FLOOD INSURANCE STUDY

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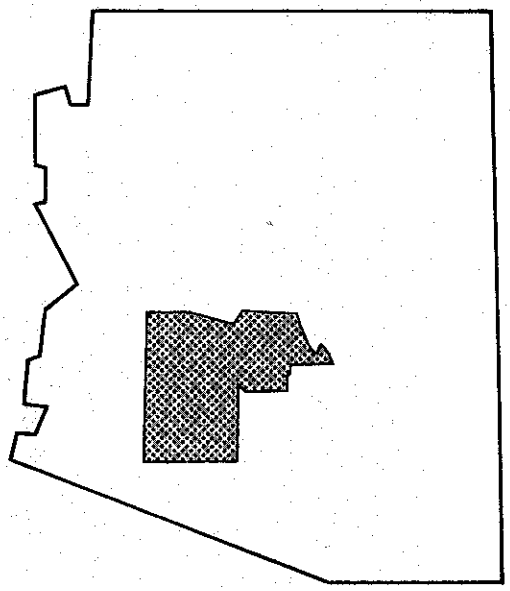
MARICOPA COUNTY, ARIZONA

AND INCORPORATED AREAS

VOLUME 13 OF 16

04013CV013

COMMUNITY NAME	COMMUNITY NUMBER
AVONDALE, CITY OF	040038
BUCKEYE, TOWN OF	040039
CAREFREE, TOWN OF	040126
CAVE CREEK, TOWN OF	040129
CHANDLER, CITY OF	040040
EL MIRAGE, CITY OF	040041
FOUNTAIN HILLS, TOWN OF	040135
GILA BEND, TOWN OF	040043
GILBERT, TOWN OF	040044
GLENDALE, CITY OF	040045
GOODYEAR, CITY OF	040046
GUADALUPE, TOWN OF	040111
LITCHFIELD PARK, CITY OF	040128
MARICOPA COUNTY UNINCORPORATED AREAS	040037
MESA, CITY OF	040048
PARADISE VALLEY, TOWN OF	040049
PEORIA, CITY OF	040050
PHOENIX, CITY OF	040051
QUEEN CREEK, TOWN OF	040132
SCOTTSDALE, CITY OF	045012
SURPRISE, CITY OF	045053
TEMPE, CITY OF	040054
TOLLESON, CITY OF	040055
WICKENBURG, TOWN OF	040056
YOUNGTOWN, TOWN OF	040057



REVISED: JULY 19, 2001

Federal Emergency Management Agency

1302.054

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.

This publication incorporates revisions to the original Flood Insurance Study. These revisions are presented in Section 10.0.

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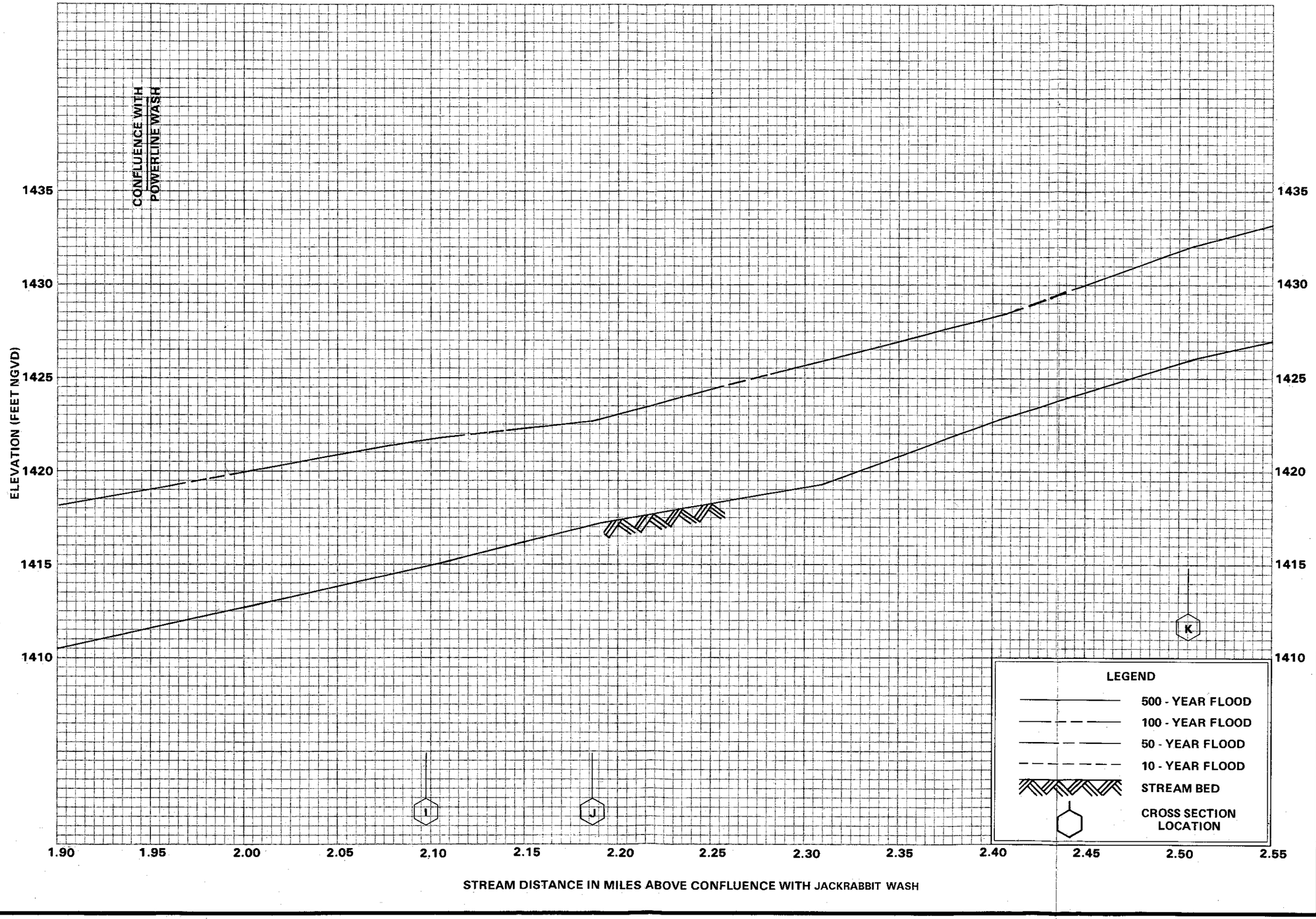
Flood Insurance Rate Map Index
Flood Insurance Rate Map



FLOOD PROFILES

STAR WASH

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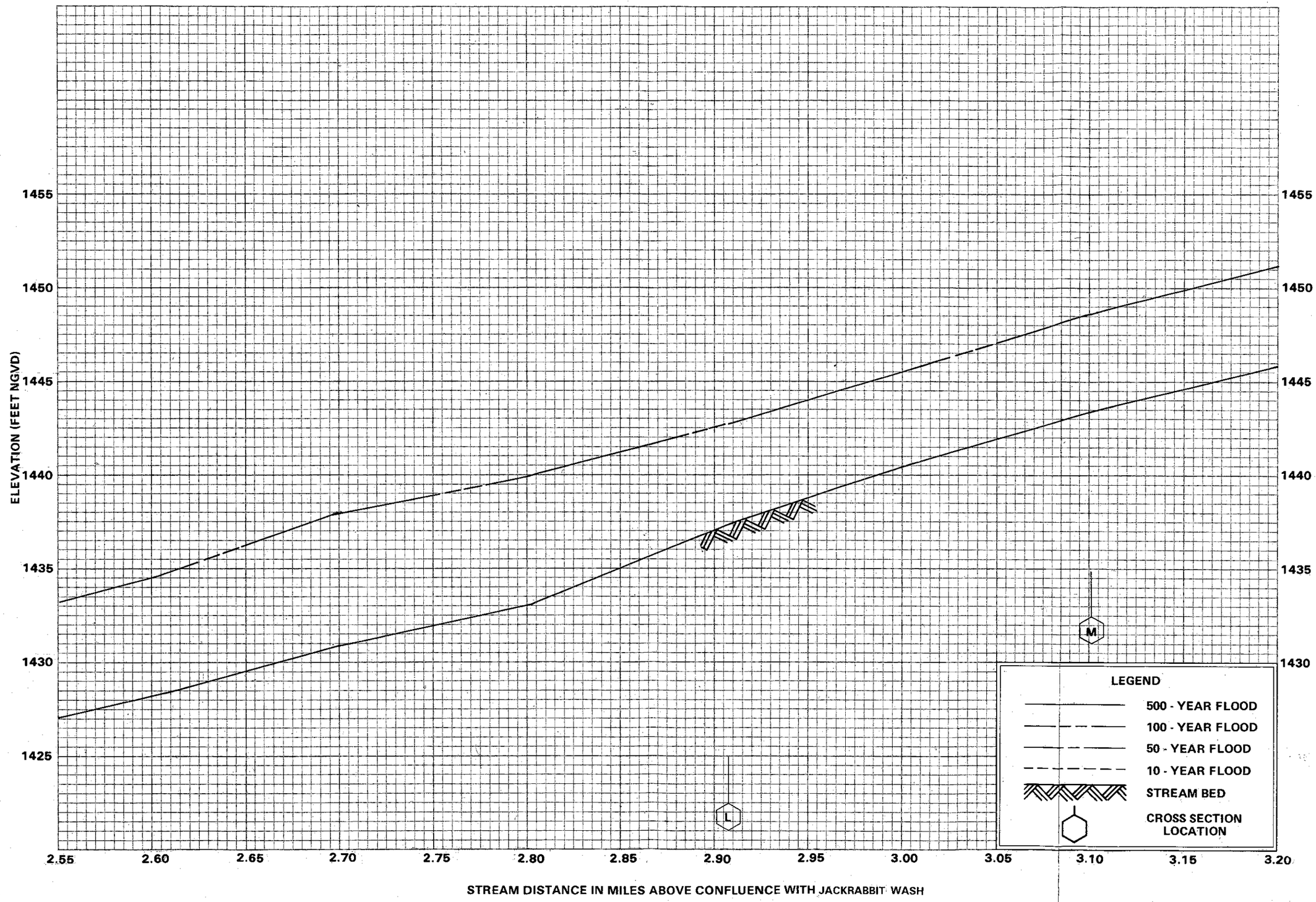

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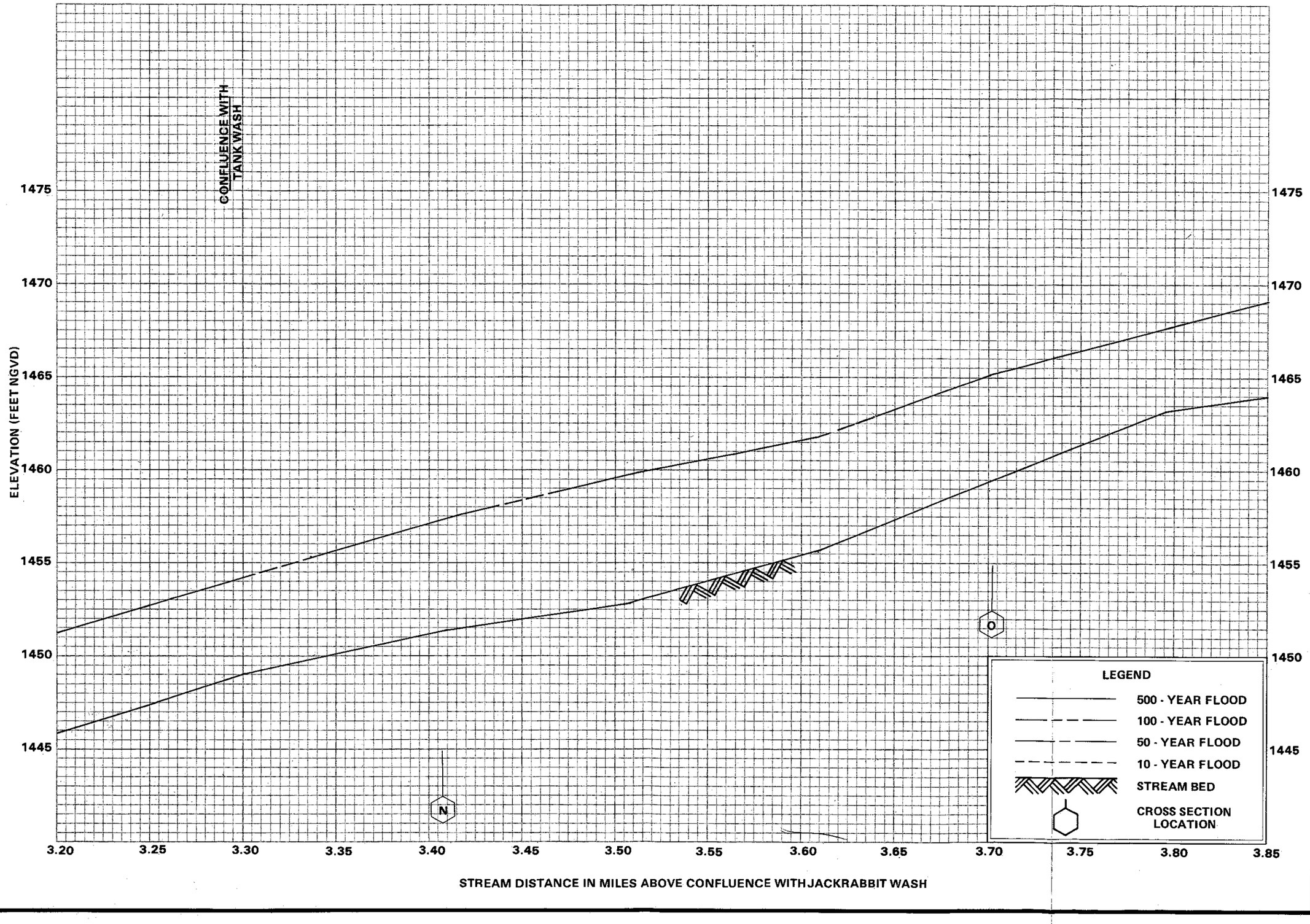

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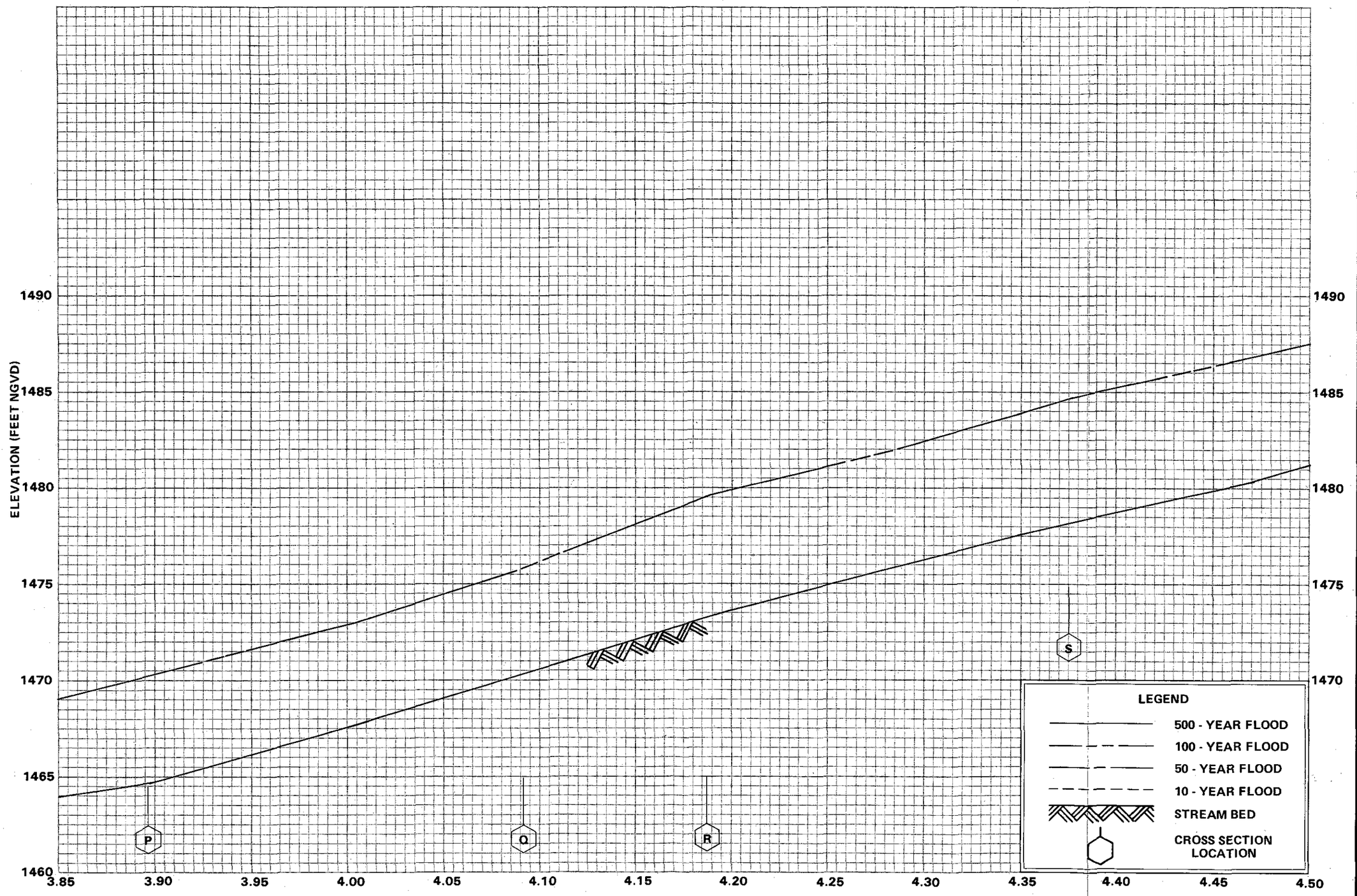

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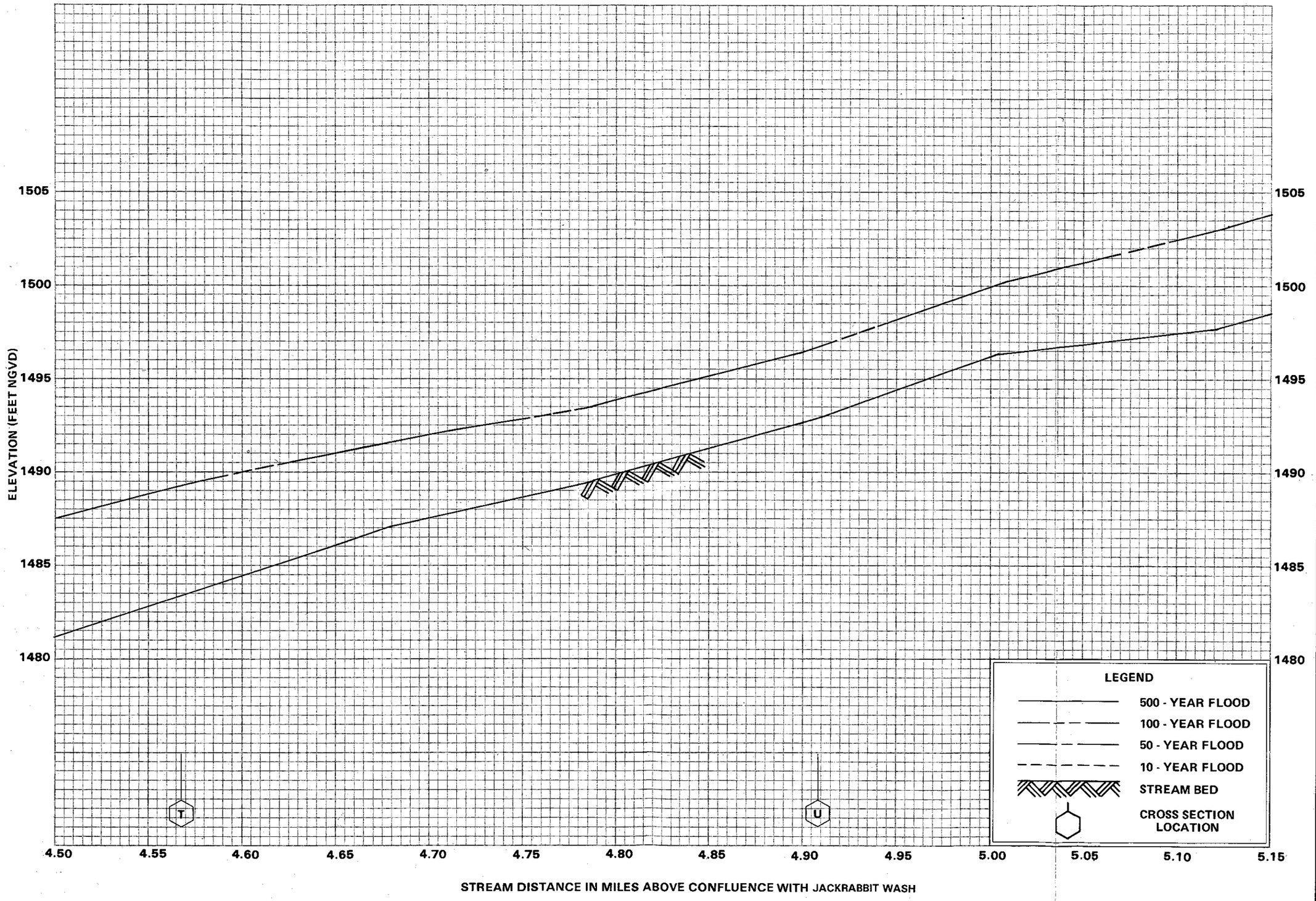

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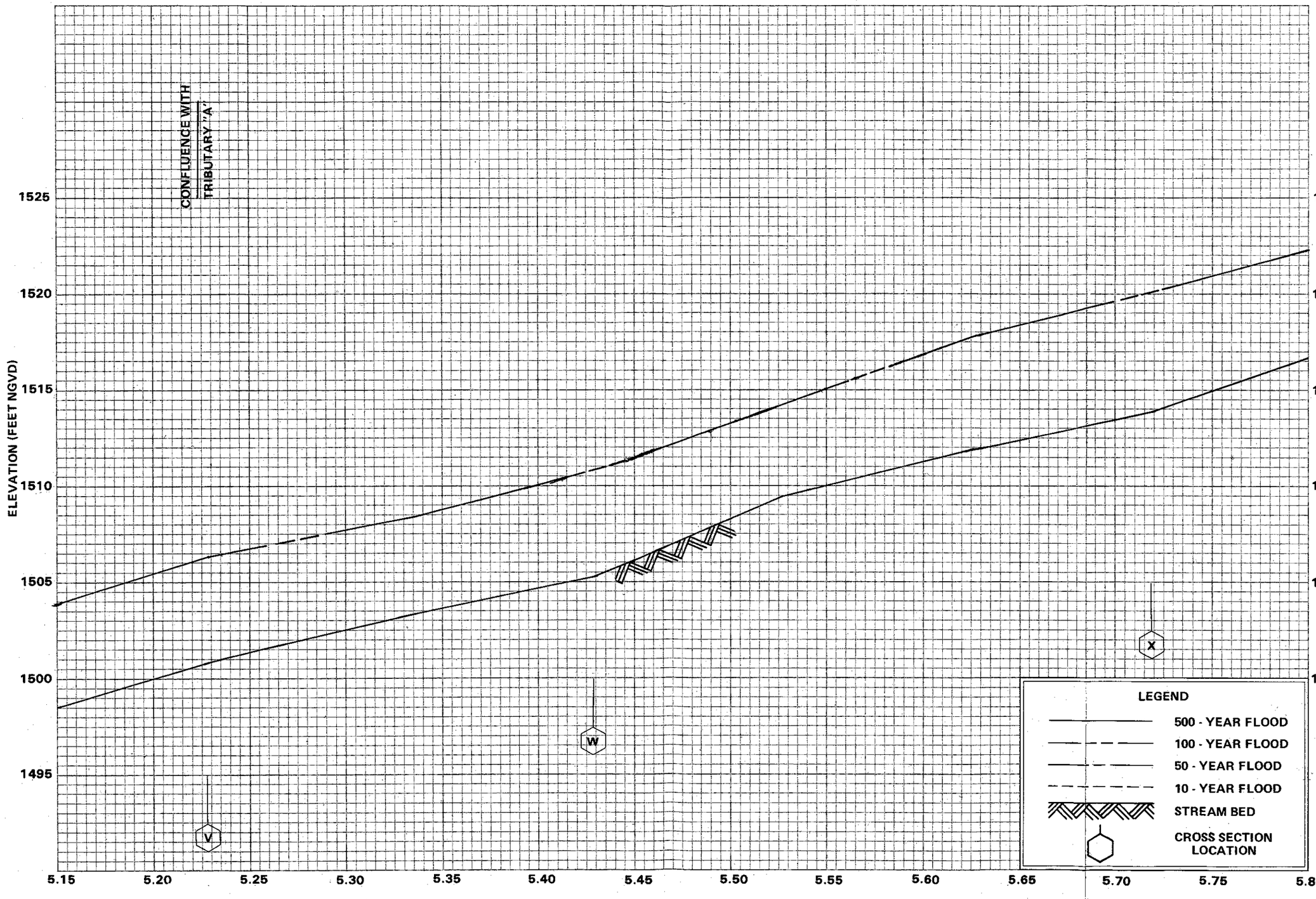

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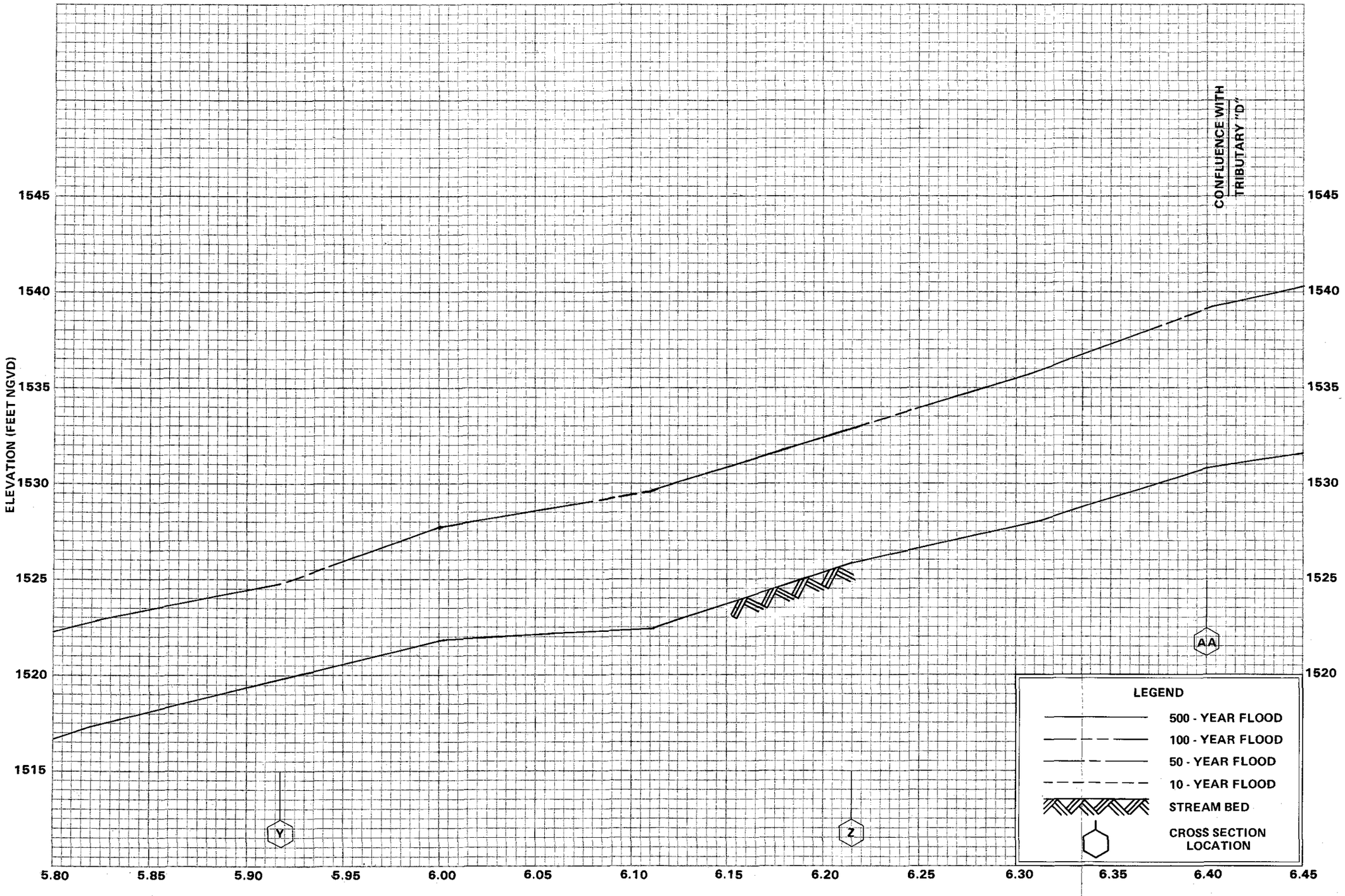

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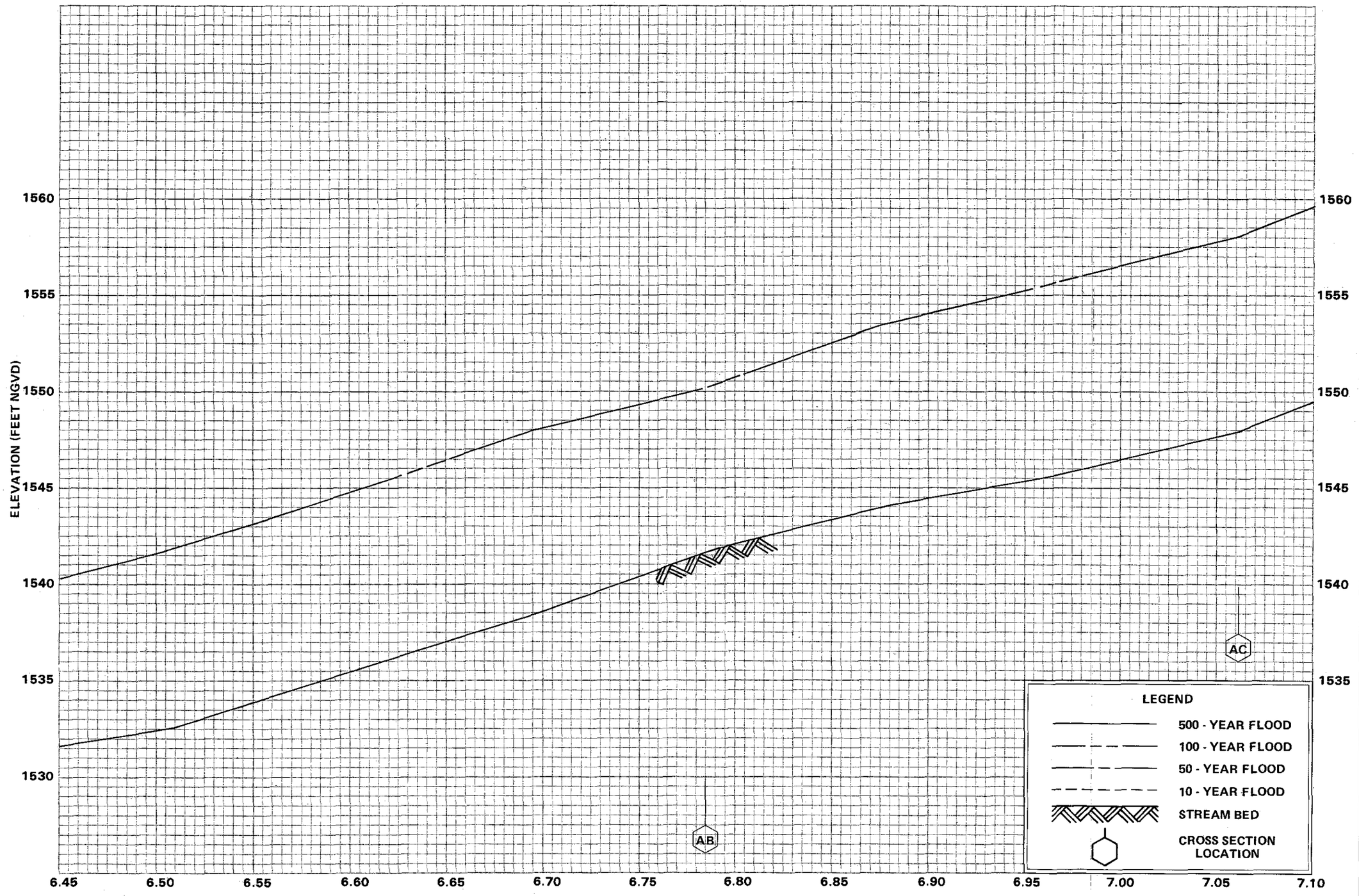

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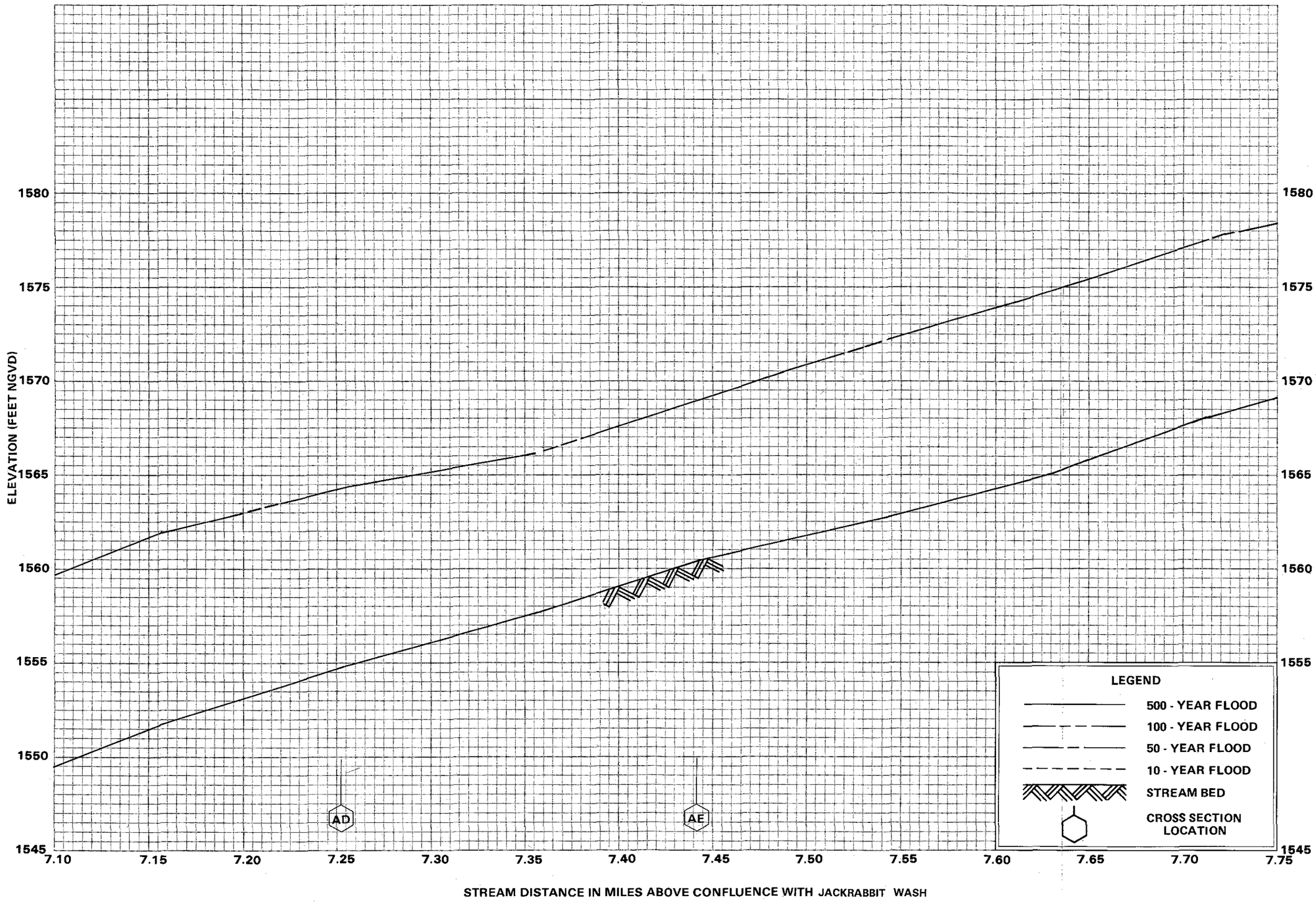

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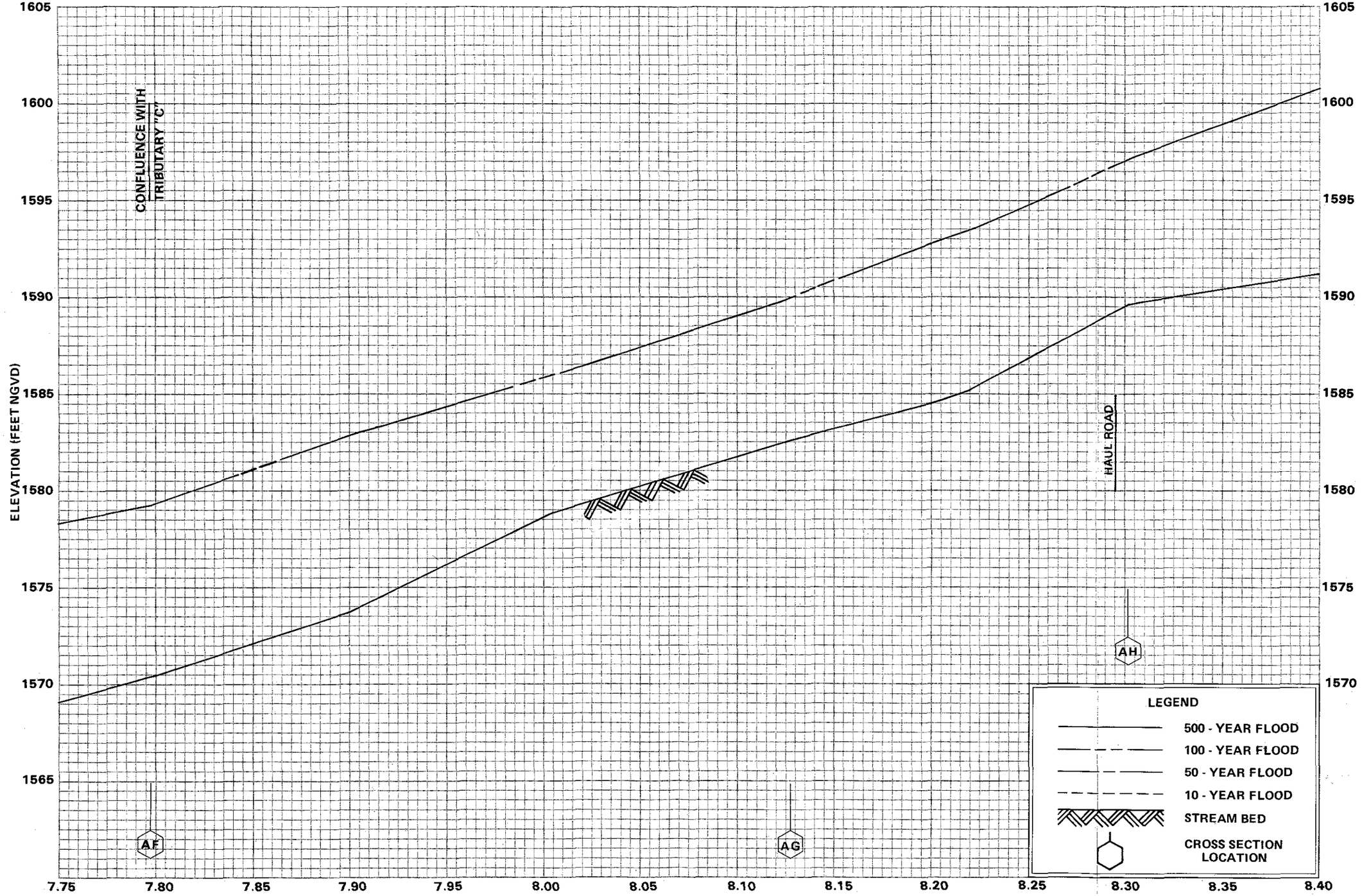

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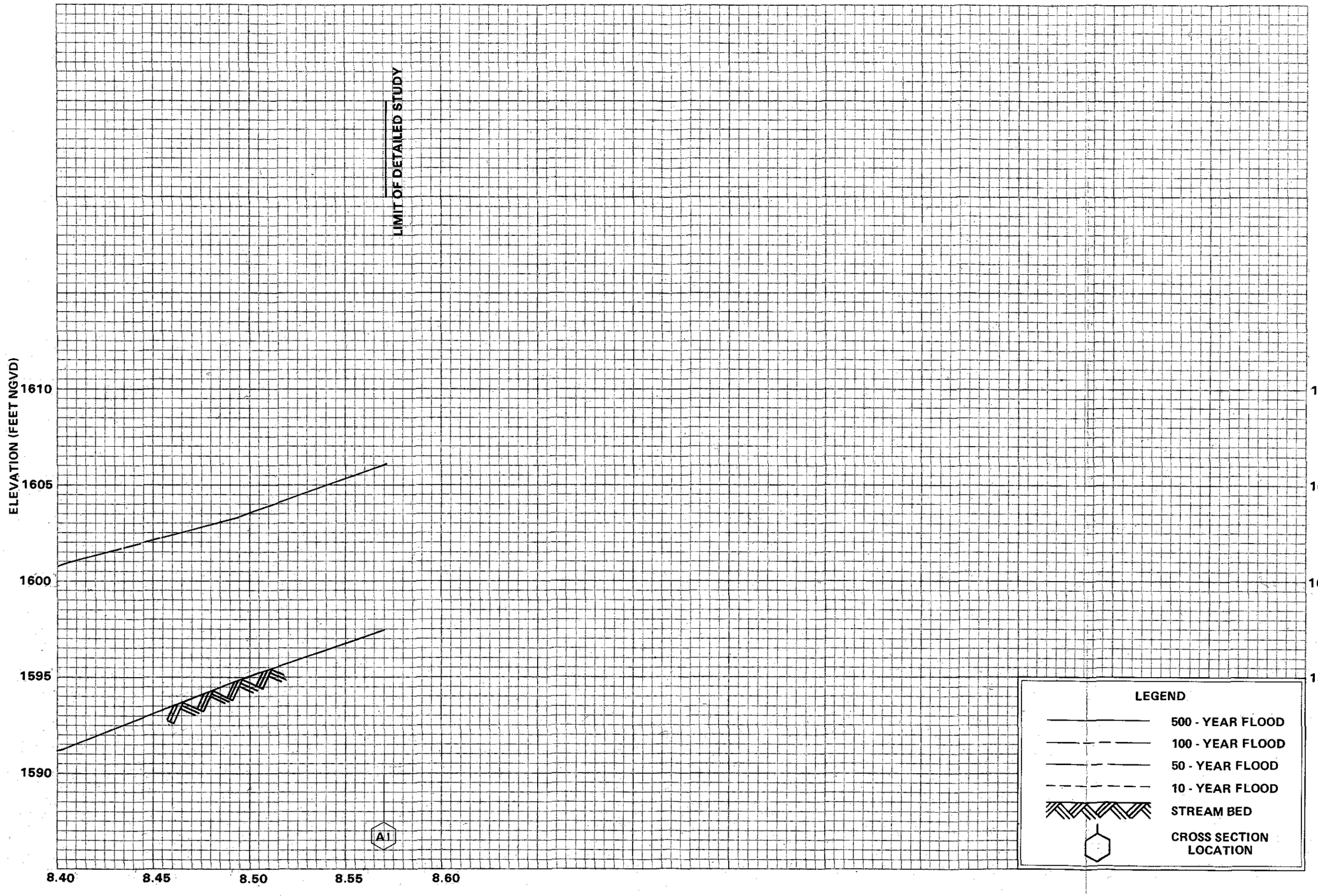
AND INCORPORATED AREAS

779P



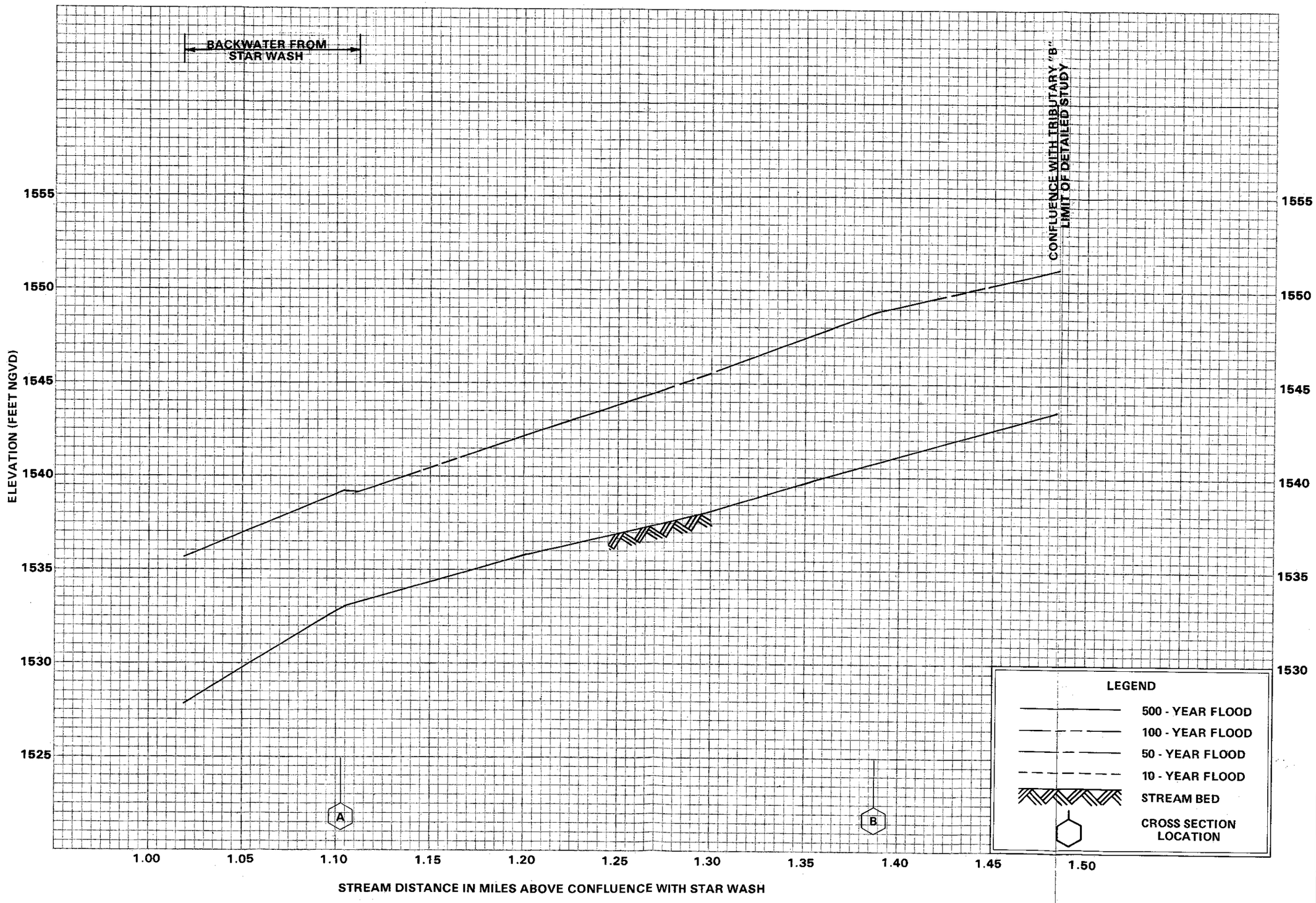
FLOOD PROFILES

STAR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

780P



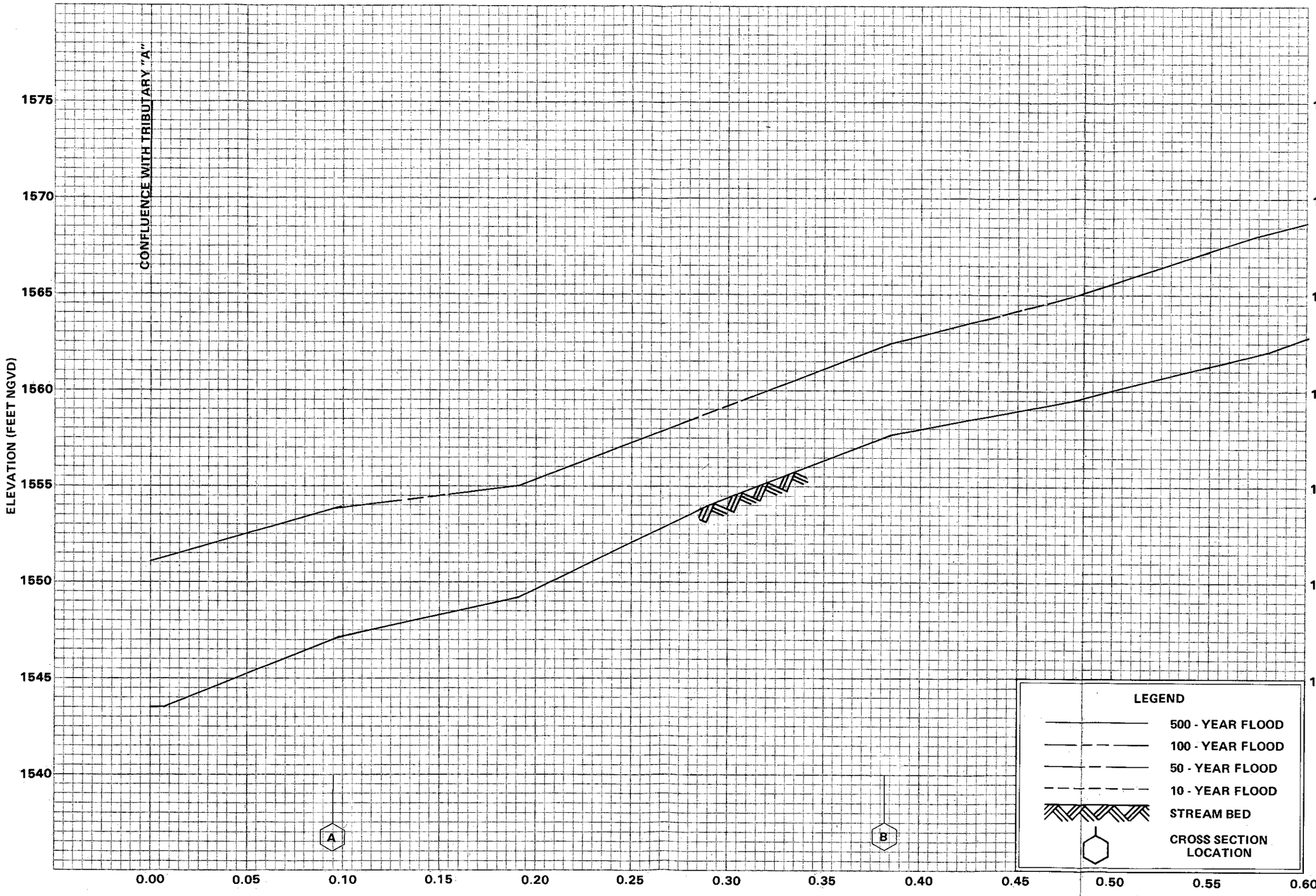
FLOOD PROFILES

STAR WASH–TRIBUTARY "A"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

781P



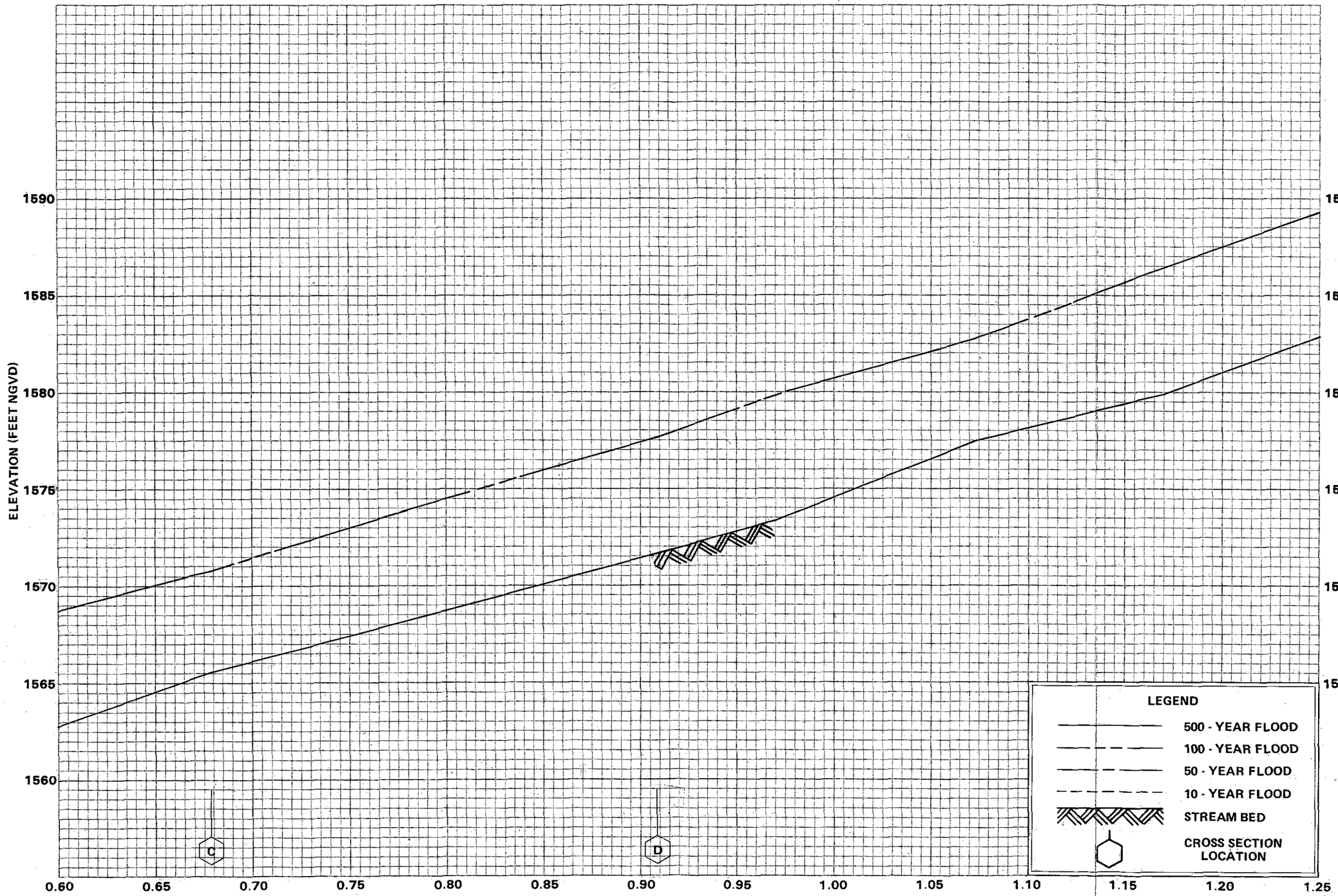
FLOOD PROFILES

STARWASH--TRIBUTARY "B"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

782P



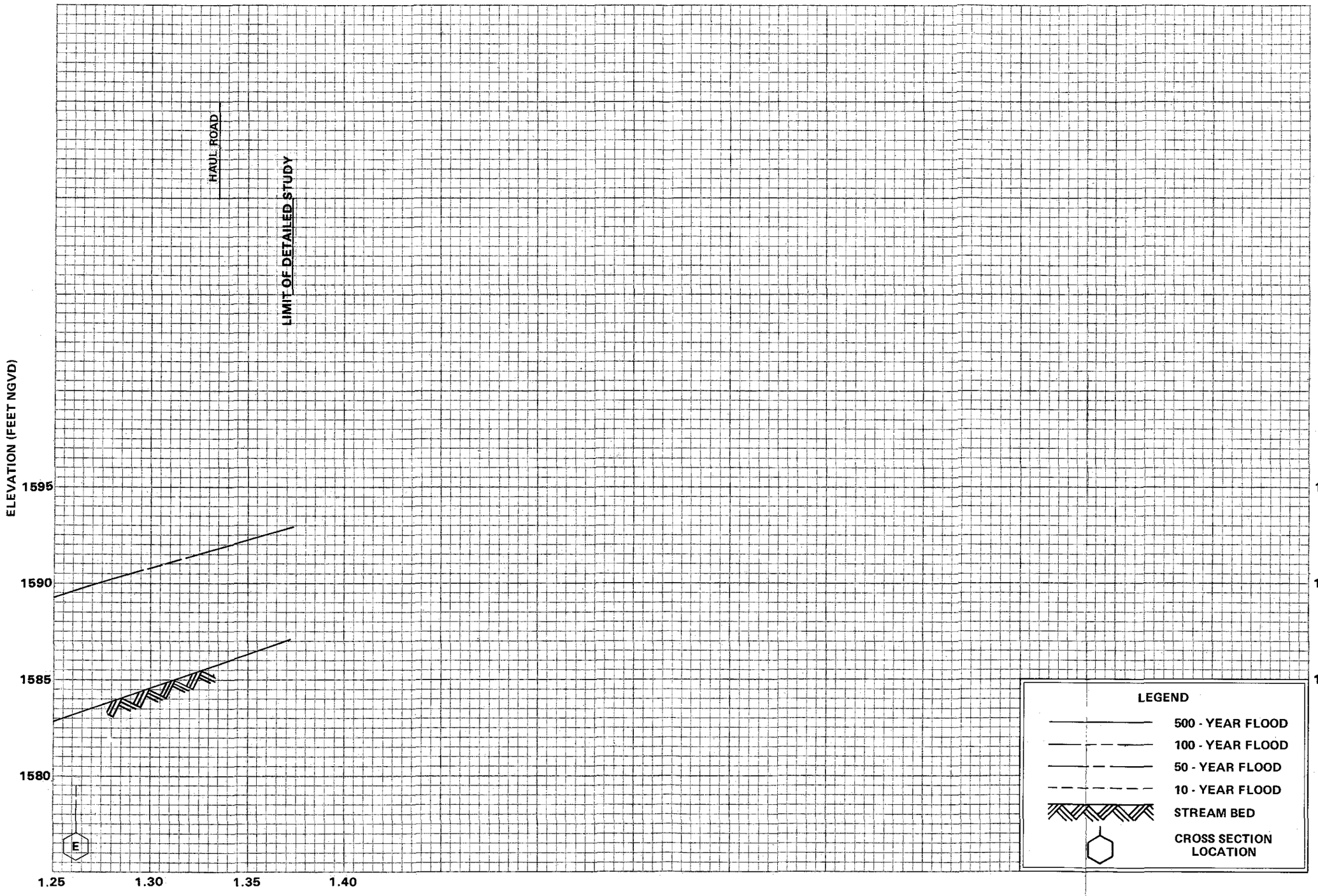
FLOOD PROFILES

STARWASH – TRIBUTARY "B"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

783P



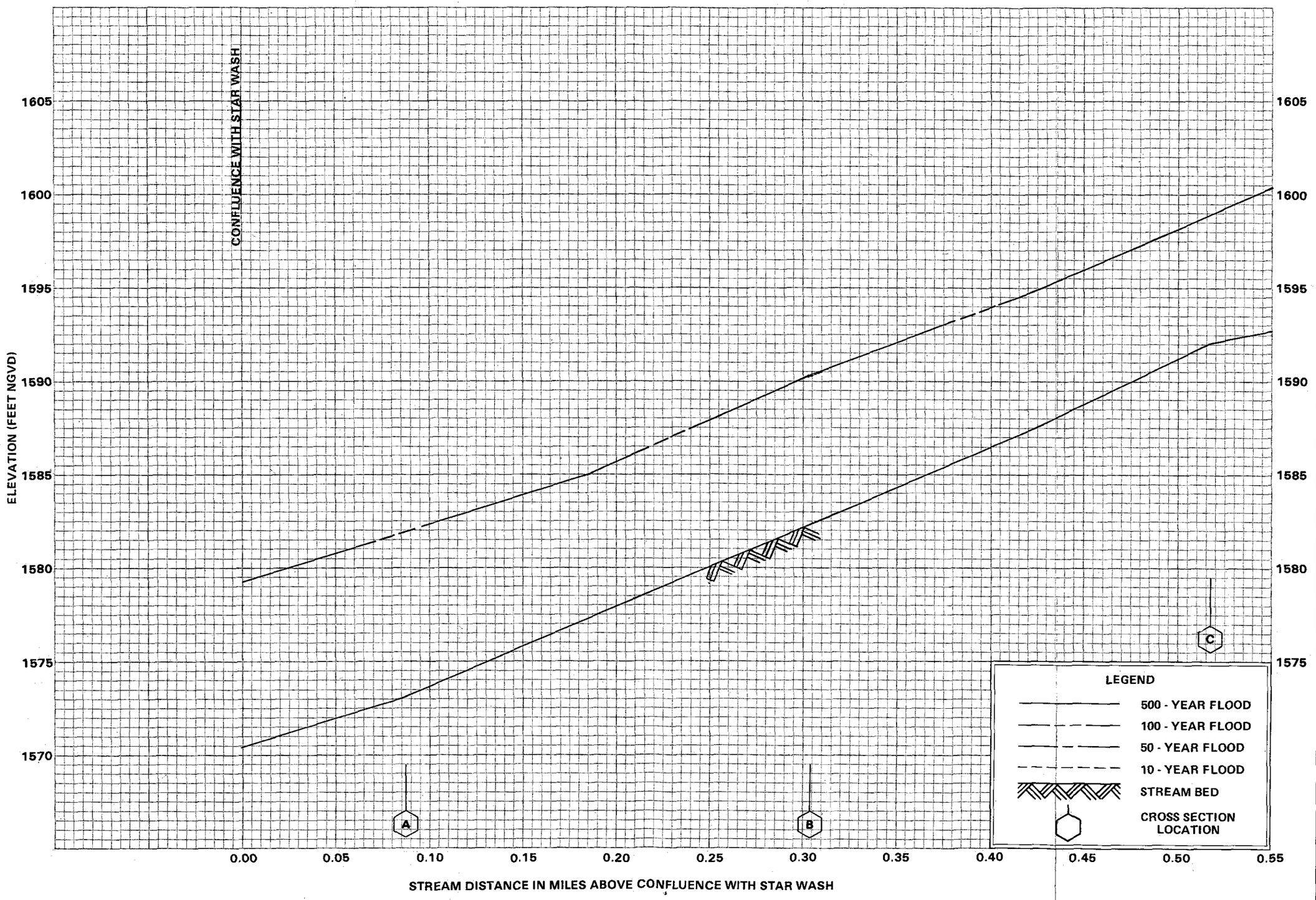
FLOOD PROFILES

STAR WASH–TRIBUTARY "B"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

784P



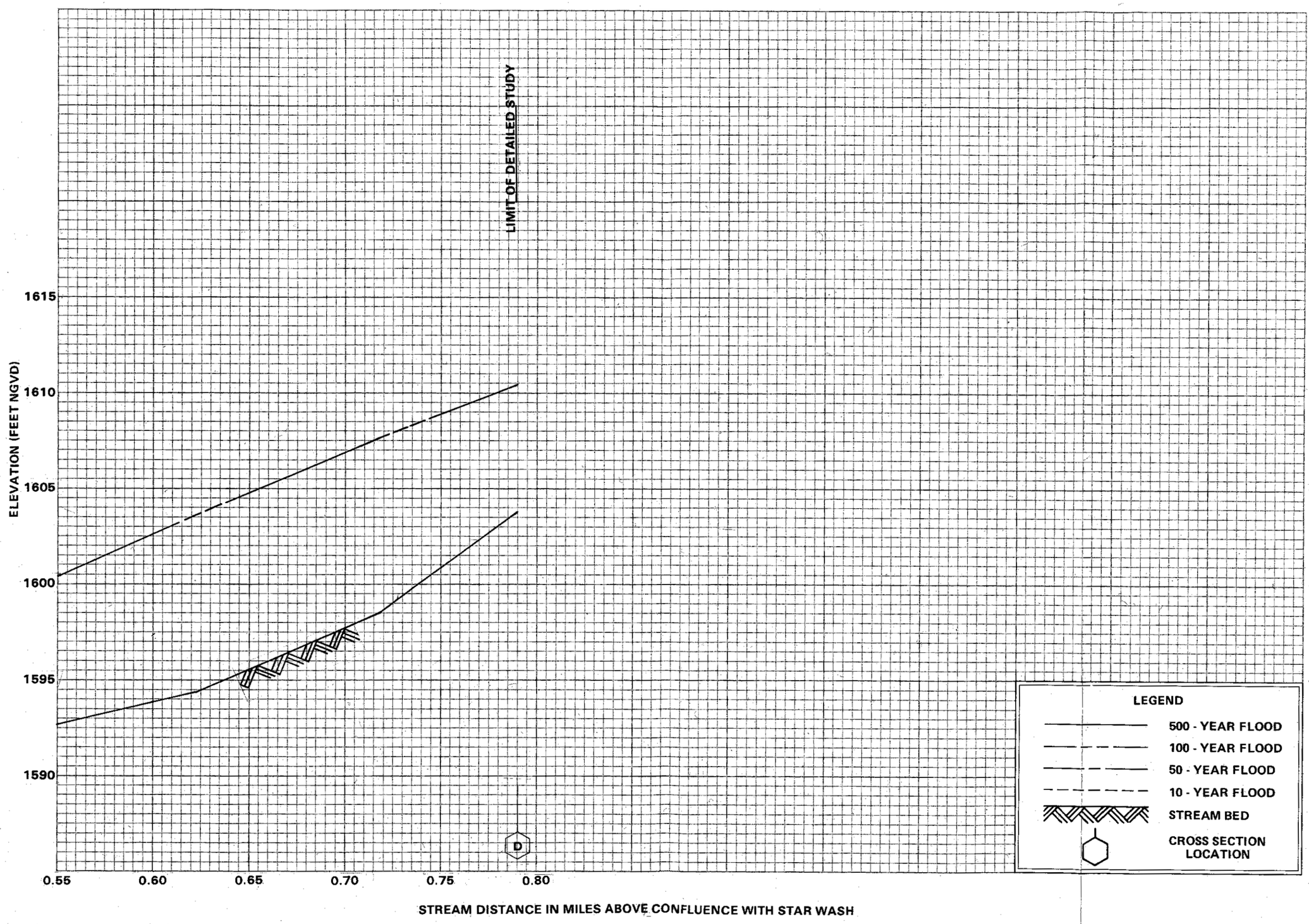
FLOOD PROFILES

STAR WASH–TRIBUTARY "C"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

785P



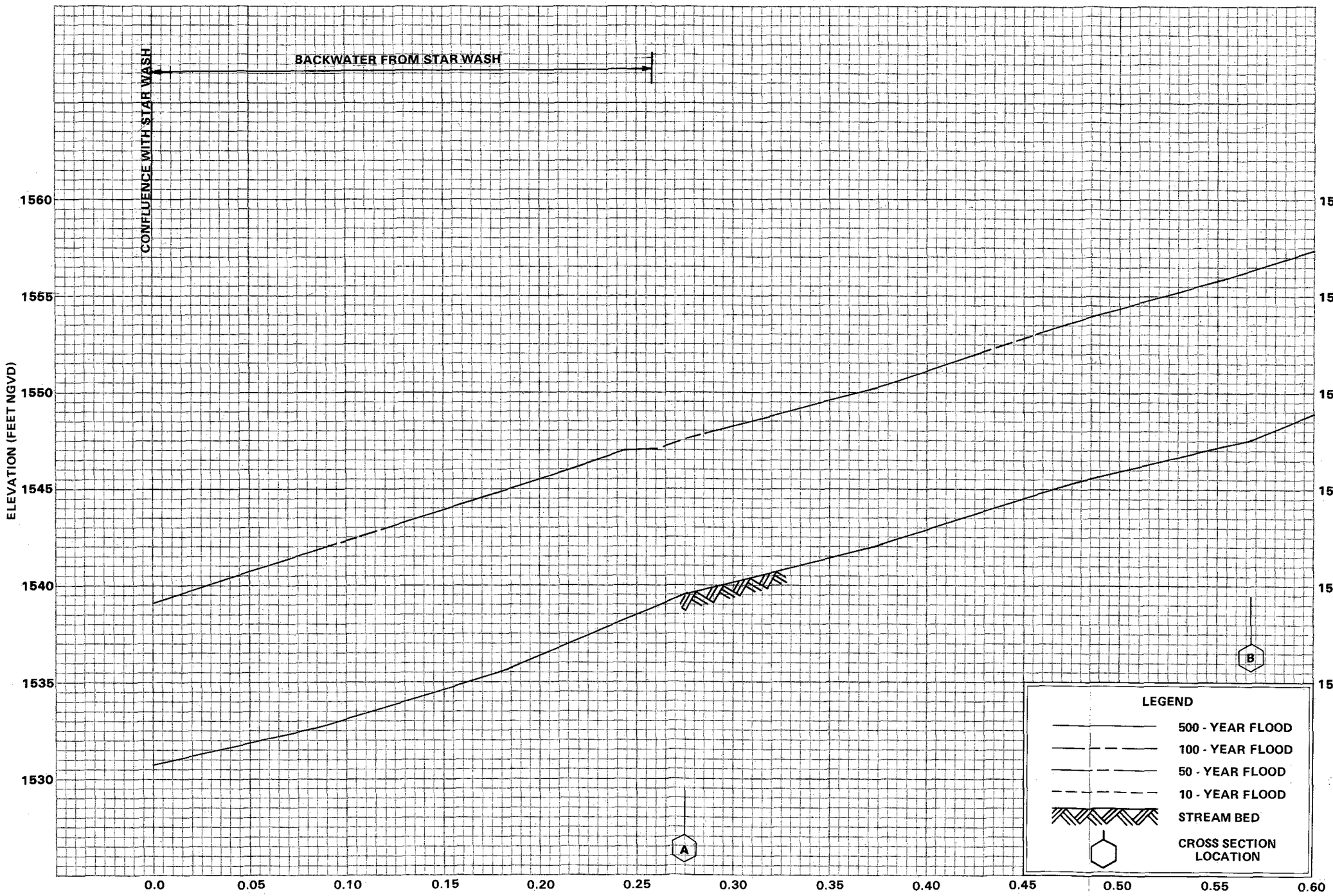
FLOOD PROFILES

STAR WASH–TRIBUTARY "C"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

786P



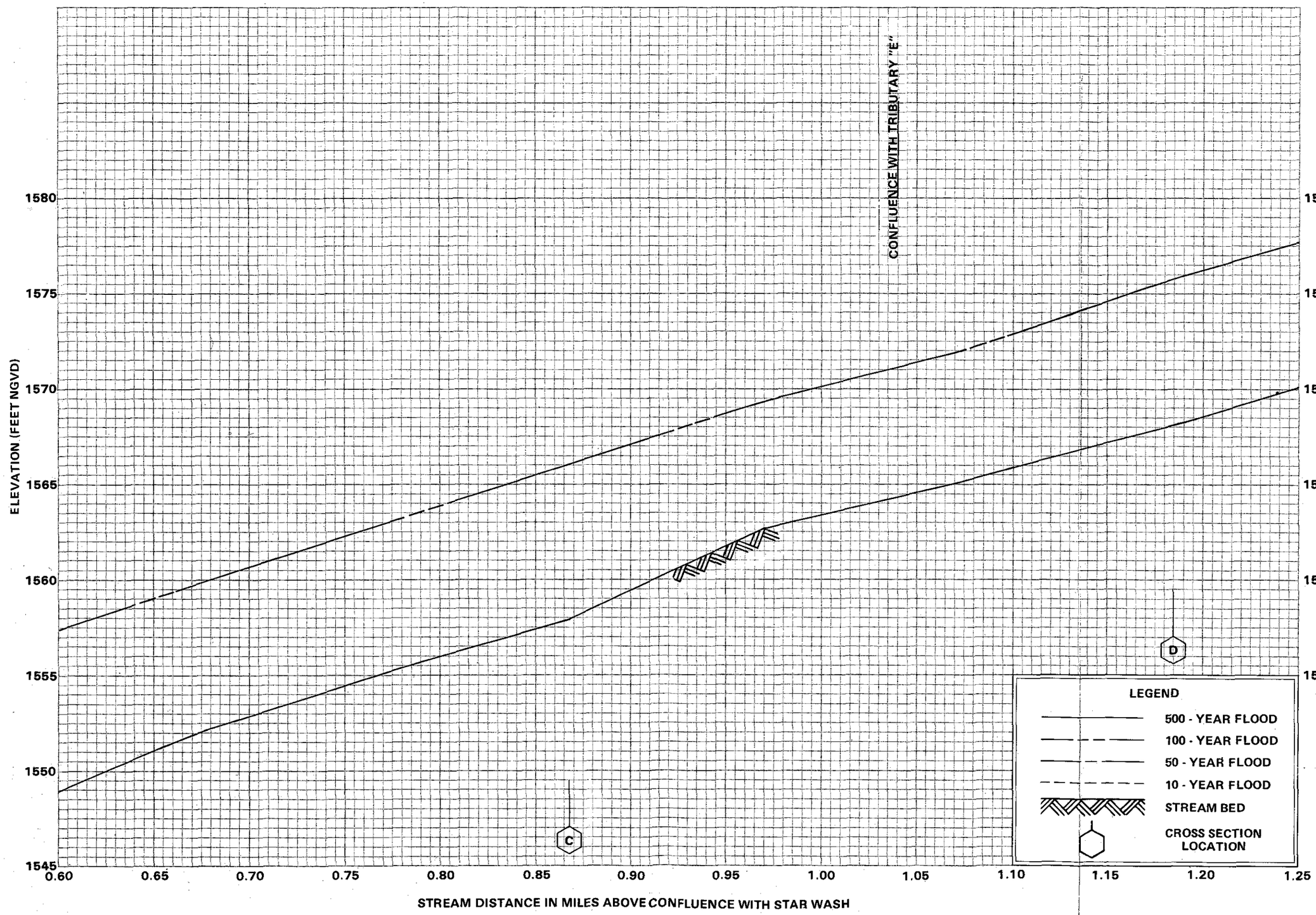
FLOOD PROFILES

STAR WASH – TRIBUTARY "D"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

787P



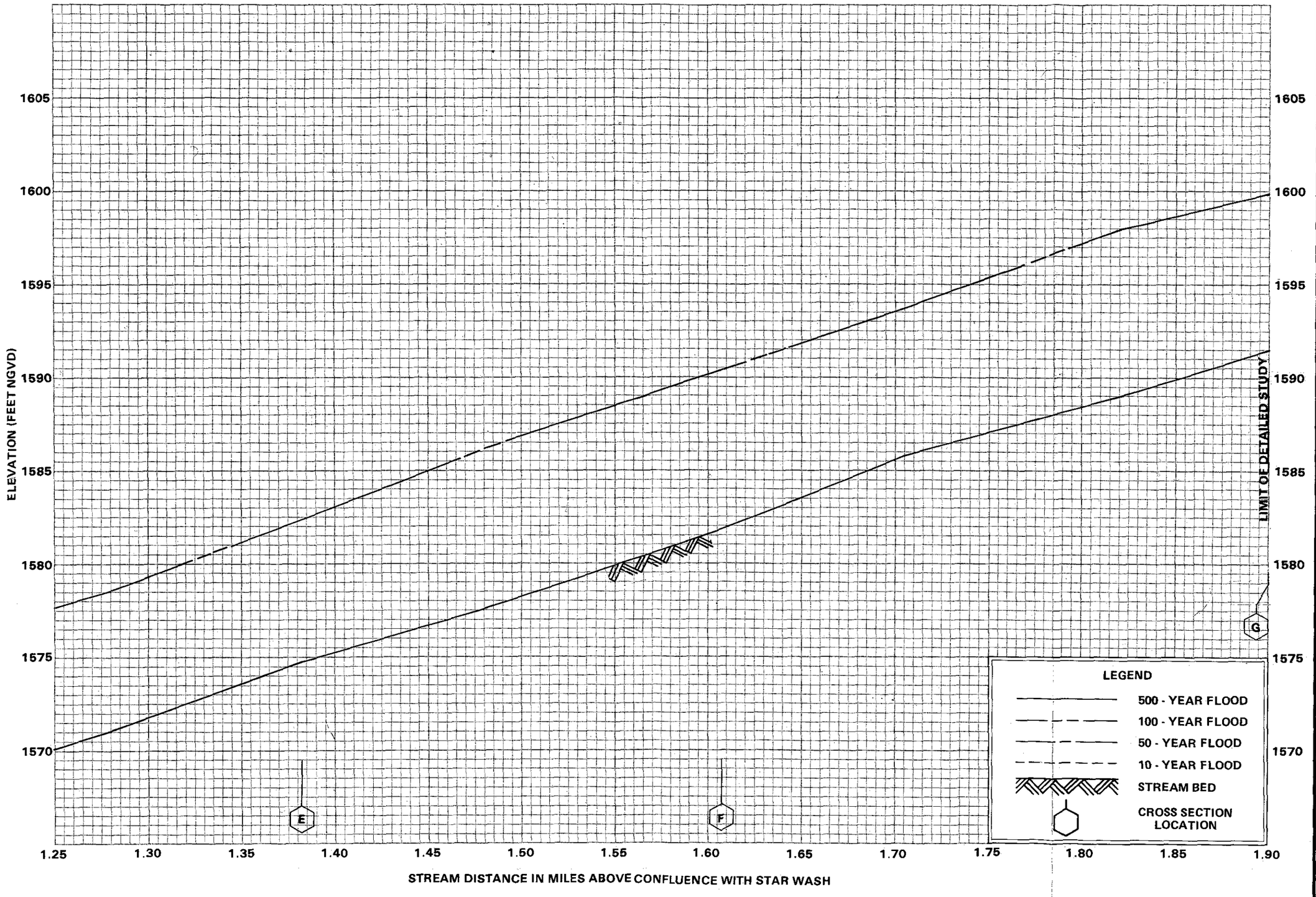
FLOOD PROFILES

STAR WASH – TRIBUTARY "D"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

788P



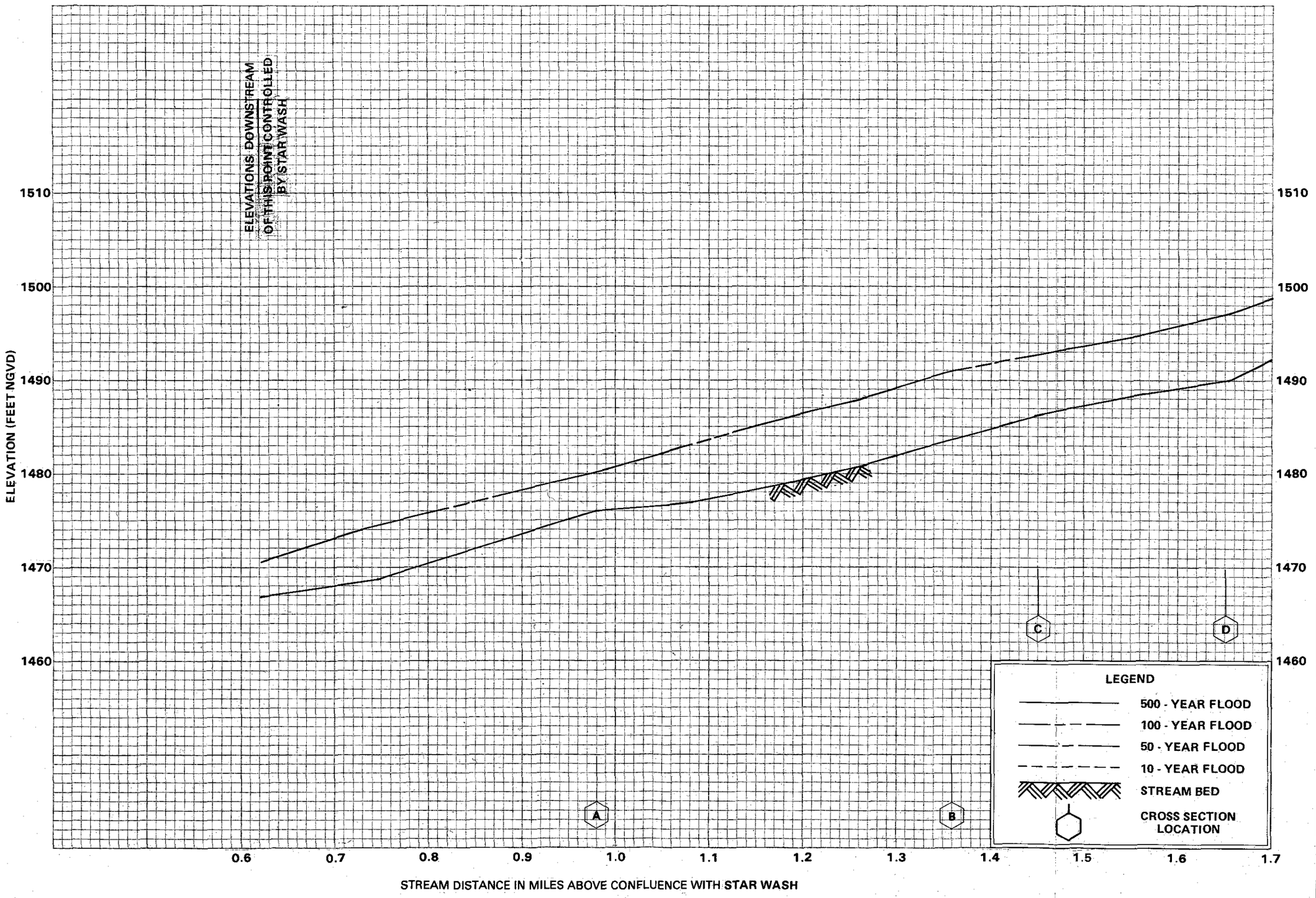
FLOOD PROFILES

STAR WASH – TRIBUTARY "D"

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

ELEVATIONS DOWNSTREAM OF THIS POINT CONTROLLED BY STAR WASH



STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH STAR WASH

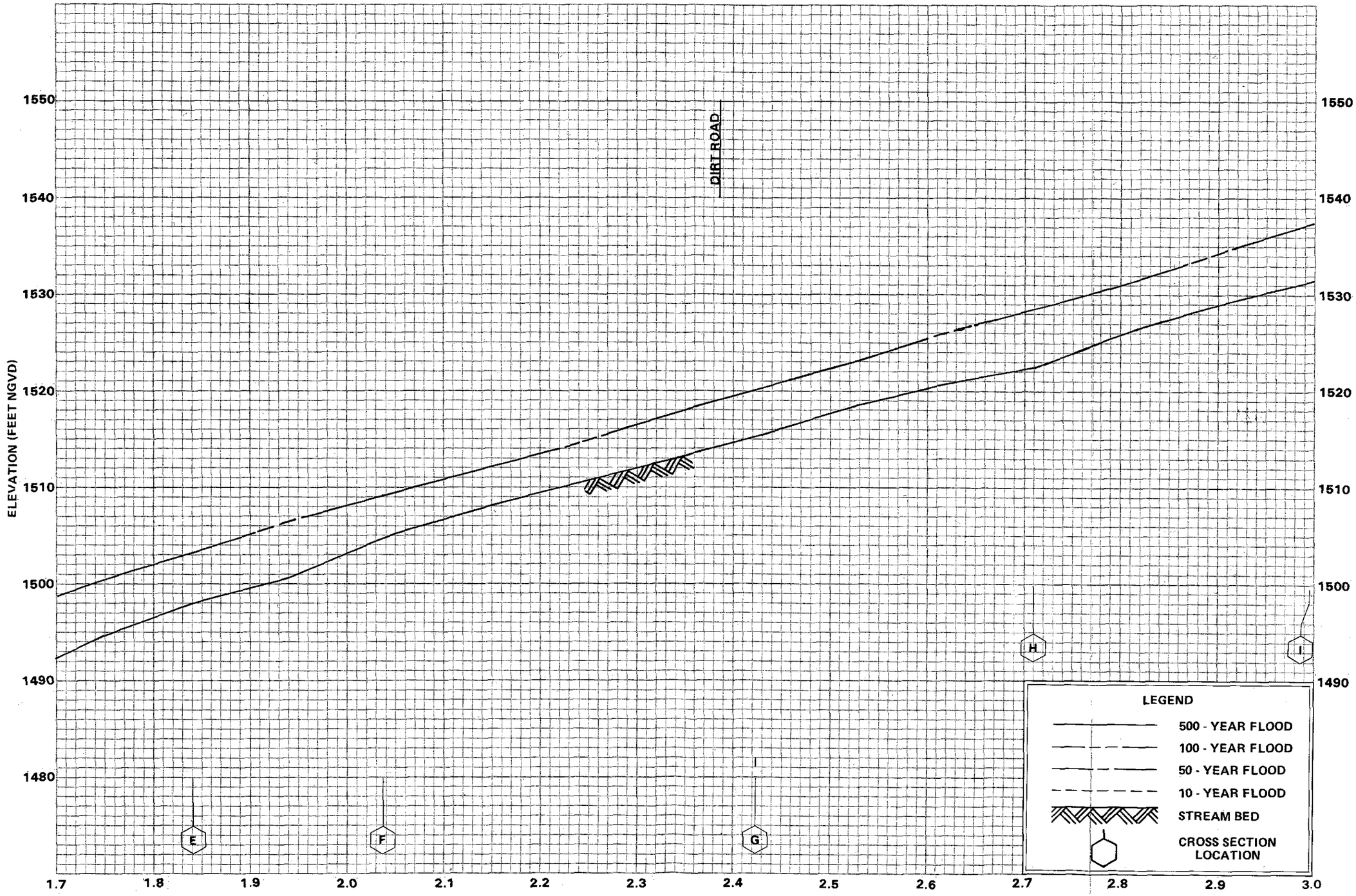
FLOOD PROFILES

TANK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

790P



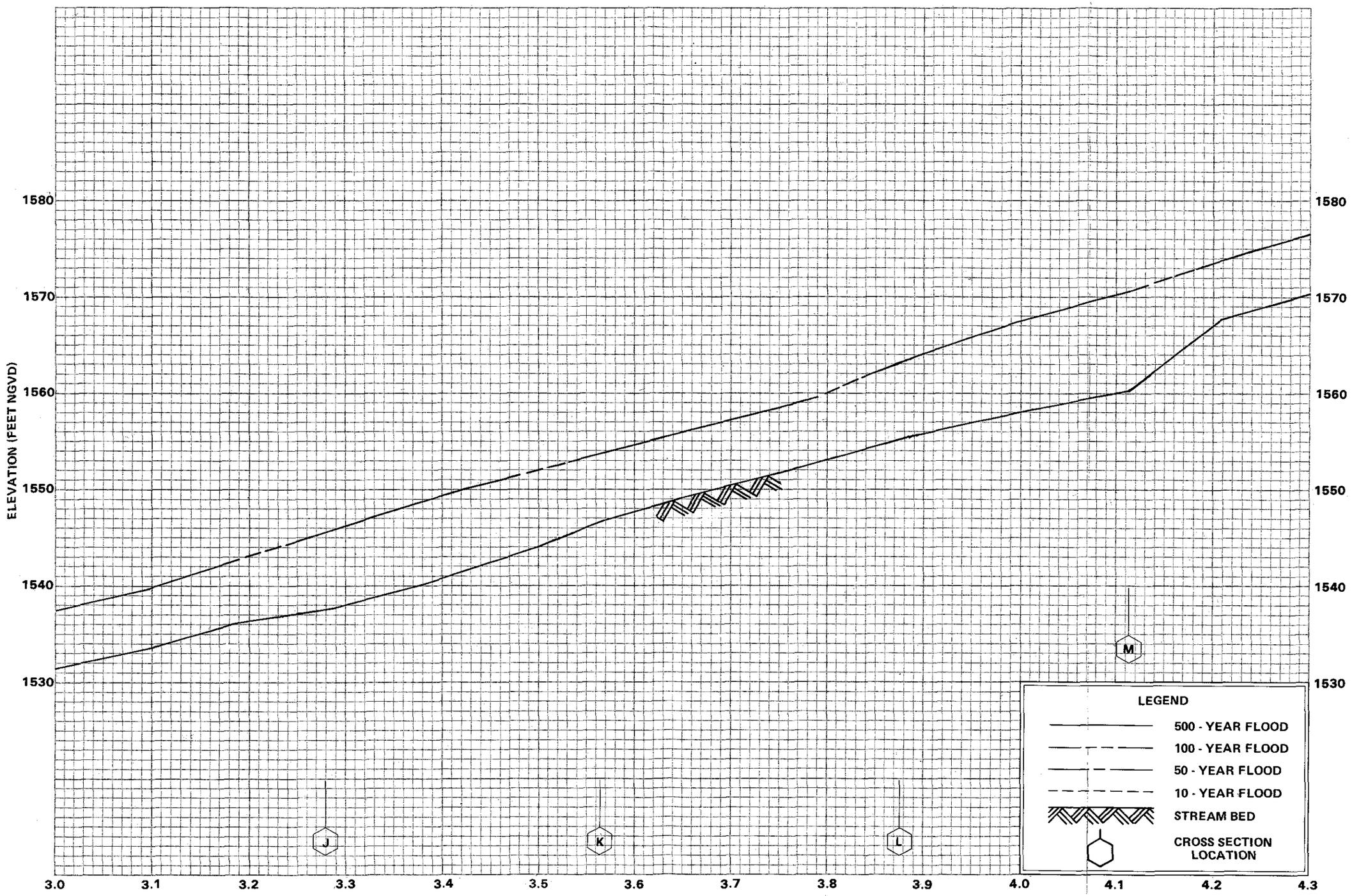
FLOOD PROFILES

TANK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

791P



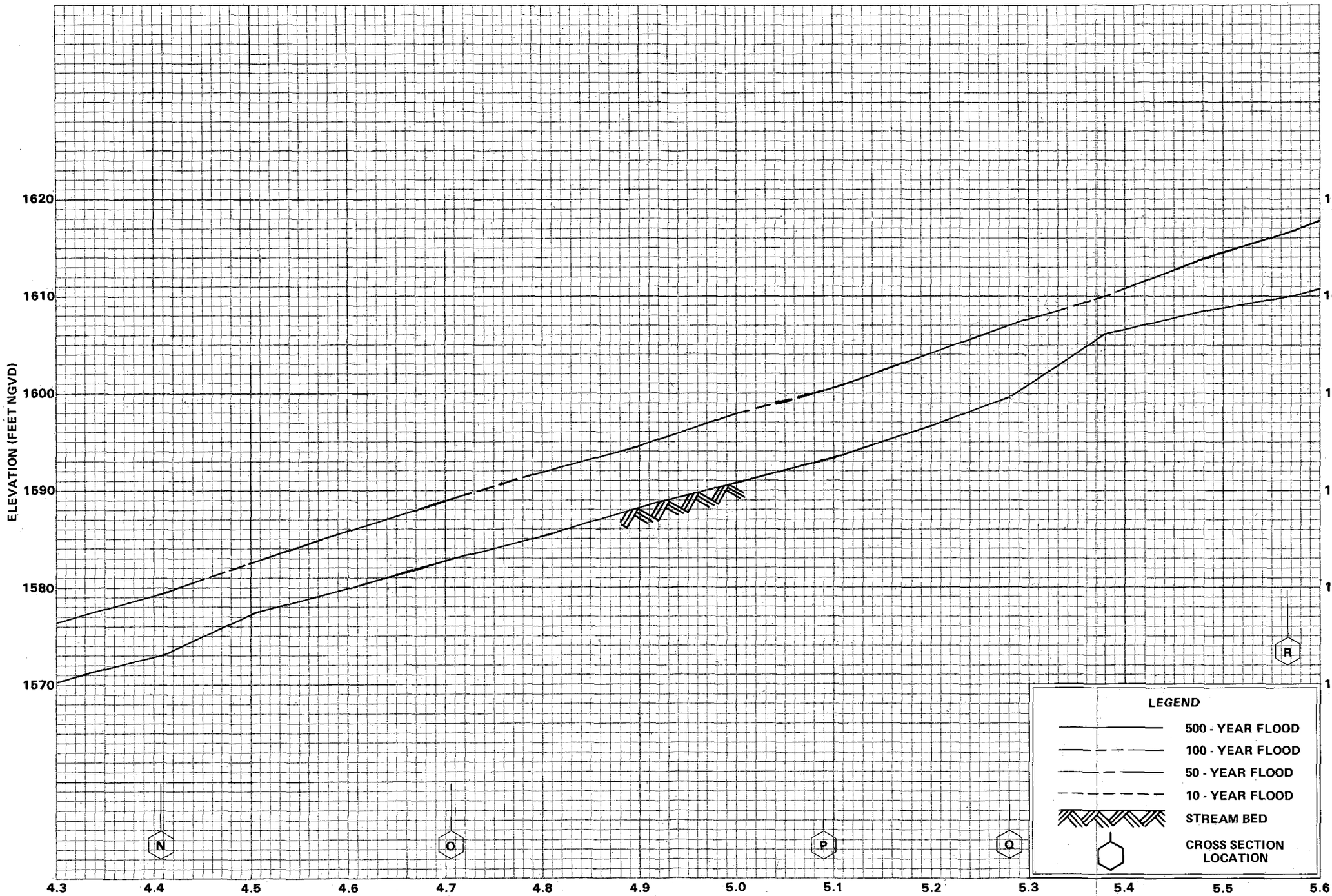
FLOOD PROFILES

TANK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

792P



STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH **STAR WASH**

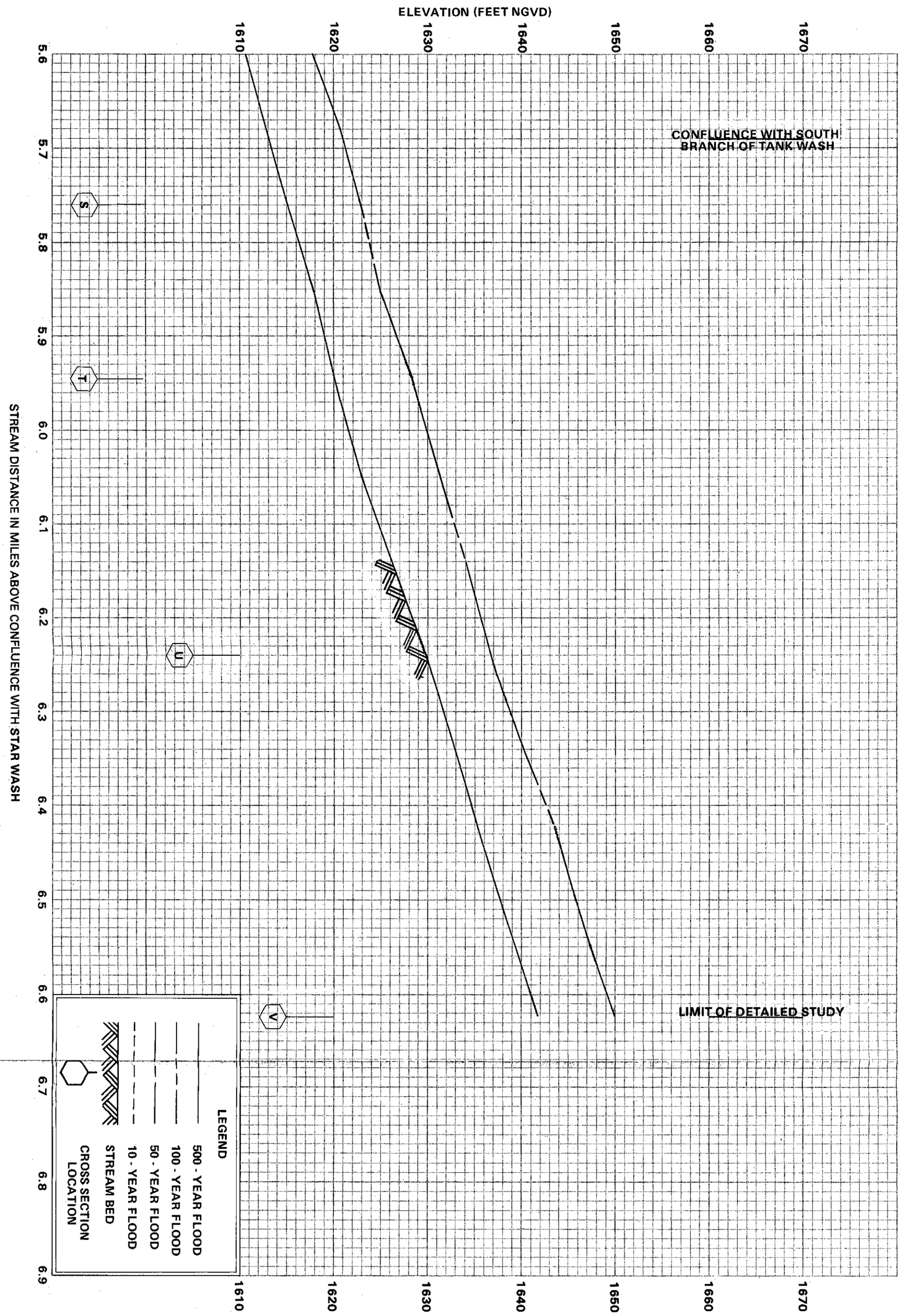
FLOOD PROFILES

TANK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

793P



FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

TANK WASH

ELEVATIONS DOWNSTREAM OF THIS POINT CONTROLLED BY TANK WASH

LIMIT OF DETAILED STUDY

ELEVATION (FEET NGVD)

1650
1640
1630
1620

A B C D

0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

STREAM DISTANCE IN MILES ABOVE CONFLUENCE WITH TANK WASH

LEGEND

- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

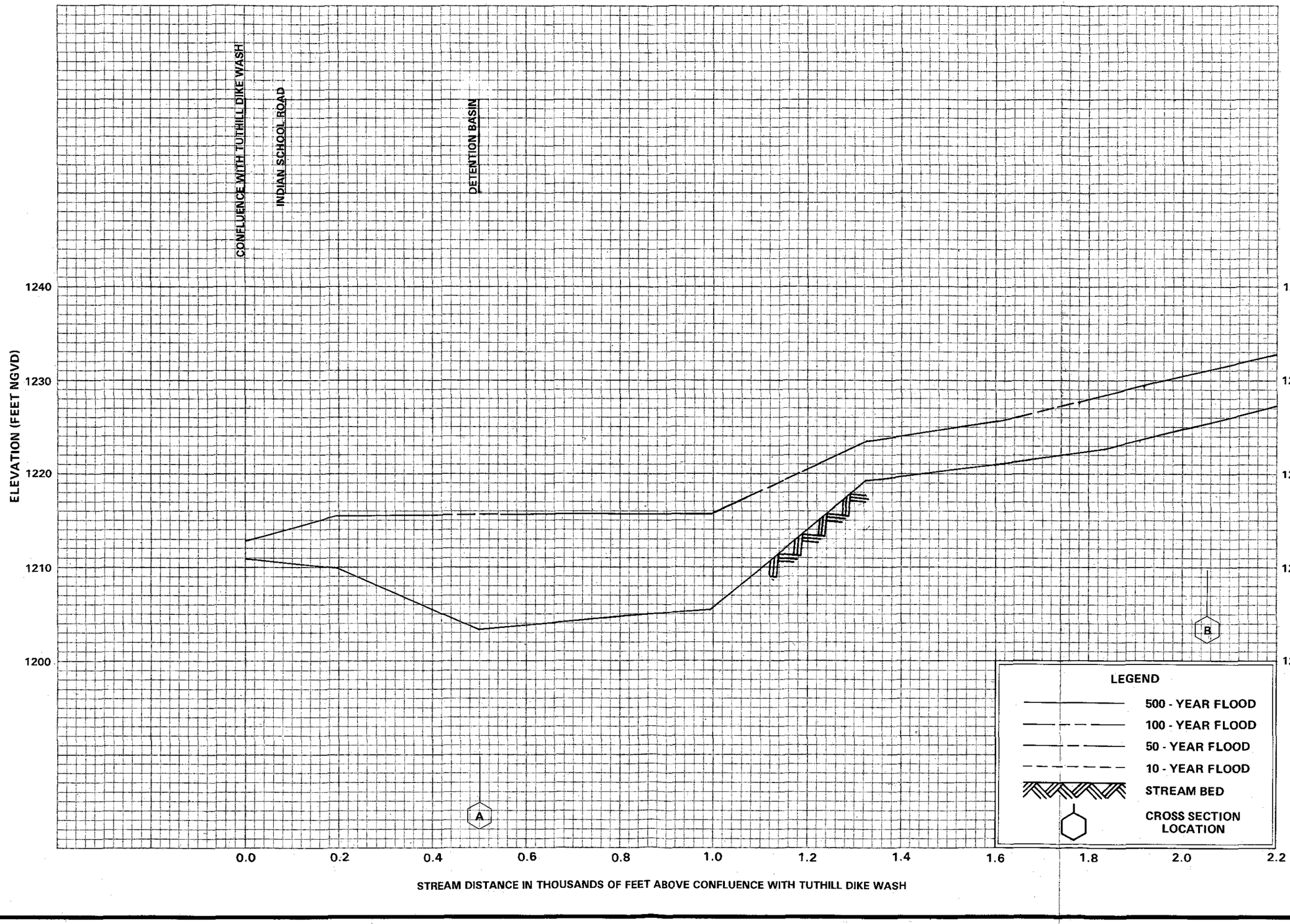
FLOOD PROFILES

SOUTH BRANCH OF TANK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

795P



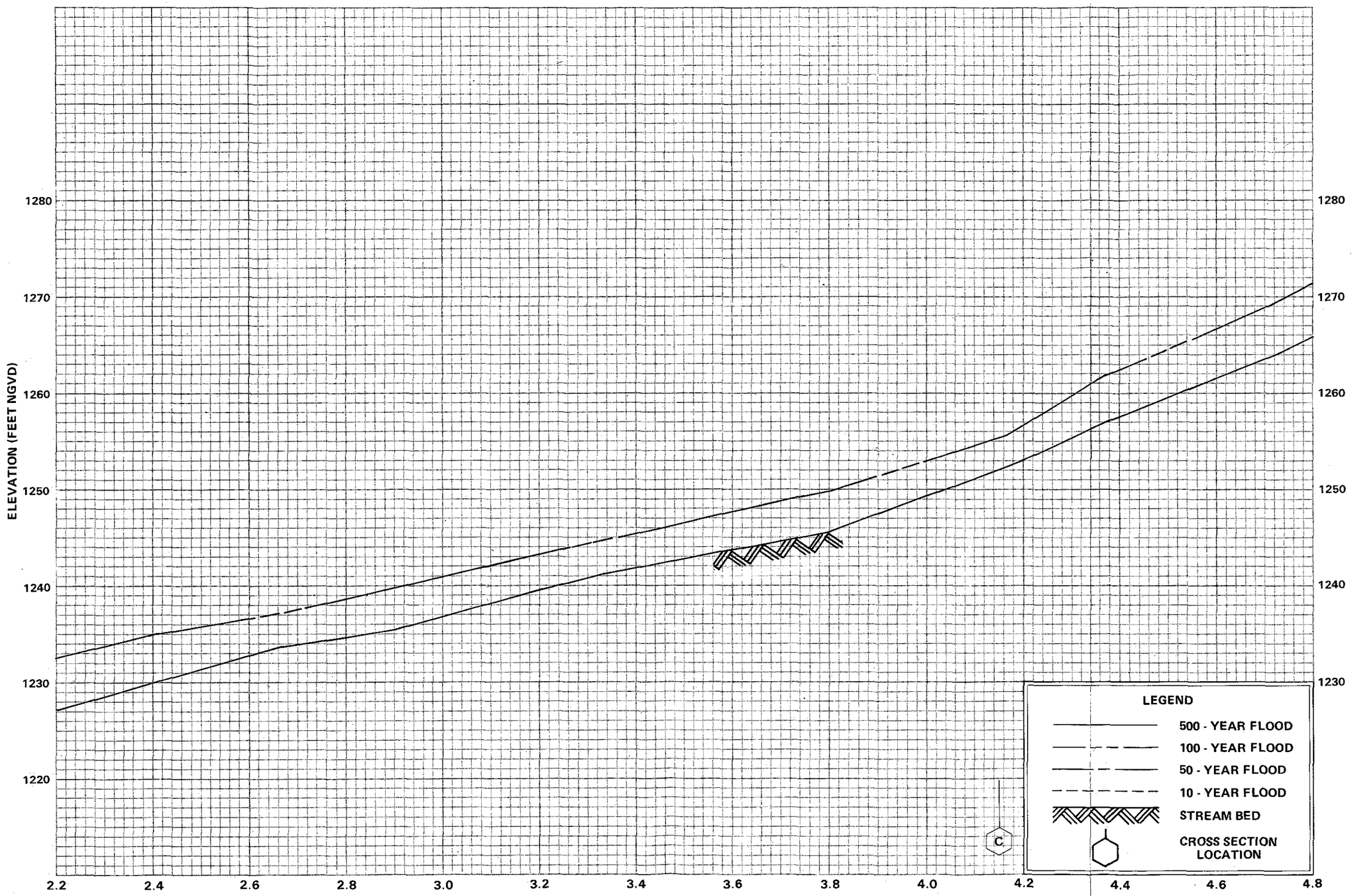
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

796P



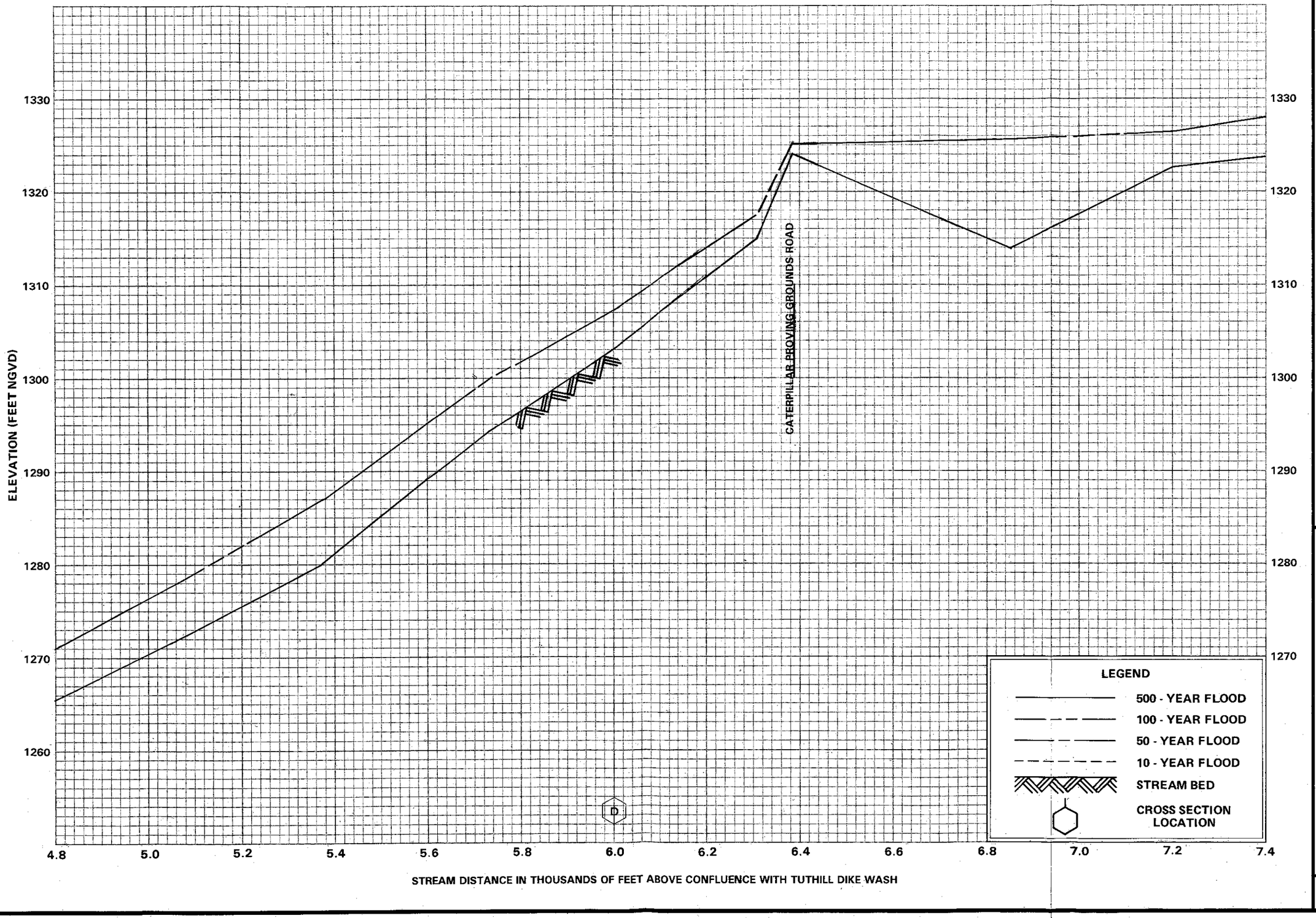
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

797P



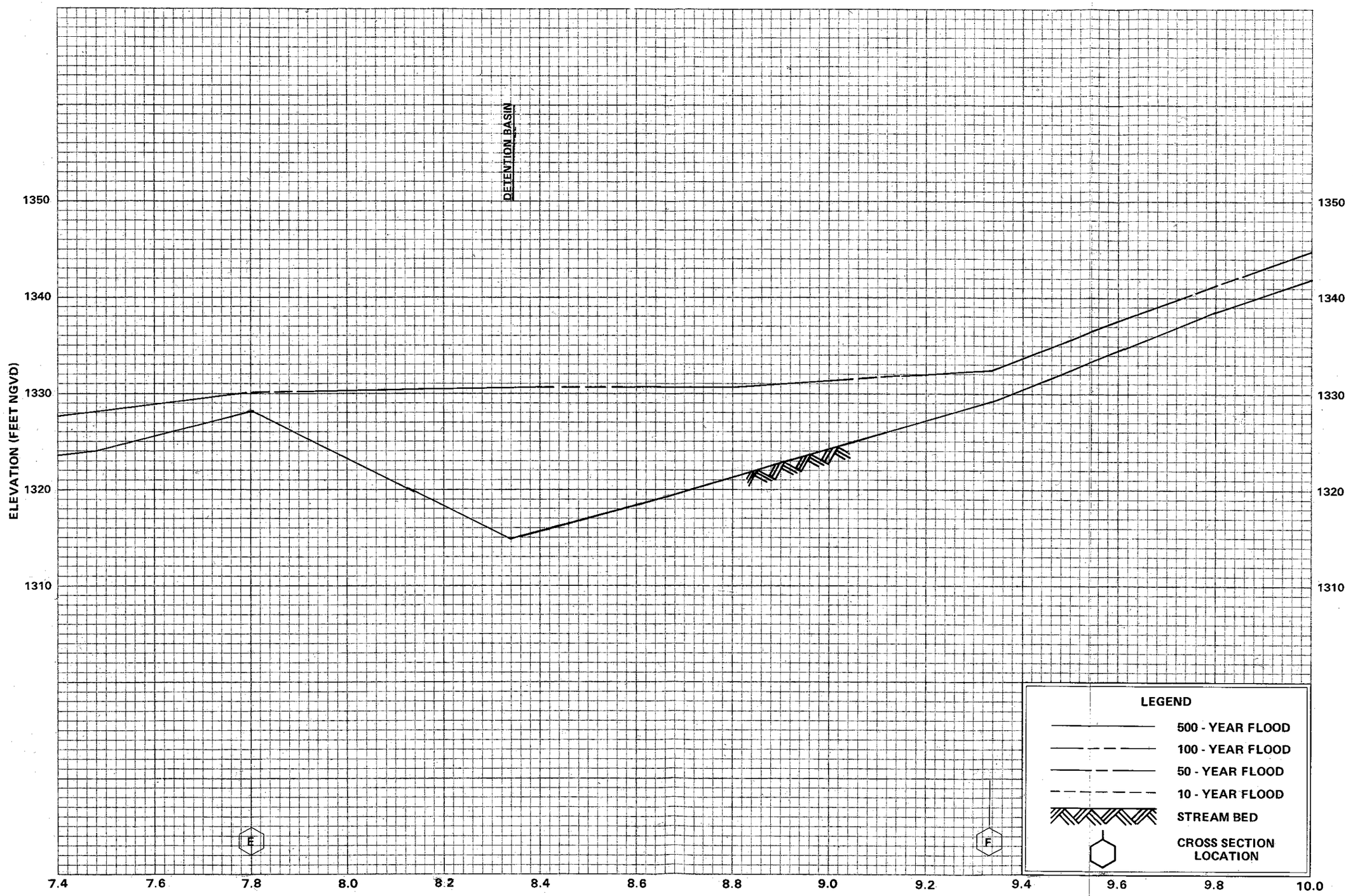
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

798P



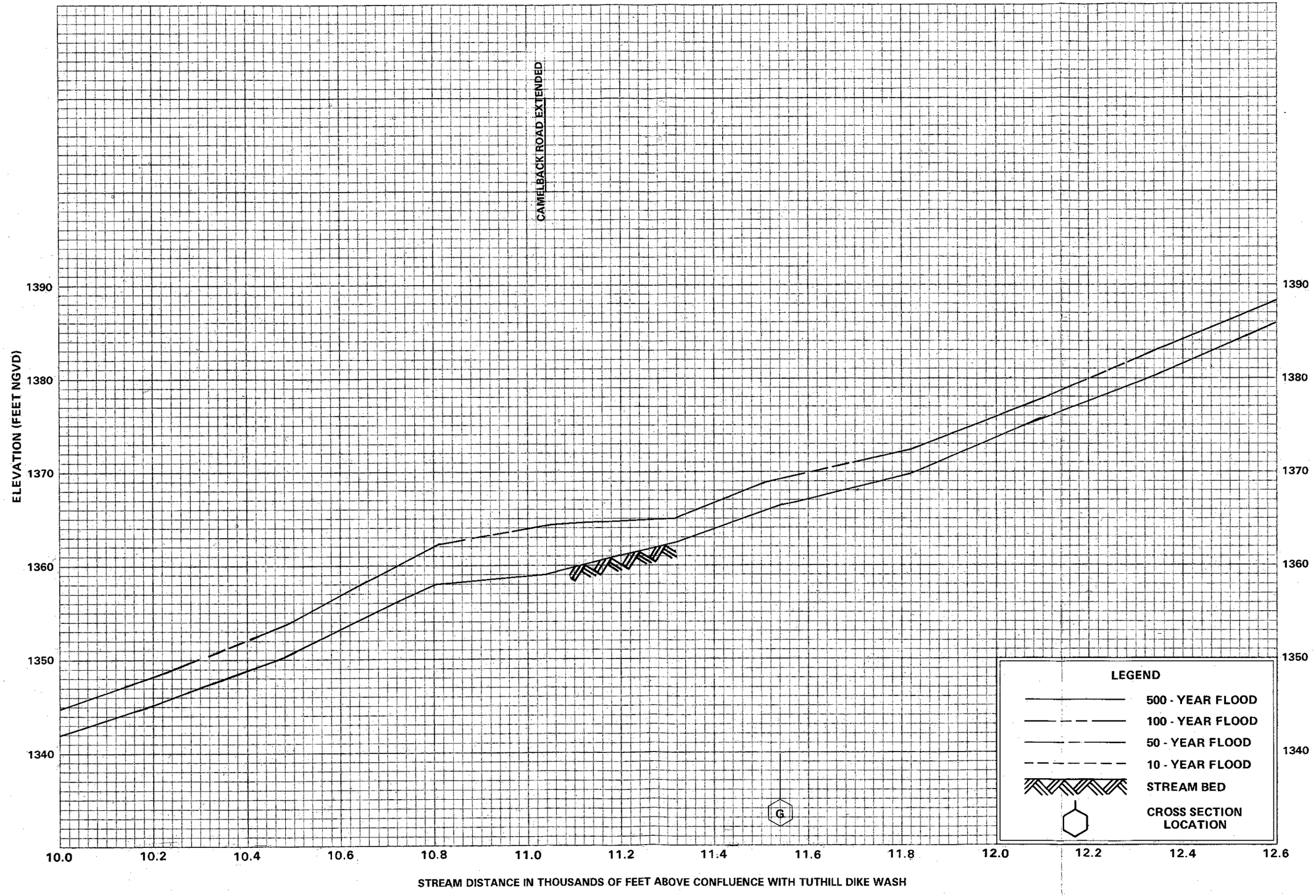
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

799P



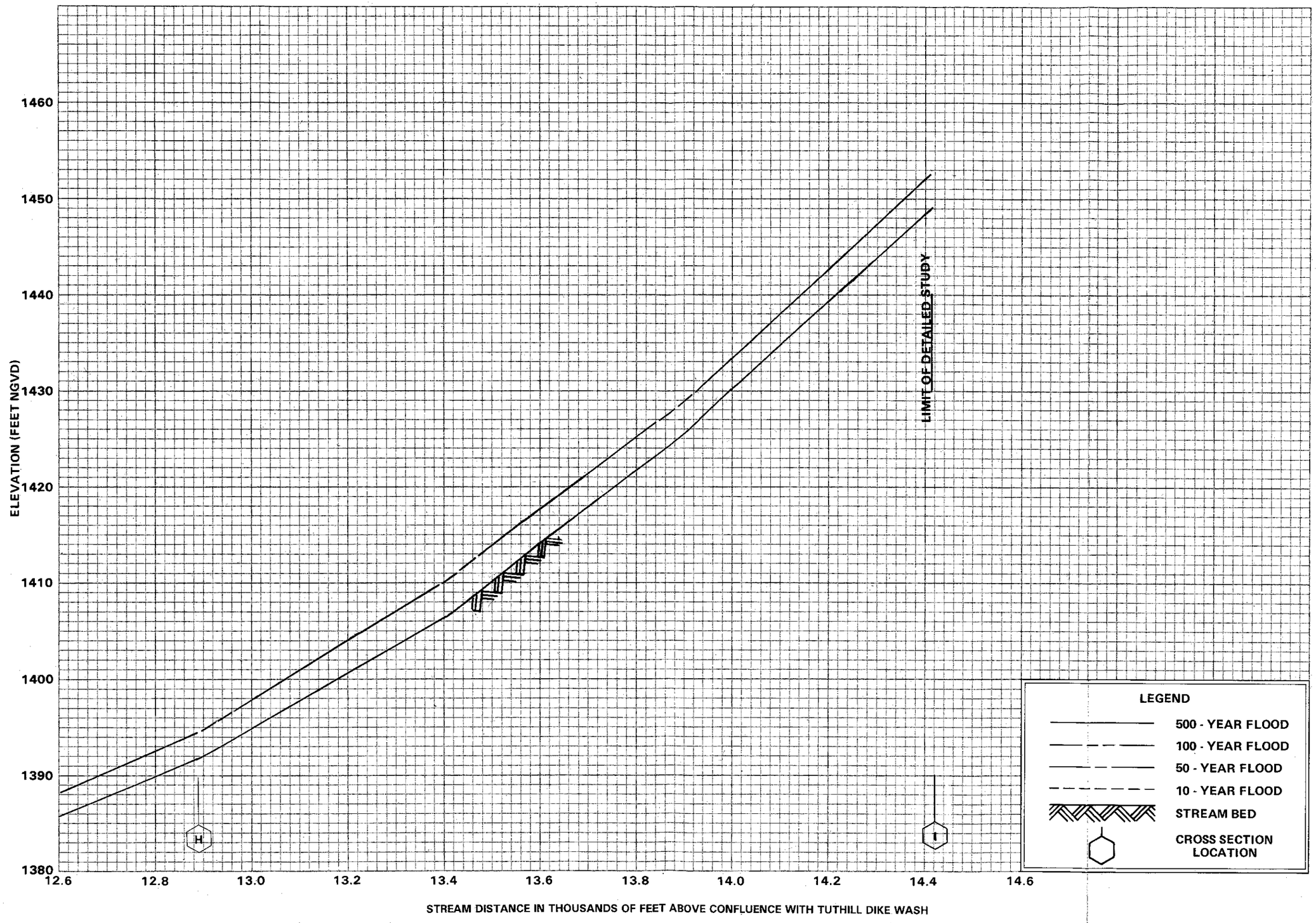
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

800P



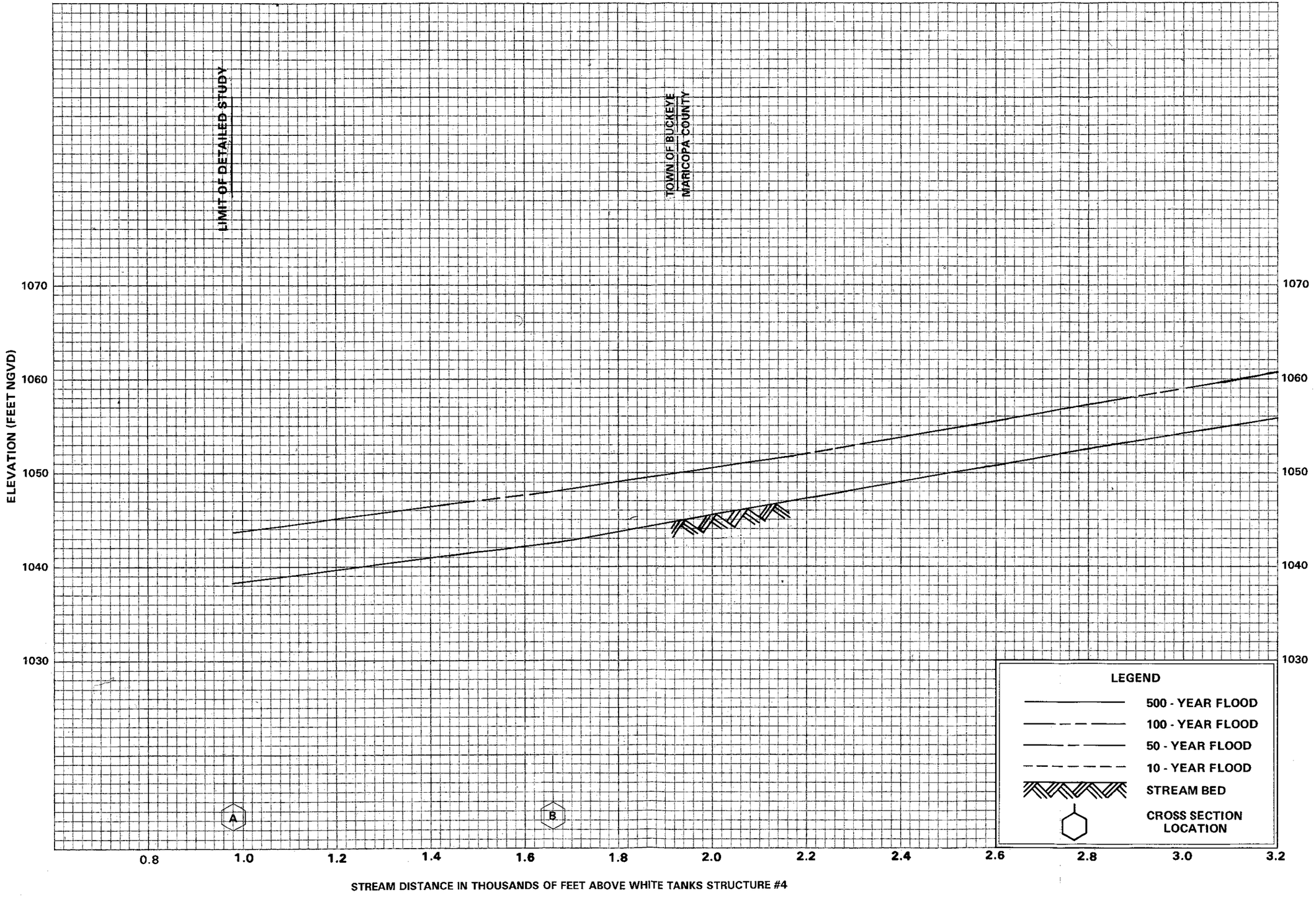
FLOOD PROFILES

TRACTOR WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

801P



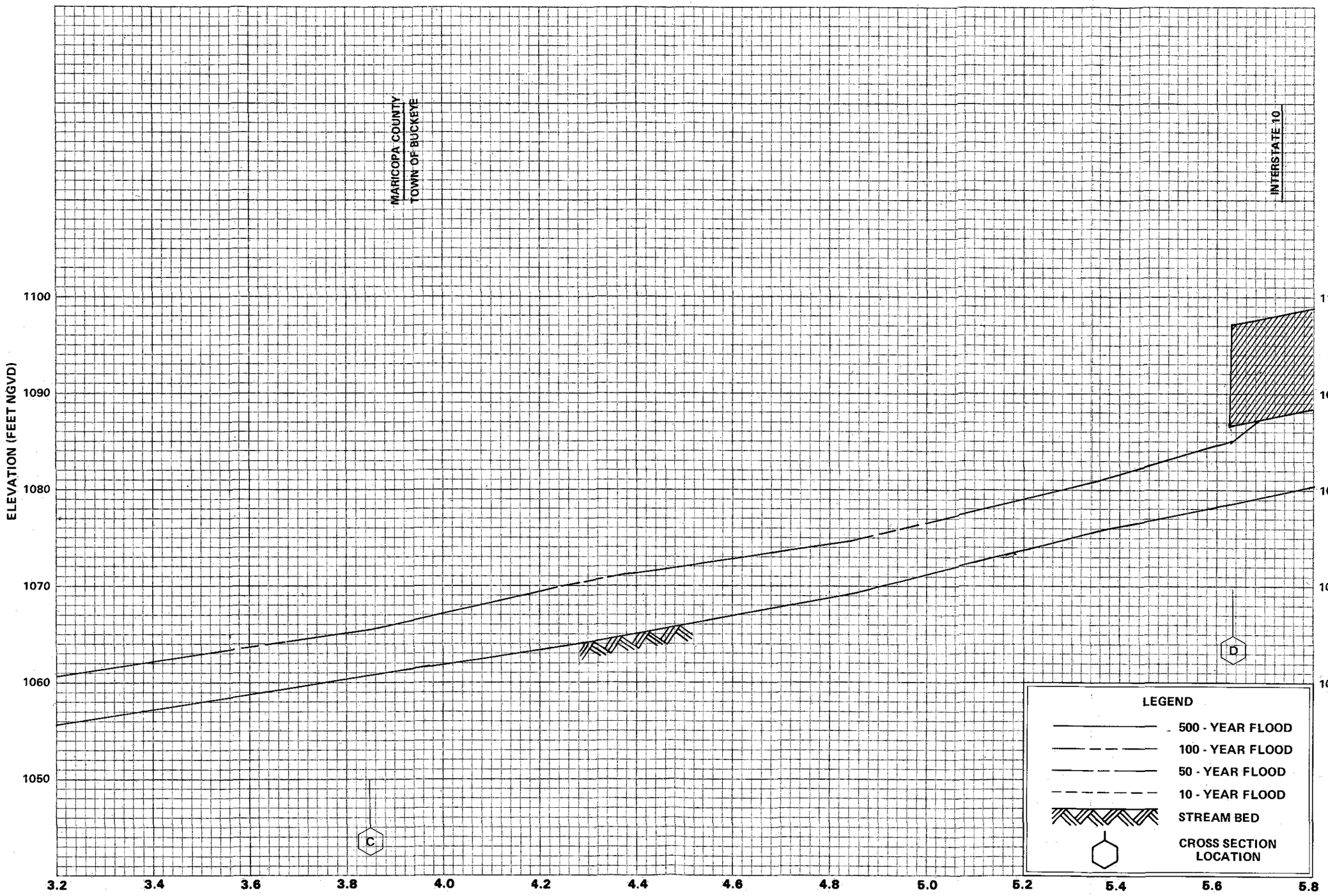
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

802P



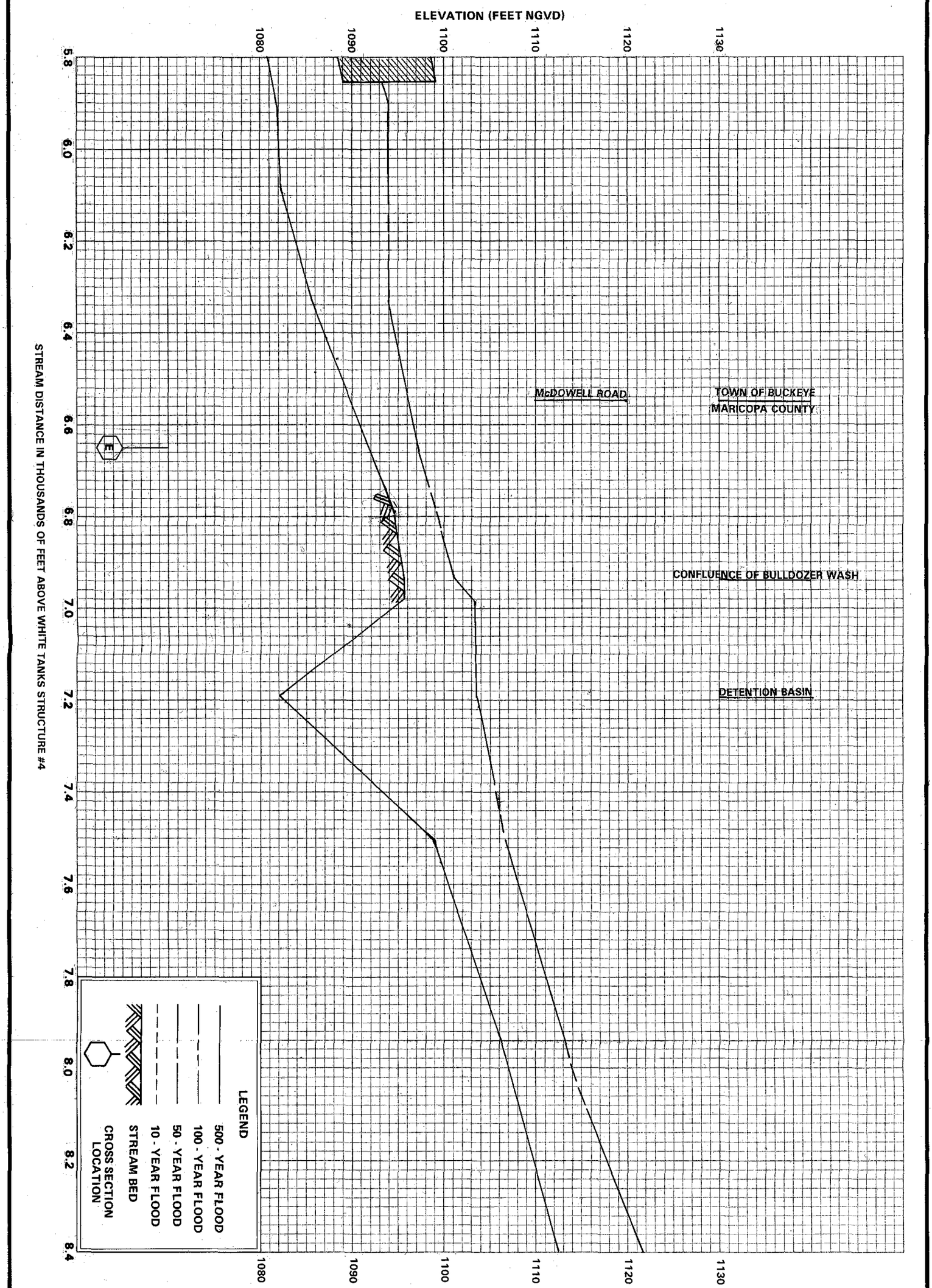
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

803P



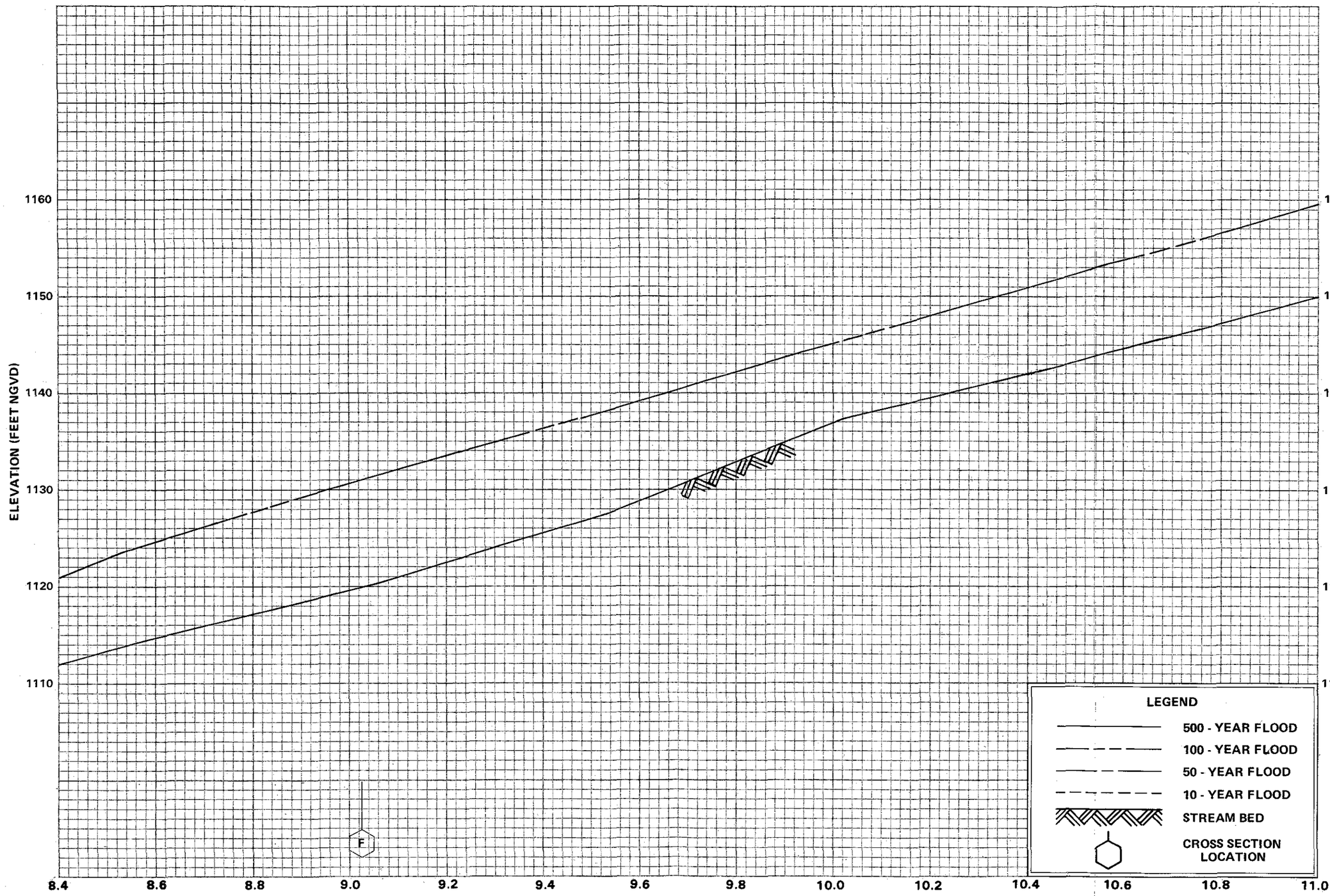
804P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

TUTHILL DIKE WASH



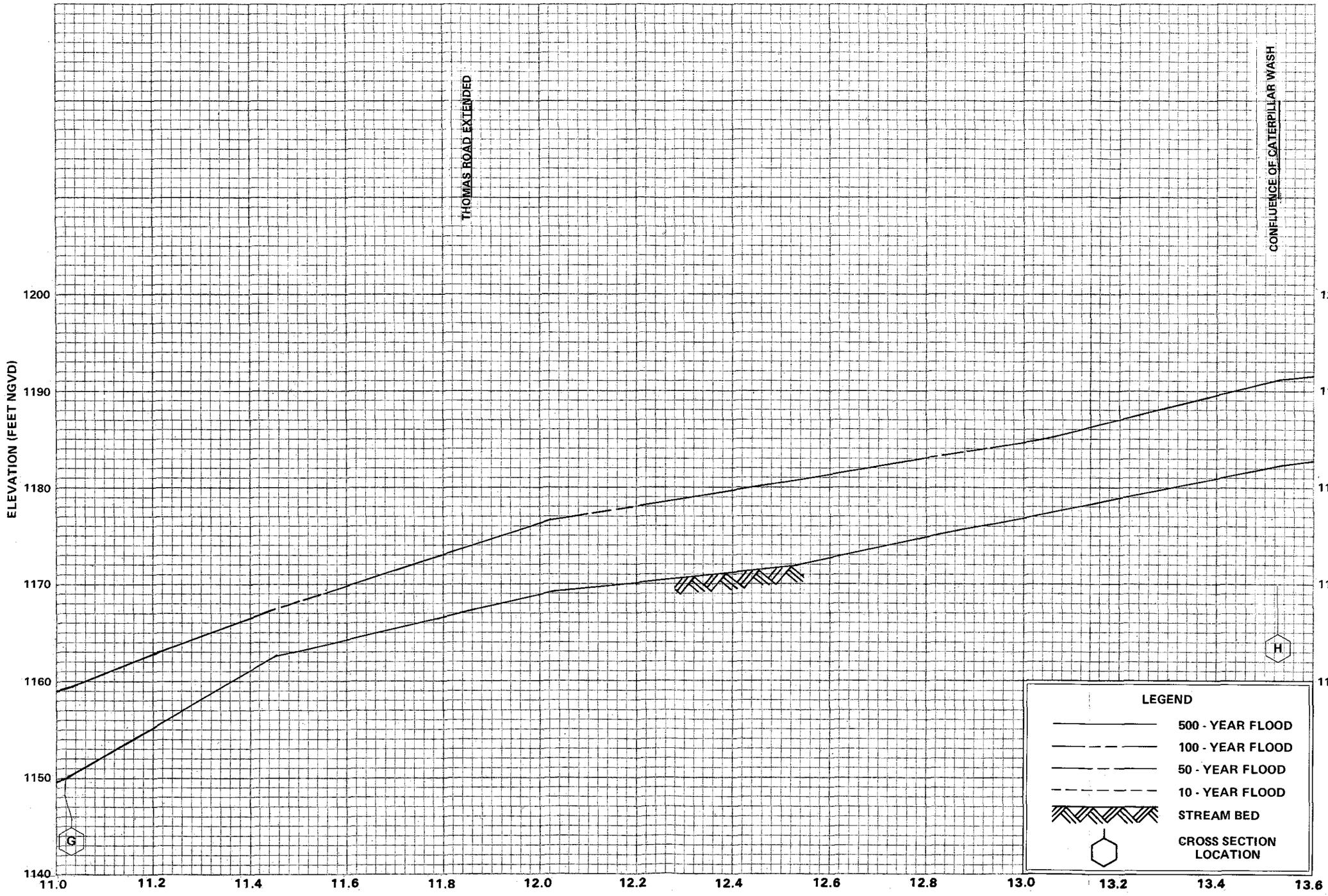
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

805P



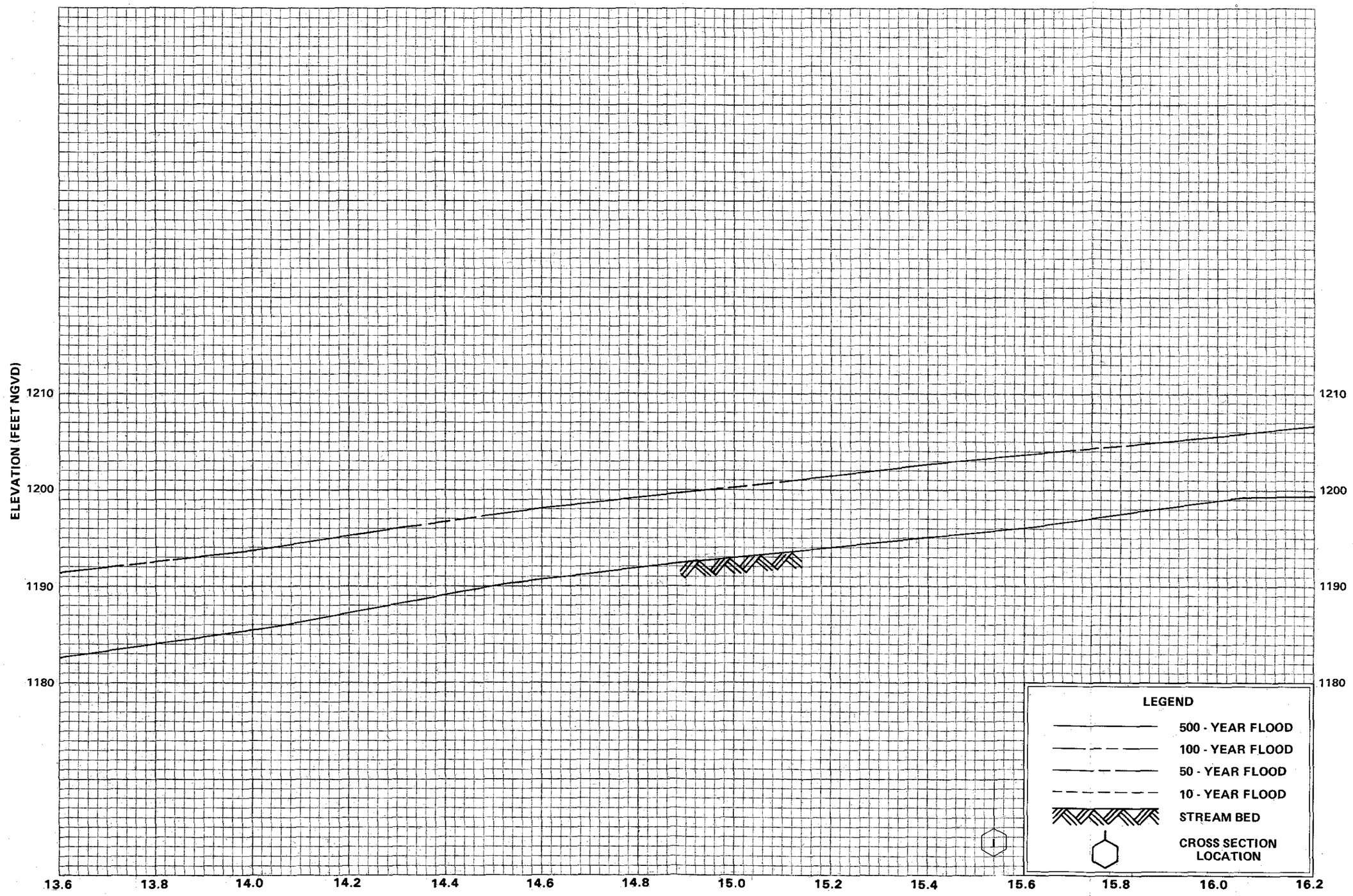
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

806P



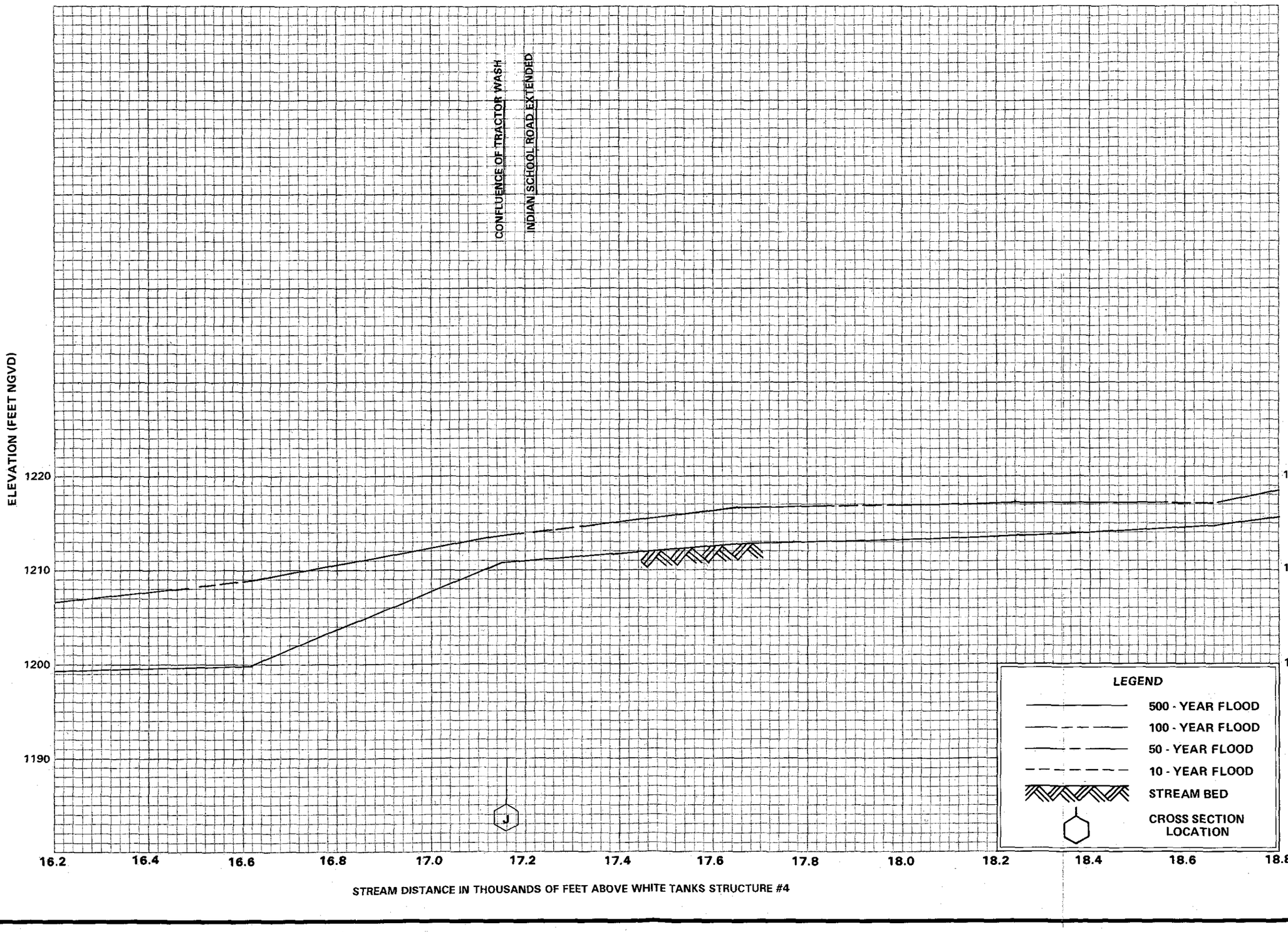
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

807P



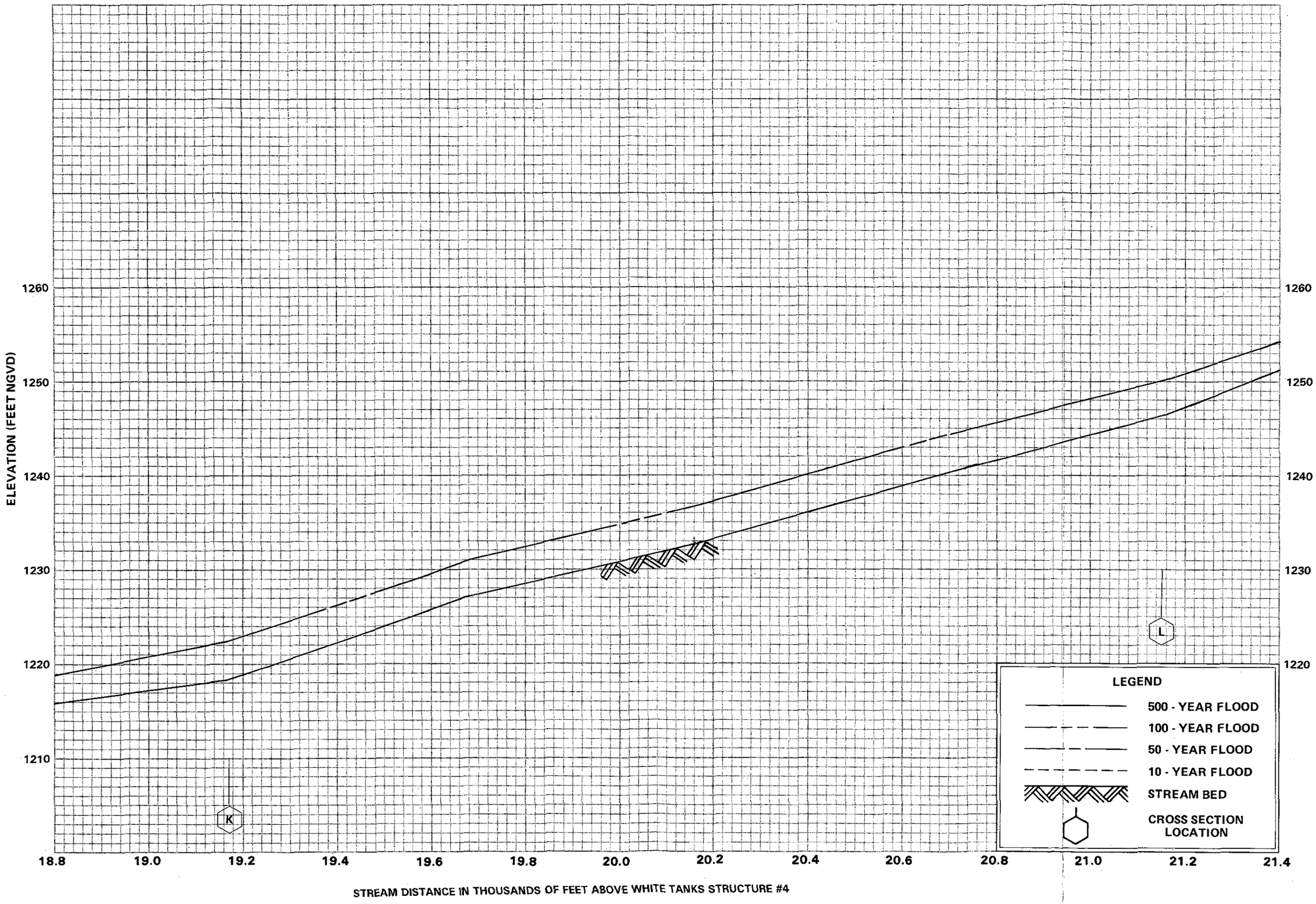
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

808P



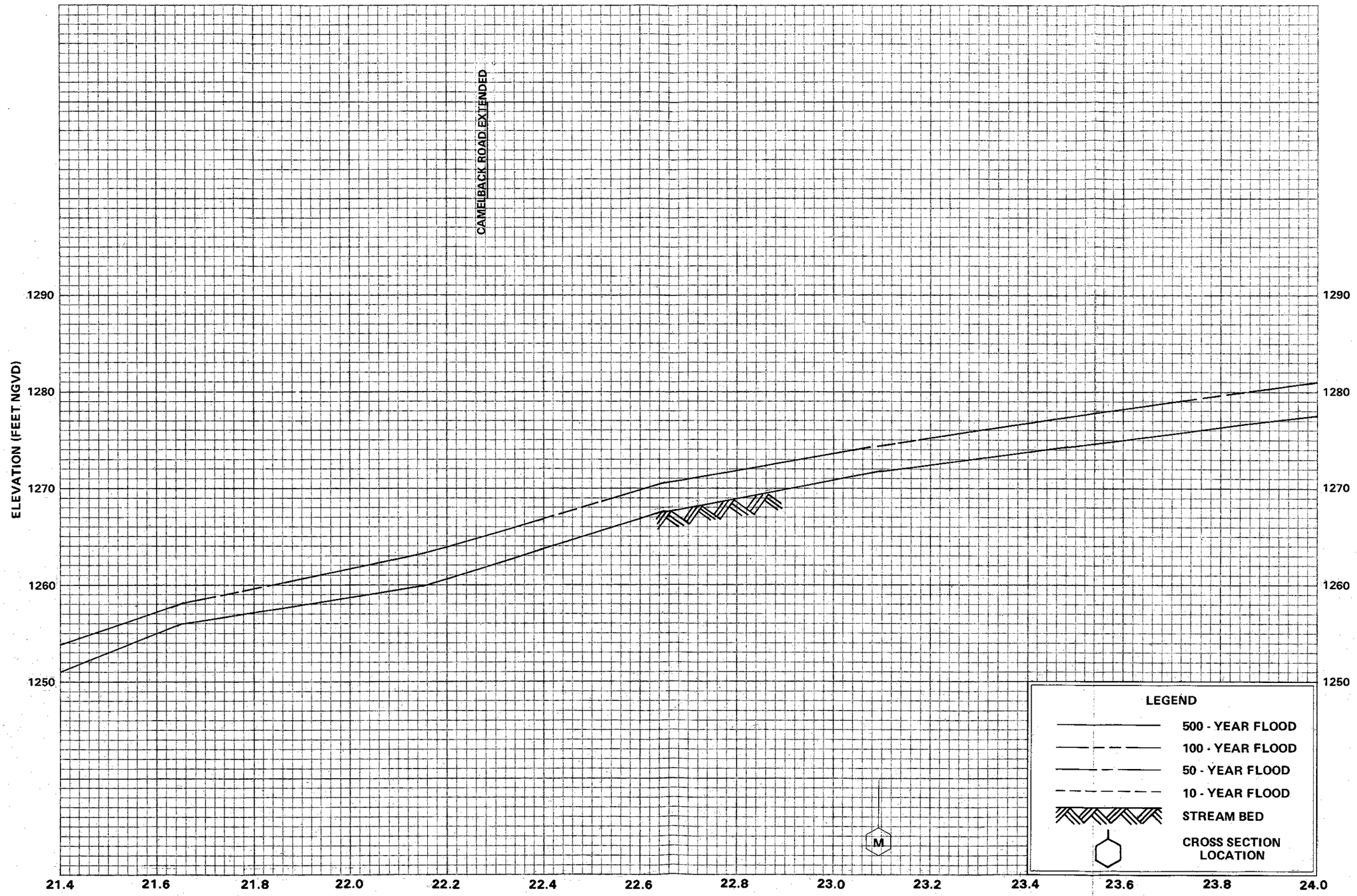
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

809P



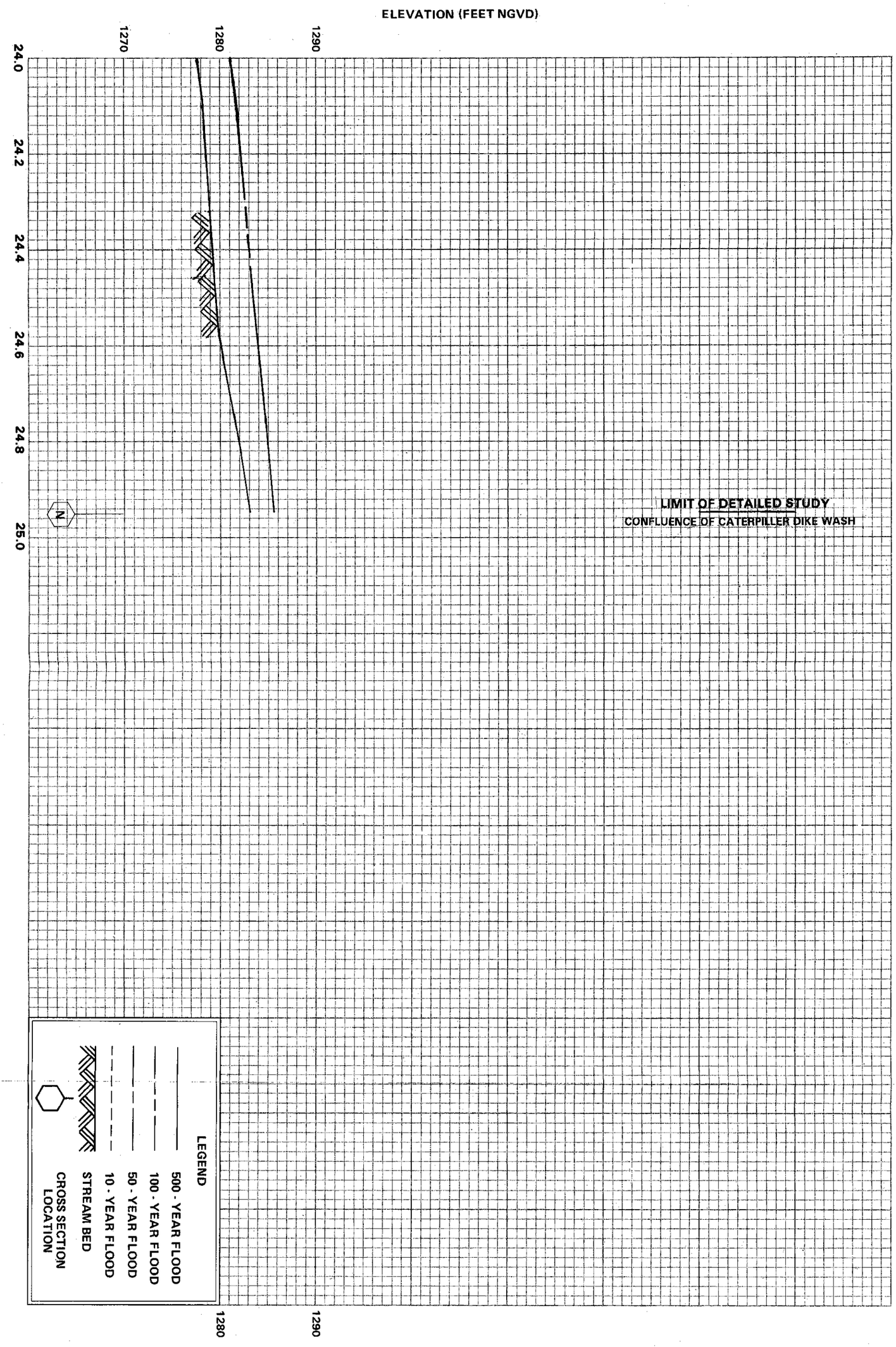
FLOOD PROFILES

TUTHILL DIKE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

810P



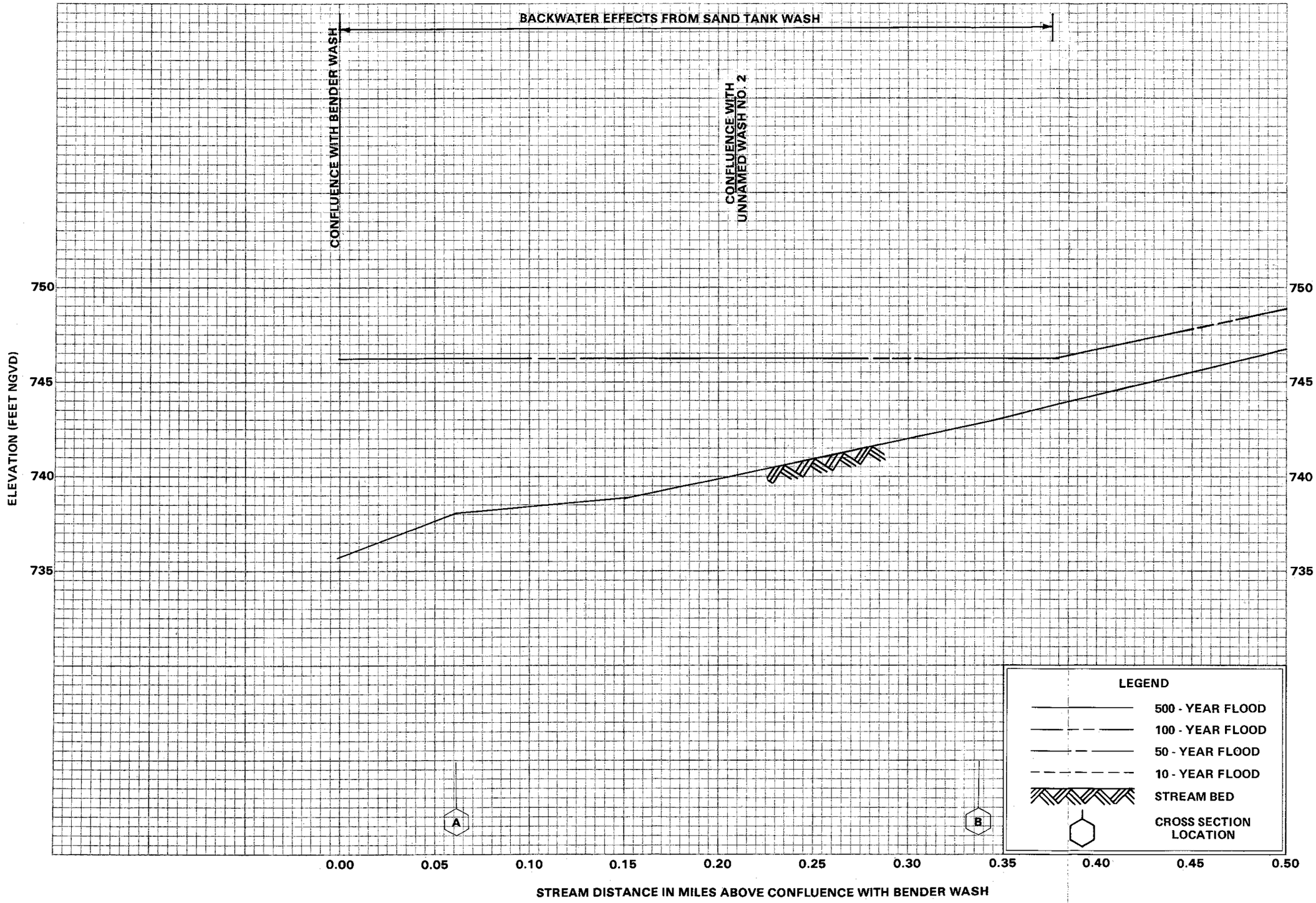
811P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

TUTHILL DIKE WASH



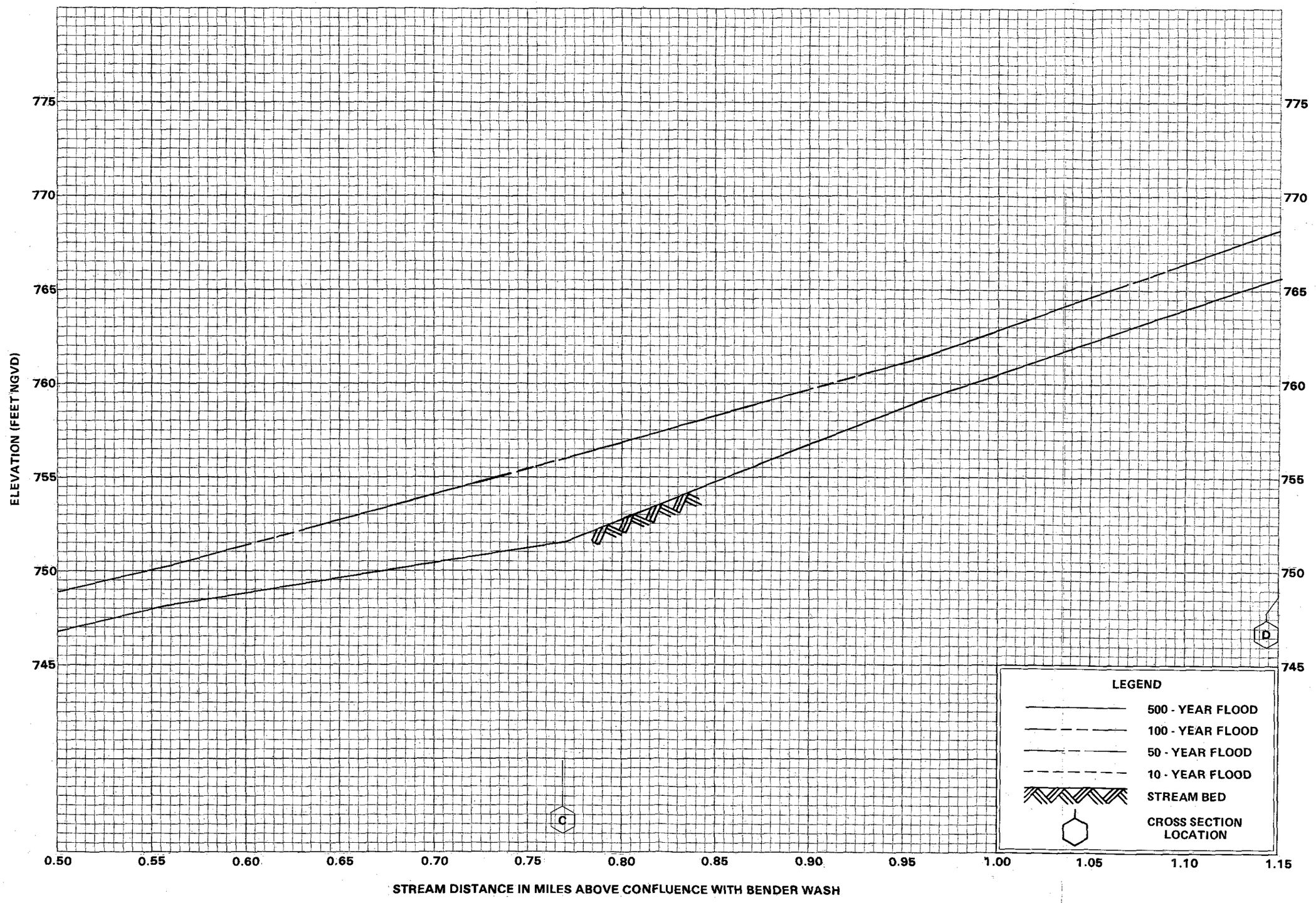
FLOOD PROFILES

UNNAMED WASH #1

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

812P



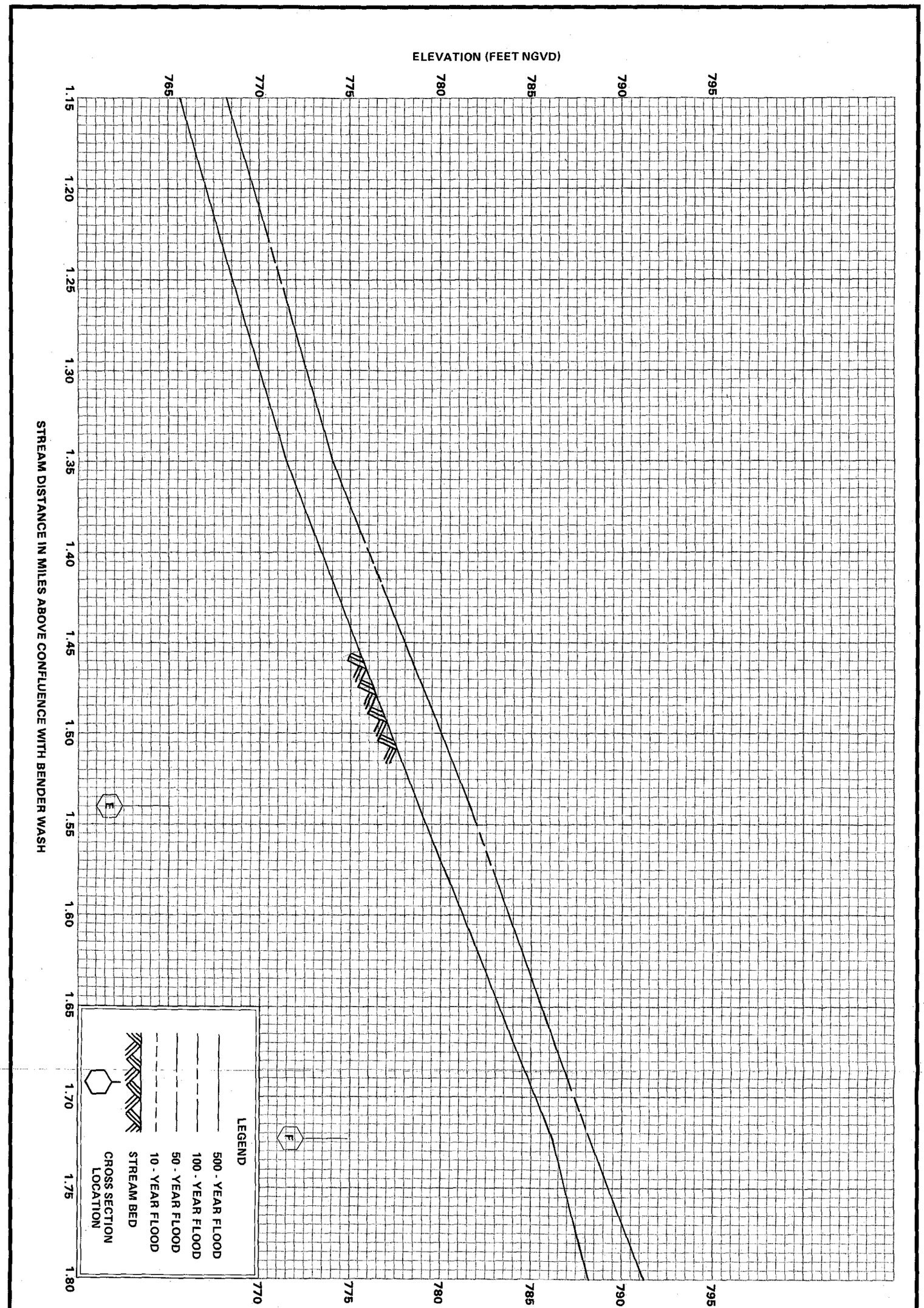
FLOOD PROFILES

UNNAMED WASH #1

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

813P

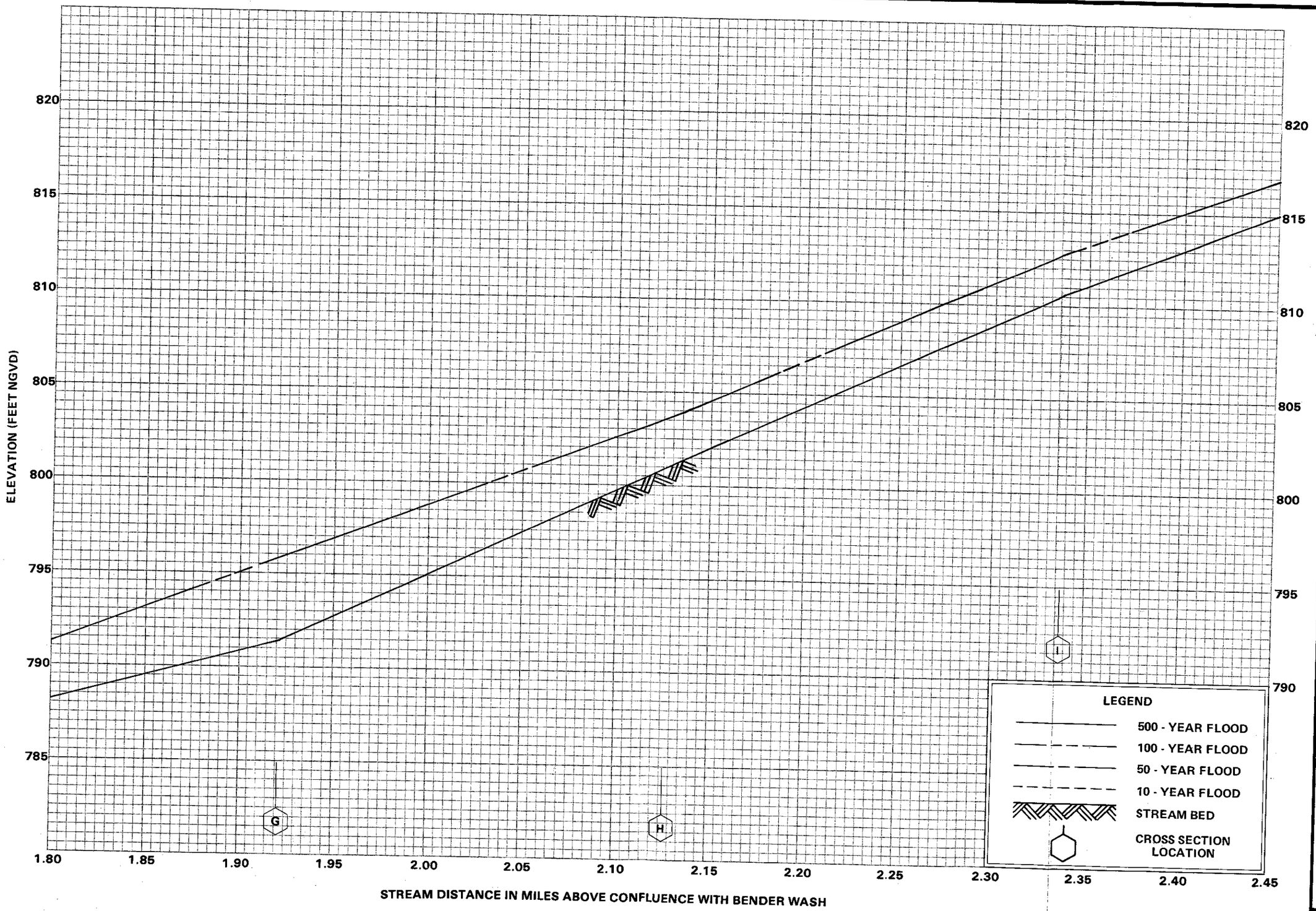


FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

UNNAMED WASH #1

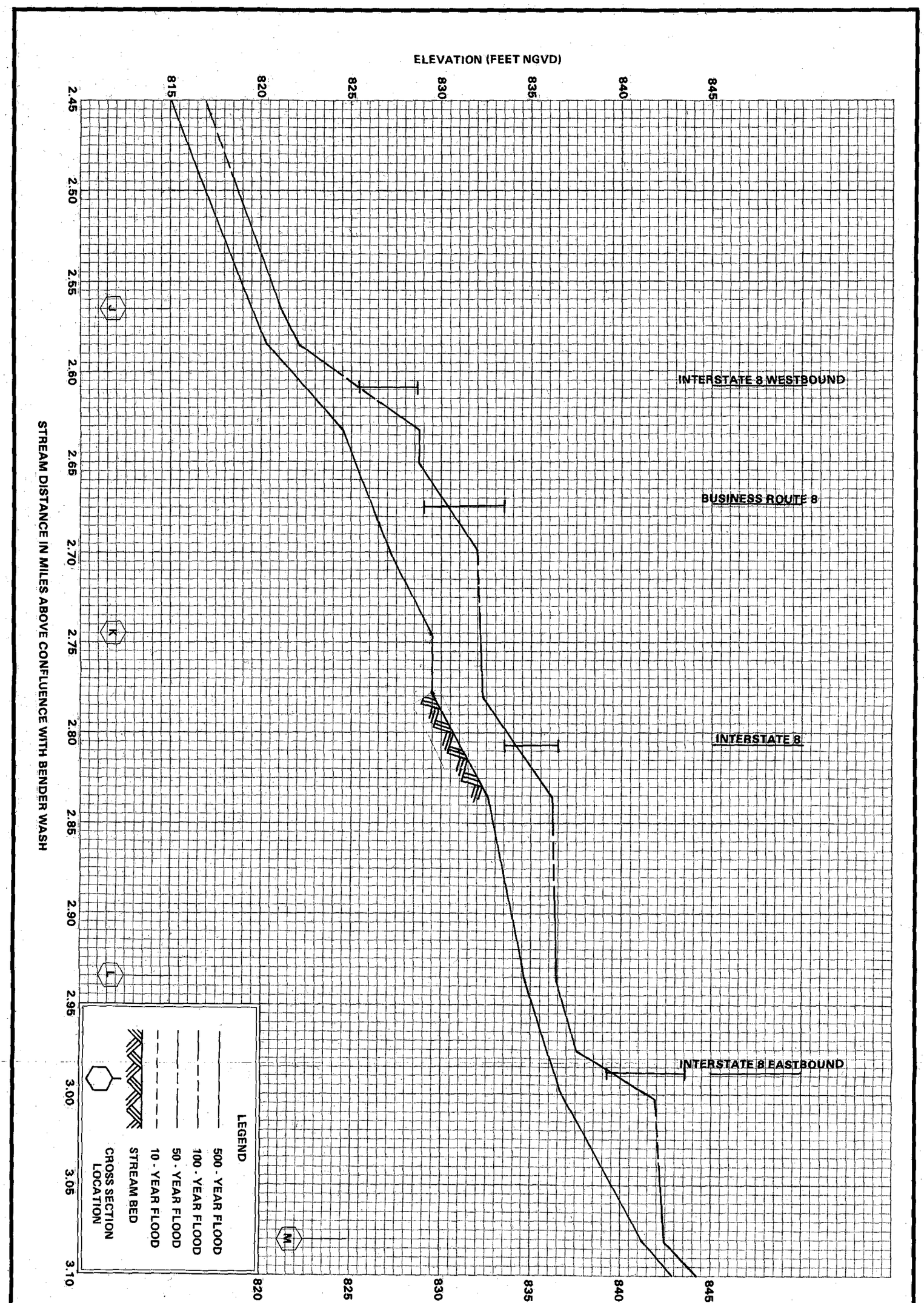


FLOOD PROFILES

UNNAMED WASH #1

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

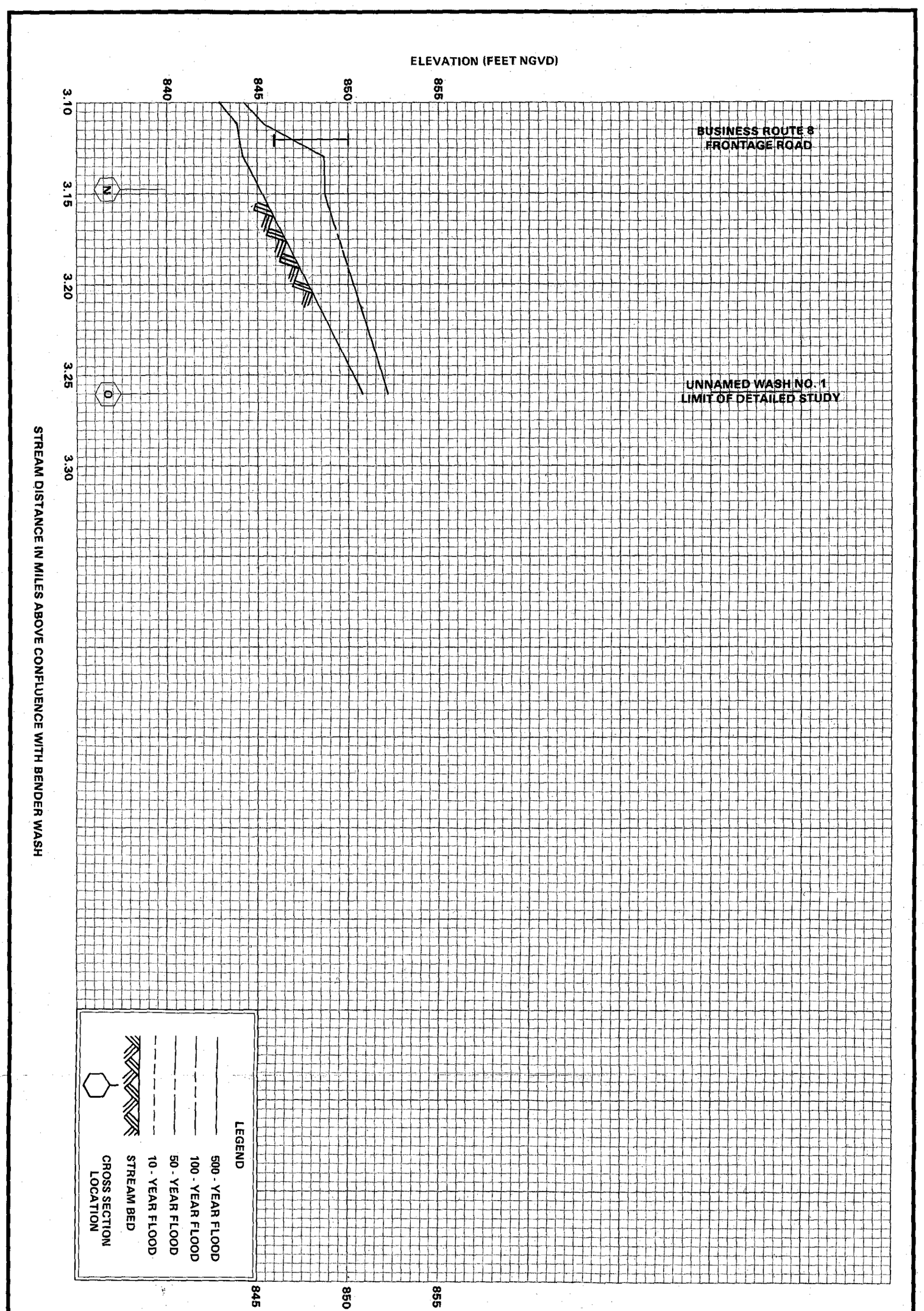


FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

FLOOD PROFILES

UNNAMED WASH #1



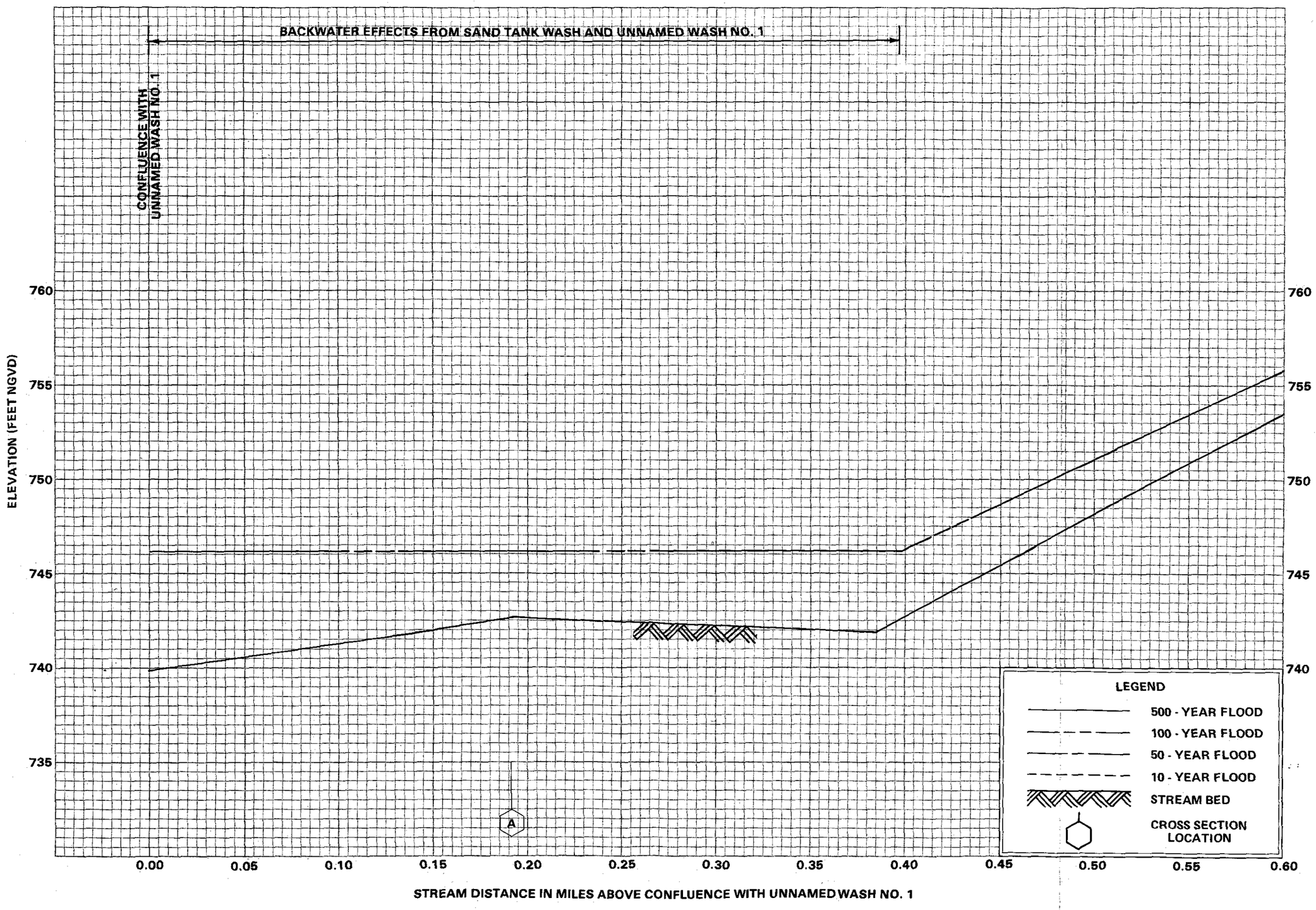
817P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

UNNAMED WASH #1



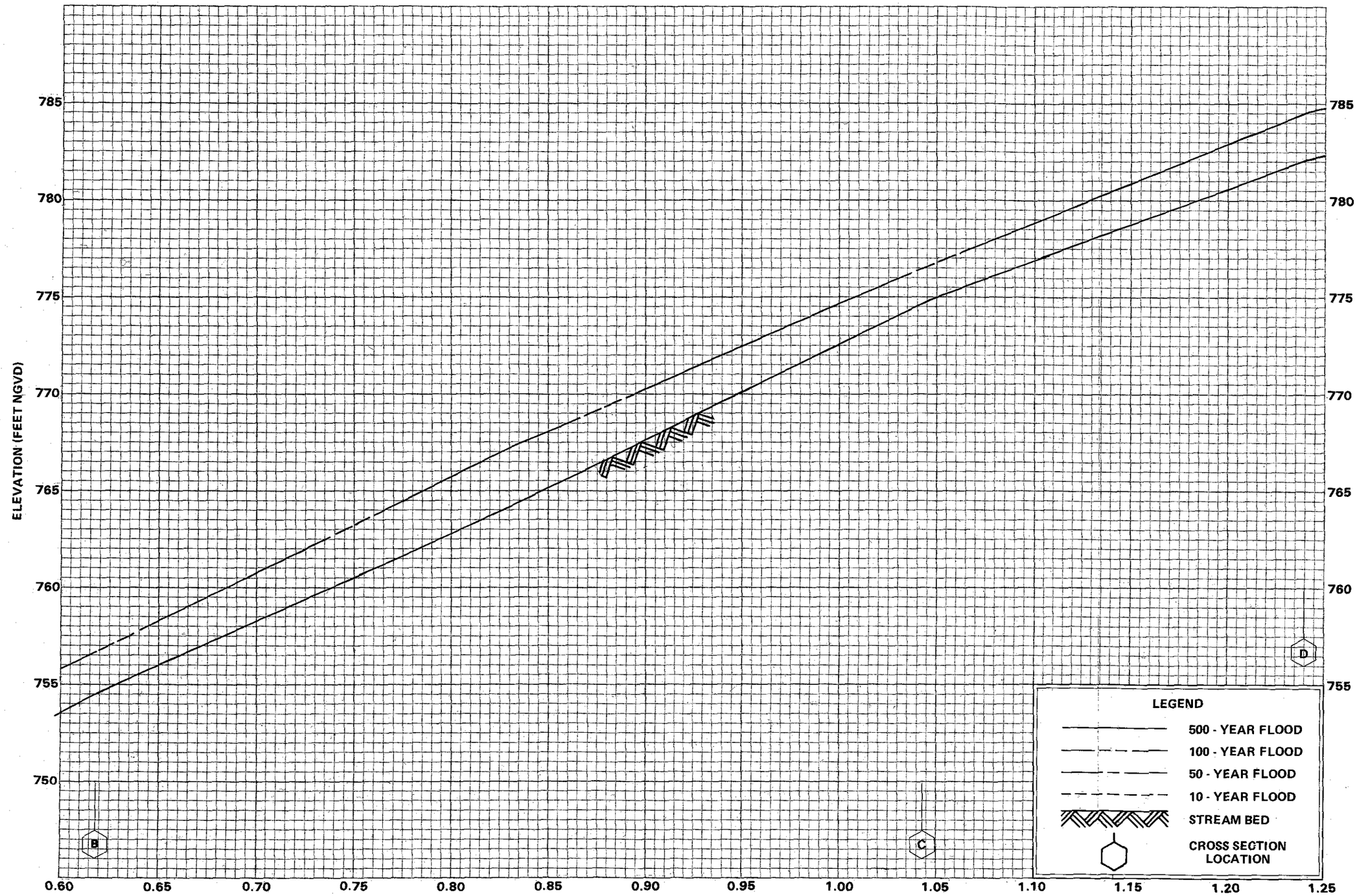
FLOOD PROFILES

UNNAMED WASH #2

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

818P



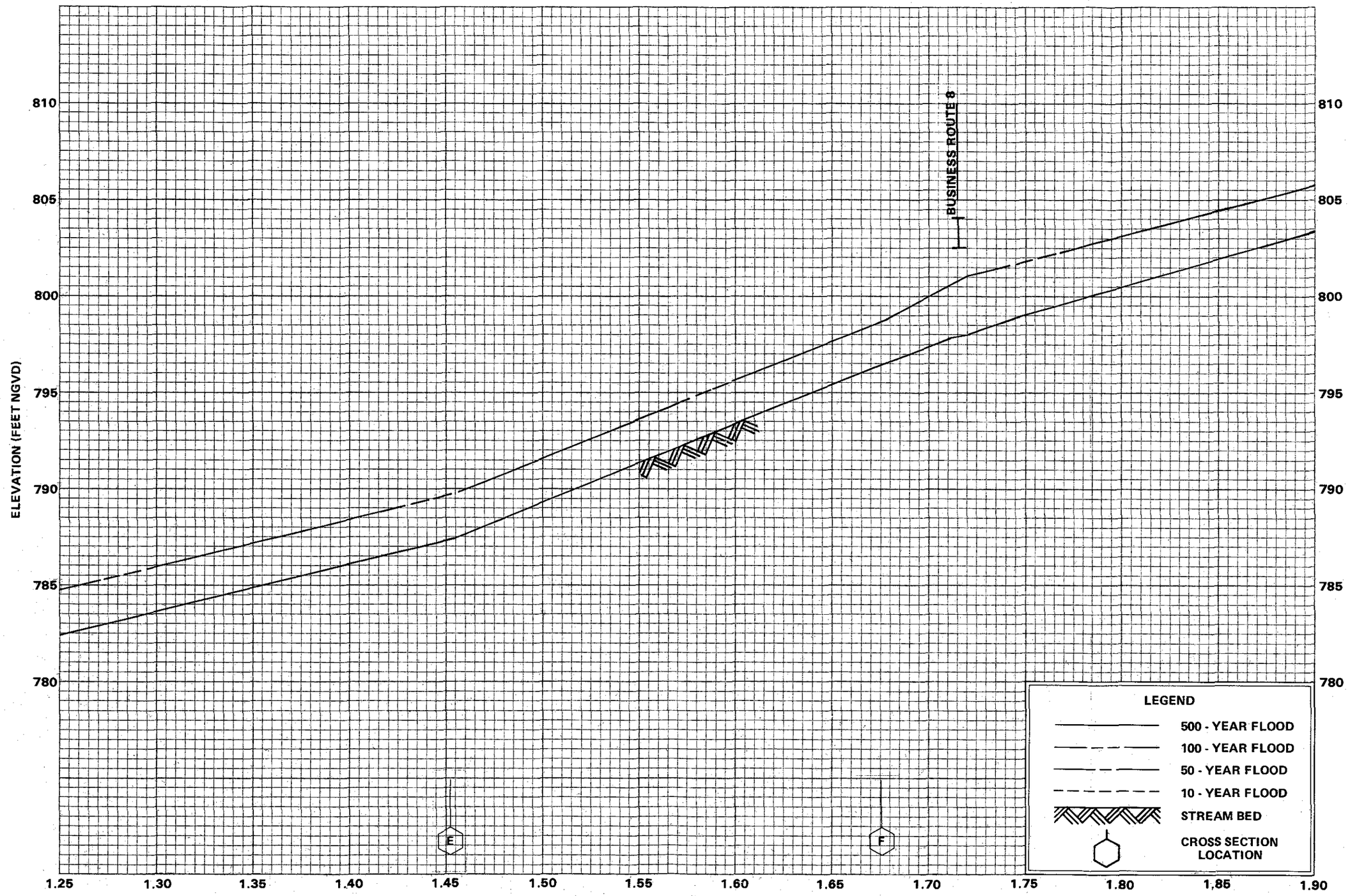
FLOOD PROFILES

UNNAMED WASH #2

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

819P



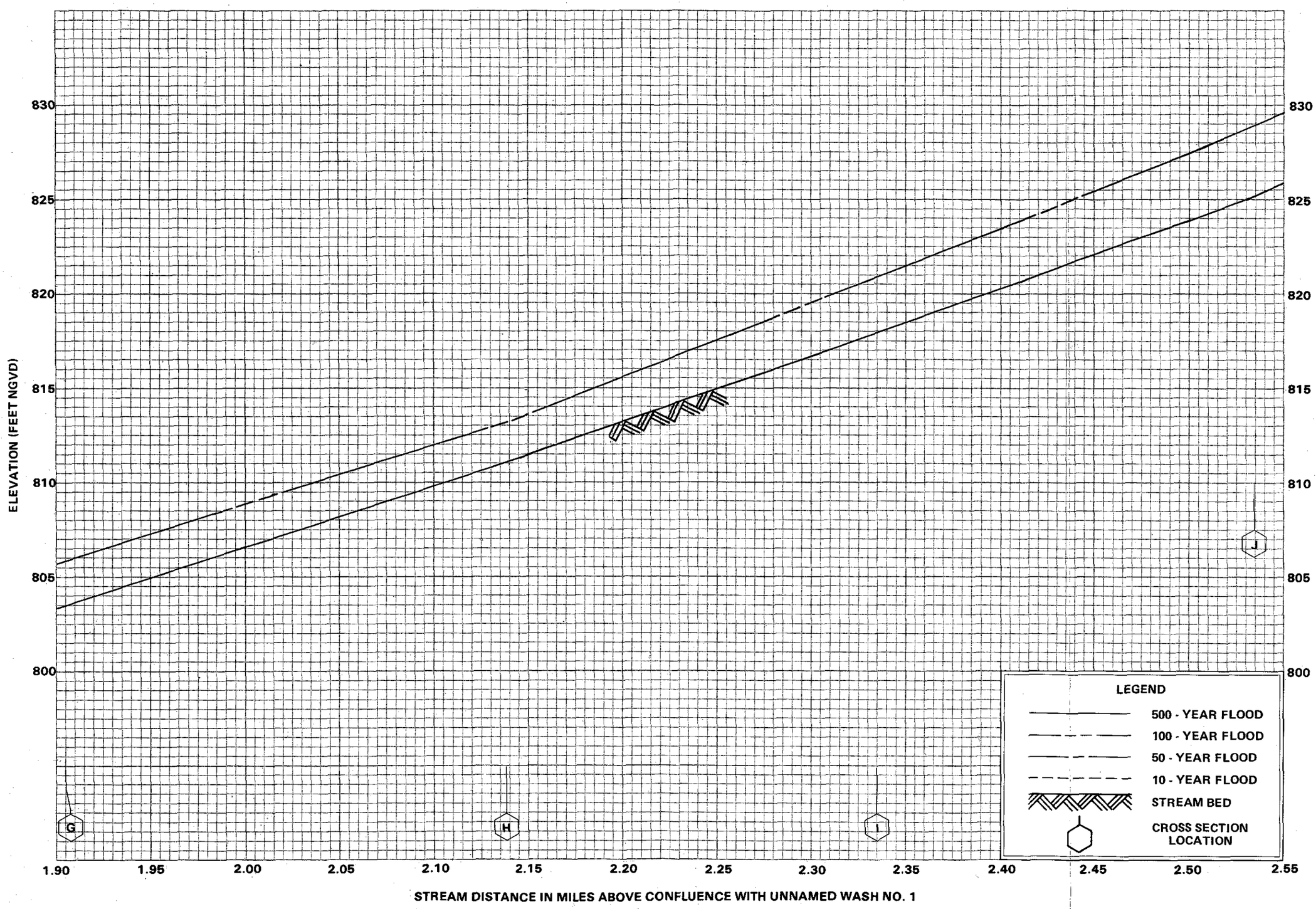
FLOOD PROFILES

UNNAMED WASH #2

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

820P



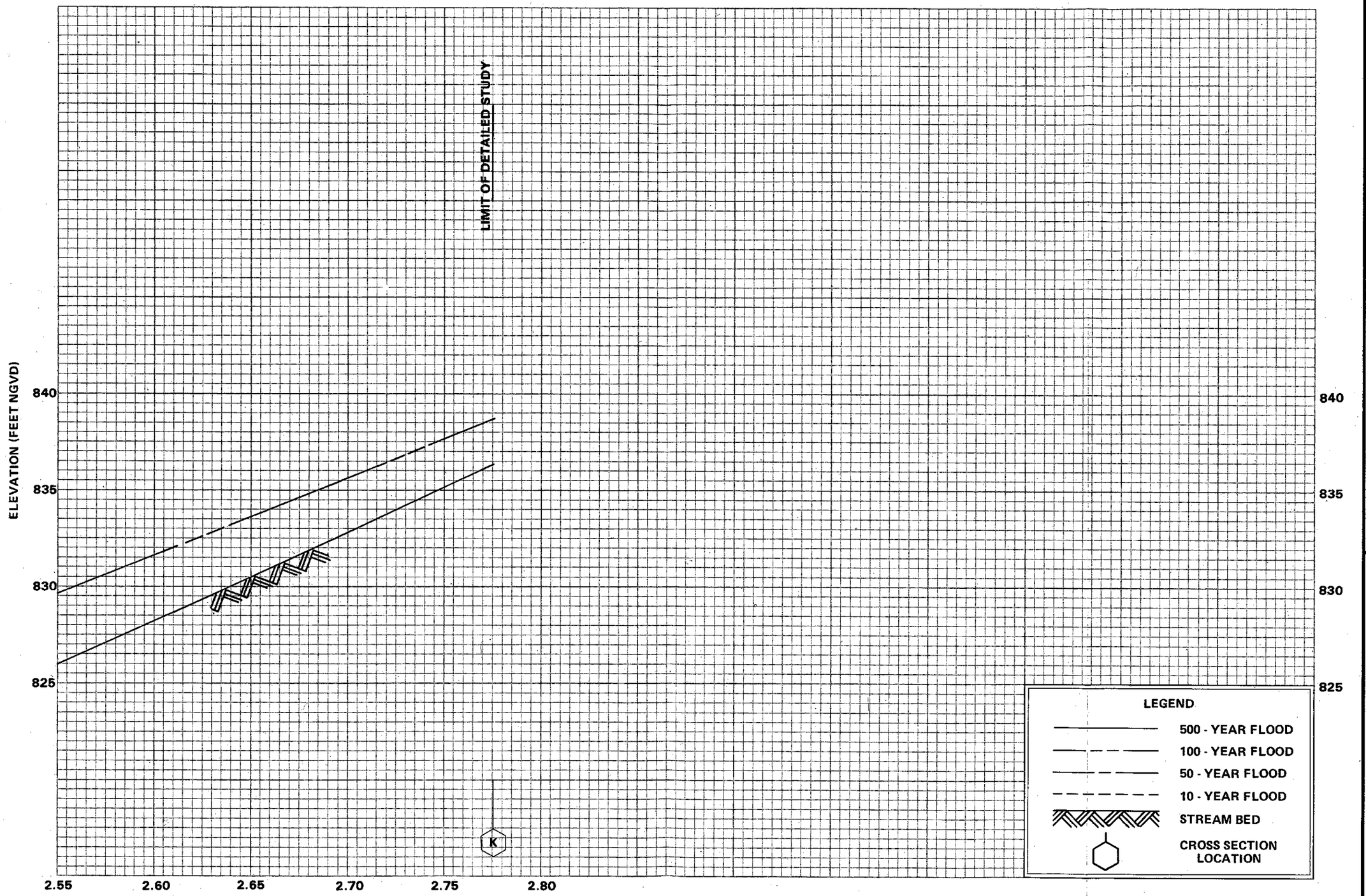
FLOOD PROFILES

UNNAMED WASH #2

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

821P



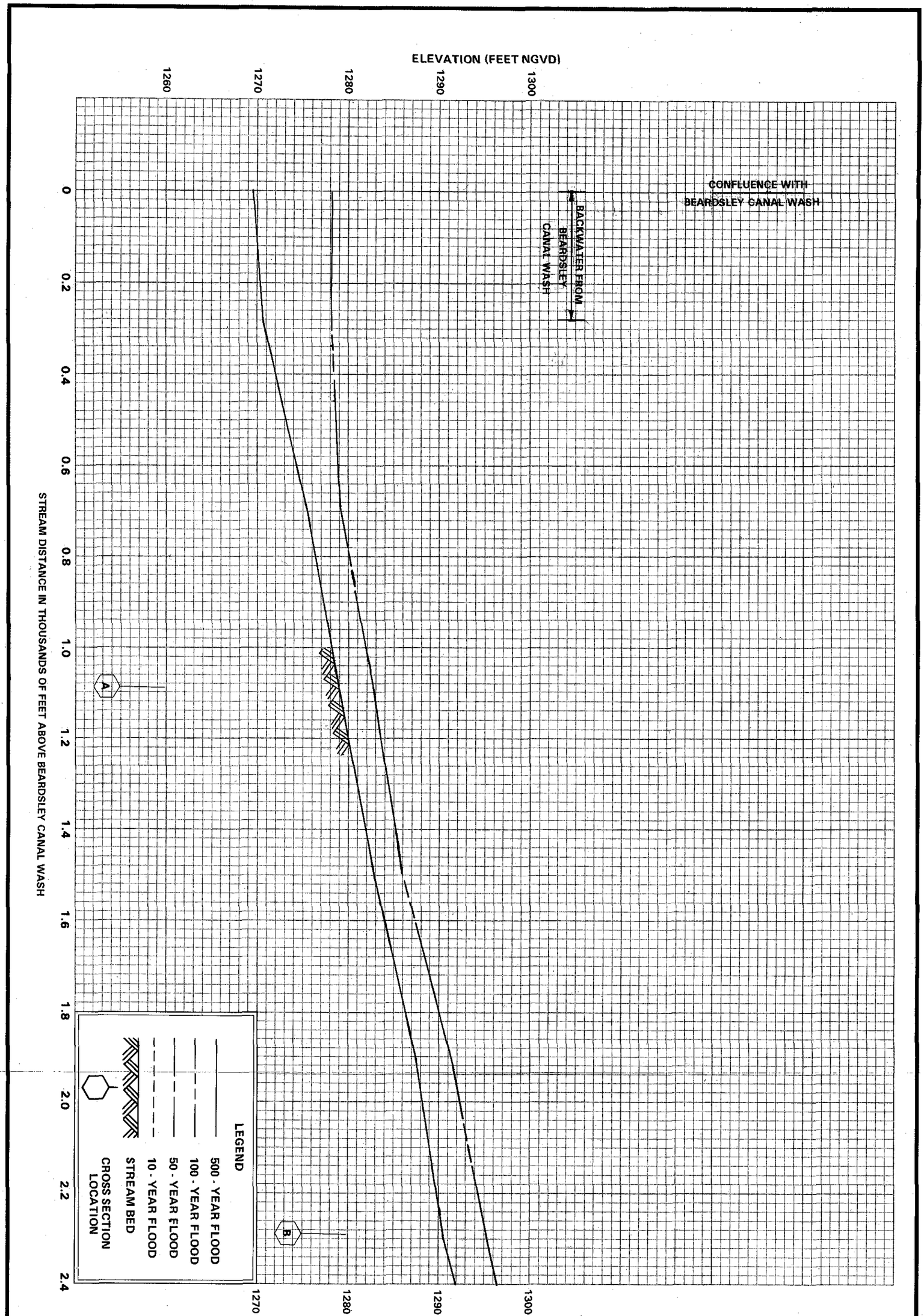
FLOOD PROFILES

UNNAMED WASH #2

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

822P



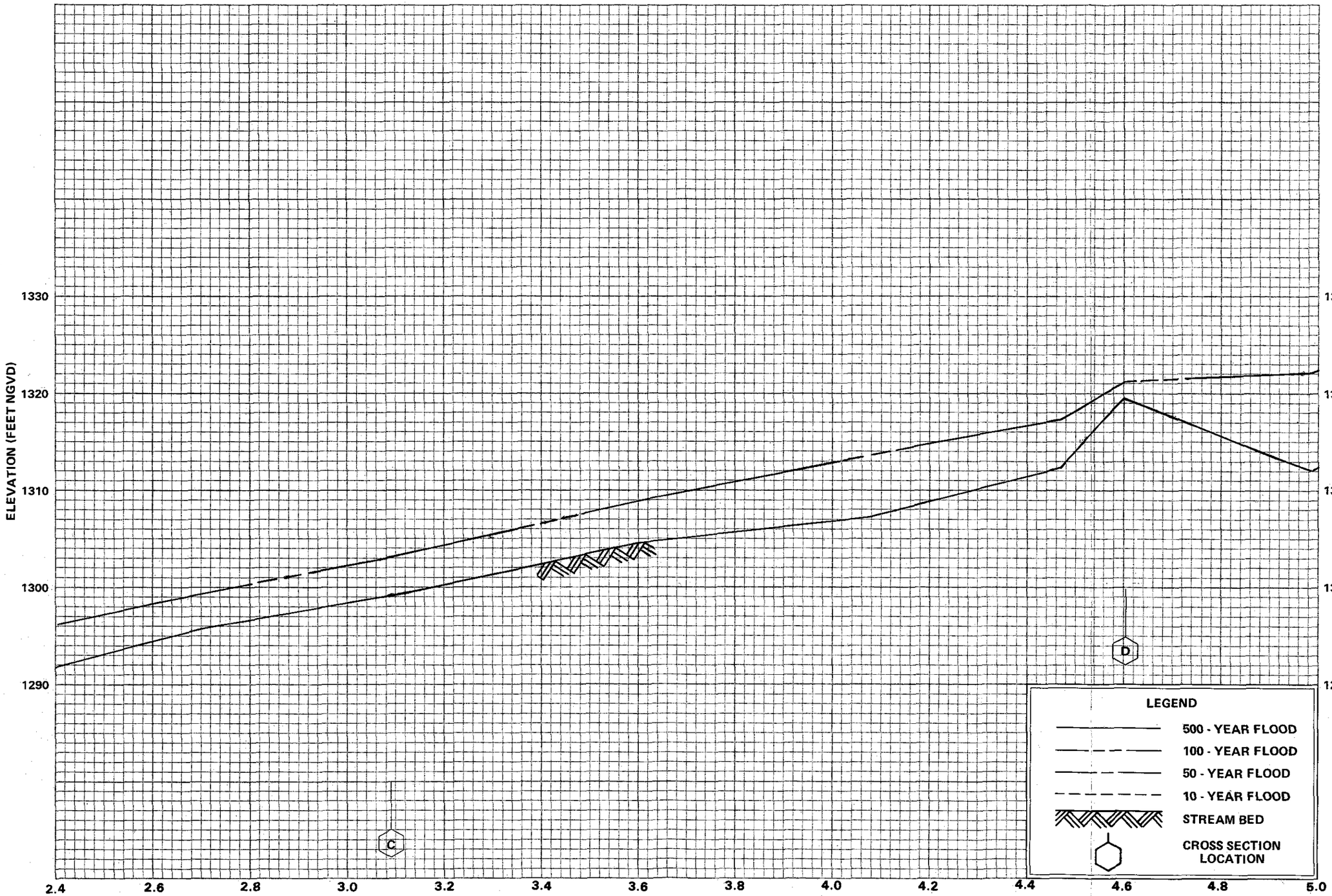
823P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

WATERFALL WASH



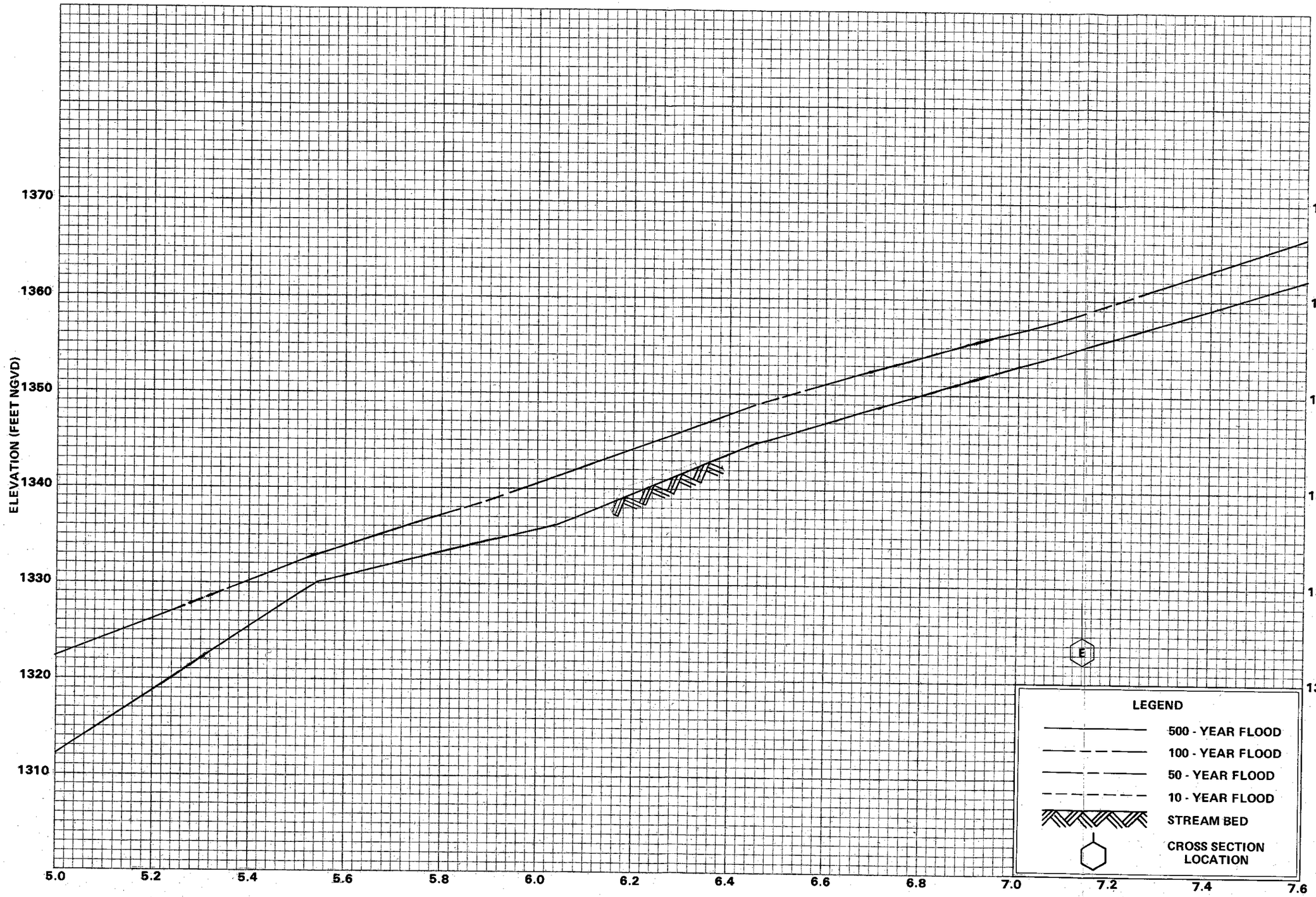
FLOOD PROFILES

WATERFALL WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

824P



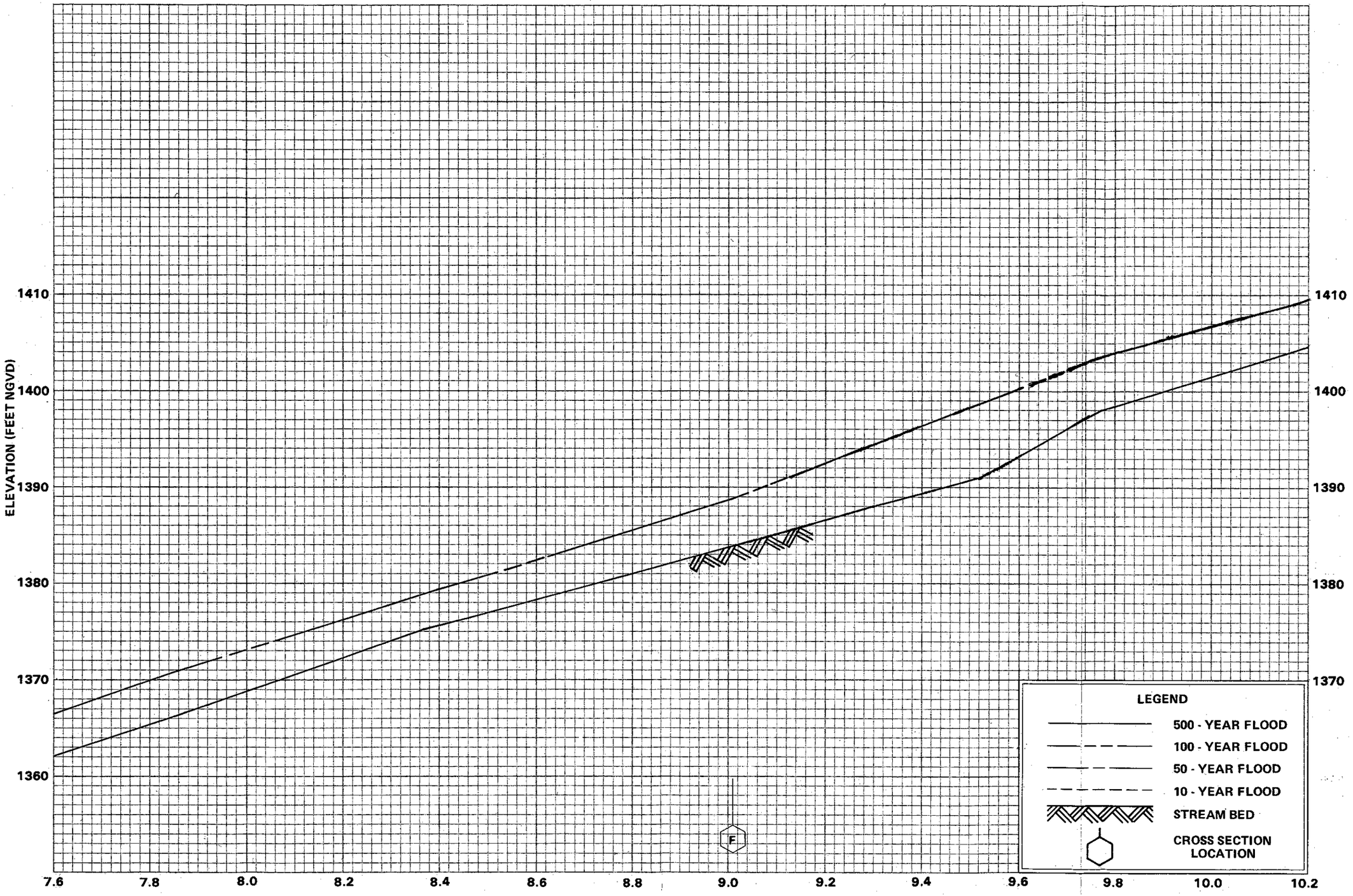
FLOOD PROFILES

WATERFALL WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

825P



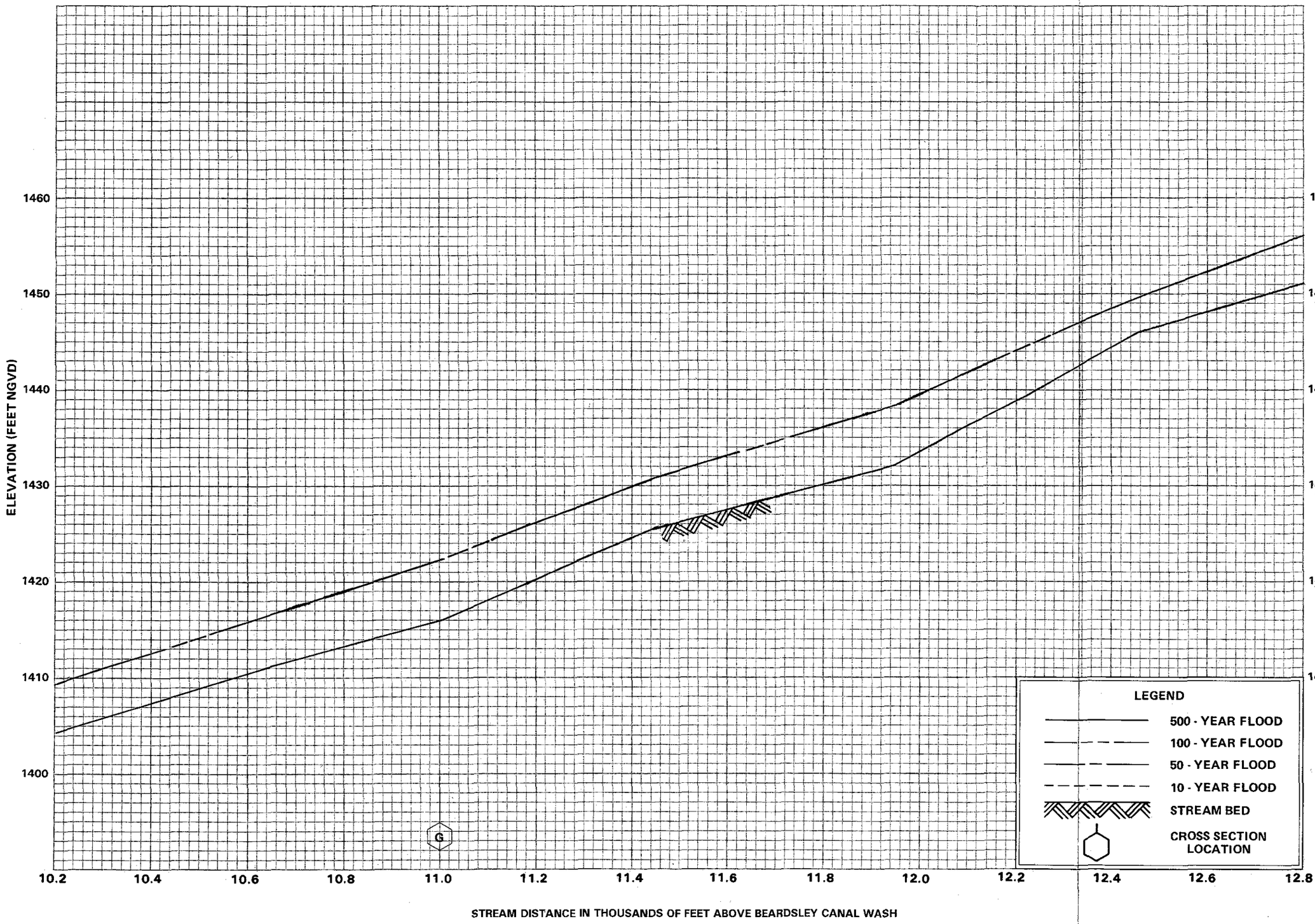
FLOOD PROFILES

WATERFALL WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

826P



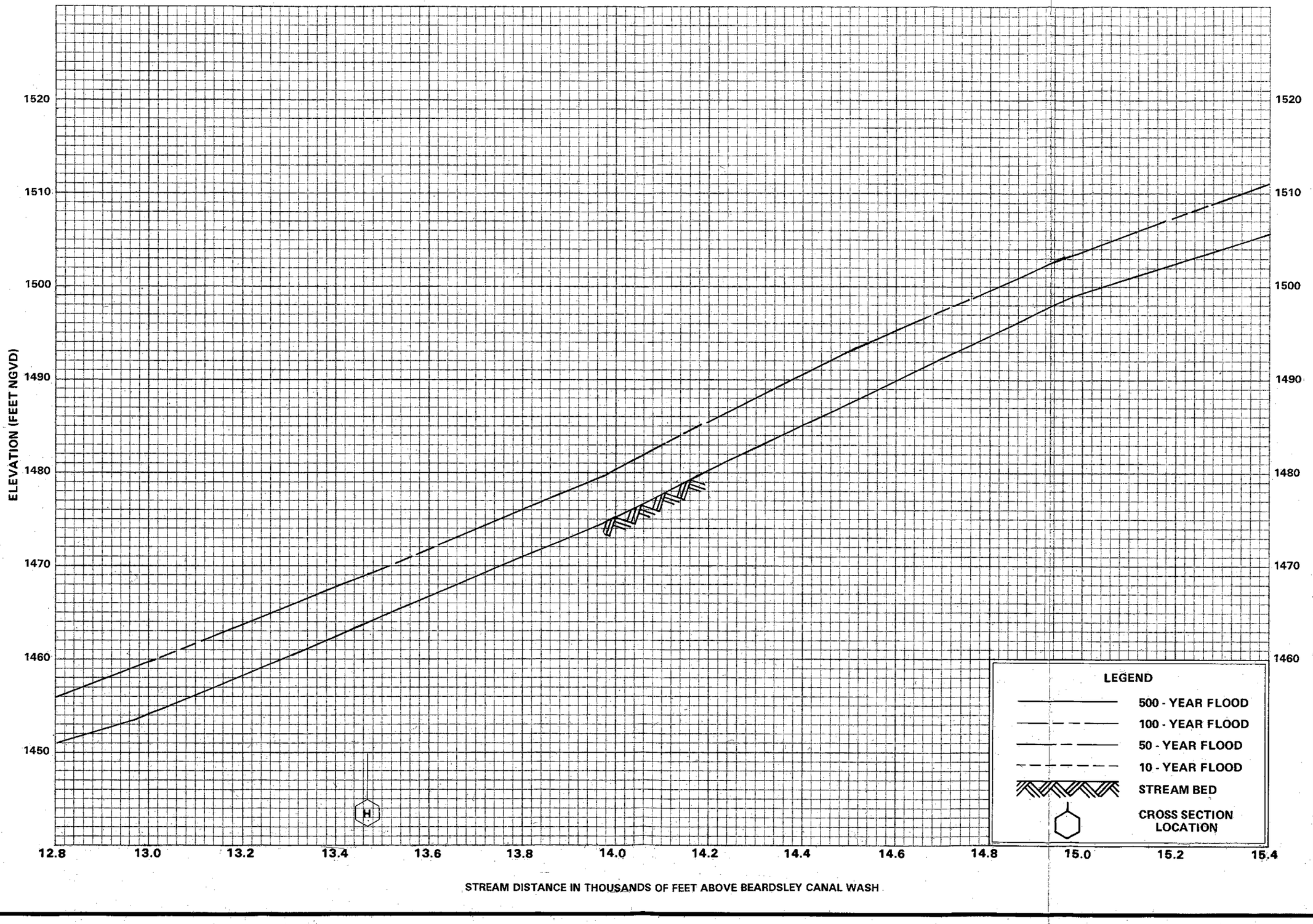
FLOOD PROFILES

WATERFALL WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

827P



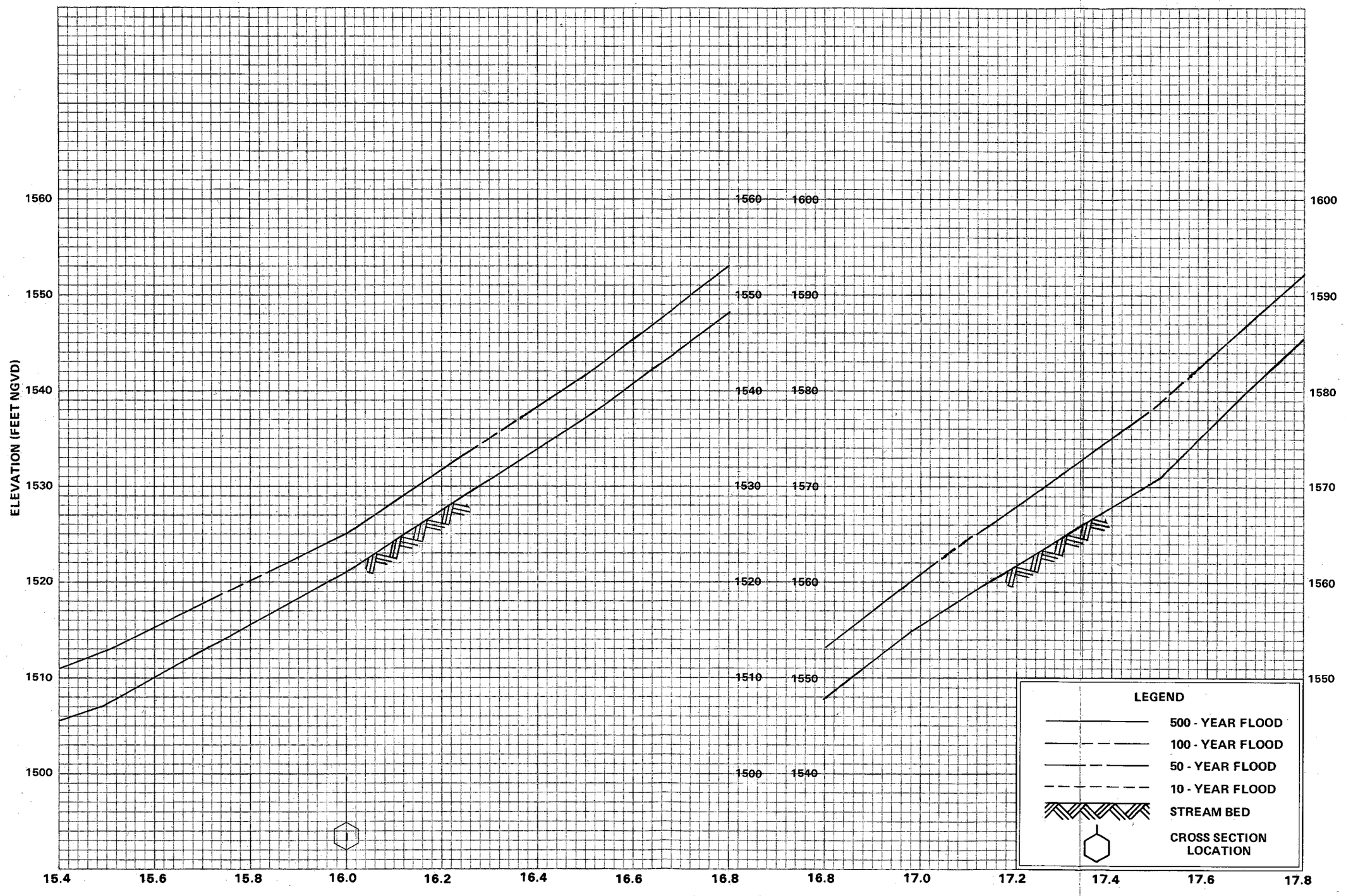
FLOOD PROFILES

WATERFALL WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

828P



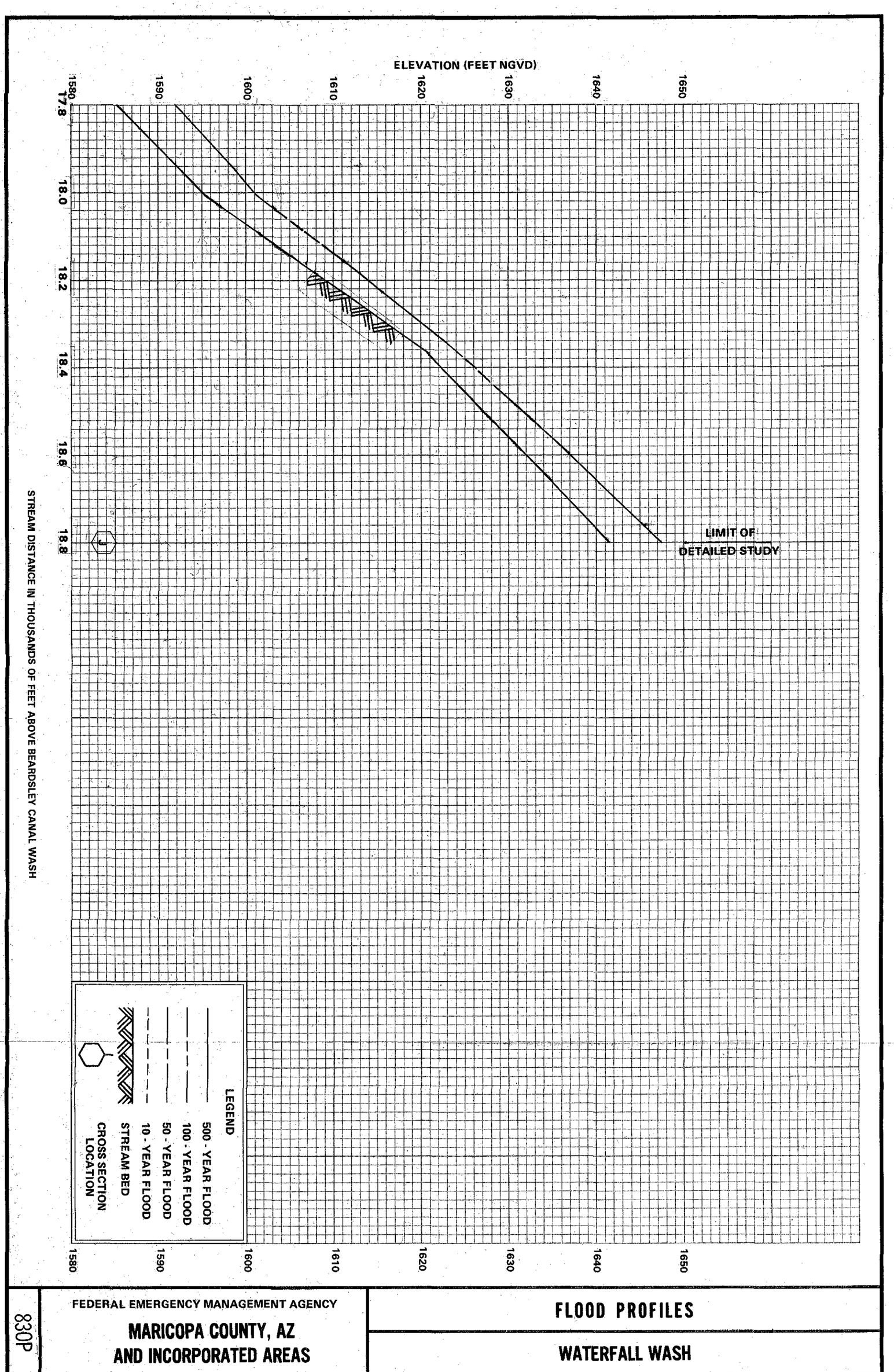
FLOOD PROFILES

WATERFALL WASH

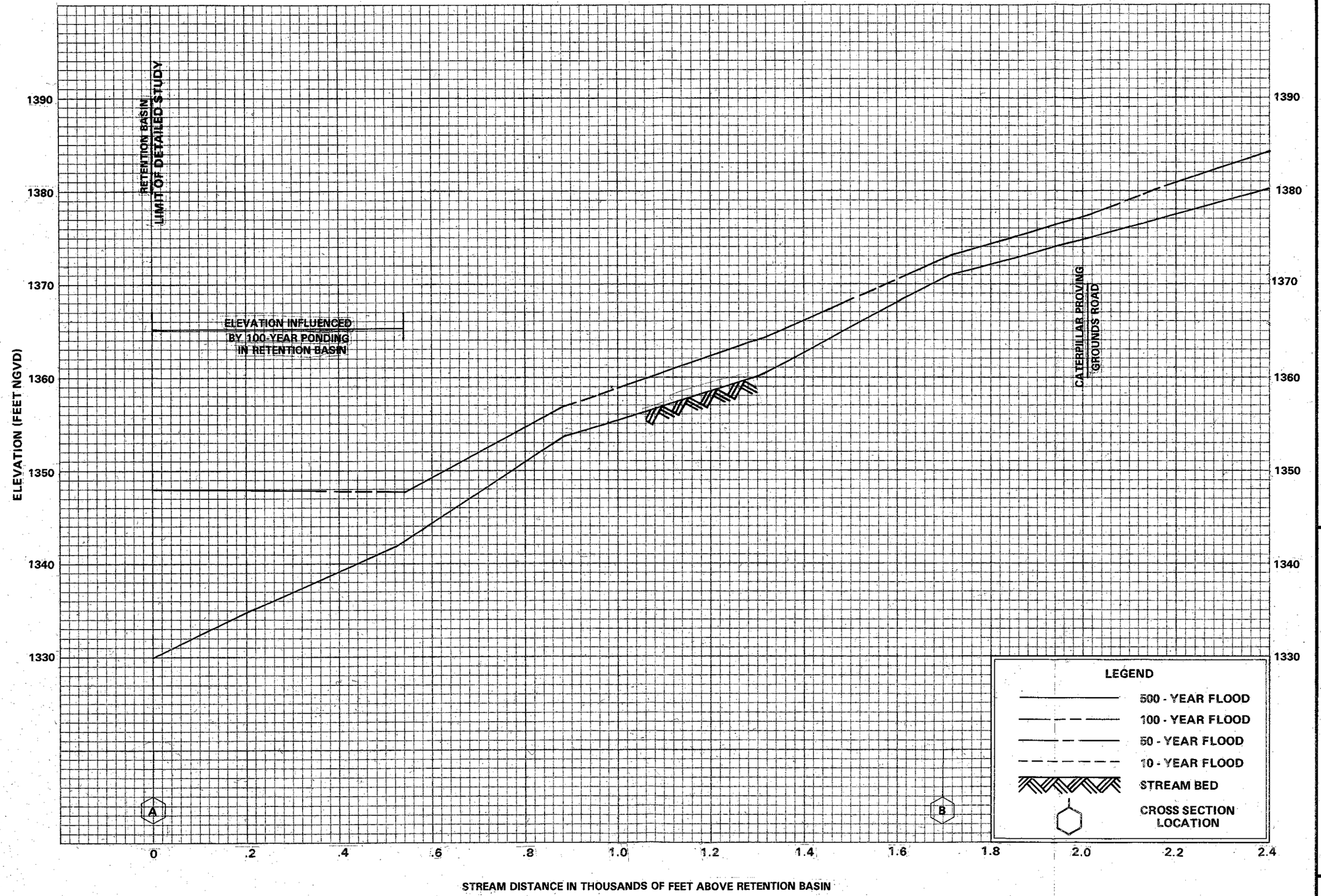
FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

829P



830P	FEDERAL EMERGENCY MANAGEMENT AGENCY MARICOPA COUNTY, AZ AND INCORPORATED AREAS	FLOOD PROFILES WATERFALL WASH



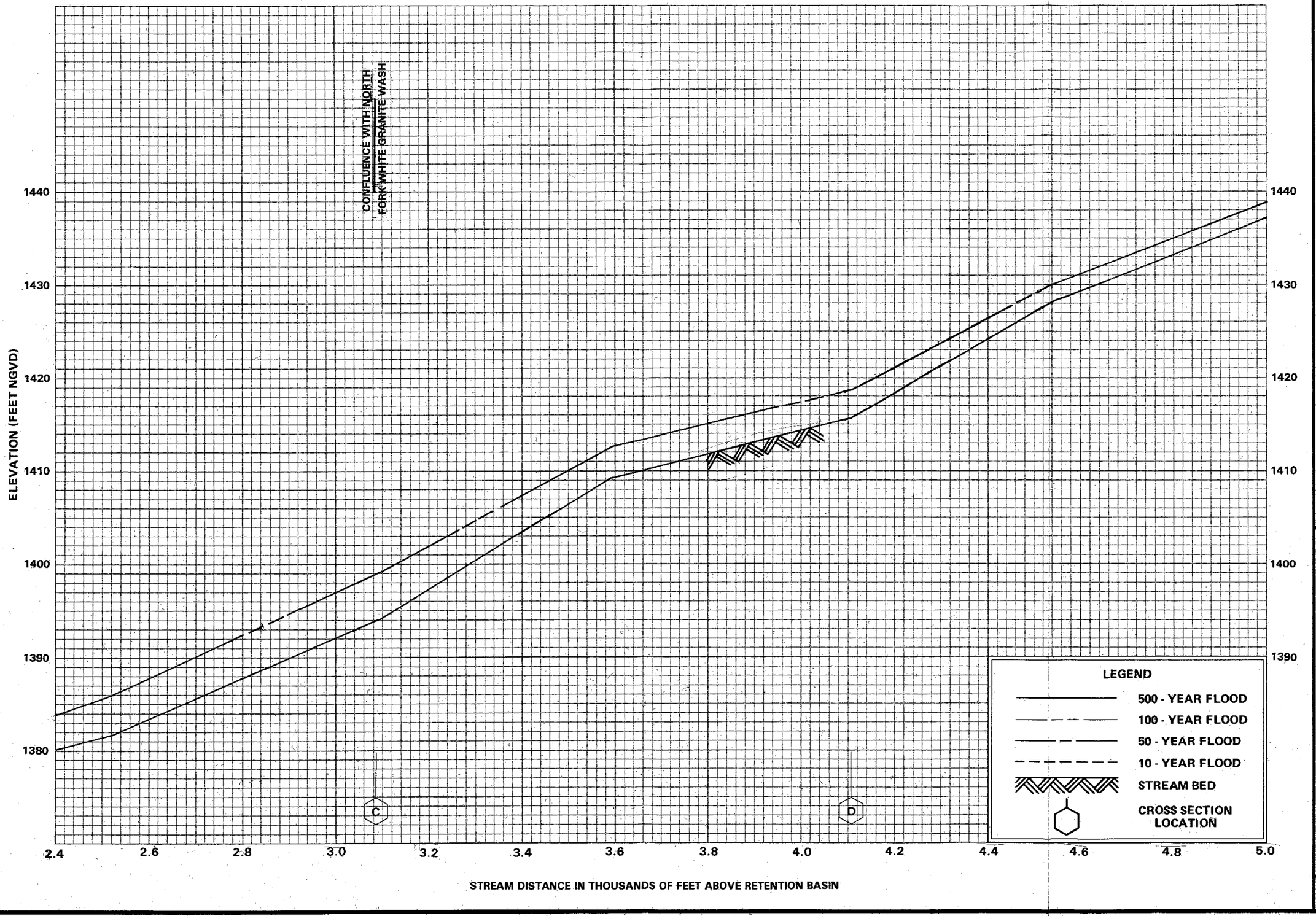
FLOOD PROFILES

WHITE GRANITE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

831P



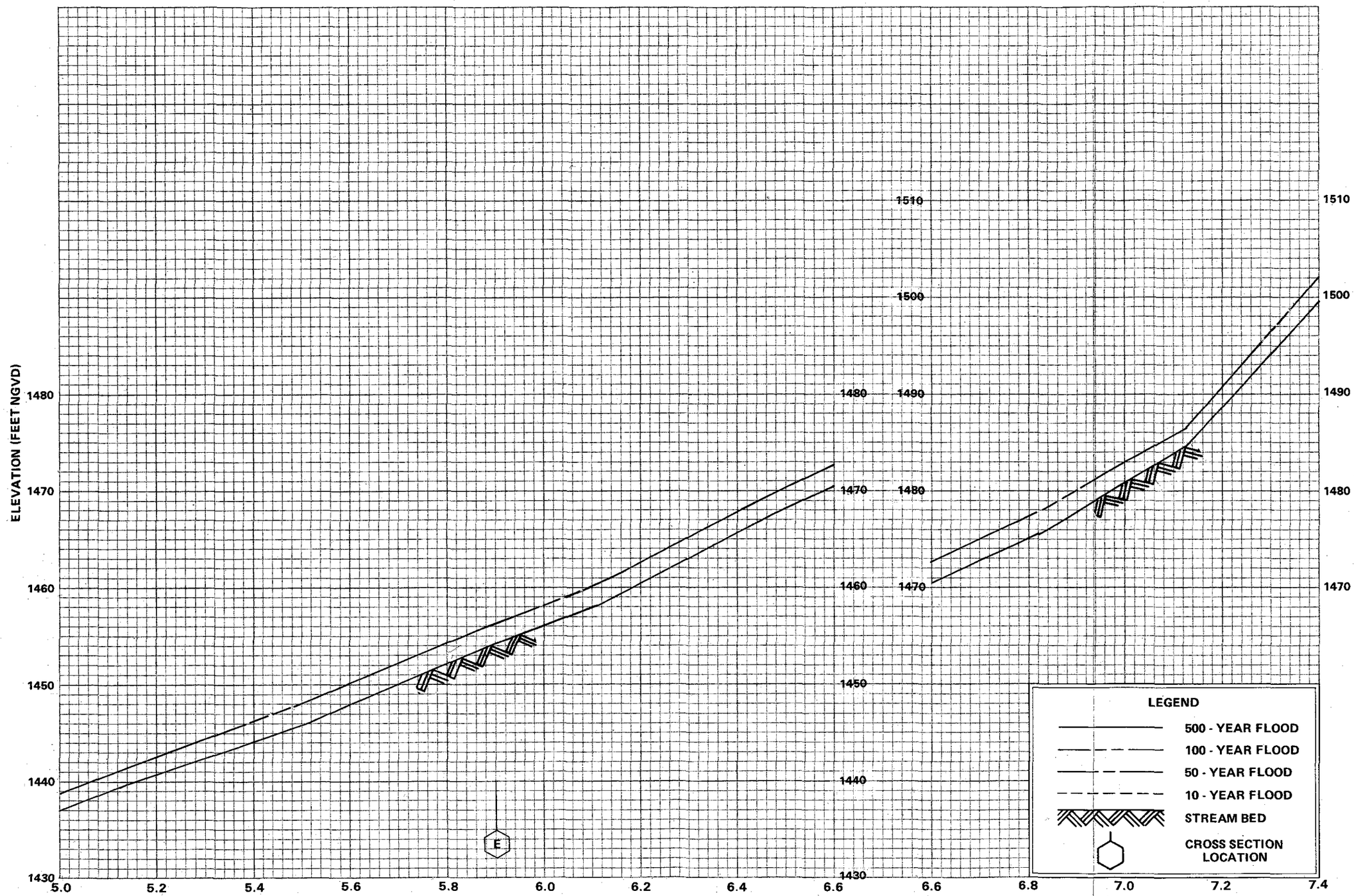
FLOOD PROFILES

WHITE GRANITE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

832P



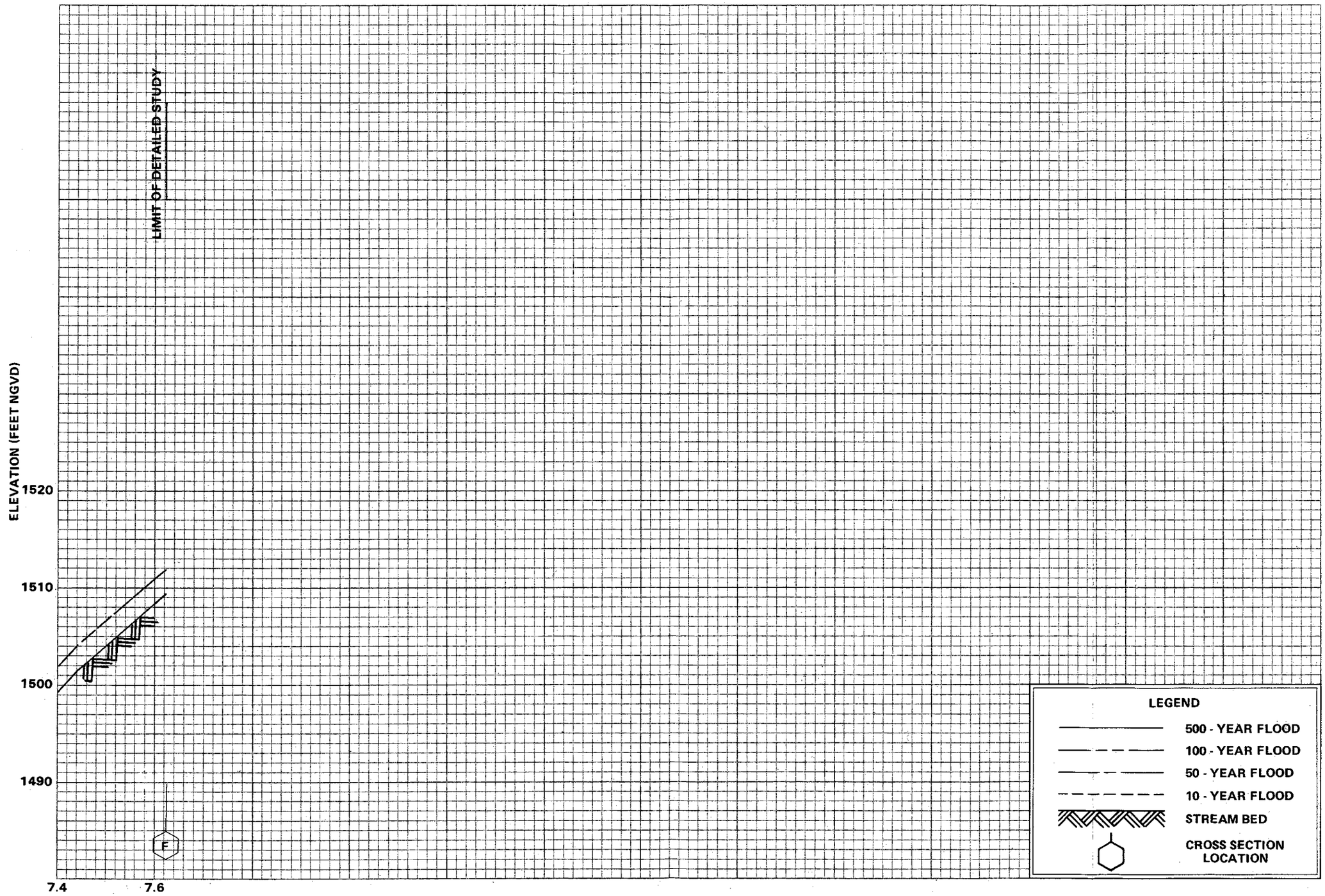
FLOOD PROFILES

WHITE GRANITE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

833P



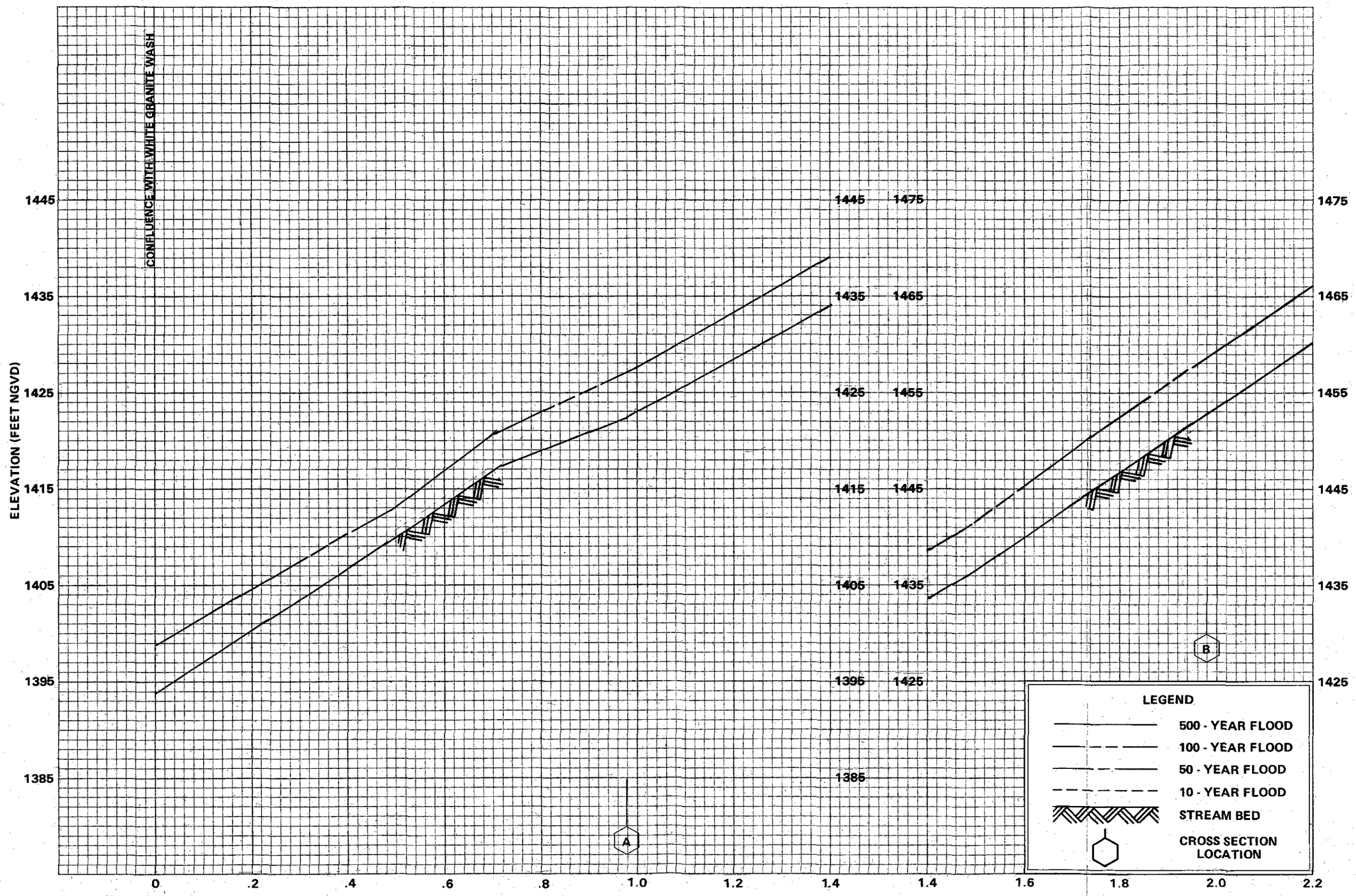
FLOOD PROFILES

WHITE GRANITE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

834P



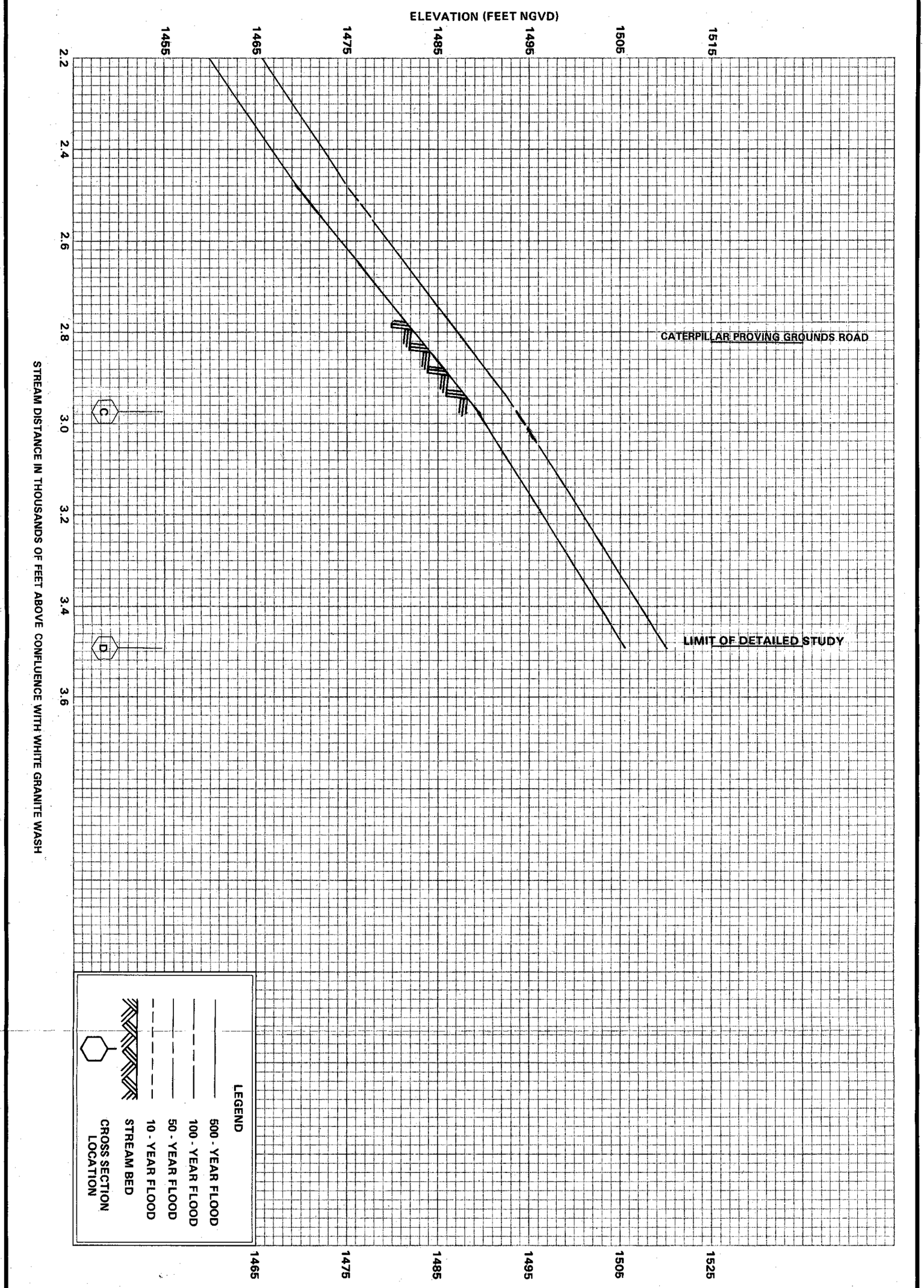
FLOOD PROFILES

NORTH FORK WHITE GRANITE WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

835P



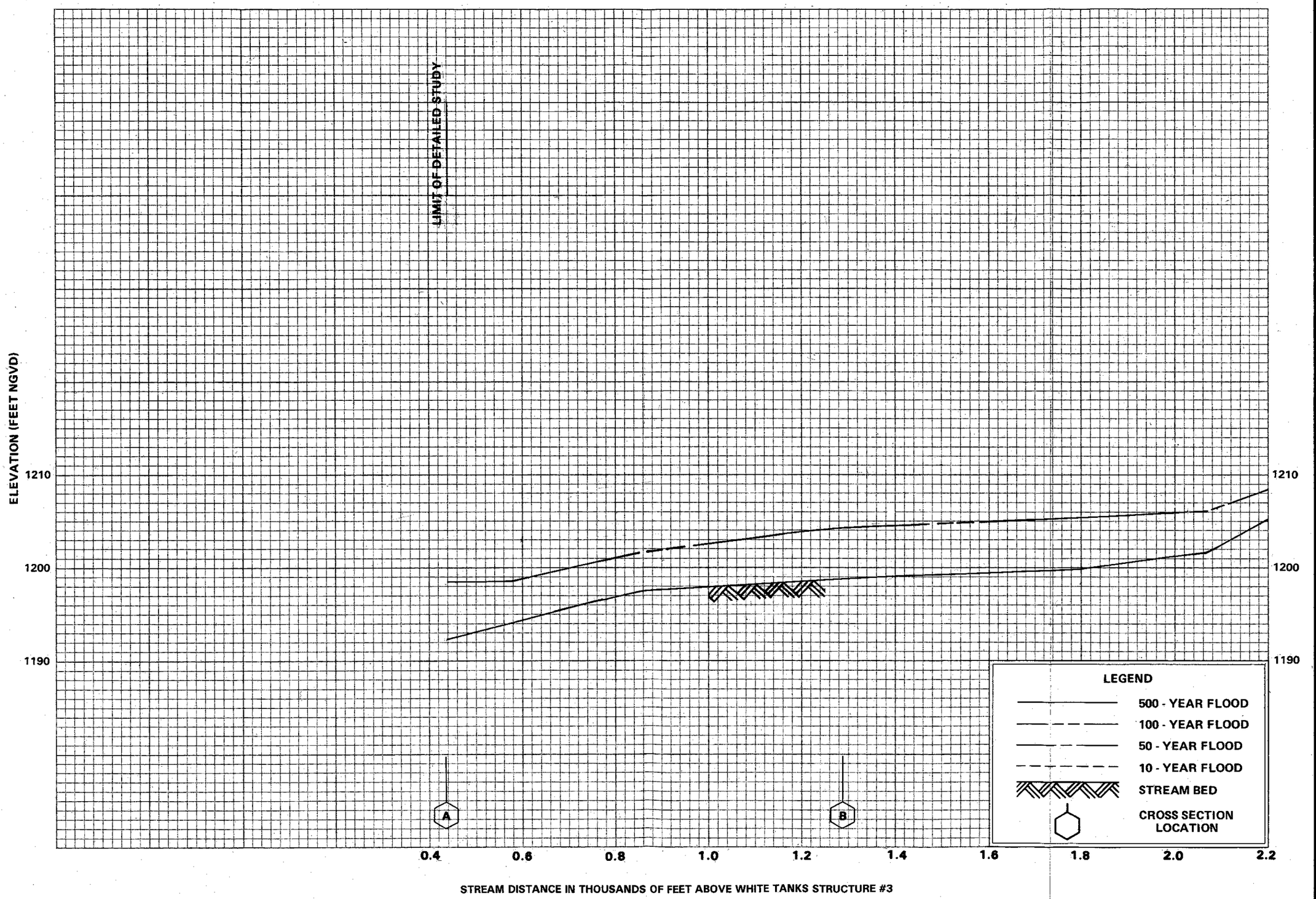
836P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

NORTH FORK WHITE GRANITE WASH



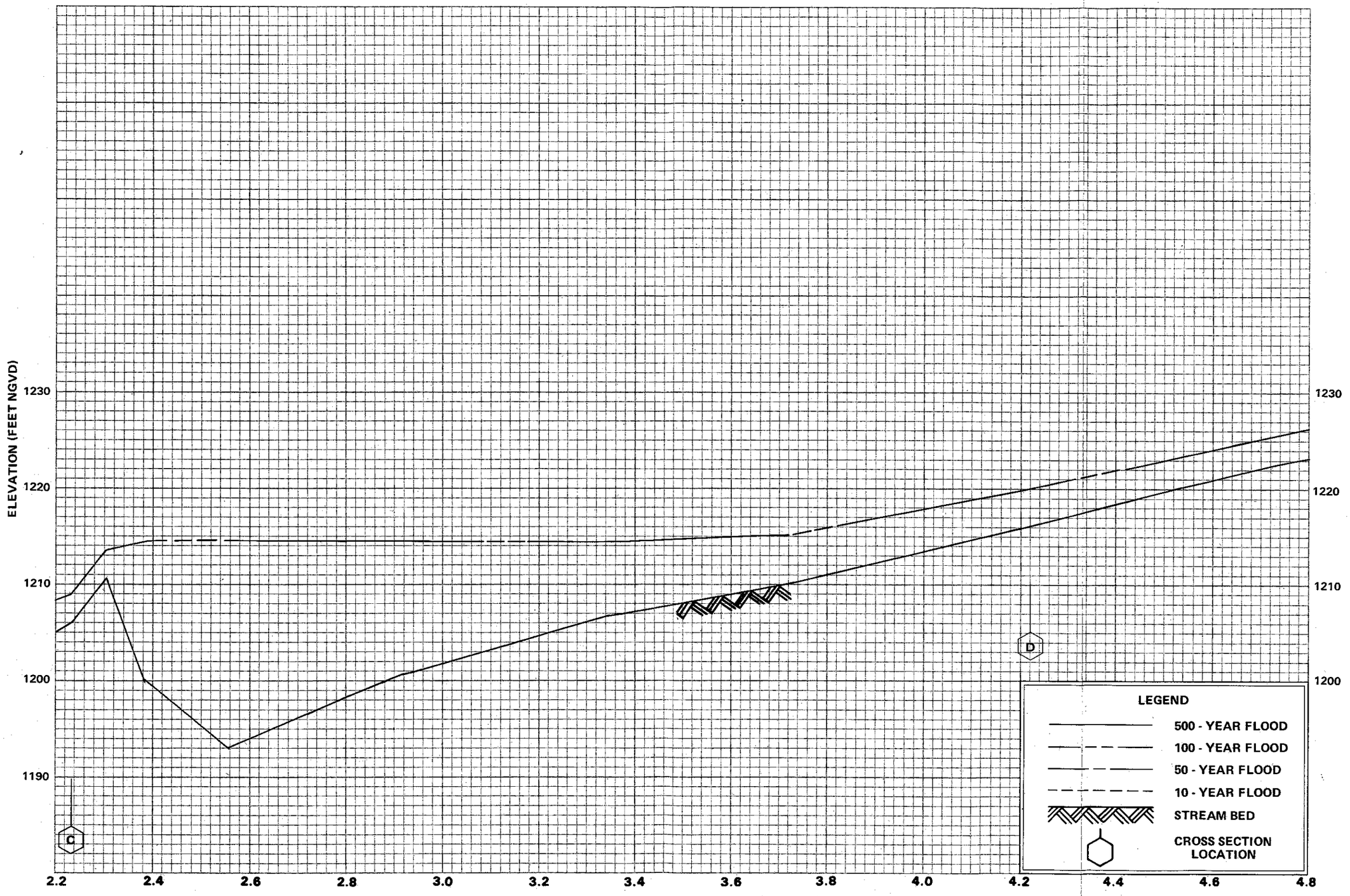
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

837P



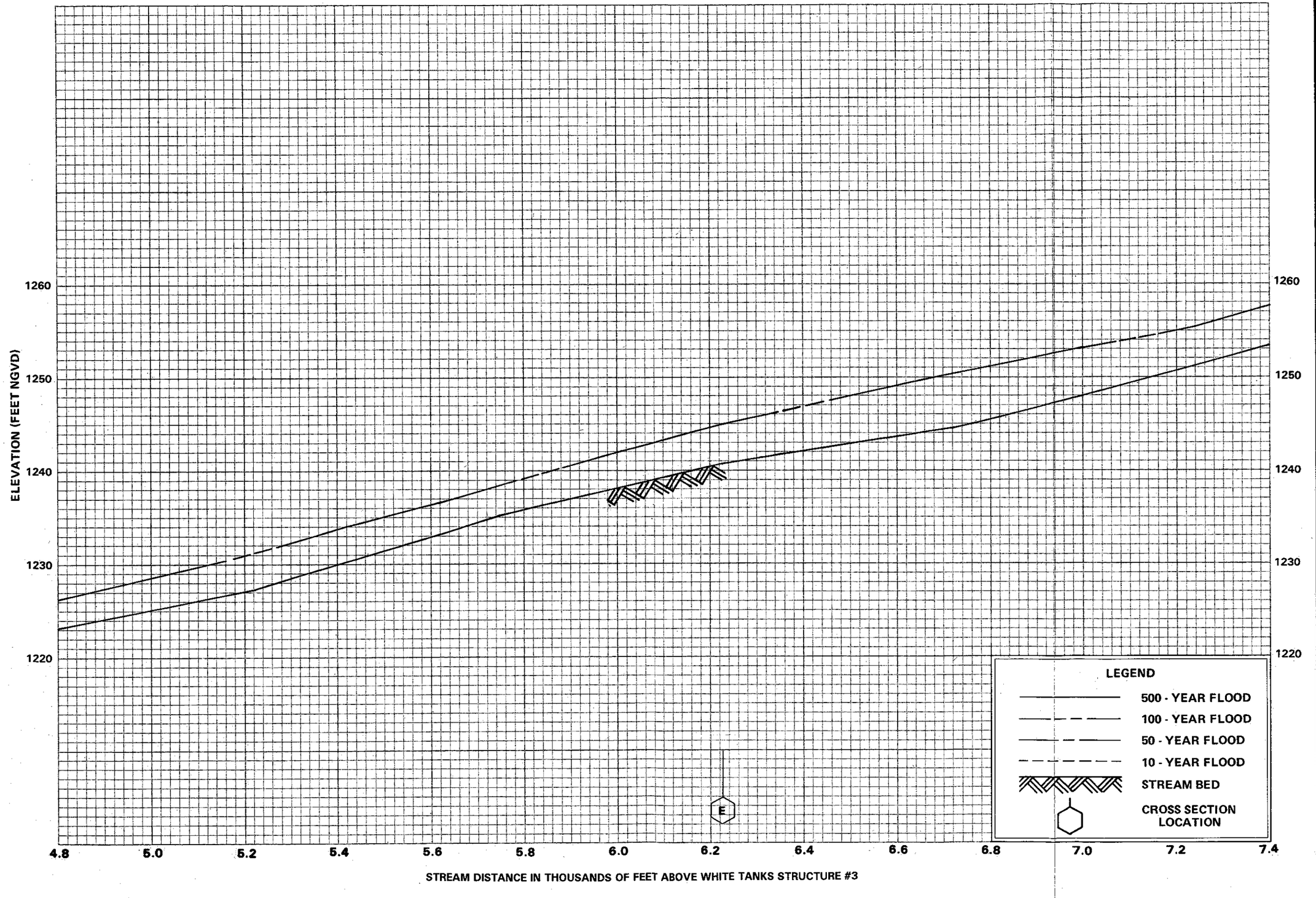
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

838P



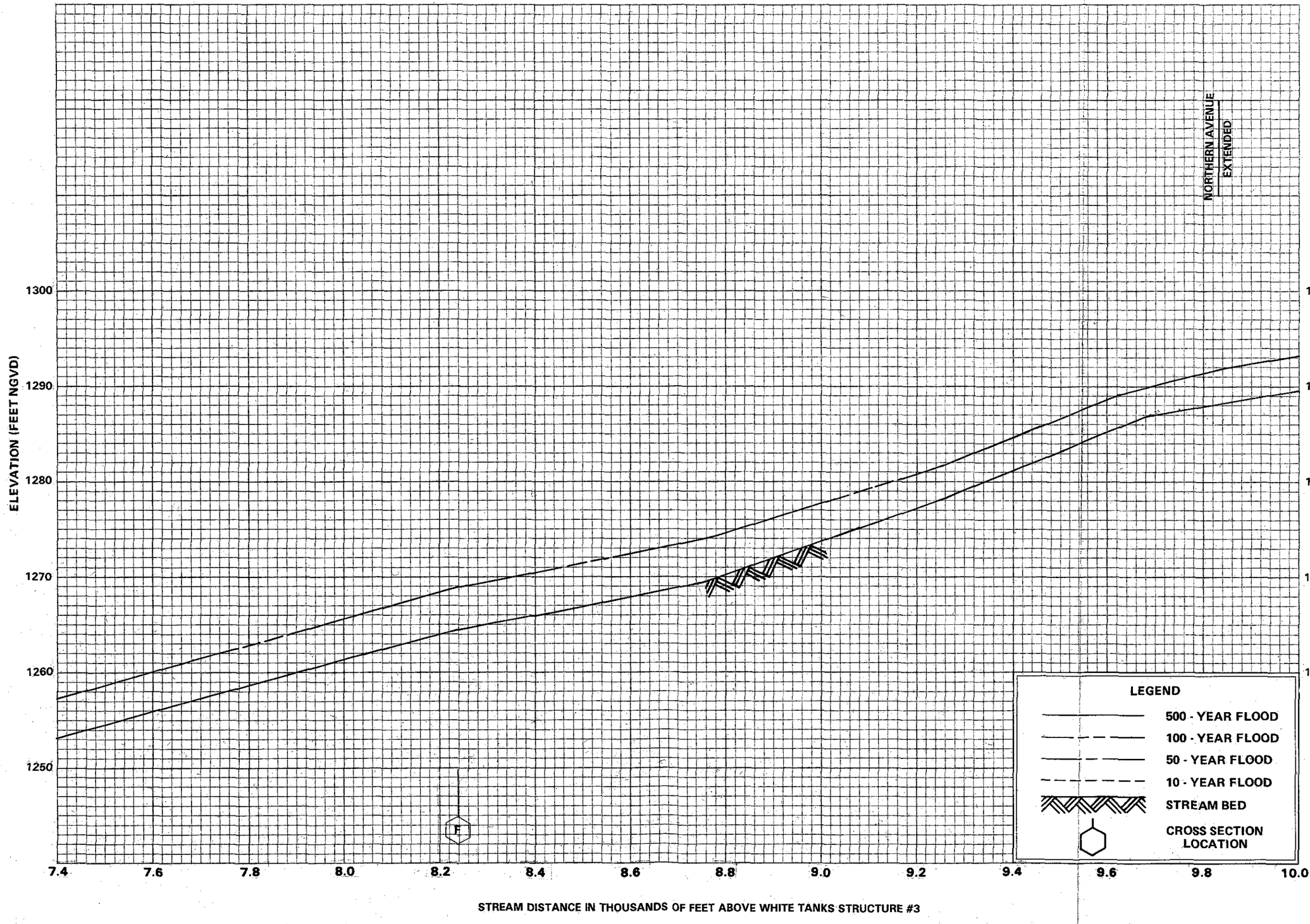
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

839P



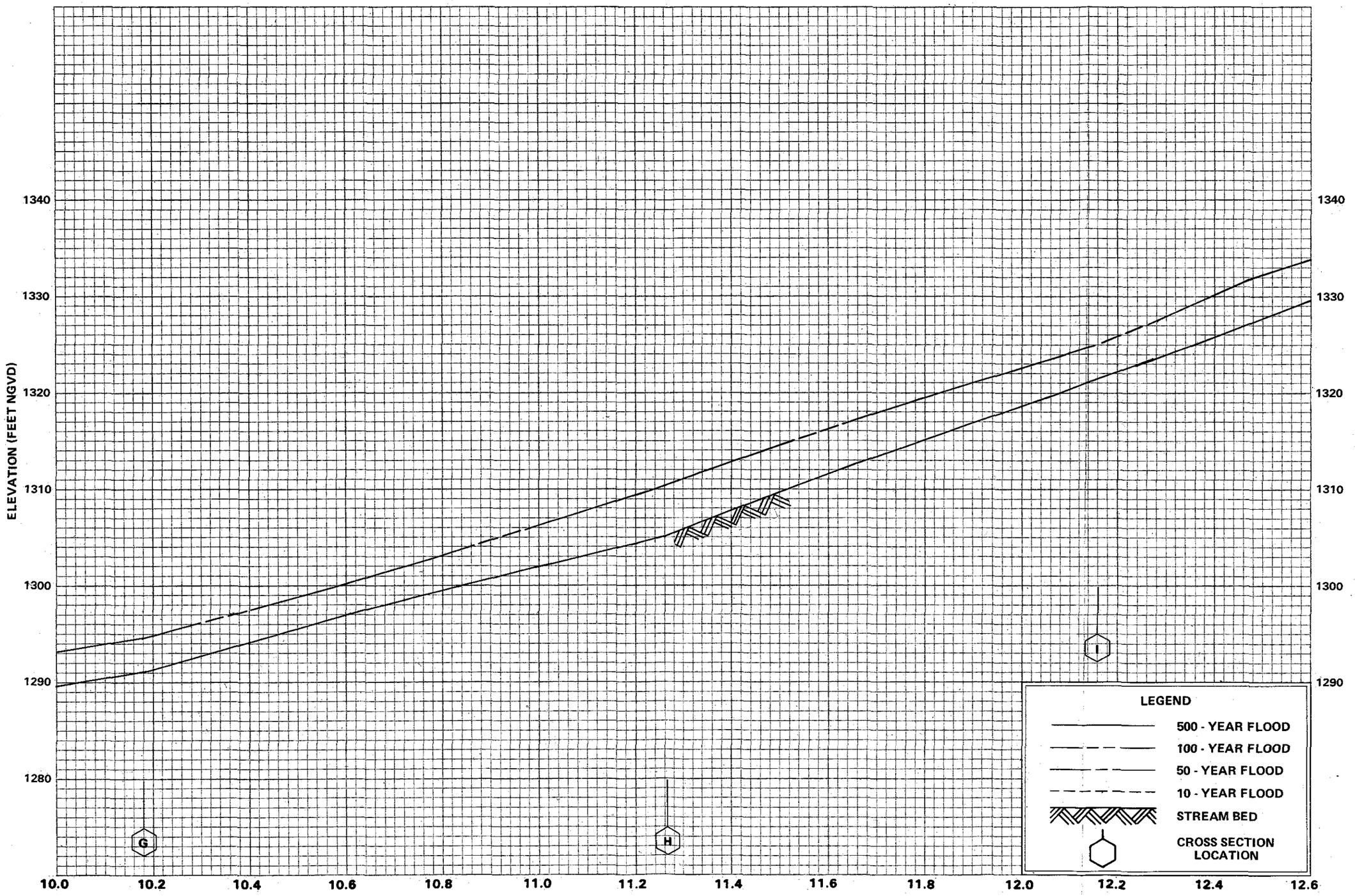
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

840P



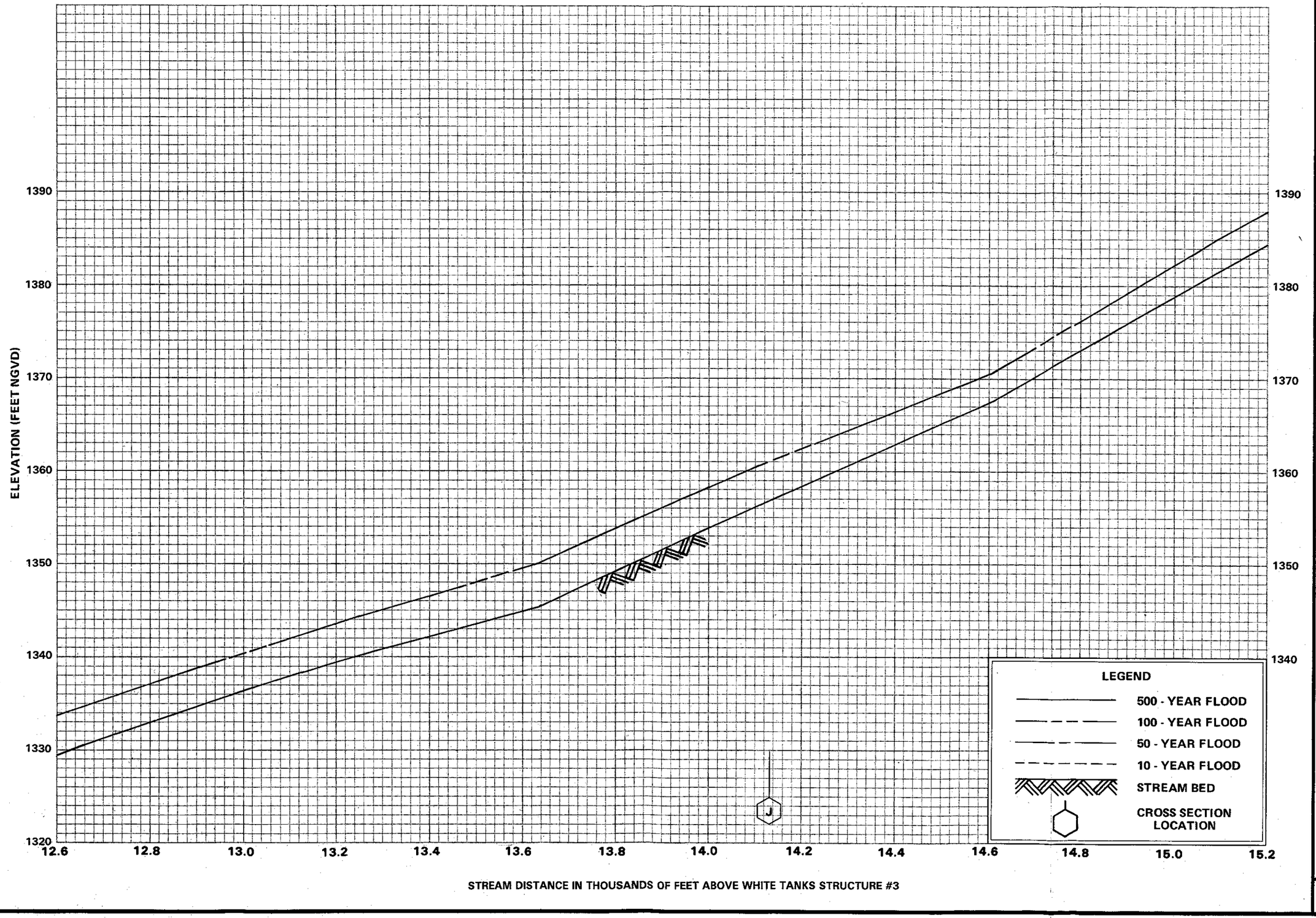
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

841P



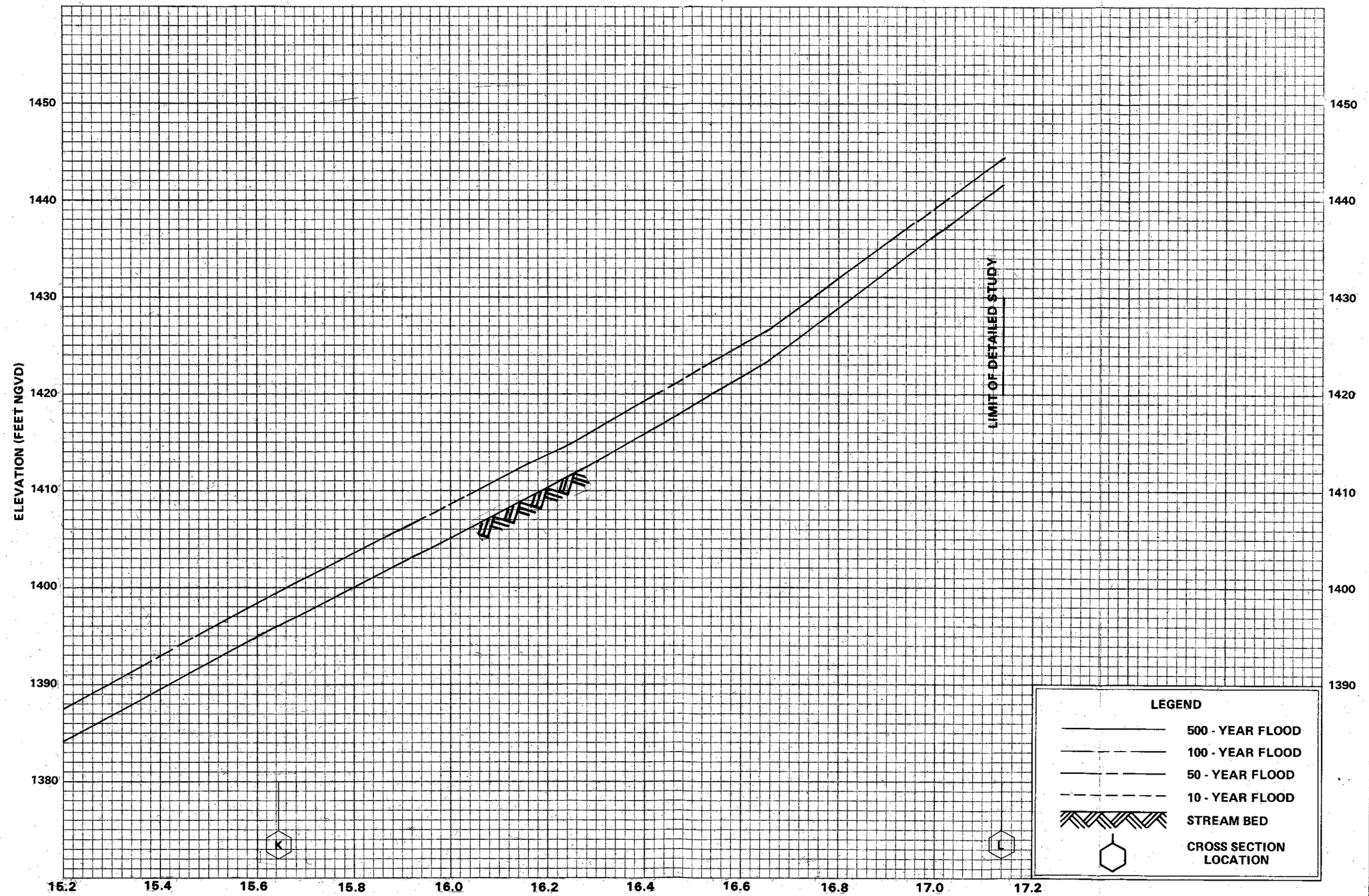
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

842P



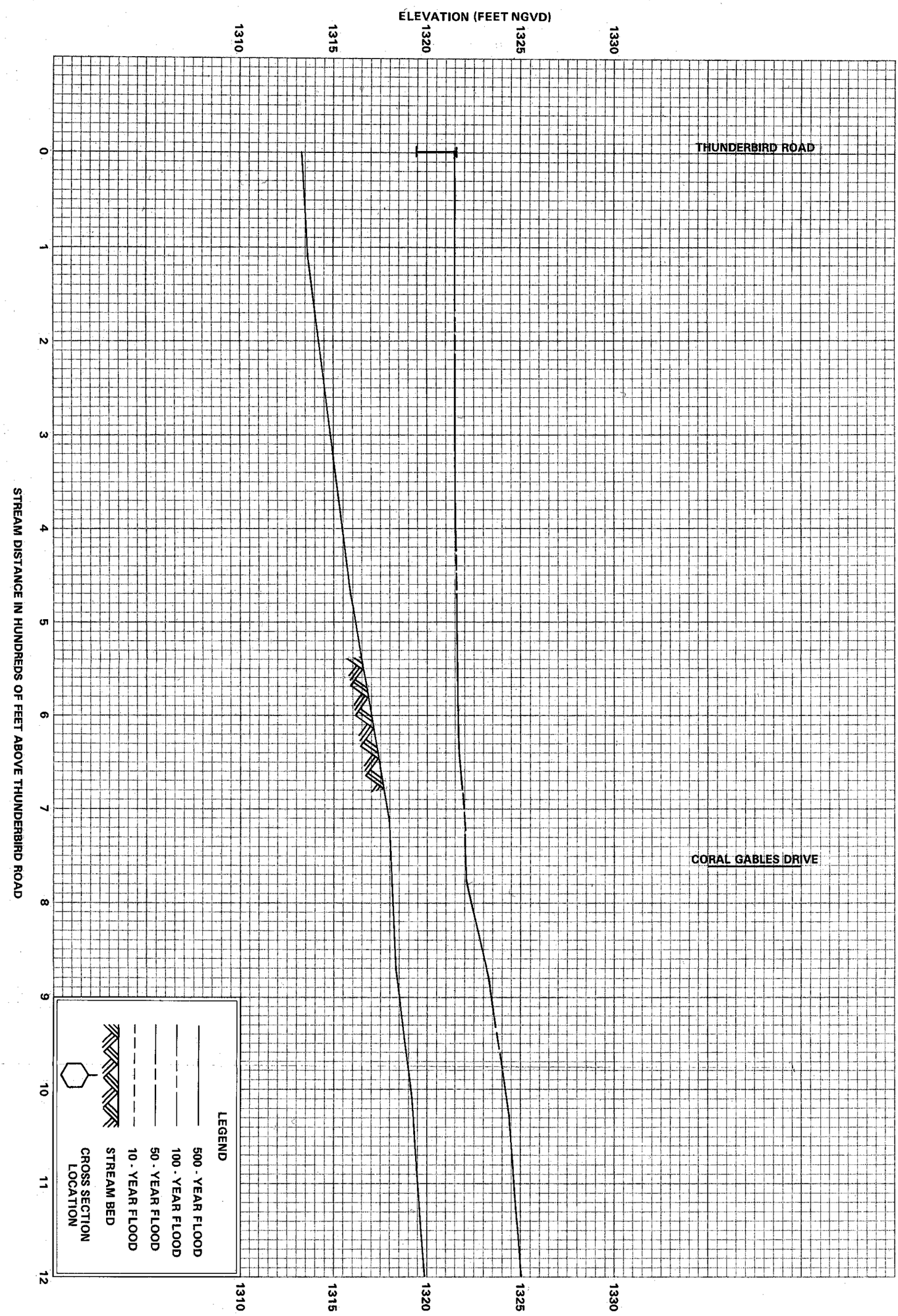
FLOOD PROFILES

WHITE TANKS #3 WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

843P

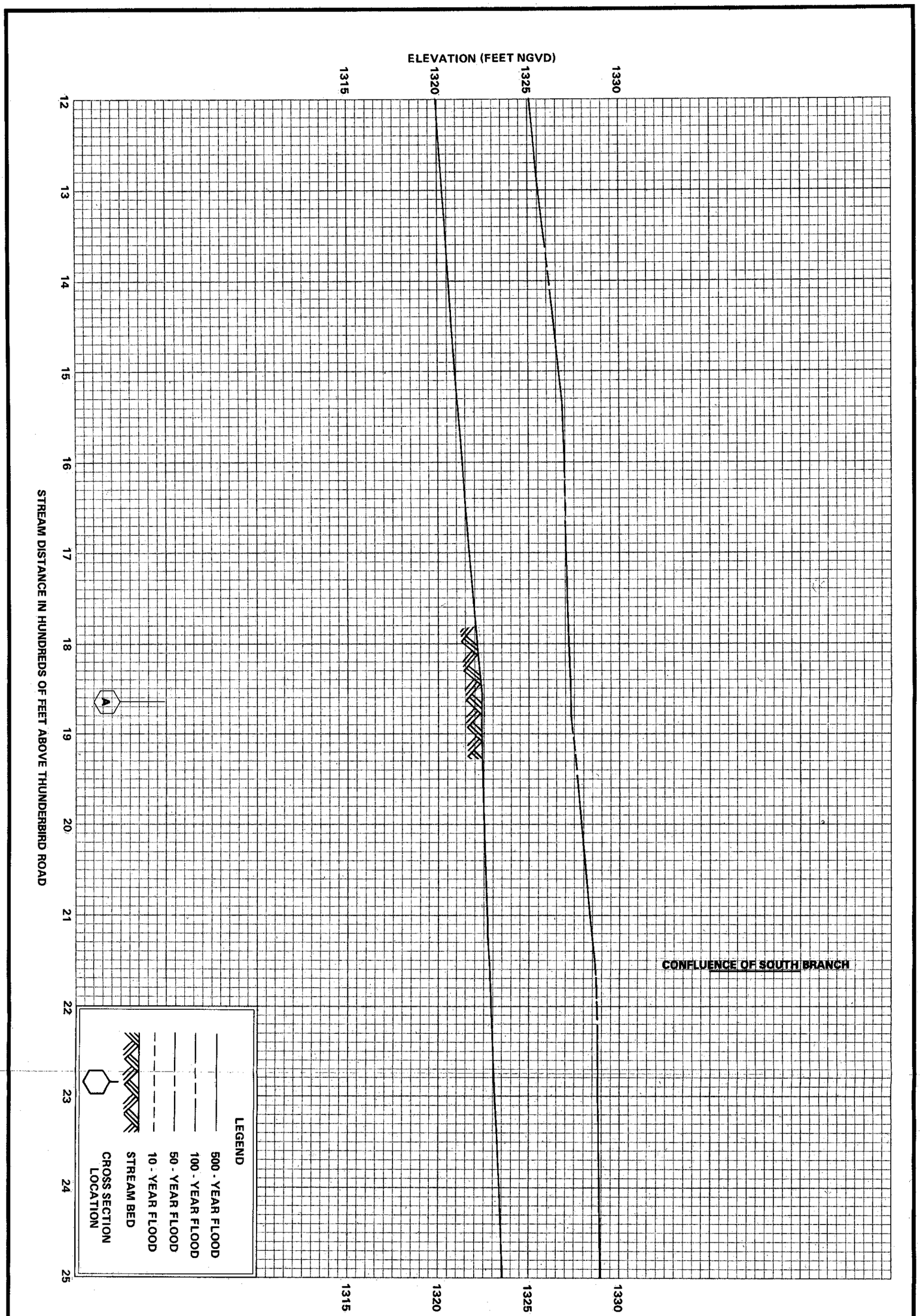


FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH



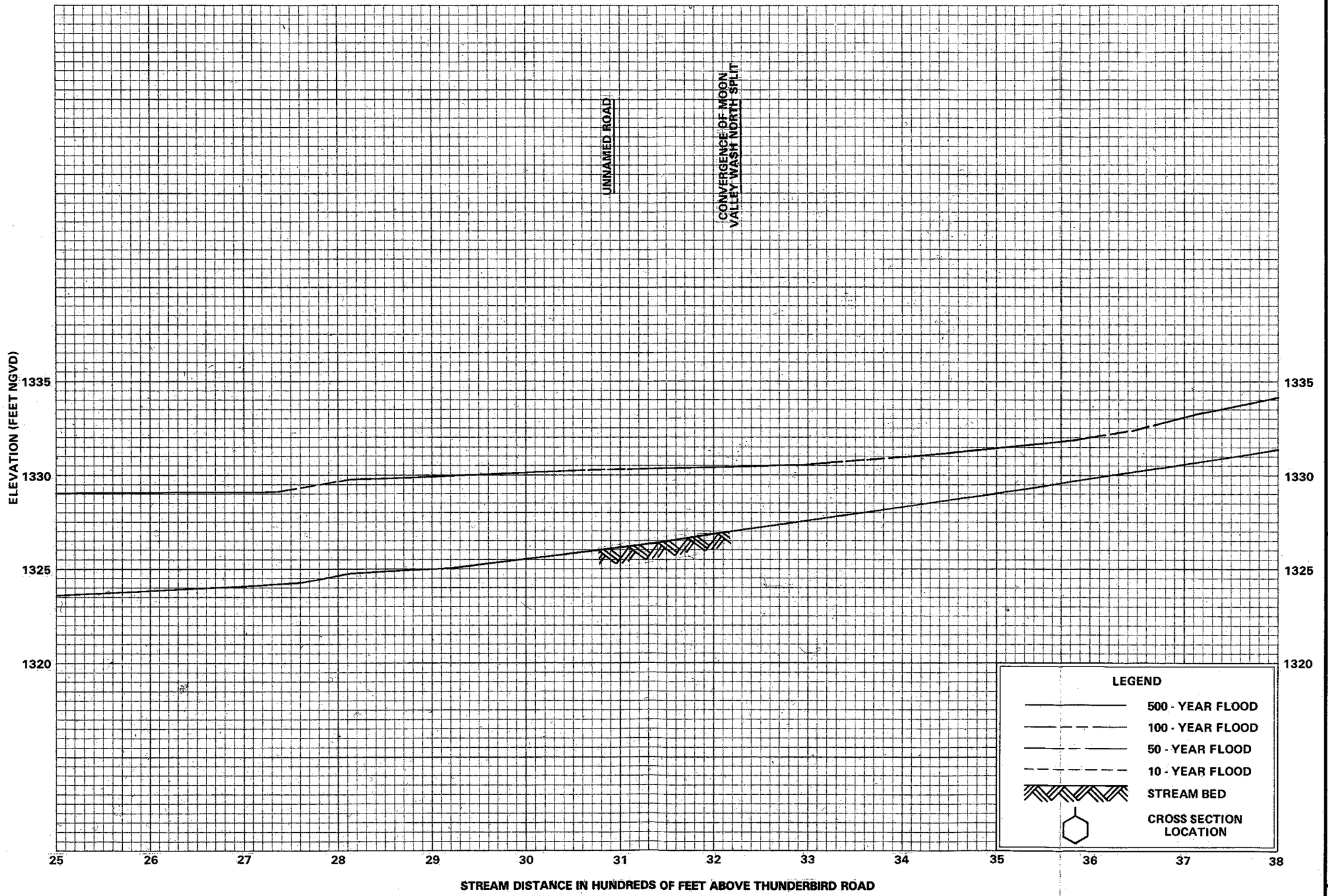
845P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH



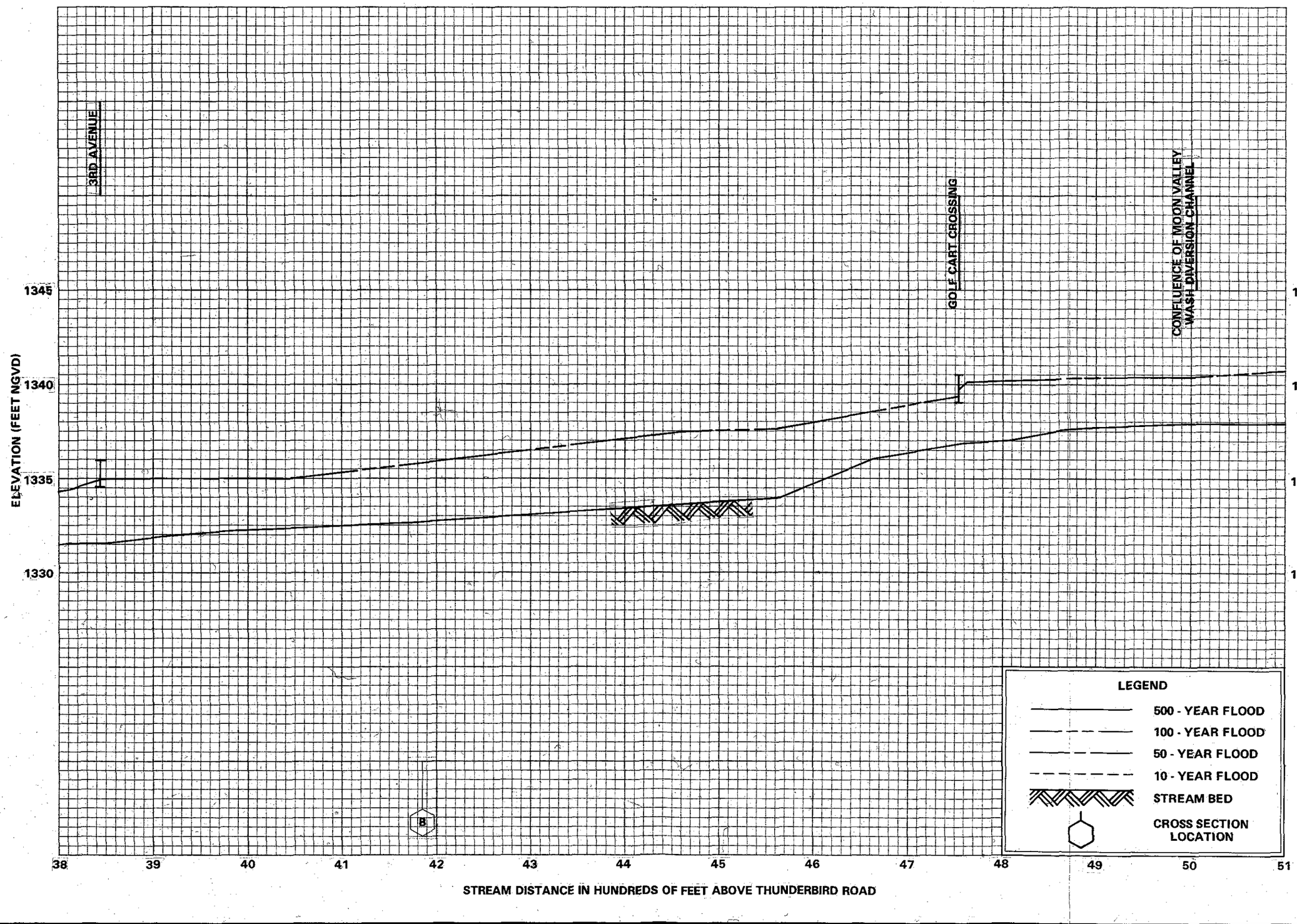
FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

846P



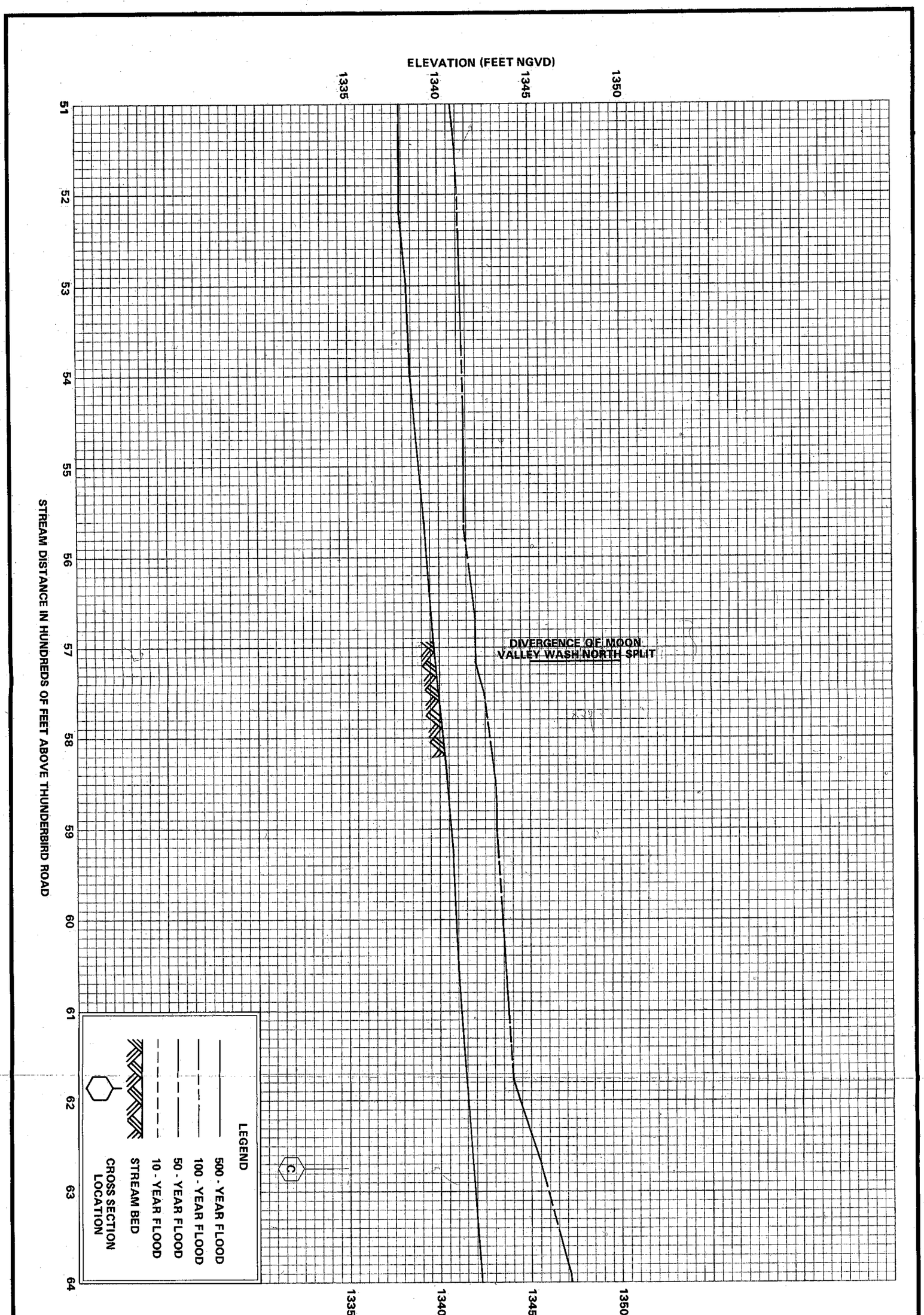
FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

847P



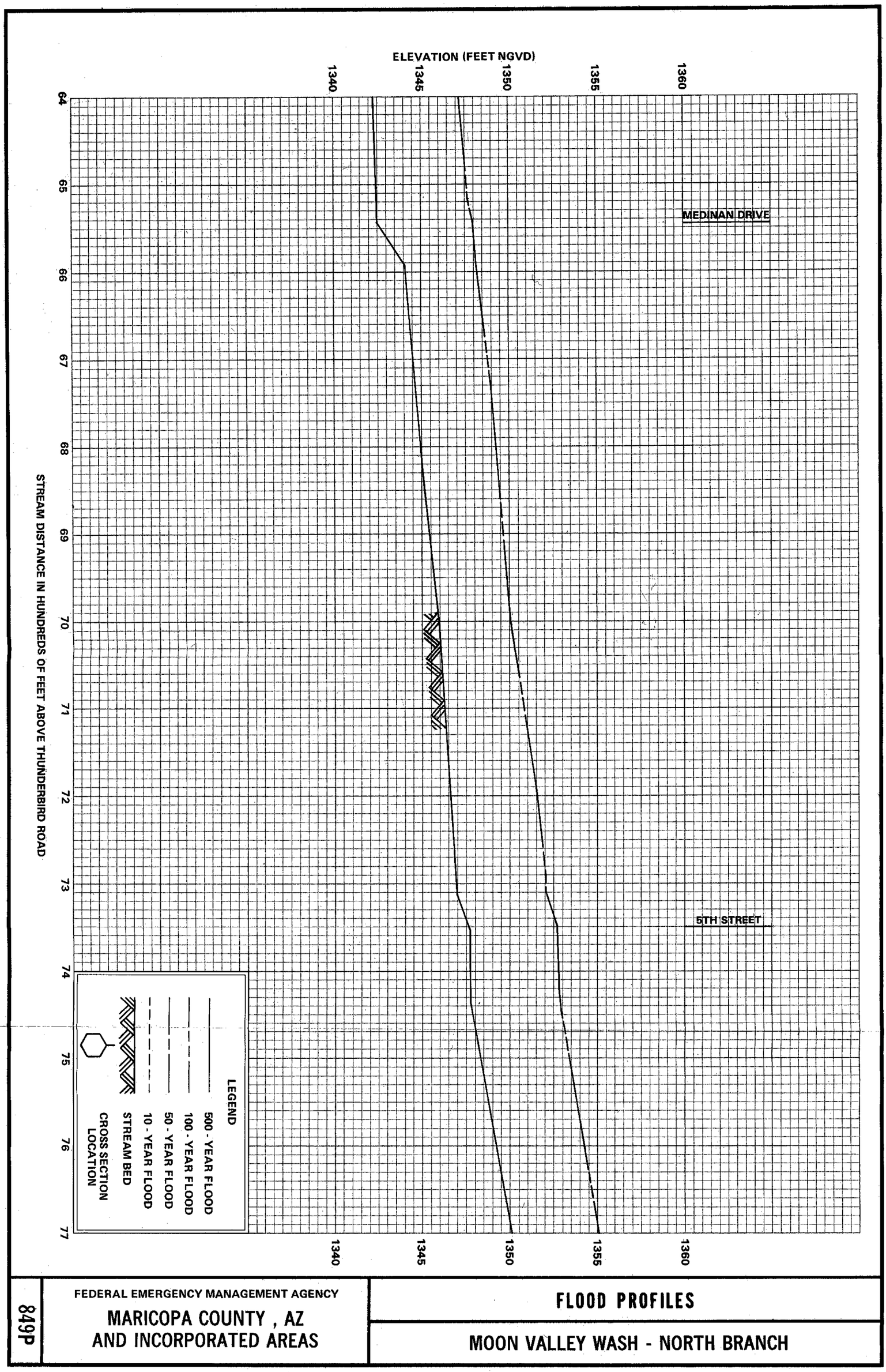
848P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH



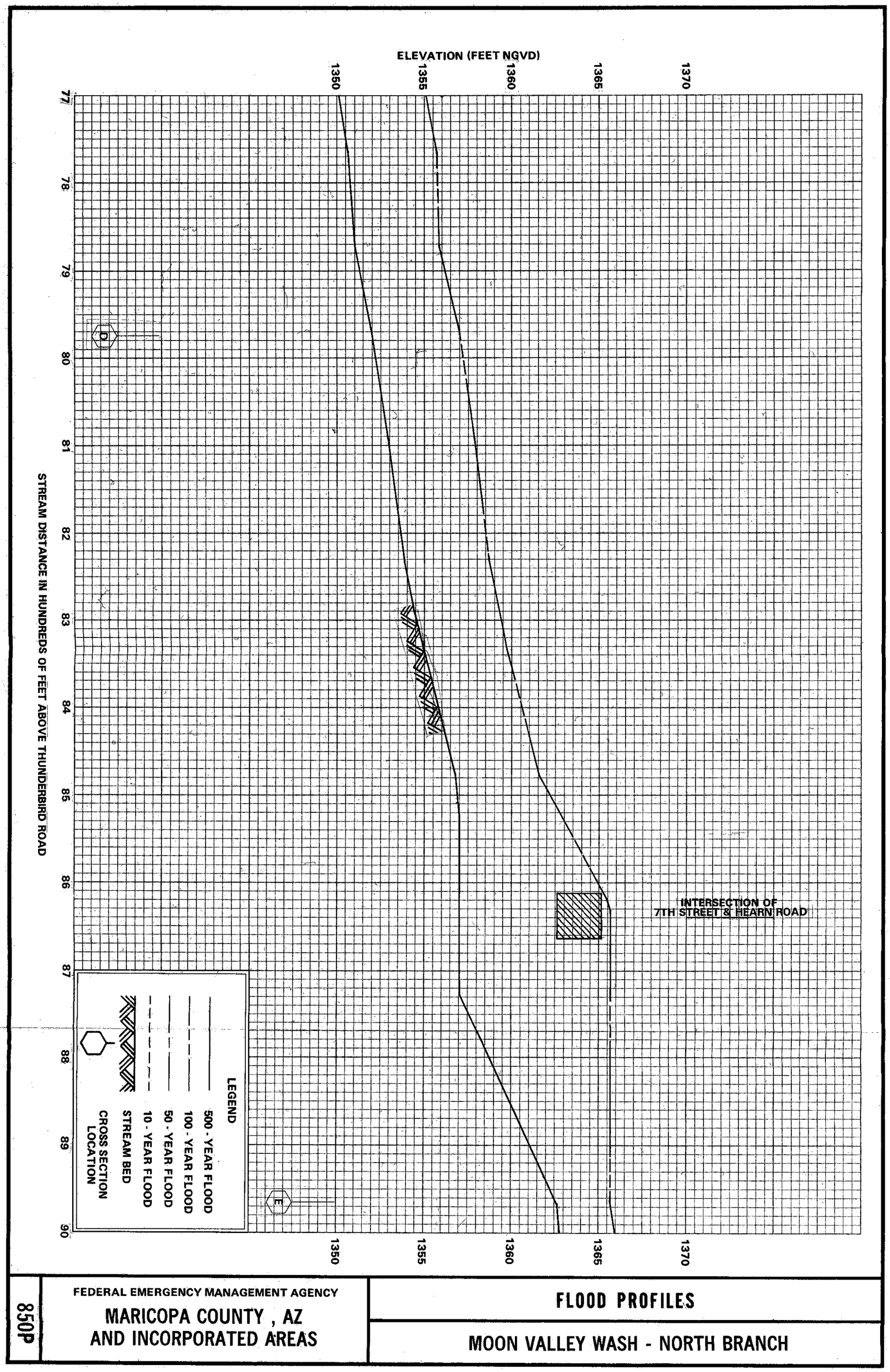
FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH

849P



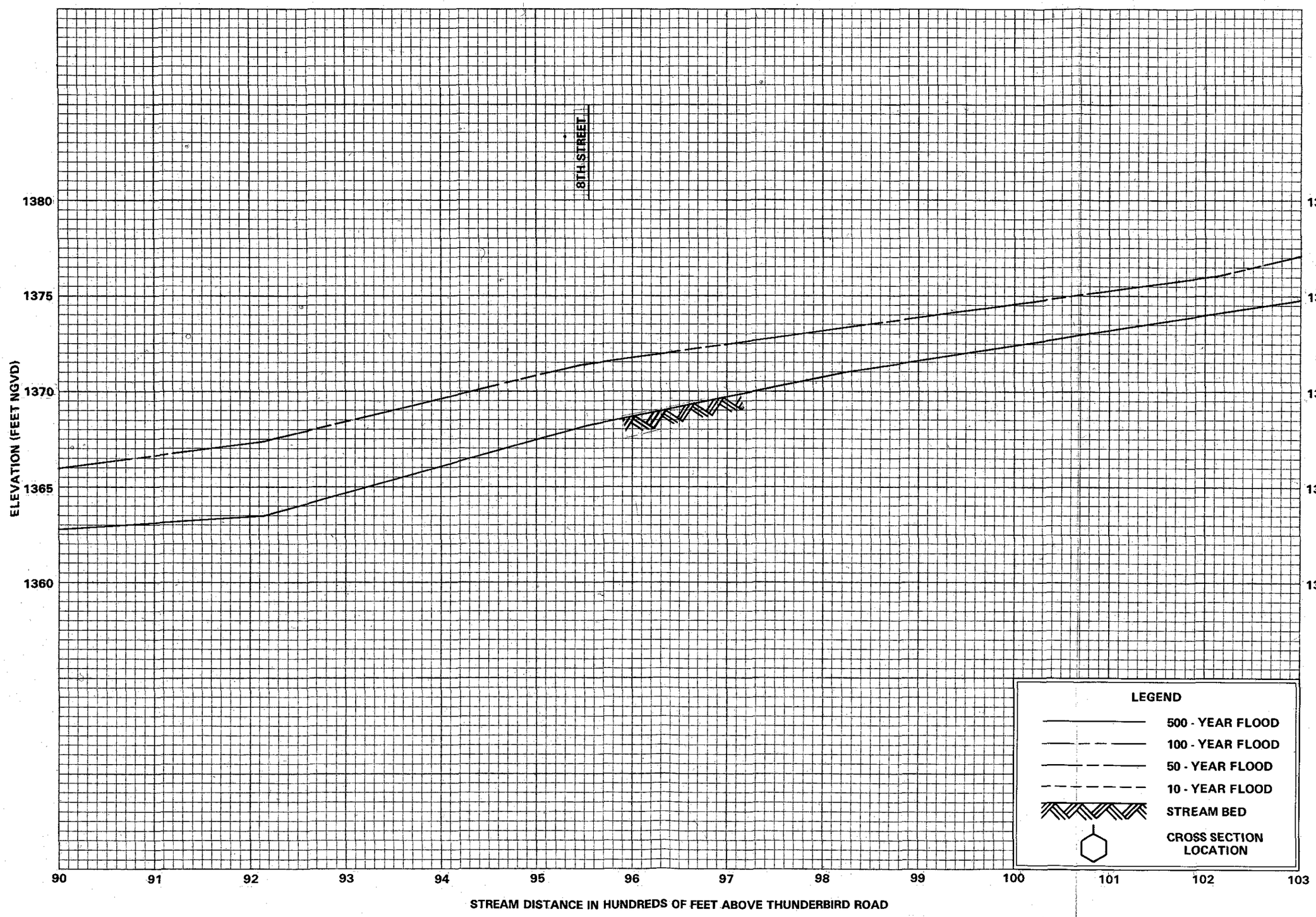
850P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH



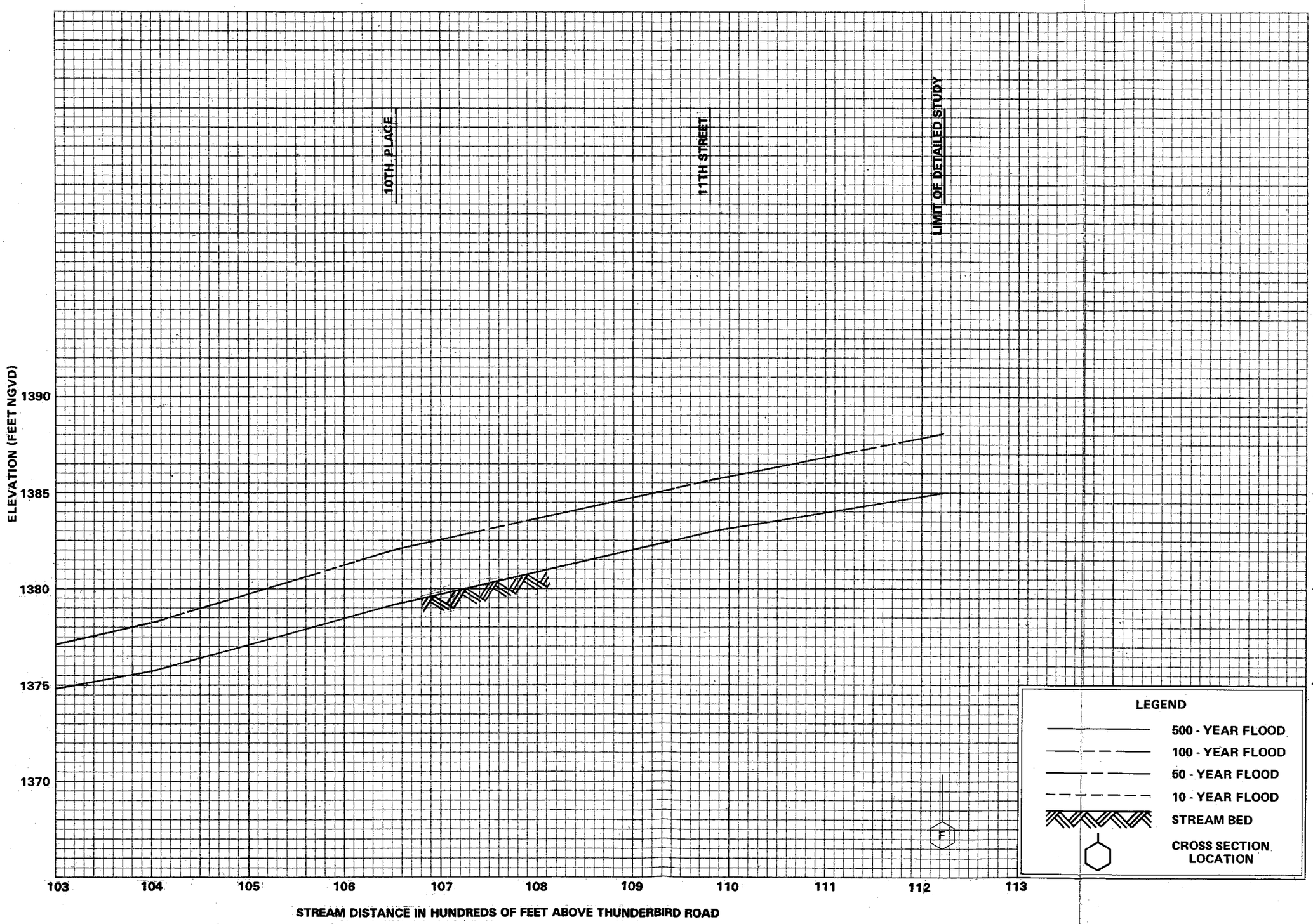
FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

851P



FLOOD PROFILES

MOON VALLEY WASH - NORTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

852P

CONVERGENCE WITH MOON VALLEY WASH NORTH BRANCH

ELEVATION (FEET NGVD)

1335

1330

1325

1335

1330

1325

LEGEND

500 - YEAR FLOOD

100 - YEAR FLOOD

50 - YEAR FLOOD

10 - YEAR FLOOD

STREAM BED

CROSS SECTION LOCATION

A

0 1 2 3 4 5 6 7 8 9 10

STREAM DISTANCE IN HUNDREDS OF FEET ABOVE CONFLUENCE WITH NORTH BRANCH

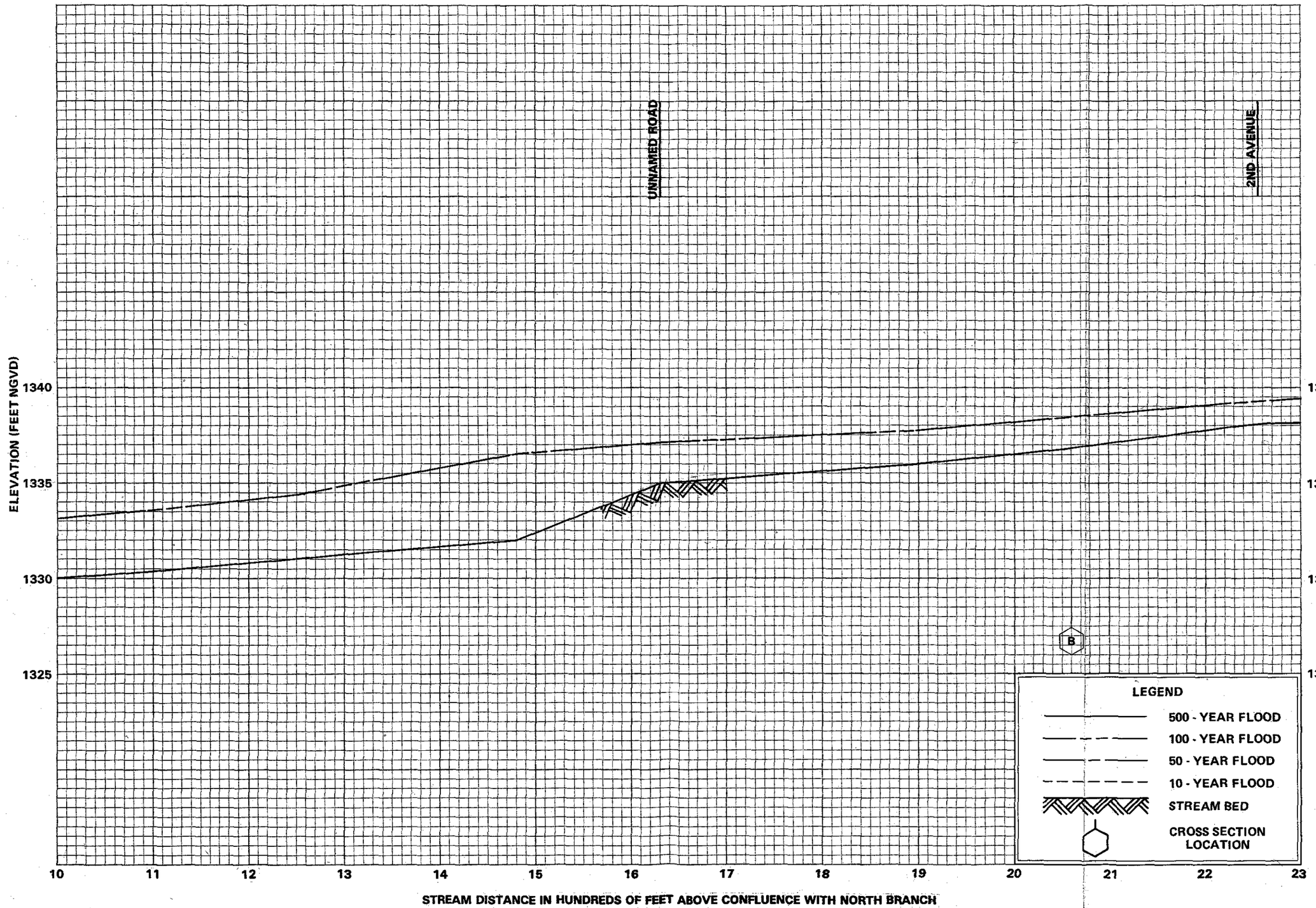
FLOOD PROFILES

MOON VALLEY WASH - NORTH SPLIT

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

853P



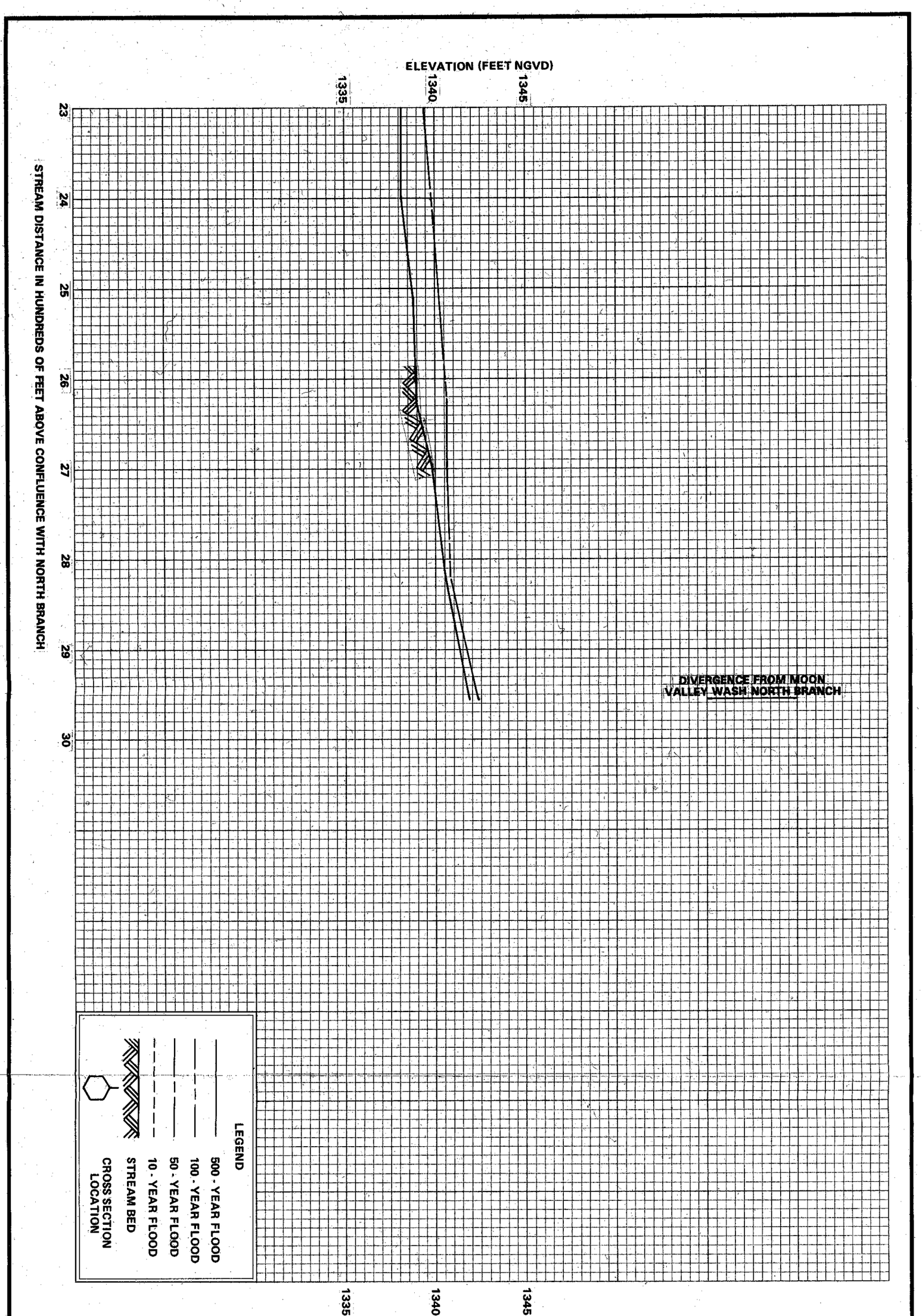
FLOOD PROFILES

MOON VALLEY WASH - NORTH SPLIT

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

854P



855P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - NORTH SPLIT

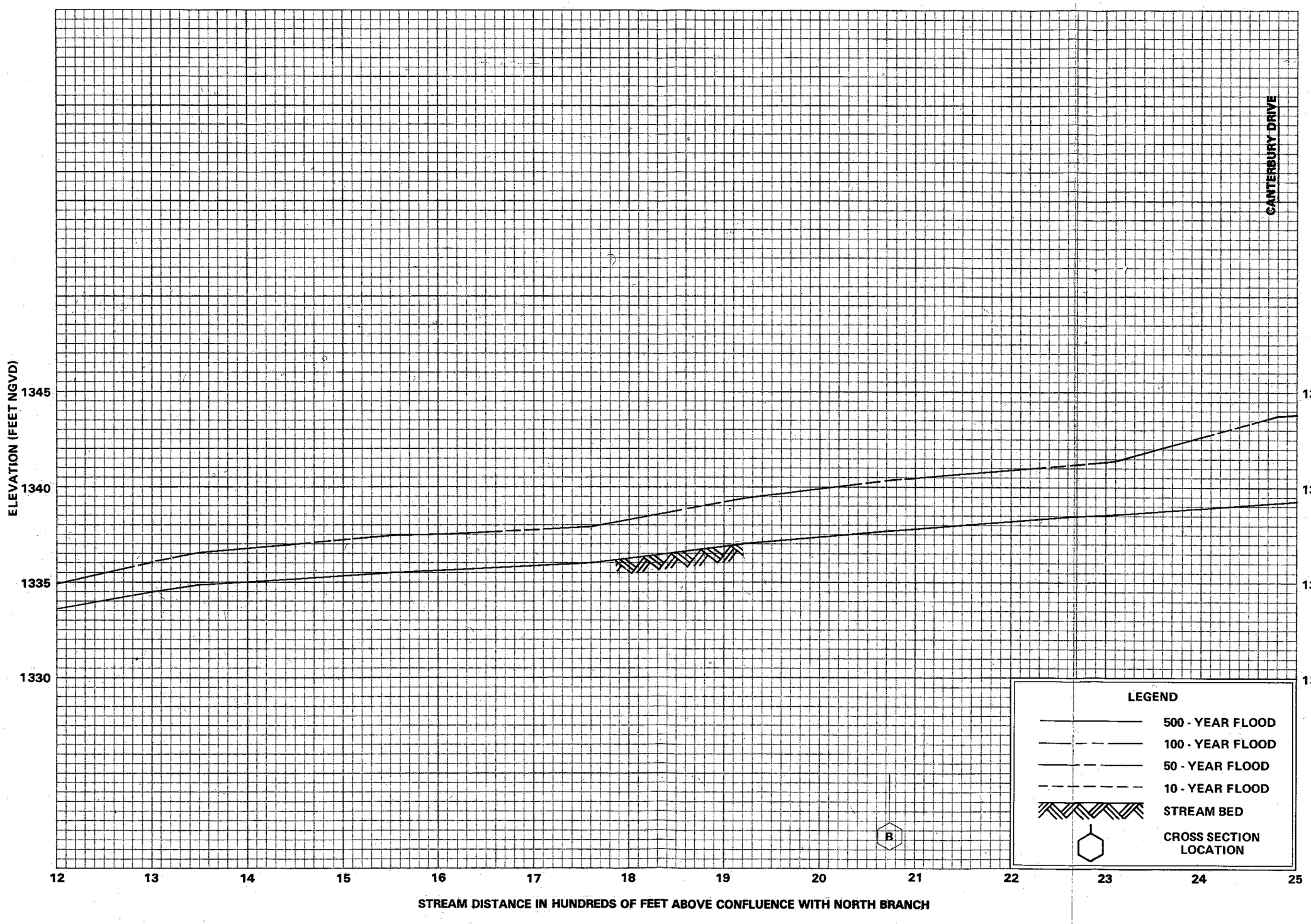
FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

856P



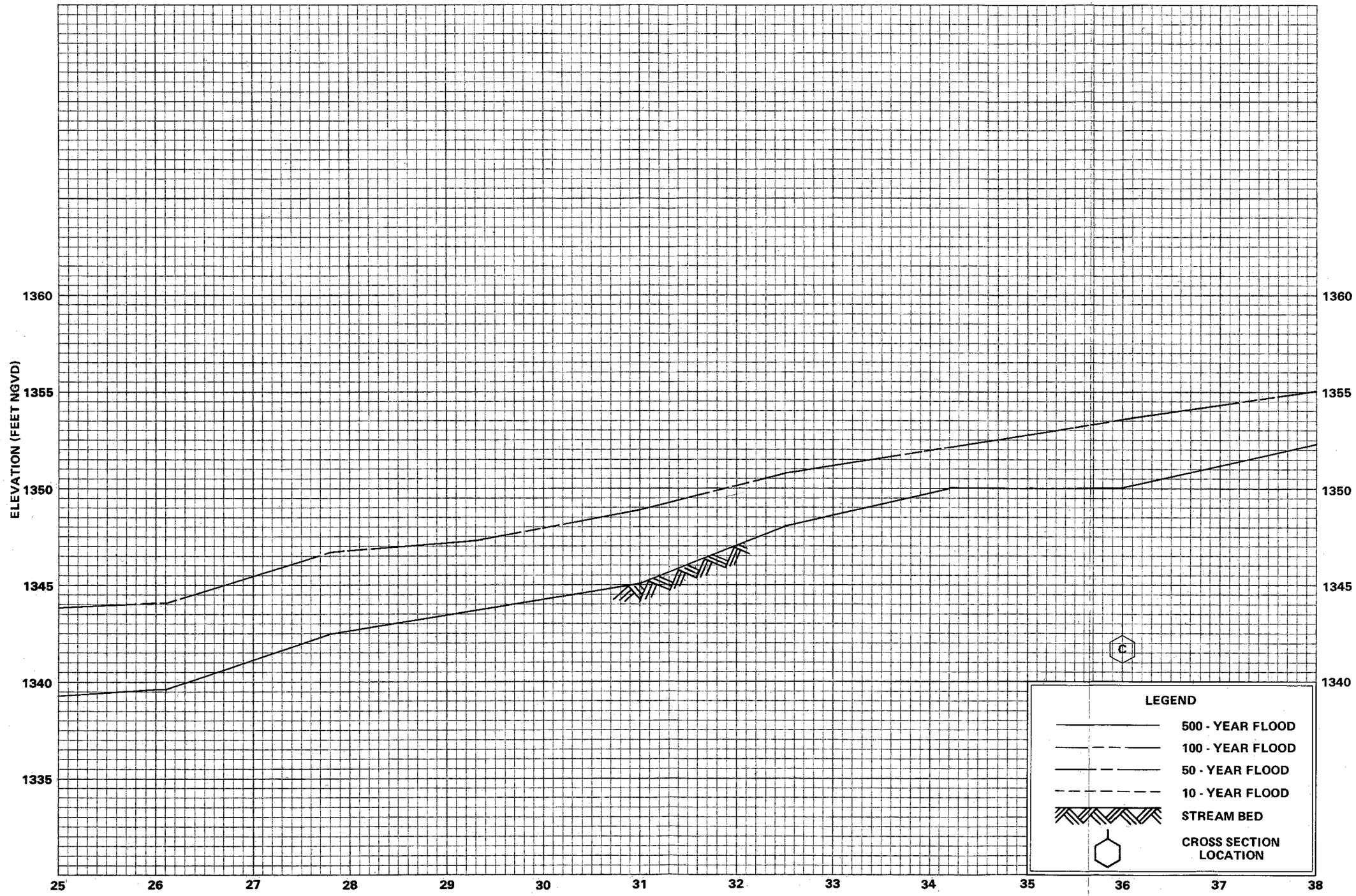
FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

857P



FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

858P

CONFLUENCE OF MOON VALLEY WASH DIVERSION CHANNEL

ELEVATION (FEET NGVD)

1370
1365
1360
1355
1350

38 39 40 41 42 43 44 45 46 47 48 49 50 51

STREAM DISTANCE IN HUNDREDS OF FEET ABOVE CONFLUENCE WITH NORTH BRANCH

LEGEND

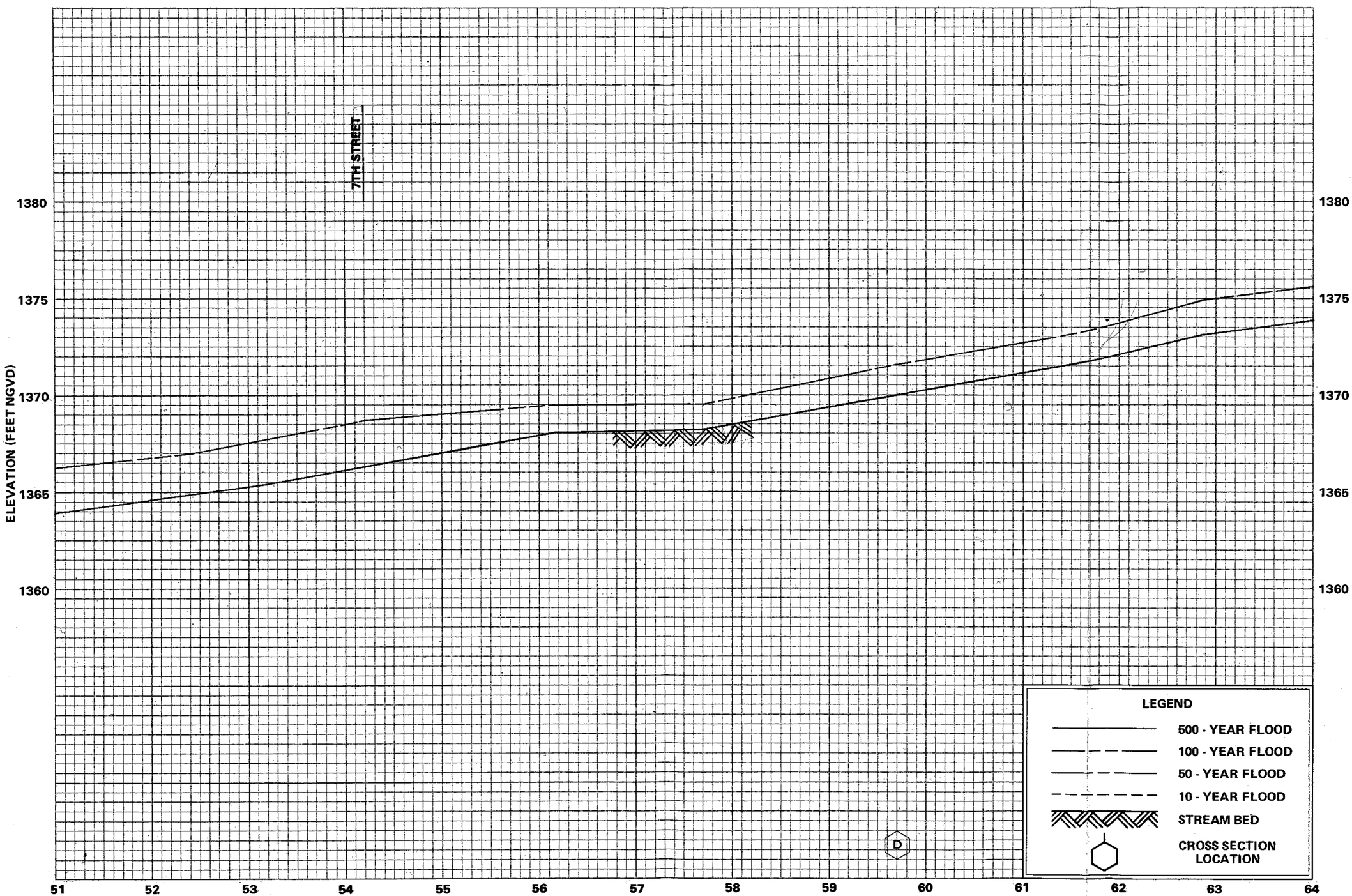
- 500 - YEAR FLOOD
- 100 - YEAR FLOOD
- 50 - YEAR FLOOD
- 10 - YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS



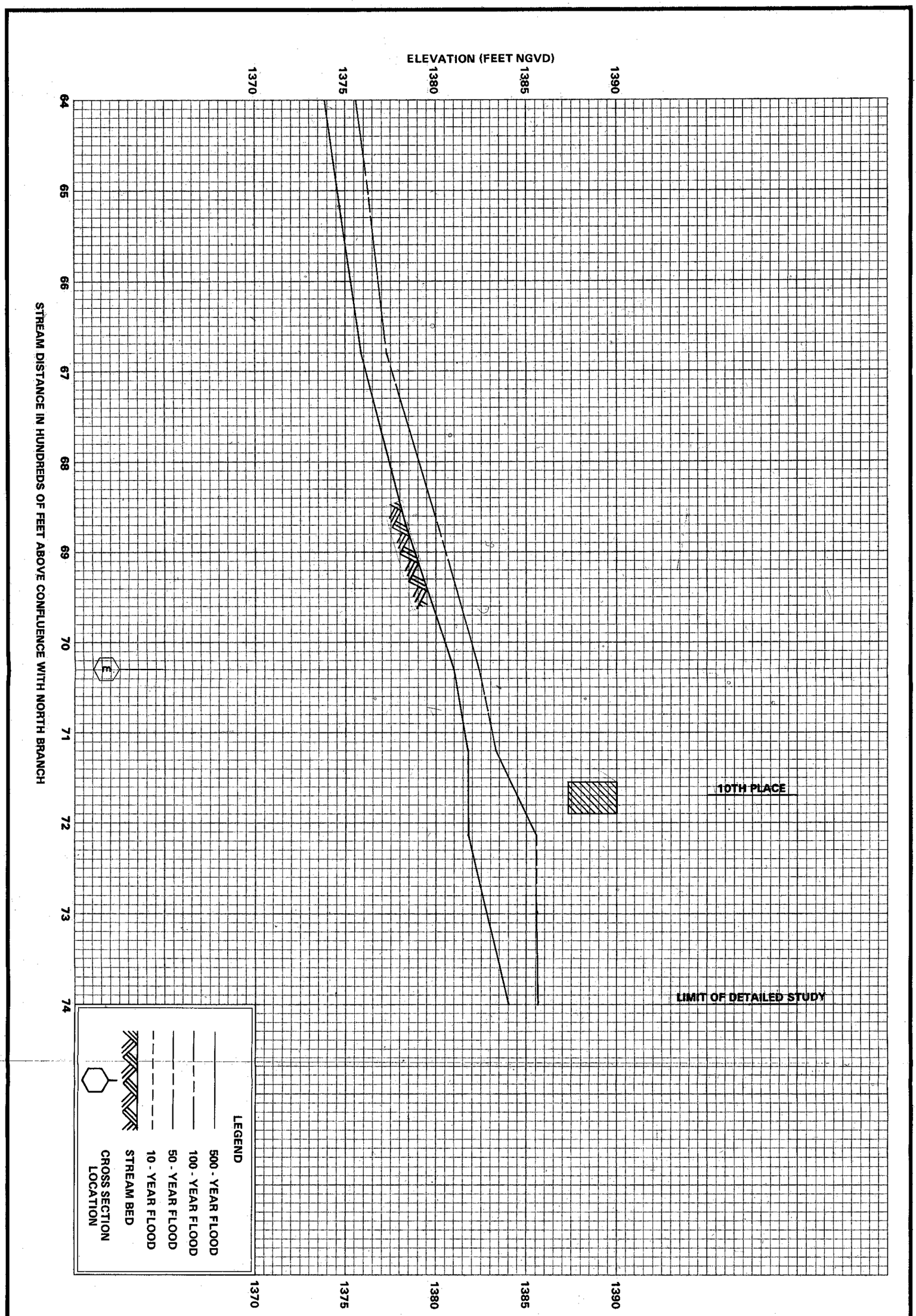
FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

860P



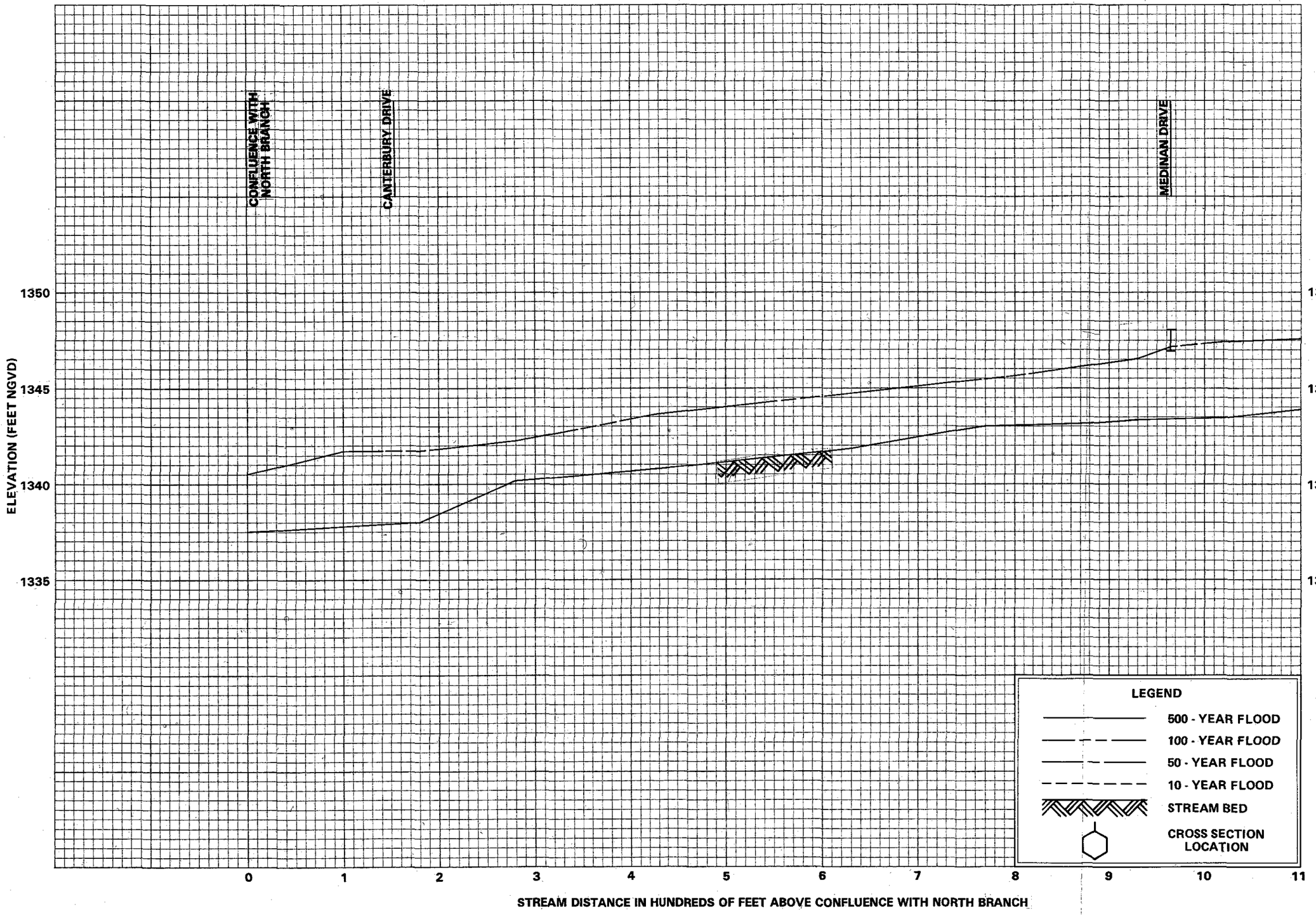
FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

FLOOD PROFILES

MOON VALLEY WASH - SOUTH BRANCH

861P



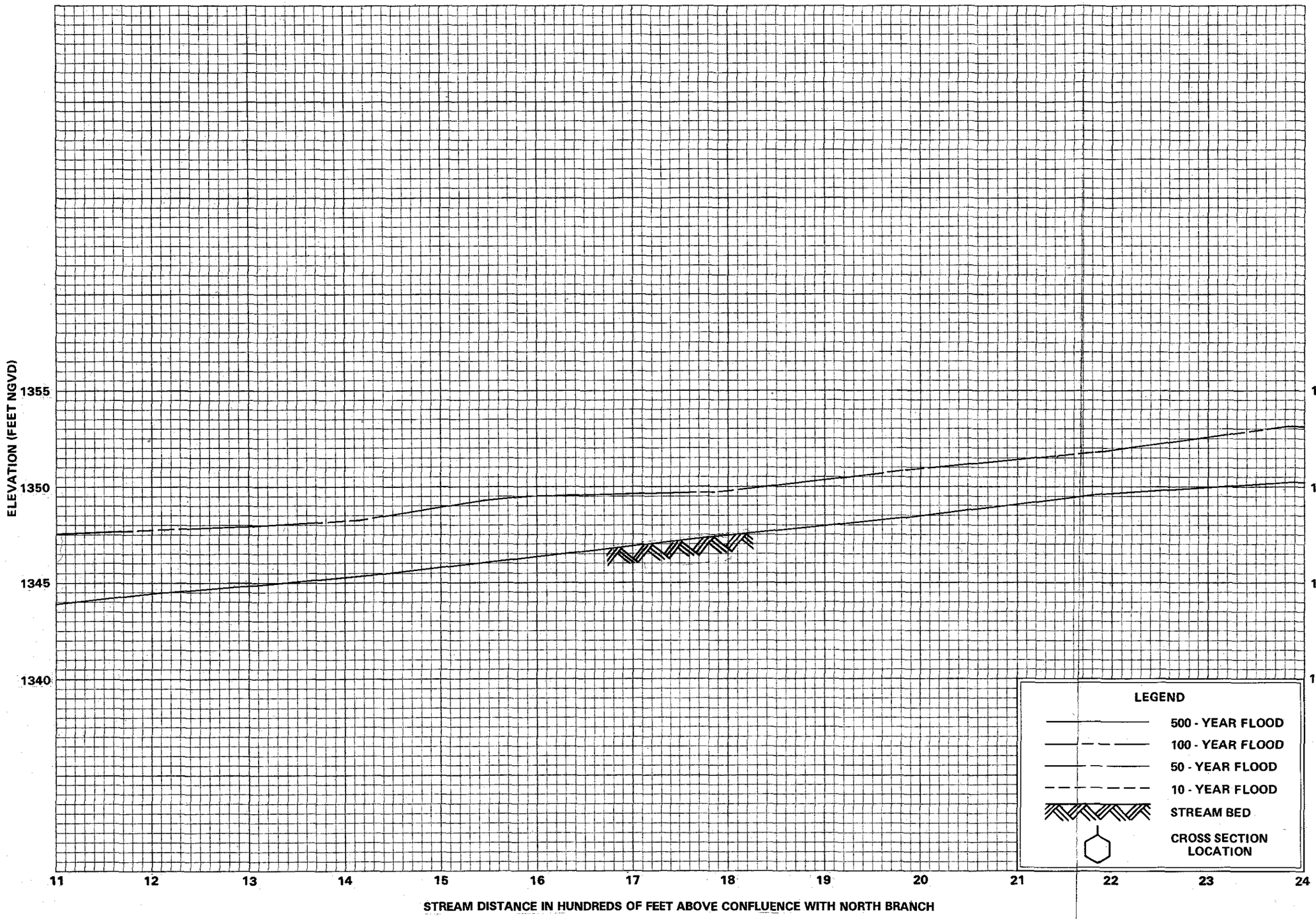
FLOOD PROFILES

MOON VALLEY WASH - DIVERSION CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS

862P



FLOOD PROFILES

MOON VALLEY WASH - DIVERSION CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ
AND INCORPORATED AREAS

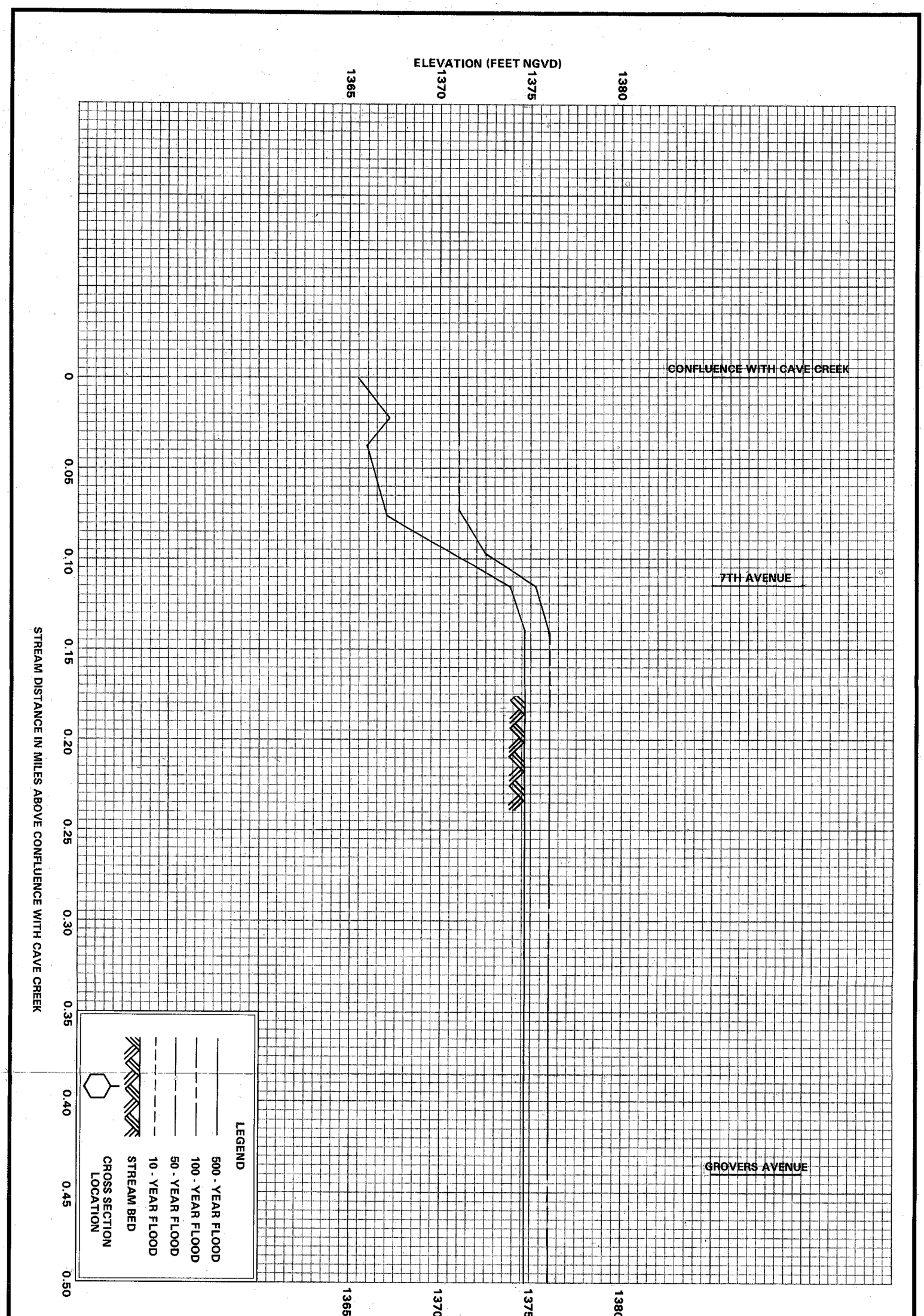
863P

FLOOD PROFILES

MOON VALLEY WASH - DIVERSION CHANNEL

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY , AZ
AND INCORPORATED AREAS



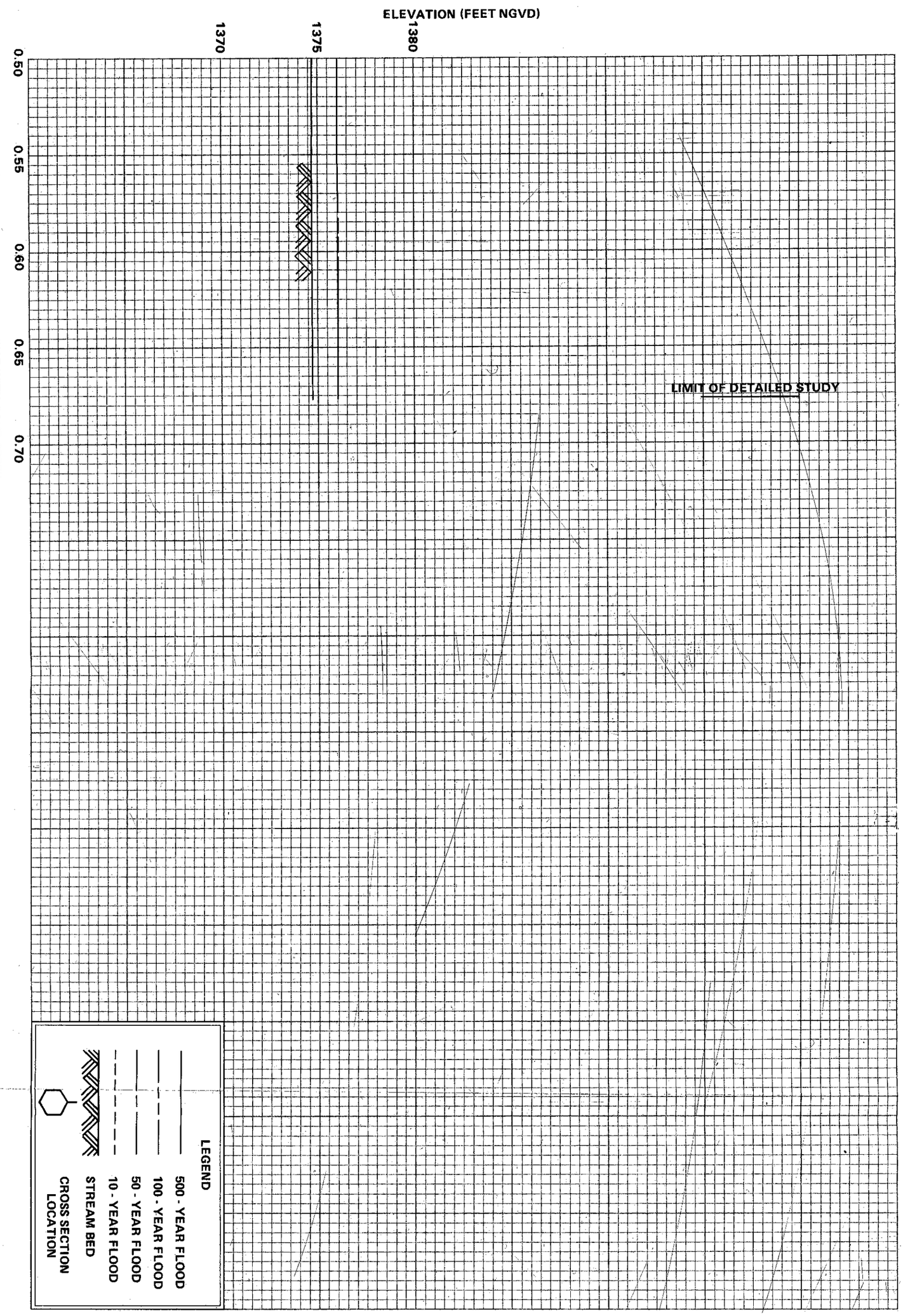
FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

CAVE CREEK WASH OVERFLOW CHANNEL

865P



866P

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ AND INCORPORATED AREAS

FLOOD PROFILES

CAVE CREEK WASH OVERFLOW CHANNEL

CONFLUENCE WITH ASHBROOK WASH

ARROW DRIVE

PALISADES BOULEVARD

FOUNTAIN HILLS BOULEVARD

ELEVATION IN FEET (NGVD)

1720
1700
1680
1660
1640
1620
1600
1580

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ASHBROOK WASH

A B C

LEGEND

- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FLOOD PROFILES

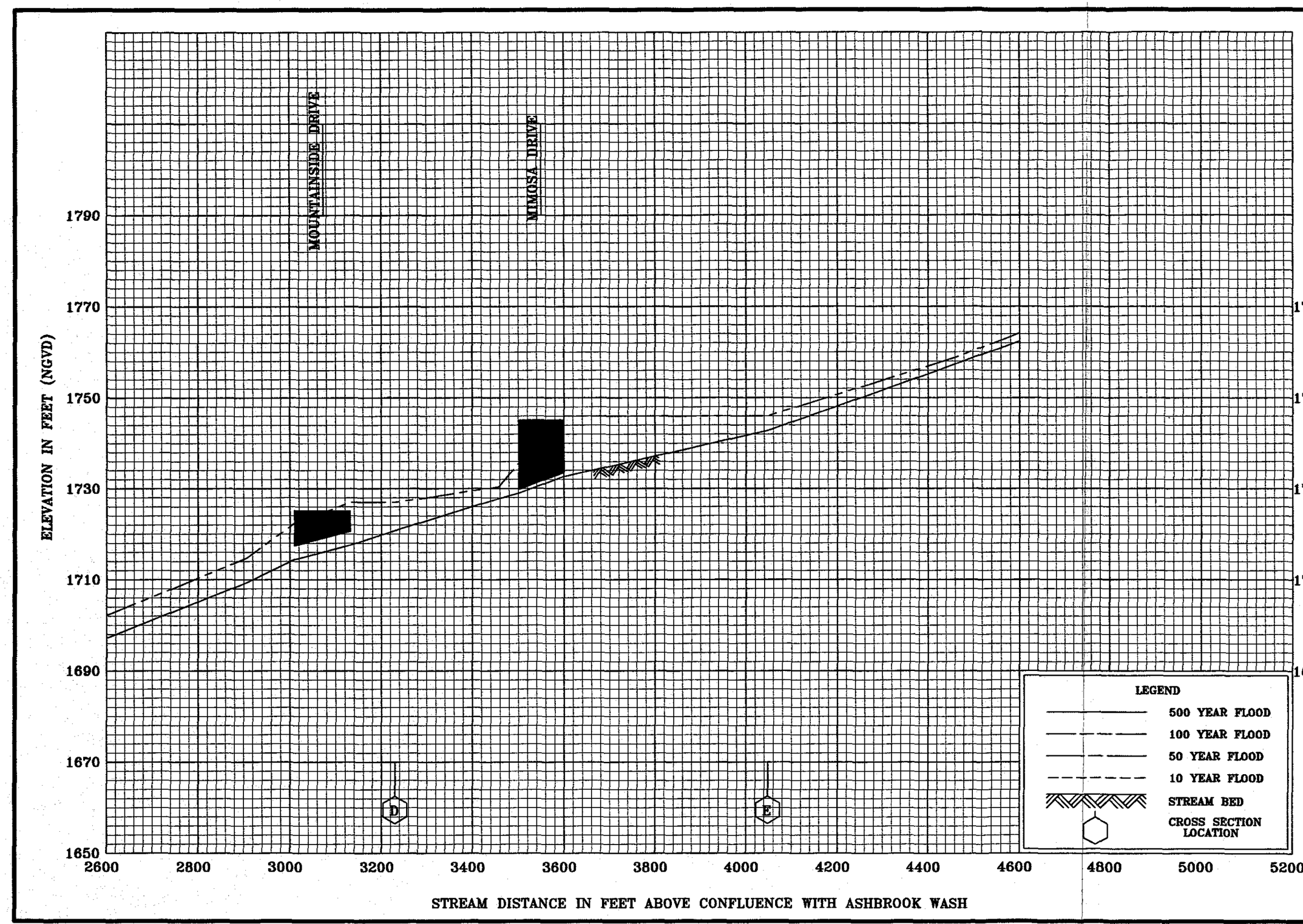
ARROW WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

867P



FLOOD PROFILES

ARROW WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

868P

FLOOD PROFILES

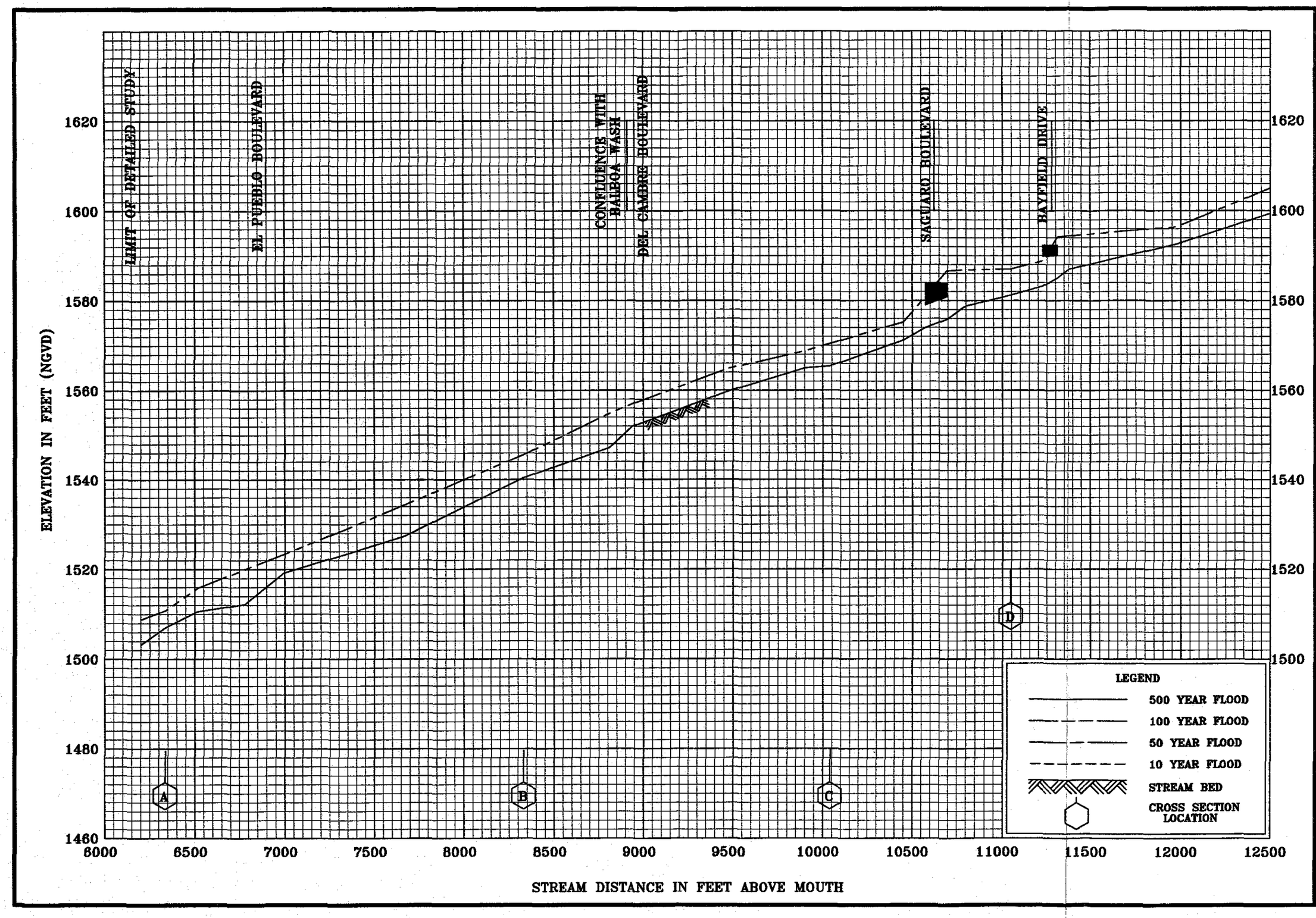
ARROW WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

869P



FLOOD PROFILES

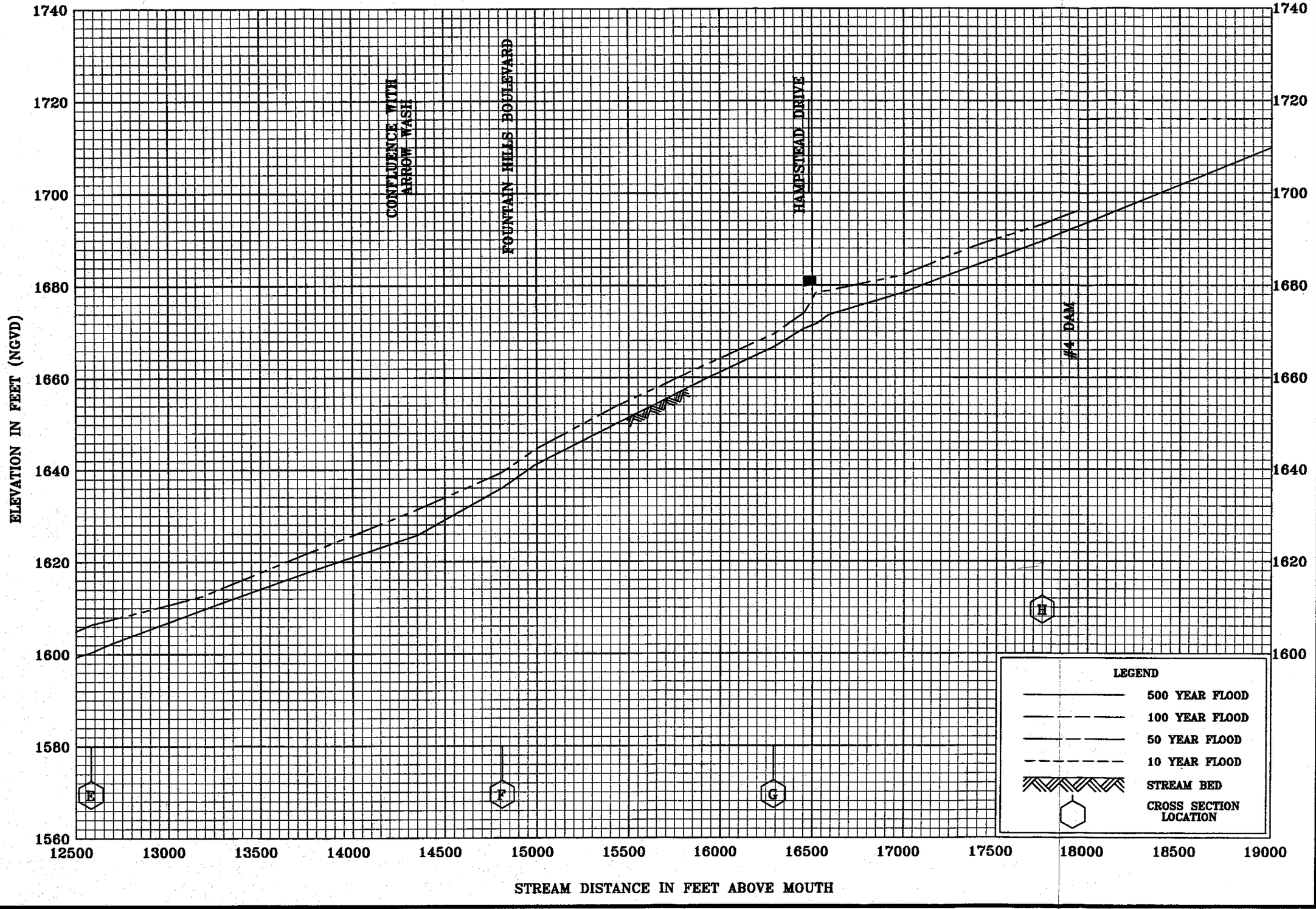
ASHBROOK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

870P



FLOOD PROFILES

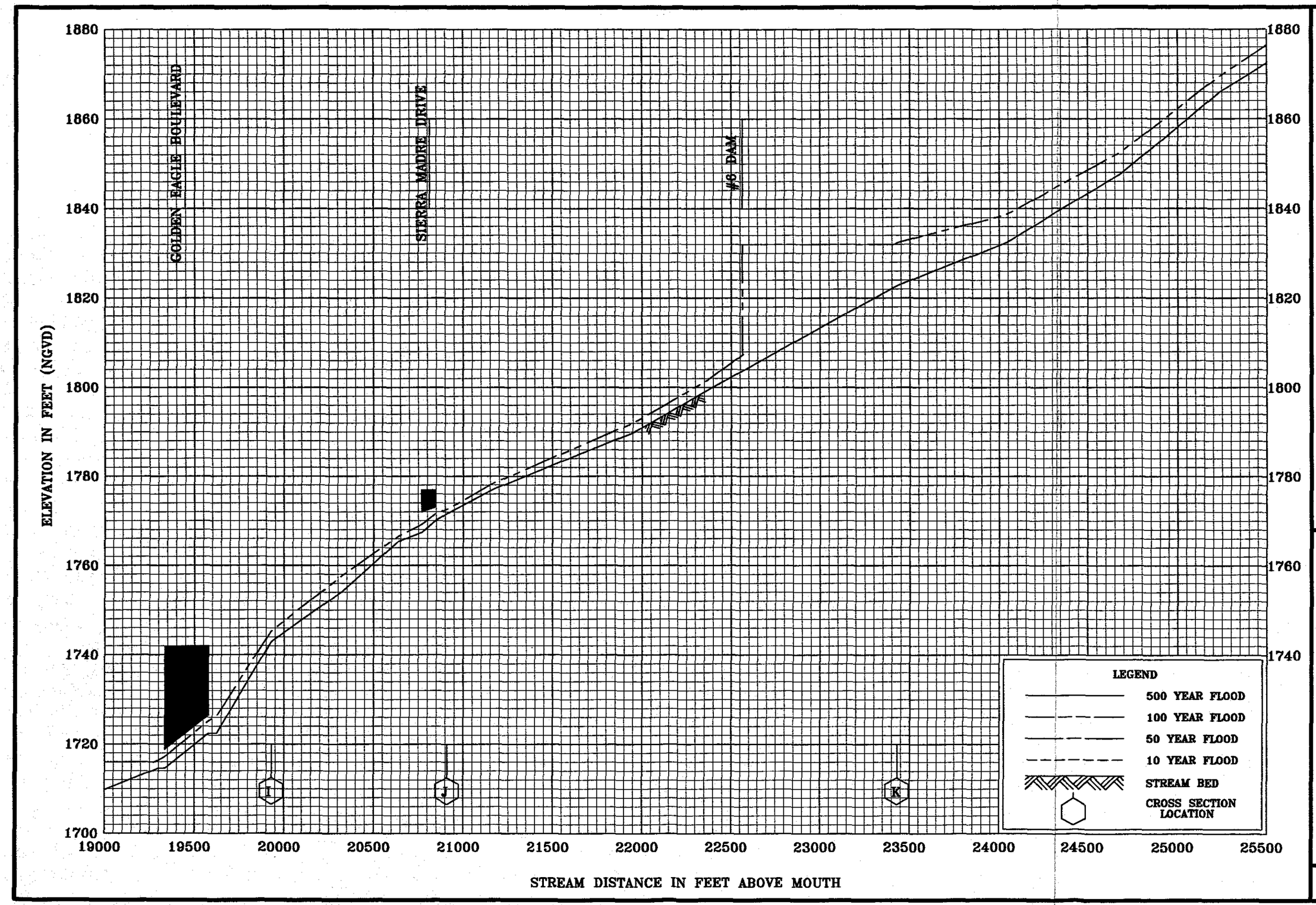
ASHBROOK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

871P



FLOOD PROFILES

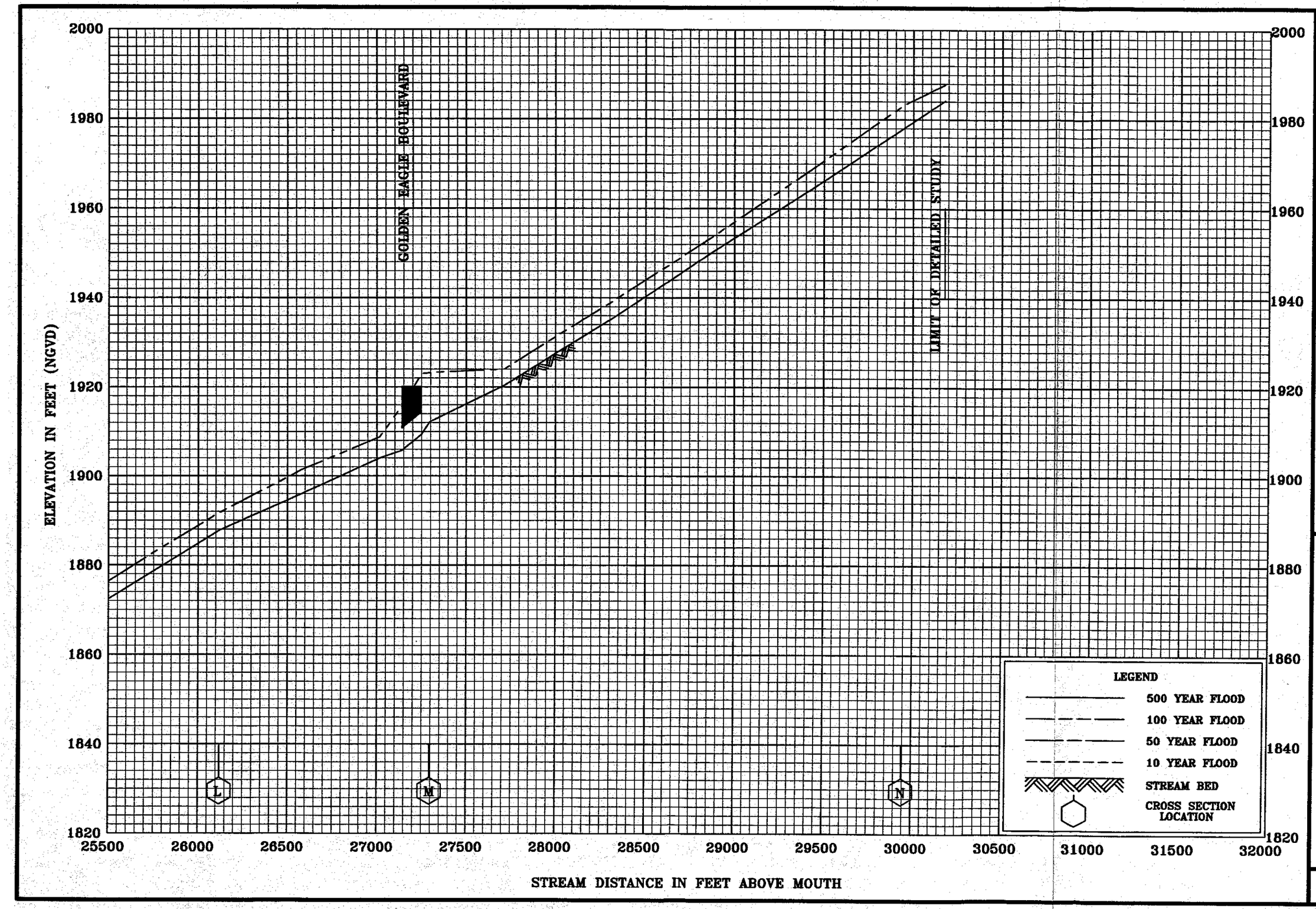
ASHBROOK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

872P



FLOOD PROFILES

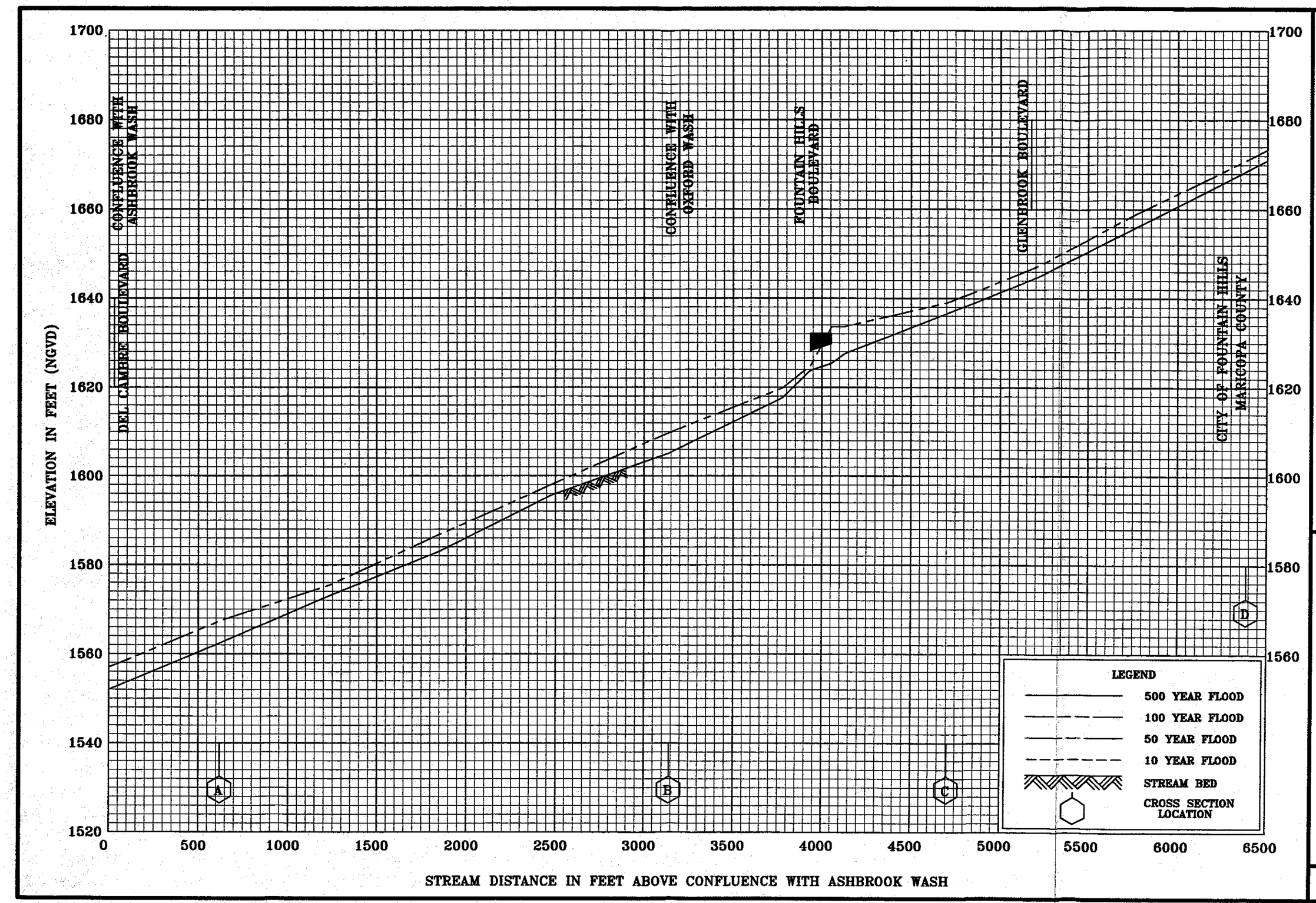
ASHBROOK WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

873P



FLOOD PROFILES

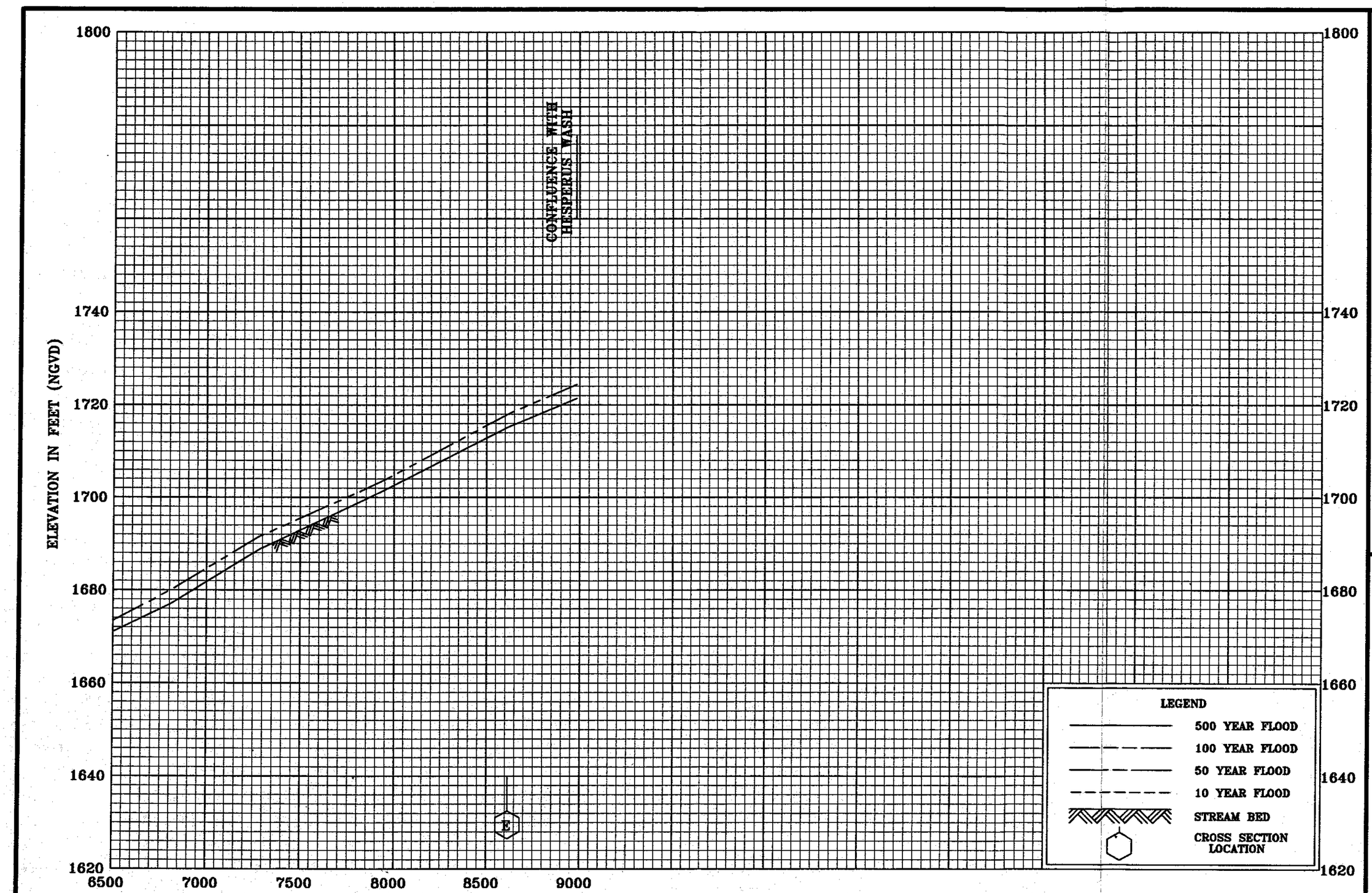
BALBOA WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

874P



FLOOD PROFILES

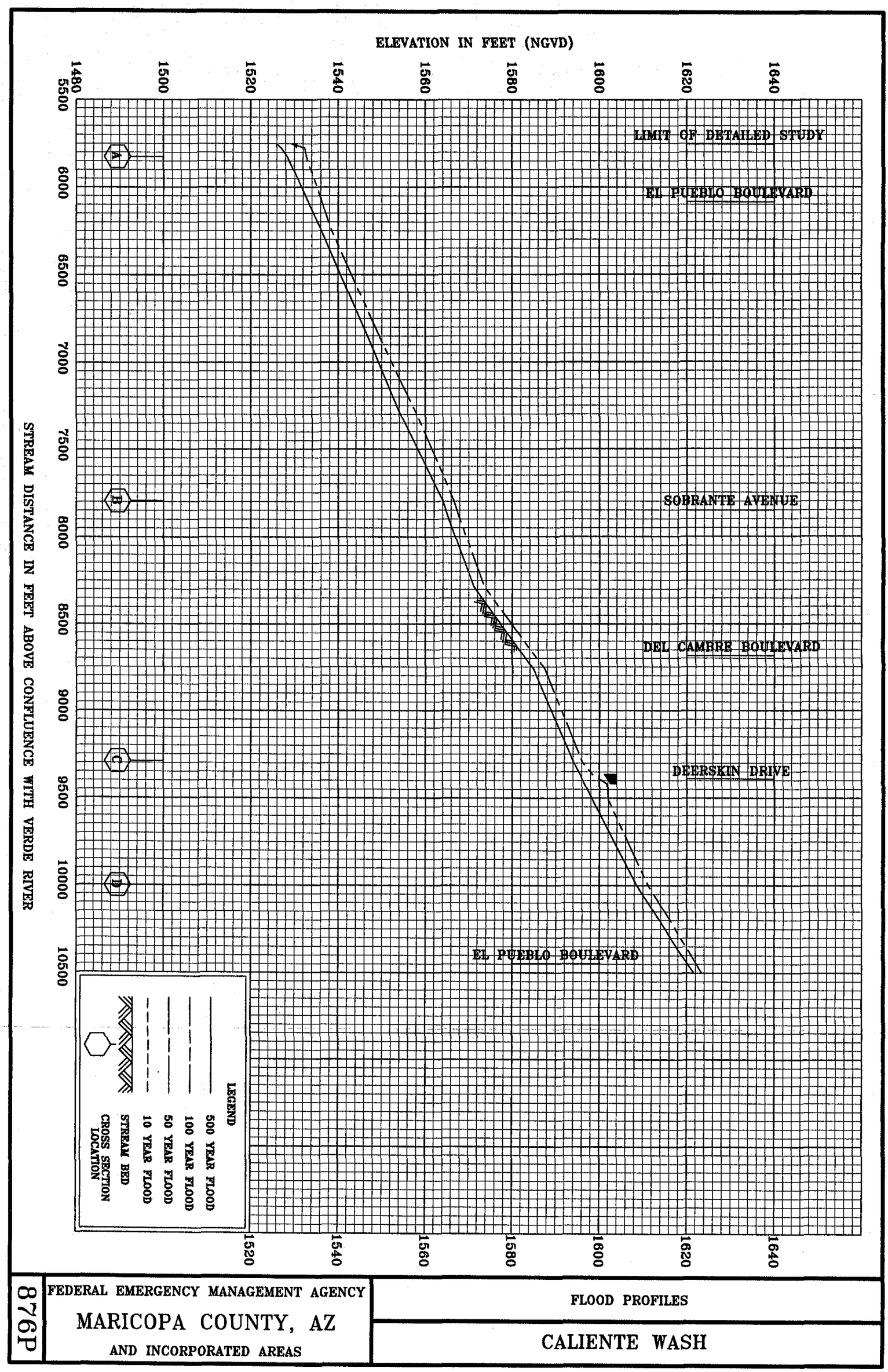
BALBOA WASH

FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

875P



876P

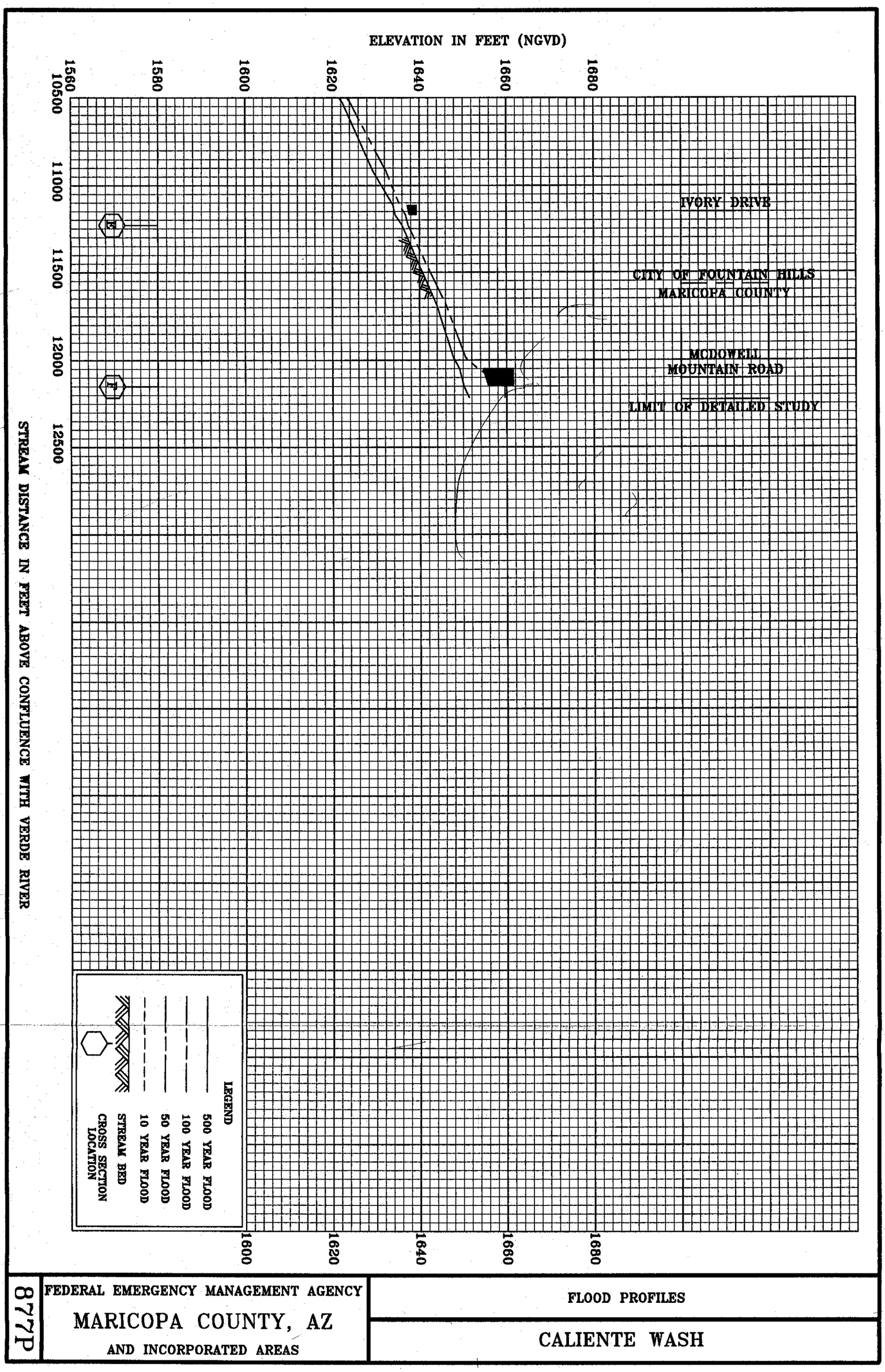
FEDERAL EMERGENCY MANAGEMENT AGENCY

MARICOPA COUNTY, AZ

AND INCORPORATED AREAS

FLOOD PROFILES

CALIENTE WASH



87P	FEDERAL EMERGENCY MANAGEMENT AGENCY MARICOPA COUNTY, AZ AND INCORPORATED AREAS	FLOOD PROFILES CALIENTE WASH