATED AREAS)

333P



FLOOD PROFILES
WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)



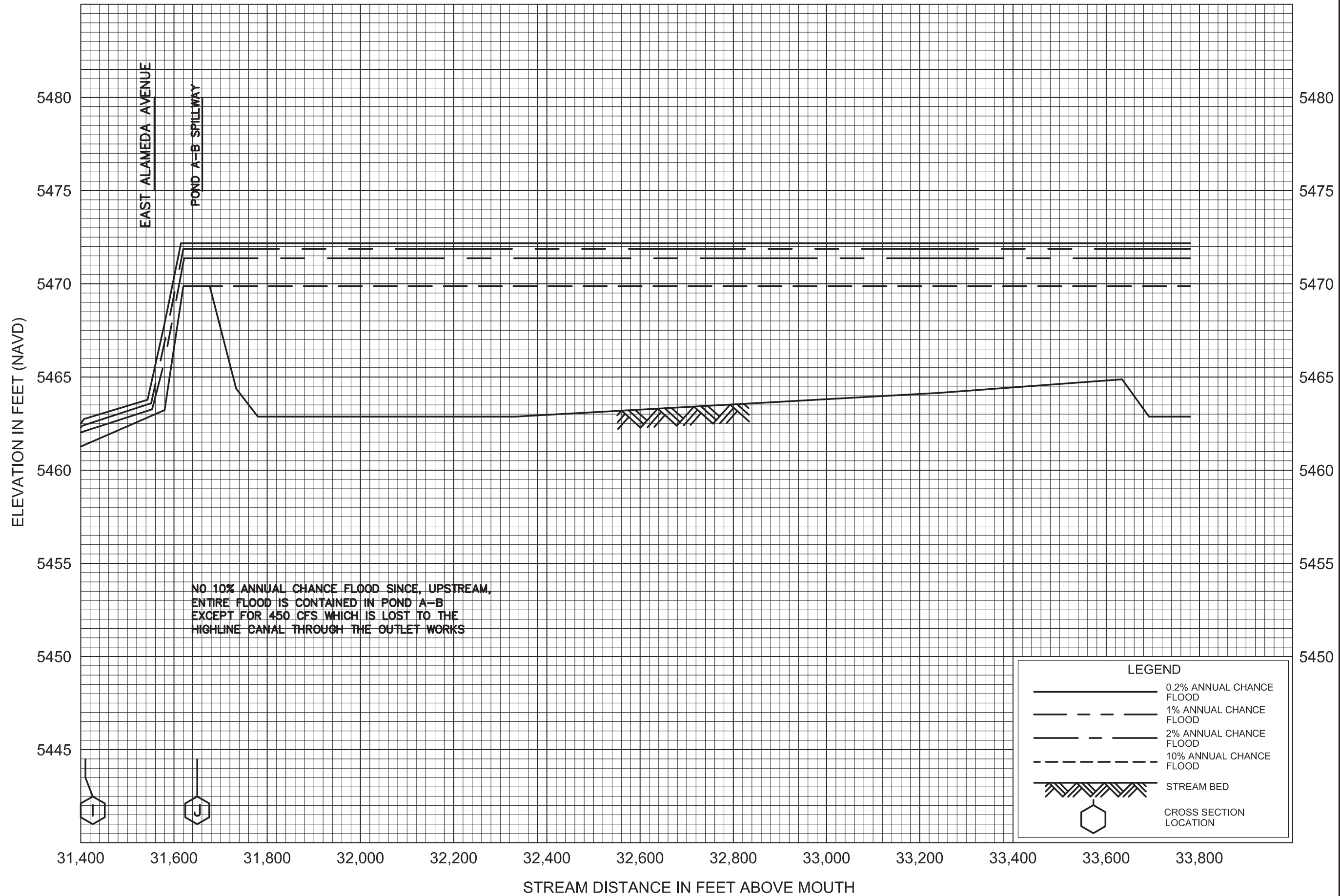
FLOOD PROFILES

WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO

(AND INCORPORATED AREAS)



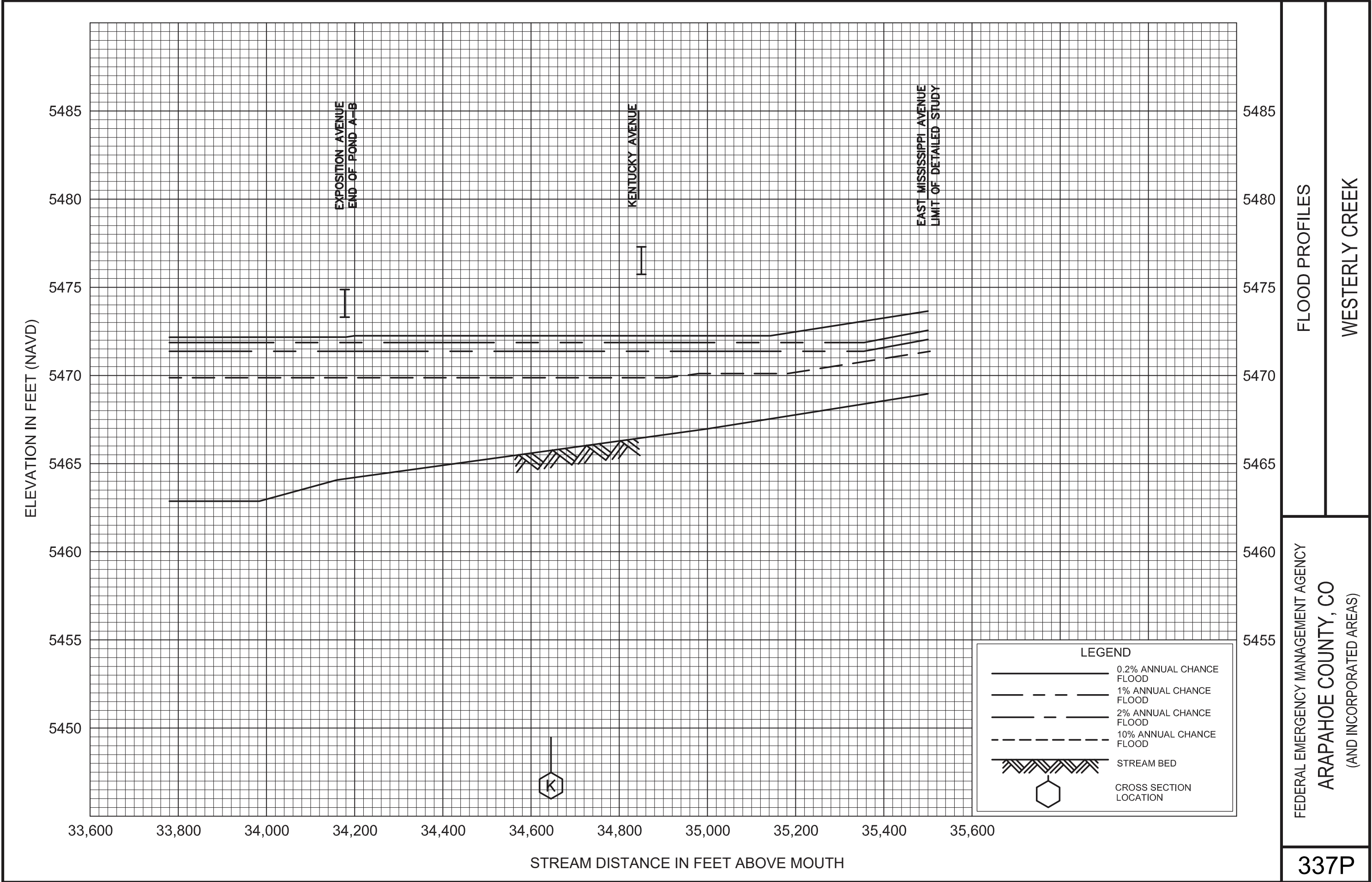
FLOOD PROFILES

WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

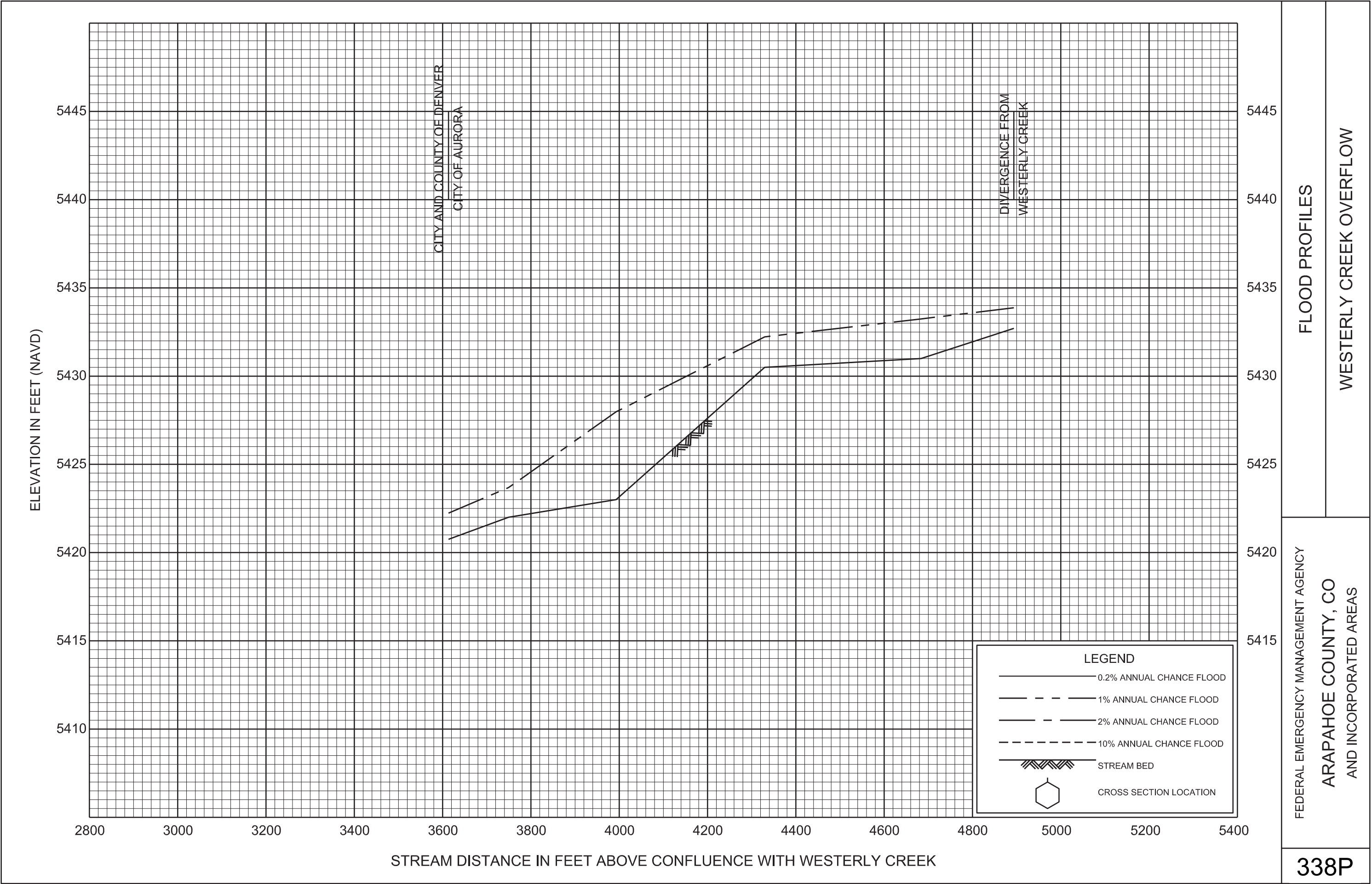
ARAPAHOE COUNTY, CO

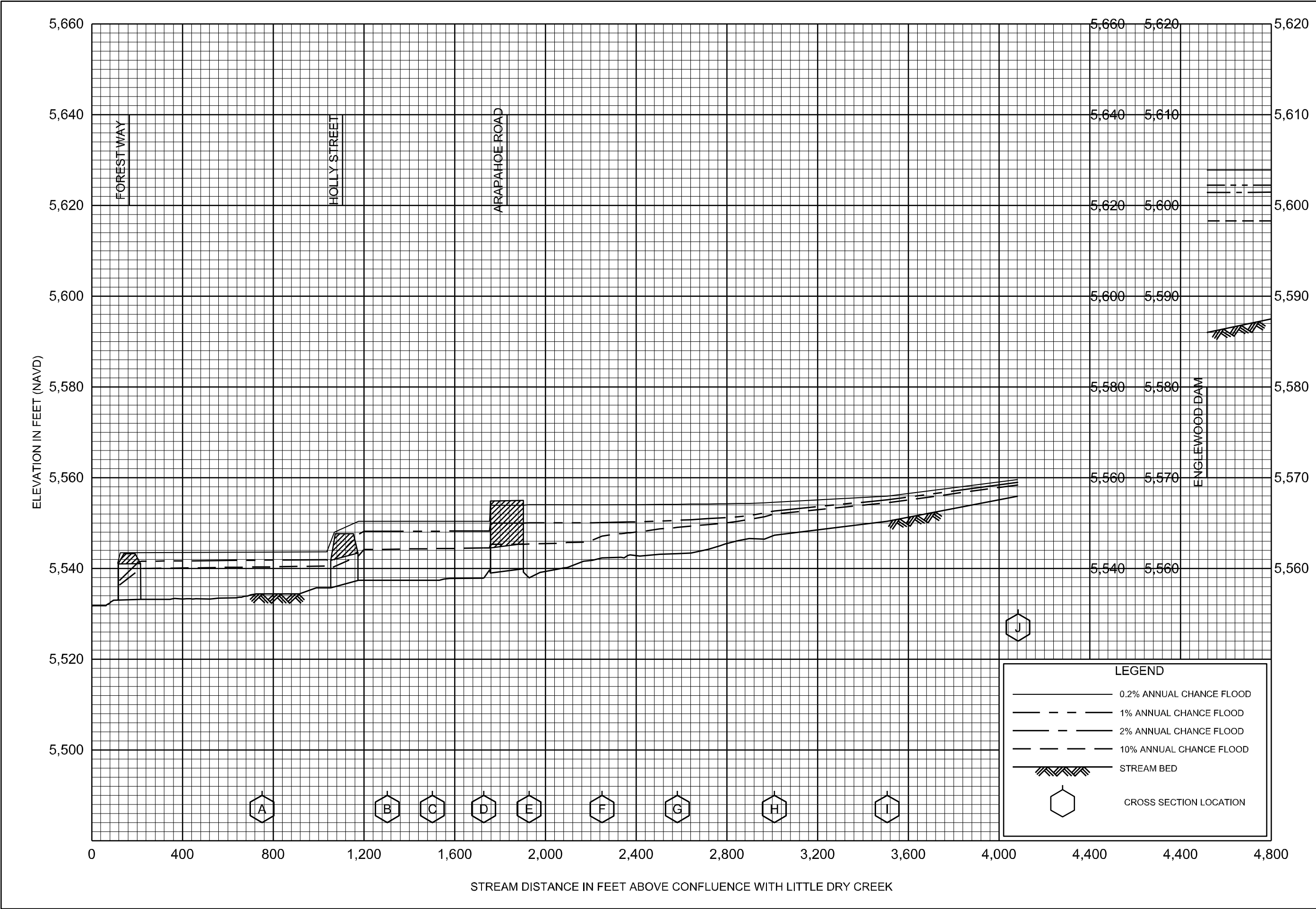
(AND INCORPORATED AREAS)

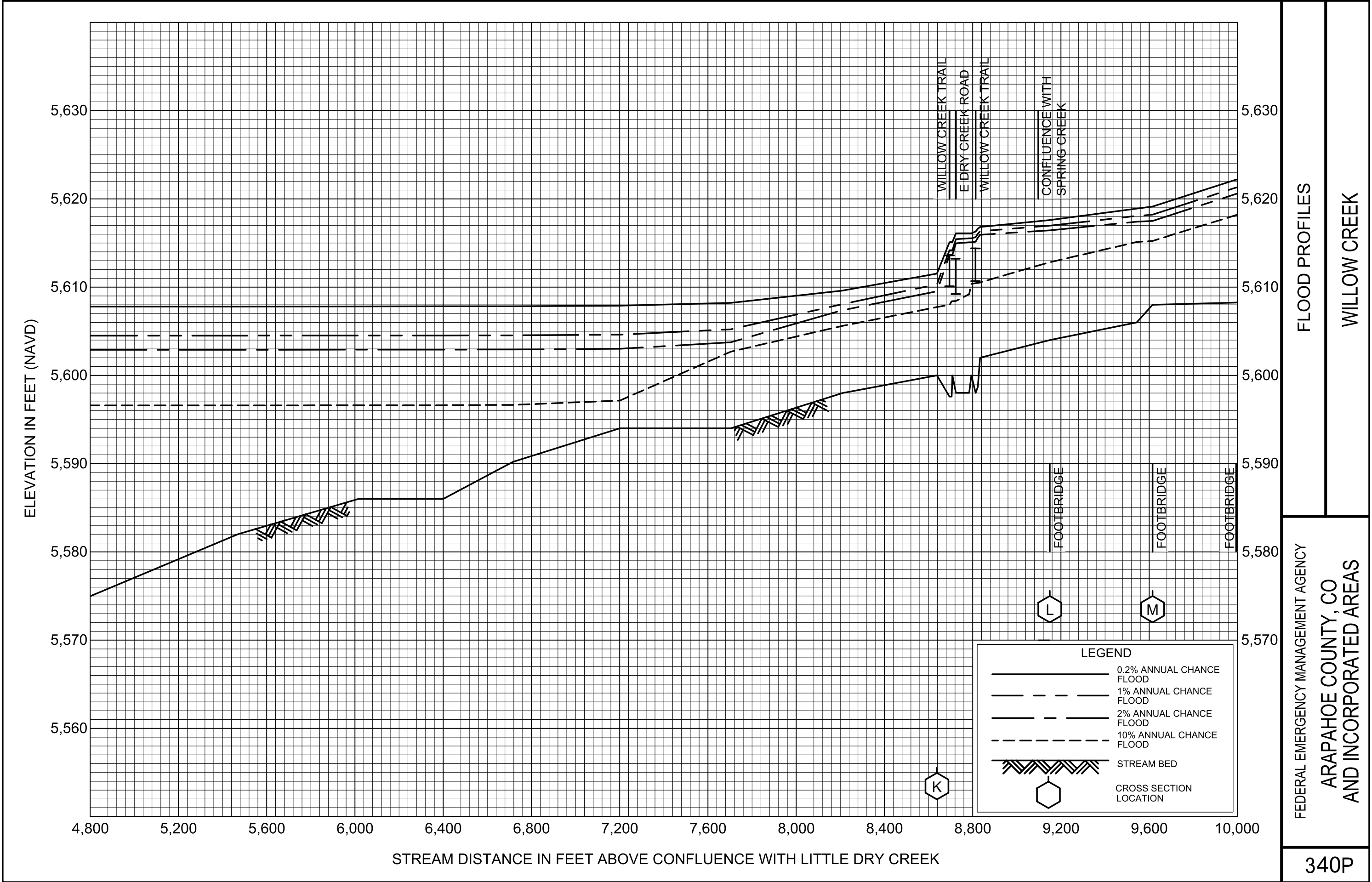


FLOOD PROFILES
WESTERLY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
ARAPAHOE COUNTY, CO
(AND INCORPORATED AREAS)







FLOOD PROFILES

WILLOW CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

ARAPAHOE COUNTY, CO
AND INCORPORATED AREAS

