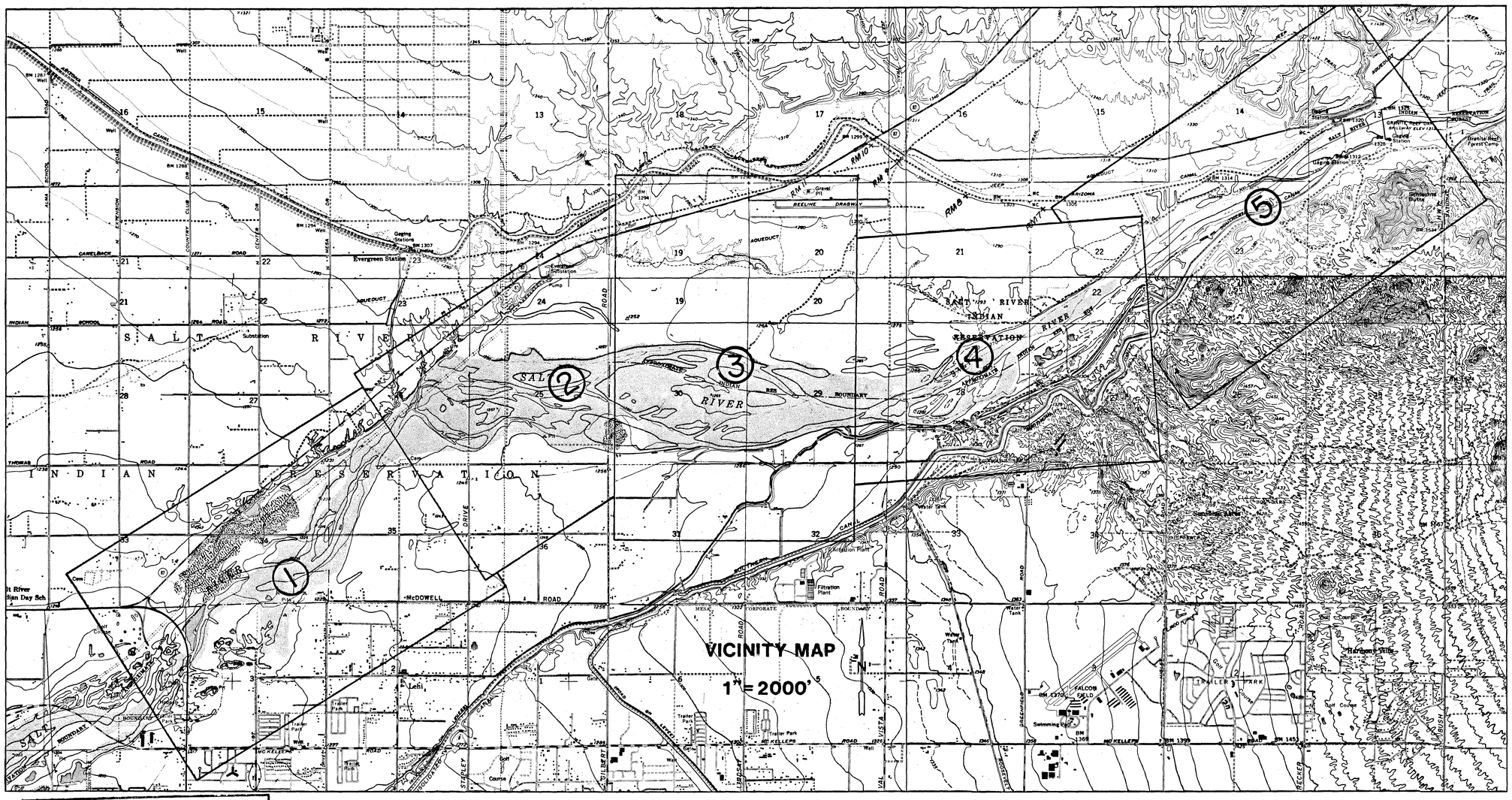
# FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

## D.E. SAGRAMOSO, CHIEF ENGINEER AND GENERAL MANAGER

# SALT RIVER FLOOD DELINEATION STUDY

## COUNTRY CLUB DRIVE TO GRANITE REEF DAM




CENTRAL FILES
DRAWING # 301

SALT RIVER/COUNTRY CLUB TO GRANITE REEF DAM W/WO GILBERT RD BRIDGE
BURGESS & NIPLE
STUDY 1988 FLOWN 1984

Burgess & Niple, Inc.
Engineers and Architects

STUDY DATE: 1988
MAPPING DATE: 1984
KENNY AERIAL MAPPING, INC.

EXISTING CONDITION – GILBERT ROAD AS LOW CROSSING

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

**LEGEND**

- 100-Year Flood Limits
- Floodway Limits
- 34.5 — Distance In Miles Upstream From Confluence With Gila River
- E — Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

H.C. 4
1257.98

RM 20

VC 2
1225.39

RM 19

RM 18

Zone X

Zone AE

ERODABLE FILL

1223.74

1214.15

1211.65

1228.16
VC 2A

1234.40

1239.26

Mc DOWELL

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

COUNTRY CLUB DR.

ALMA SCHOOL RD.

CENTER ST.

LEHI RD.

MESA DR.

OAK ST.

MAPLE ST.

RM 29.355
1213.3 N
1218.3 F

RM 29.221
1221.5 N
1221.9 F

RM 29.017
1221.0 N
1221.5 F

RM 28.831
1218.0 N
1218.5 F

RM 28.606
1215.0 N
1215.5 F

RM 29.473
1223.1 N
1224.1 F

RM 29.678
1224.3 N
1224.8 F

RM 29.981
1225.6 N
1225.9 F

RM 30.144
1230.7 N
1230.7 F

RM 30.458
1233.0 N
1234.1 F

RM 30.815
1236.1 N
1236.1 F

RM 31.028
1238.9 N
1238.9 F

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

INDEX
1 2 3 4 5

E. 524,000
E. 528,000
E. 532,000
N. 900,000

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects
bn 1912

0' 200' 400' 800'

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

DIP CROSSING @ GILBERT

Zone X
Zone AE
Zone AE
Zone X
Zone X
Zone AE
Zone X
RM 14
RM 15
RM 16
RM 14
RM 13
1265.24
VC 5
1250.5
VC 6
1249.43
VC 4
1239.26
HC 3
THOMAS RD.
N. STANLEY DR.
OAK ST.
GILBERT RD.
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
252.87
N 908,000
N 904,000
E 536,000
E 540,000
RM 31.029 54.0
RM 31.301 36.0
RM 31.522 38.0
RM 31.725 60.0
RM 31.896 60.0
RM 32.126 64.0
RM 32.246 60.0
RM 32.469 60.0
RM 32.862
1238.8 N 1238.8 F
1243.9 N 1243.1 F
1243.7 N 1243.7 F
1244.6 N 1244.7 F
1245.5 N 1246.0 F
1241.9 N 1241.9 F
1240.4 N 1250.5 F
1255.8 N 1252.3 F
1254.4 N 1254.0 F
1255.1 N 1256.1 F
Note: Section Corners are approximate.

## LEGEND

- 100-Year Flood Limits
- Floodway Limits
- 34.5 Distance In Miles Upstream From Confluence With Gila River
- E Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

INDEX

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0 200 400 800

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

DIP CROSSING @ GILBERT

RM 32.862 72.0 — U — 1256.9 N / 1256.1 F

RM 33.028 74.0 — V — 1257.7 N / 1258.6 F

76.0 — W — 1260.4 N / 1261.0 F — RM 33.205

RM 33.385 78.0 — X — 1261.4 N / 1262.1 F

RM 33.557 80.0 — Y — 1262.1 N / 1262.9 F

82.0 — Z — 1263.1 N / 1263.9 F — RM 33.726

84.0 — AA — 1264.0 N / 1264.7 F — RM 33.892

RM 34.091 86.0 — BB — 1266.0 N* / 1266.8 F

RM 34.271 88.0 — CC — 1266.9 N / 1267.2 F

1274.87 VC 8

1268.94 VC 9

1262.81 ?

1256.56 H.C. 7

1256 1261 1264

Zone X Zone AE Zone AE Zone AE Zone X Zone X Zone AE Zone X

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

335 330

1220 1240 1260 1280

N 904,000

N 908,000

E 544,000

E 548,000

× RM 12

× RM 11 See Index Sheet

INDEX 1 2 3 4 5

## LEGEND

- 100-Year Flood Limits
- Floodway Limits
- 34.5 Distance In Miles Upstream From Confluence With Gila River
- E Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

| 100 YEAR PEAK DISCHARGES | |
|---|---|
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Note: Section Corners are approximate.

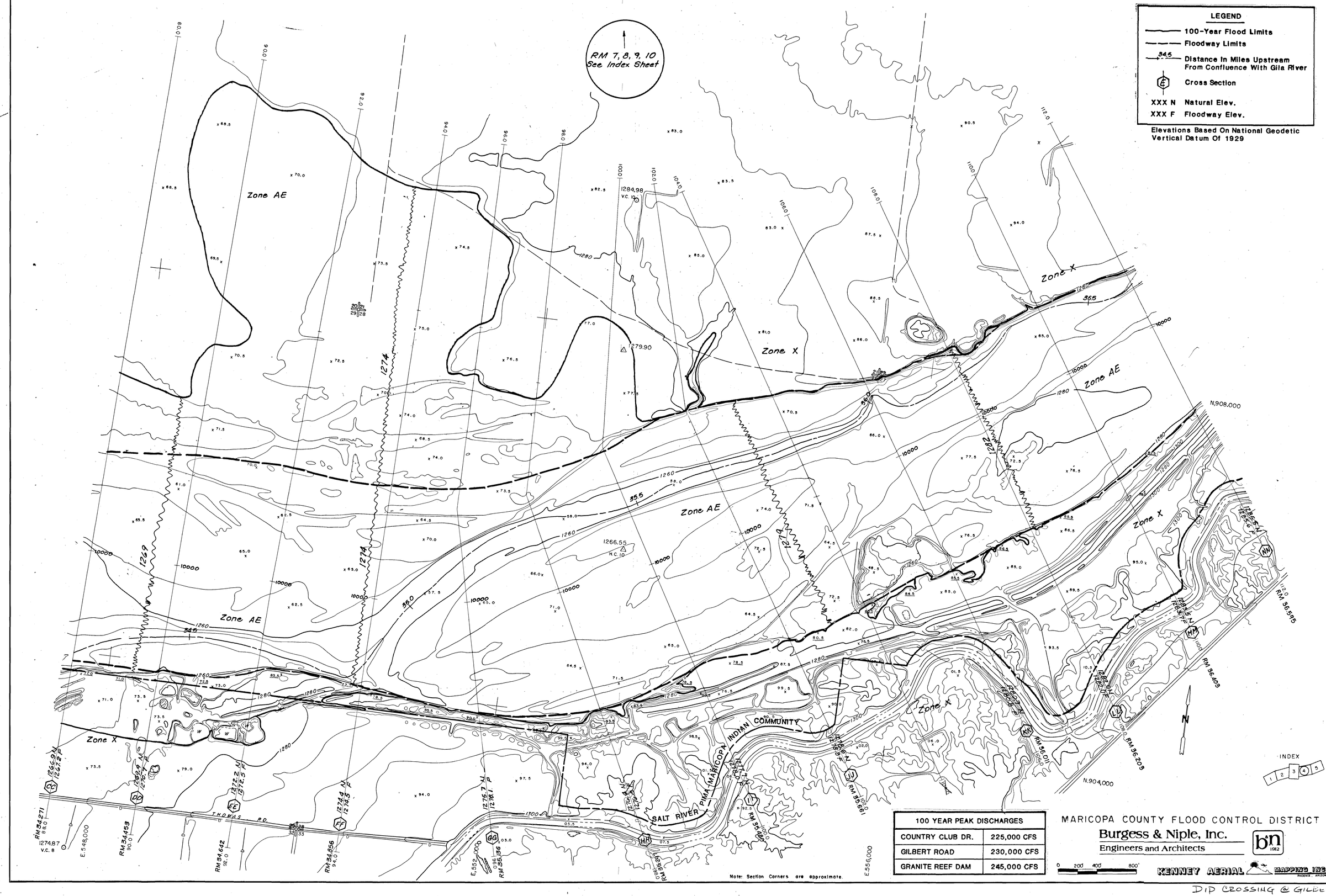
MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects
bn 1912

0 200 400 800'

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

DIP CROSSING @ GILBERT




| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0 200 400 800'

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

DIP CROSSING @ GILBERT

RM 36595 E.560,000

RM 36.775

N.908,000

E.564,000

N.912,000

E.568,000

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

ARIZONA CANAL

SOUTHERN CANAL

Granite Reef Dam

Zone X

Zone AE

Zone $X_0$

RM 1 RM 2 RM 3 RM 5 RM 6

RM 36.955 RM 37.152 RM 37.328 RM 37.523 RM 37.720 RM 37.898 RM 38.074 RM 38.261 RM 38.459 RM 38.636 RM 38.822 RM 39.009 RM 39.078 RM 39.116

1313.39 1301.40 1312.42 1294.53

## LEGEND

- 100-Year Flood Limits
- Floodway Limits
- 34.5 Distance In Miles Upstream From Confluence With Gila River
- E Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

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1 2 3 4 5

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0 200 400 800

KENNEY AERIAL MAPPING INC. PHOENIX ARIZONA

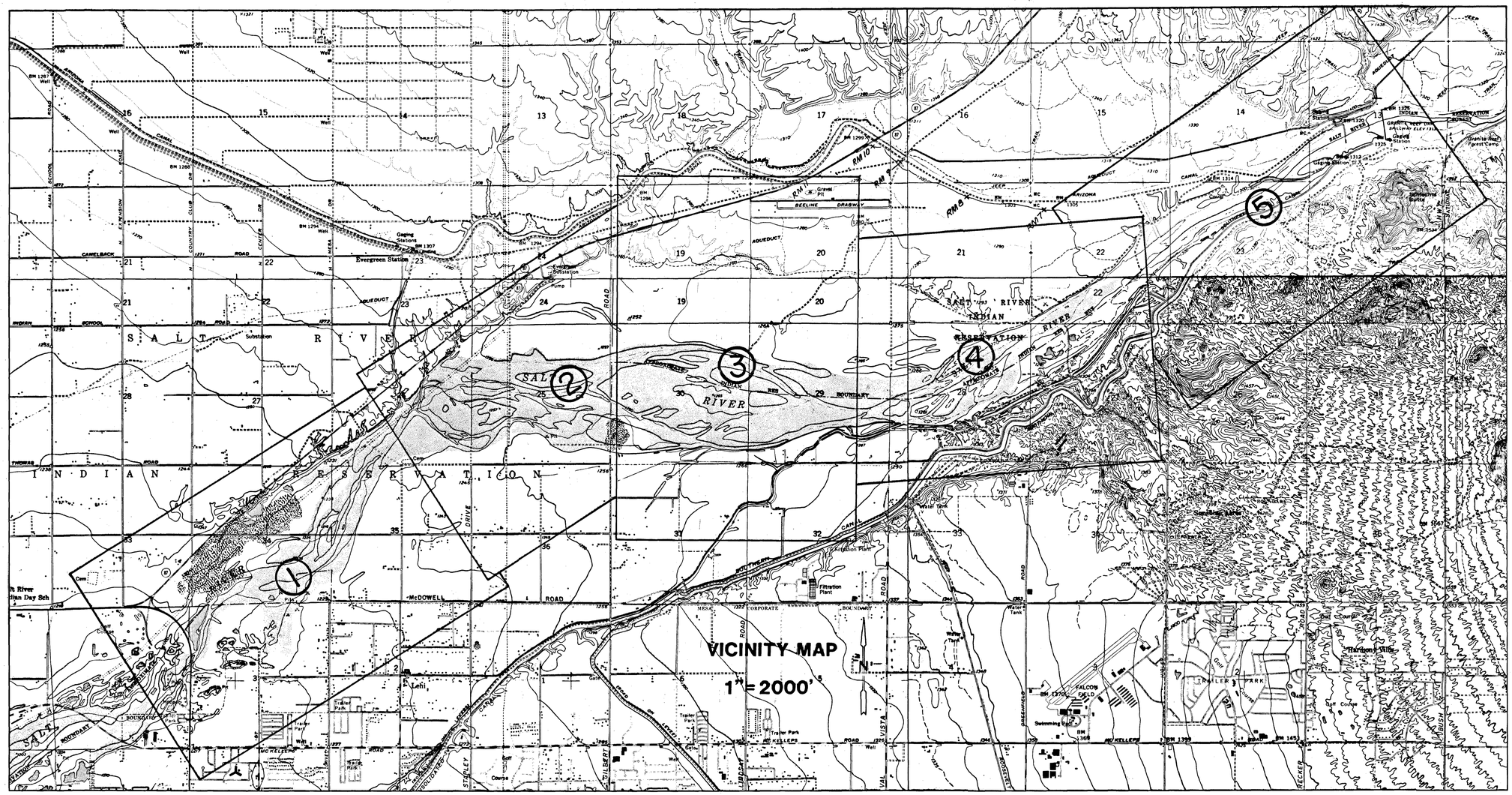
DIP CROSSING @ GILBERT

# FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

## D.E. SAGRAMOSO, CHIEF ENGINEER AND GENERAL MANAGER

# SALT RIVER FLOOD DELINEATION STUDY

## COUNTRY CLUB DRIVE TO GRANITE REEF DAM




**VICINITY MAP**

**1" = 2000'**

Burgess & Niple, Inc.

Engineers and Architects

bn 1912

STUDY DATE: 1988

MAPPING DATE: 1984

KENNY AERIAL MAPPING, INC.

PROPOSED CONDITION – GILBERT ROAD AS NEW BRIDGE WITH ASSOCIATED CHANNEL IMPROVEMENTS

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

**LEGEND**

- 100-Year Flood Limits
- Floodway Limits
- 54.5 — Distance In Miles Upstream From Confluence With Gila River
- (E) — Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

Zone X
Zone AE
ERODABLE FILL
McDOWELL
COUNTRY CLUB DR.
McKELLIPS RD.
CENTER ST.
LEHI
MESA DR.
HOBBLE ST.
OAK ST.
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
RM 22.36S 1213.3 F
1214.15
1211.65
1223.74
1223.39
1228.16 VC 2A
1234.40
1239.26
H.C. 4 1257.98

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

E 524,000 E 528,000 E 532,000 N 800,000

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0' 200' 400' 600'

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

BRIDGE @ GILBERT

Zone X
Zone AE
Zone A
THOMAS RD
N STAPLEY DR
GILBERT
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
RM 1
RM 13
RM 14
RM 15
RM 16
1265.24 VC 3
1249.43 VC 4
1239.26 HC 3
1250.5 VC 6
1252.8
RM 31.028 14.0 1238.6 N 1238.8 F
RM 31.301 58.0 1241.9 N 1242.1 F
RM 31.522 58.0 1242.7 N 1243.1 F
RM 31.725 60.0 1243.7 N 1243.7 F
RM 31.896 62.0 1244.6 N 1244.1 F
RM 32.126 64.0 1245.5 N 1246.0 F
RM 32.295 58.0 1247.9 N 1247.9 F
RM 32.469 58.0 1250.4 N 1250.5 F
RM 32.641 58.0 1251.8 N 1252.3 F
RM 32.676 1253.1 N 1253.8 F
RM 32.852 1254.0 N 1254.2 F
1254.4 N 1254.4 F
E 536,000
E 540,000
N 908,000
N 904,000

LEGEND

- 100-Year Flood Limits
- Floodway Limits
- 34.5 Distance In Miles Upstream From Confluence With Gila River
- E Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

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| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

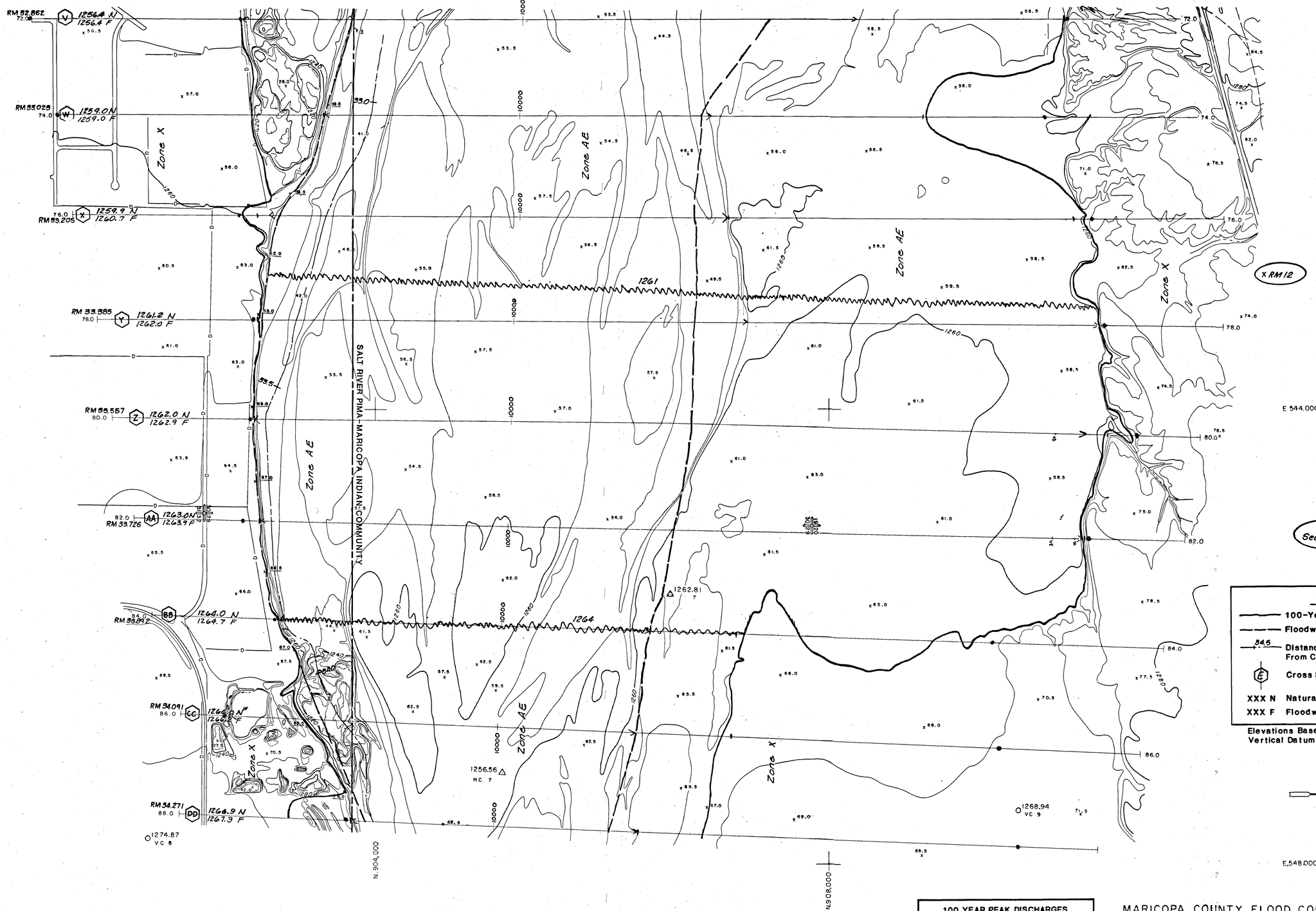
MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0 200 400 800

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

BRIDGE @ GILBERT




**LEGEND**

- 100-Year Flood Limits
- Floodway Limits
- 54.5 Distance In Miles Upstream From Confluence With Gila River
- E Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

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1 2 3 4 5

| 100 YEAR PEAK DISCHARGES | |
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Note: Section Corners are approximate.

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects
bn 1912

0 200 400 800

KENNEY AERIAL MAPPING INC. PHOENIX - ARIZONA

BRIDGE @ GILBERT

**LEGEND**

- 100-Year Flood Limits
- Floodway Limits
- 34.5 — Distance In Miles Upstream From Confluence With Gila River
- Cross Section
- XXX N Natural Elev.
- XXX F Floodway Elev.

Elevations Based On National Geodetic Vertical Datum Of 1929

RM 7, 8, 9, 10 See Index Sheet

Zone AE

Zone X

1284.98 V.C. 10

1279.90

1266.55 H.C. 10

1274.87 V.C. 8

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

THOMAS RD.

| 100 YEAR PEAK DISCHARGES | |
|---|---|
| COUNTRY CLUB DR. | 225,000 CFS |
| GILBERT ROAD | 230,000 CFS |
| GRANITE REEF DAM | 245,000 CFS |

Note: Section Corners are approximate.

MARICOPA COUNTY FLOOD CONTROL DISTRICT

Burgess & Niple, Inc.
Engineers and Architects

0 200 400 800'

KENNEY AERIAL MAPPING INC. PHOENIX - ARIZONA

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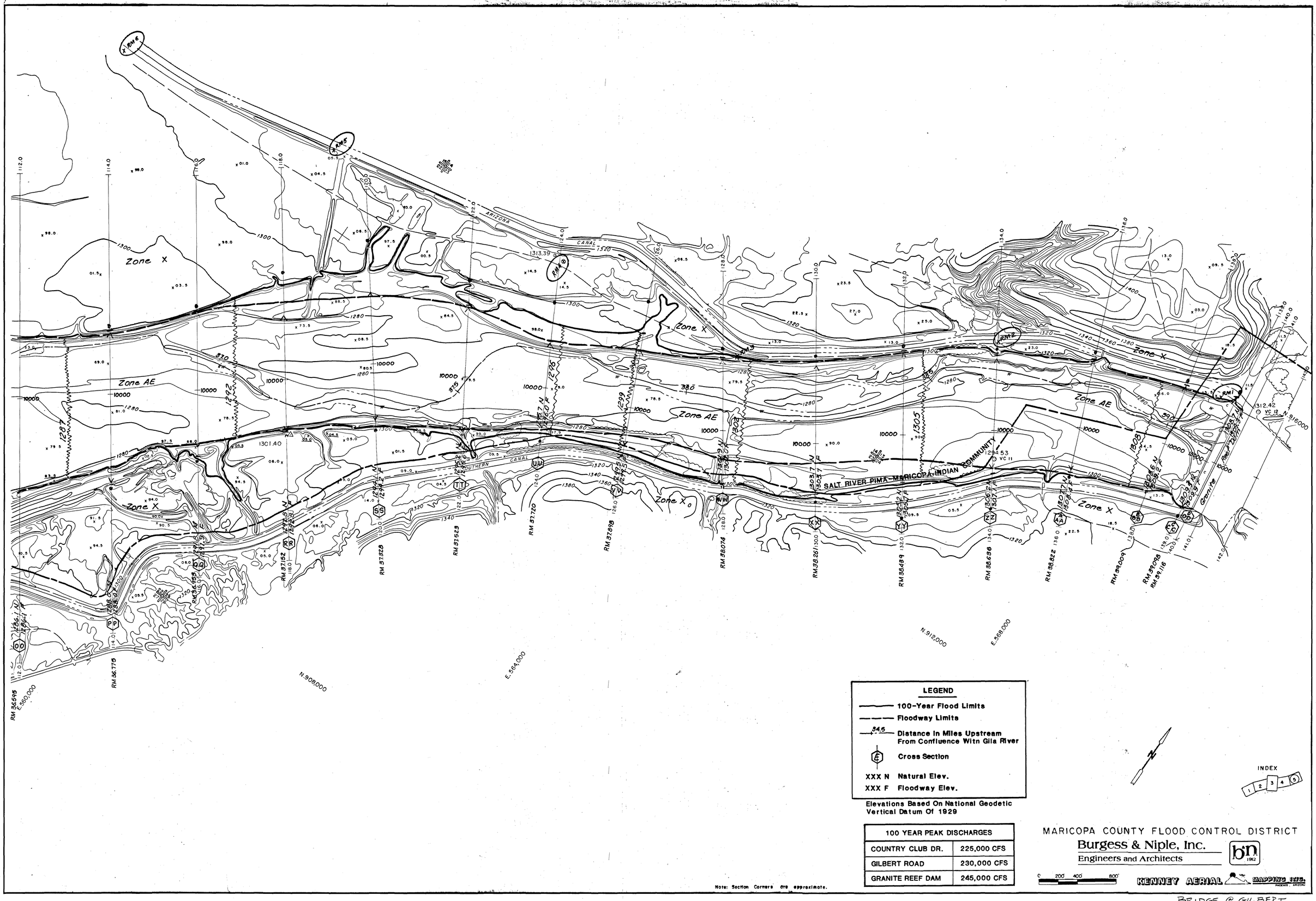
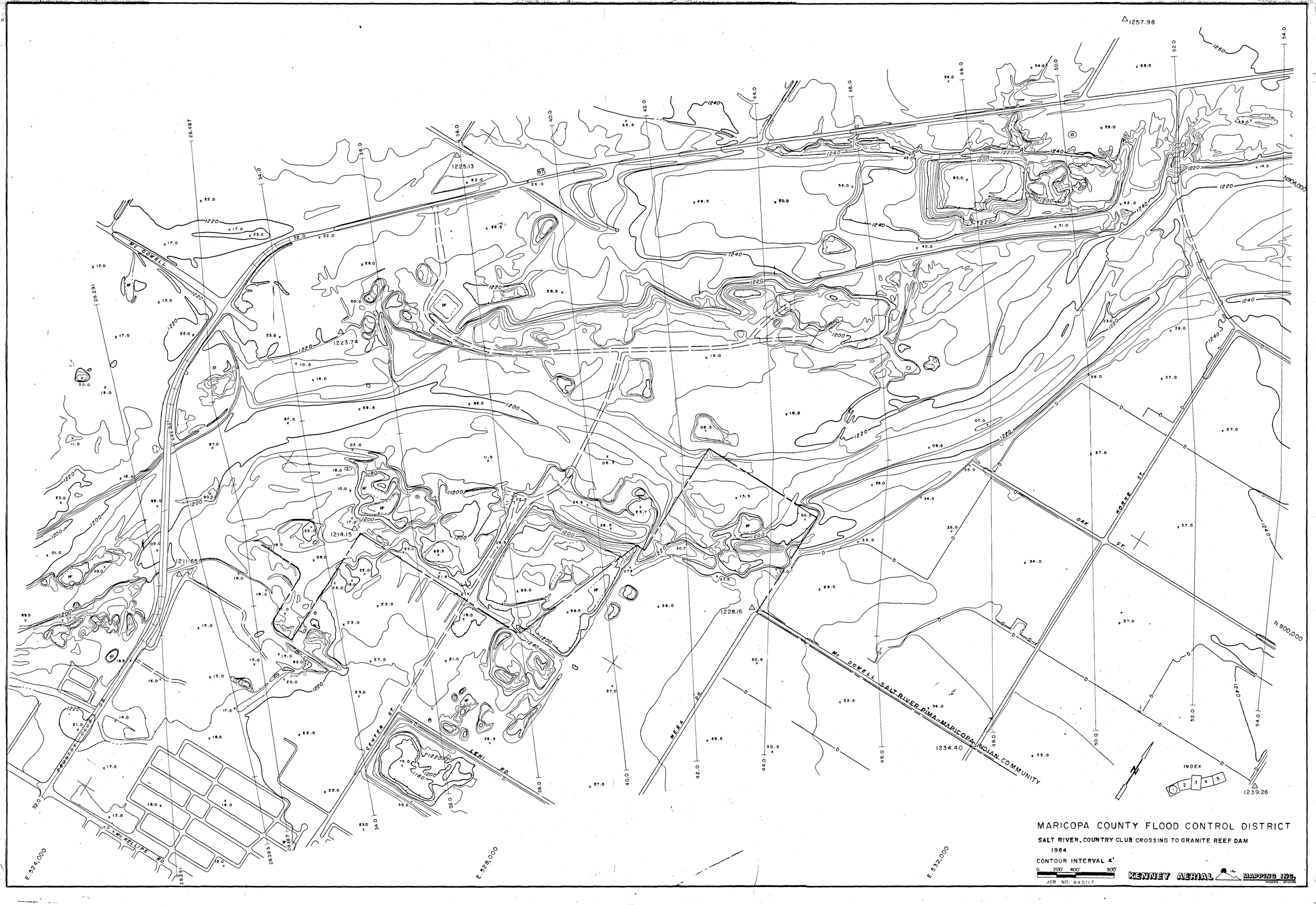
BRIDGE @ GILBERT


RM5
RM4
RM3
RM2
RM1
ARIZONA CANAL
SOUTHERN CANAL
SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
Zone X
Zone AE
Zone X
Zone X
Zone X
RM 36595
RM 36775
RM 37152
RM 37328
RM 37523
RM 37720
RM 37898
RM 38074
RM 38261
RM 38439
RM 38636
RM 38822
RM 39009
RM 39198
RM 39316
E.560,000
N.908000
E.564,000
N.912,000
E.568,000
N.916000
1313.39
1312.42
1301.40
1294.53
LEGEND
100-Year Flood Limits
Floodway Limits
54.5 Distance In Miles Upstream From Confluence Witn Gila River
Cross Section
XXX N Natural Elev.
XXX F Floodway Elev.
Elevations Based On National Geodetic Vertical Datum Of 1929
INDEX
1 2 3 4 5
100 YEAR PEAK DISCHARGES
COUNTRY CLUB DR. 225,000 CFS
GILBERT ROAD 230,000 CFS
GRANITE REEF DAM 245,000 CFS
Note: Section Corners are approximate.
MARICOPA COUNTY FLOOD CONTROL DISTRICT
Burgess & Niple, Inc.
Engineers and Architects
0 200 400 800
KENNEY AERIAL MAPPING INC.
PHOENIX, ARIZONA
BRIDGE @ GILBERT




# MARICOPA COUNTY FLOOD CONTROL DISTRICT

SALT RIVER, COUNTRY CLUB CROSSING TO GRANITE REEF DAM

1984

CONTOUR INTERVAL 4'

0 200' 400' 800'

JOB NO. 840117

KENNEY AERIAL MAPPING INC.
PHOENIX, ARIZONA

THOMAS RD
STAPLEY DR
OAK ST.
GILBERT RD
SALT RIVER-PIMA MARICOPA INDIAN COMMUNITY
125524
125016
1249.43
1252.87
1239.26
N 908,000
N 904,000
E 536,000
E 540,000
INDEX
1
2
3
4
5
MARICOPA COUNTY FLOOD CONTROL DISTRICT
SALT RIVER, COUNTRY CLUB CROSSING TO GRANITE REEF DAM
1984
CONTOUR INTERVAL 4'
0 200 400 800
JOB NO. 840117
KENNEY AERIAL MAPPING INC.
PHOENIX, ARIZONA

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

E 544.000

E,548.000

N 908,000

N 904,000

INDEX

1 2 3 4 5

# MARICOPA COUNTY FLOOD CONTROL DISTRICT

SALT RIVER, COUNTRY CLUB CROSSING TO GRANITE REEF DAM

1984

CONTOUR INTERVAL 4'

0 200' 400' 800'

JOB NO. 840117

KENNEY AERIAL MAPPING INC.
PHOENIX, ARIZONA

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY
THOMAS RD.
1284.98
1279.90
1266.55
1274.87
E.548,000
E.552,000
E.556,000
N.908,000
N.904,000
INDEX
1 2 3 4 5
MARICOPA COUNTY FLOOD CONTROL DISTRICT
SALT RIVER, COUNTRY CLUB CROSSING TO GRANITE REEF DAM
1984
CONTOUR INTERVAL 4'
0 200 400 800'
JOB NO. 840117
KENNEY AERIAL MAPPING INC.
PHOENIX ARIZONA

ARIZONA CANAL

SOUTHERN CANAL

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

1313.39

1311.76

1306.40

1294.53

1312.42

N.916000

N.912,000

E.568,000

N.908,000

E.564,000

E.560,000

INDEX

1 2 3 4 5

# MARICOPA COUNTY FLOOD CONTROL DISTRICT

SALT RIVER, COUNTRY CLUB CROSSING TO GRANITE REEF DAM

1984

CONTOUR INTERVAL 4'

0 200 400 800'

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