

# FLOOD INSURANCE STUDY

## FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 11 OF 12



### SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

| COMMUNITY NAME          | NUMBER | COMMUNITY NAME                            | NUMBER |
|-------------------------|--------|---|--------|
| CARLSBAD, CITY OF       | 060285 | NATIONAL CITY, CITY OF                    | 060293 |
| CHULA VISTA, CITY OF    | 065021 | OCEANSIDE, CITY OF                        | 060294 |
| CORONADO, CITY OF       | 060287 | POWAY, CITY OF                            | 060702 |
| DEL MAR, CITY OF        | 060288 | SAN DIEGO, CITY OF                        | 060295 |
| EL CAJON, CITY OF       | 060289 | SAN DIEGO COUNTY,<br>UNINCORPORATED AREAS | 060284 |
| ENCINITAS, CITY OF      | 060726 | SAN MARCOS, CITY OF                       | 060296 |
| ESCONDIDO, CITY OF      | 060290 | SANTEE, CITY OF                           | 060703 |
| IMPERIAL BEACH, CITY OF | 060291 | SOLANA BEACH, CITY OF                     | 060725 |
| LA MESA, CITY OF        | 060292 | VISTA, CITY OF                            | 060297 |
| LEMON GROVE, CITY OF    | 060723 |   |        |

**REVISED: March 22, 2022**

FLOOD INSURANCE STUDY NUMBER  
06073CV011F

Version Number 2.4.3.0



# FEMA

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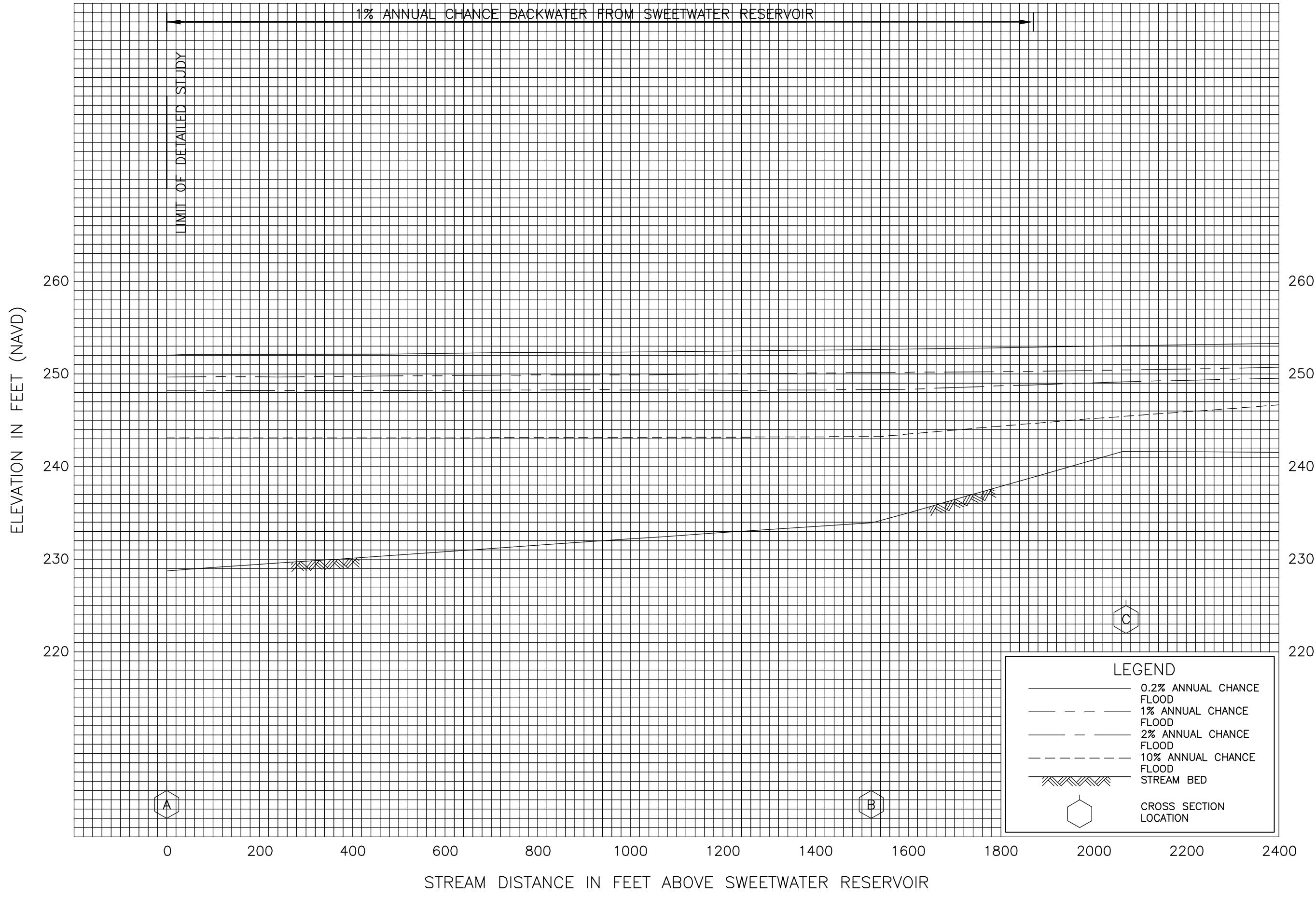
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**Published Separately**

Flood Insurance Rate Map (FIRM)

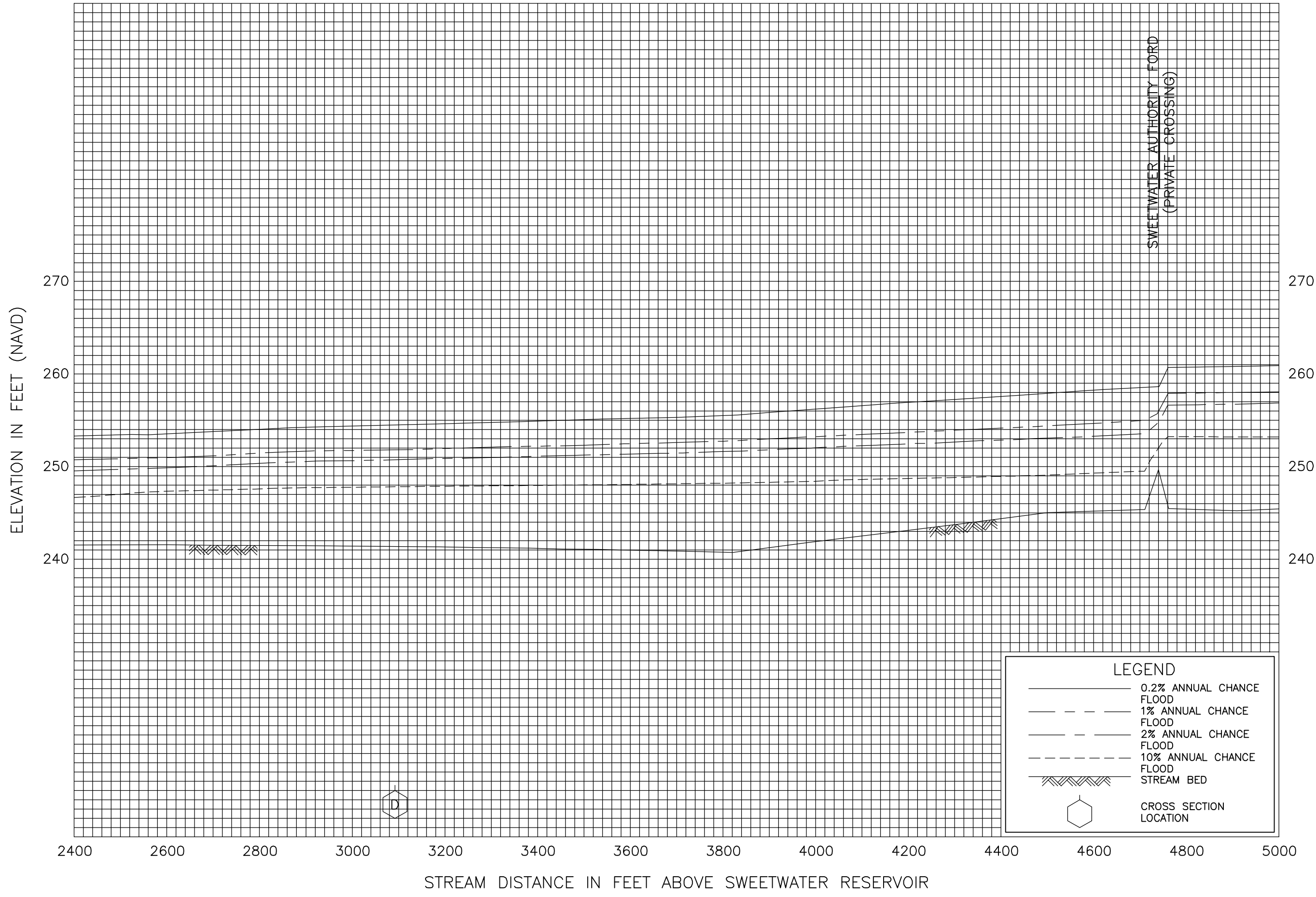




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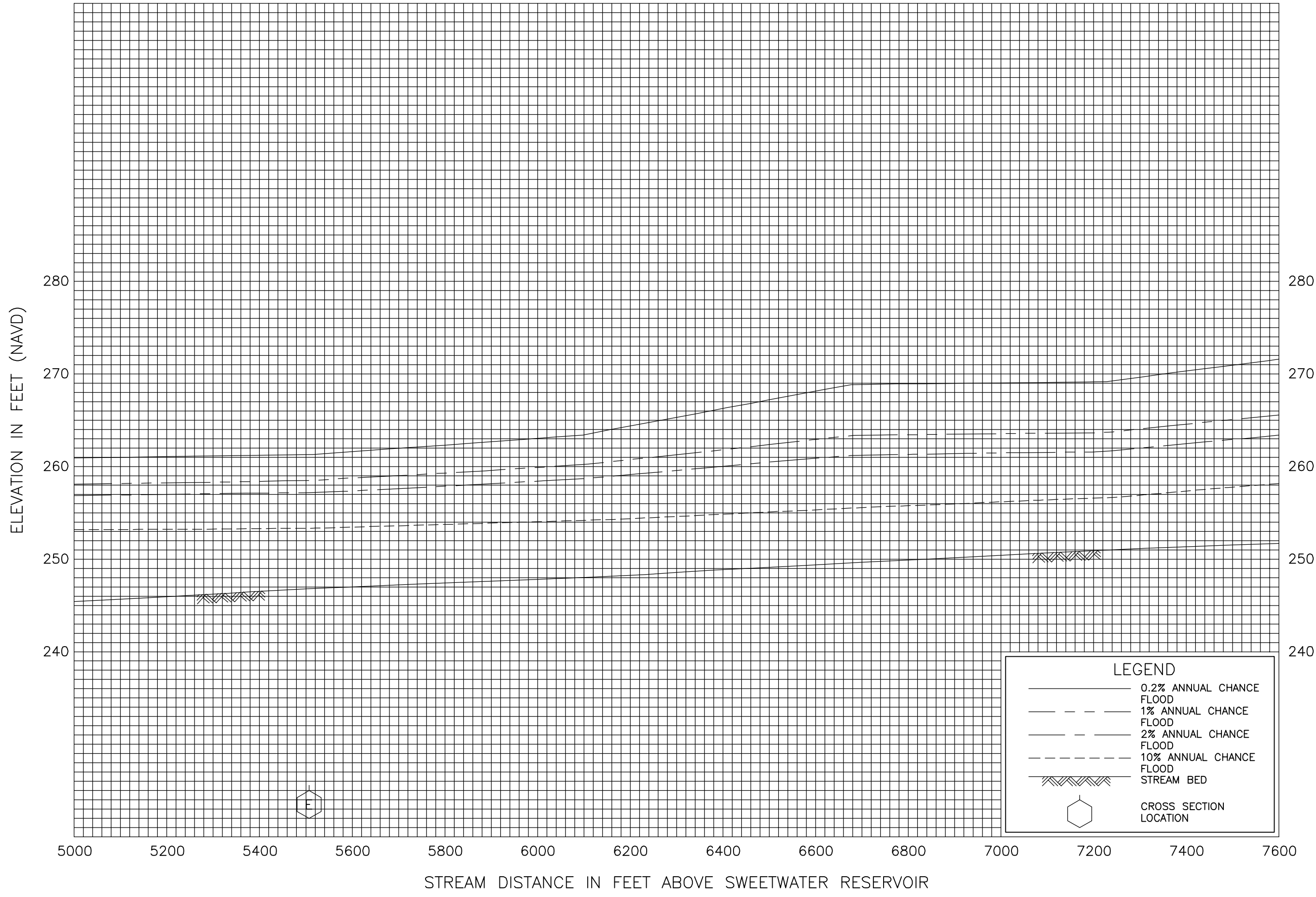
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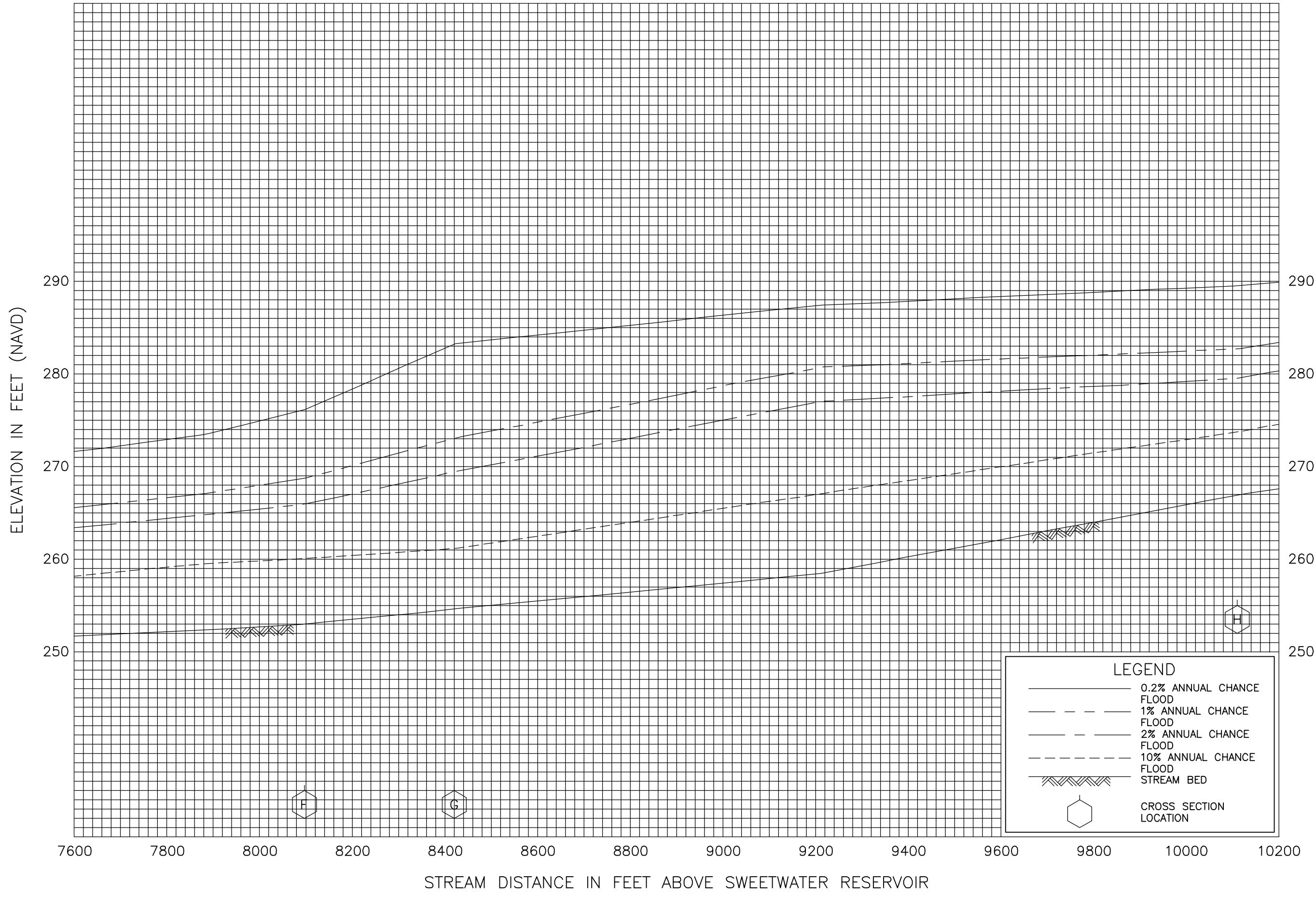
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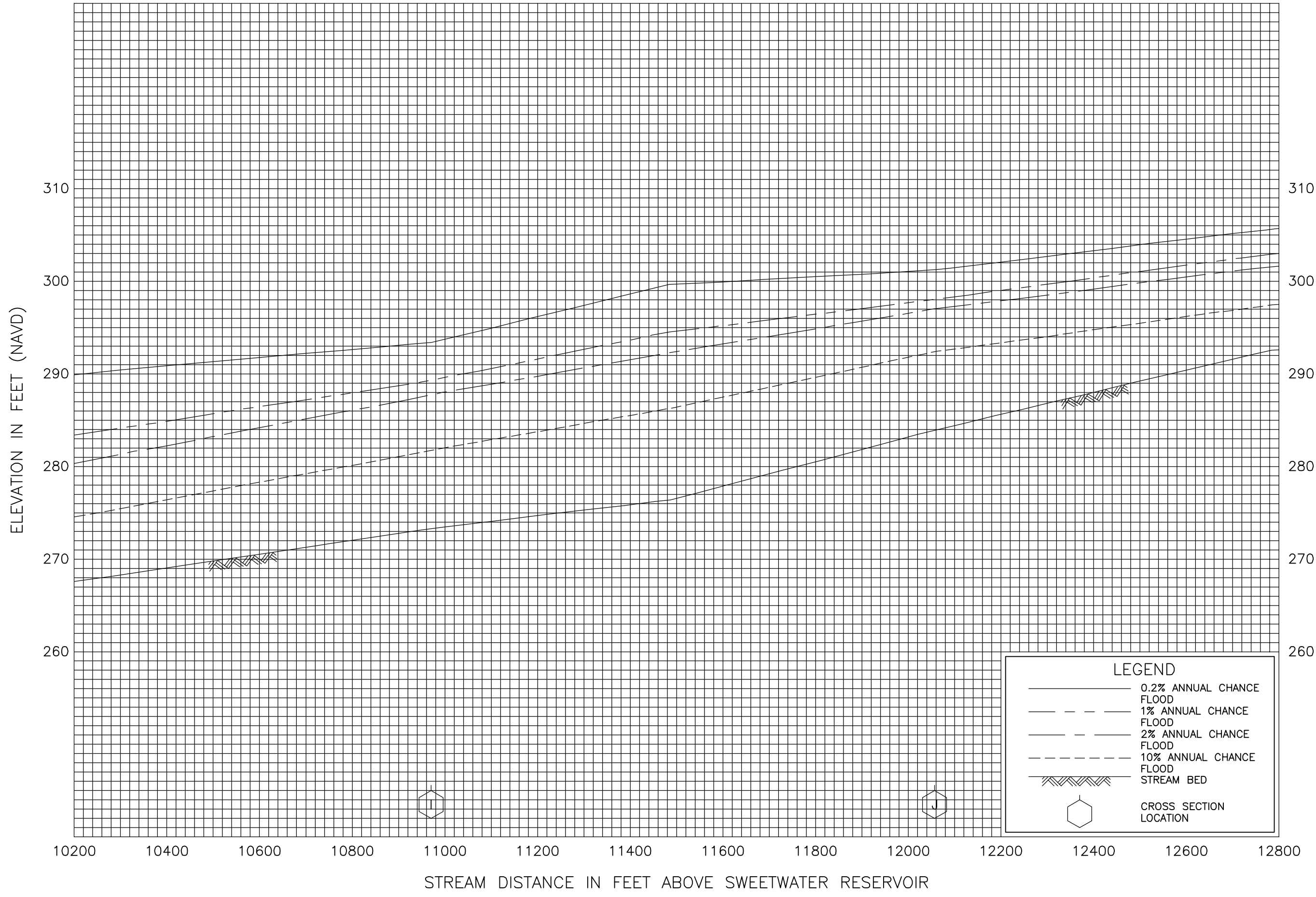
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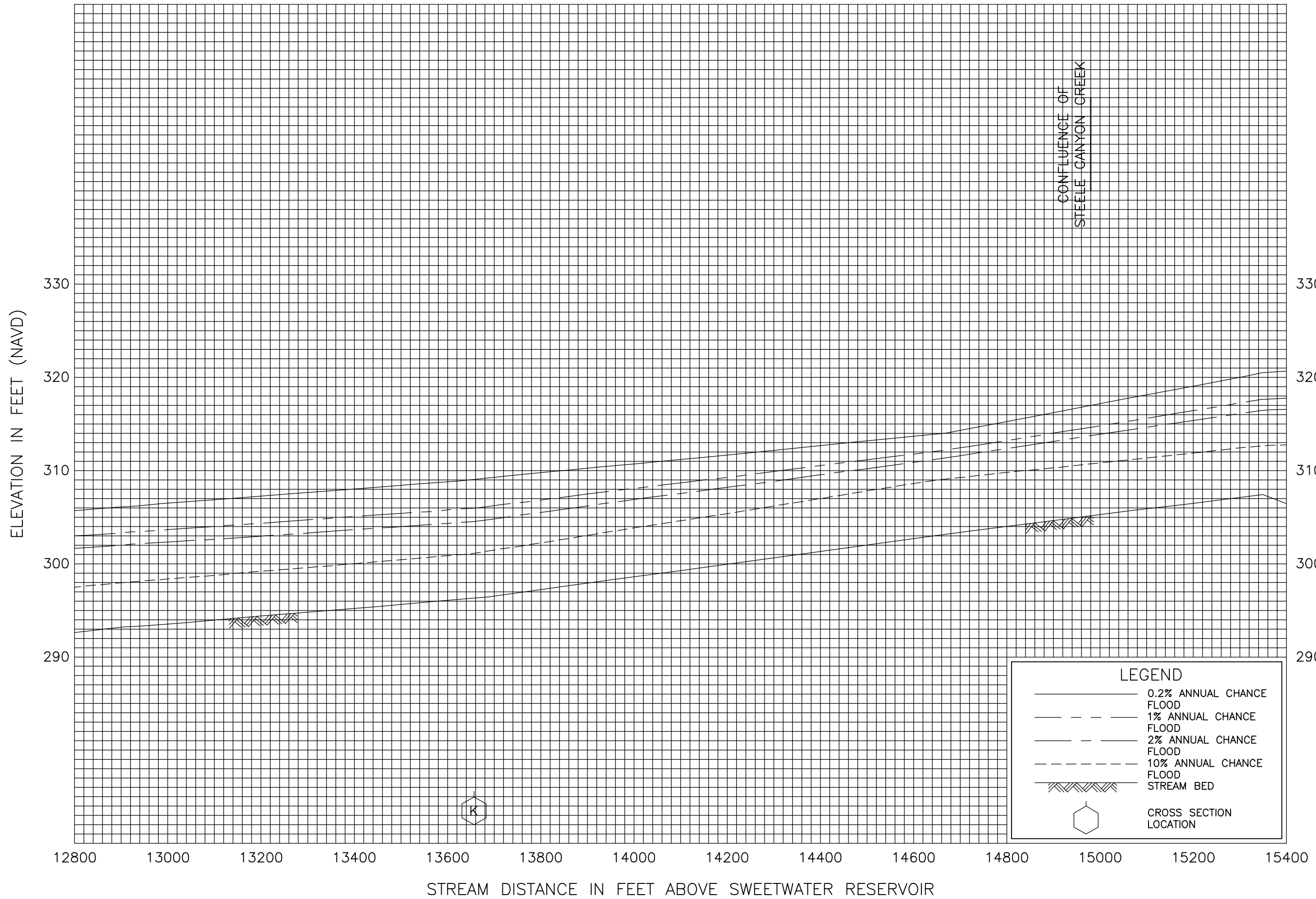


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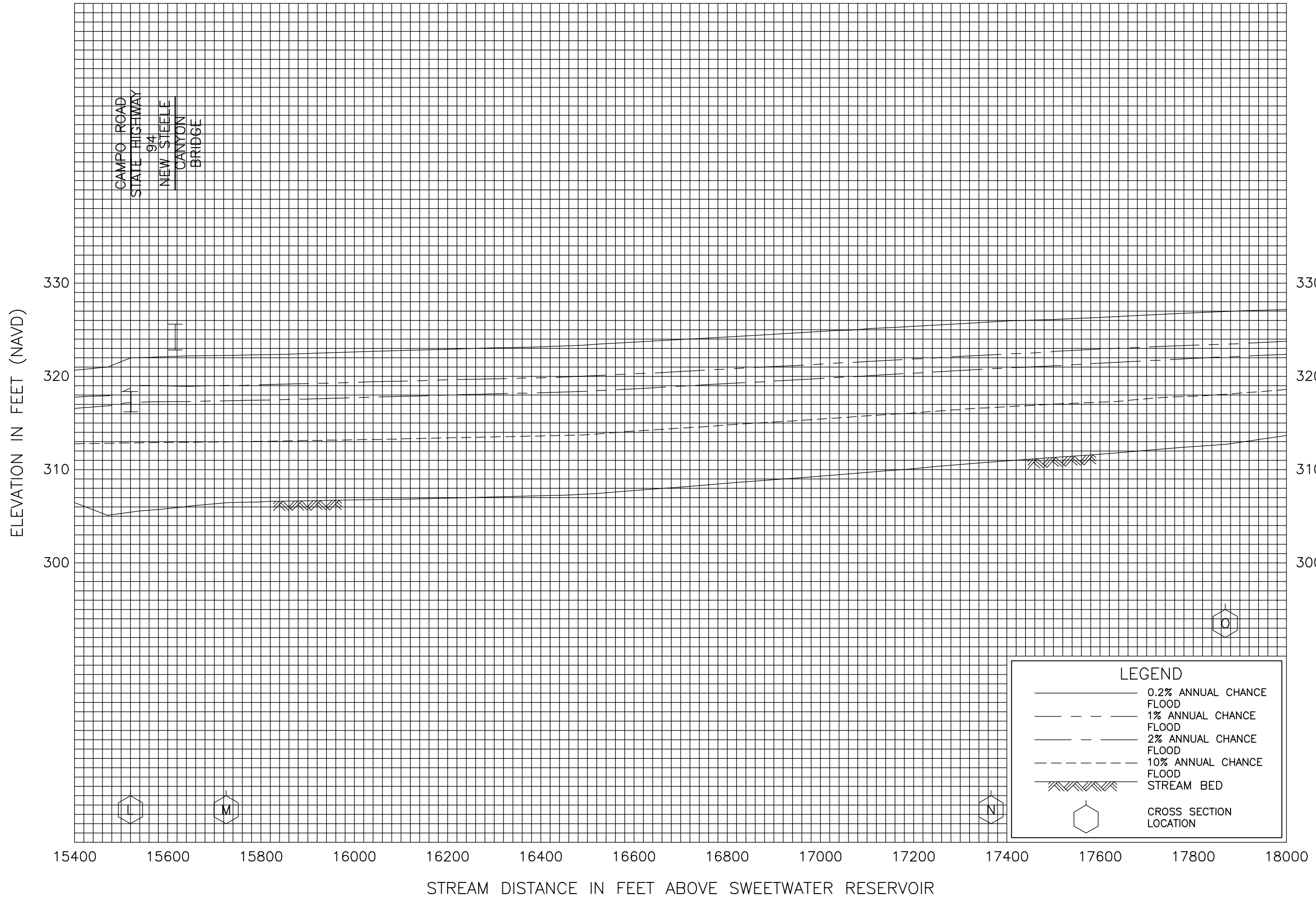
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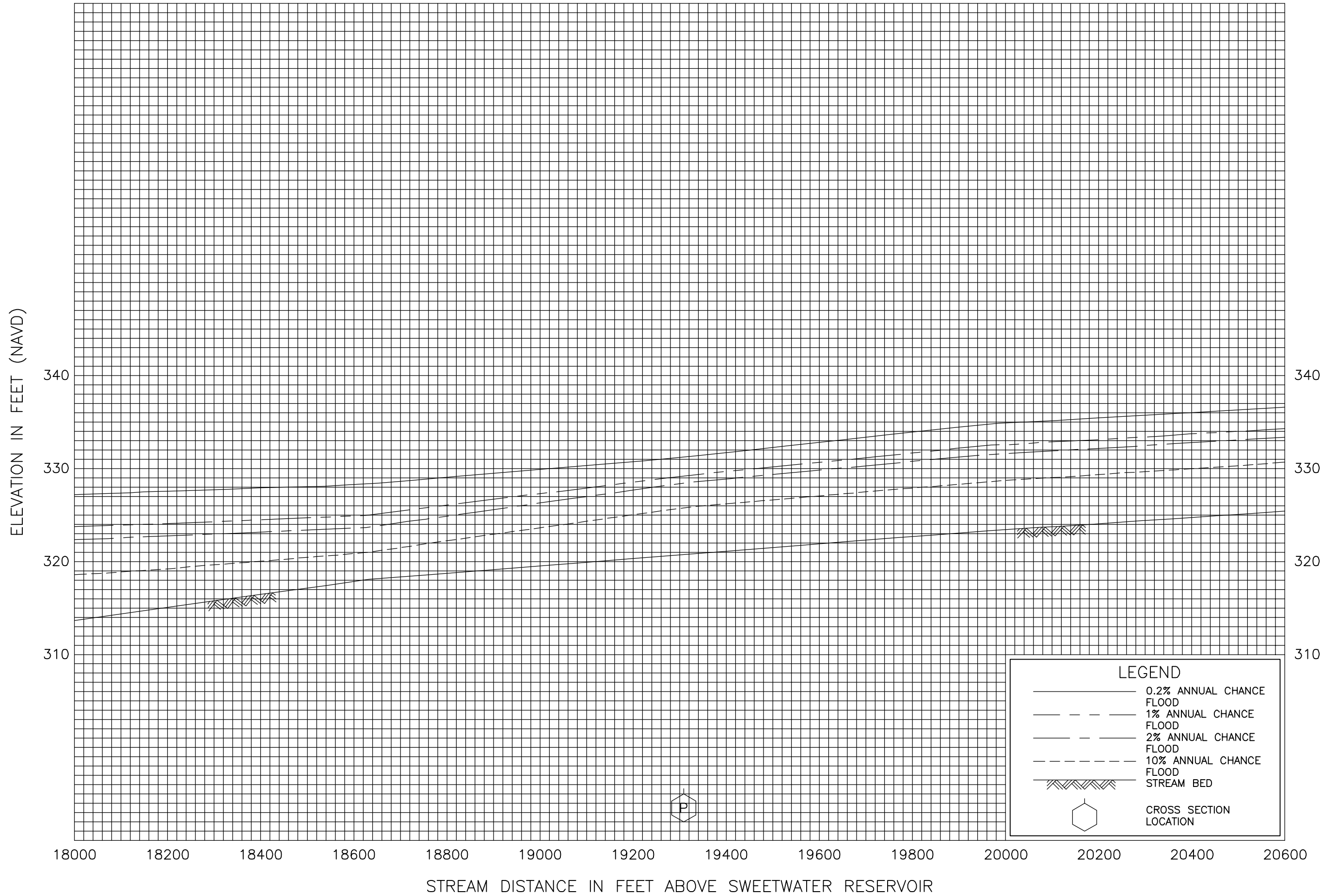


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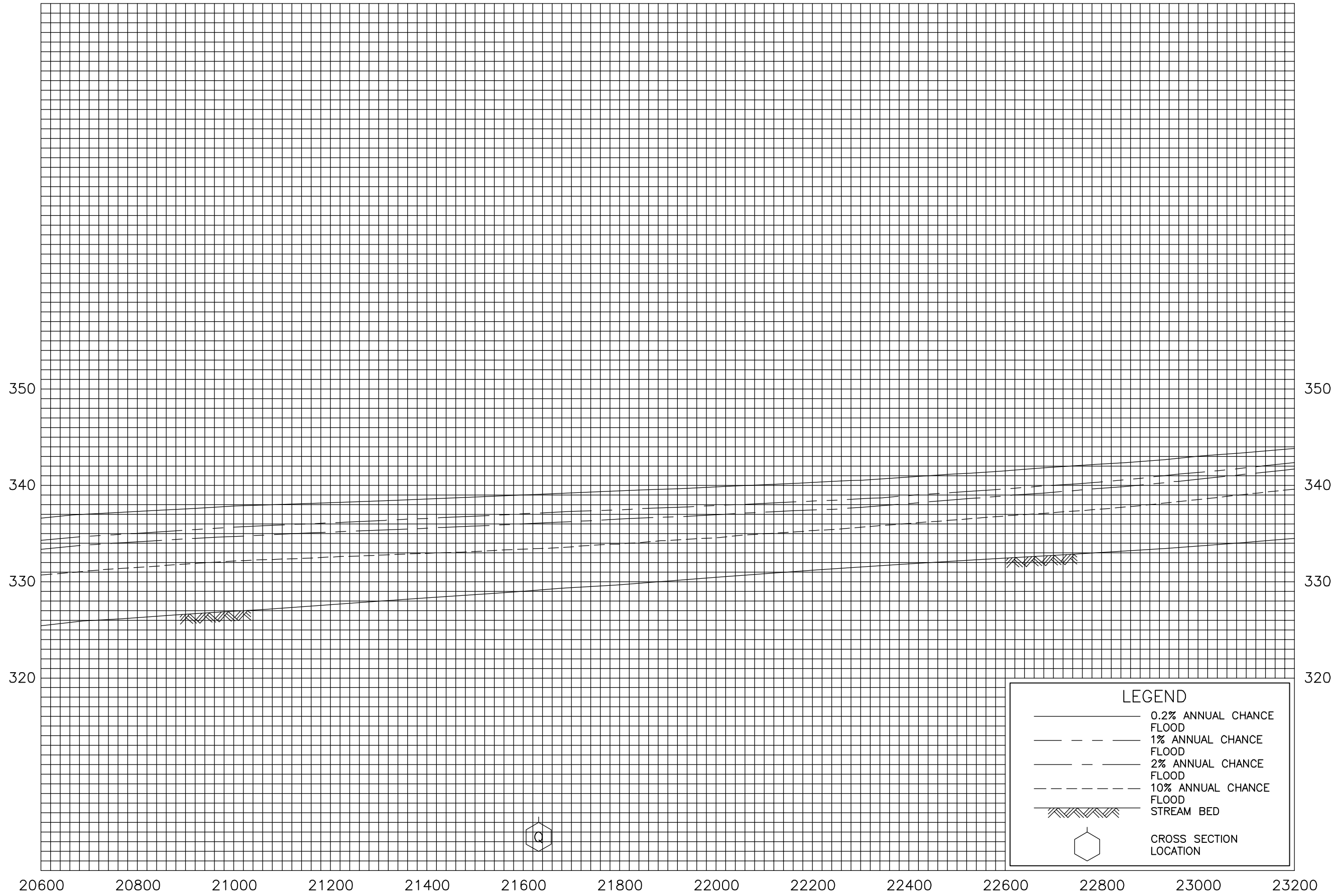
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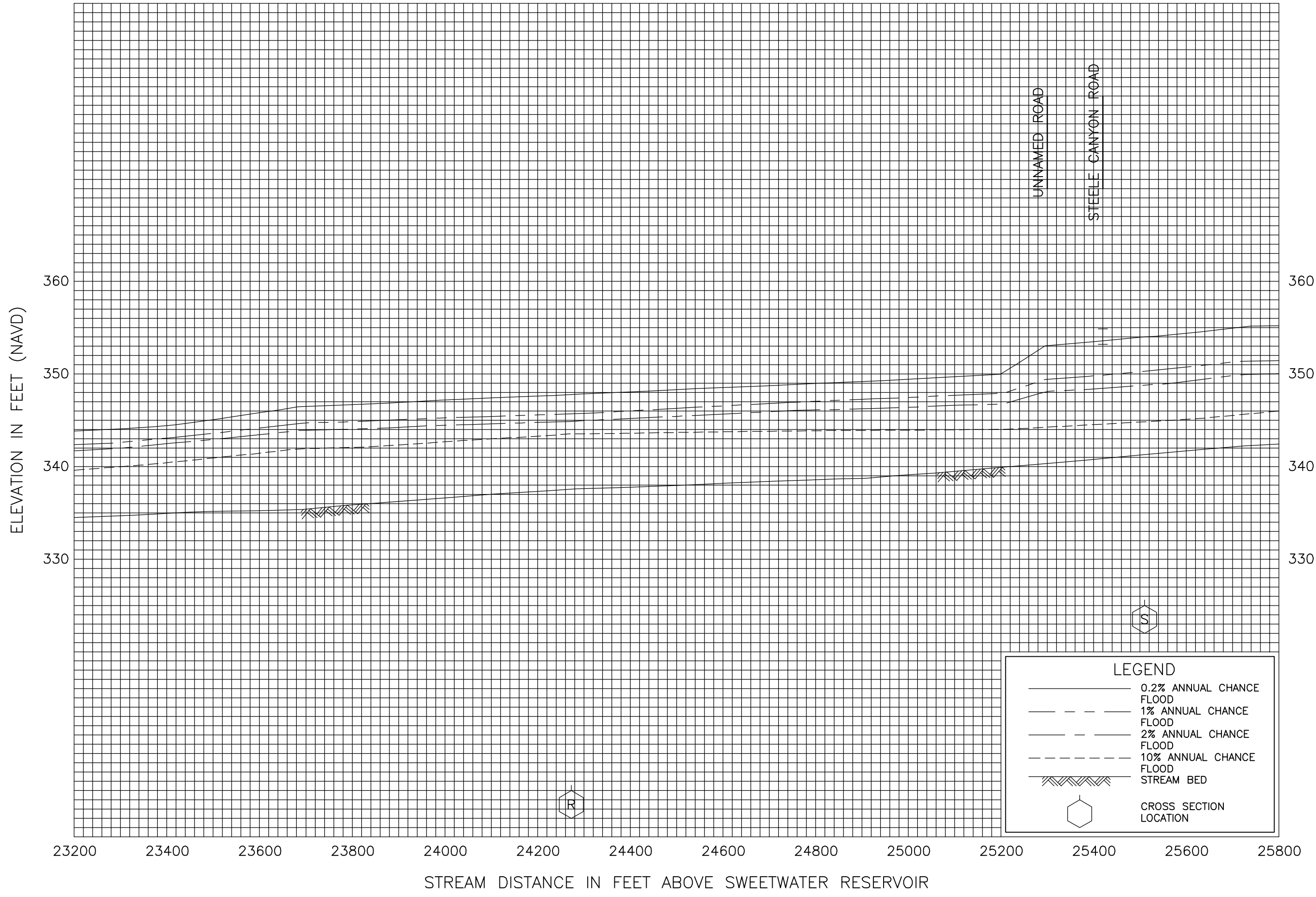
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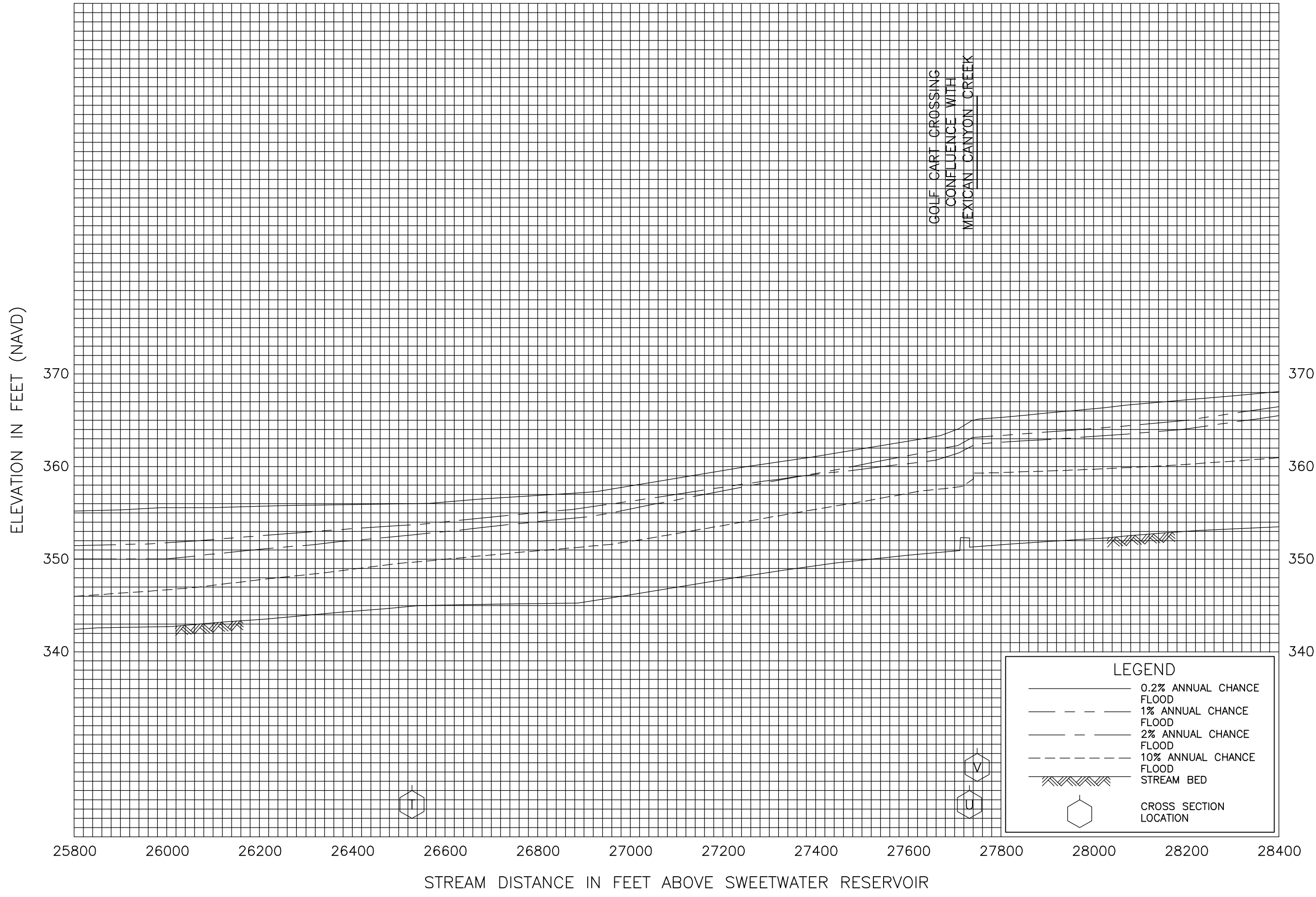
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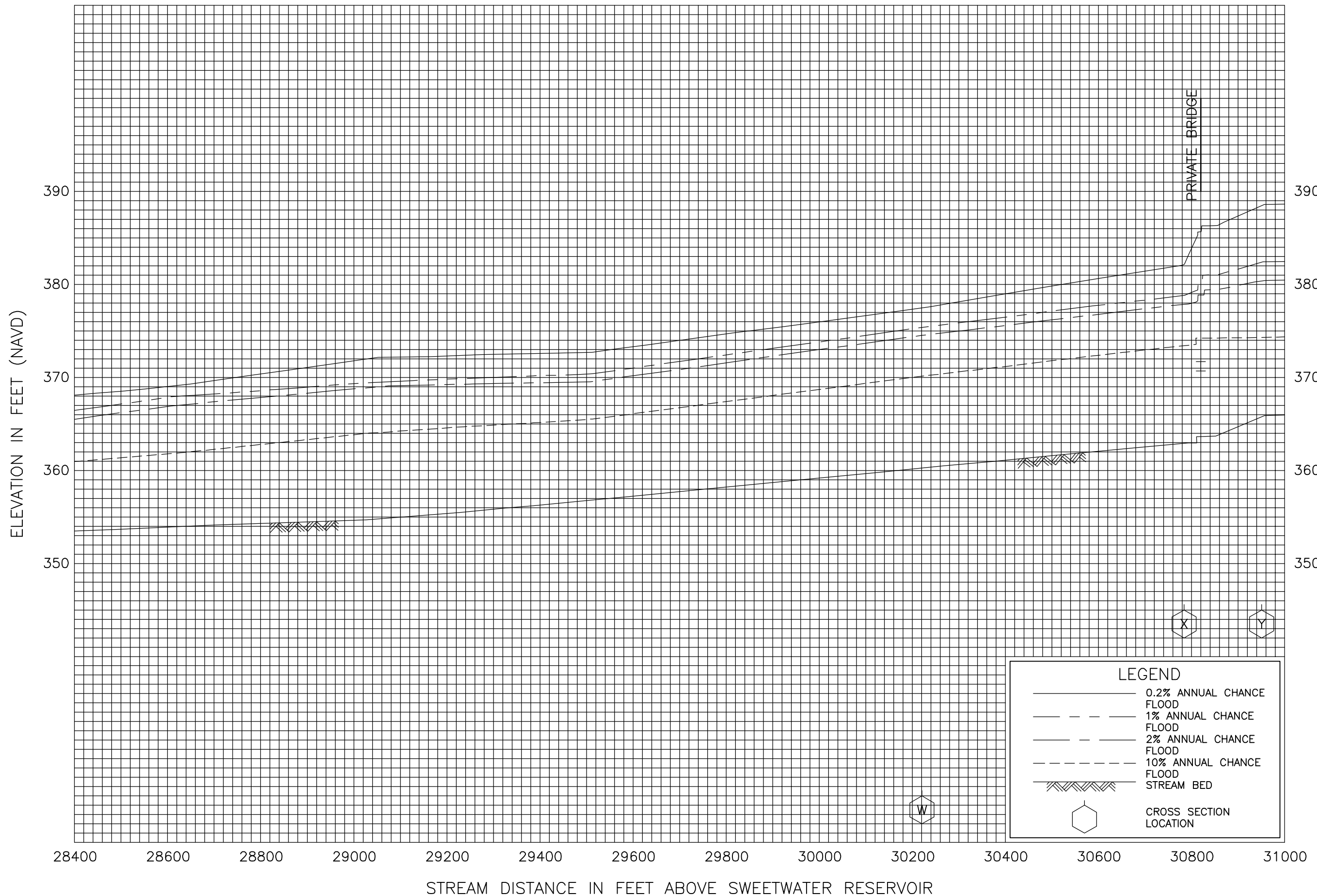
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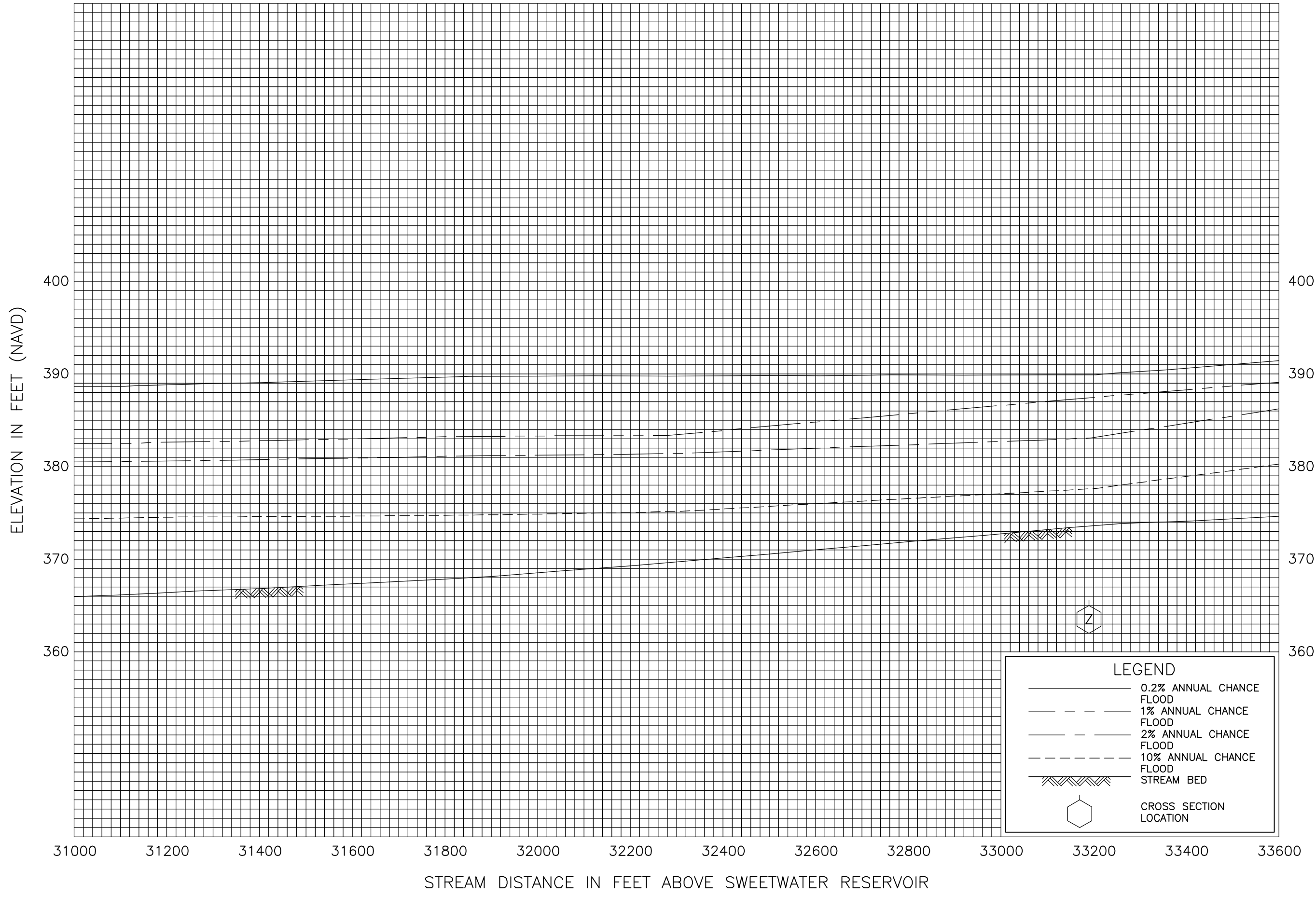


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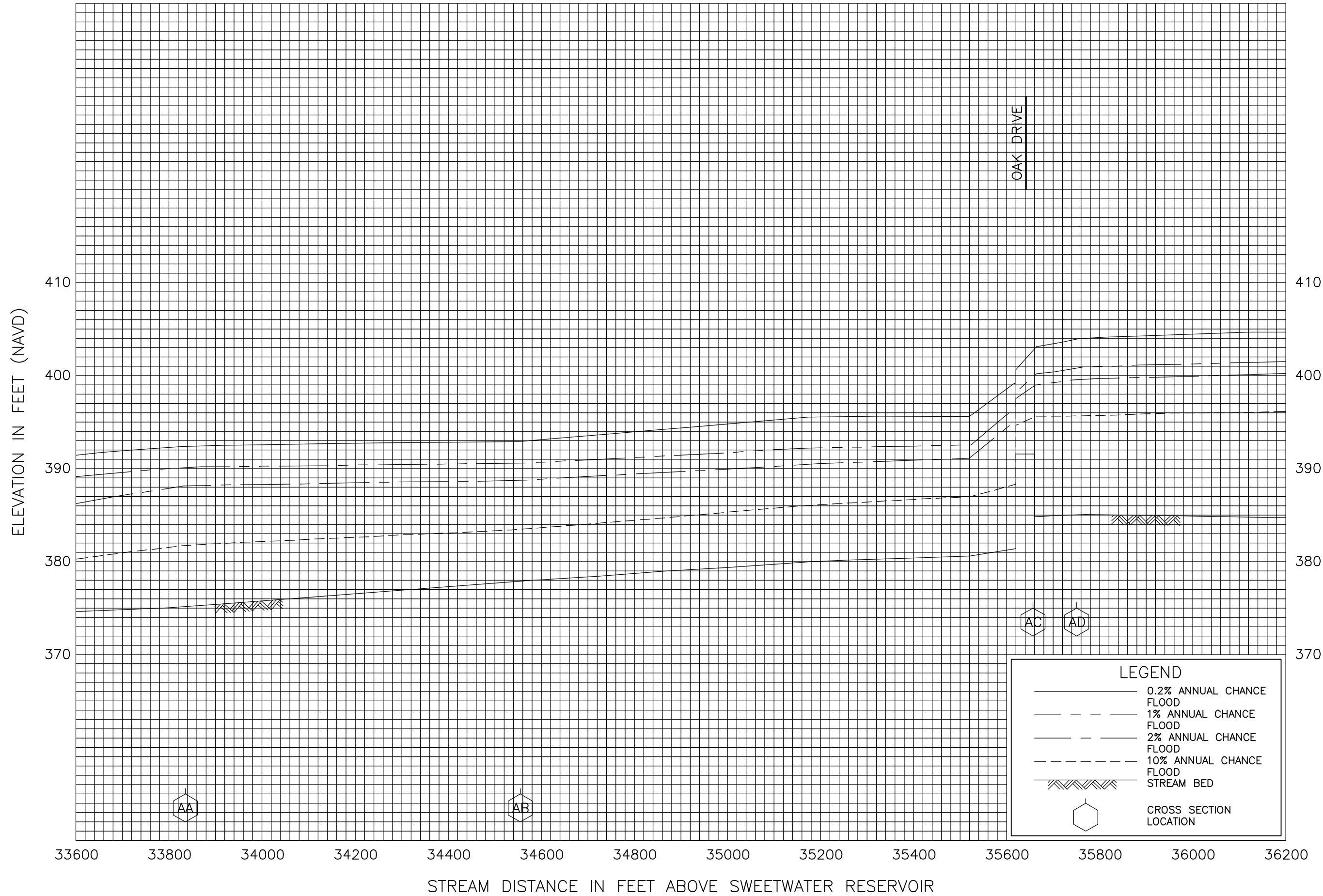


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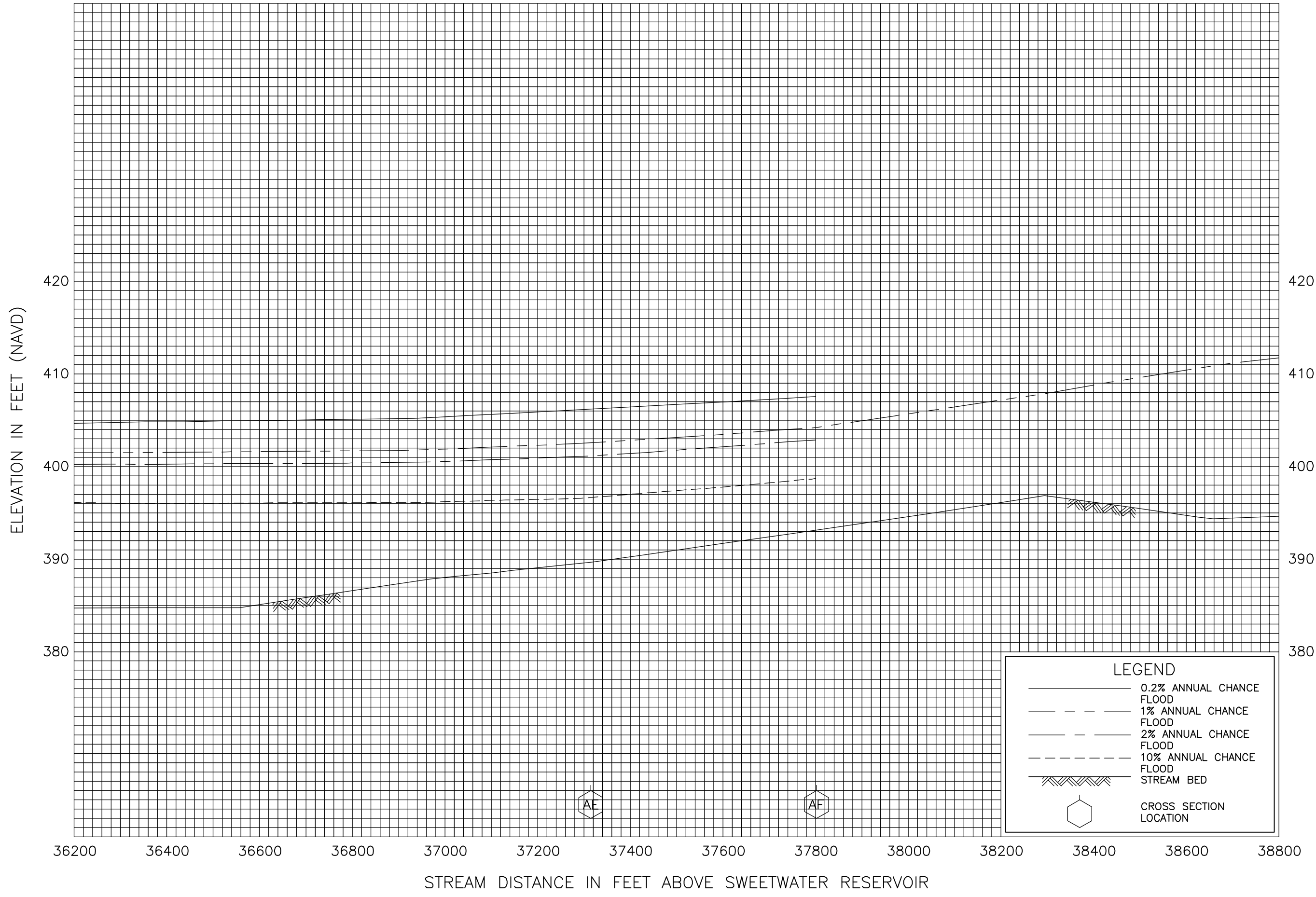
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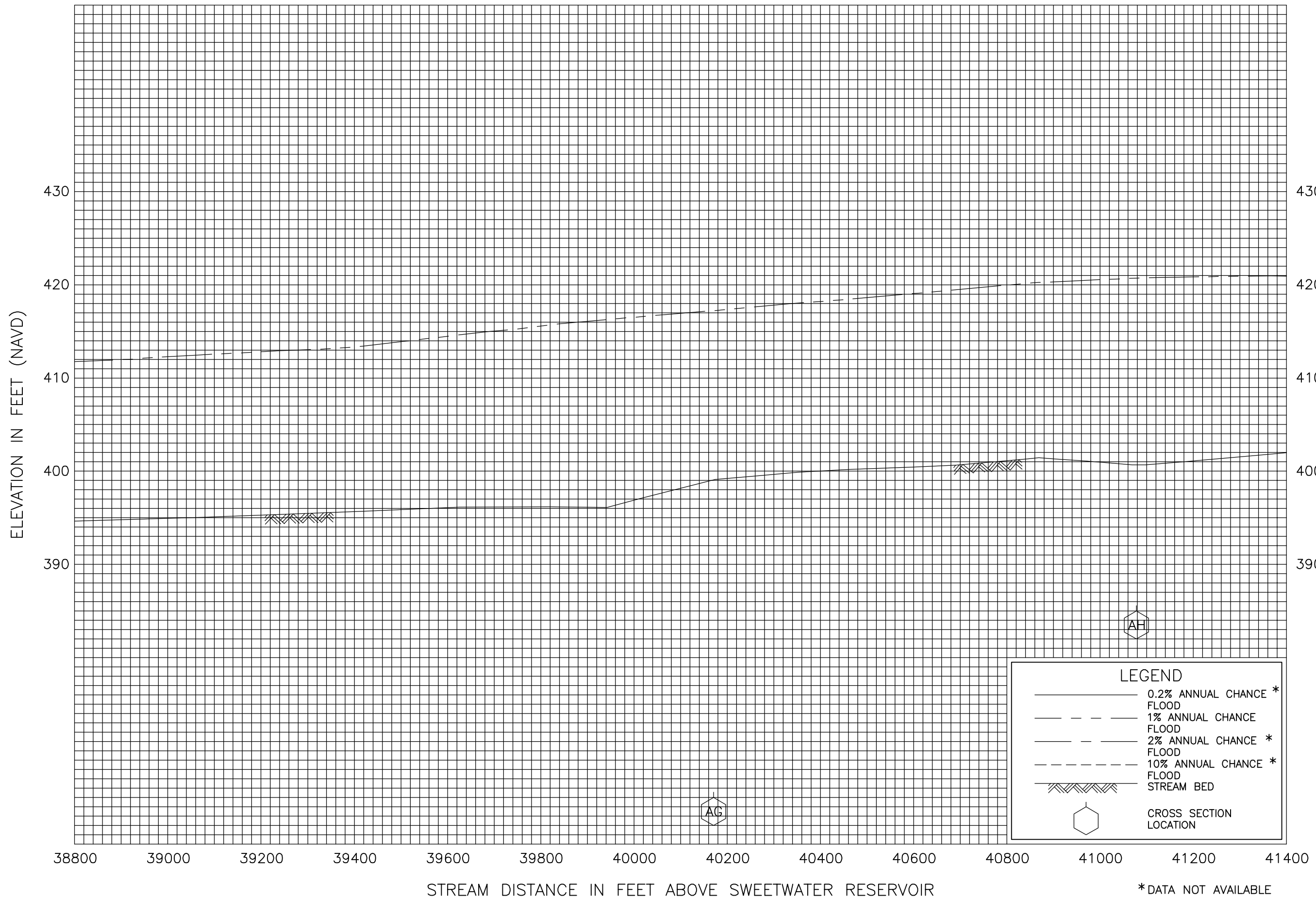
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**LEGEND**

- 0.2% ANNUAL CHANCE \* FLOOD
- - - 1% ANNUAL CHANCE FLOOD
- . - 2% ANNUAL CHANCE \* FLOOD
- · · 10% ANNUAL CHANCE \* FLOOD
- ▨ STREAM BED
- ⬡ CROSS SECTION LOCATION

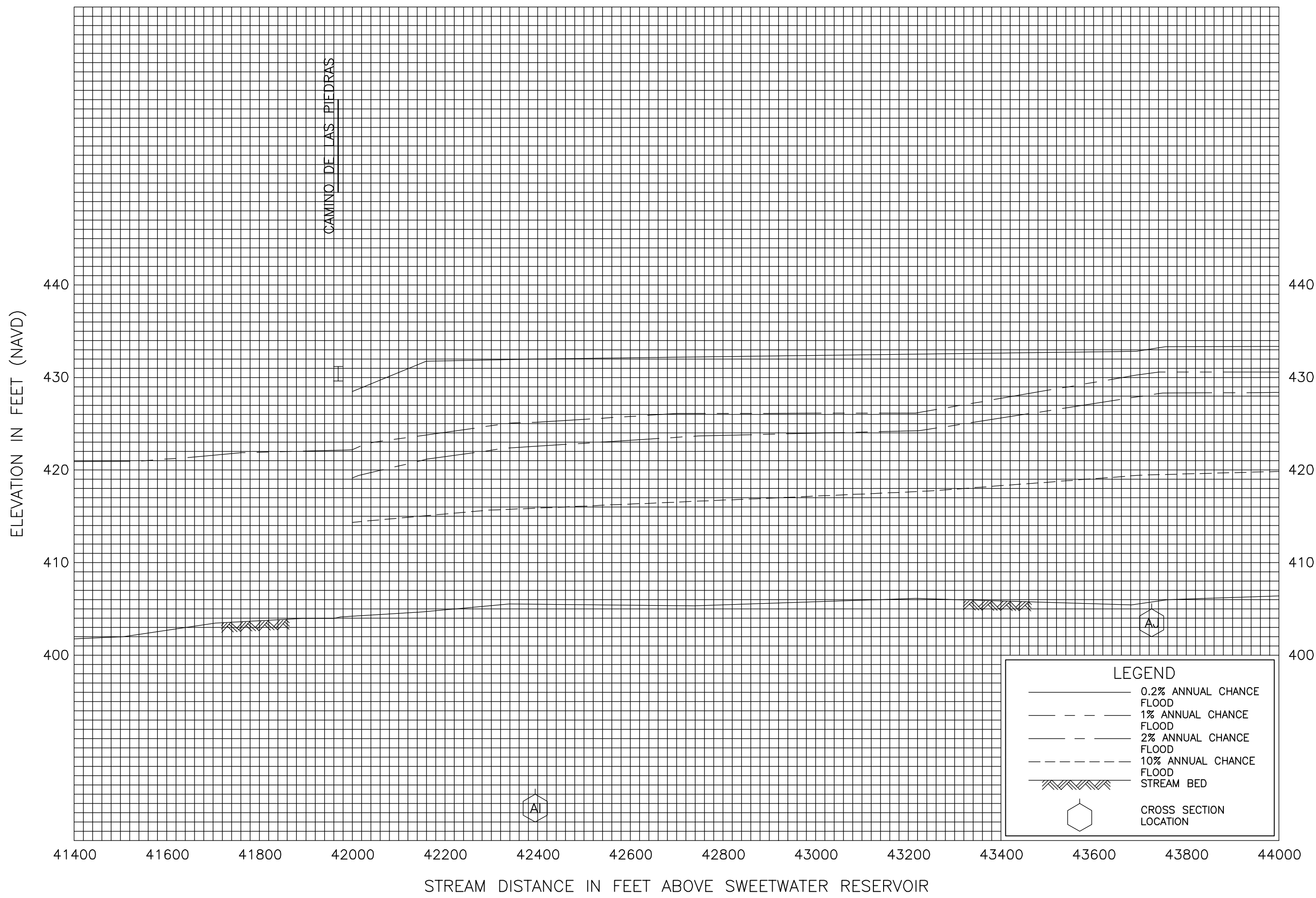
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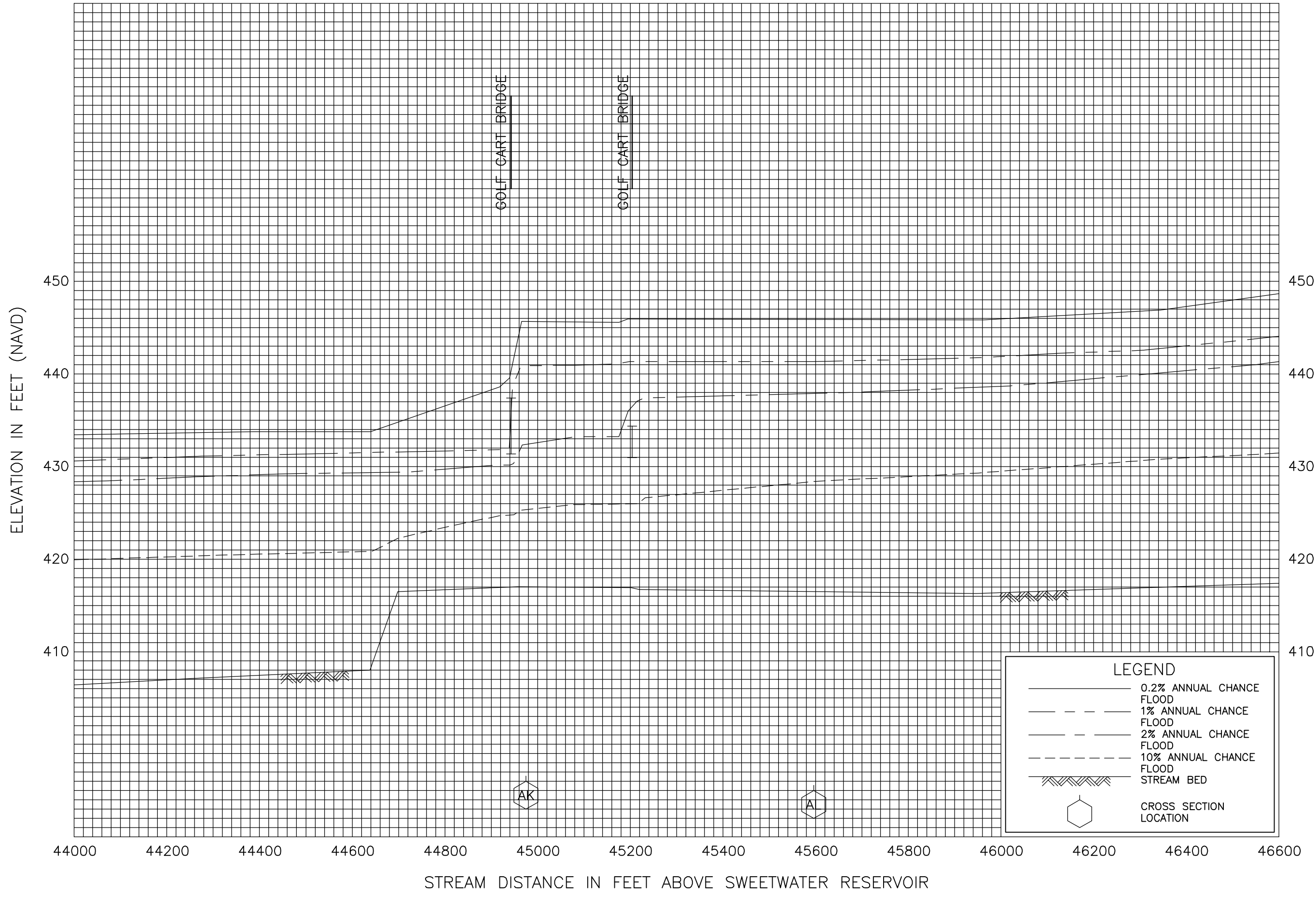




| LEGEND |                          |
|--------|--------------------------|
|        | 0.2% ANNUAL CHANCE FLOOD |
|        | 1% ANNUAL CHANCE FLOOD   |
|        | 2% ANNUAL CHANCE FLOOD   |
|        | 10% ANNUAL CHANCE FLOOD  |
|        | STREAM BED               |
|        | CROSS SECTION LOCATION 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

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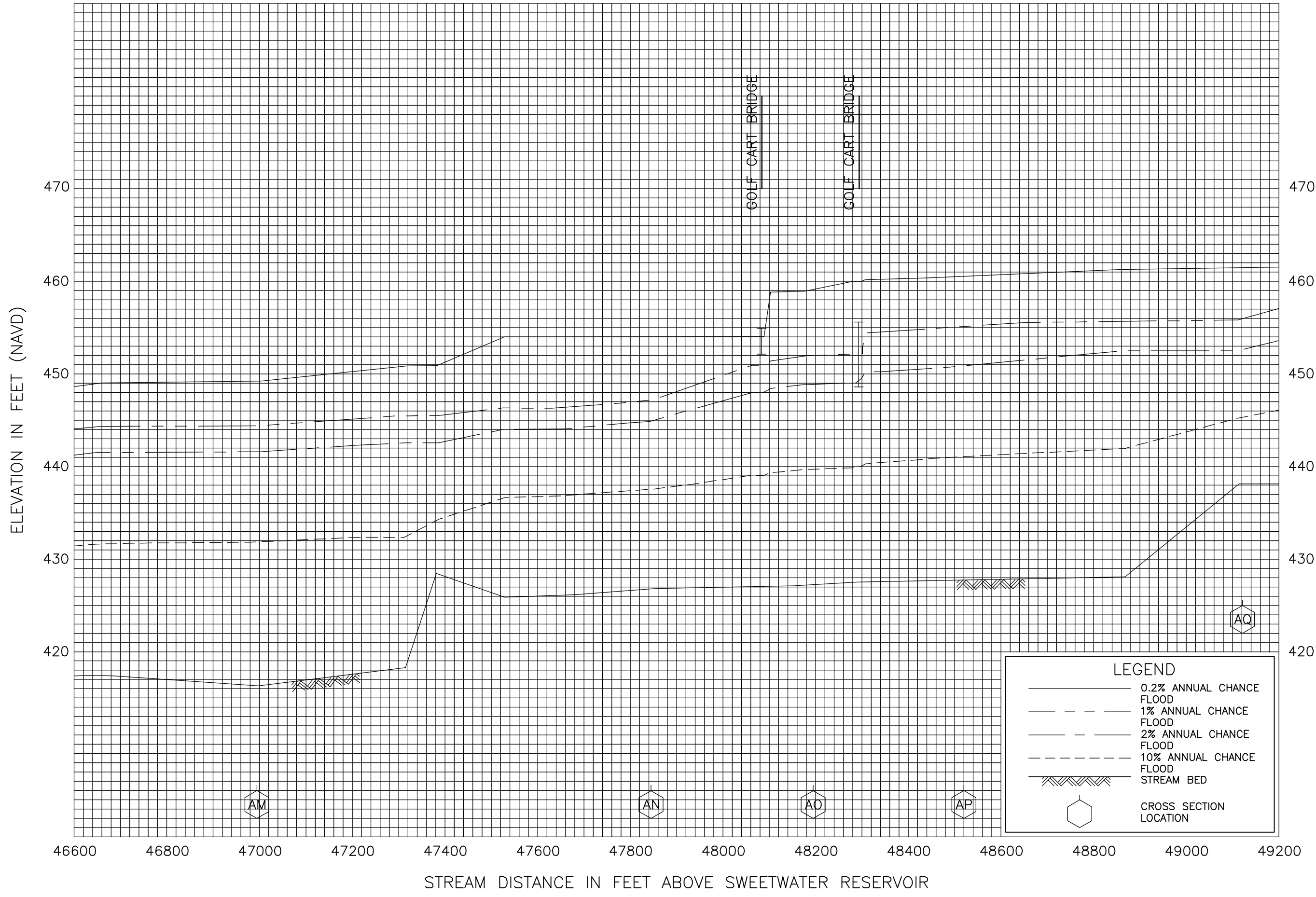


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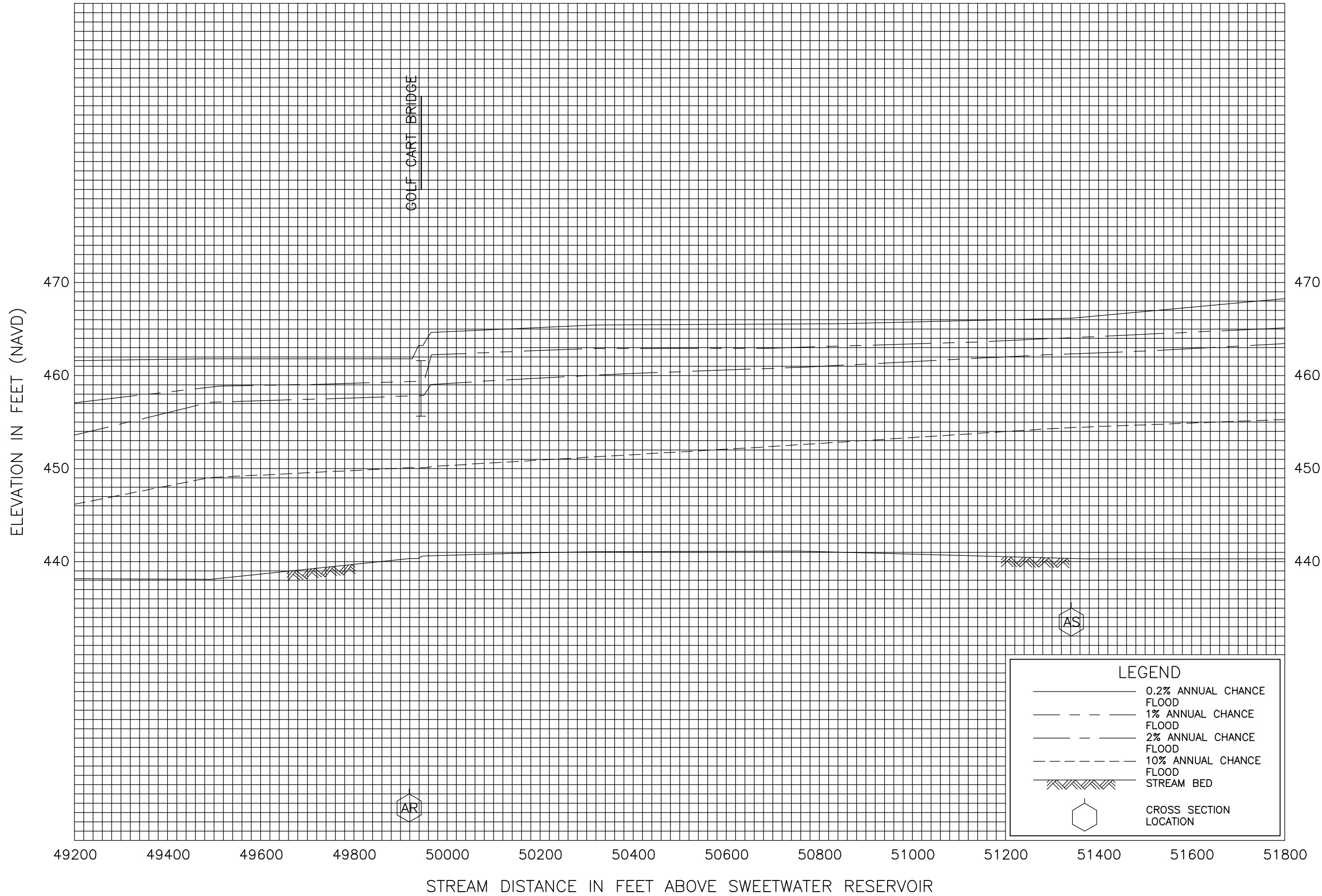
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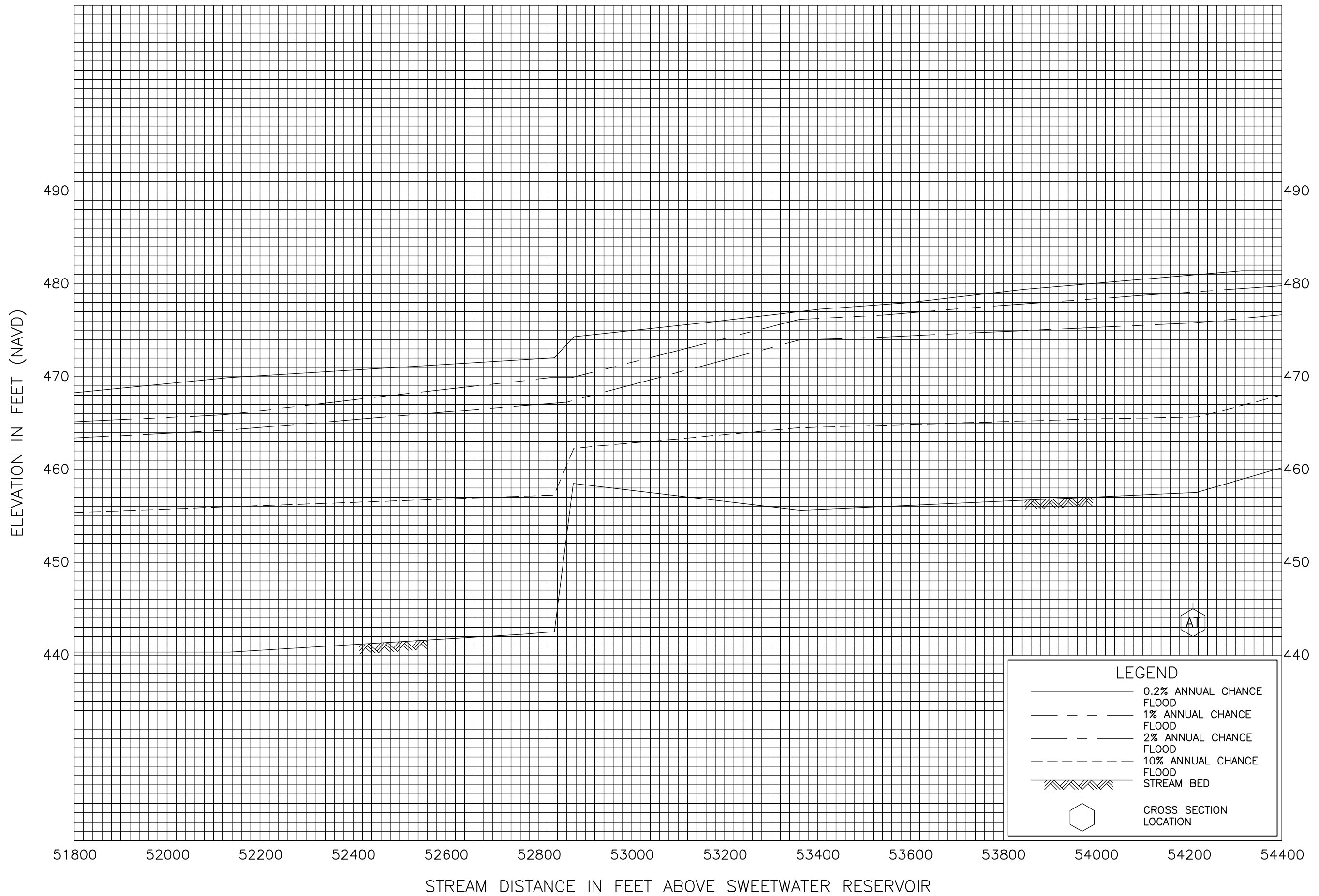
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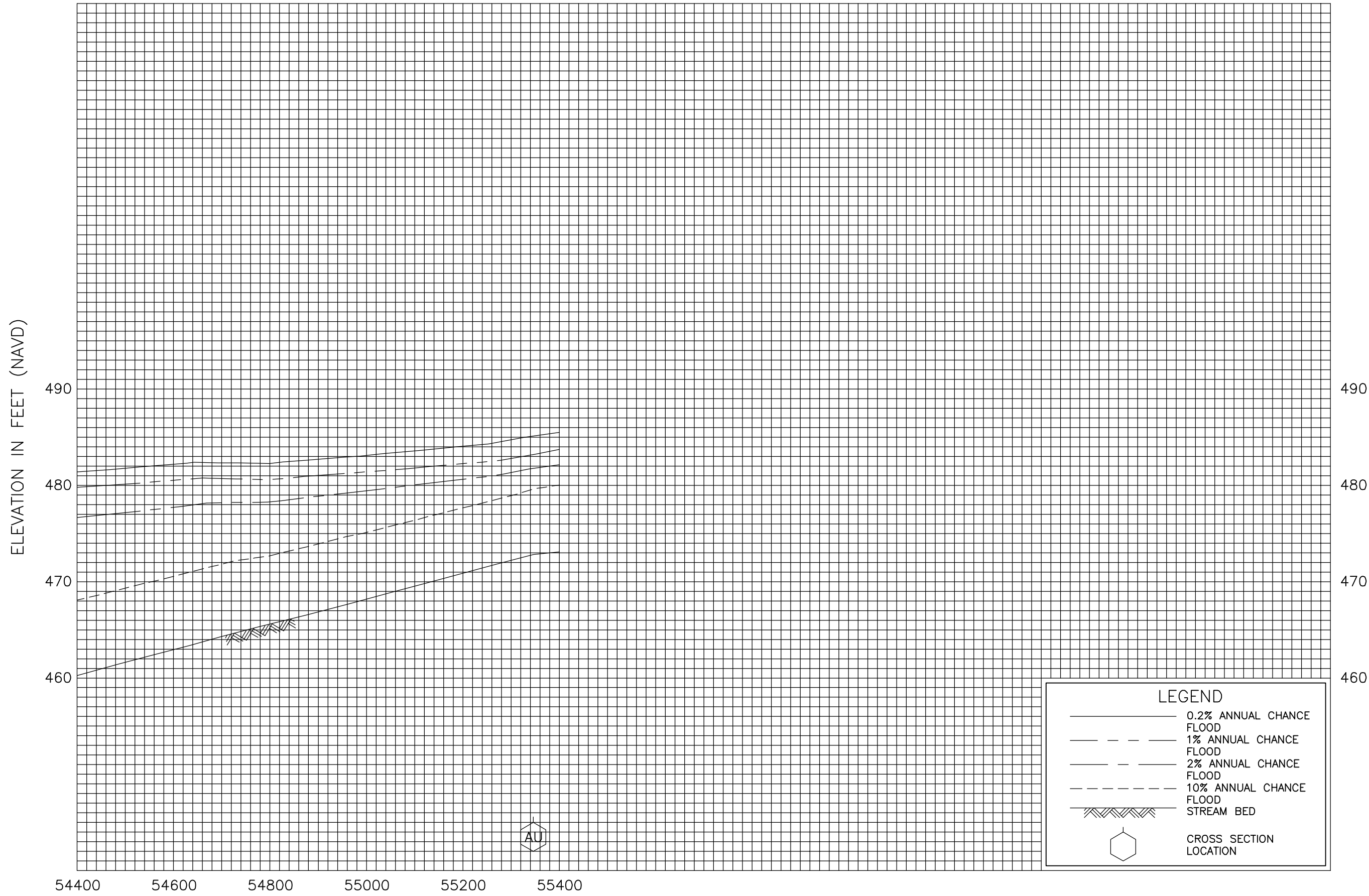


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FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



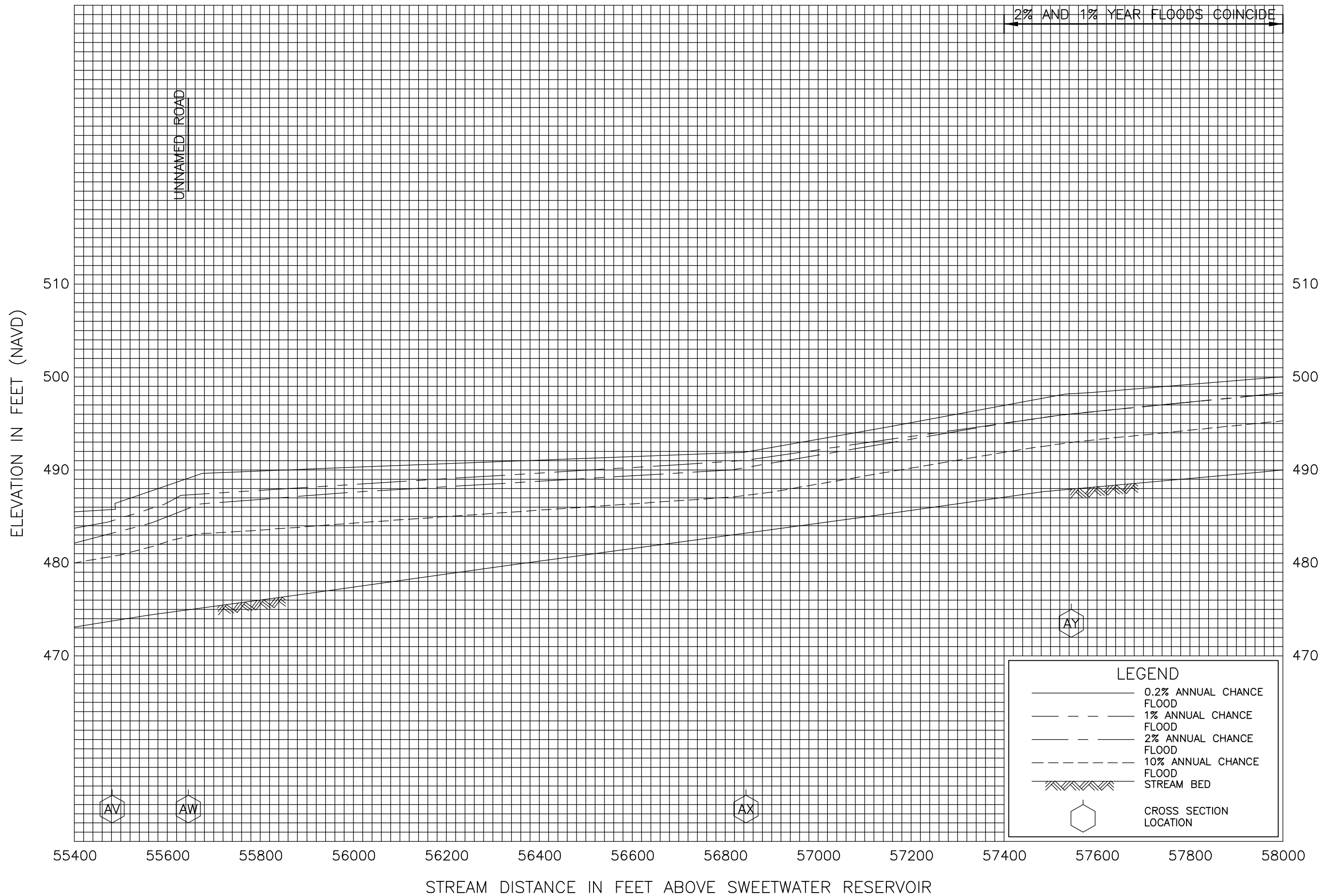
| LEGEND |                          |
|--------|--------------------------|
|        | 0.2% ANNUAL CHANCE FLOOD |
|        | 1% ANNUAL CHANCE FLOOD   |
|        | 2% ANNUAL CHANCE FLOOD   |
|        | 10% ANNUAL CHANCE FLOOD  |
|        | STREAM BED               |
|        | CROSS SECTION LOCATION 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

FLOOD PROFILES

SWEETWATER RIVER (ABOVE RESERVOIR)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

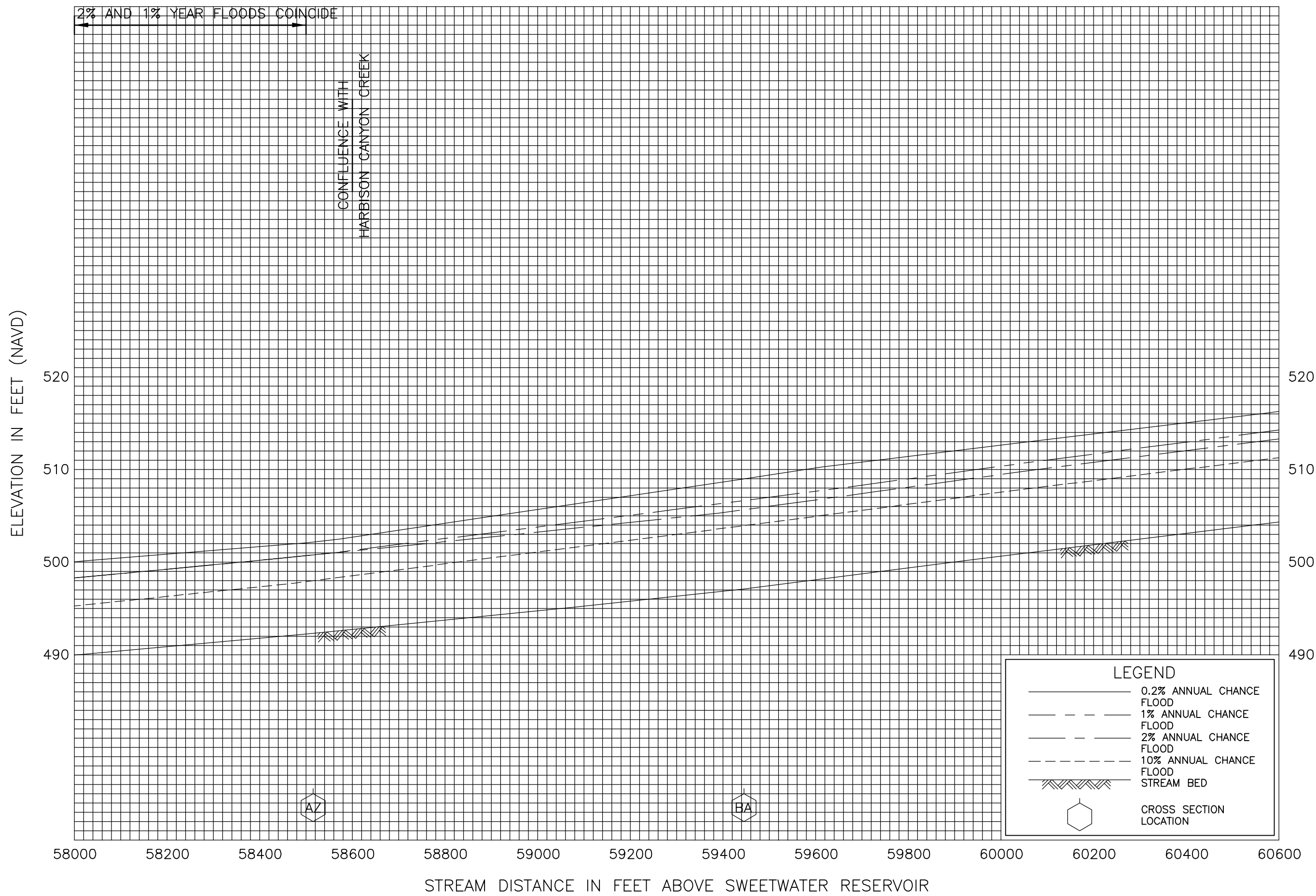


FLOOD PROFILES

SWEETWATER RIVER (ABOVE RESERVOIR)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

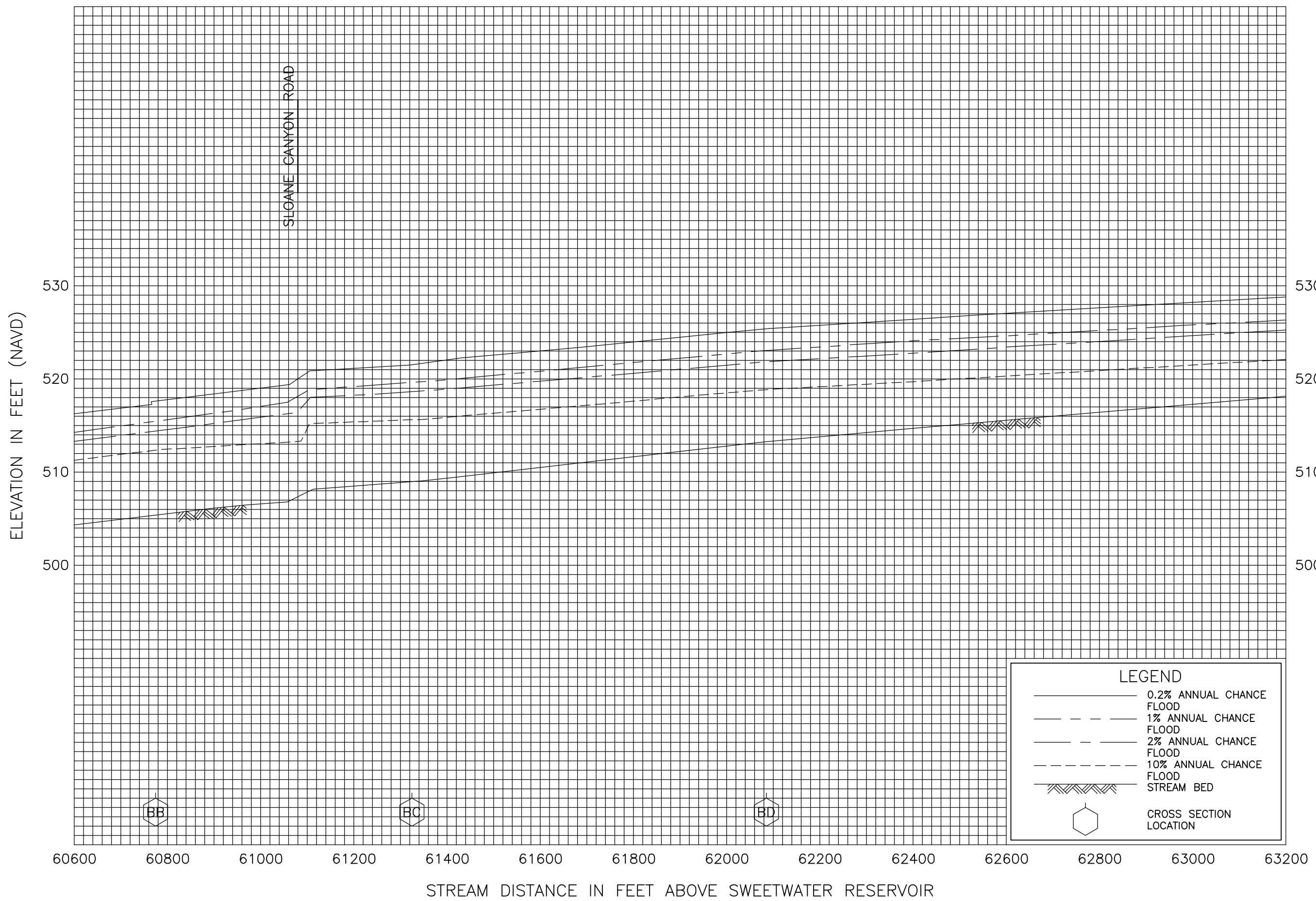


FLOOD PROFILES

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

SWEETWATER RIVER (ABOVE RESERVOIR)





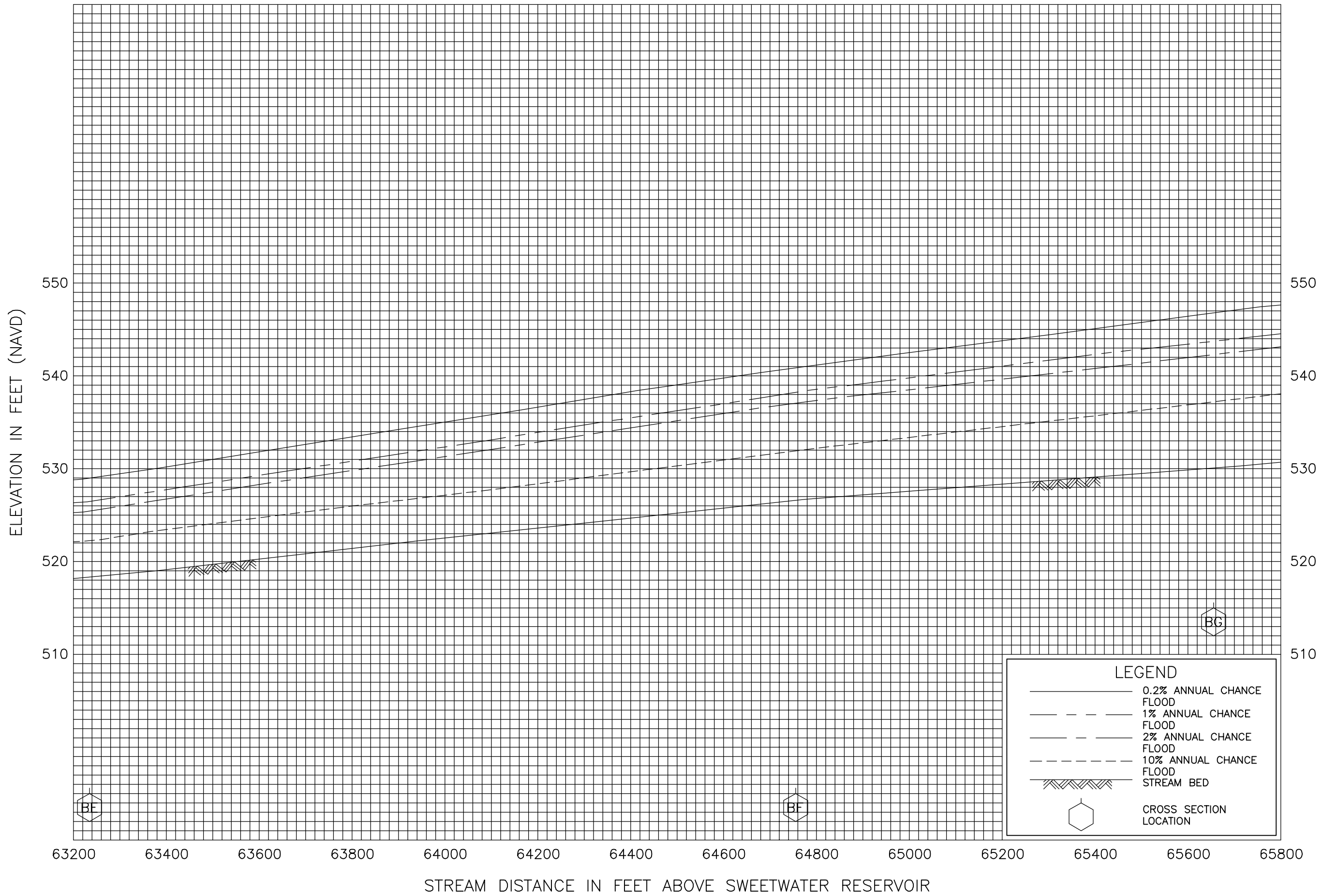
**LEGEND**

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

FLOOD PROFILES

SWEETWATER RIVER (ABOVE RESERVOIR)

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)



| LEGEND     |                          |
|------------|--------------------------|
| —          | 0.2% ANNUAL CHANCE FLOOD |
| - - -      | 1% ANNUAL CHANCE FLOOD   |
| - · - ·    | 2% ANNUAL CHANCE FLOOD   |
| - - - -    | 10% ANNUAL CHANCE FLOOD  |
| ▨▨▨▨▨▨▨▨▨▨ | STREAM BED               |
| ⬡          | CROSS SECTION LOCATION   |

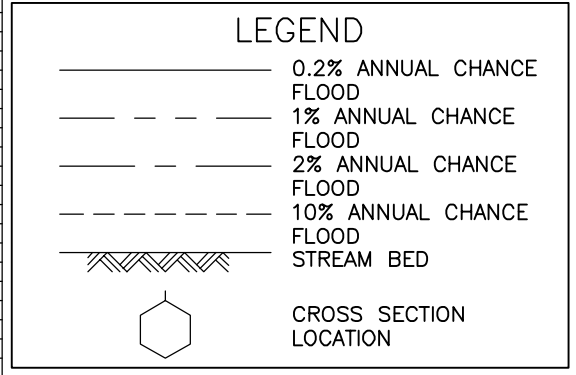
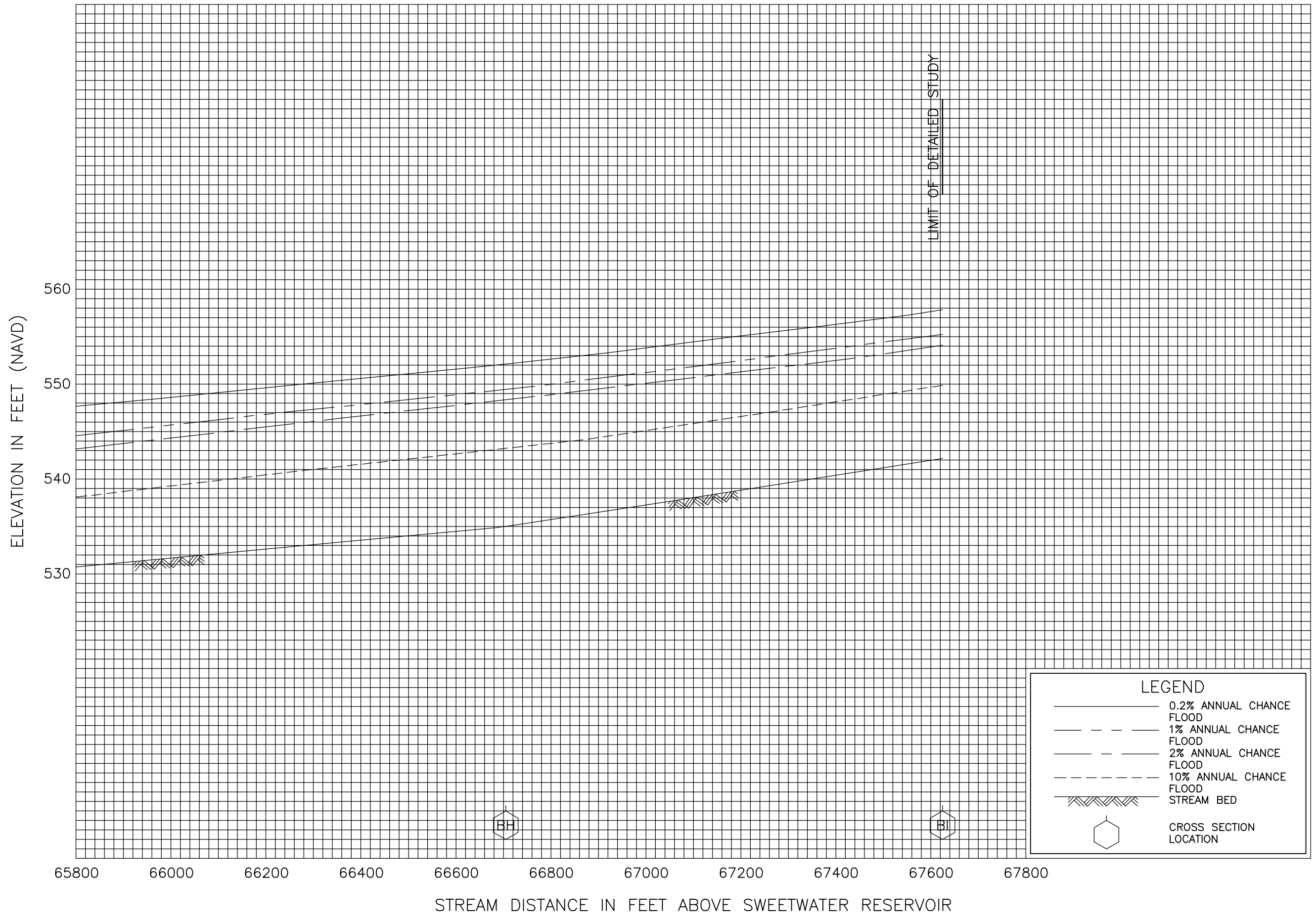
FLOOD PROFILES

SWEETWATER RIVER (ABOVE RESERVOIR)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

495P



FLOOD PROFILES

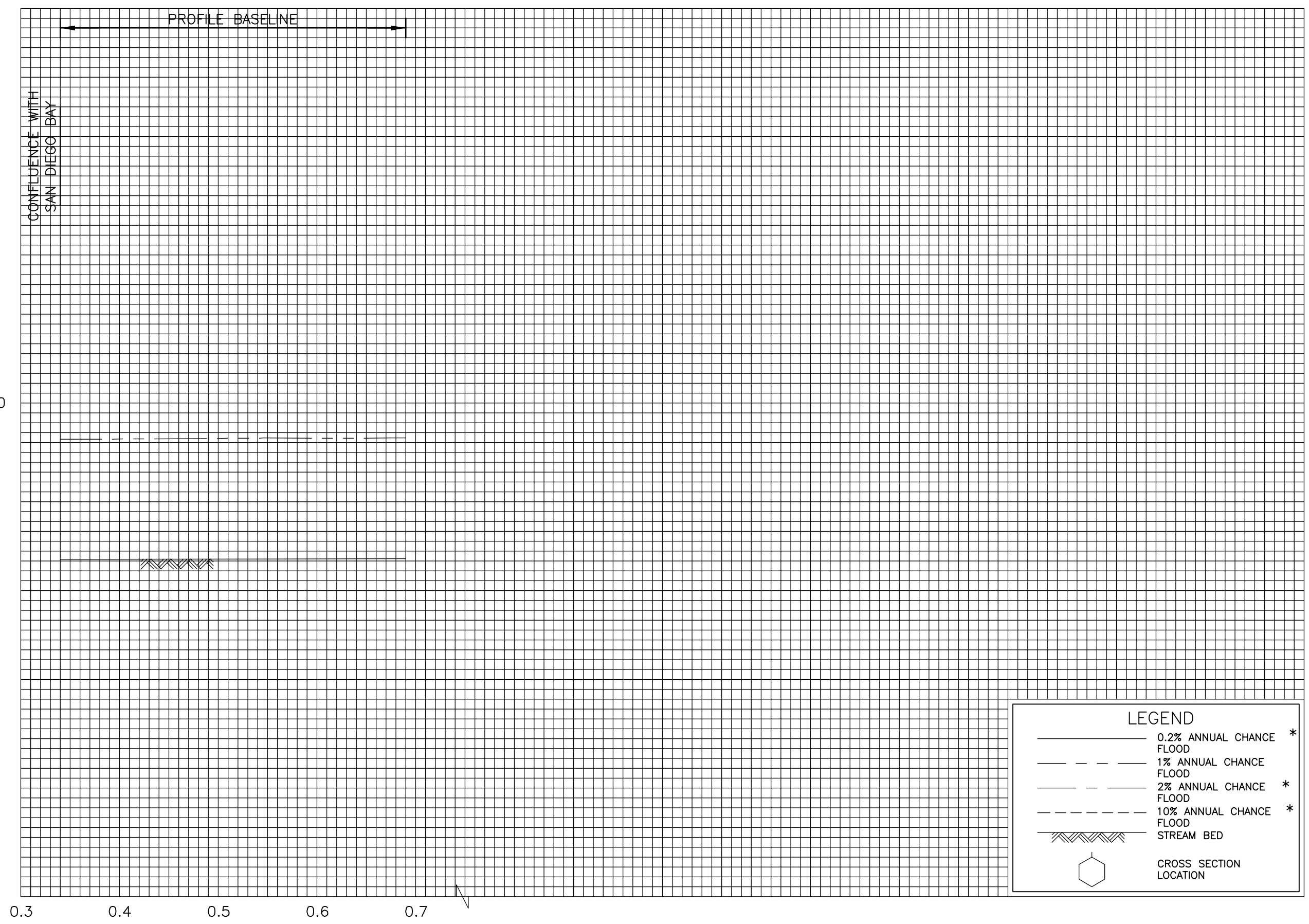
SWEETWATER RIVER (ABOVE RESERVOIR)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

496P

ELEVATION IN FEET (NAVD)

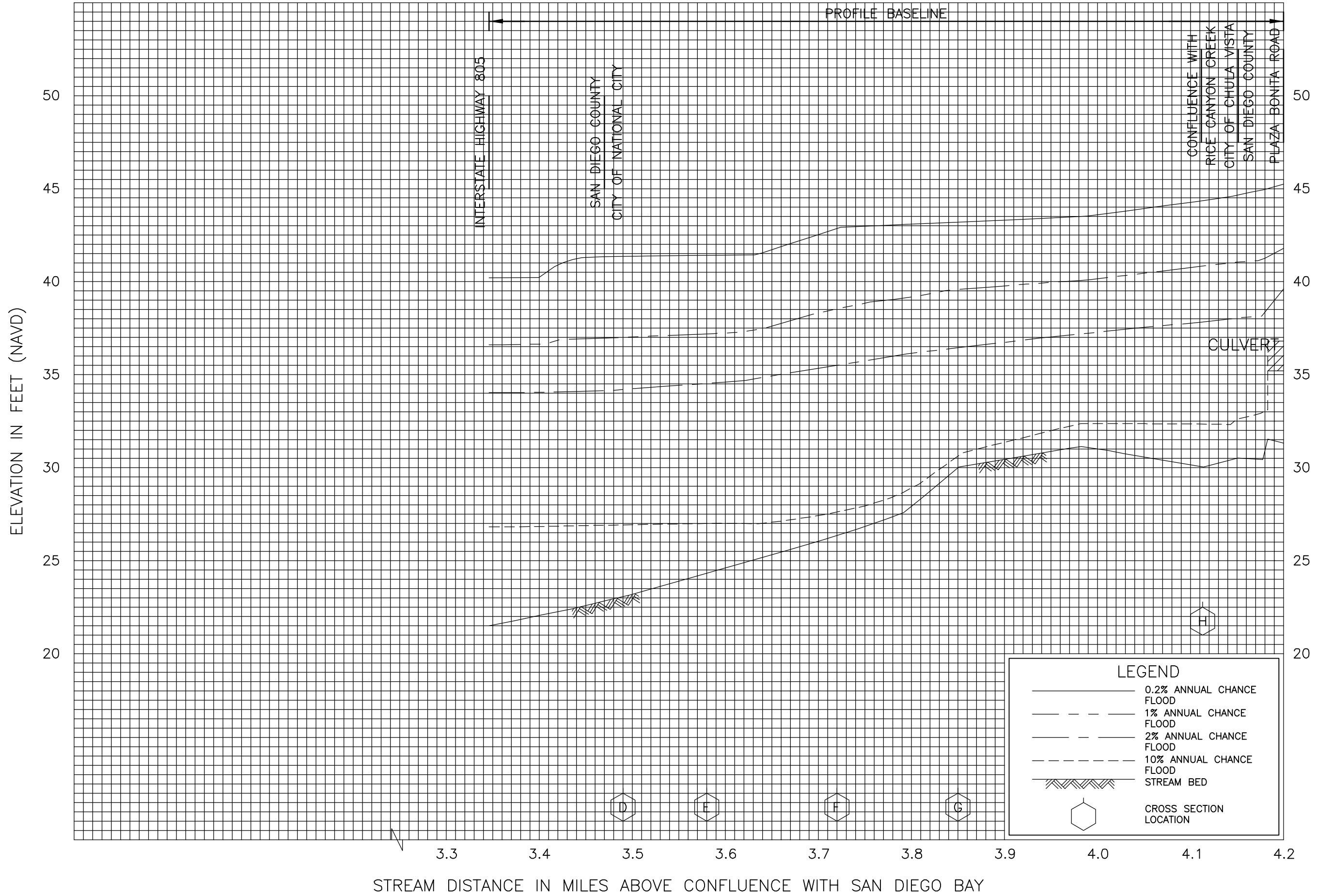


STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH SAN DIEGO BAY

\*DATA NOT AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

FLOOD PROFILES  
SWEETWATER RIVER (AT NATIONAL CITY)

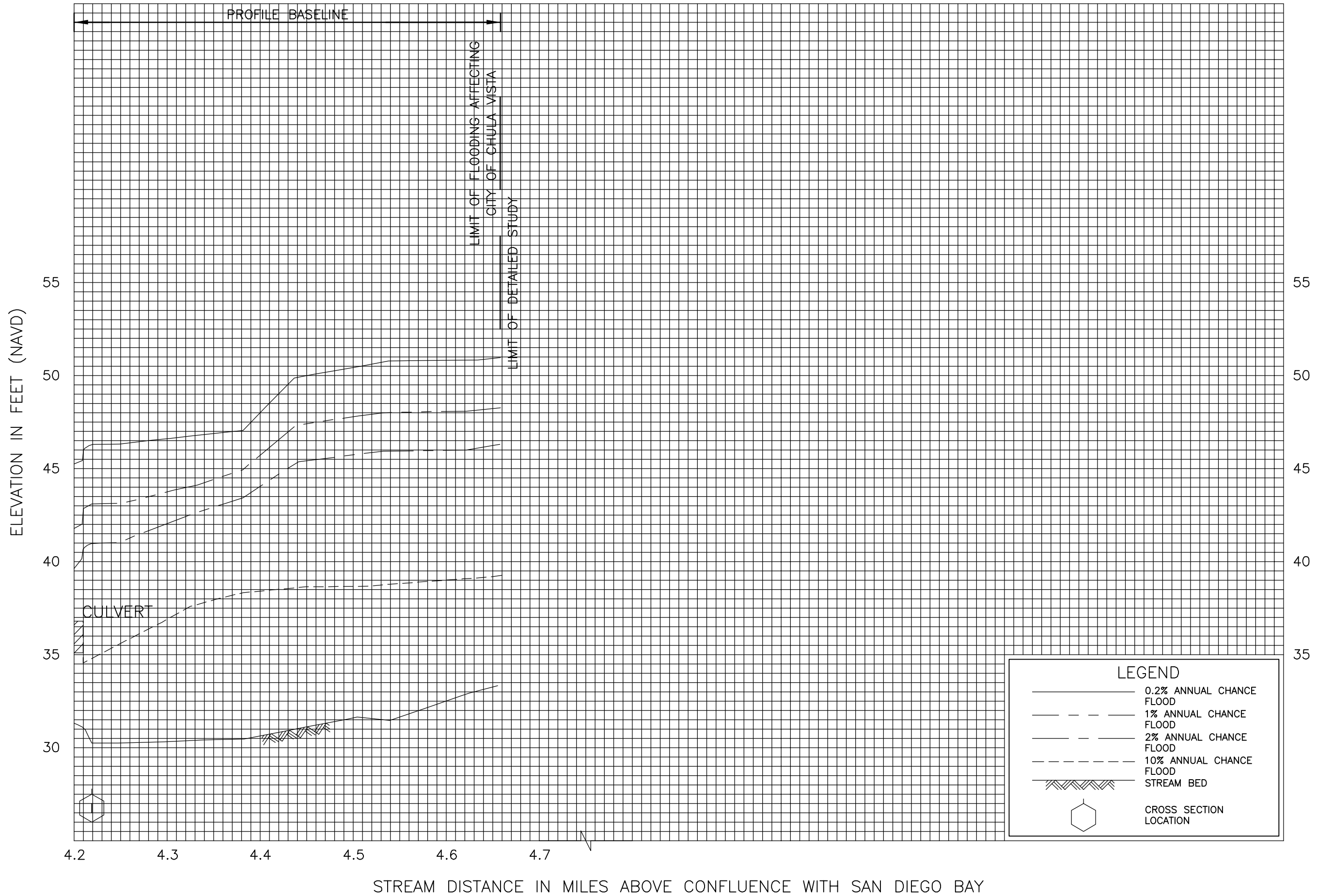


FLOOD PROFILES

SWEETWATER RIVER (AT NATIONAL CITY)

FEDERAL EMERGENCY MANAGEMENT AGENCY

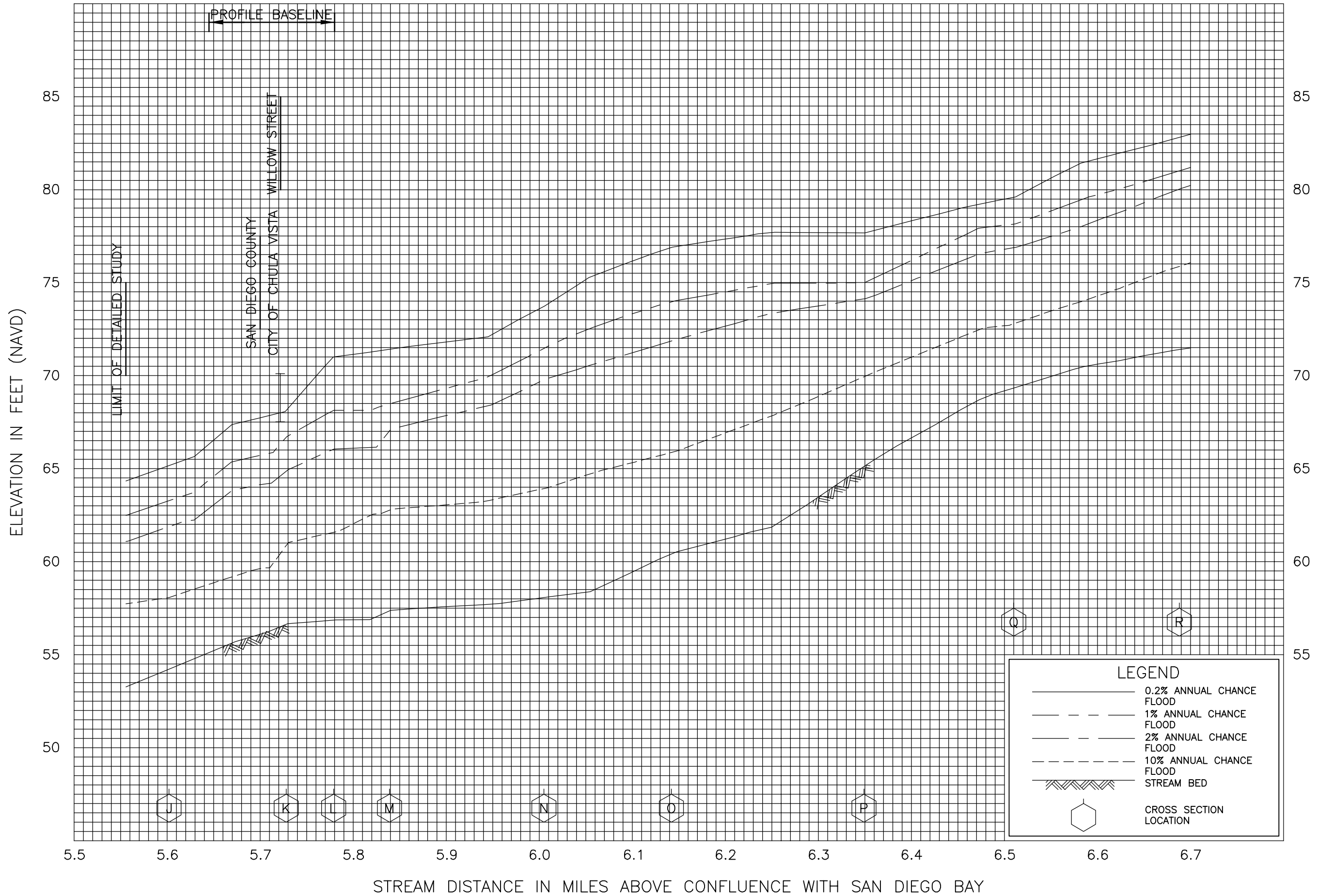
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

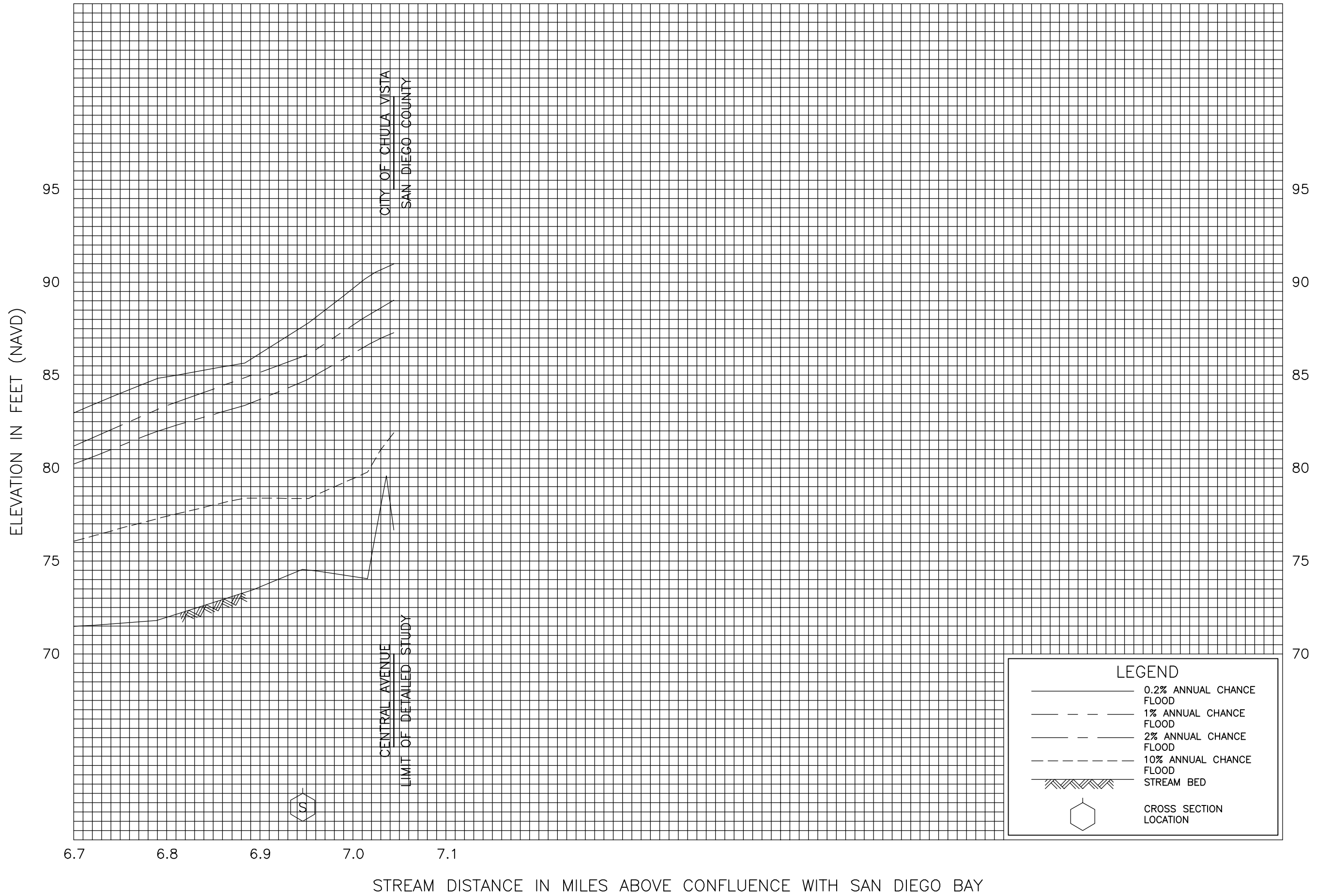
SWEETWATER RIVER (AT NATIONAL CITY)



FLOOD PROFILES

SWEETWATER RIVER (AT NATIONAL CITY)

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

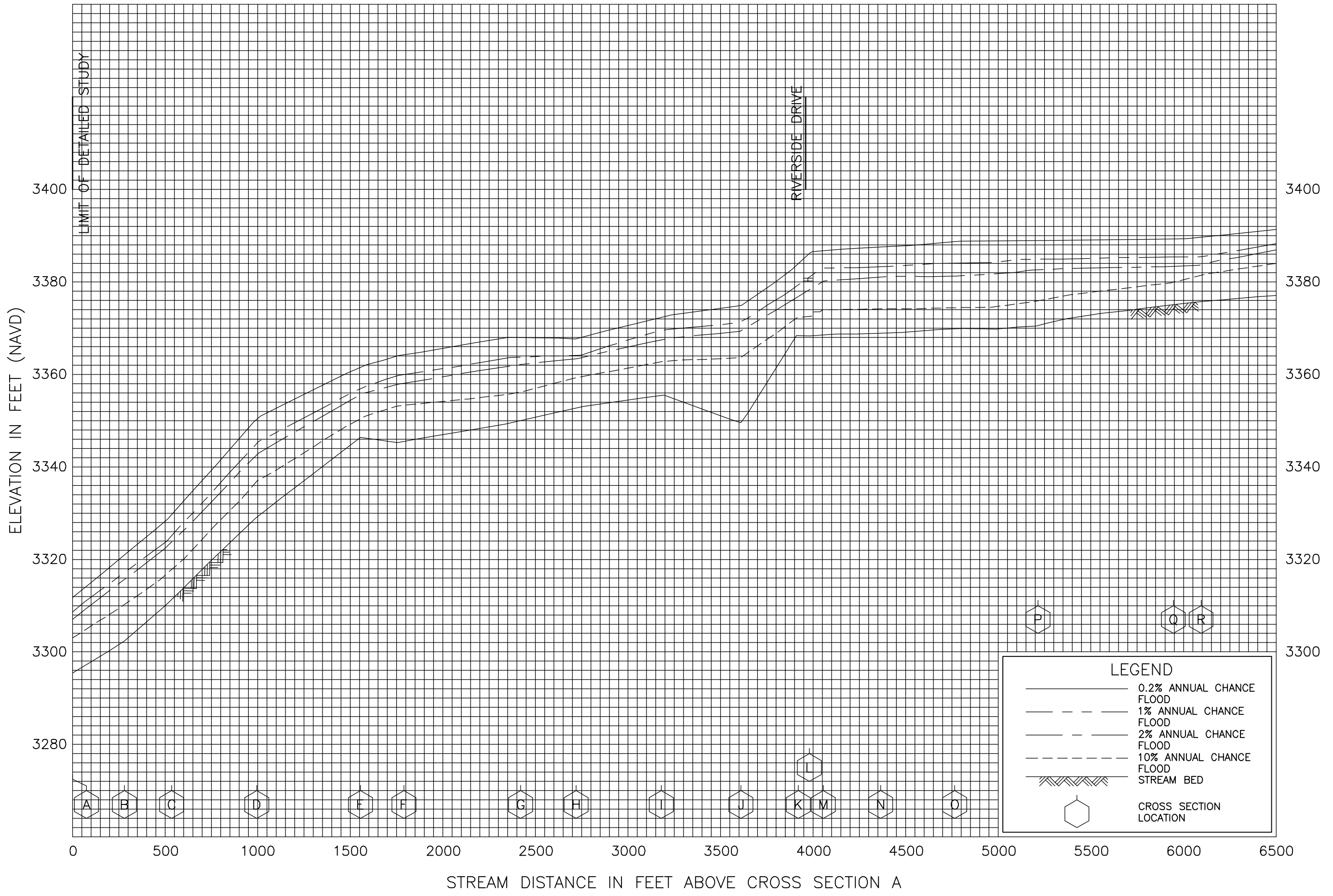


FLOOD PROFILES

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

SWEETWATER RIVER (AT NATIONAL CITY)

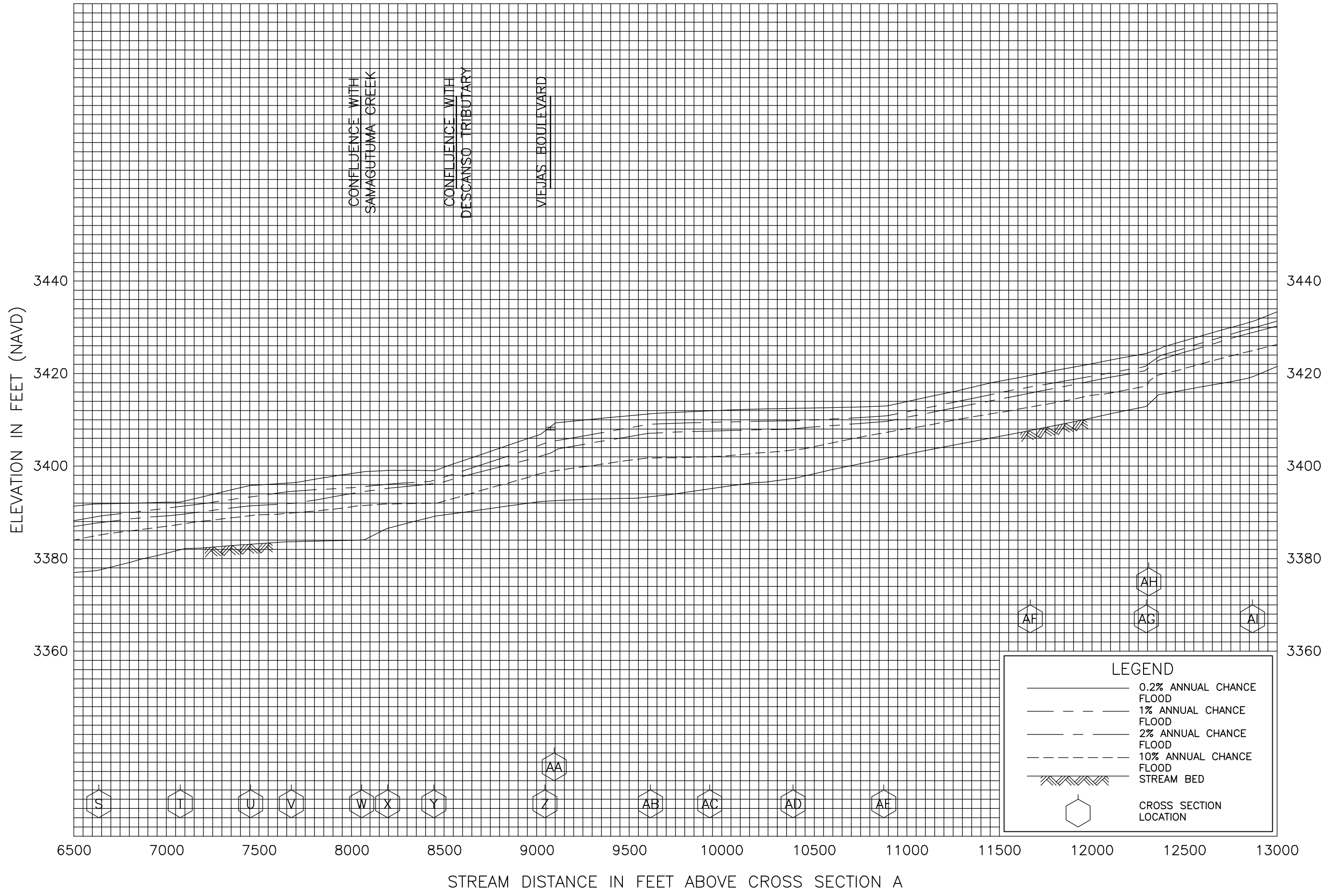




FLOOD PROFILES

SWEETWATER RIVER (DESCANSO AREA)

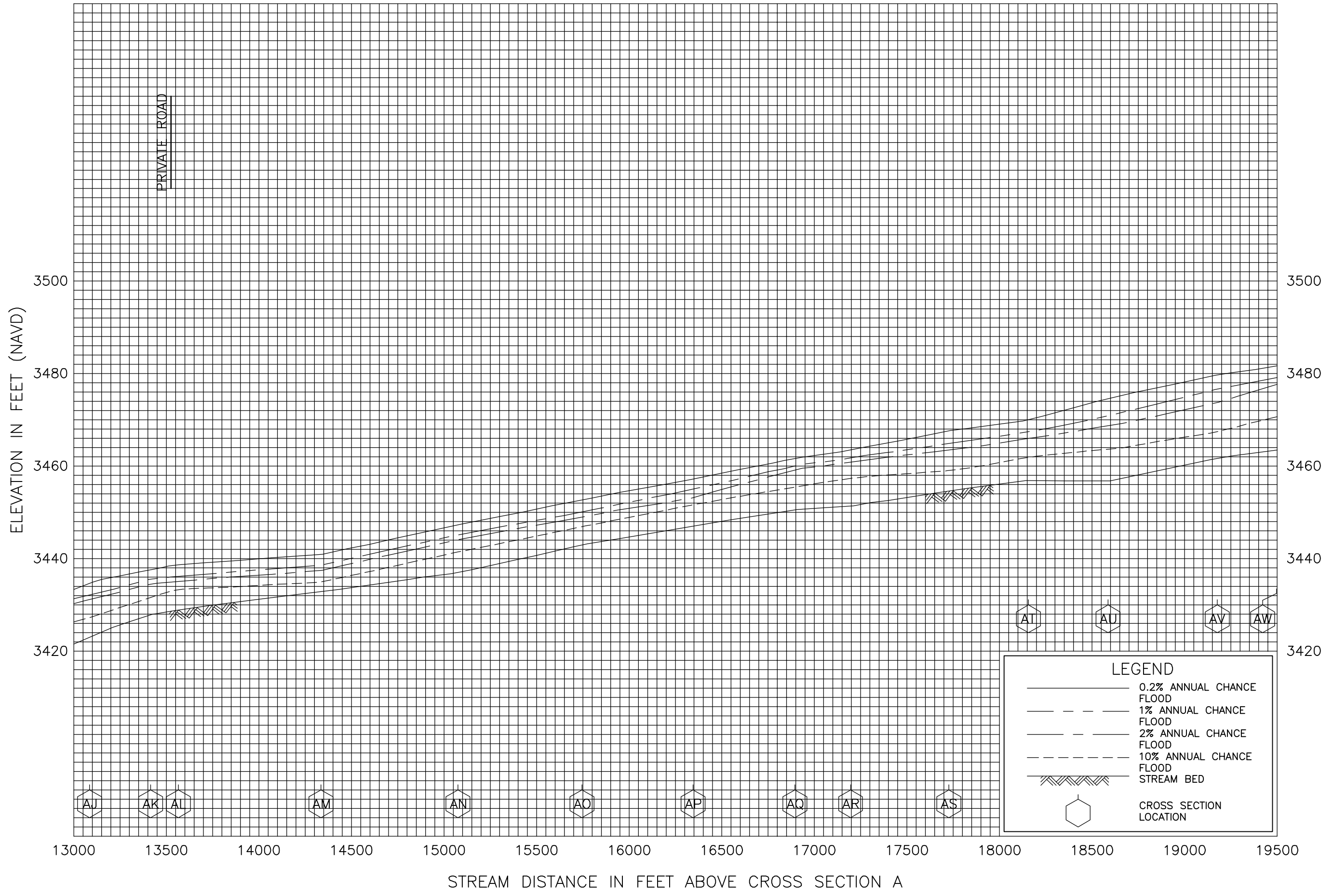
FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)



FLOOD PROFILES

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

SWEETWATER RIVER (DESCANSO AREA)

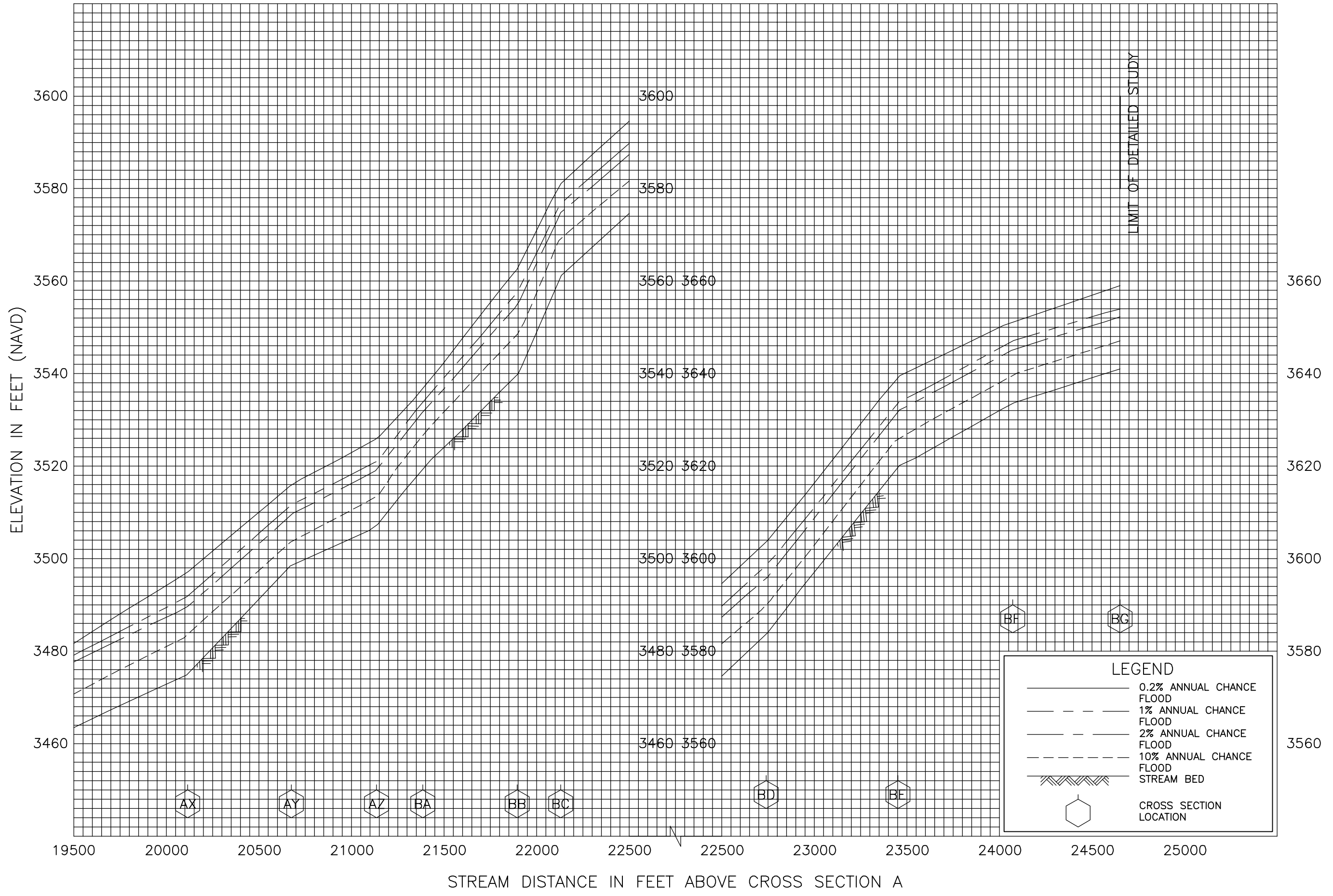


FLOOD PROFILES

SWEETWATER RIVER (DESCANSO AREA)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



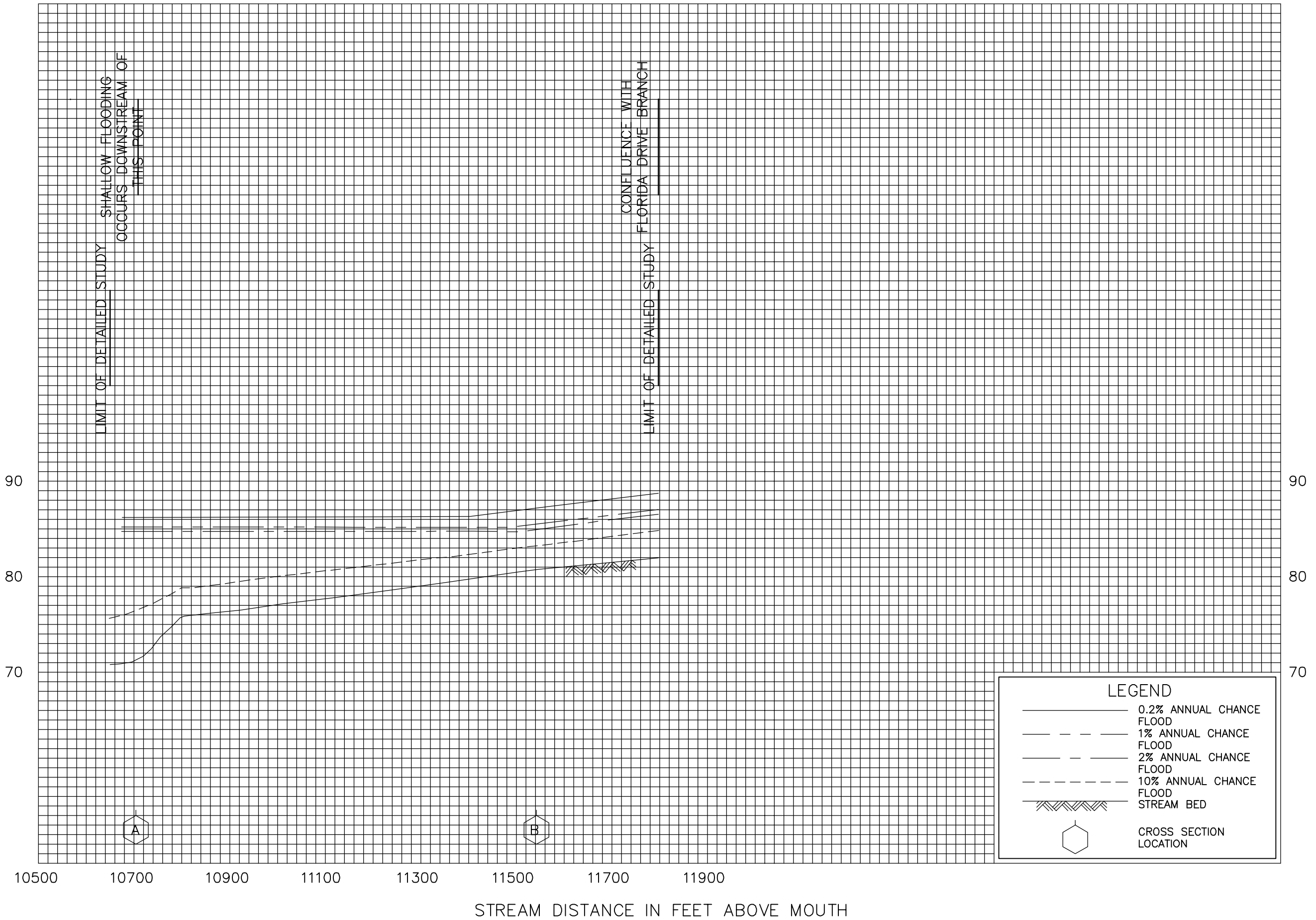
FLOOD PROFILES

SWEETWATER RIVER (DESCANSO AREA)

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

ELEVATION IN FEET (NAVD)



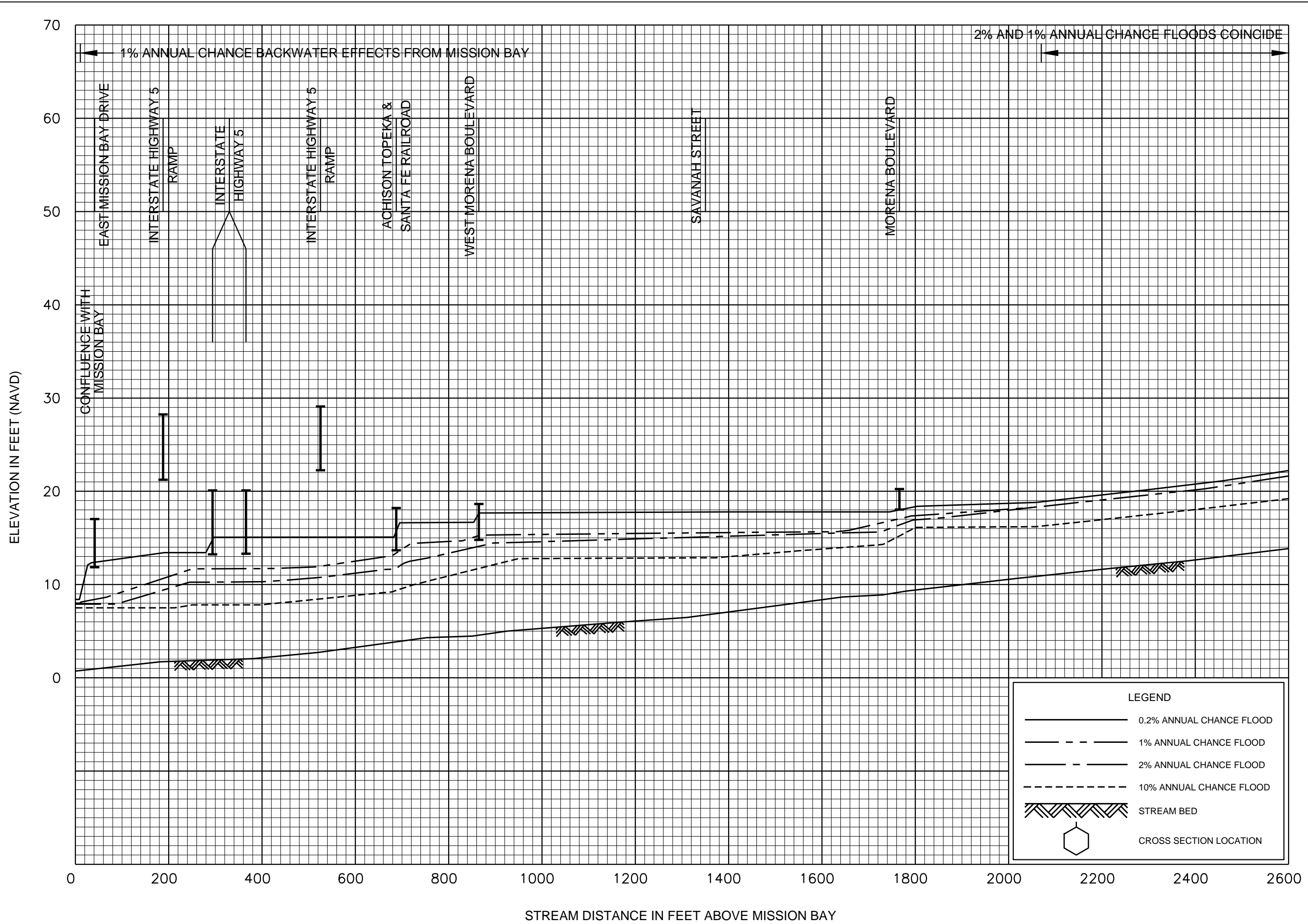
**LEGEND**

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

FLOOD PROFILES

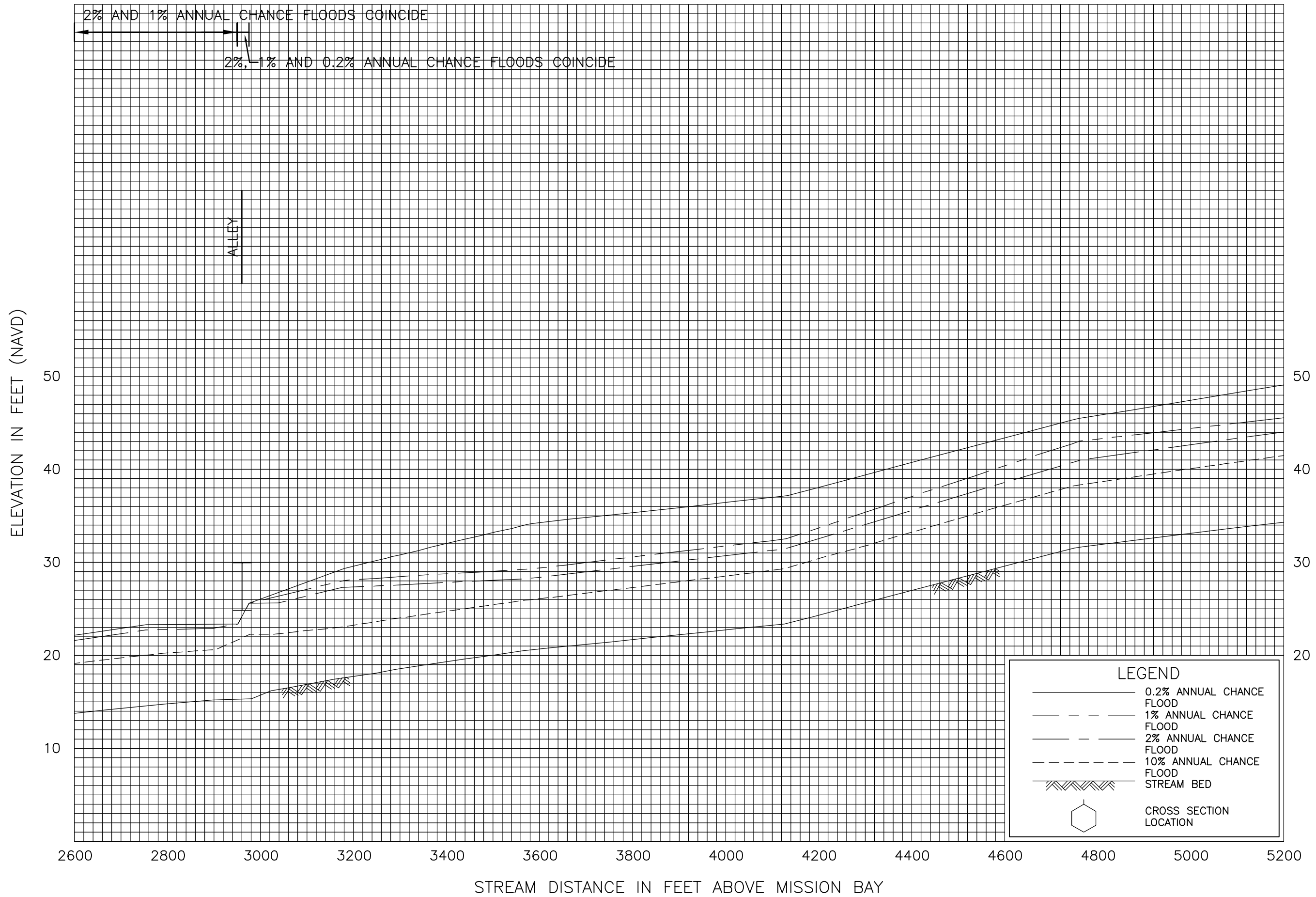
SWITZER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TECOLOTE CREEK

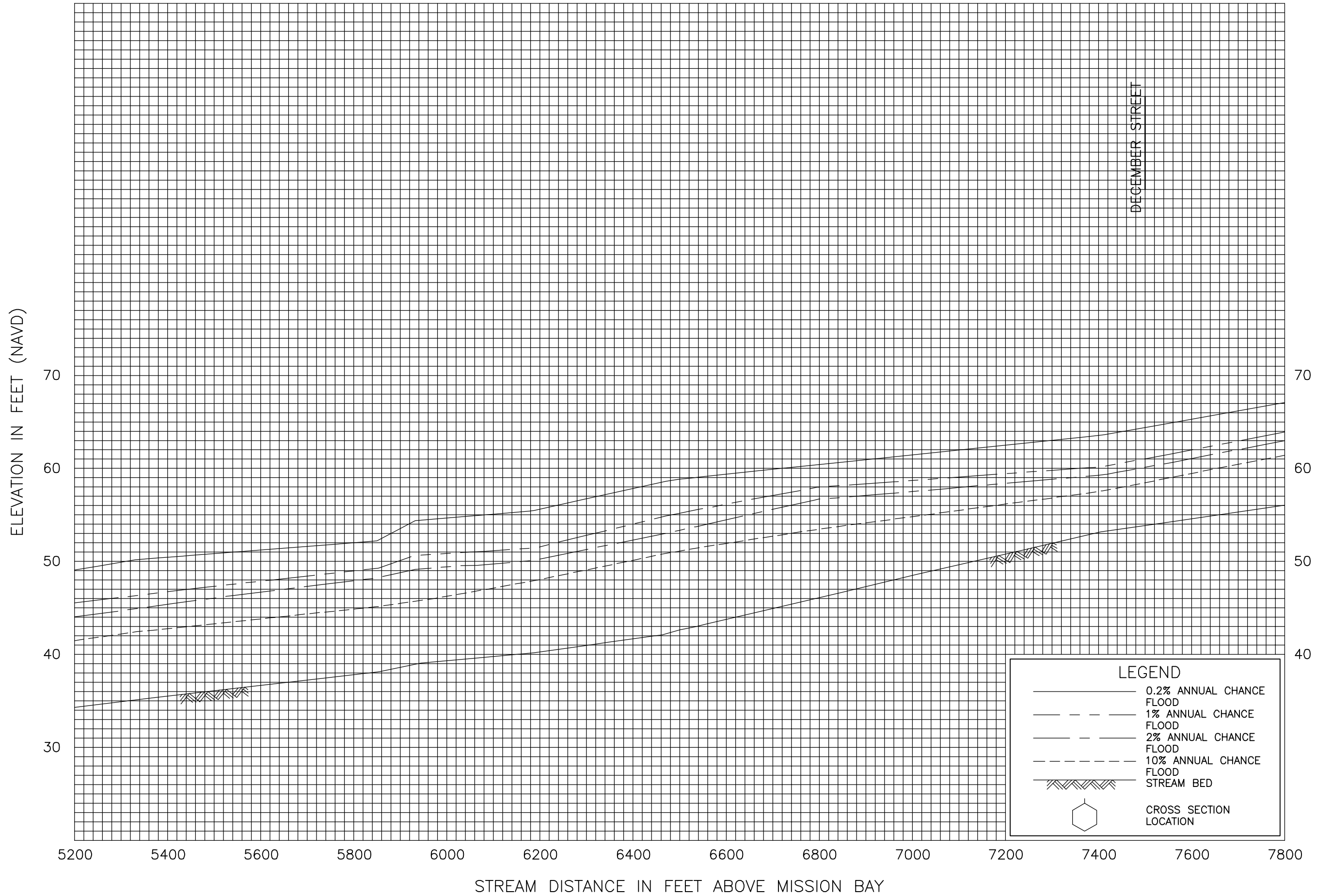
FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
AND INCORPORATED AREAS



FLOOD PROFILES

TECOLOTE CREEK

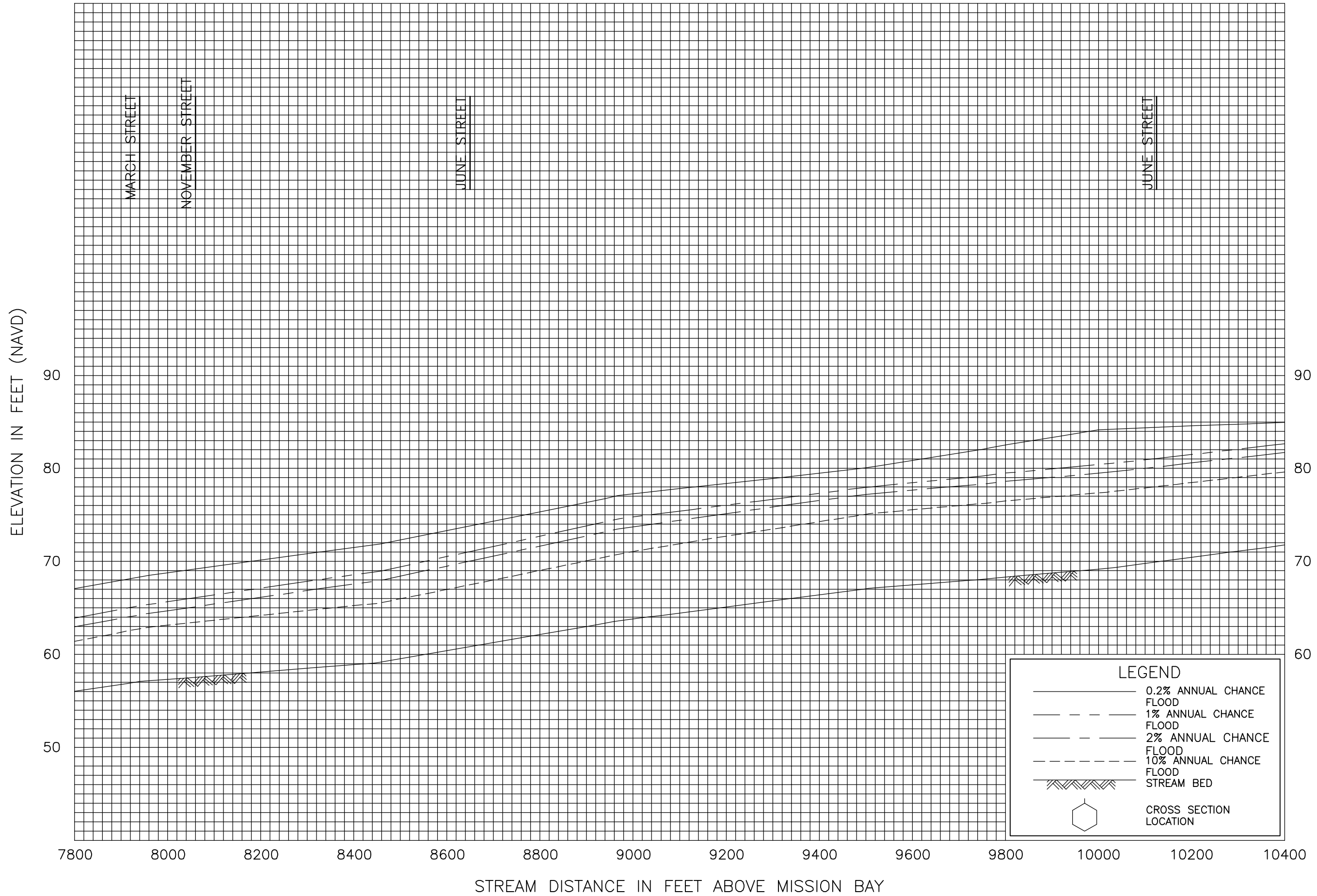
FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)



FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



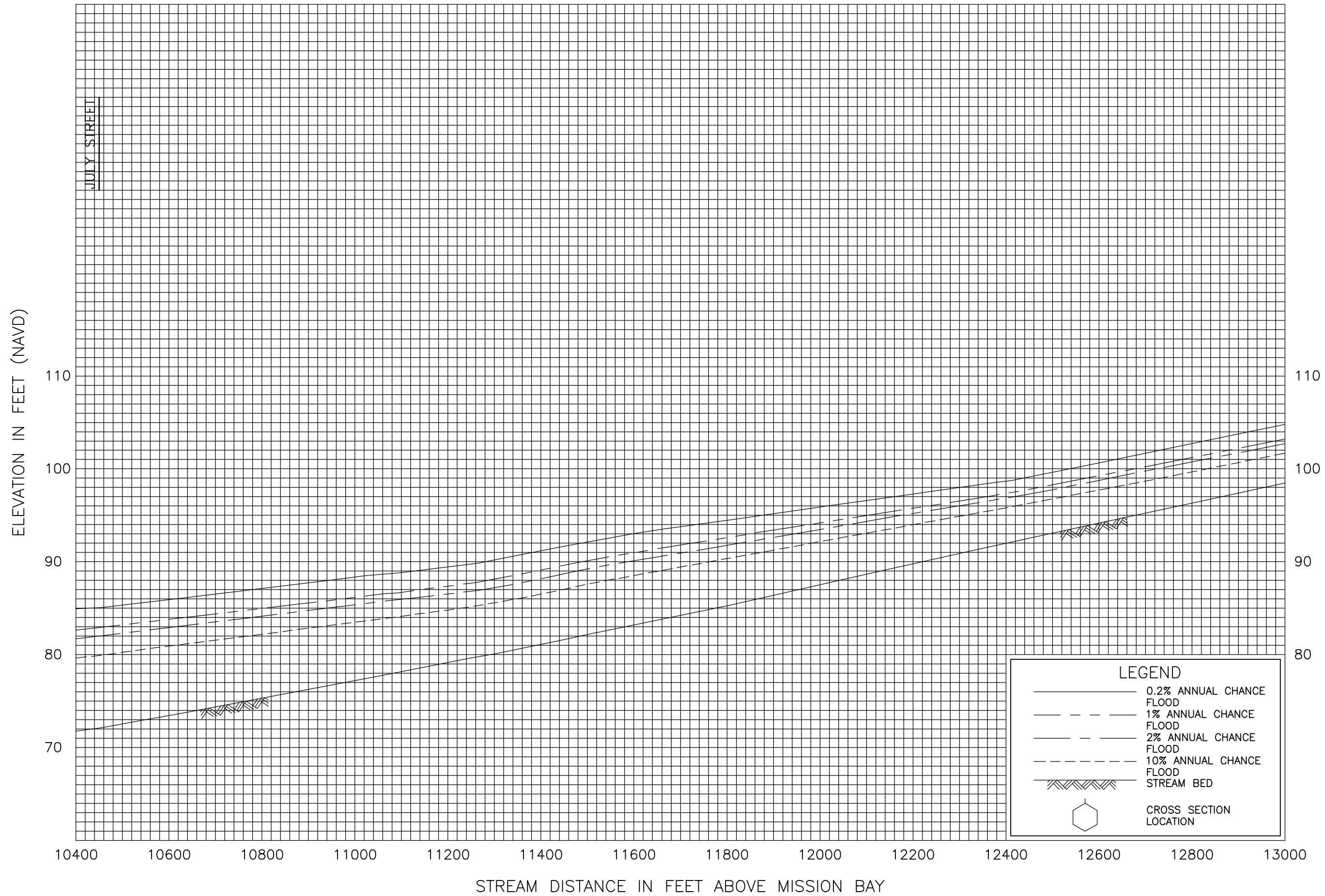


FLOOD PROFILES







TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

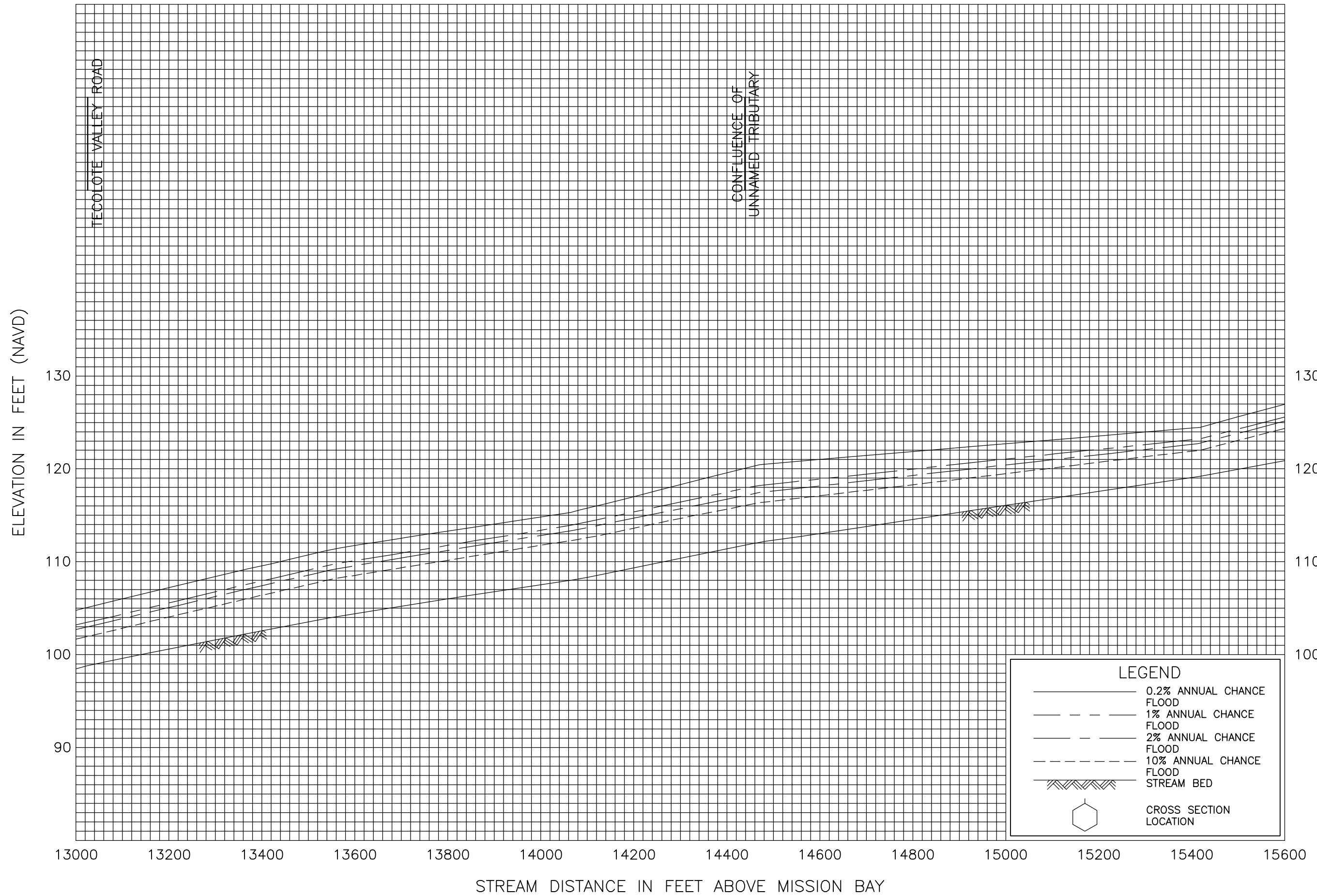


**LEGEND**

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

FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

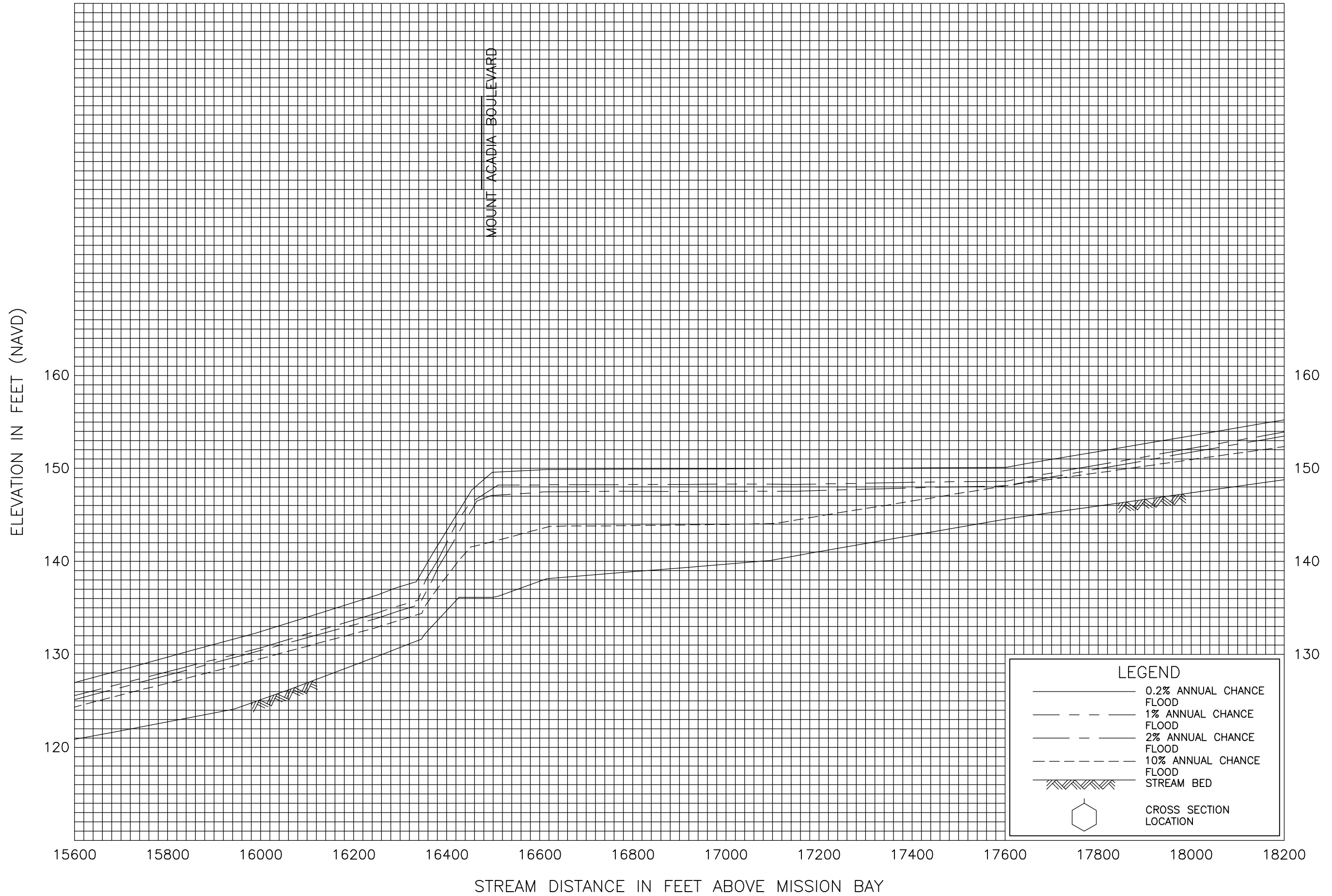


| LEGEND |                          |
|--------|--------------------------|
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|        | 1% ANNUAL CHANCE FLOOD   |
|        | 2% ANNUAL CHANCE FLOOD   |
|        | 10% ANNUAL CHANCE FLOOD  |
|        | STREAM BED               |
|        | CROSS SECTION LOCATION   |

FLOOD PROFILES

TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

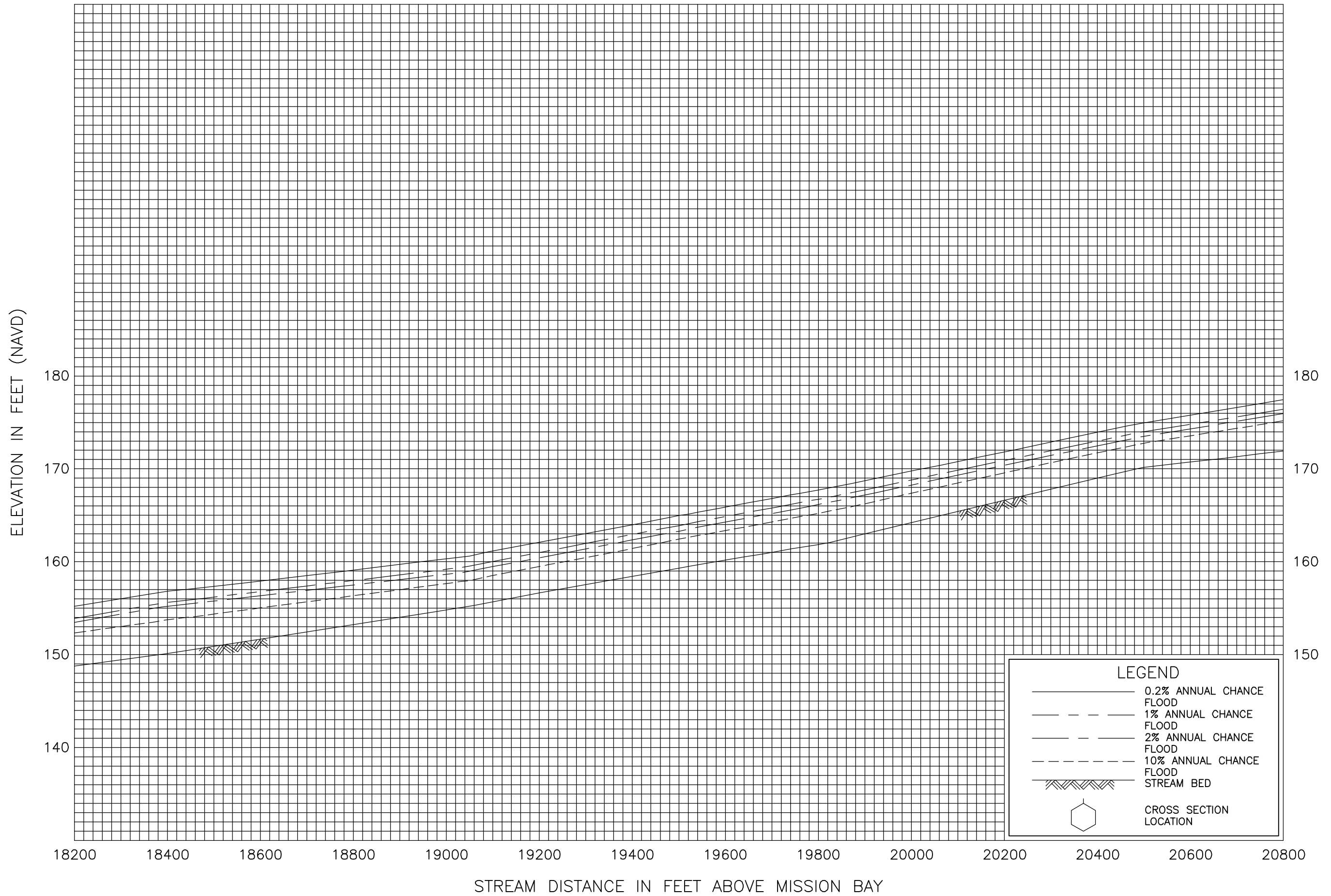


FLOOD PROFILES

TECOLOTE CREEK

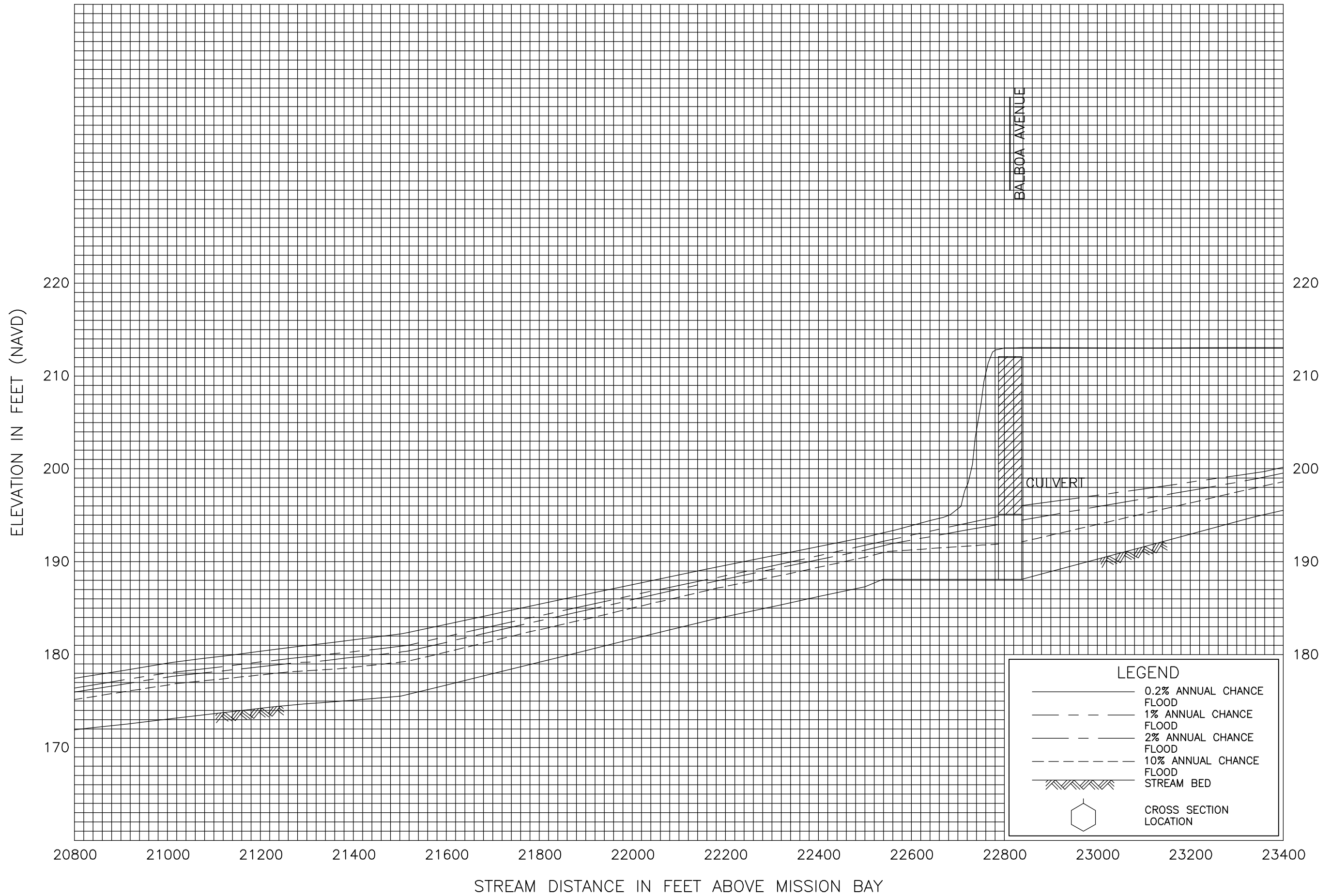
FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

513P



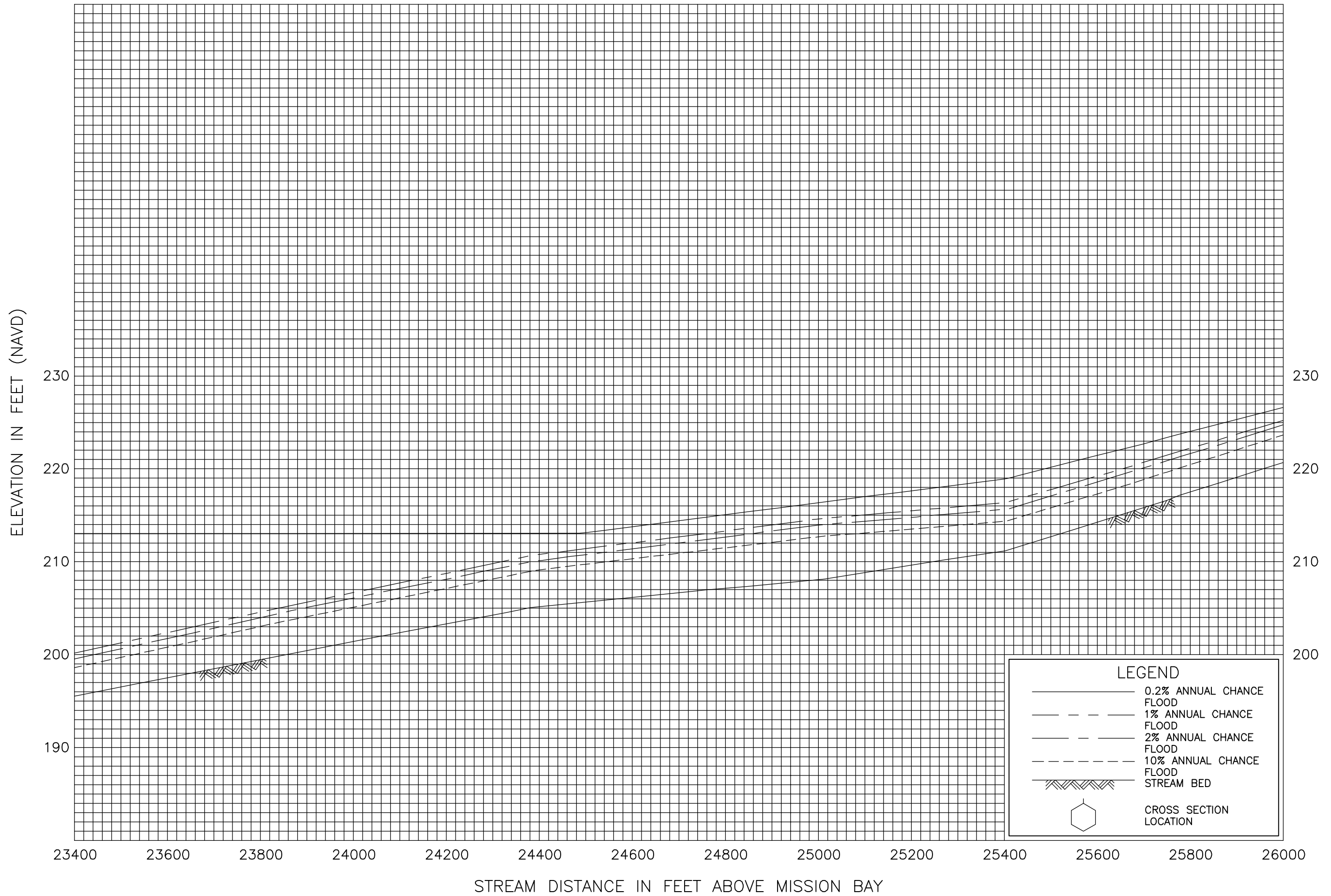
FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



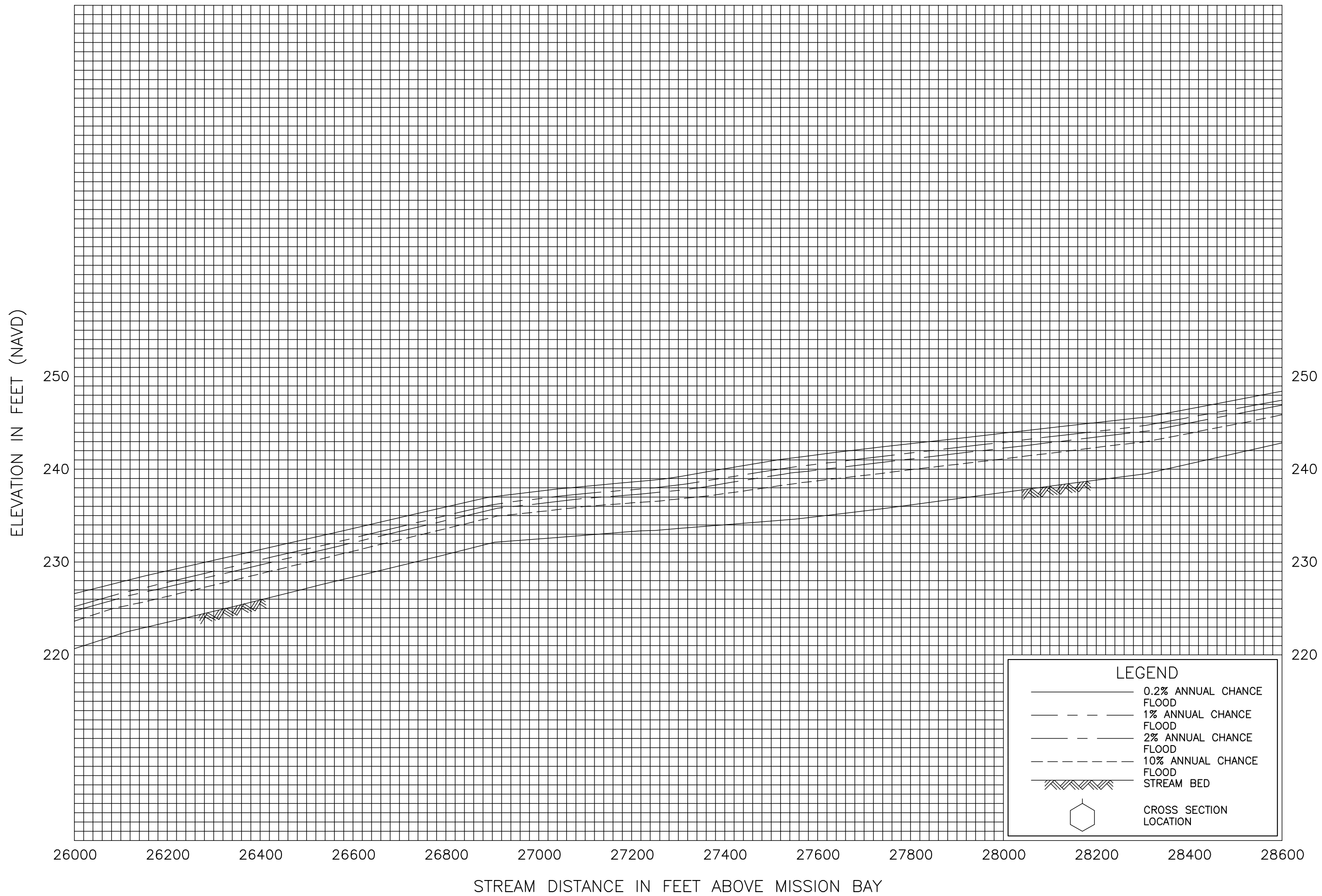
FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



**LEGEND**

|                       |                          |
|-----------------------|--------------------------|
| —                     | 0.2% ANNUAL CHANCE FLOOD |
| - - -                 | 1% ANNUAL CHANCE FLOOD   |
| - . - .               | 2% ANNUAL CHANCE FLOOD   |
| - - - -               | 10% ANNUAL CHANCE FLOOD  |
| — / — / — / — / — / — | STREAM BED               |
| ⬢                     | CROSS SECTION LOCATION   |

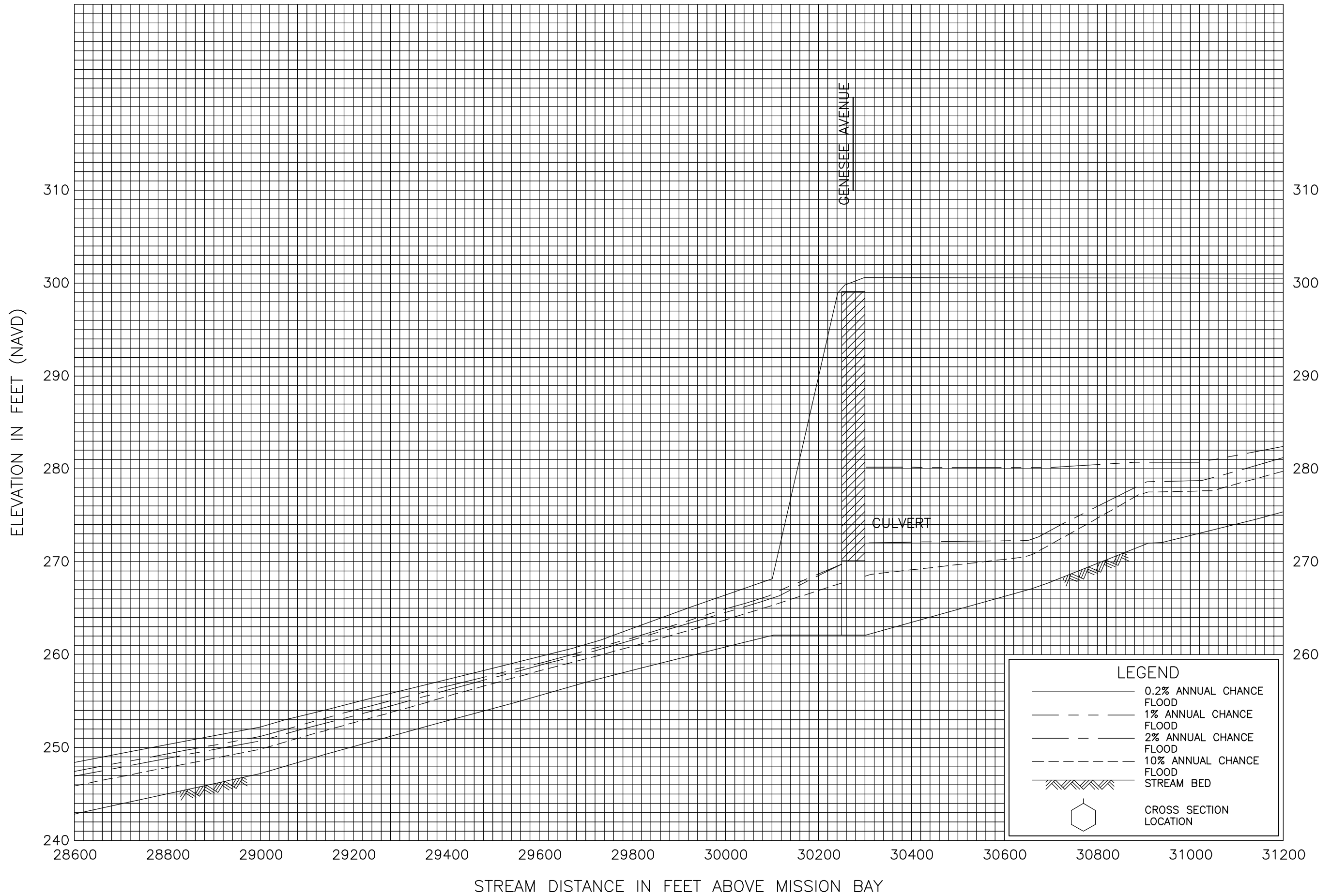
FLOOD PROFILES

TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



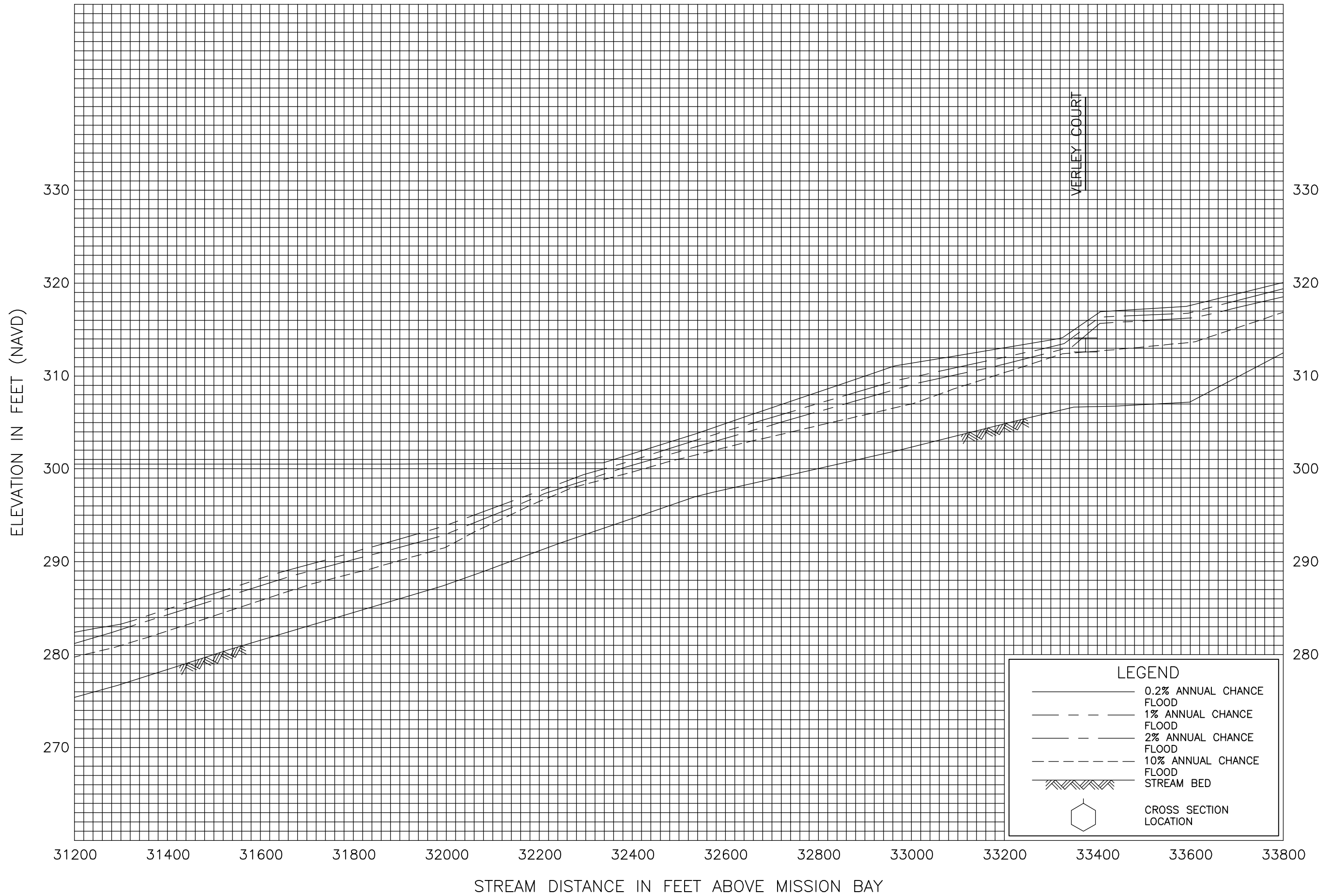


FLOOD PROFILES

TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES

TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

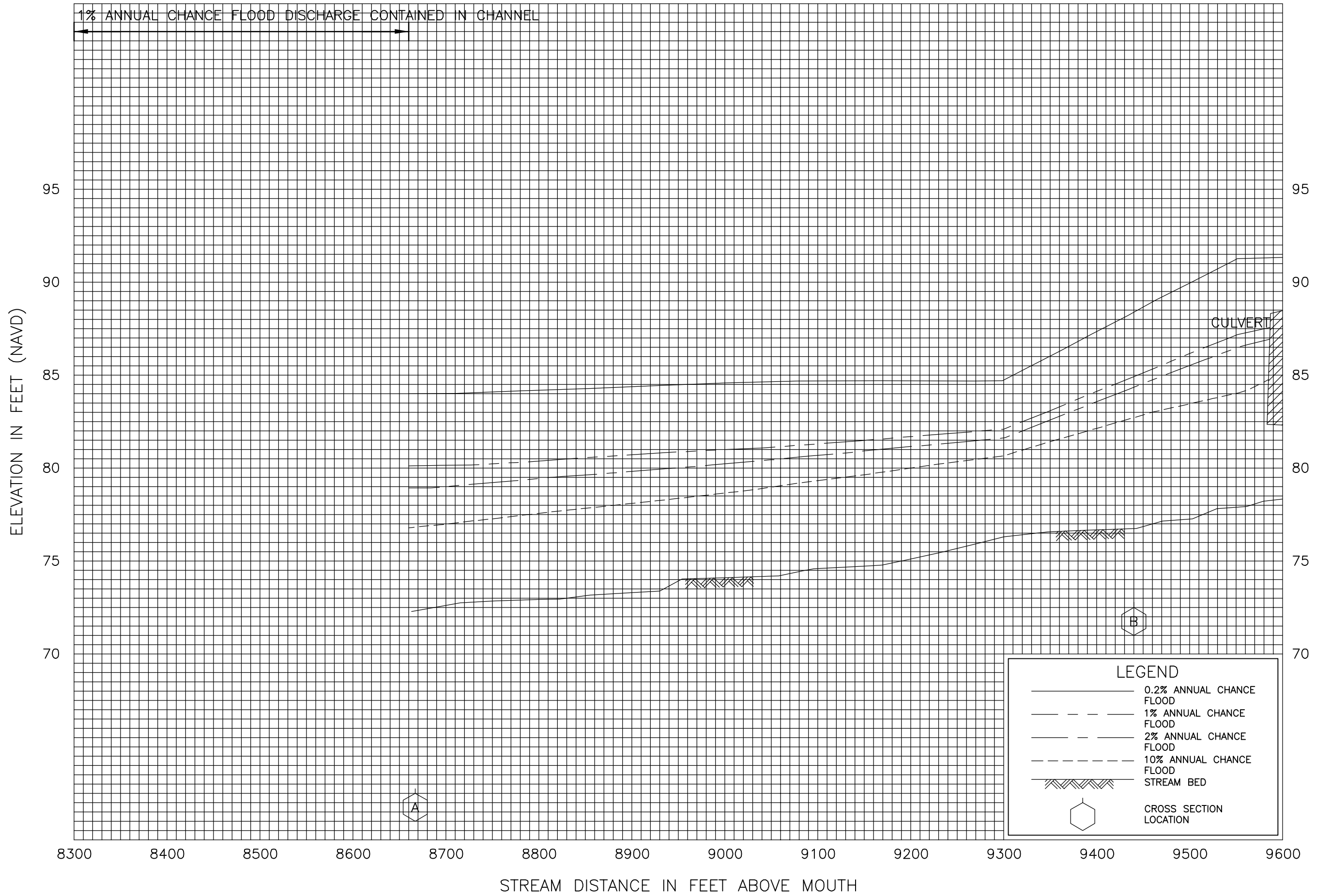
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

519P



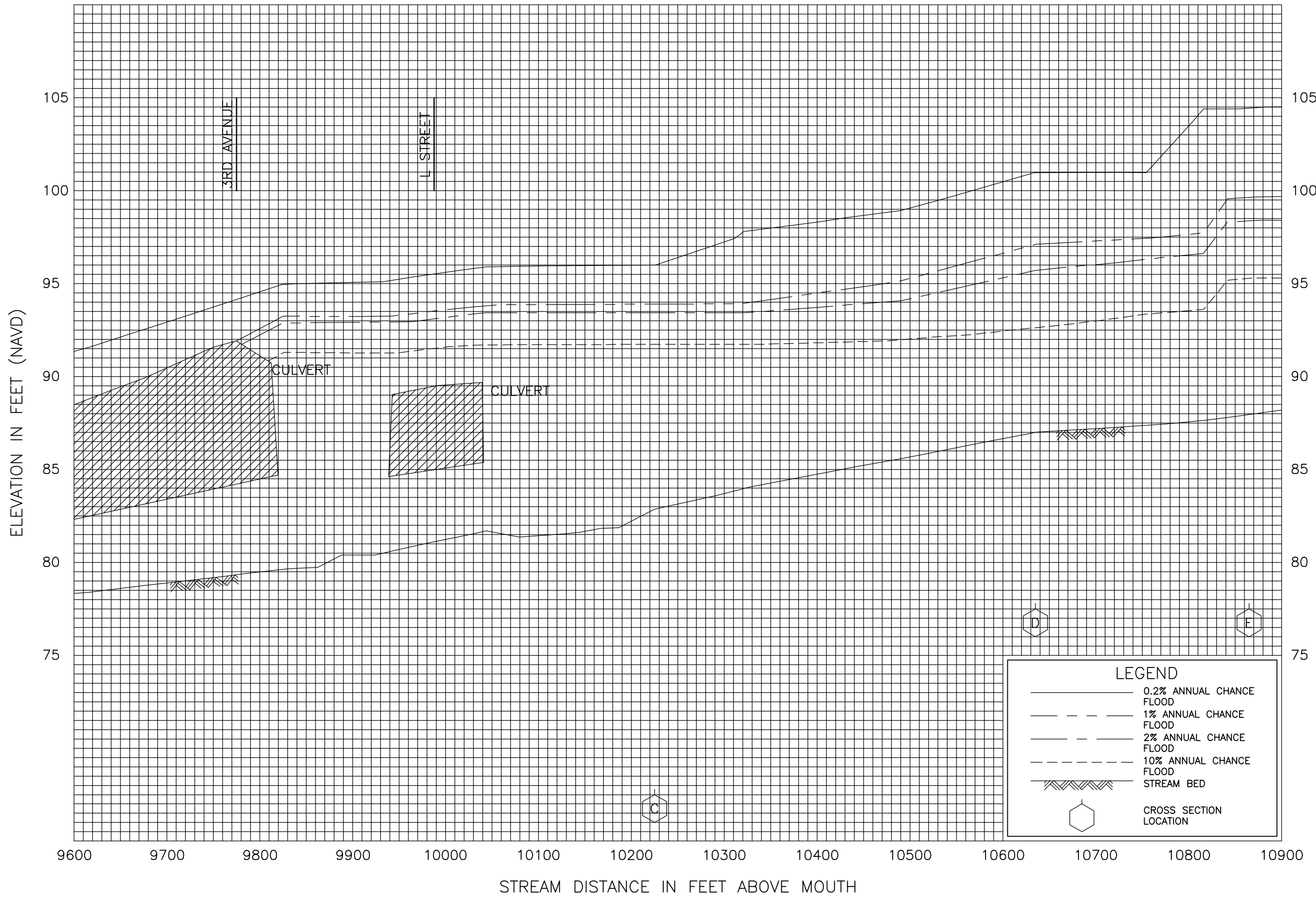
FLOOD PROFILES  
TECOLOTE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



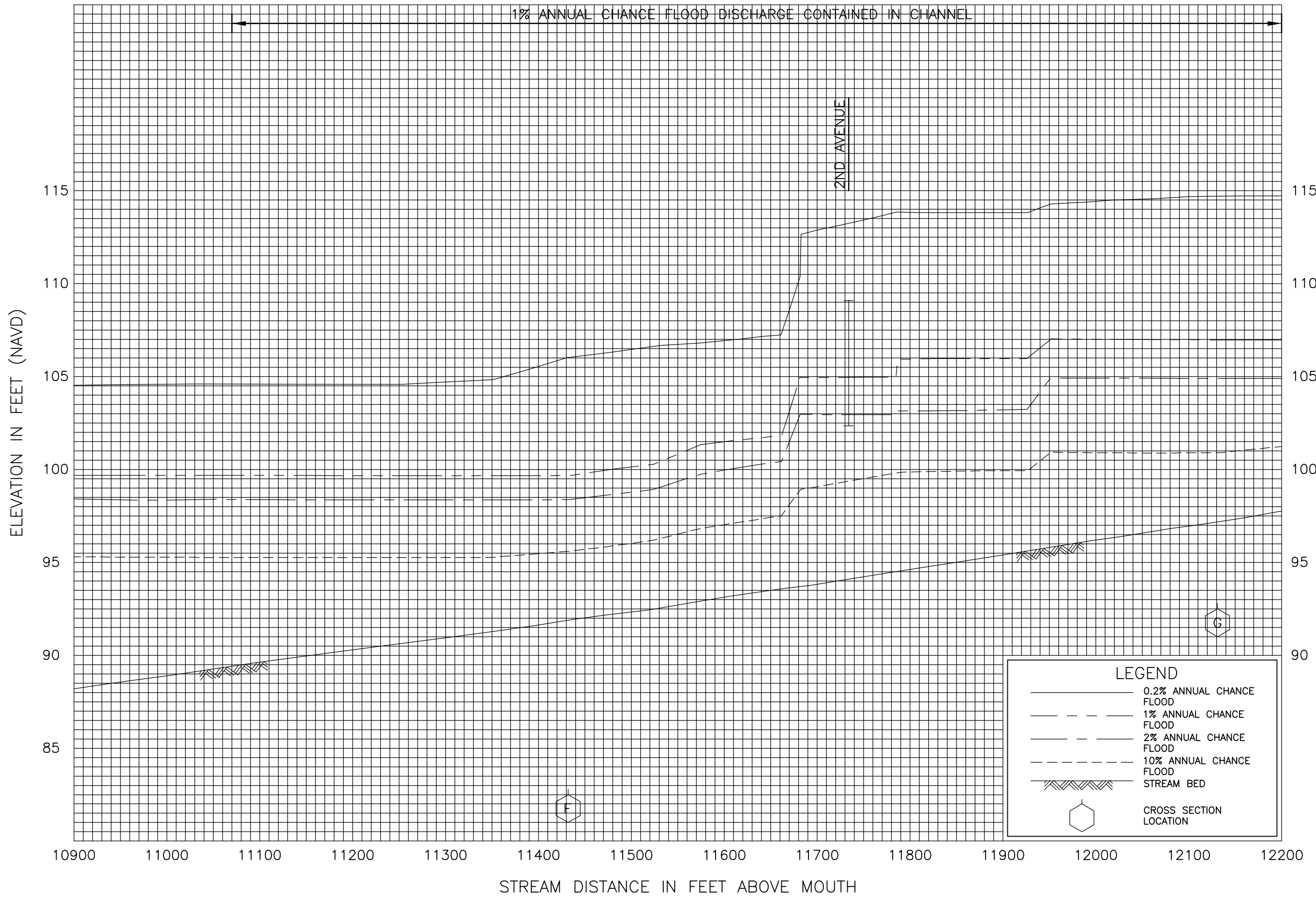
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



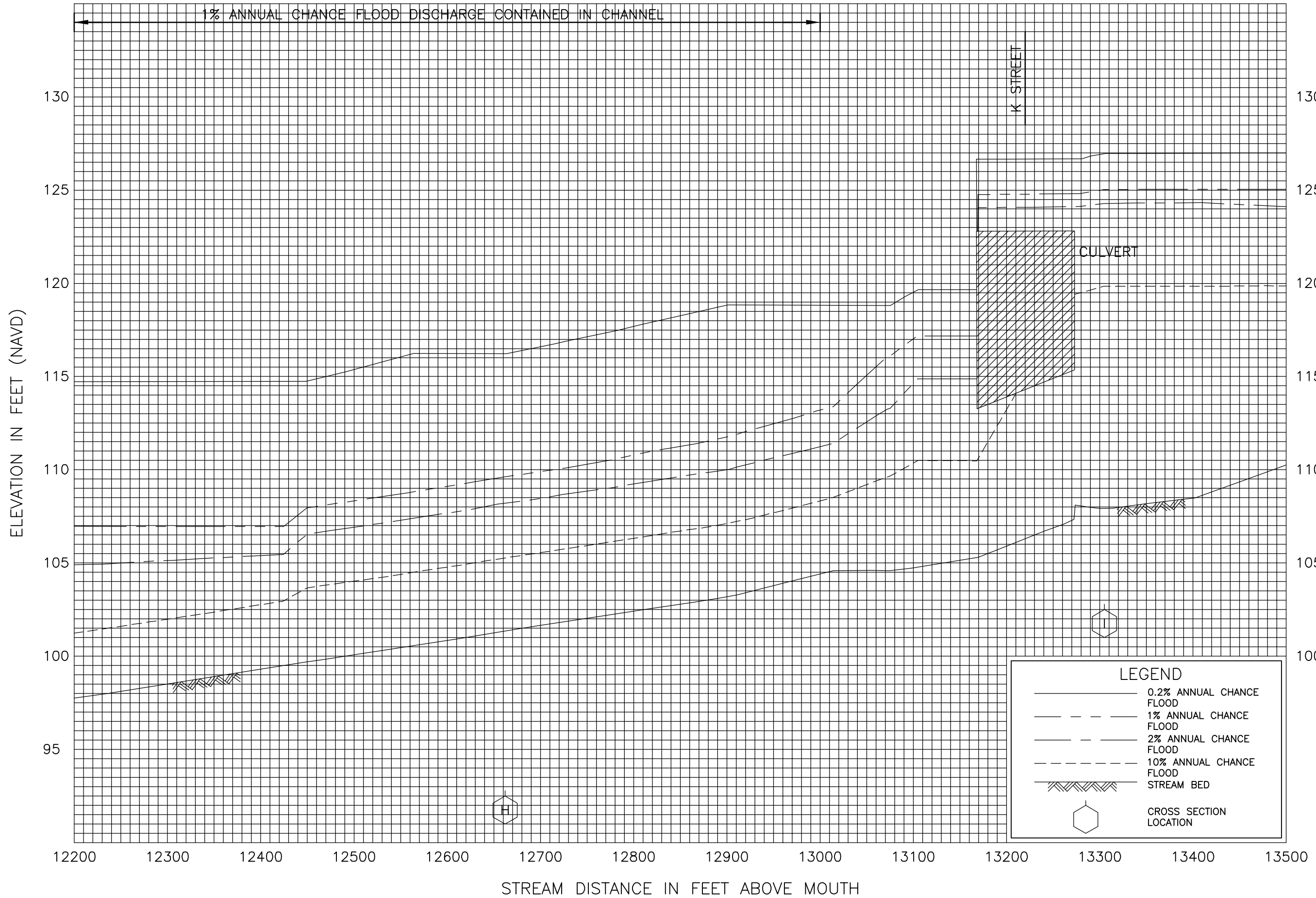
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



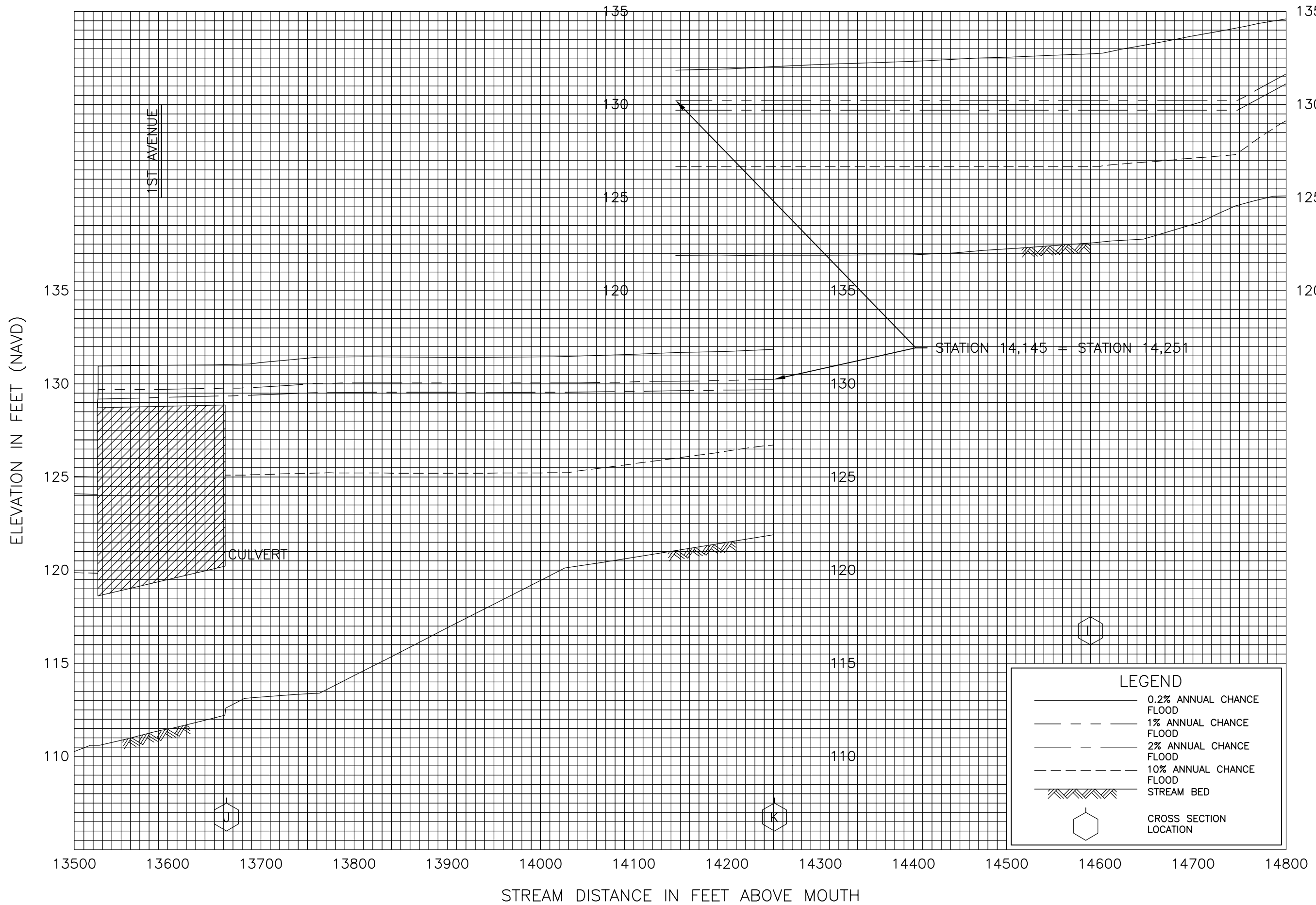
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TELEGRAPH CANYON CREEK

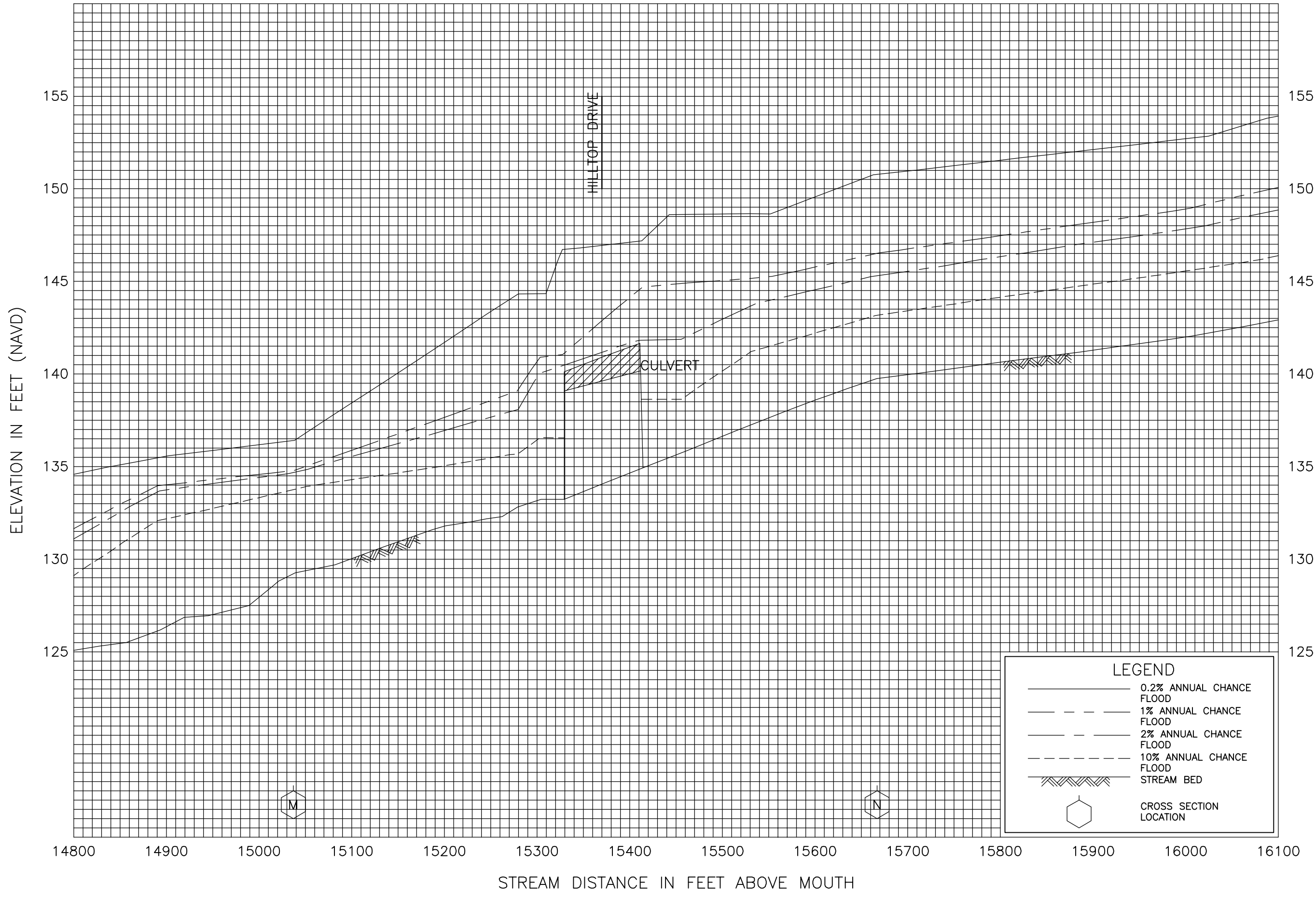
FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)





**LEGEND**

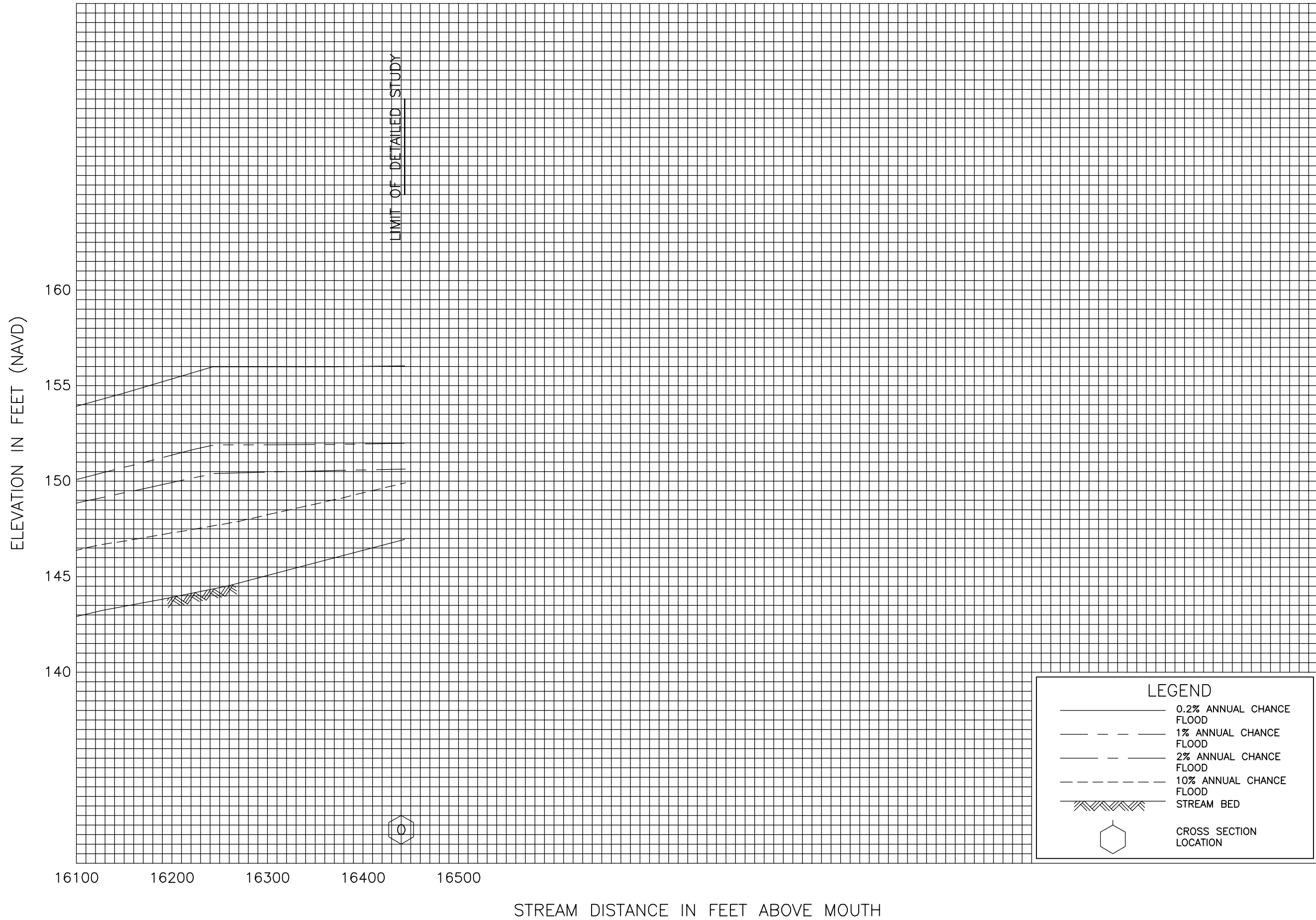
- 0.2% ANNUAL CHANCE FLOOD
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- · - 10% ANNUAL CHANCE FLOOD
- ▨ STREAM BED
- ⬡ CROSS SECTION LOCATION

FLOOD PROFILES

TELEGRAPH CANYON CREEK

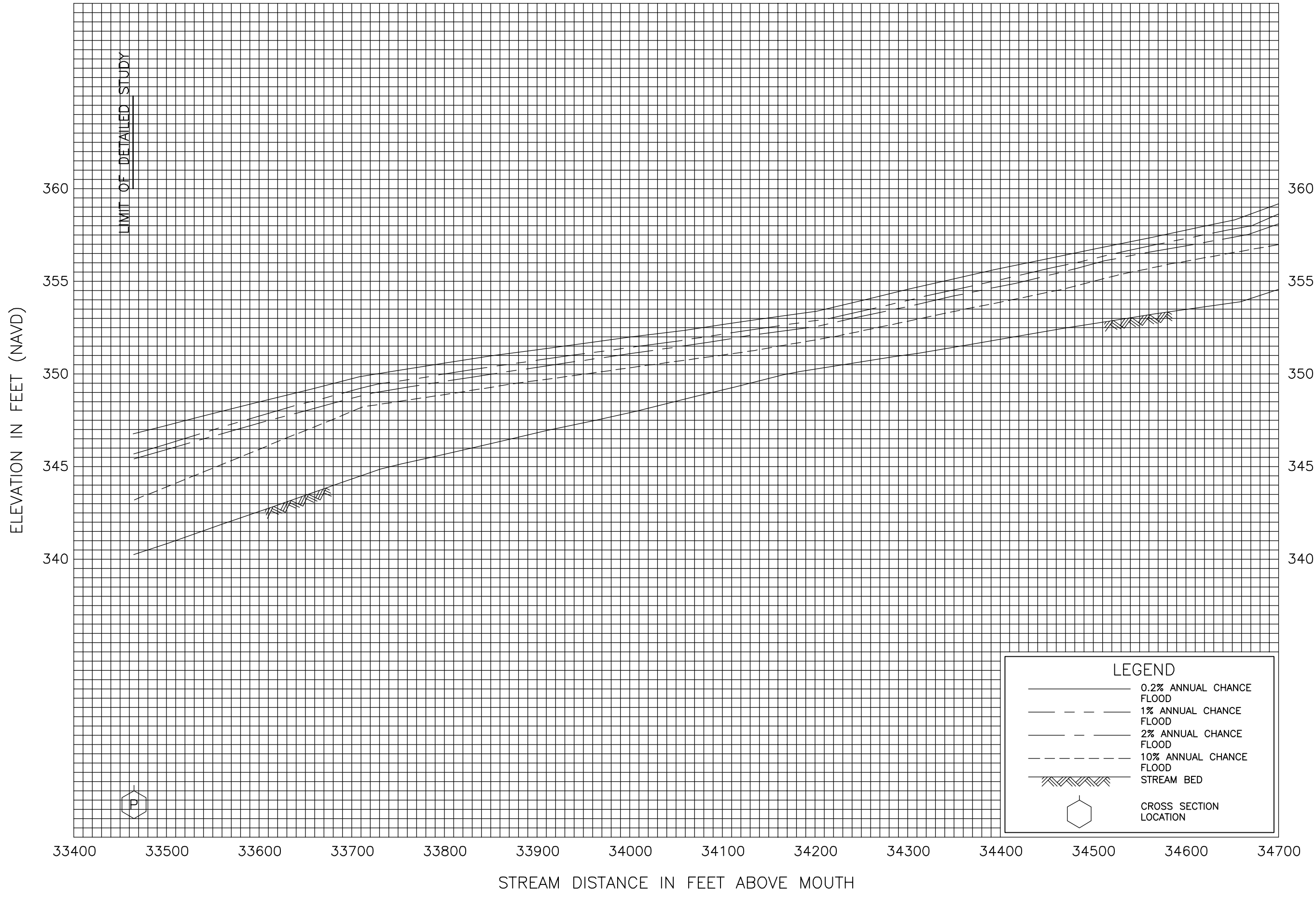
FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



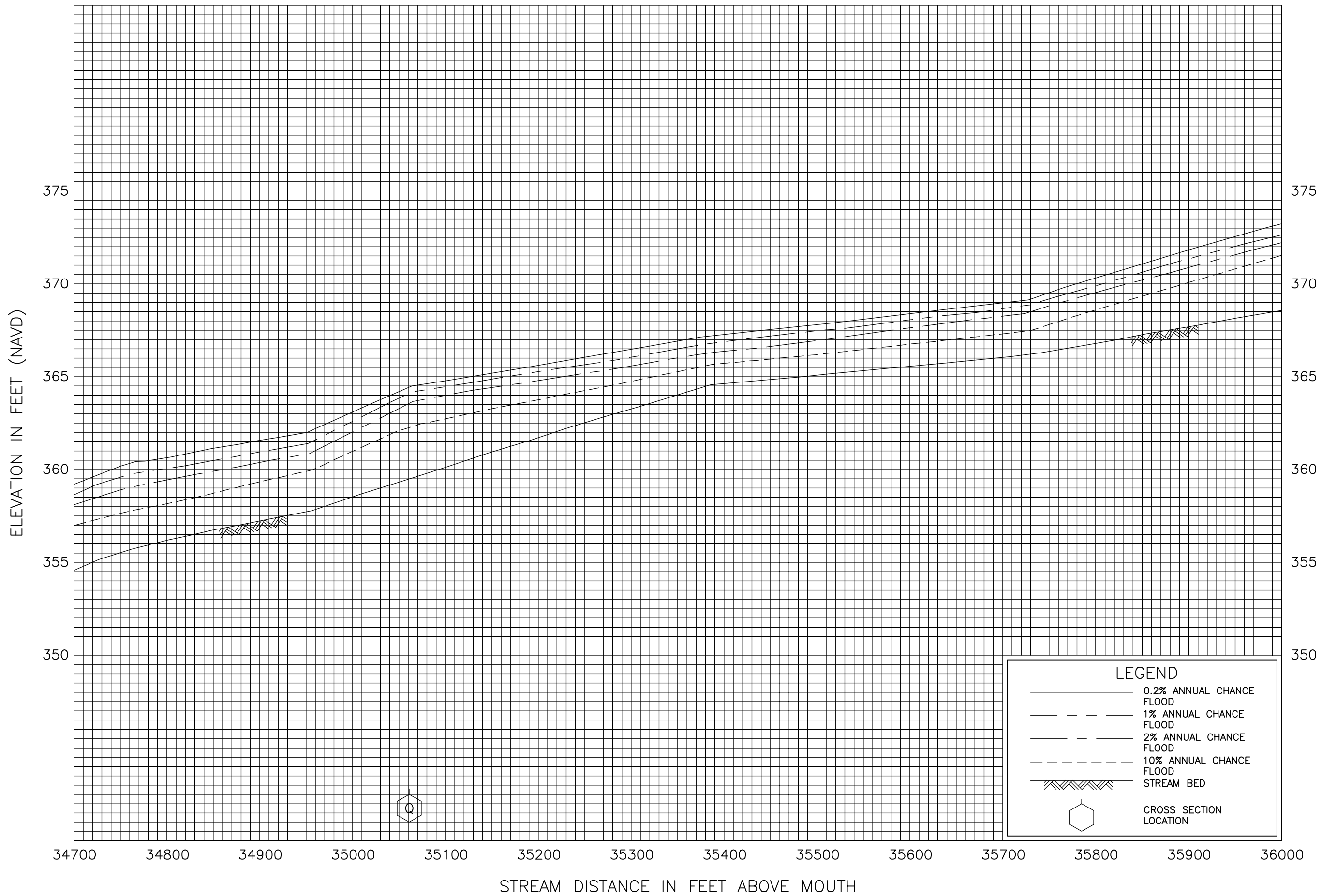
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



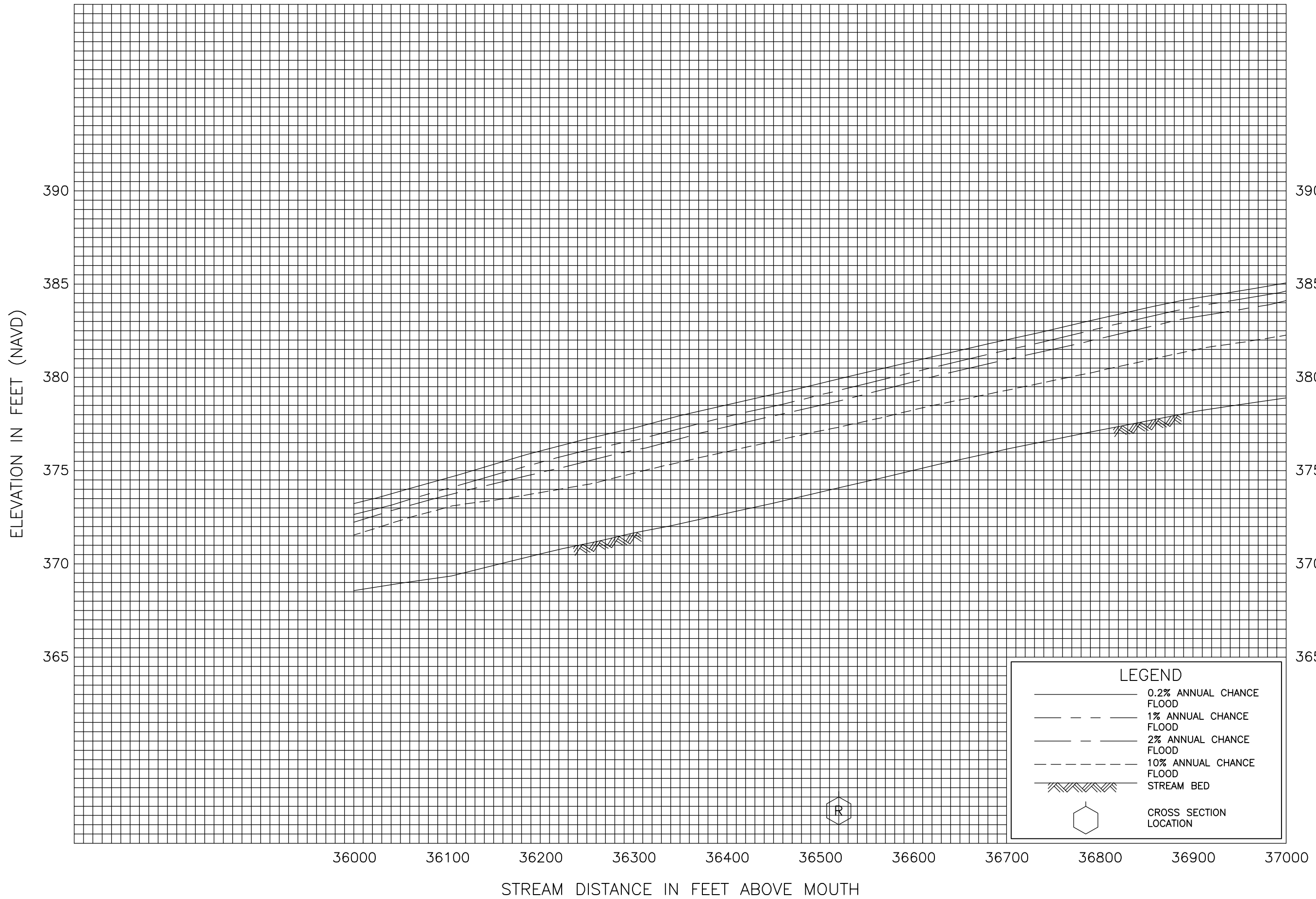
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



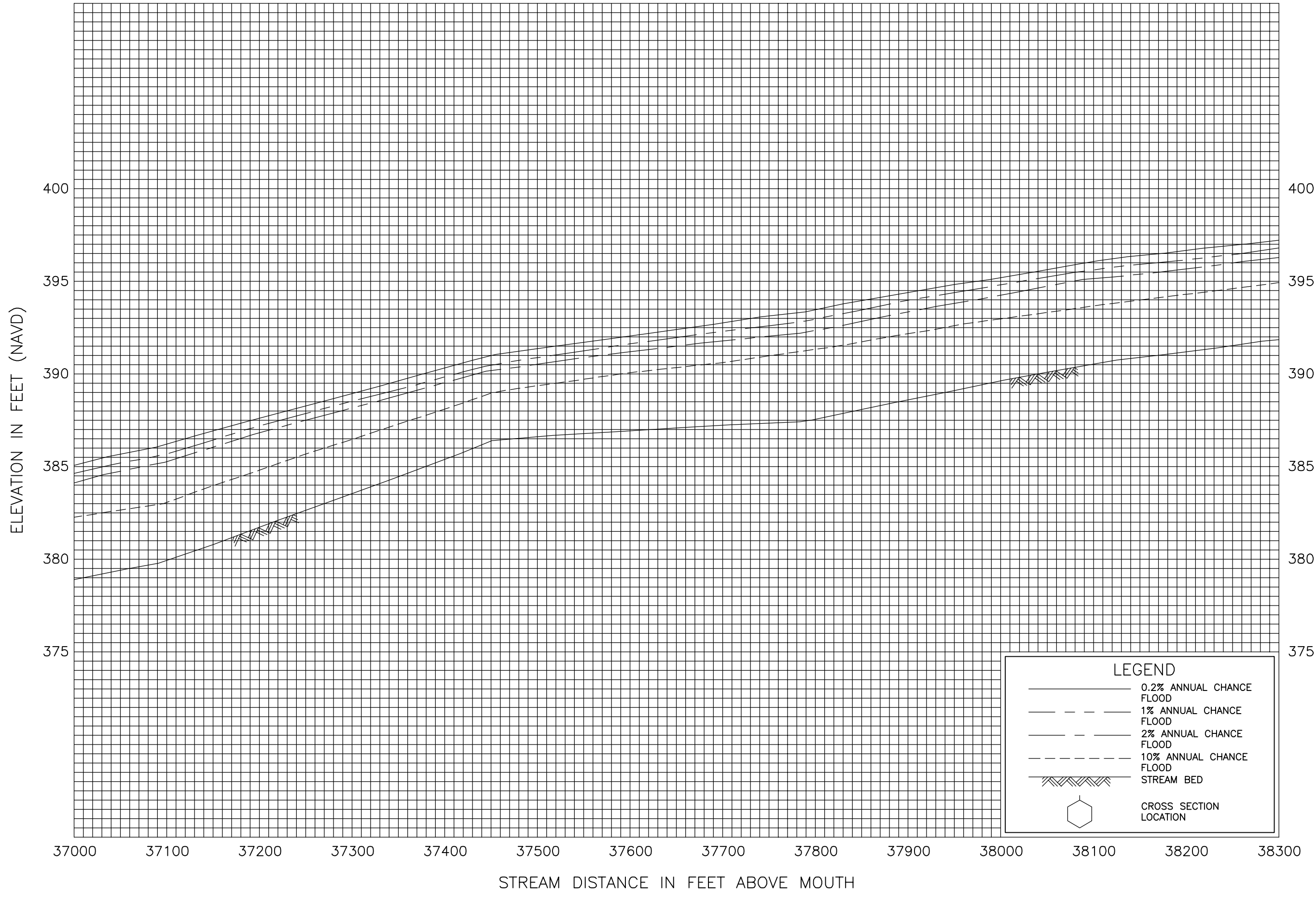
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TELEGRAPH CANYON CREEK

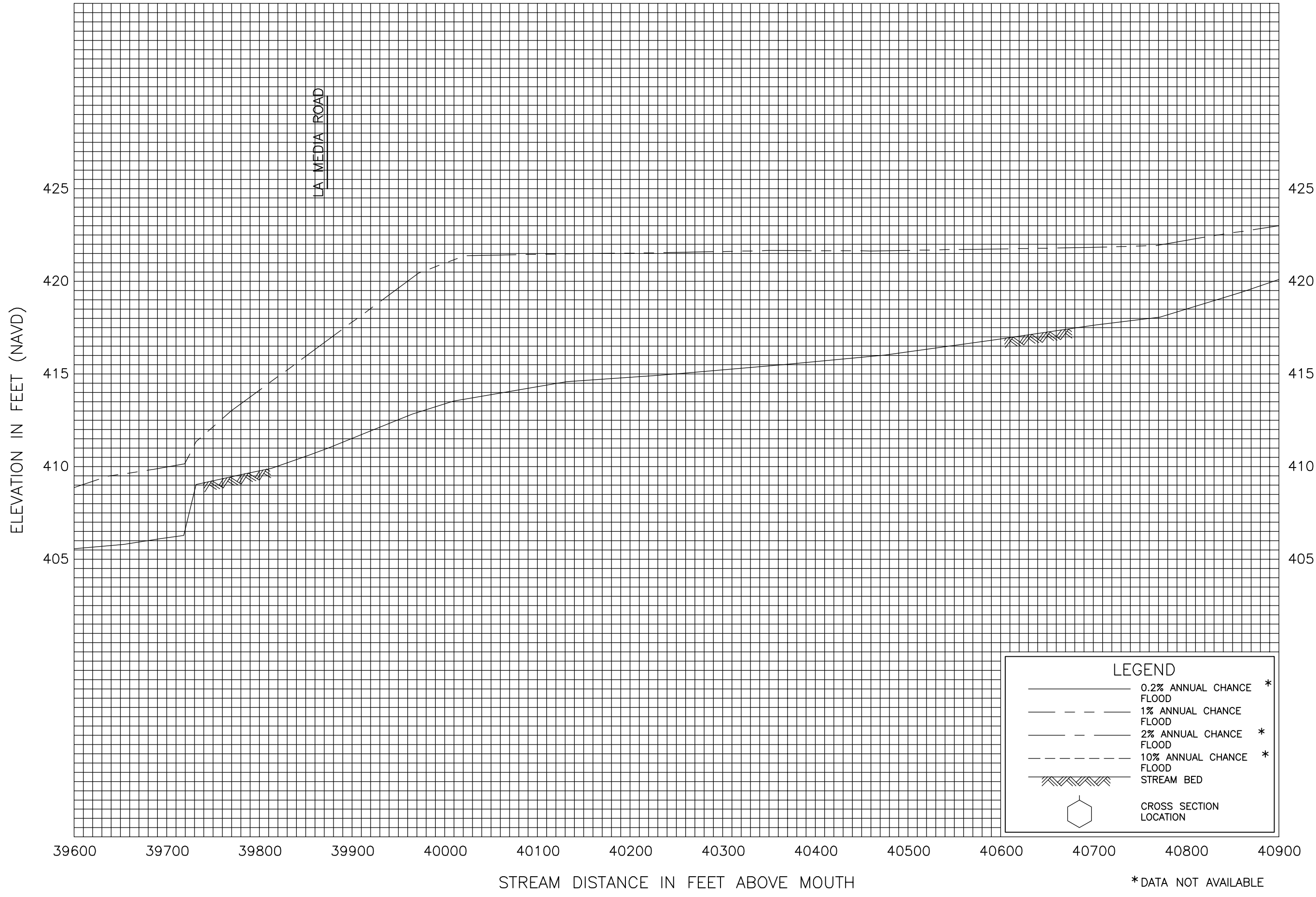
FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



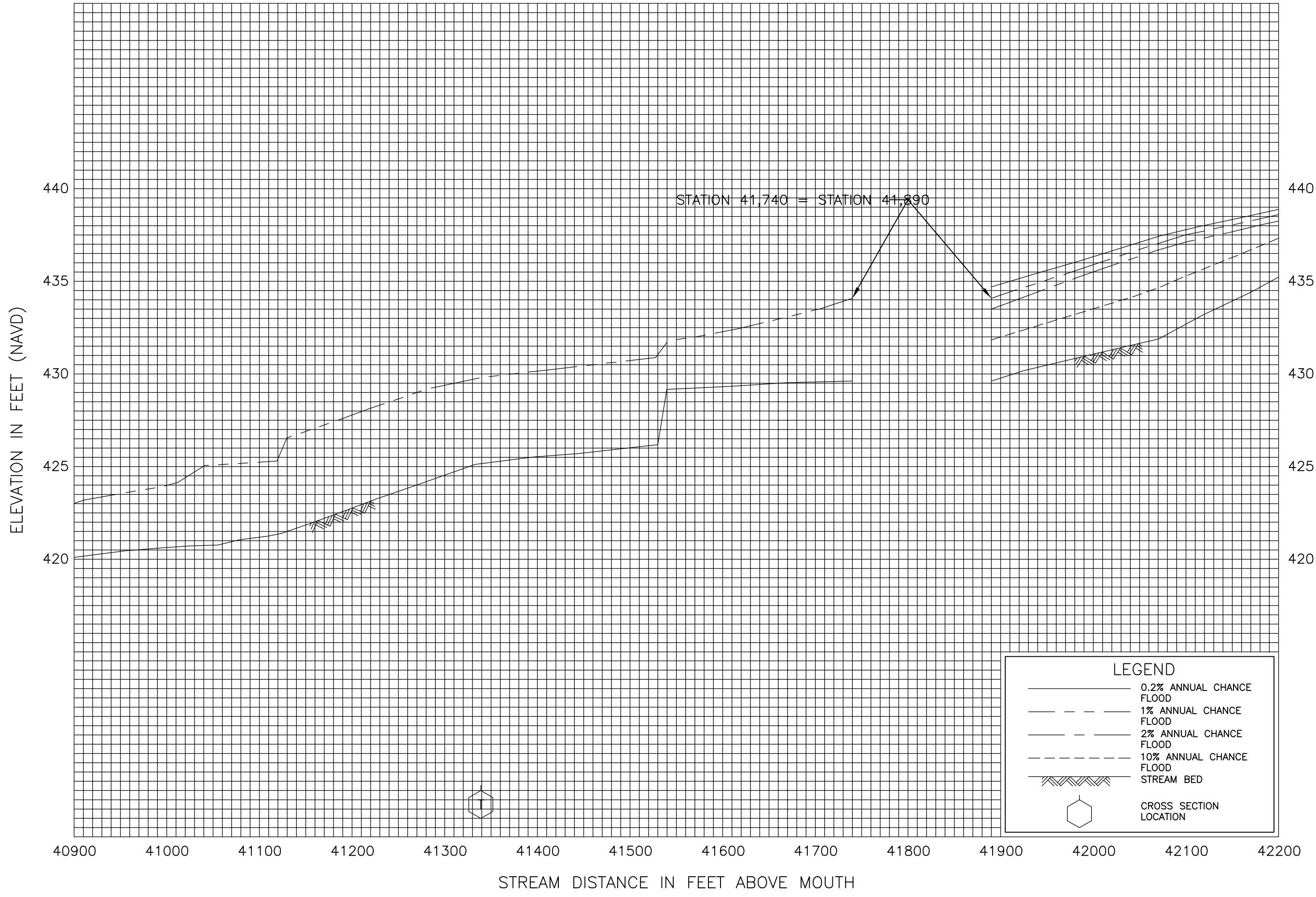
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



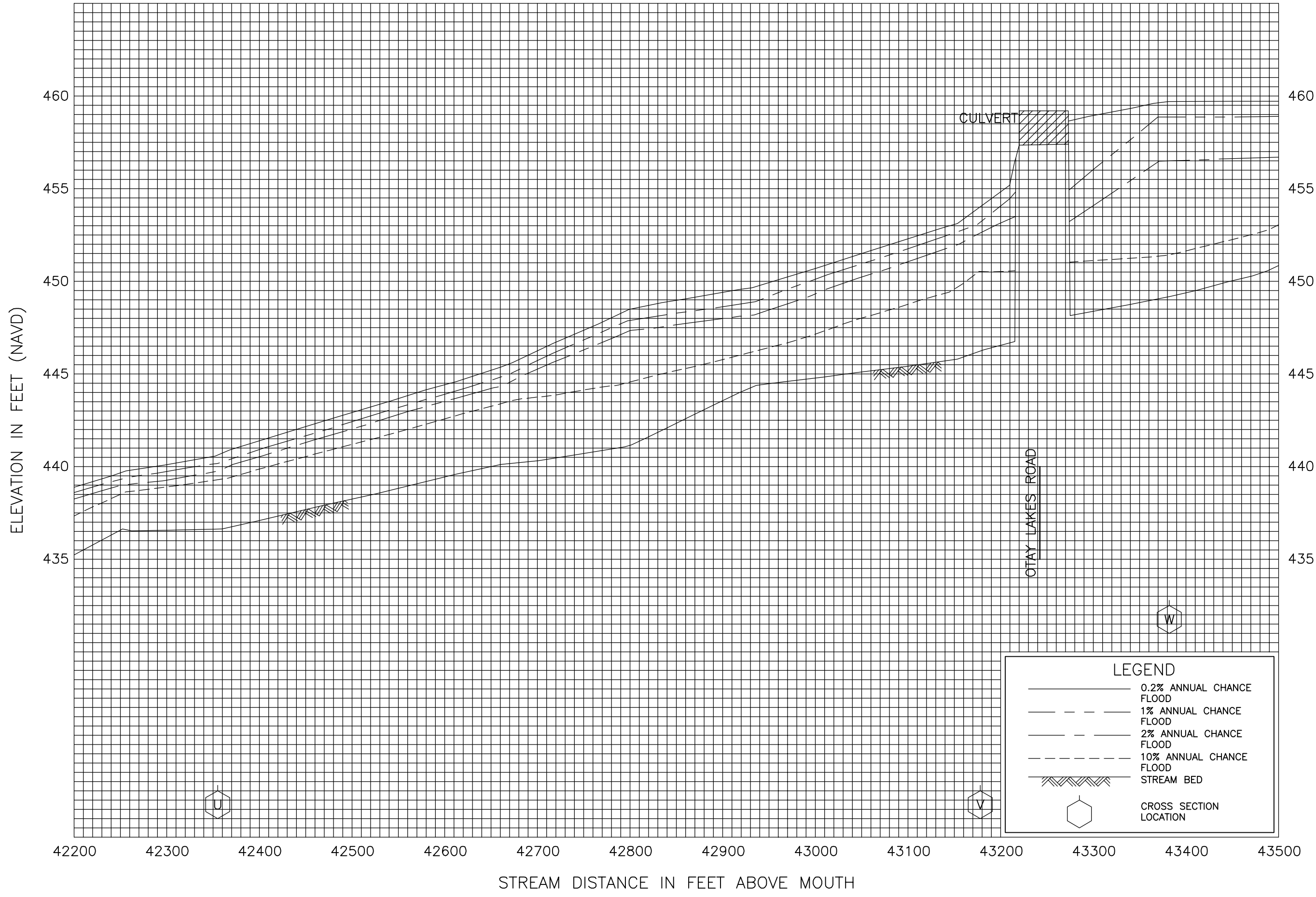






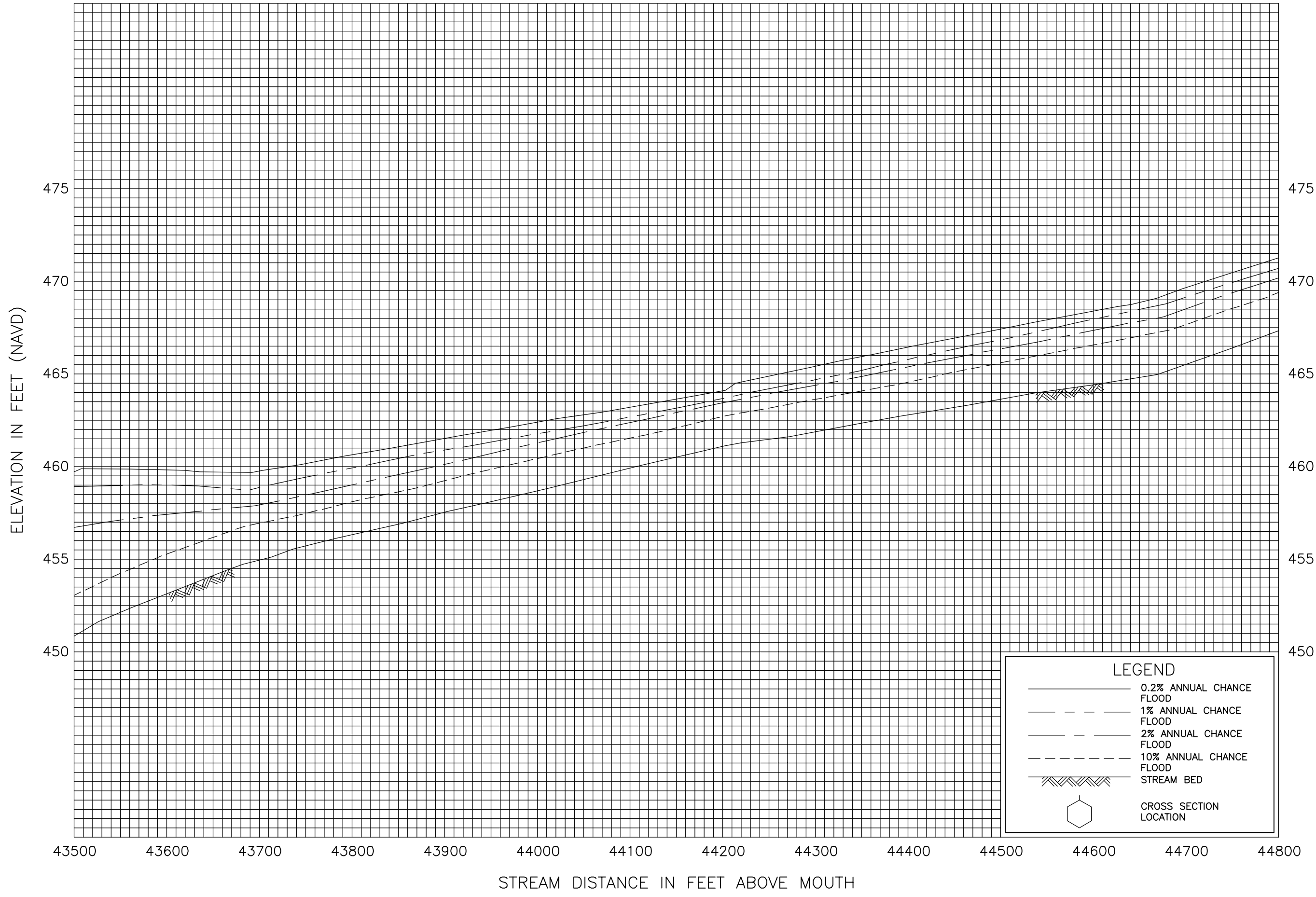
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



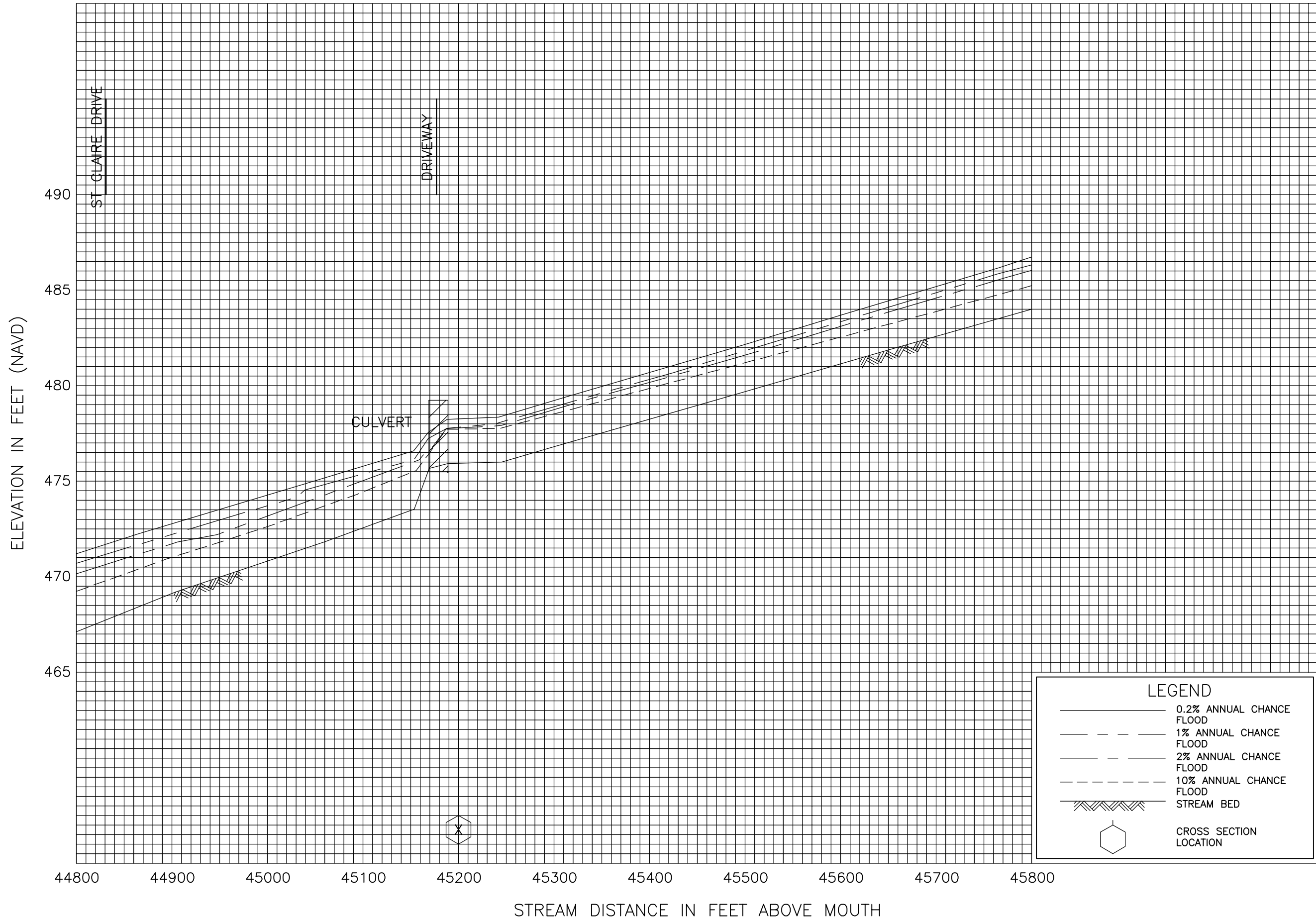
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



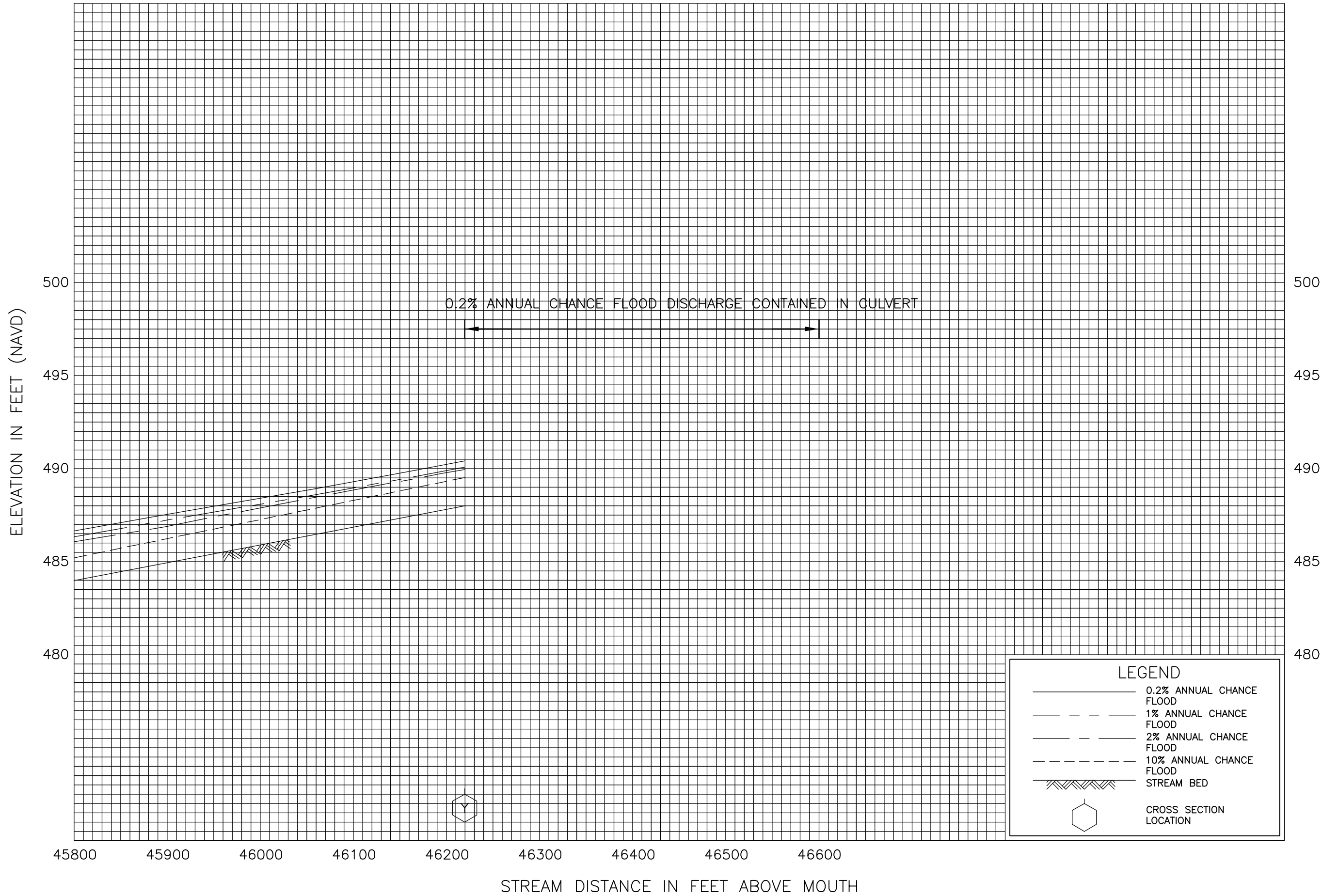
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



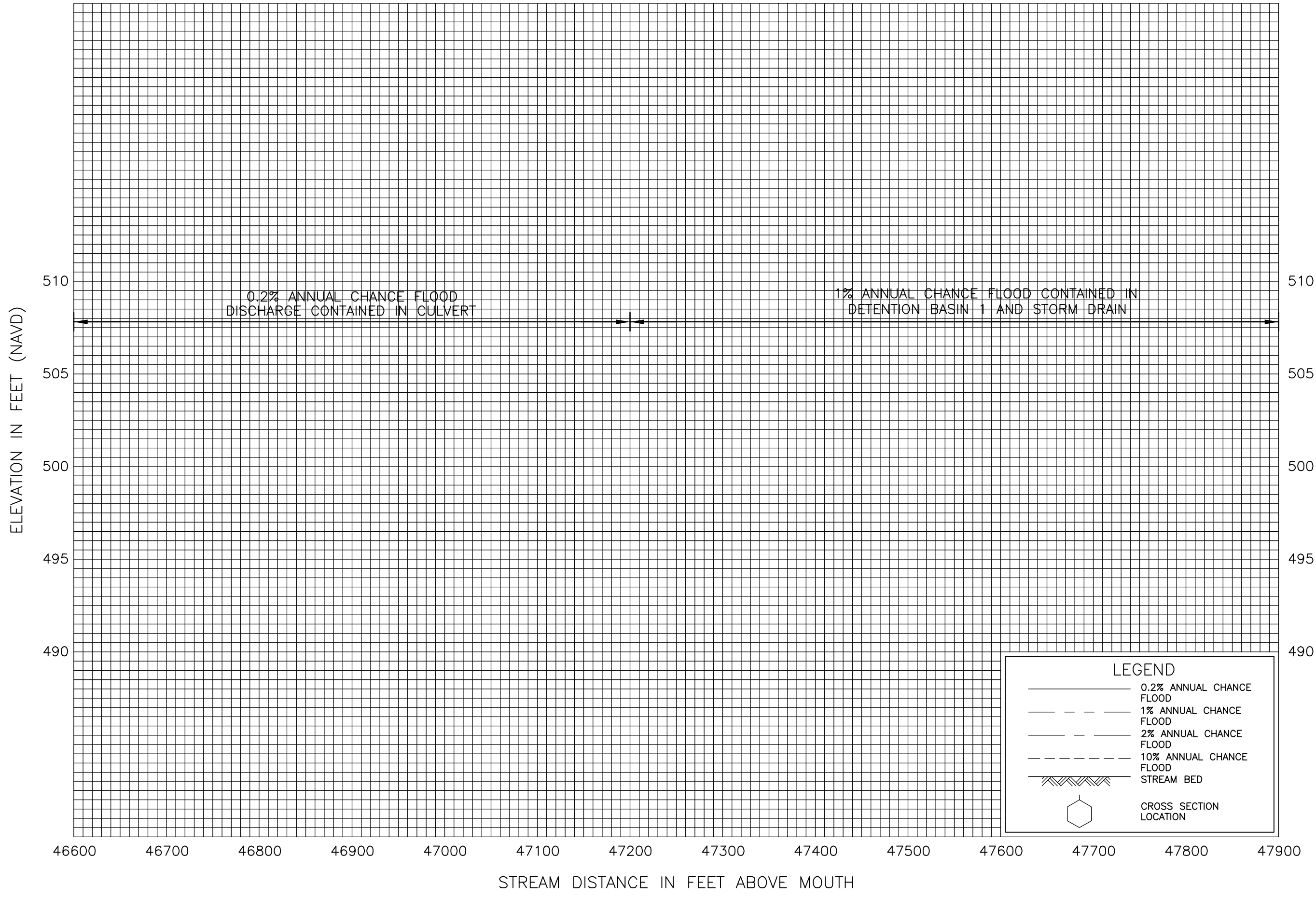
FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TELEGRAPH CANYON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

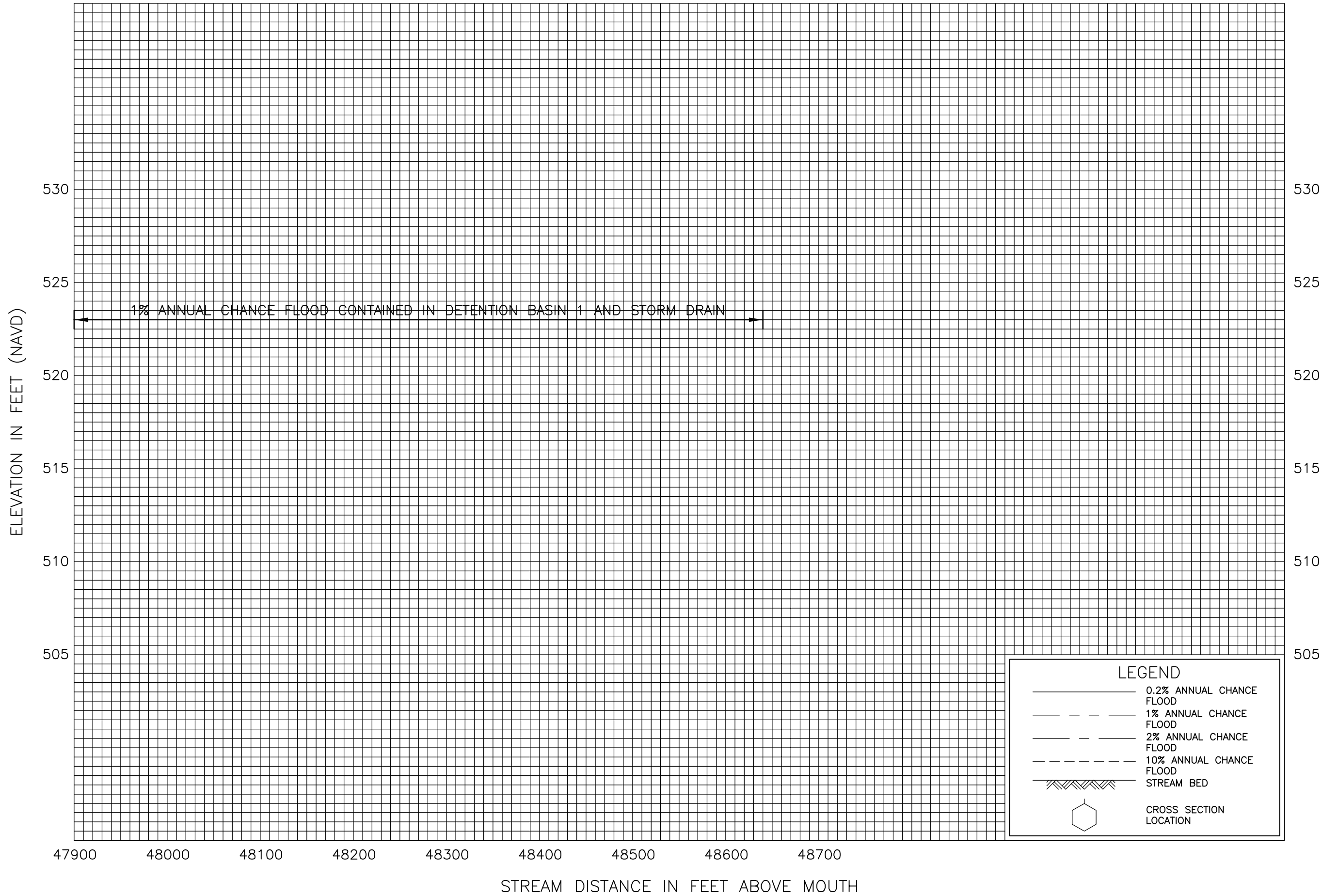


FLOOD PROFILES

TELEGRAPH CANYON CREEK

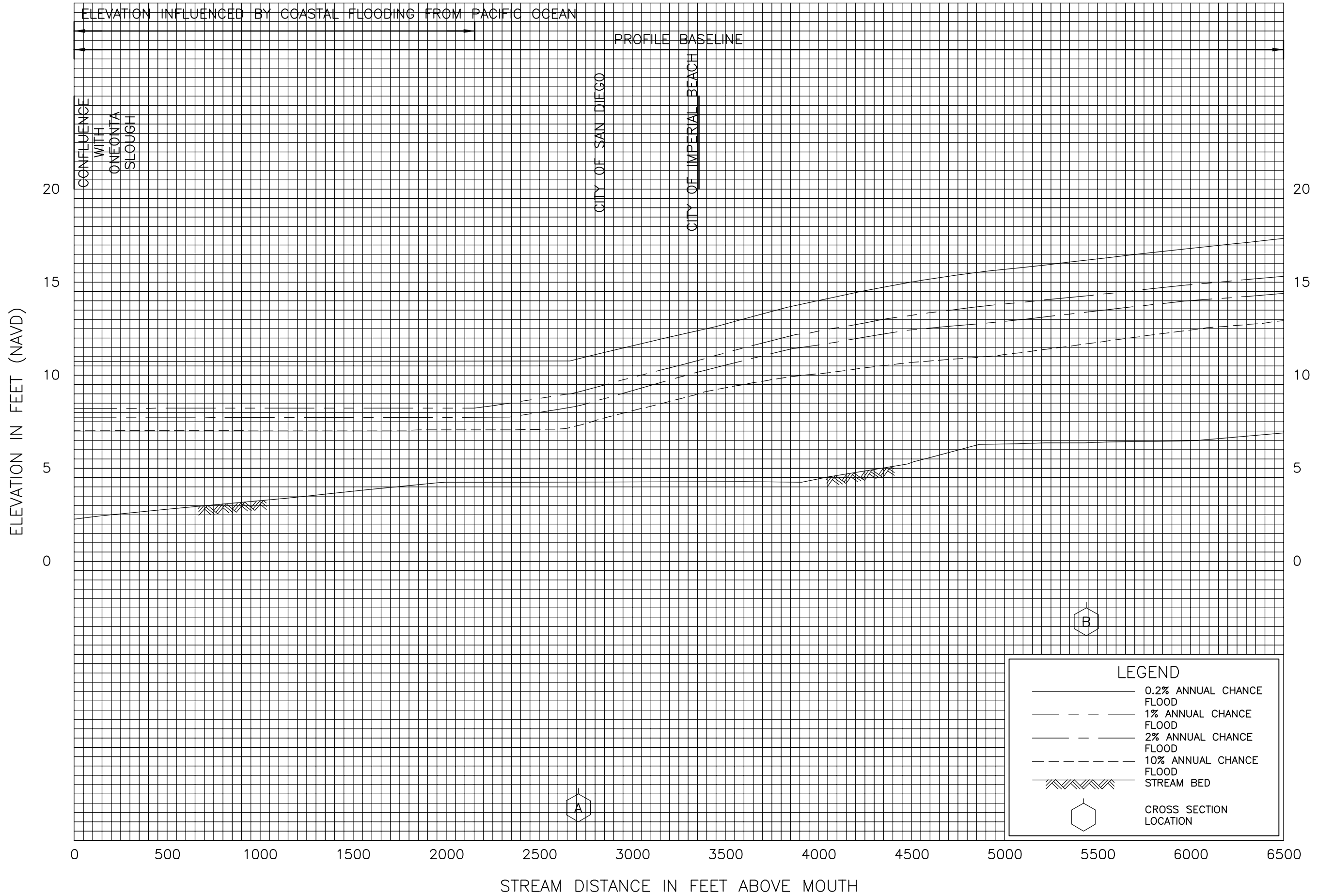
FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TELEGRAPH CANYON CREEK

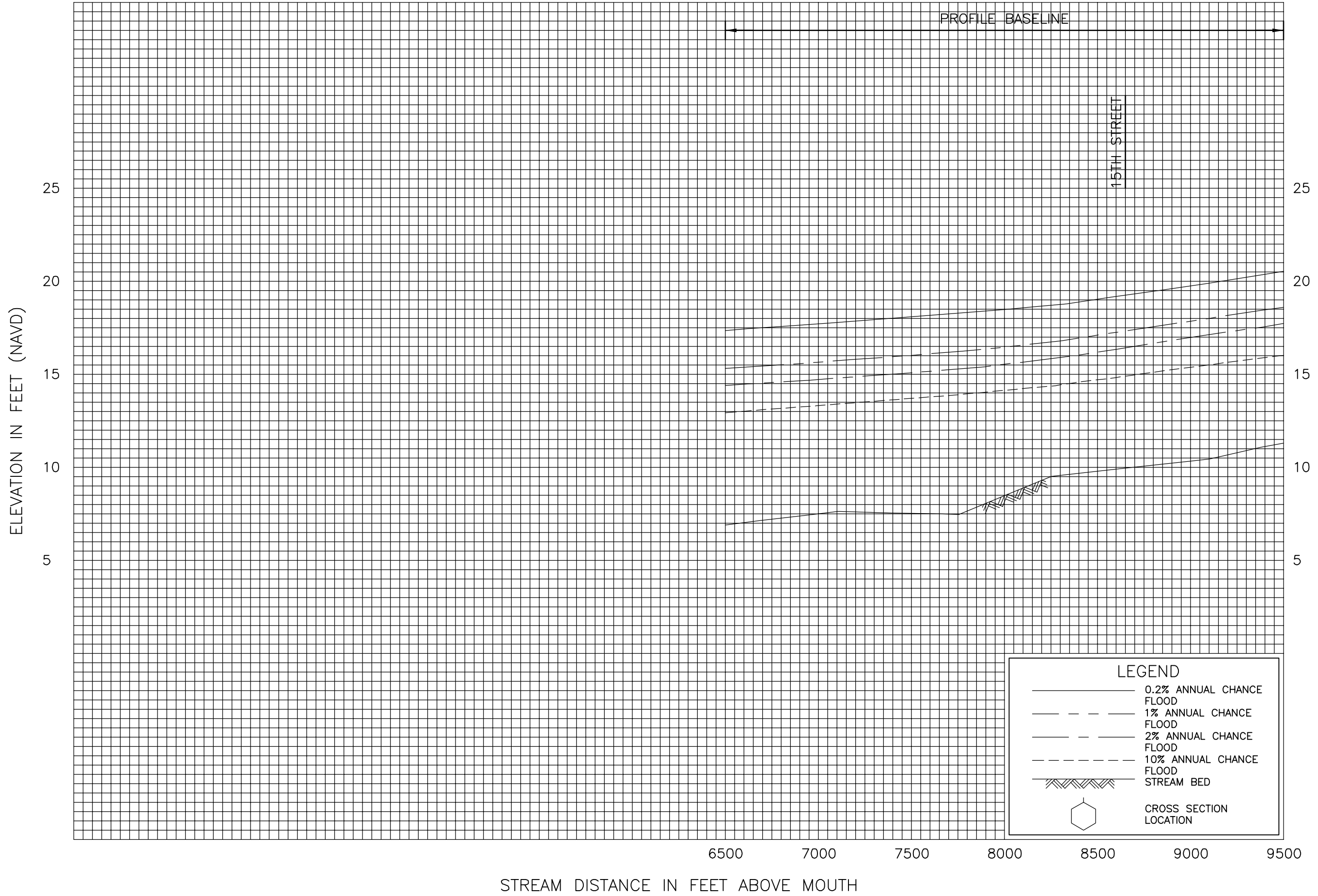
FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES  
TIJUANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY  
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



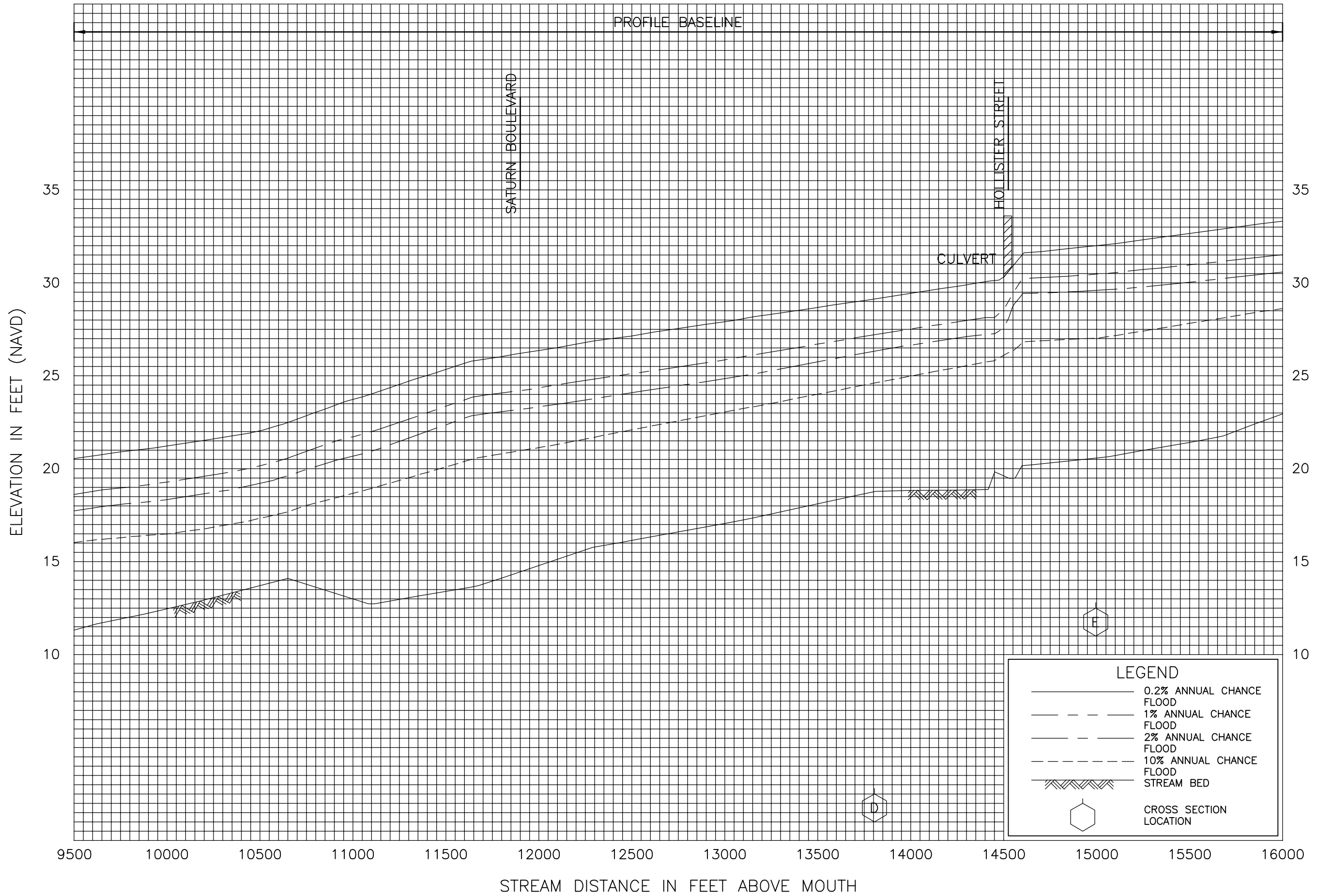


FLOOD PROFILES

TIJUANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

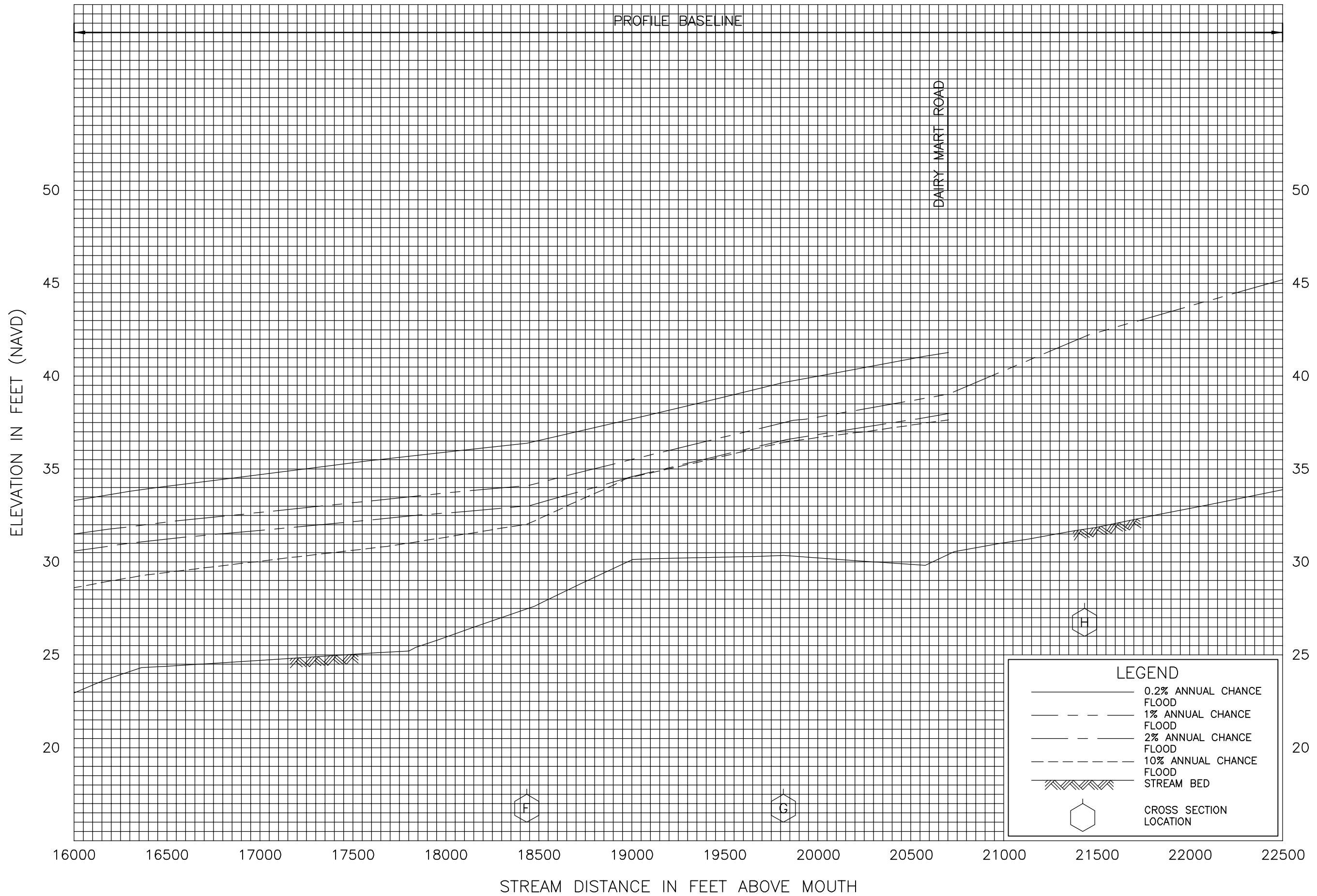


FLOOD PROFILES

TIJUANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

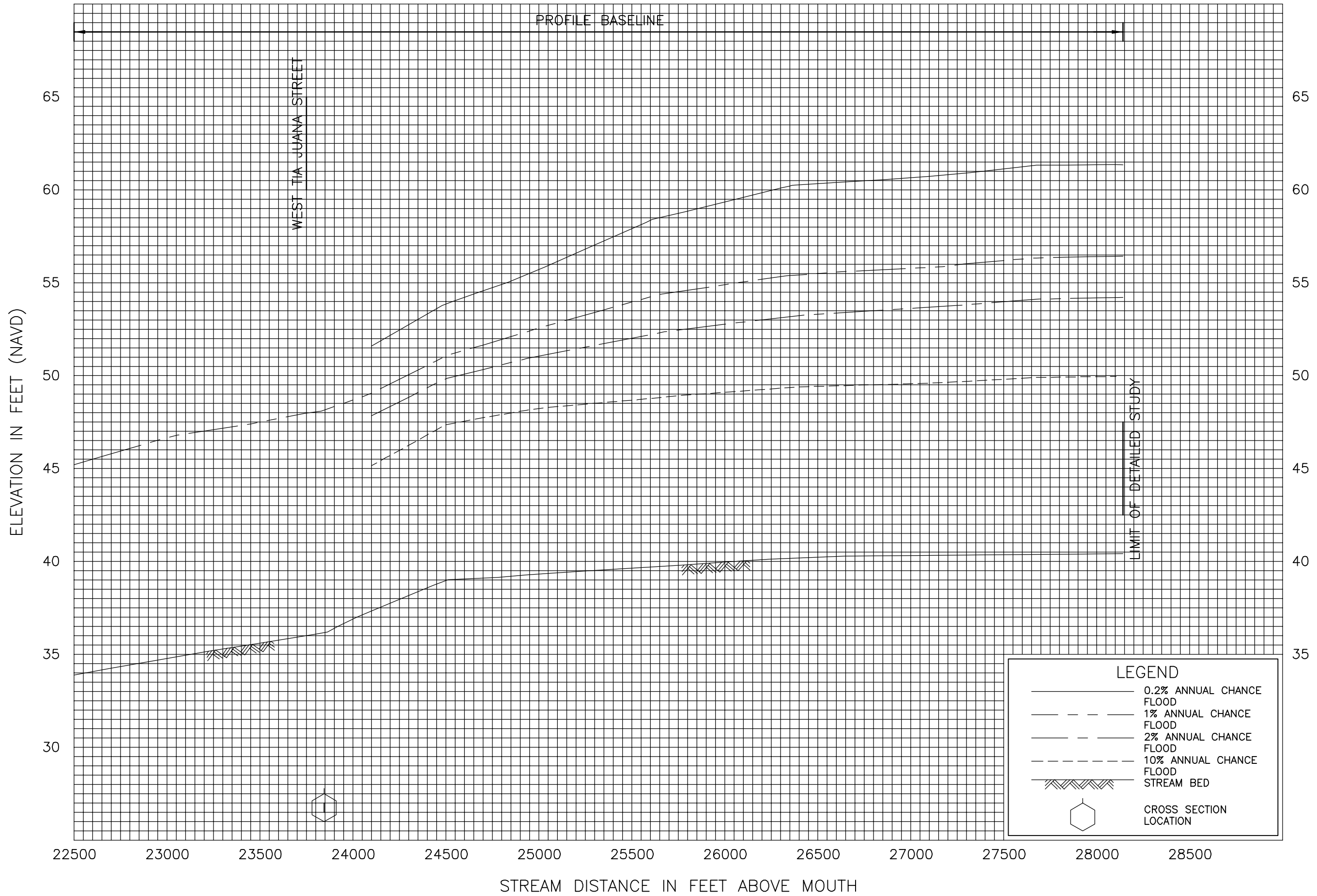
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES

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FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
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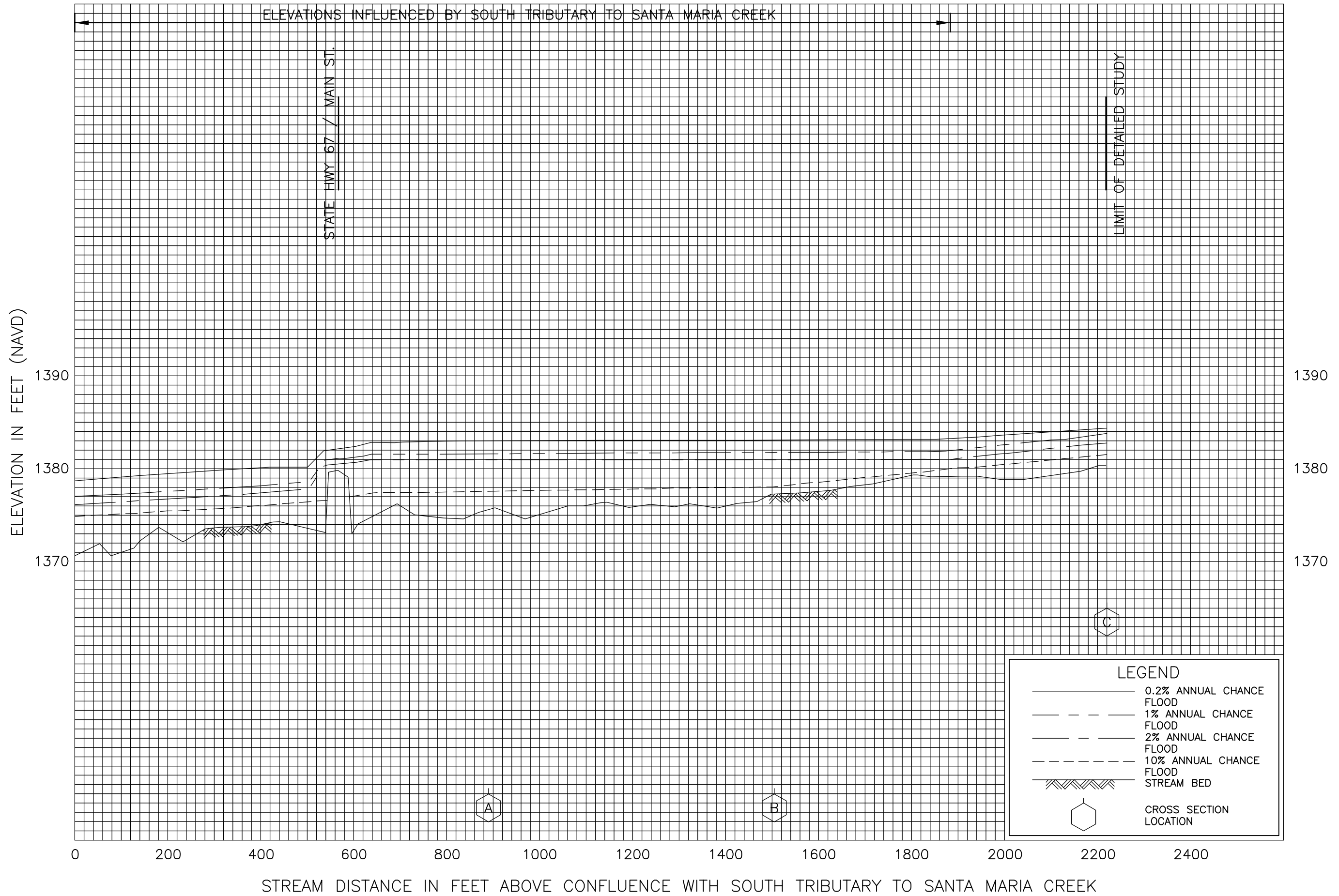


FLOOD PROFILES

TIJUANA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

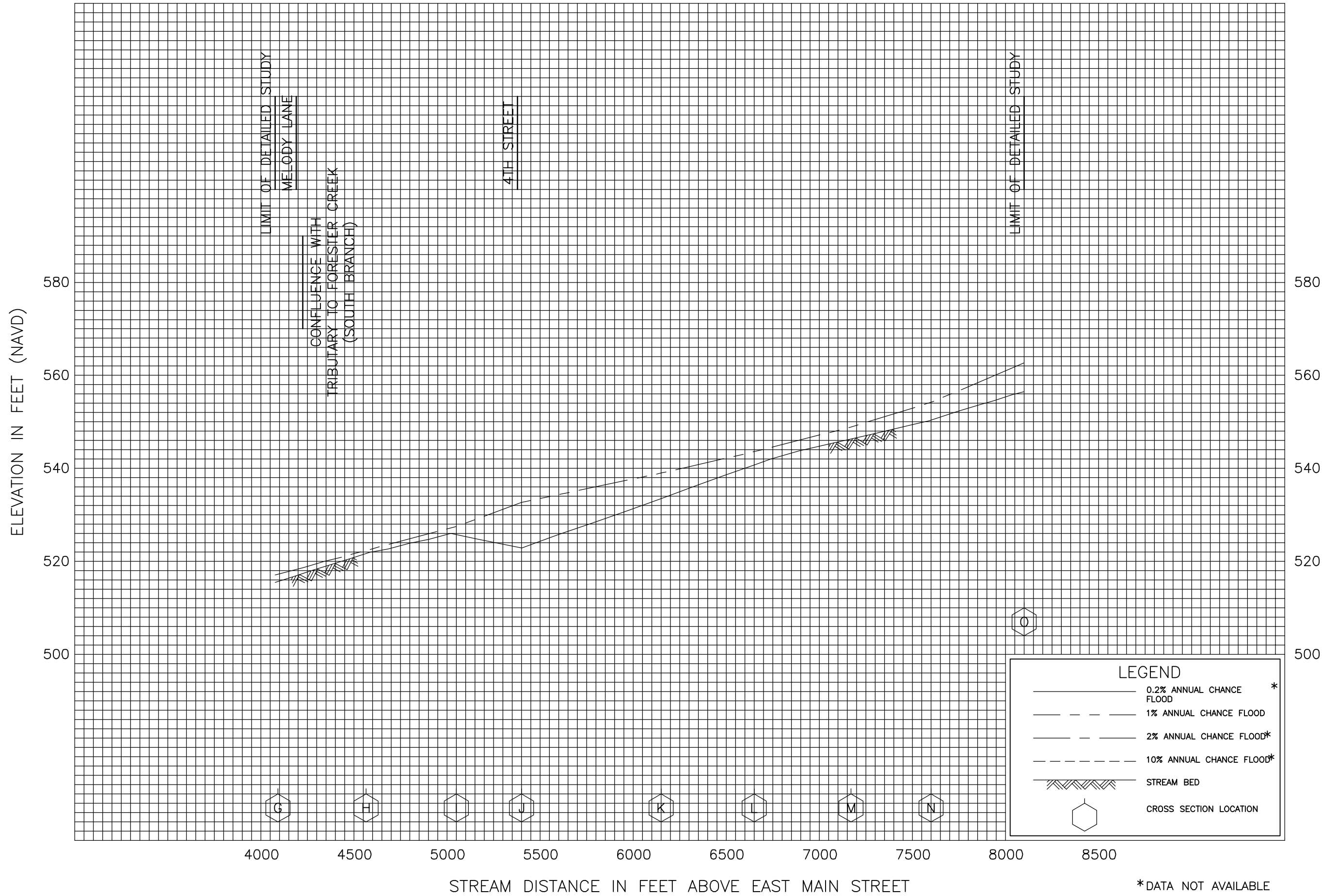
SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)



FLOOD PROFILES

TRIBUTARY OF SOUTH TRIBUTARY TO SANTA MARIA CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

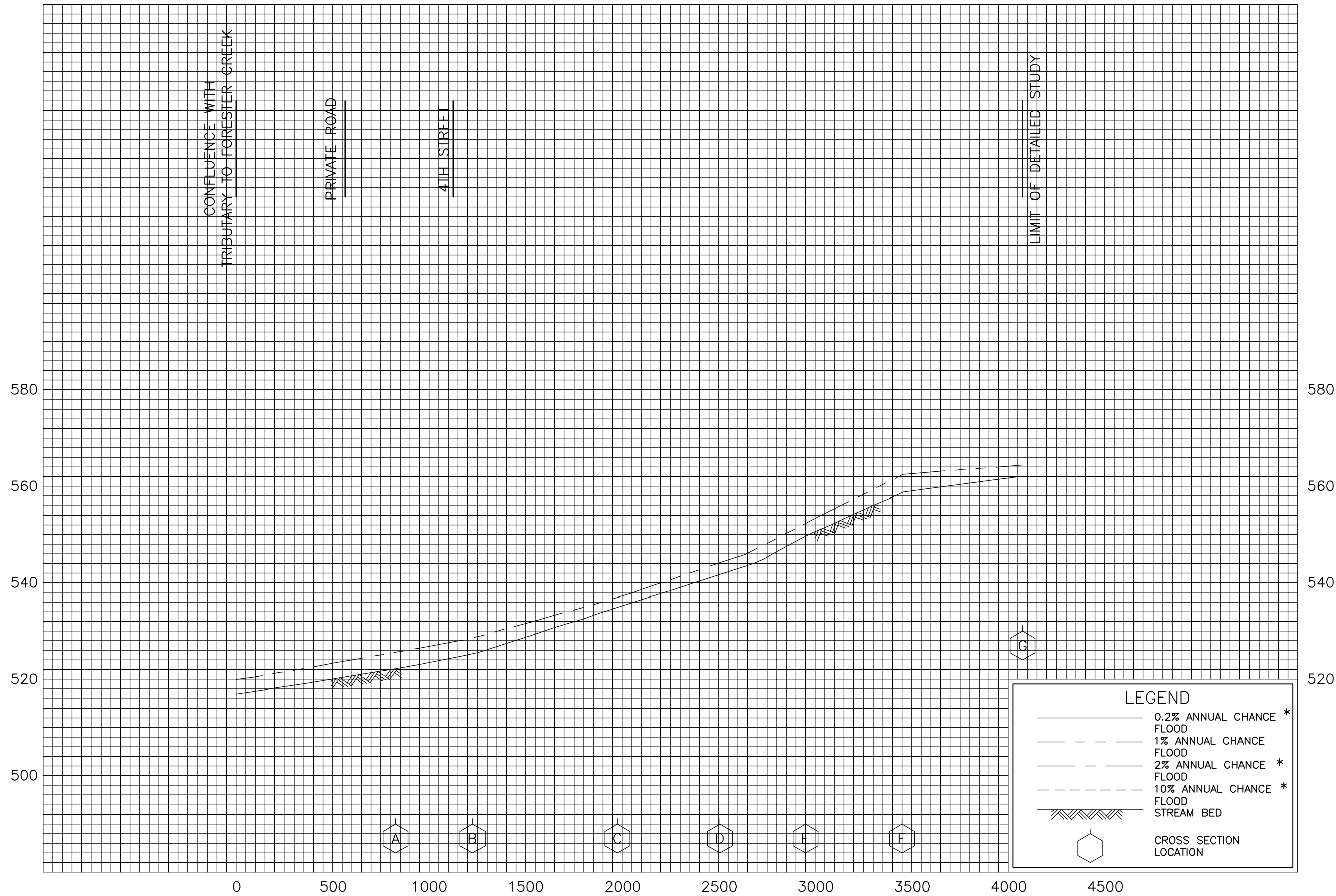


FLOOD PROFILES

TRIBUTARY TO FORESTER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

ELEVATION IN FEET (NAVD)



STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH TRIBUTARY TO FORESTER CREEK

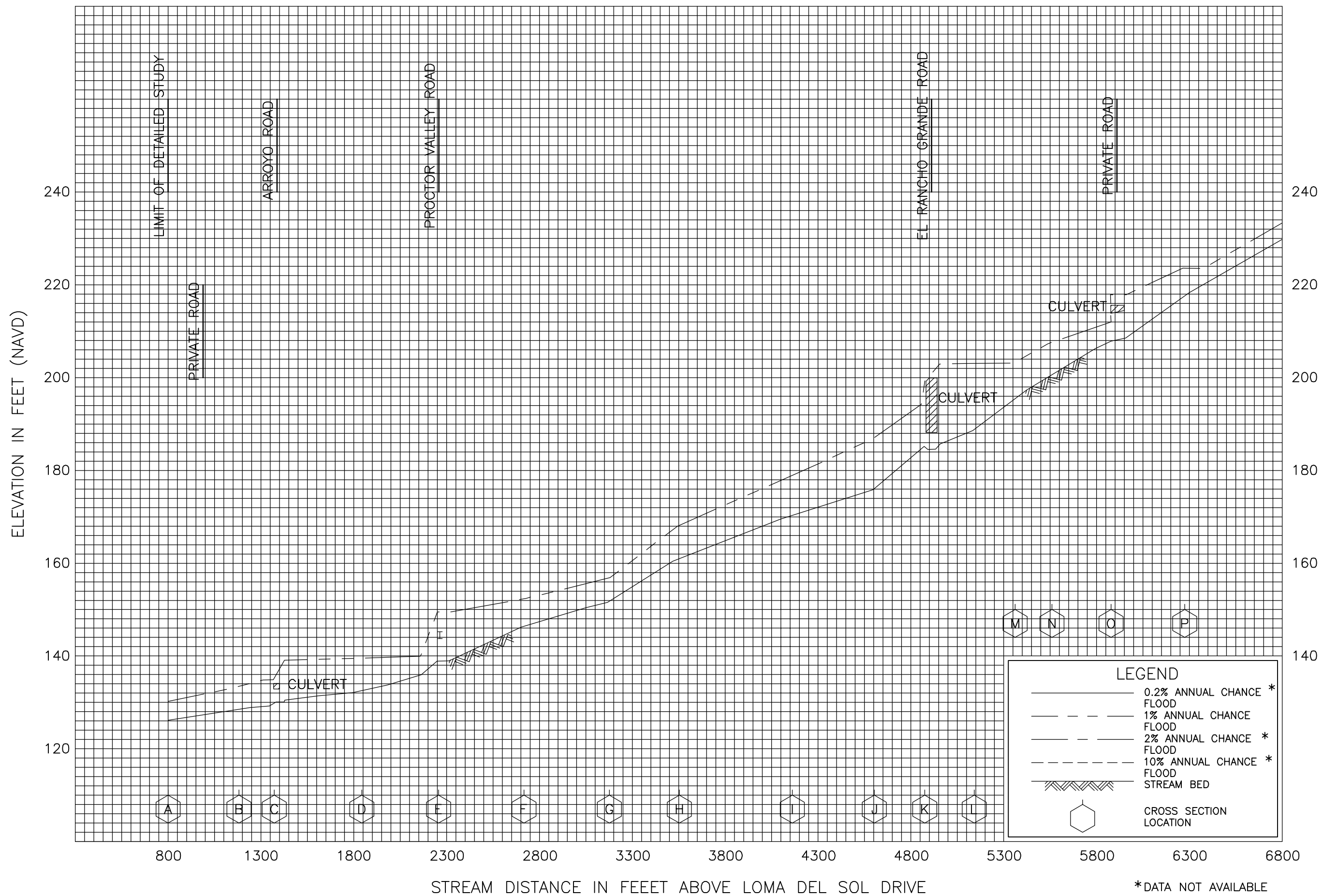
\*DATA NOT AVAILABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CA  
(AND INCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY TO FORESTER CREEK (SOUTH BRANCH)



\*DATA NOT AVAILABLE

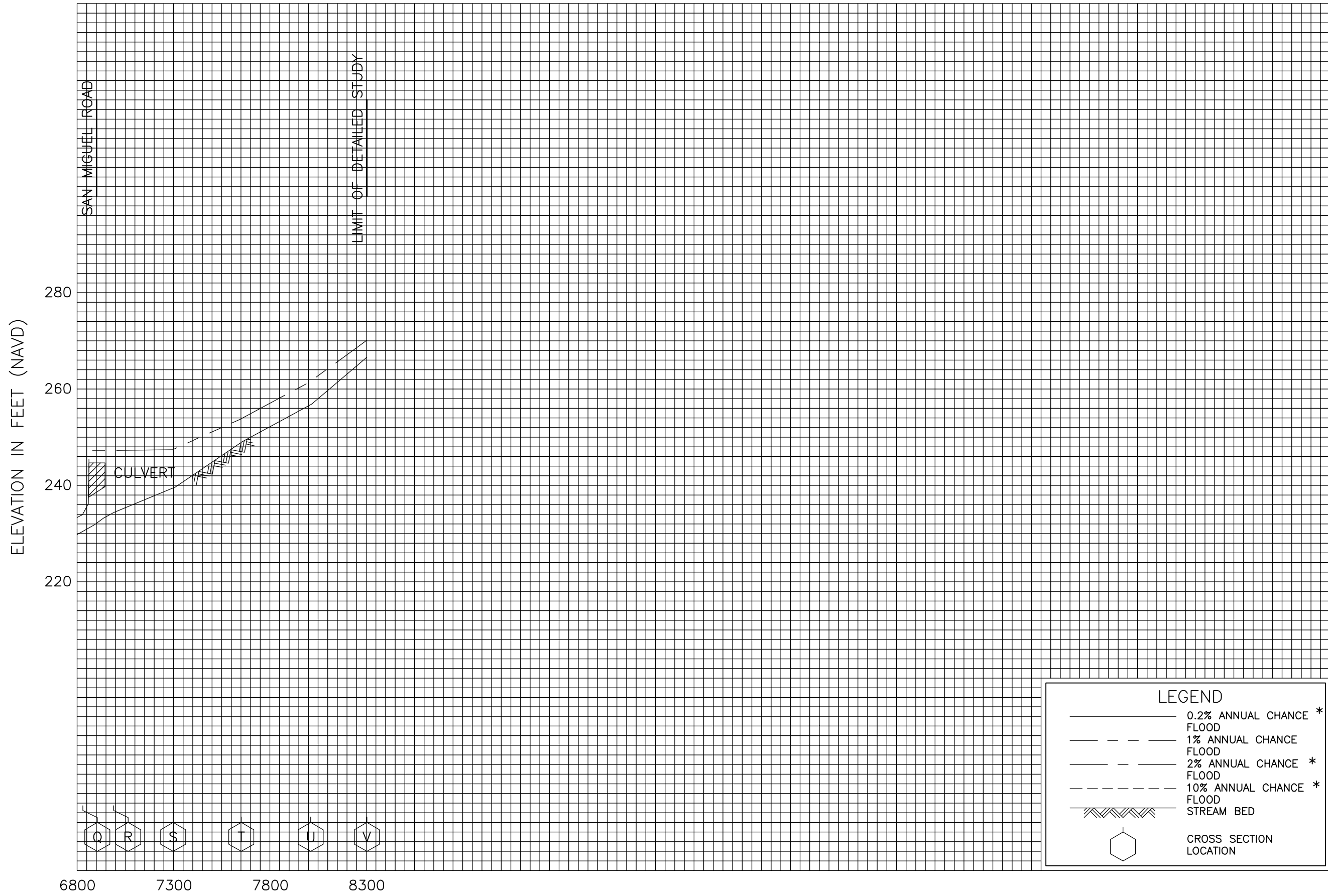
FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)

FLOOD PROFILES

TRIBUTARY TO SWEETWATER RIVER

549P





STREAM DISTANCE IN FEET ABOVE LOMA DEL SOL DRIVE

\*DATA NOT AVAILABLE

FLOOD PROFILES

TRIBUTARY TO SWEETWATER RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY  
 SAN DIEGO COUNTY, CA  
 (AND INCORPORATED AREAS)