

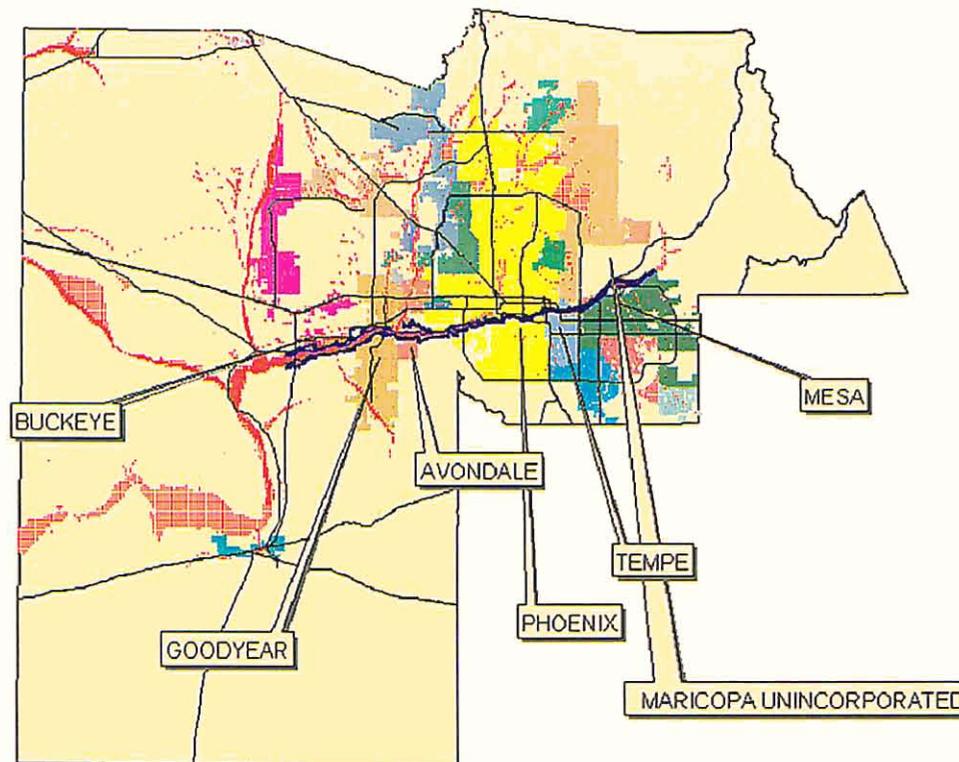
VOLUME 2 OF 5

19538-APA

May 1999

# SALT-GILA RIVER

## Floodplain Delineation Restudy



Submitted to

### Flood Control District of Maricopa County

2801 West Durango Street  
Phoenix, Arizona 85009  
(602) 506-1501

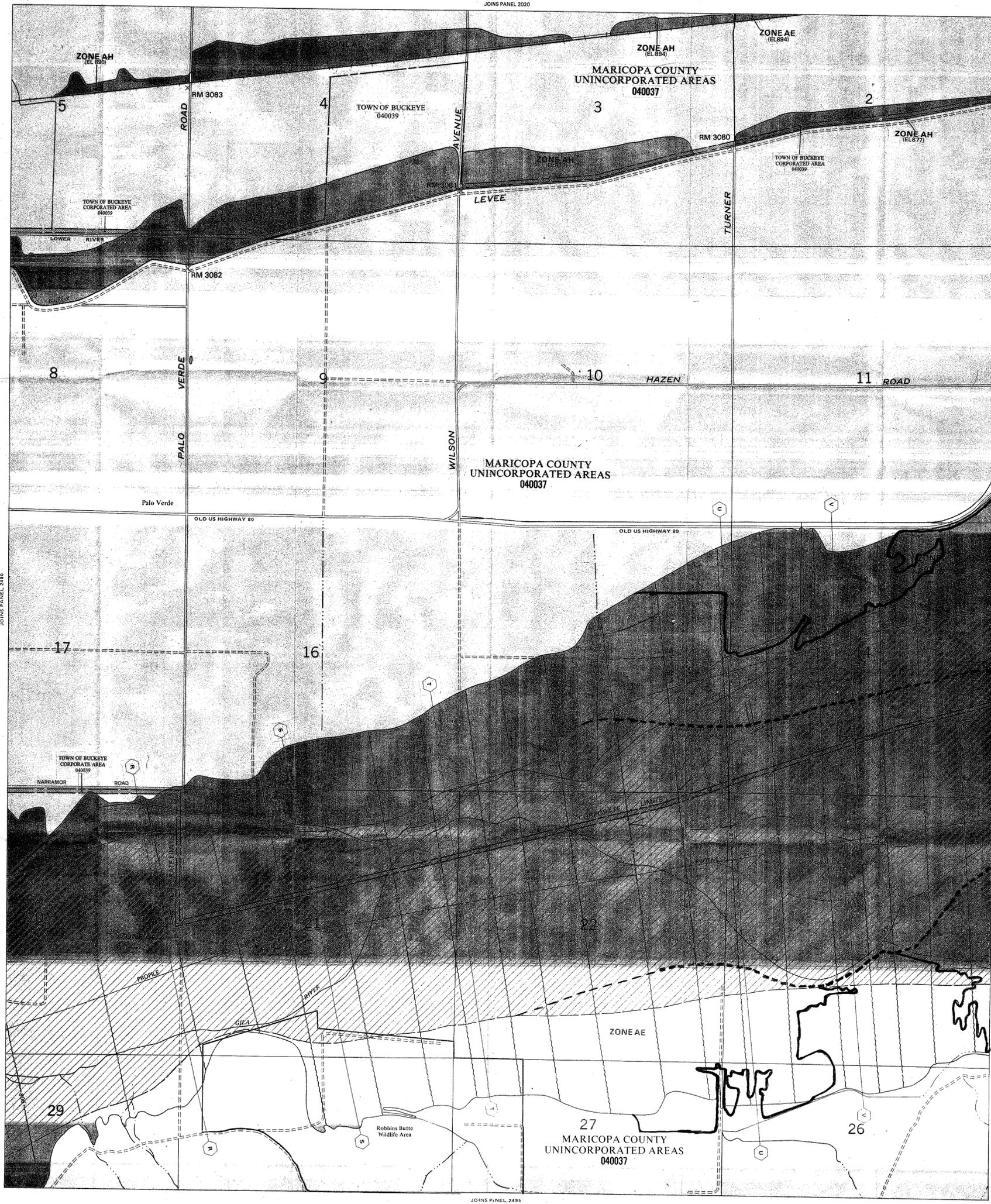
Submitted by  
Michael Baker, Jr., Inc.  
1313 East Osborn Road, Suite 150  
Phoenix, Arizona 85014  
Phone (602) 279-1234  
Fax (602) 279-1411



**Baker**

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM7	808.41	Top of pavement at centerline intersection of Narramore Road and Palo Verde Road.
RM 3080	876.508	Brass cap in north end concrete irrigation structure over Buckeye Canal, 60 feet west of centerline Turner Road, being in southeast quarter of Section 3, Township 1 South, Range 4 West
RM 3081	878.809	Maricopa County Highway Department brass cap, stamped 878.77 in south end concrete headwall at southeast corner bridge at intersection of Buckeye Canal and Wilson Road, being in southwest quarter of Section 3, Township 1 South, Range 4 West
RM 3082	877.834	Maricopa County Highway Department brass cap - stamped 877.81 - 1990 - in south end concrete headwall at southeast corner bridge at Buckeye Canal and Palo Verde Road, being in northwest quarter of Section 9, Township 1 South, Range 4 West
RM 3083	889.954	Flood Control District of Maricopa County brass cap - stamped ERM 25 - in concrete, 90 feet south centerline Southern Pacific Railroad, 53.5 feet west of centerline Palo Verde Road, 3 feet west of power pole, being in northeast quarter, Section 5, Township 1 South, Range 4 West
RM 3084	891.744	Bronze disk in concrete headwall stamped D 322 1952 U.S. Coast and Geodetic Survey - 20.5 feet north of north rail of Southern Pacific Railroad and 0.5 mile west of centerline of Wilson Avenue, being in northeast quarter of Section 4, Township 1 South, Range 4 West



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**Boundary**  
 Flood Boundary  
 Floodway Boundary  
 Zone D Boundary  
 Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**513** Base Flood Elevation Line; Elevation in Feet\*

**(D) (D)** Cross Section Line

**(EL 987)** Base Flood Elevation in Feet Where Uniform Within Zone\*

**RM7 X** Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, AI-30, AE, AH, AO, A99, V, VI-30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index

**MAP REPOSITORY**  
 Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
 APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
 SEPTEMBER 4, 1991

Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 538-6620.

**APPROXIMATE SCALE IN FEET**  
 1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

PANEL 2485 OF 4350

**CONTAINS:**

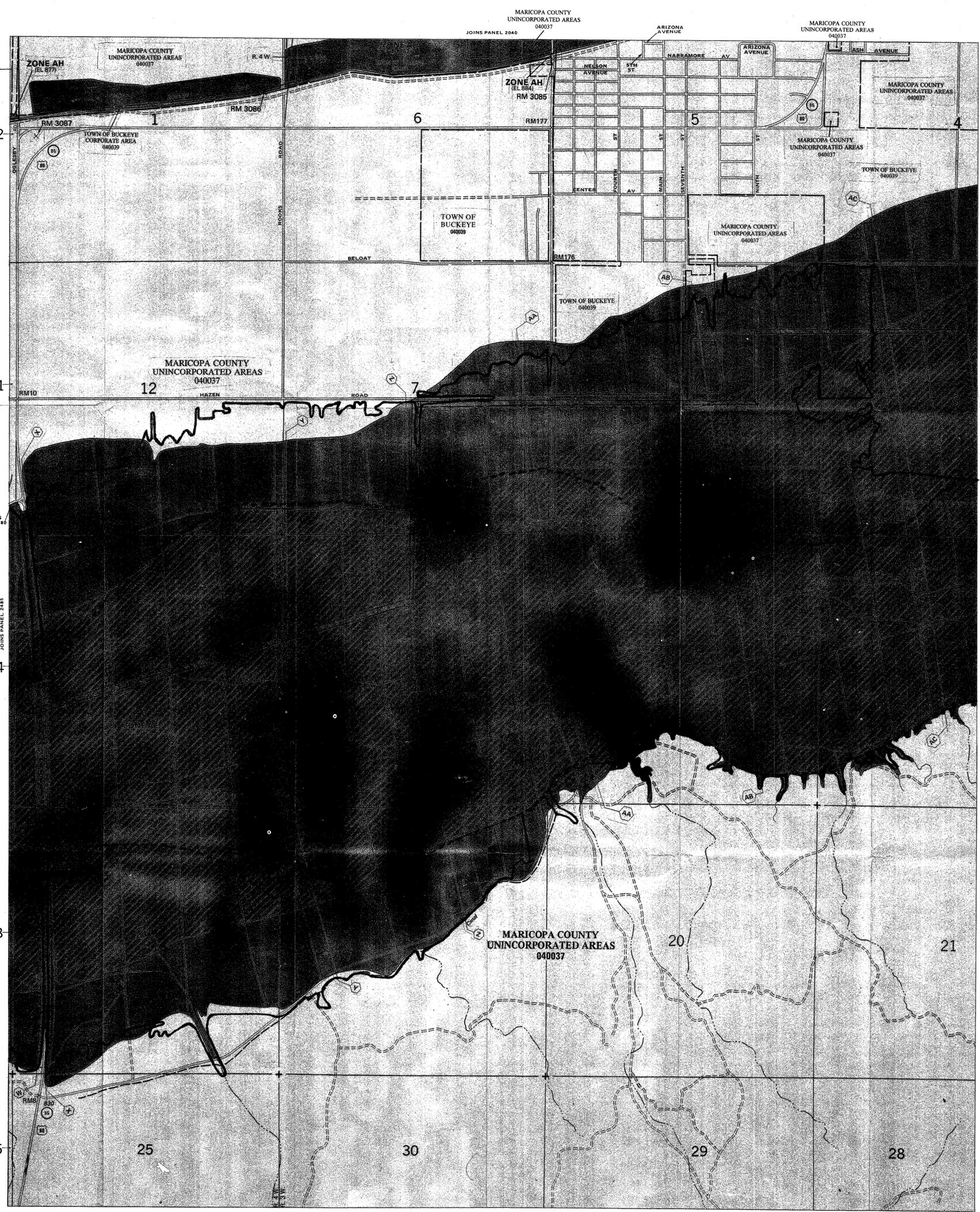
COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE, TOWN OF	040039	2485	F
MARICOPA COUNTY UNINCORPORATED AREAS	040037	2485	F

**MAP NUMBER**  
 04013C2485 F

**MAP REVISED:**  
 SEPTEMBER 30, 1995

**Federal Emergency Management Agency**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 SOUTH, RANGE 4 WEST



**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM8	836.08	Top of pavement at centerline of U.S. Highway 80, 1 mile south of Gila River bridge, at cross roads.
RM9	827.66	AHD brass cap in northwest corner of Gila River bridge on U.S. Highway 80.
RM10	839.07	Rim of handhole at centerline intersection of U.S. Highway 80 and Hazen Road.
RM11	837.77	Top of pavement at centerline intersection of Hazen Road and Miller Road.
RM12	844.67	Rim of handhole at centerline intersection of Beloit Road, 1 mile east of Miller Road.
RM176	852.95	Rim of handhole at centerline intersection of Beloit Road and Miller Road.
RM177	871.09	Top of pavement at centerline intersection of Miller Road and U.S. Highway 80.
RM 3085	881.411	Flood Control District of Maricopa County brass cap - stamped ERM 14 - in north end irrigation structure over Buckeye Canal, 370 feet west of centerline Miller Road, being in northeast quarter of Section 6, Township 1 South, Range 3 West.
RM 3086	879.941	Flood Control District of Maricopa County brass cap - stamped ERM 15 - in north end irrigation structure over Buckeye Canal, 370 feet west of centerline of Rooks Road, being in northeast quarter of Section 1, Township 1 South, Range 4 West.
RM 3087	873.367	Arizona Department of Transportation brass cap in concrete - stamped P.O.T. 13+85 Elev 873.42 - 1975 - 113 feet south of State Route 85 and 102 feet east of Oglesby Road, being in southwest quarter of Section 1, Township 1 South, Range 4 West.

**LEGEND**

- SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow on slopes); average depths determined; for areas of littoral fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.
- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- 513 Base Flood Elevation Line; Elevation in Feet
- (EL 987) Cross Section Line
- RM7<sub>x</sub> Base Flood Elevation in Feet Where Uniform Within Zone Elevation Reference Mark

**NOTES**

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Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AD, A99, V, VE, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

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For adjoining map panels see separately printed Map Index

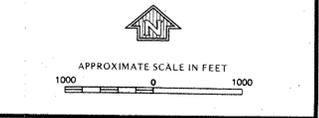
**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
SEPTEMBER 4, 1991

Map revised SEPTEMBER 30, 1996 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**  
**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

PANEL 2505 OF 4350

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE, TOWN OF	040039	2505	F
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2505	F

**MAP NUMBER**  
04013C2505 F

**MAP REVISED:**  
SEPTEMBER 30, 1995

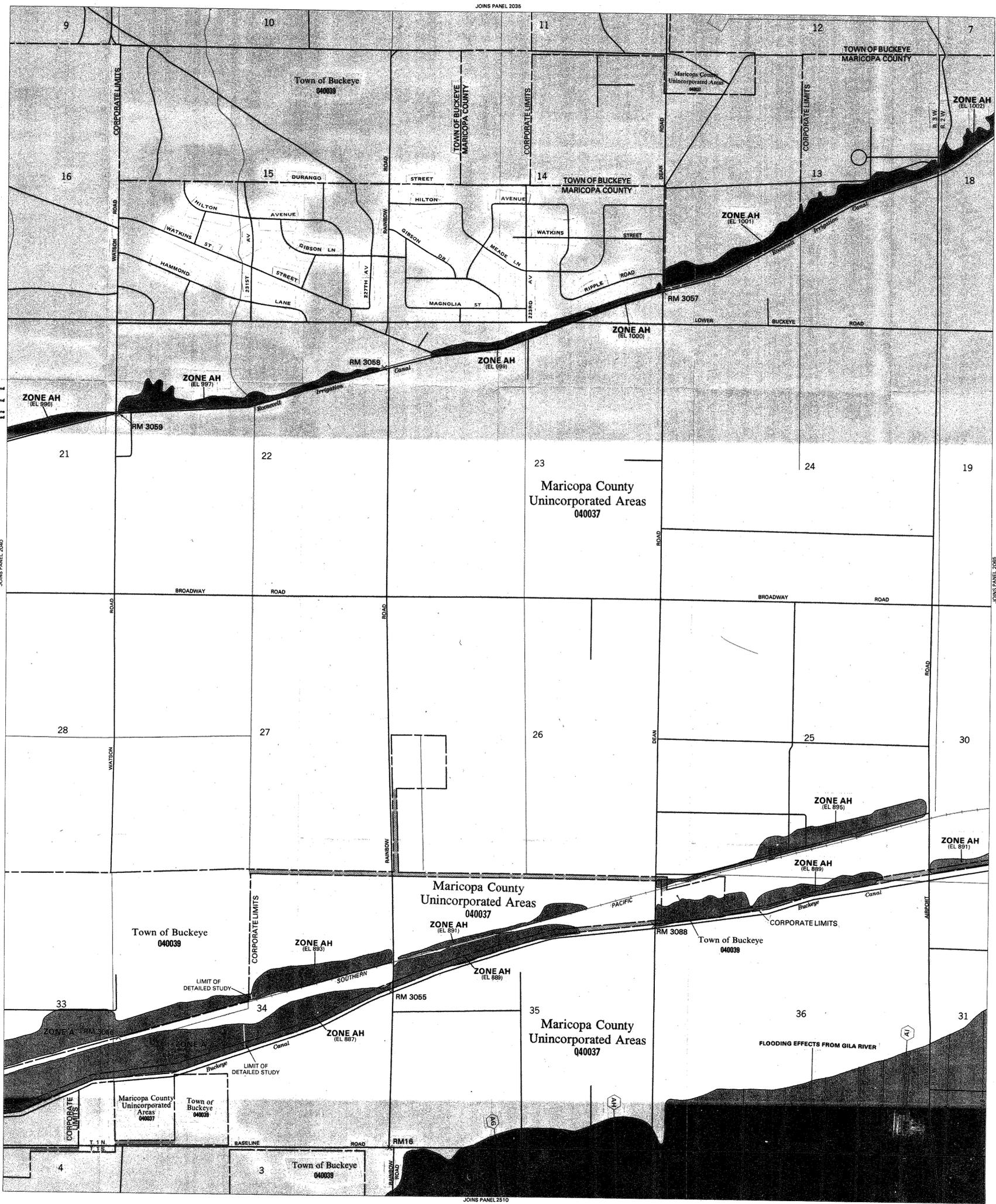


Federal Emergency Management Agency

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 SOUTH, RANGE 3 WEST AND TOWNSHIP 1 SOUTH, RANGE 4 WEST

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM 16	861.91	Top of pavement at centerline intersection of U.S. Route 80 and Rainbow Road.
RM 17	863.19	Top of pavement at centerline intersection of U.S. Route 80 and Dean Road.
RM 23	866.19	U.S. Army Corps of Engineers brass cap 117 feet north of centerline of U.S. Route 80 on line with centerline of Airport Road marked TL 228.
RM 3055	888.665	Flood Control District of Maricopa County Brass Cap - stamped SRM 12 - in concrete, 22.0 feet south of centerline Rainbow Canal and 28.5 feet east of centerline Rainbow Road, being in northwest quarter of Section 35, Township 1 North, Range 3 West.
RM 3056	887.808	Flood Control District of Maricopa County brass cap - stamped ERM 13 - in concrete, 33 feet south of centerline Southern Pacific Railroad, 61 feet east of centerline Watson Road, 5 feet east of centerline being in the southwest quarter of section 34, Township 1 North, Range 3 West.
RM 3057	1,004.911	Maricopa County Highway Department brass cap in concrete headwall at the southeast corner bridge at Dean Road and Roosevelt Canal, being in southwest quarter of Section 13, Township 1 North, Range 3 West.
RM 3058	1,002.197	Maricopa County Highway Department brass cap in concrete headwall at northwest corner bridge at Rainbow Road and Roosevelt Canal, being in northwest quarter of Section 23, Township 1 North, Range 3 West.
RM 3059	998.503	Maricopa County Highway Department brass cap in concrete abutment at southeast corner bridge at Watson Road and Roosevelt Canal, being in northwest quarter of Section 22, Township 1 North, Range 3 West.
RM 3088	892.095	Arizona Department of Transportation brass cap in concrete headwall - west side bridge at the intersection of Buckeye Canal and Dean Road, stamped 43+38.33 A.H.D. Elev 891.93 - 1982, being in northeast quarter of Section 35, Township 1 North, Range 3 West.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of shallow fast flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**Boundary Symbols:**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**Reference Symbols:**

- 513 Base Flood Elevation Line; Elevation in Feet
- (EL 987) Cross Section Line
- RM7<sub>x</sub> Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AD, A99, V, VE, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
SEPTEMBER 4, 1991

Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

**APPROXIMATE SCALE IN FEET**  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2045 OF 4350**

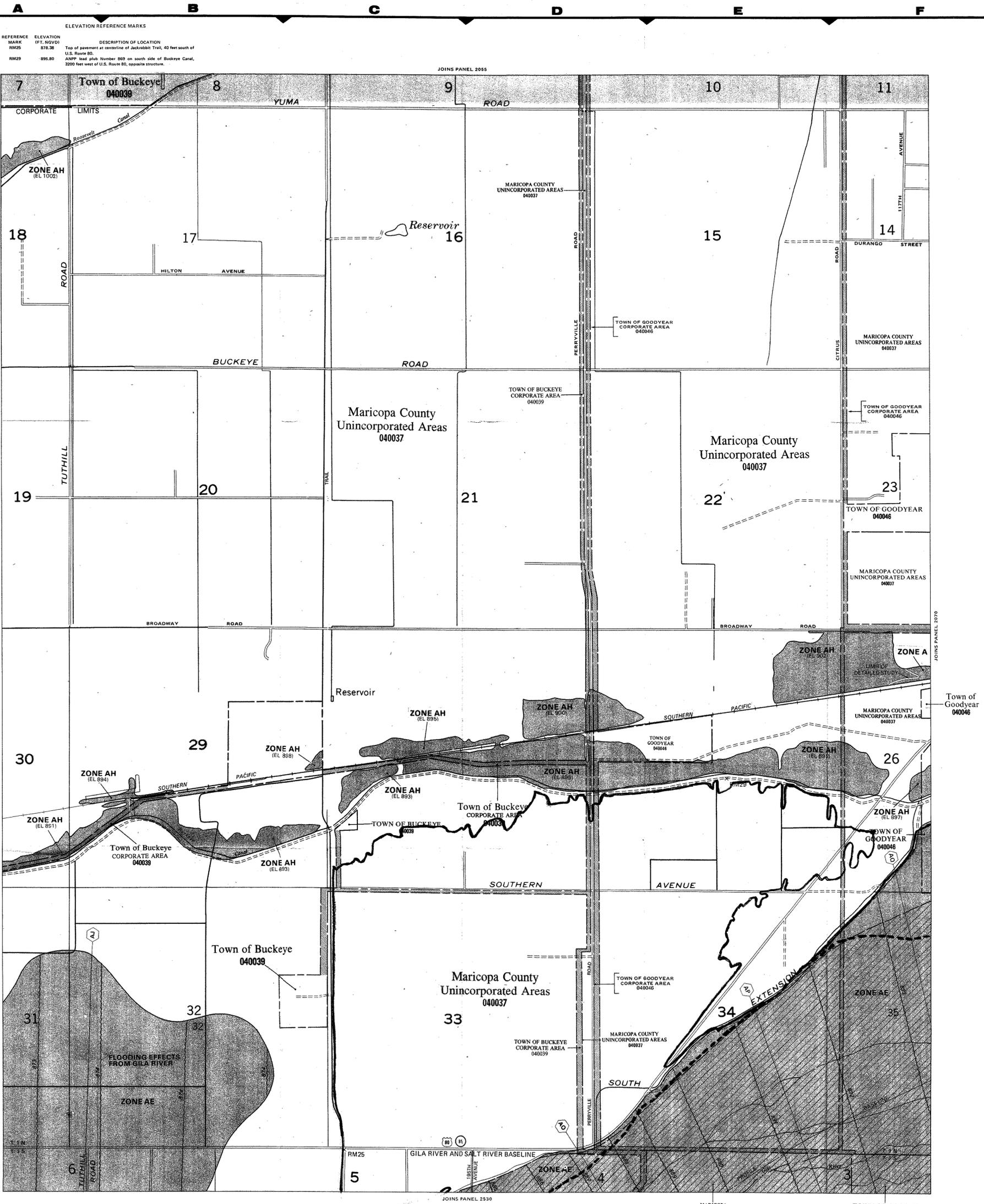
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE, TOWN OF	040039	2045	F
MARICOPA COUNTY UNINCORPORATED AREAS	040037	2045	F

**MAP NUMBER**  
04013C2045 F

**MAP REVISED:**  
SEPTEMBER 30, 1995

Federal Emergency Management Agency



### LEGEND

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**Boundaries:**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**Elevations:**

- 513 Base Flood Elevation Line; Elevation in Feet\*
- (EL 987) Cross Section Line
- RM7<sub>x</sub> Base Flood Elevation in Feet Where Uniform Within Zone\* Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

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Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

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**MAP REPOSITORY**  
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**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
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Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

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APPROXIMATE SCALE IN FEET  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2065 OF 4350**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
BUCKEYE, TOWN OF	040039	2065	F
GOODYEAR, TOWN OF	040046	2065	F
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2065	F

**MAP NUMBER**  
04013C2065 F

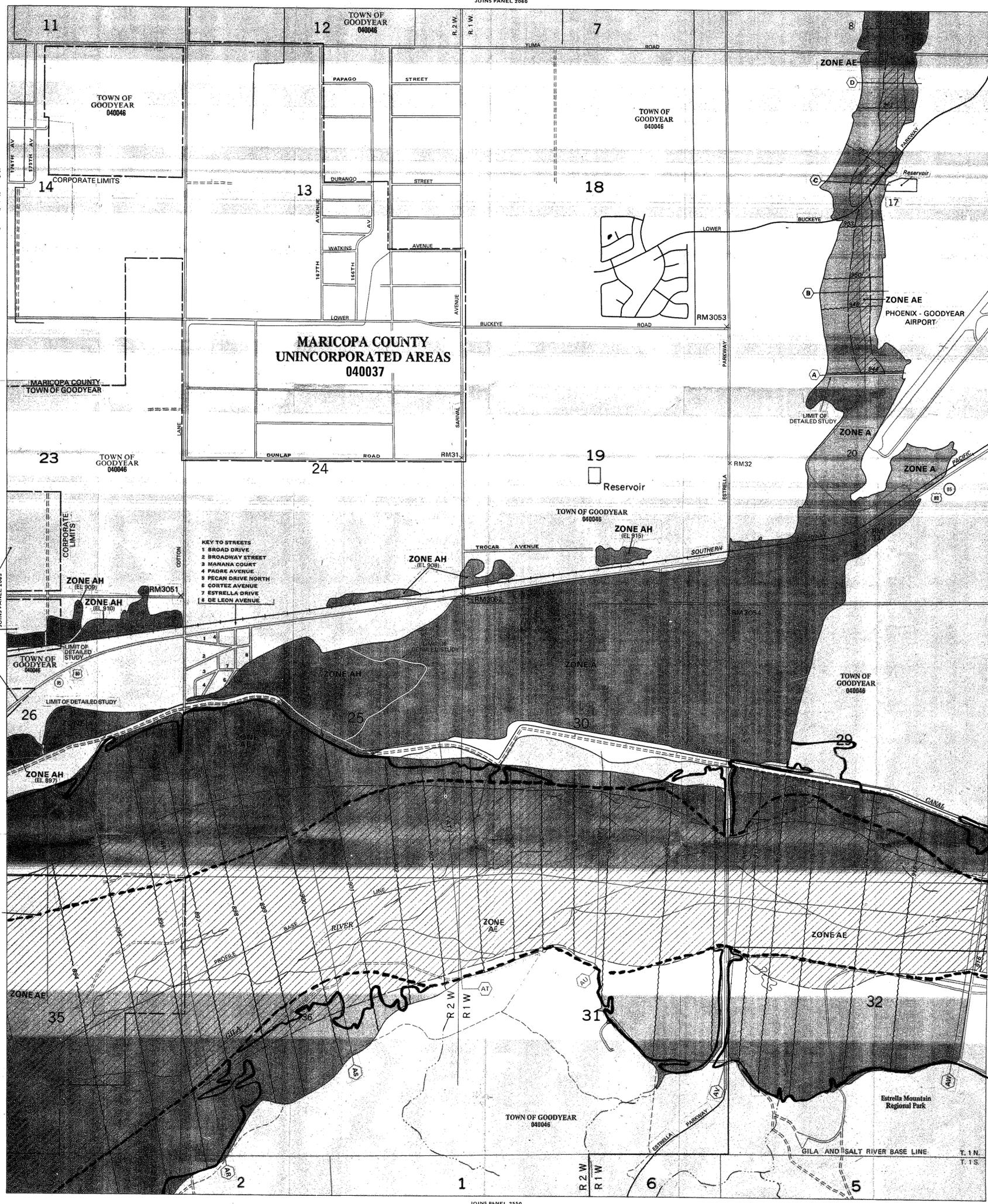
**MAP REVISED:**  
SEPTEMBER 30, 1995

**Federal Emergency Management Agency**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 2 WEST AND TOWNSHIP 1 SOUTH, RANGE 2 WEST

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT./NGVD)	DESCRIPTION OF LOCATION
RM30	895.65	ANPP lead plus Number 862 at northwest corner of chainlink fence on east side of Cotton Lane, 1130 feet south of Buckeye Canal.
RM31	935.81	U.S. Geological Survey brass cap in concrete cylinder 42 feet west of Sarival Avenue, 0.5 mile north of Route 80. Marked GIN RM 2.
RM32	934.97	Rim of handhole at centerline of Reems Road: 1800 feet north of U.S. Route 80.
RM33	916.54	AHD brass cap in south headwall of box culvert under U.S. Route 80: 3000 feet west of Bullard Avenue.
RM 3051	912.90	One-inch open pipe in pothole, Cotton Lane and Broadway Road, southeast corner Section 23, Township 1 North, Range 1 West.
RM 3052	910.17	Chiselled "X" on concrete base power pole at northeast corner, intersection of Sarival Avenue and Broadway Road, near southeast corner Section 24, Township 1 North, Range 1 West.
RM 3053	952.11	Maricopa County Highway Department brass cap in handhole, Estrella Parkway and Lower Buckeye Road, southeast corner Section 18, Township 1 North, Range 1 West.
RM 3054	913.18	Brass cap in handhole, Estrella Parkway (Reems Road) and Broadway Road, southeast corner Section 19, Township 1 North, Range 1 West.



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**
  - ZONE A** No base flood elevations determined.
  - ZONE AE** Base flood elevations determined.
  - ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
  - ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
  - ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
  - ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
  - ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
  - ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas affected by levees from 100-year flood.
- OTHER AREAS**
  - ZONE X** Areas determined to be outside 500-year flood plain.
  - ZONE D** Areas in which flood hazards are undetermined.
- Boundary**
  - Flood Boundary
  - Floodway Boundary
  - Zone D Boundary
  - Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- Base Flood Elevation Line; Elevation in Feet\***
- Cross Section Line**
- Base Flood Elevation in Feet Where Uniform Within Zone\***
- Elevation Reference Mark**

\*Referenced to the National Geodetic Vertical Datum of 1929

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**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1989

**EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:**  
SEPTEMBER 4, 1991

Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

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**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2070 OF 4350**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL SUFFIX
GOODYEAR, TOWN OF	040046	2070 . . . F
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2070 . . . F

**MAP NUMBER**  
04013C2070 F

**MAP REVISED:**  
SEPTEMBER 30, 1995

Federal Emergency Management Agency

A

B

C

D

E

F

G



ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NOV. 0)	DESCRIPTION OF LOCATION
RM34	922.26	Top of pavement at centerline intersection of Bullard Avenue and Broadway Road.
RM35	918.53	U.S. Geological Survey brass cap in concrete cylinder 38 feet north-west of canal bridge, on west side of Bullard Avenue; 0.75 mile south of Broadway Road. Marked CANAL.
RM36	911.34	Top of pavement at centerline intersection of Bullard Avenue and Park Road.
RM37	928.91	U.S. Geological Survey brass cap in concrete cylinder 14 feet east of centerline of Litchfield Road extended approximately 150 feet south of Broadway Road. Marked 97Z.
RM38	934.72	U.S. Geological Survey brass cap in concrete cylinder of southwest corner of Dyrart Road and Broadway Road. Marked 98Z.
RM39	929.36	Top of pavement at centerline intersection of El Mirage Road and Southern Avenue.
RM40	936.19	Top of pavement at centerline intersection of El Mirage Road and Southern Avenue.
RM41	936.84	U.S. Geological Survey brass cap in concrete cylinder at northeast corner of Broadway Road and El Mirage Road. Marked H395.
RM172	945.43	U.S. Army Corps of Engineers brass cap in south end of east curb at northeast corner of Lower Buckeye Road and 4th Street.
RM173	964.64	Brass cap in handhole at centerline intersection of Lower Buckeye and Litchfield Road.
RM508	916.83	U.S. Army Corps of Engineers brass cap on a 2" pipe at the intersection of Southern Avenue and Litchfield Road.
RM509	827.45	Brass cap in parapet at northeast corner of Bullard Road bridge over Gila River.
RM510	944.24	Cotton girdle flush with pavement at the intersection of Lower Buckeye and Dyrart Roads.
RM511	973.58	Brass cap west end of Buckeye Road bridge over the Agua Fria River.
RM 3049	977.19	Rod in concrete in handhole, Bullard Avenue and Yuma Road, southeast corner Section 8, Township 1 North, Range 1 West.
RM 3050	965.70	Nail in concrete in handhole, Dyrart Road and Western Avenue, Southeast corner section 10 T1N, R1W.

**LEGEND**

**SPECIAL FLOOD HAZARD AREAS UNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**BOUNDARIES**

- Flood Boundary
- - - Floodway Boundary
- - - Zone D Boundary
- - - Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**OTHER MARKS**

- 513 — Base Flood Elevation Line; Elevation in Feet\*
- (D) — Cross Section Line
- (EL 987) — Base Flood Elevation in Feet
- RM7 X — Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program, and does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, AI-30, AE, AH, AO, A99, V, V1, 30 and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**

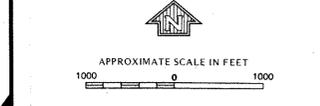
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
SEPTEMBER 4, 1991

Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6520.



**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2090 OF 4350**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
AVONDALE, CITY OF	040038	2090	F
GOODYEAR, TOWN OF	040046	2090	F
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2090	F

**MAP NUMBER**  
04013C2090 F

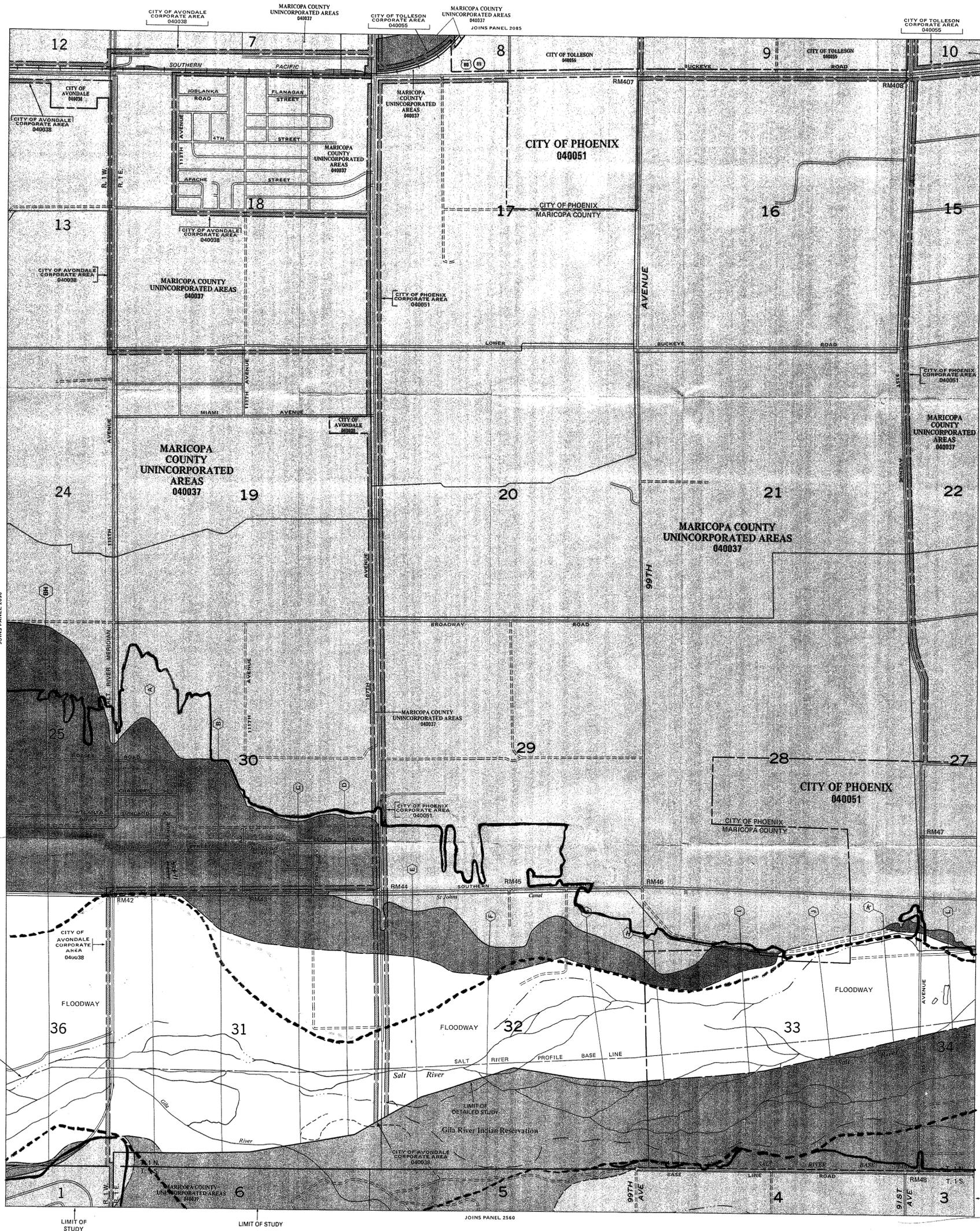
**MAP REVISED:**  
SEPTEMBER 30, 1995

**Federal Emergency Management Agency**

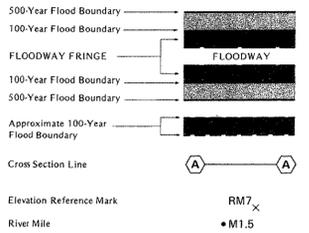
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 1 WEST AND TOWNSHIP 1 SOUTH, RANGE 1 WEST

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM42	944.27	Top of pavement at centerline intersection of 115th Avenue and Southern Avenue.
RM43	947.83	Rim of handhole at centerline of Southern Avenue; 0.5 mile west of 107th Avenue.
RM44	951.96	Rim of handhole at centerline of Southern Avenue; 0.5 mile east of 107th Avenue.
RM45	955.67	Rim of handhole at centerline of Southern Avenue; 0.5 mile east of 107th Avenue.
RM46	960.21	Top of pavement at centerline intersection of 99th Avenue and Southern Avenue.
RM47	970.17	Top of pavement at centerline intersection of 91st Avenue and entrance to city sewer plant.
RM48	971.21	Top of pavement at centerline intersection of 91st Avenue and Baseline Road.
RM407	994.46	Rim of handhole at centerline intersection of 99th Avenue and U. S. Route 80 (Buckeye Road).
RM408	1000.79	"X" on east side of headwall at southwest corner of U.S. Route 80 (Buckeye Road) and 91st Avenue (Main Street).



KEY TO MAP



NOTES TO USER

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

This map was prepared to facilitate flood plain management activities only; it may not show all special flood hazard areas in the community or all planimetric features outside of the flood plain. Refer to the latest official Flood Insurance Rate Map for any additional areas of special flood hazard.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For adjoining map panels, see separately printed Index to Map Panels.



NATIONAL FLOOD INSURANCE PROGRAM

**FLOODWAY  
FLOOD BOUNDARY AND  
FLOODWAY MAP**

MARICOPA COUNTY,  
ARIZONA AND  
INCORPORATED AREAS

PANEL 2095 OF 4350

CONTAINS:

COMMUNITY	NUMBER	PANEL
AVONDALE, CITY OF	040038	2095
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2095
PHOENIX, CITY OF	040051	2095
TOLLESON, CITY OF	040055	2095

MAP NUMBER  
04013C2095

EFFECTIVE DATE:  
APRIL 15, 1988



Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM49	980.64	U.S. Geological Survey brass cap in concrete cylinder 0.55 miles south of Broadway Road, on east side of 83rd Avenue. Marked TWIN.
RM50	995.07	City of Phoenix brass cap in handhole at centerline intersection of 75th Avenue and Broadway Road.
RM51	998.71	0.5-inch reinforcement bar in handhole at centerline intersection of 71st Avenue and Broadway Road.
RM52	1005.21	Top of pavement at centerline intersection of 67th Avenue and Broadway Road.
RM53	996.11	Top of pavement at centerline intersection of 87th Avenue and Southern Avenue.
RM54	992.61	U.S. Army Corps of Engineers brass cap in irrigation structure at southwest corner of 87th Avenue and Baseline Road. Marked T102.
RM57	1007.16	0.75-inch iron bar in handhole at centerline intersection of 83rd Avenue and Broadway Road.



**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE A0** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE D** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**Boundary Symbols:**

- Flood Boundary
- - - Floodway Boundary
- - - Zone D Boundary
- - - Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**513** Base Flood Elevation Line; Elevation in Feet\*

**(D)** Cross Section Line

**(EL 987)** Base Flood Elevation, in Feet Where Uniform Within Zone\*

**RM7x** Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, VE, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

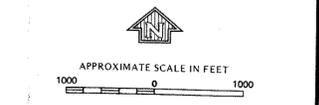
For adjoining map panels see separately printed Map Index

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP.**  
APRIL 15, 1998

**EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL.**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2115 OF 4350**

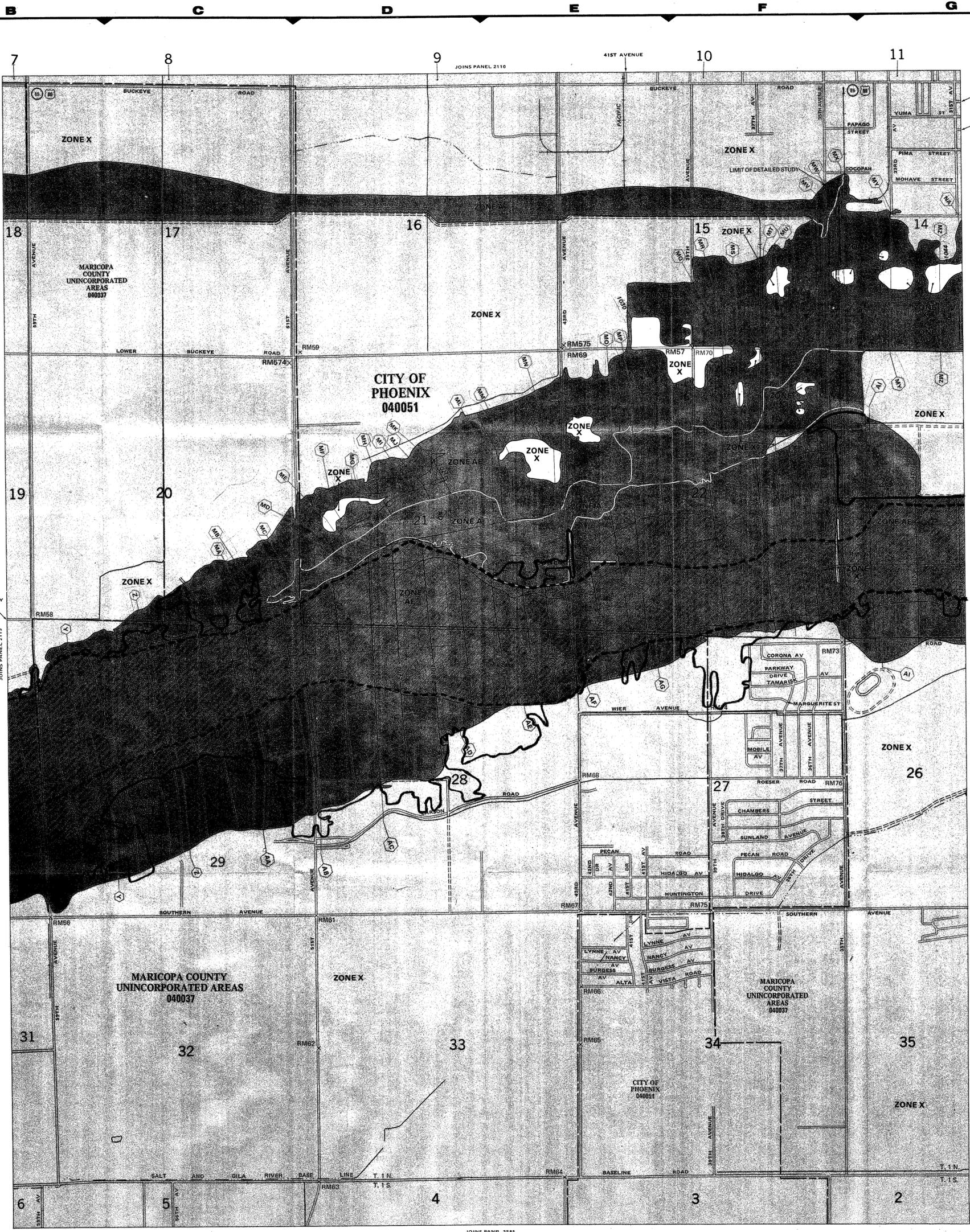
**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS, .....	440037	2115	E
PHOENIX, CITY OF, .....	240051	2115	E
TOLLESON, CITY OF, .....	240055	2115	E

**MAP NUMBER 04013C2115 E**

**MAP REVISED: SEPTEMBER 4, 1991**

Federal Emergency Management Agency



**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM56	1006.23	Rim of handhole at centerline intersection of 59th Avenue and Southern Avenue.
RM58	1006.36	City of Phoenix brass cap in handhole at centerline intersection of 59th Avenue and Broadway Road.
RM59	1024.04	U.S. Geological Survey brass cap in concrete cylinder 70 feet north of northwest corner of Baptist Church; east side of 51st Avenue; north of Lower Buckeye Road. Marked F-285.
RM60	1010.04	Top of pavement at centerline of 51st Avenue at south end of Salt River bridge.
RM61	1012.56	Top of pavement at centerline intersection of 51st Avenue and Southern Avenue.
RM62	1011.31	Spike in west face of power pole on east side of 51st Avenue; 0.5 mile south of Southern Avenue.
RM63	1010.52	Maricopa County brass cap in handhole at centerline intersection of 51st Avenue and Baseline Road.
RM64	1035.88	Railroad spike at centerline intersection of 43rd Avenue South and Baseline Road.
RM65	1021.82	Brass cap in handhole at centerline of 43rd Avenue; 0.5 mile south of Southern Avenue.
RM66	1021.50	Brass cap on surface at centerline intersection of 43rd Avenue and Alta Vista Road.
RM67	1020.89	Brass cap in handhole at centerline intersection of 43rd Avenue and Southern Avenue.
RM68	1026.49	Brass cap in handhole at centerline intersection of 43rd Avenue and Lower Buckeye Road.
RM69	1029.26	U.S. Geological Survey brass cap in concrete cylinder at the northeast corner of 43rd Avenue and Lower Buckeye Road. Marked Lower.
RM70	1033.55	Brass cap in handhole at centerline intersection of 39th Avenue and Lower Buckeye Road.
RM71	1041.15	U.S. Geological Survey brass cap in irrigation structure in the northeast corner of 39th Avenue and Lower Buckeye Road. Marked SRVUM.
RM72	1027.76	Top of pavement at centerline of 35th Avenue at the north end of Salt River bridge.
RM73	1035.50	Rim of handhole at centerline intersection of 35th Avenue and Broadway Road.
RM74	1030.36	Brass cap in handhole at centerline of Wier Avenue and 39th Avenue.
RM75	1026.32	0.5-inch reinforcement bar on surface at centerline intersection of 39th Avenue and Southern Avenue.
RM76	1032.67	Brass cap in handhole at centerline intersection of 35th Avenue and Lower Buckeye Road.
RM77	1023.88	Chiseled 2" x 2" x 4" in top, 3" high concrete wall at northeast corner of bridge abutment on 51st Avenue; approximately 30 feet east of the centerline of 51st Avenue; approximately 1 mile south of the centerline of Lower Buckeye Road.
RM78	1026.52	Brass cap stamped S.V.W.U.A. bench mark location. Engineering Dept. set on the top, center of the south wall of 7' x 12.5' concrete irrigation box, 330' above natural ground, at the southwest corner of 51st Avenue and Lower Buckeye Road; approximately 60 feet east of the centerline of 51st Avenue and approximately 55 feet south of the centerline of Lower Buckeye Road.
RM79	1034.05	Chiseled 2" x 2" x 4" in top, southeast corner of 5' x 5' concrete irrigation box with 0.50' thick wall, 3.30' above natural ground, at northeast corner of 49th Avenue and Lower Buckeye Road; approximately 33 feet east of the centerline of 49th Avenue and approximately 42 feet south of the centerline of Lower Buckeye Road.
RM80	1041.89	Brass cap stamped S.V.W.U.A. bench mark location. Engineering Dept. set on the top, center of the 0.50' thick, southeast wall of 6' x 9' concrete irrigation box, 2' above natural ground, at the northeast corner of 39th Avenue and Lower Buckeye Road; approximately 48 feet north of the centerline of 39th Avenue.
RM81	1037.73	Chiseled 2" x 2" x 4" in top, southeast corner of irrigation box at northwest corner of 39th Avenue and Lower Buckeye Road.
RM82	1053.00	Chiseled 2" x 2" x 4" in top, north corner of 5' x 8' concrete irrigation box, 1.7' above natural ground, at southwest corner of Buckeye Road and 20th Avenue; approximately 50 feet south of the centerline of Buckeye Road and approximately 52 feet west of the centerline of 39th Avenue.
RM83	1040.64	City of Phoenix brass cap in handhole at the intersection of 39th Avenue and Durango Street.

**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- ZONE D** Areas determined to be outside 500-year flood plain. Areas in which flood hazards are undetermined.

**OTHER AREAS**

- Flood Boundary**
- Floodway Boundary**
- Zone D Boundary**
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones**

**Base Flood Elevation Line; Elevation in Feet\***

**Cross Section Line**

**Base Flood Elevation in Feet Where Uniform Width Zone\***

**Elevation Reference Mark**

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, VE, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only to the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to courtwide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

**APPROXIMATE SCALE IN FEET**

1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2120 OF 4350**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	3120	E
PHOENIX, CITY OF	040091	3120	E

**MAP NUMBER 04013C2120 E**

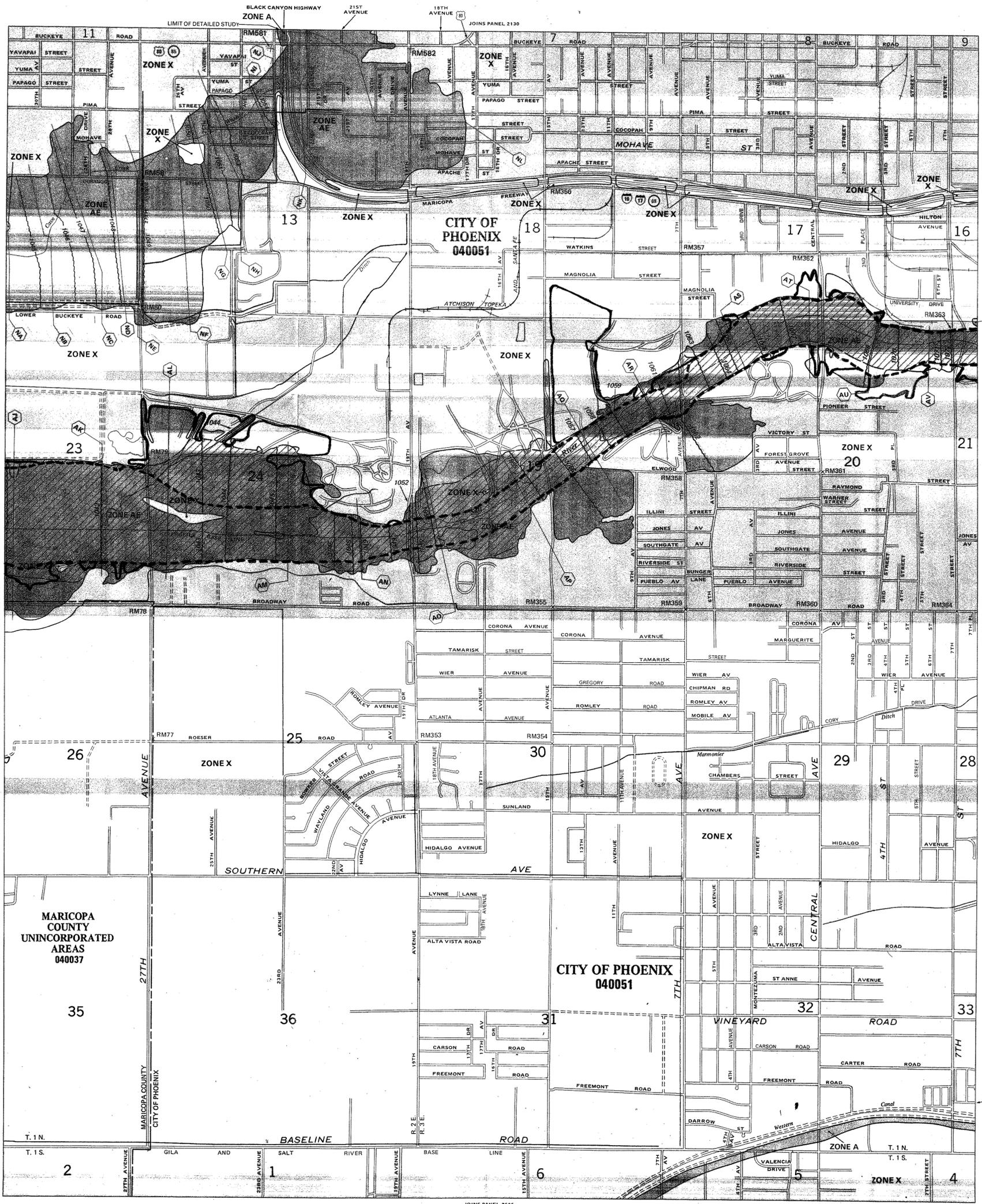
**MAP REVISED: SEPTEMBER 4, 1991**

**Federal Emergency Management Agency**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 2 EAST AND TOWNSHIP 1 SOUTH, RANGE 2 EAST

**ELEVATION REFERENCE MARKS**  
ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM77	1044.63	Cross in irrigation headwall at northeast corner of 27th Avenue and Flower Road.
RM78	1047.00	5/8 inch iron pipe surface at centerline intersection of 27th Avenue and Broadway Road.
RM79	1047.12	1/2 inch iron pipe on west side of 10-foot high berm along west side of drainage ditch, near the southeast corner of sludge pit at 27th Avenue and Flower Road.
RM80	1047.13	1 inch iron pipe in pothole at centerline intersection of 27th Avenue and Lower Buckeye Road.
RM363	1064.21	Brass cap in handhole at centerline intersection of 19th Avenue and Flower Road.
RM364	1066.90	Top of pavement at centerline intersection of 15th Avenue and Flower Road.
RM365	1061.19	Rim of handhole at centerline intersection of 15th Avenue and Broadway Road.
RM366	1067.03	4x4 brass cap set vertical in south end of east abutment of 1-10 overpass at 15th Avenue. Marked N-395.
RM367	1069.07	Brass cap in handhole at centerline intersection of 7th Avenue and Watkins Street.
RM368	1063.21	Brass cap in handhole at centerline intersection of 7th Avenue and Elwood Street.
RM369	1067.09	Brass cap in handhole at centerline intersection of 7th Avenue and Broadway Road.
RM370	1072.60	Brass cap in handhole 33 feet east of centerline intersection of Central Avenue and Broadway Road.
RM361	1073.78	Cross in south headwall at the northeast corner of Central Avenue and Elwood Street.
RM362	1075.66	Brass cap in handhole 8 feet east of back of curb of Central Avenue and Watkins Street.
RM363	1067.21	Brass cap in handhole 50 feet north of Salt River Bridge on centerline of 7th Street.
RM364	1076.79	Brass cap in handhole at centerline intersection of 7th Street and Broadway Road.
RM380	1046.59	City of Phoenix brass cap in handhole at the intersection of 27th Avenue and Duane Street.
RM561	1059.43	Cross on top center of 0.50" thick cast wall of 4' x 7' concrete irrigation box, 2' above natural ground, at southwest corner of Buckeye Road and the southbound Black Canyon Highway Frontage Road, approximately 40 feet west of the centerline of the southbound Frontage Road and approximately 58 feet south of the centerline of Buckeye Road.
RM582	1063.41	Chisped 2" x 1/2" x 1/2" in top, northwest corner of 8' x 6' concrete irrigation box with 0.50" thick walls, 2' above natural ground, at southeast corner of 19th Avenue and Buckeye Road, approximately 40 feet east of the centerline of 19th Avenue and approximately 55 feet south of the centerline of Buckeye Road.



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS INUNDATE BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 2 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.
- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Flood Elevations Within Special Flood Hazard Zones.
- 513 Base Flood Elevation Line; Elevation in Feet
- (D) Cross Section Line
- (EL 987) Base Flood Elevation in Feet Where Uniform Within Zone
- RM7X Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, V1-30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index

MAP REPOSITORY  
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:  
APRIL 15, 1988

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:  
Map revised September 29, 1989 to change base flood elevations and special flood hazard areas, to add base flood elevations and special flood hazard areas, to change zone designations, to reflect updated topographic information, to incorporate previously issued letters of map revision and map amendment, and to update map format.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**  
MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 2140 OF 4350

CONTAINS:

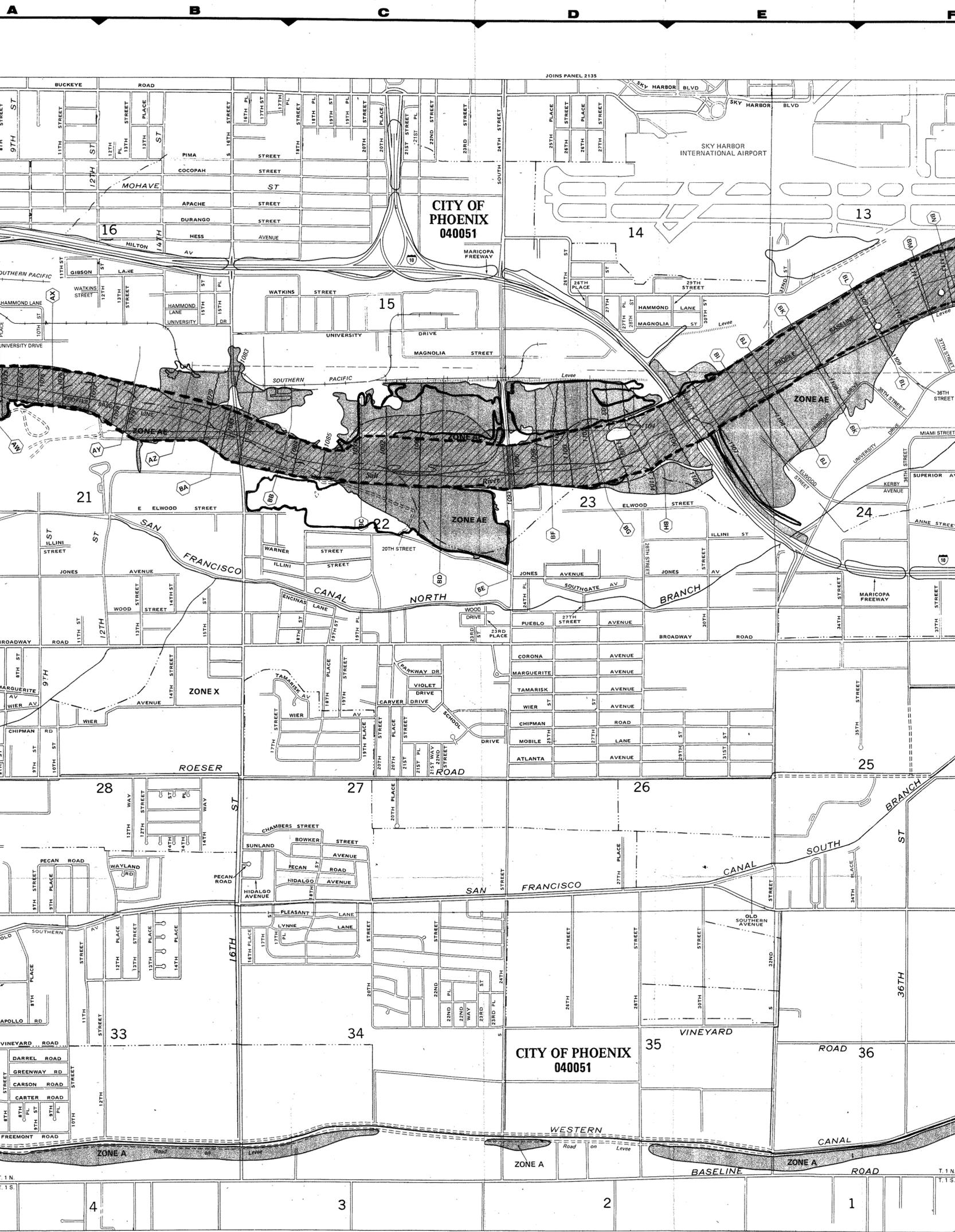
COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	2140	E
PHOENIX CITY OF	040051	2140	E

MAP NUMBER 04013C2140 E

MAP REVISED: SEPTEMBER 4, 1991



Federal Emergency Management Agency



LEGEND

- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE A0** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.
- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
- 513 Base Flood Elevation Line; Elevation in Feet\*
- (EL 987) Cross Section Line
- RM7X Base Flood Elevation in Feet Where Uniform Within Zone\*  
Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, A0, A99, V, VE, and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only to landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
DECEMBER 3, 1993

Map revised SEPTEMBER 30, 1995 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 2145 OF 4350

CONTAINS:  
COMMUNITY NUMBER PANEL SUFFIX  
PHOENIX, CITY OF 040051 2145 F

MAP NUMBER 04013C2145 F  
MAP REVISED: SEPTEMBER 30, 1995



PROOF COPY

Federal Emergency Management Agency

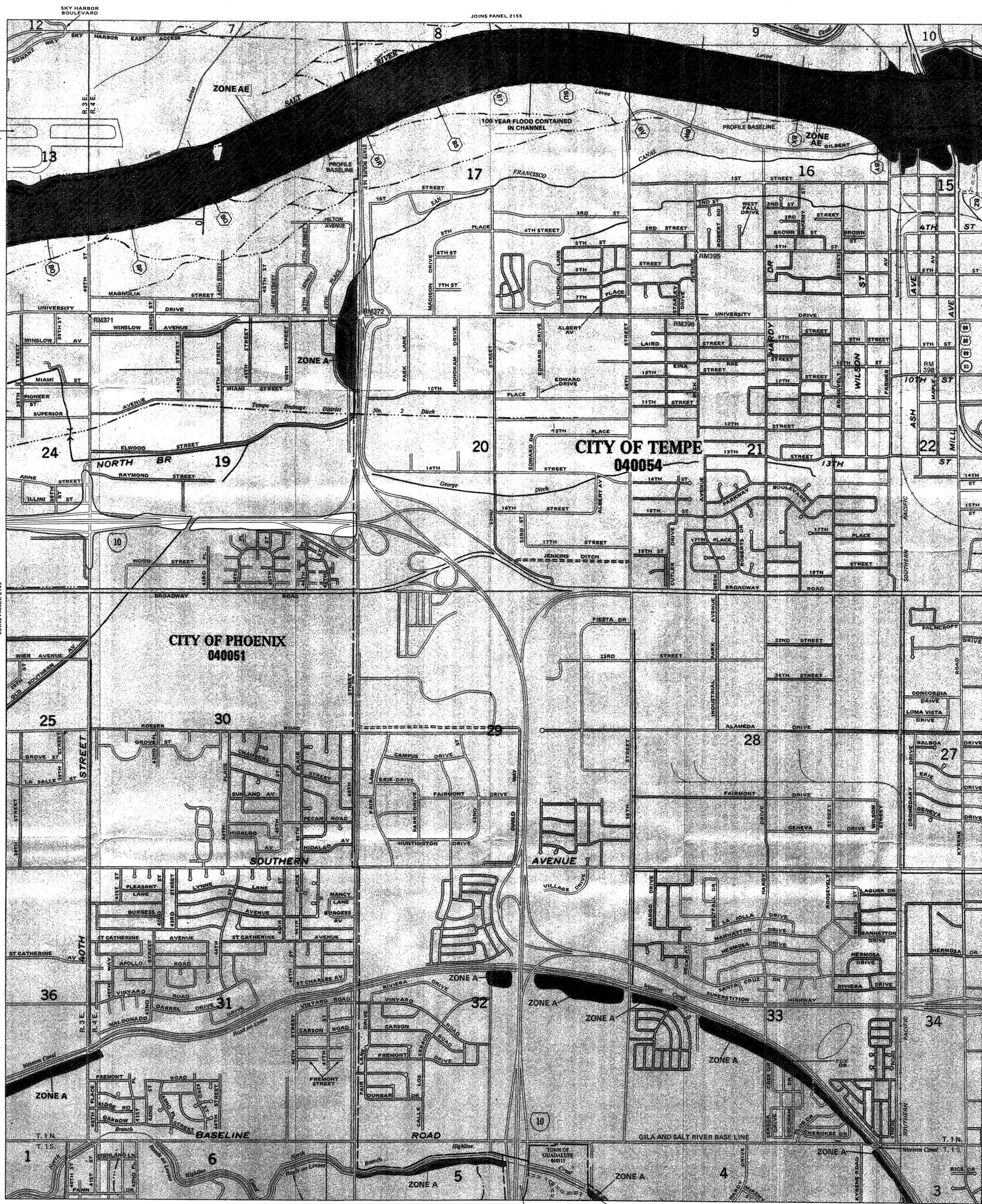
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 3 EAST AND TOWNSHIP 1 SOUTH, RANGE 3 EAST

JOINS PANEL 2610

JOINS PANEL 2140

JOINS PANEL 2155

JOINS PANEL 2133



ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NAVD83)	DESCRIPTION OF LOCATION
RM371	1138.93	3/4-inch pipe in handhole at intersection of 40th Street and University Drive.
RM372	1138.31	U.S. Army Corps of Engineers brass cap in concrete cylinder in the southwest corner of 48th Street and University Drive intersection named TTR.
RM394	1175.36	U.S. Geological Survey brass cap in concrete sidewalk at the northwest corner of the Mill Avenue bridge over Salt River, on the north side of the corner joint. Marked 122 1922.
RM399	1149.86	Top curb at center of curb return at the southeast corner of Back Avenue and 5th Street.
RM396	1147.47	Corner of concrete gutter at southwest corner of University Drive and Back Avenue.
RM398	1162.01	4x10 brass cap in concrete curb return at the southwest corner of Maple Avenue and 10th Street; 2 feet east of 36-inch concrete standpipe.

**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE A0** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**BOUNDARIES**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**ELEVATION MARKS**

- 513 Base Flood Elevation Line; Elevation in Feet
- (E) (EL 987) Cross Section Line
- (RM7 X) Base Flood Elevation in Feet Where Uniform Within Zone\* Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1, 30, AE, AH, A0, A99, V, VE, and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
DECEMBER 3, 1993

Map revised SEPTEMBER 30, 1993 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to add and update roads and road names, to reflect updated topographic information, to incorporate previously issued letters of map revision, and to incorporate previously issued letters of map amendment.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2165 OF 4350**

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
GUADALUPE, TOWN OF	040111	2165	F
MARICOPA COUNTY, UNINCORPORATED AREAS	040027	2165	F
PHOENIX, CITY OF	040051	2165	F
TEMPE, CITY OF	040054	2165	F

**MAP NUMBER**  
04013C2165 F

**MAP REVISED:**  
SEPTEMBER 30, 1995

**Federal Emergency Management Agency**

1  
2  
3  
4  
5  
6

JOINS PANEL 2145

JOINS PANEL 2170

JOINS PANEL 2155

JOINS PANEL 2620

MARICOPA COUNTY UNINCORPORATED AREAS 040027

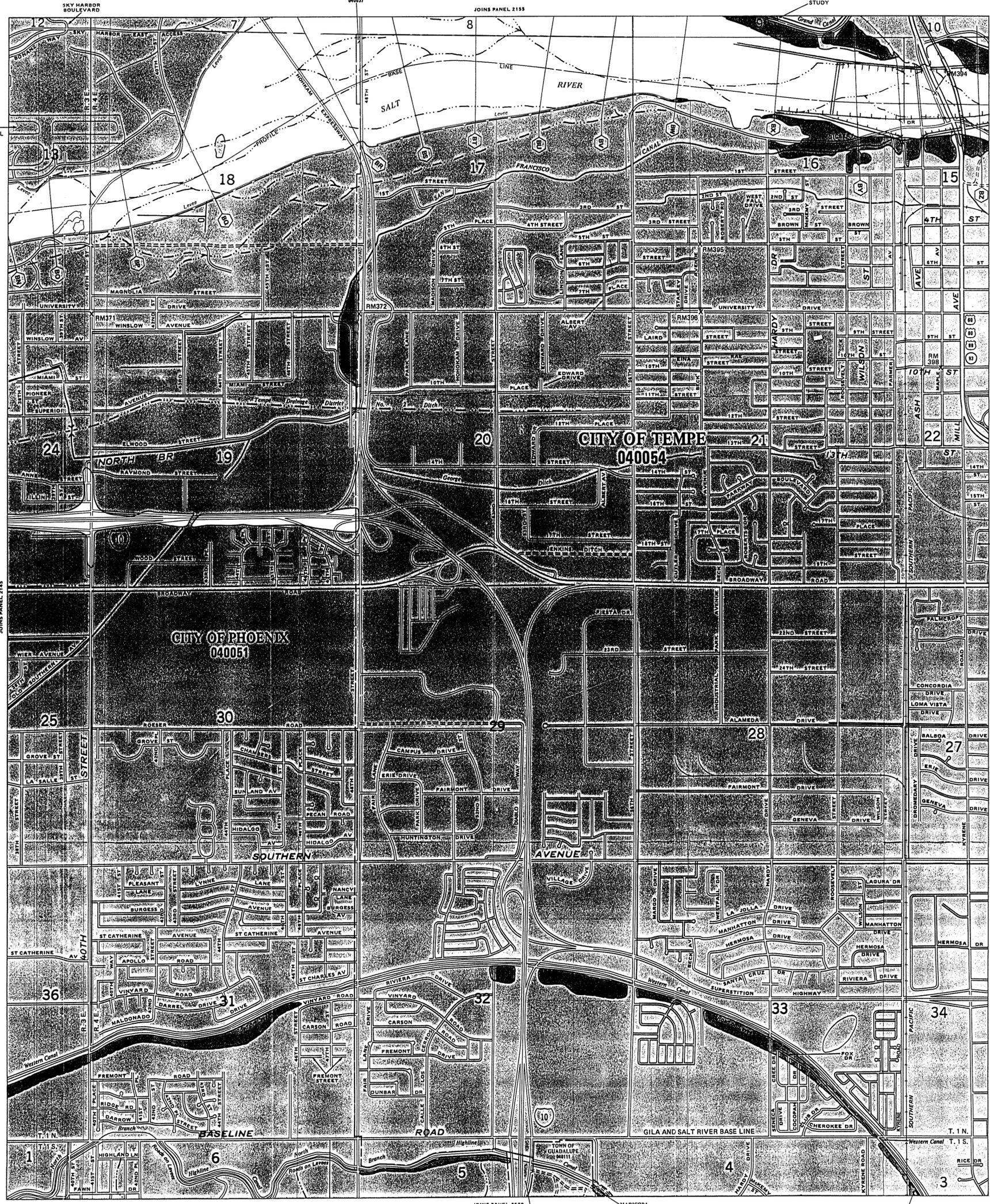
MARICOPA COUNTY UNINCORPORATED AREAS 040027

MARICOPA COUNTY UNINCORPORATED AREAS 040027

PHOENIX  
SKY HARBOR  
INTERNATIONAL  
AIRPORT

MARICOPA COUNTY  
UNINCORPORATED AREAS  
040037

LIMIT OF  
DETAILED  
STUDY



ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM371	1118.93	1 1/2 inch pipe in handhole at intersection of 40th Street and University Drive.
RM372	1128.31	U.S. Army Corps of Engineers brass cap in concrete cylinder in the southwest corner of 48th Street and University Drive intersection stamped TTRB.
RM394	1175.38	U.S. Geological Survey brass cap in concrete sidewalk at the north-west corner of the Mill Avenue bridge over Salt River, on the north side of the corner post. Marked 623 1933.
RM395	1149.88	Top of curb at center of curb return at the southwest corner of Beck Avenue and 5th Street.
RM396	1147.47	Corner of concrete gutter at southwest corner of University Drive and Beck Avenue.
RM398	1162.01	AHD brass cap in concrete curb return at the southwest corner of Maple Avenue and 10th Street; 2 feet east of 38-inch concrete standpipe.

**KEY TO MAP**

- 500-Year Flood Boundary
- 100-Year Flood Boundary
- FLOODWAY FRINGE
- 100-Year Flood Boundary
- 500-Year Flood Boundary
- Approximate 100-Year Flood Boundary
- Cross Section Line
- Elevation Reference Mark
- River Mile

**NOTES TO USER**

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

This map was prepared to facilitate flood plain management activities only. It may not show all special flood hazard areas in the community or all planimetric features outside of the flood plain. Refer to the latest official Flood Insurance Rate Map for any additional areas of special flood hazard.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/20 inch.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For adjoining map panels, see separately printed Index to Map Panels.

APPROXIMATE SCALE IN FEET

1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FLOODWAY FLOOD BOUNDARY AND FLOODWAY MAP**

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 2165 OF 4350

CONTAINS:

COMMUNITY	NUMBER	PANEL
GUADALUPE, TOWN OF	040111	2165
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2165
PHOENIX, CITY OF	040001	2165
TEMPE, CITY OF	040066	2165

MAP NUMBER  
04013C2165

EFFECTIVE DATE:  
APRIL 15, 1988

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM83	1174.96	Top of pavement at centerline intersection of Hayden Road and Princess Drive West.

Indian Bend Wash  
Low Flow Channel  
Main Flow Channel

PROFILE BASE LINE  
JOINS PANEL 1695

**KEY TO MAP**

500-Year Flood Boundary  
100-Year Flood Boundary  
Zone Designations

100-Year Flood Boundary  
500-Year Flood Boundary  
Base Flood Elevation Line With Elevation In Feet\*\*  
Base Flood Elevation in Feet Where Uniform Within Zone\*\*  
Elevation Reference Mark  
Zone D Boundary  
River Mile

Zone A  
Zone B  
513  
(EL 987)  
RM7x  
+M1.5  
\*\*Referenced to the National Geodetic Vertical Datum of 1929

**EXPLANATION OF ZONE DESIGNATIONS**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

**NOTES TO USER**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Certain areas not in the Special Flood Hazard Areas (Zones A and V) may be protected by flood control structures.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 5.4 of the Flood Insurance Study Report.

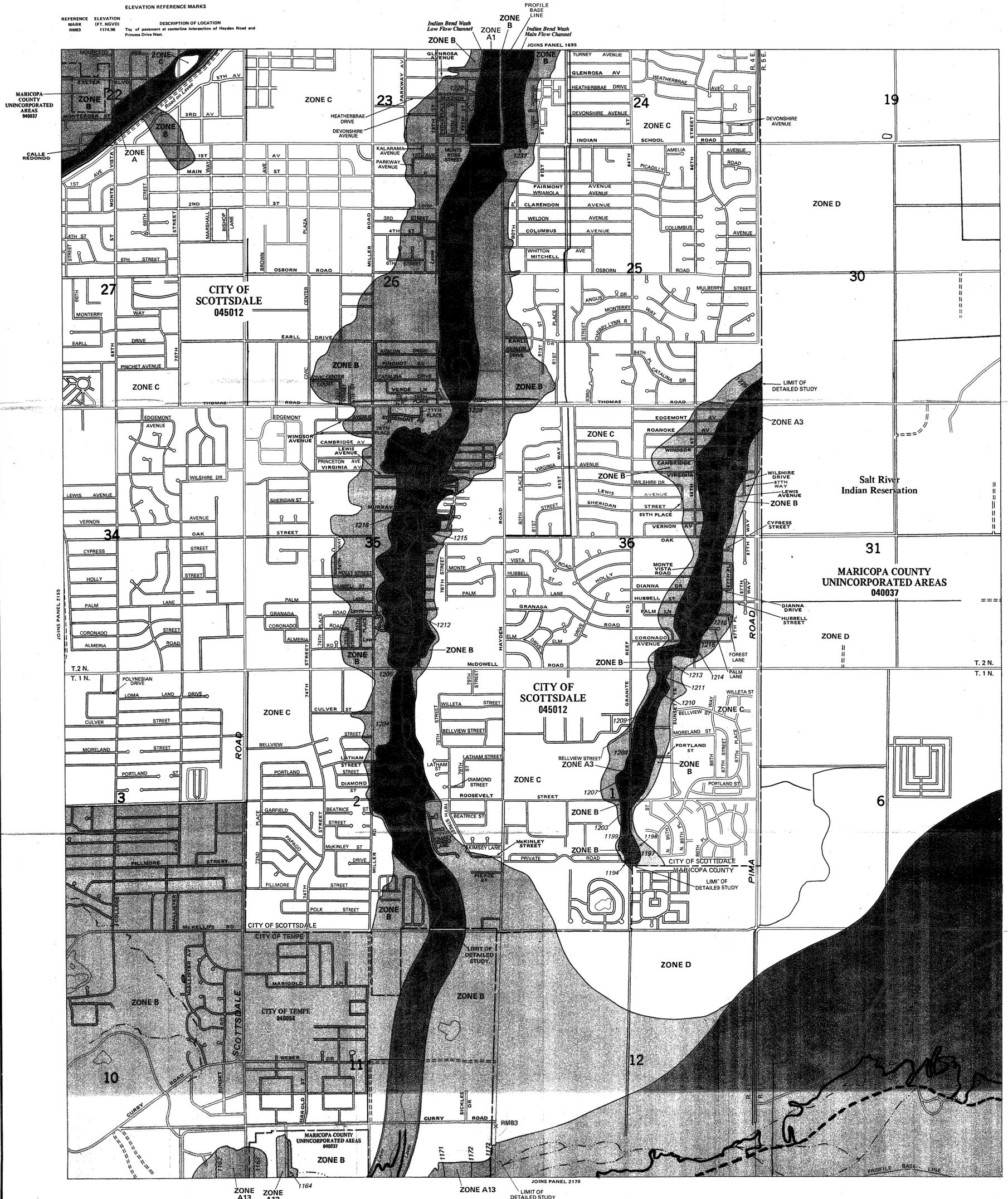
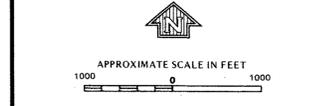
For adjoining map panels, see separately printed Map Index.

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:  
APRIL 15, 1988

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine when actuarial rates apply to structures in the zones where elevations or depths have been established.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620.



**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARI COPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2160 OF 4350**

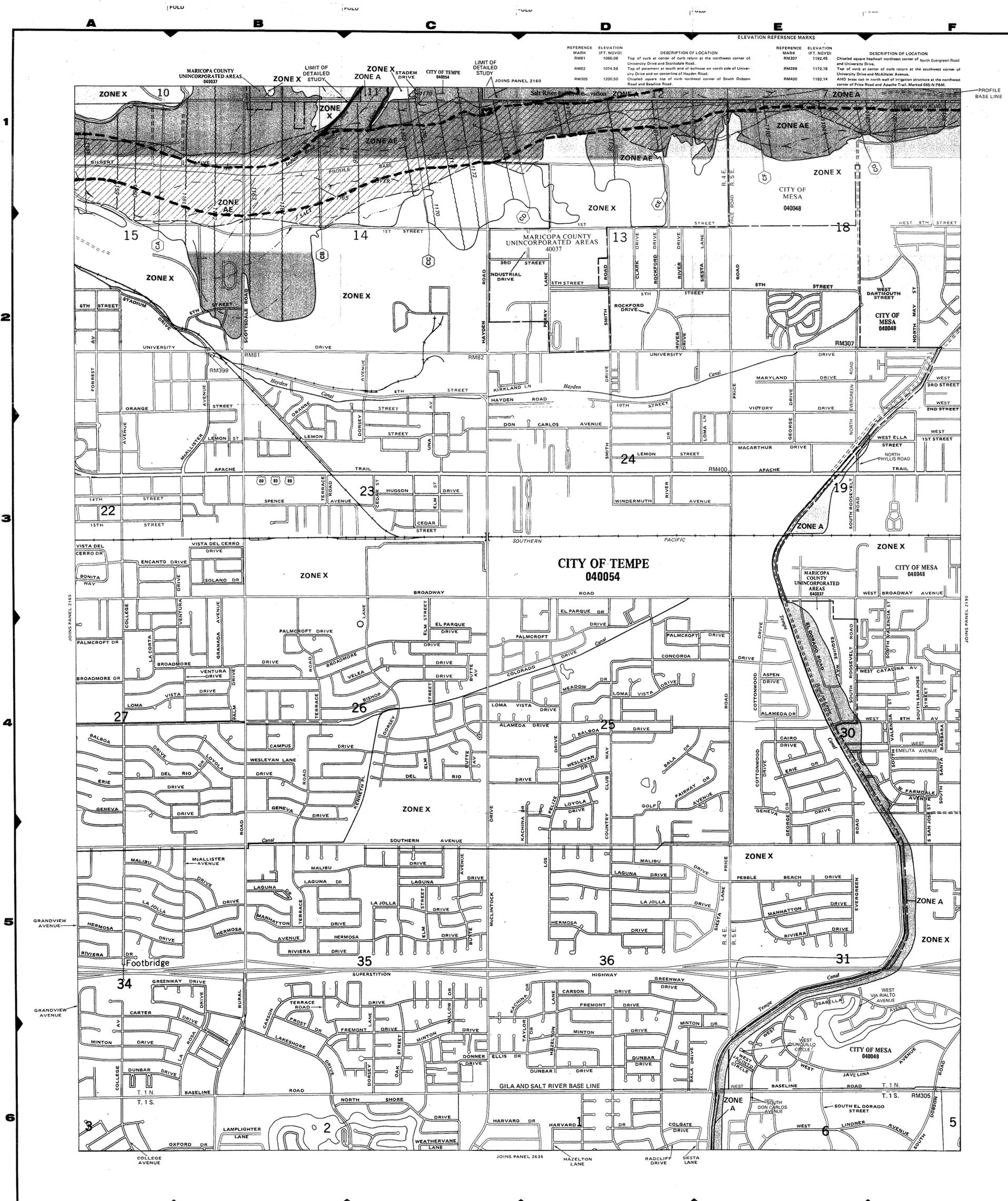
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MARI COPA COUNTY UNINCORPORATED AREAS	040037	2160	D
SCOTTSDALE, CITY OF	040912	2160	D
TEMPE, CITY OF	040954	2160	D

MAP NUMBER  
04013C2160 D

EFFECTIVE DATE:  
APRIL 15, 1988

Federal Emergency Management Agency



REFERENCE MARK	ELEVATION (FT. NAVD)	DESCRIPTION OF LOCATION	REFERENCE MARK	ELEVATION (FT. NAVD)	DESCRIPTION OF LOCATION
RM1	1066.08	Top of curb at center of curb return at the northwest corner of University Drive and Scottsdale Road.	RM307	1192.45	Chisled square headwall northeast corner of North Evergreen Road and University Drive.
RM2	1074.58	Top of pavement at south end of bollards on north side of University Drive and on centerline of Hayden Road.	RM399	1172.18	Top of curb at center of curb return at the southwest corner of University Drive and McAllister Avenue.
RM305	1200.50	Chisled square top of curb northeast corner of South Dobson Road and Baseline Road.	RM400	1192.14	AND areas east in north wall of irrigation structure at the northwest corner of Price Road and Apache Trail, Marked 66-N.P.M.

### LEGEND

**SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE A0** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**BOUNDARIES**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**BASE FLOOD ELEVATION LINE: ELEVATION IN FEET\***

**CROSS SECTION LINE**

**BASE FLOOD ELEVATION IN FEET WHERE UNIFORM WITHIN ZONE\***

**ELEVATION REFERENCE MARK**

\*Referenced to the National Geodetic Vertical Datum of 1929

### NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1, 30, AE, AH, A0, A99, V, V1, 30 and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1998

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

**APPROXIMATE SCALE IN FEET**  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2170 OF 4350**

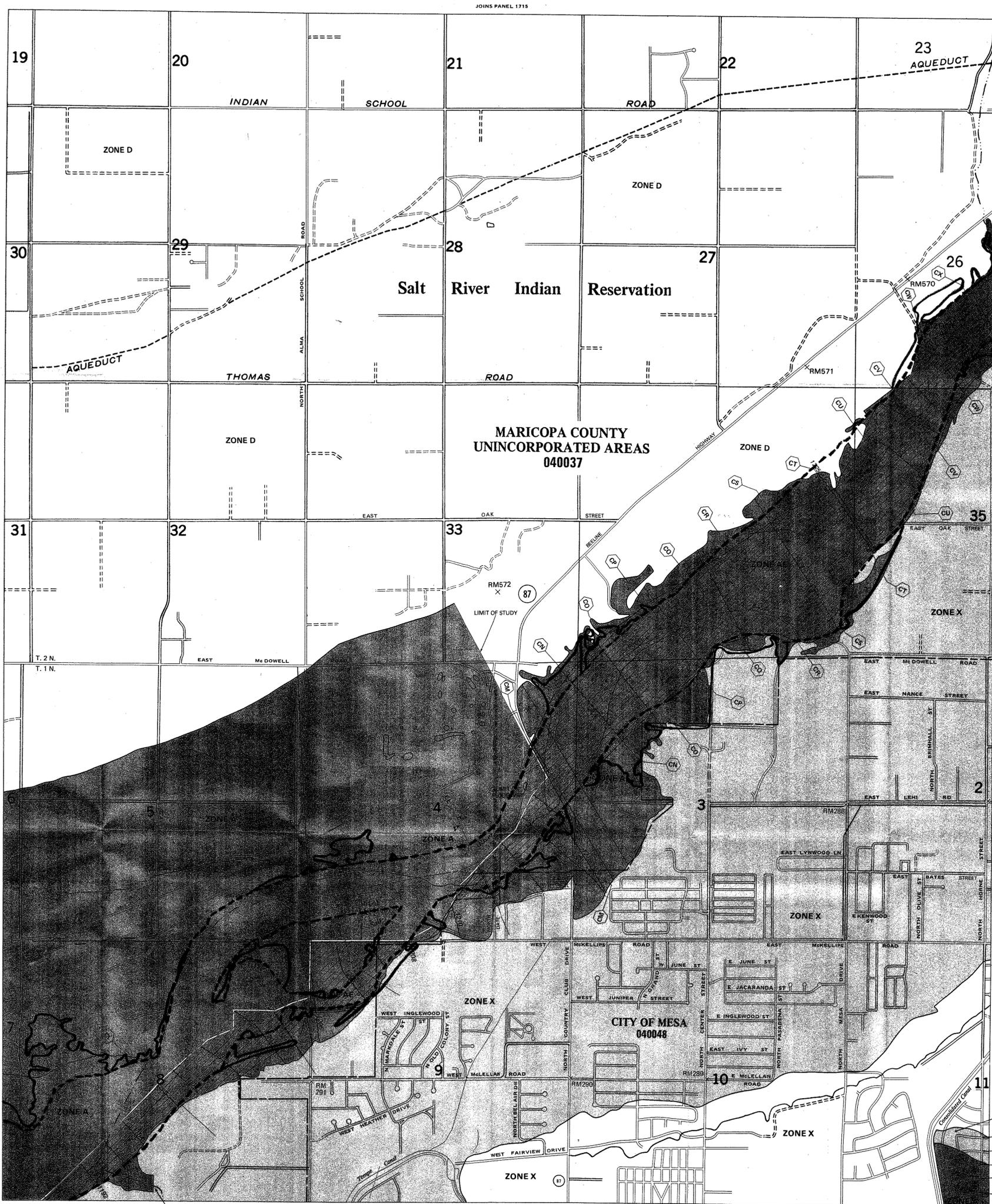
**CONTAINS:**

COMMUNITY	NUMBER	PANEL SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	2170 E
MESA, CITY OF	040048	2170 E
TEMPE, CITY OF	040054	2170 E

**MAP NUMBER**  
04013C2170E

**MAP REVISED:**  
SEPTEMBER 4, 1991

**Federal Emergency Management Agency**



**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NVD)	DESCRIPTION OF LOCATION
RM266	1234.84	Chiseled square top of curb northeast corner of North Horne Street and East Lehi Road
RM288	1230.00	Chiseled square headwall southwest corner of North Mesa Drive and East Lehi Road
RM289	1220.27	Chiseled square top of curb east side of North Center Street and East McLellan Road
RM290	1212.83	Chiseled square top of curb northeast corner of North Country Club Drive and West McLellan Road
RM291	1205.46	Chiseled square top of curb southeast corner of North Alma School Road and West McLellan Road
RM570	1260.31	BM No. 15, a No. 4 rebar with aluminum cap stamped B.N.15 1260.31 on north right-of-way fence S.R. 87, S.R. 87 M.P. 193.00
RM571	1252.54	BM No. 16, a No. 4 rebar with aluminum cap stamped B.N.16 1252.54 at east right-of-way fence S.R. 87, S.R. 87 M.P. 179.41
RM572	1221.58	BM No. 17, a No. 4 rebar with aluminum cap stamped B.N.17 1221.58 85 northwest of north end cross section PL No. 132 on cross section line west of S.R. 87 M.P. 178.02

**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE A0** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of diurnal fast flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**BOUNDARIES**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**ELEVATION MARKS**

- 513 Base Flood Elevation Line; Elevation in Feet\*
- (EL 987) Cross Section Line
- RM7x Base Flood Elevation in Feet Where Uniform Within Zone\* Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, A0, A99, V, VE, 30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections along the interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and flood names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6520.

**APPROXIMATE SCALE IN FEET**  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

PANEL 2180 OF 4350

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2180	E
MESA CITY OF	040048	2180	E

**MAP NUMBER**  
04013C2180 E

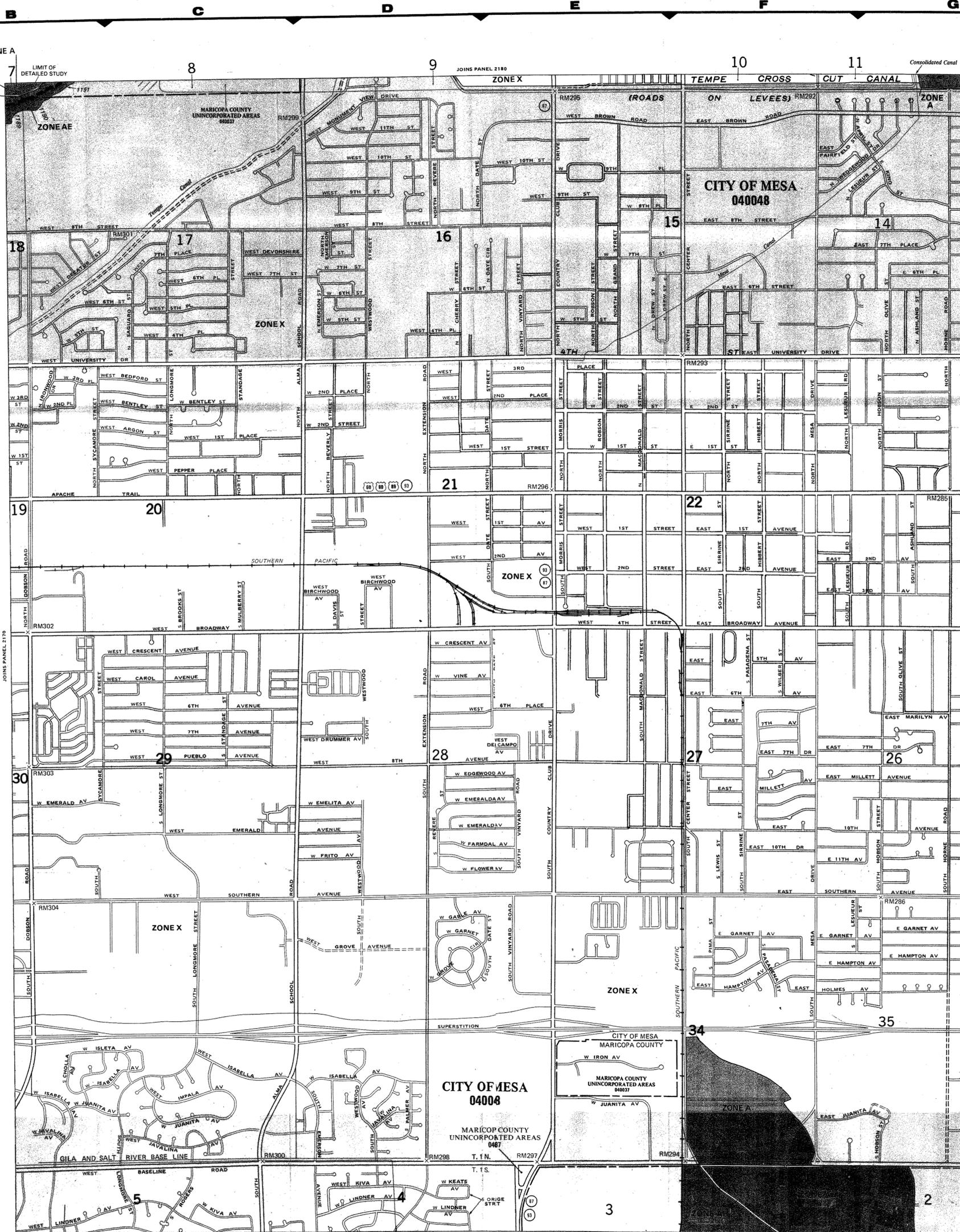
**MAP REVISED:**  
SEPTEMBER 4, 1991

**Federal Emergency Management Agency**

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 5 EAST AND TOWNSHIP 2 NORTH, RANGE 5 EAST

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM284	1256.68	Chisled square irrigation works at Consolidated Canal and North Horse Road
RM285	1238.40	Chisled square top of curb northwest corner of North Horse Road and Apache Trail (East Main Street)
RM286	1220.57	Chisled square top of curb southwest corner of South Hobson Street and East Southern Avenue
RM287	1211.35	Brass cap at northeast corner of intersection of Baseline Road and McDowell Road
RM292	1250.67	B.C. bridge at North Mesa Drive and Tempe Crosscut Canal
RM293	1243.58	Chisled square top of curb northwest corner North Center Street and West University Drive
RM294	1212.38	Chisled square irrigation works northwest corner of South Center Street and West Baseline Road
RM295	1251.96	Chisled square southeast corner bridge at Tempe Crosscut Canal and North Country Club Drive
RM296	1238.55	Chisled square top of curb northwest corner of Country Club Drive and West Main Street Apache Trail
RM297	1210.77	Brass cap top of curb southwest corner of South Country Club Drive and West Baseline Road
RM298	1209.70	"X" on irrigation works northwest corner of South Extension Road and West Baseline Road
RM299	1205.68	Chisled square on sidewalk of northwest corner of bridge on North Alma School Road and Tempe Canal
RM300	1206.61	Chisled square baseball northeast corner of South Alma School Road and West Baseline Road
RM301	1205.79	Chisled square irrigation box on southwest corner at Tempe Canal and West Eighth Street
RM302	1211.63	Chisled square top of curb northwest corner of North Dobson Road and West Broadway Avenue
RM303	1204.69	Chisled square top of curb northwest corner of South Dobson Road and West 8th Avenue
RM304	1201.46	Chisled square top of curb southeast corner of South Dobson Road and West Southern Avenue



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100 year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.
- Flood Boundary**
- Floodway Boundary**
- Zone D Boundary**
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.**
- 513** Base Flood Elevation Line; Elevation in Feet
- (EL 987)** Cross Section Line
- RM7x** Base Flood Elevation in Feet Where Uniform Within Zone\*
- RM7x** Elevation Reference Mark

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, V1-30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

APRIL 15, 1988

For adjoining map panels see separately printed Map Index

MAP REPOSITORY  
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:  
APRIL 15, 1988

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:  
Map revised DECEMBER 3, 1993, to change base flood elevations, to add base flood hazard areas, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names, to reflect updated topographic information, and to incorporate previously issued letters of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET  
1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**  
**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

PANEL 2190 OF 4350

COMMUNITY	NUMBER	PANEL	SUFFIX
GILBERT, TOWN OF	040044	2180	E
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2190	E
MESA, CITY OF	040048	2190	E

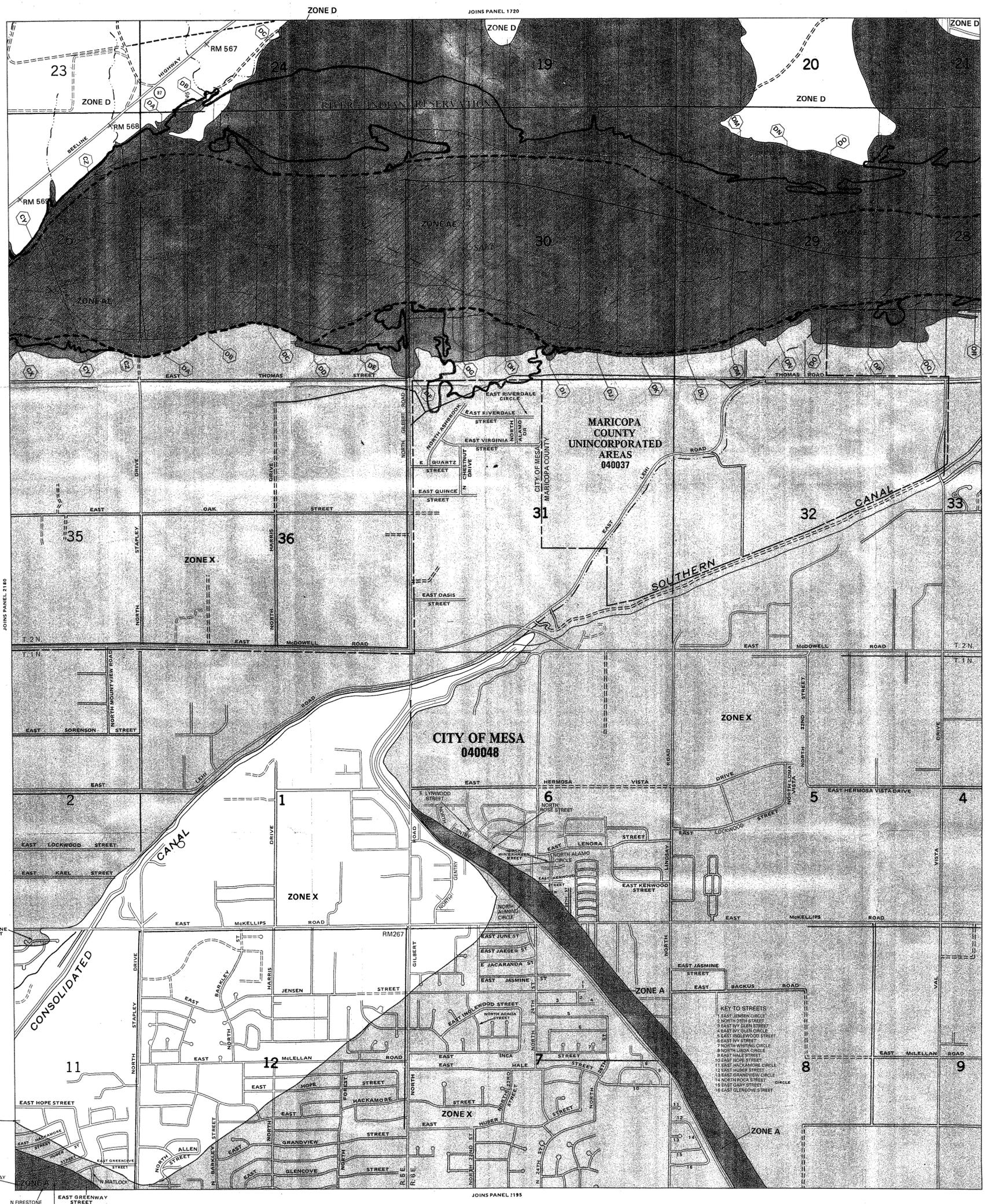
MAP NUMBER 04013C2190 E

MAP REVISED: DECEMBER 3, 1993



Federal Emergency Management Agency

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSH1 NORTH, RANGE 5 EAST AND TOWNSHIP 1 SOUTH, RANGE 5 EAST



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**
- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.
- Flood Boundary**
- Floodway Boundary**
- Zone D Boundary**
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.**
- 513** Base Flood Elevation Line; Elevation in Feet
- (E.L. 987)** Cross Section Line
- RM7x** Base Flood Elevation in Feet Where Uniform Within Zone
- RM7x** Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

**NOTES**

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, VE, 30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

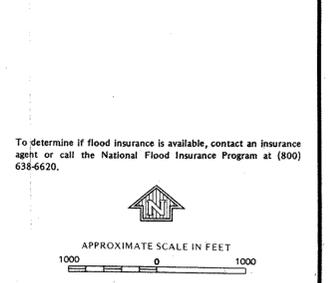
For adjoining map panels see separately printed Map Index.

MAP REPOSITORY  
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:  
APRIL 15, 1988

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add special flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NAVD83)	DESCRIPTION OF LOCATION
RM267	1,285.49	Bress cap on northwest corner of irrigation box of southwest corner of North Gilbert Road and East McKellips Road.
RM567	1,277.39	B&N No. 12, a No. 4 rebar with aluminum cap stamped B.N.12 1,277.39 on south right-of-way fence of S.R. 87, S.R. 87 M.P. 181.00.
RM568	1,274.80	B&N No. 13, a No. 4 rebar with aluminum cap stamped B.N.13 1,274.80 on south right-of-way fence of S.R. 87, S.R. 87 M.P. 181.00.
RM569	1,269.90	B&N No. 14, brass cap in concrete at south right-of-way fence of S.R. 87, S.R. 87 M.P. 180.82 Elevation 1,269.90.

JOINS PANEL 2180

JOINS PANEL 2205

- KEY TO STREETS**
- 1 EAST JENKIN CIRCLE
  - 2 NORTH 20TH STREET
  - 3 EAST IVY STREET
  - 4 EAST IVY CIRCLE
  - 5 EAST INGLEWOOD STREET
  - 6 EAST IVY STREET
  - 7 NORTH WHITING CIRCLE
  - 8 EAST HALL STREET
  - 9 EAST HALL STREET
  - 10 EAST HALL STREET
  - 11 EAST HALL STREET
  - 12 EAST HALL STREET
  - 13 EAST GRANDVIEW CIRCLE
  - 14 NORTH ROCKA STREET
  - 15 EAST QUINN STREET
  - 16 EAST QUINN STREET
  - 17 EAST GLENCOVE STREET

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**  
**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

PANEL 2185 OF 4350

CONTAINS:

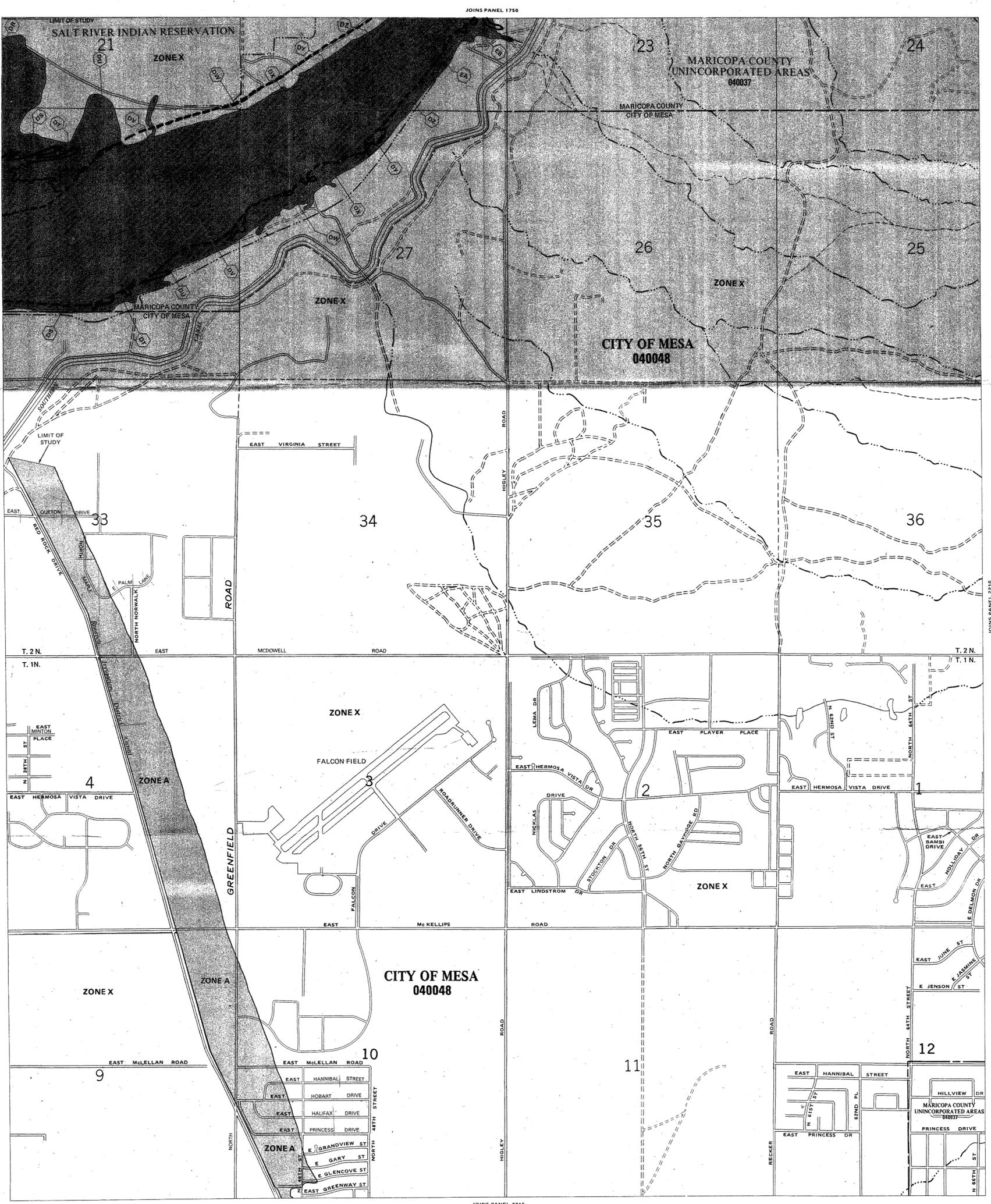
COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	2185	E
MESA, CITY OF	040048	2185	E

MAP NUMBER  
04013C2185 E

MAP REVISED:  
SEPTEMBER 4, 1991



Federal Emergency Management Agency



### LEGEND

**SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually area of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

— Flood Boundary  
 - - - Floodway Boundary  
 - - - Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Base Flood Elevations Within Special Flood Hazard Zones.

513 Base Flood Elevation Line; Elevation in Feet\*

(D) Cross Section Line

(EL 987) Base Flood Elevation in Feet Where Uniform Within Zone\*

RM7x Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

### NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, A1-30, AE, AH, AO, A99, V, VE-30 AND VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
 Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
 APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**

Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

APPROXIMATE SCALE IN FEET  
 1000 0 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM**  
**FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 2205 OF 4350**

**CONTAINS:**

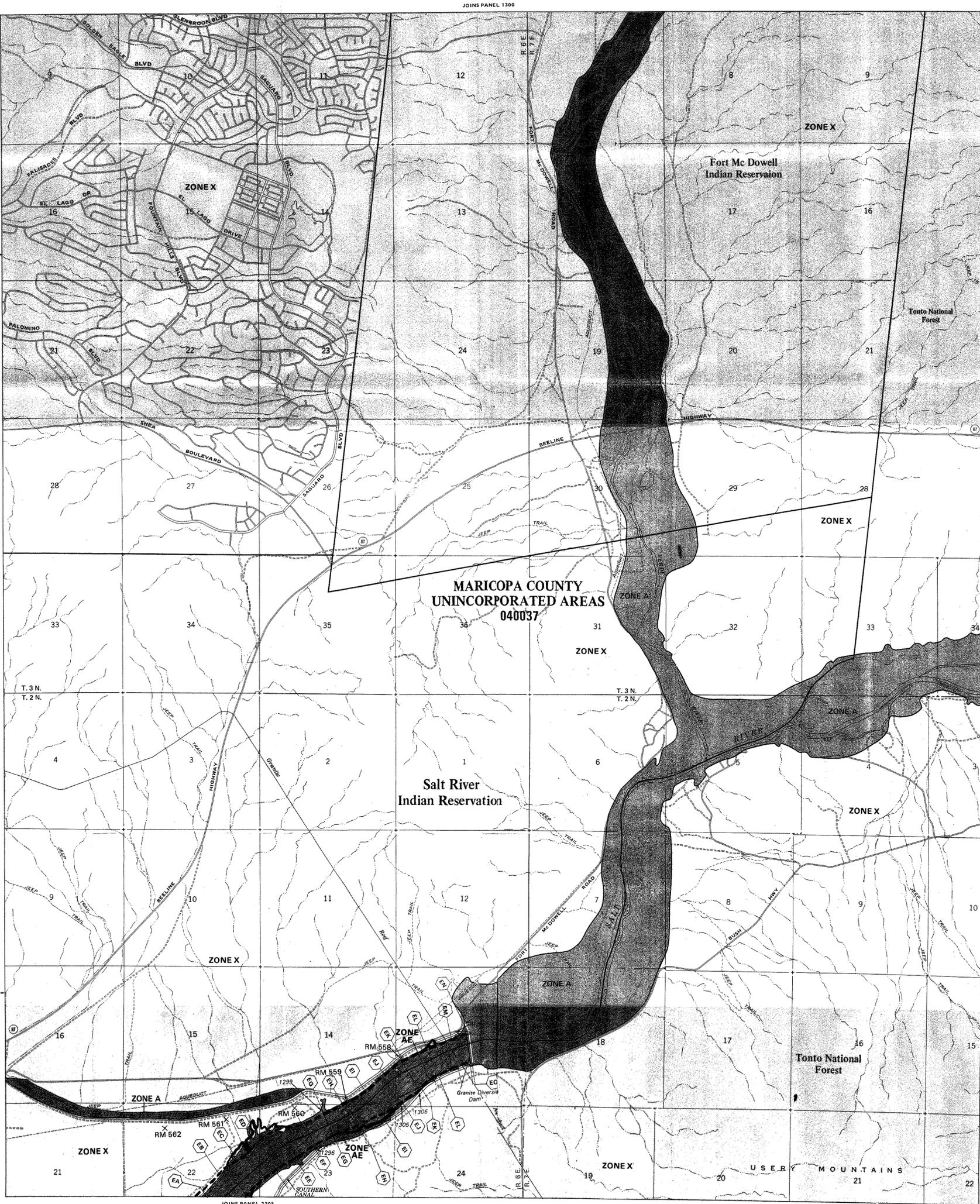
COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	2205	E
MESA, CITY OF	040048	2205	E

**MAP NUMBER**  
 04013C2205 E

**MAP REVISED:**  
 SEPTEMBER 4, 1991

Federal Emergency Management Agency

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 NORTH, RANGE 6 EAST AND TOWNSHIP 2 NORTH, RANGE 6 EAST



### LEGEND

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE X** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

— Flood Boundary  
 - - - Floodway Boundary  
 - - - Zone D Boundary  
 - - - Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones  
 - - - 513 - - - Base Flood Elevation Line; Elevation in Feet\*  
 (D) - (D) - - - Cross Section Line  
 (IEL 987) - - - Base Flood Elevation in Feet Where Uniform Within Zone\*  
 RM7 X - - - Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

### NOTES

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Areas of special flood hazard (100-year flood) include Zones A, AE, AH, AD, A99, V, VE, and X.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths, in some areas, may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Coastal base flood elevations apply only landward of the shoreline.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of the map.

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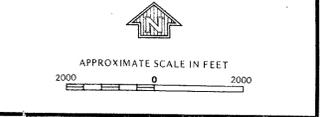
For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.



### ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT) (MVD)	DESCRIPTION OF LOCATION
RM557	1,314.04	B.M. (1925) AZ. M. for In-Station "Dante's" Bureau of Reclamation brass cap at west end of concrete wingwall at south side of north gate house at Granite Hill Dam, stamped 5 at top of cross 1214-04 (Theodore DeWitt)
RM558	1,313.36	B.M. No. 1. Elevation equals 1,313.36 feet P.K. nail in lead plug 1 foot west of east end of concrete wingwall at southeast corner of bridge across the Arizona Canal.
RM559	1,312.47	B.M. No. 2. 4 inch x 4 inch aluminum cap stamped B.N.2. 1,312.47, approximately 5 feet south of a 4-inch diameter signpost; 10 feet south of south canal road, approximately 100 feet east of "T" in canal road to dirt road west.
RM560	1,313.07	V.C. 11-A. 3 B.L.M. brass cap stamped 11 118 514 523 T2N R6E 187A, Elevation 1,313.07.
RM561	1,305.81	B.M. No. 3. 4 inch x 4 inch aluminum cap stamped B.N.3. 1,305.84, approximately 50 feet north of north edge of gravel road approximately 100 feet west of 50' wide dirt channel.
RM562	1,301.45	B.M. No. 4. 4 inch x 4 inch aluminum cap stamped B.N.4. 1,301.45, 30 feet south of the south edge of gravel road south of canal road.

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 1750 OF 4350**

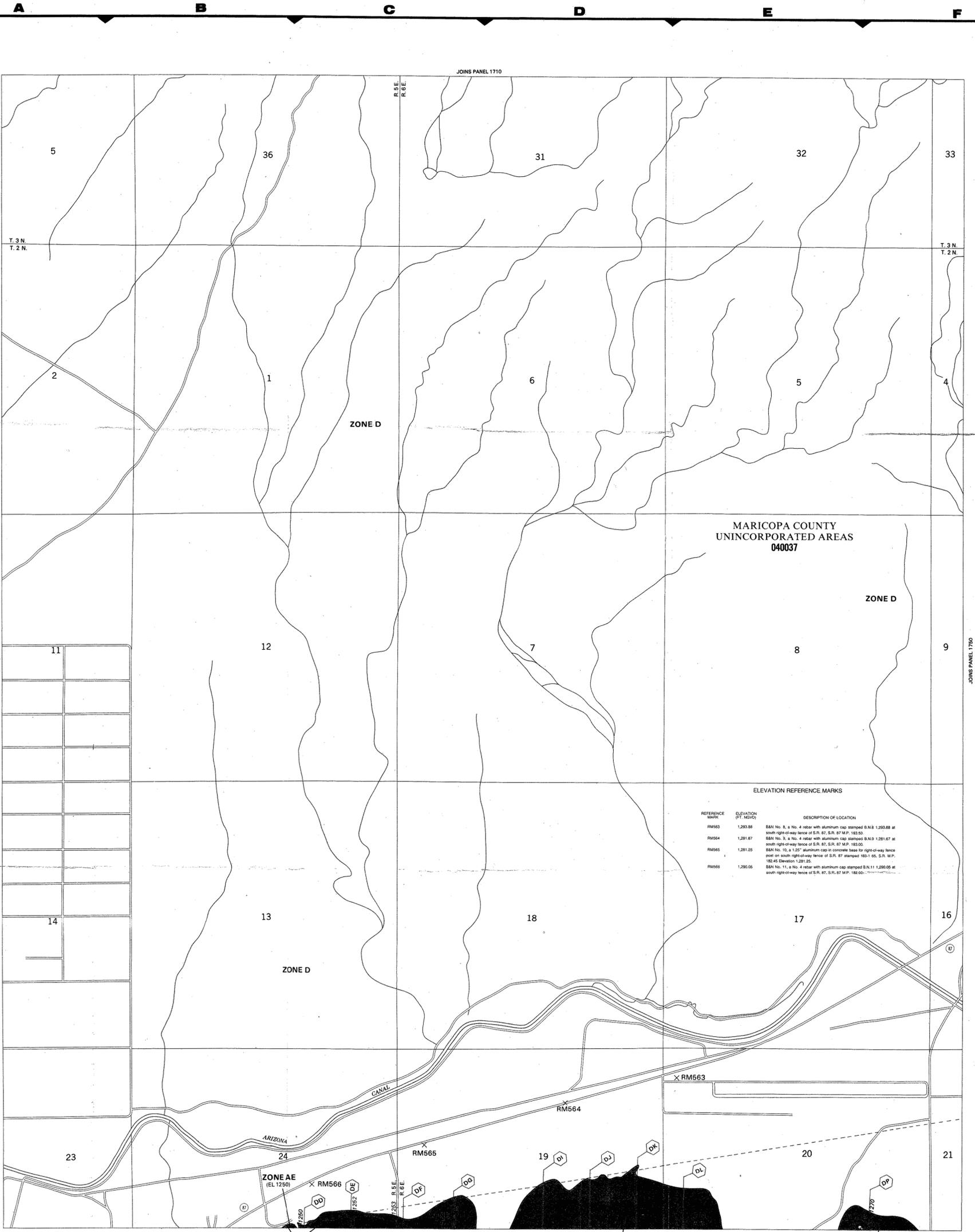
**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY, UNINCORPORATED AREAS	040037	1750	E

**MAP NUMBER 04013C1750 E**

**MAP REVISED: SEPTEMBER 4, 1991**

Federal Emergency Management Agency



### LEGEND

**SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD**

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

**FLOODWAY AREAS IN ZONE AE**

**OTHER FLOOD AREAS**

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

**OTHER AREAS**

- ZONE D** Areas determined to be outside 500-year flood plain.
- ZONE D** Areas in which flood hazards are undetermined.

**Boundaries**

- Flood Boundary
- Floodway Boundary
- Zone D Boundary
- Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

**513** Base Flood Elevation Line; Elevation in Feet\*

**(D)** Cross Section Line

**(EL 987)** Base Flood Elevation in Feet Where Uniform Within Zone\*

**RM7x** Elevation Reference Mark

\*Referenced to the National Geodetic Vertical Datum of 1929

### NOTES

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For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels see separately printed Map Index.

**MAP REPOSITORY**  
Refer to Repository Listing on Index Map

**EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:**  
APRIL 15, 1988

**EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:**  
Map revised September 4, 1991 to update corporate limits, to change base flood elevations, to add base flood elevations, to add special flood hazard areas, to change special flood hazard areas, to change zone designations, to update map format, to add roads and road names and to incorporate previously issued letter of map revision.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6620.

**APPROXIMATE SCALE IN FEET**  
1000 0 1000

#### ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT. NGVD)	DESCRIPTION OF LOCATION
RM563	1,293.88	BM No. 8, a No. 4 rebar with aluminum cap stamped S.N.8 1,293.88 at south right-of-way fence of S.R. 87, S.R. 87 M.P. 183.00
RM564	1,281.67	BM No. 9, a No. 4 rebar with aluminum cap stamped S.N.9 1,281.67 at south right-of-way fence of S.R. 87, S.R. 87 M.P. 183.00
RM565	1,281.25	BM No. 10, a 1.25" aluminum cap in concrete base for right-of-way fence post on south right-of-way fence of S.R. 87 stamped S.N.10 1,281.25
RM566	1,290.05	BM No. 11, a No. 4 rebar with aluminum cap stamped S.N.11 1,290.05 at south right-of-way fence of S.R. 87, S.R. 87 M.P. 182.00

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS**

**PANEL 1720 OF 4350**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS . . . . .	040037 . . . . .	1720 . . . . .	E

**MAP NUMBER 04013C1720E**

**MAP REVISED: SEPTEMBER 4, 1991**

**Federal Emergency Management Agency**