ADOBE DAM/DESERT HILLS

AREA DRAINAGE MASTER PLAN

Part 4

Floodplain Delineation Study

Upper Skunk Creek & Tributaries

Technical Data Notebook

Volume 2

Flood Control District of Maricopa County

November 2004

Flood Control District of Maricopa County, Arizona
FLOODPLAIN DELINEATION STUDY
OF
UPPER SKUNK CREEK AND TRIBUTARIES
ADOBE DAM / DESERT HILLS AREA DRAINAGE MASTER PLAN FCD 2002C001
FCD 2002C001

TECHNICAL DATA NOTEBOOK
VOLUME 2 (Exhibits)

Submitted by:

JE Fuller / Hydrology and Geomorphology, Inc.
8400 S. Kyrene, Suite 201
Tempe, Arizona 85284
(480) 752-2124

on behalf of:

Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ 85009
(602) 506-1501

Registered Professional Engineer (Civil)
CERTIFICATE NO.
29325
BRIAN R.
ISERMAN
Date Signed 11-12-04
ARIZONA, U.S.A.

November, 2004

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EXHIBITS A and B
VOLUME 2 OF THE TDN

EXHIBITS

Exhibit A: Zone A and Zone AE Work Study Map

Exhibit B: Annotated Flood Insurance Rate Maps

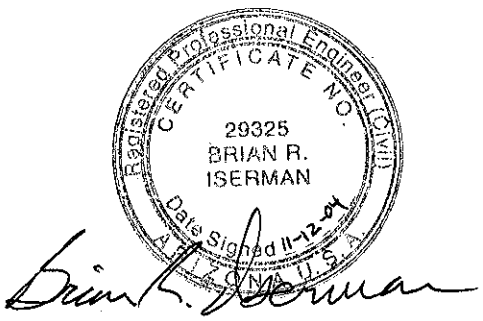
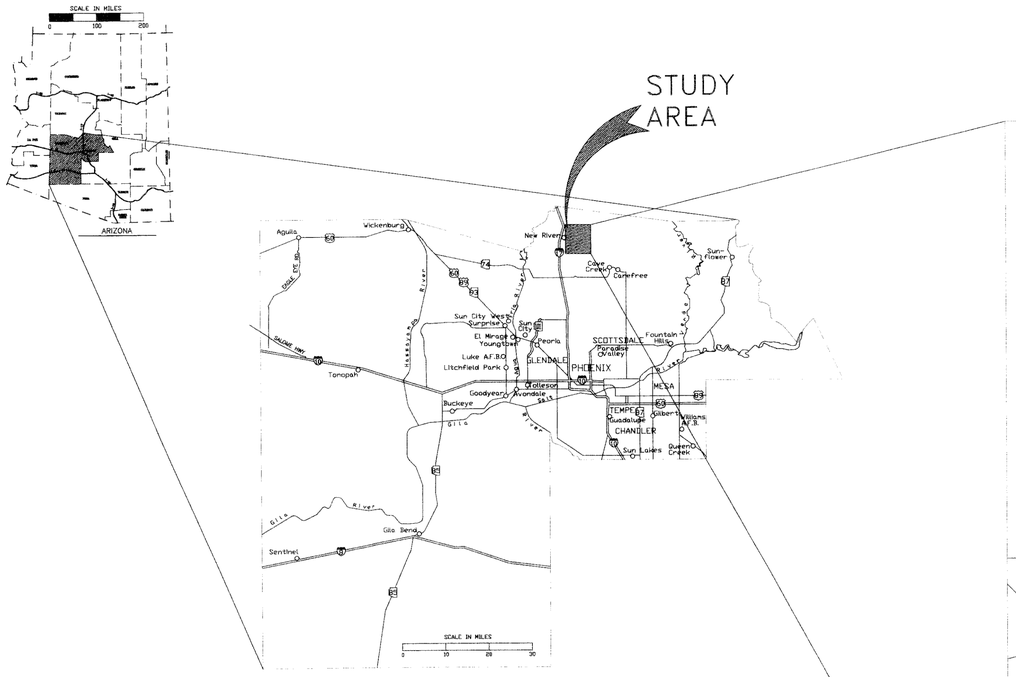


EXHIBIT A
HYDRAULICS STUDY WORK MAPS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

DETAILED ZONE AE AND APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF UPPER SKUNK CREEK AND TRIBUTARIES ADOBE DAM / DESERT HILLS AREA DRAINAGE MASTER PLAN, FCD 2002C001



MARICOPA COUNTY

NOTES

1. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
2. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

STATEMENTS OF PROFESSIONAL REGISTRANT

THE DETAILED ZONE AE AND APPROXIMATE ZONE A FLOODPLAIN AND FLOODWAY DELINEATIONS ON THE FOLLOWING 3 SHEETS WERE PREPARED UNDER MY DIRECT SUPERVISION USING HYDROLOGY PROVIDED BY THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY FROM FCD 99-23 AND AREA WEIGHTING BASED ON FCD 99-23 PRESENTED UNDER THIS CONTRACT.

26525
BRYAN M. SPERMAN
REGISTERED
PROFESSIONAL ENGINEER
10-11-04
Bryan M. Sperman

THE GROUND CONTROL SURVEY WAS PREPARED UNDER MY DIRECT SUPERVISION.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
37174
DANIEL K. MARDOCK
10-11-04
SIGNED
ARIZONA U.S.A.

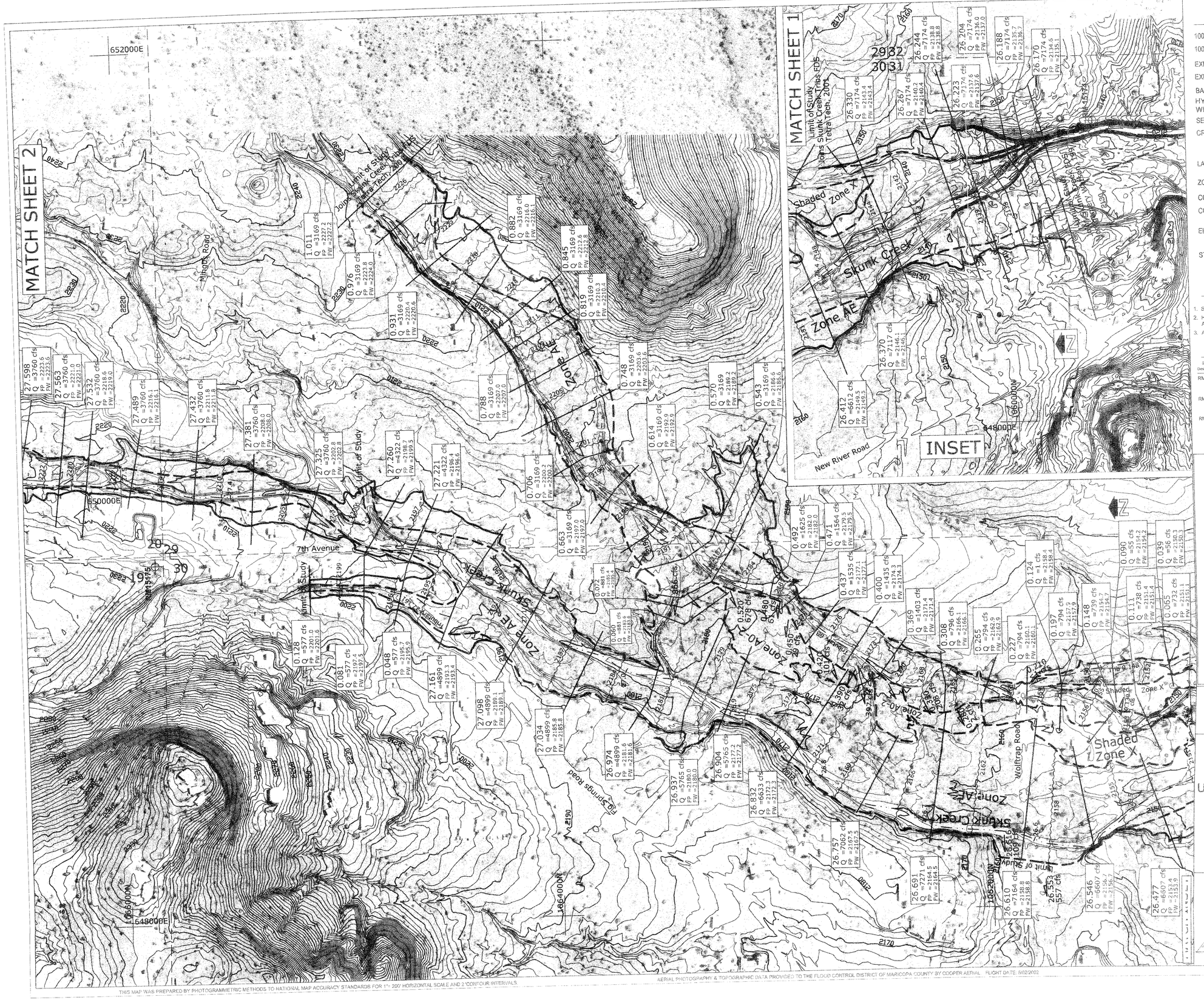
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

N

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
8400 S. Kyrene Road, Suite 201
Tempe, Arizona, 85281
480-752-2124

INDEX SHEET

November, 2004



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 100-YR FLOODWAY
- EXISTING FLOODPLAIN BOUNDARY
- EXISTING FLOODWAY
- BASE FLOOD ELEVATION
- HYDRAULIC BASE LINE WITH RIVER MILE (1.0)
- SECTION BOUNDARY
- CROSS SECTION (28.839 / Q = 3760 cfs / FP = 2324.4 / FW = 2324.6)
- LATERAL STRUCTURE WITH OVERFLOW (0.330 / 208 cfs)
- ZONE DESIGNATION: ZONE AE
- CORPORATE LIMITS: Corporate Limits
- COUNTY BOUNDARY: County Boundary
- ELEVATION REFERENCE MARK (RM5)
- STATE PLANE COORDINATES (1,046,800 N / 649,800 E)

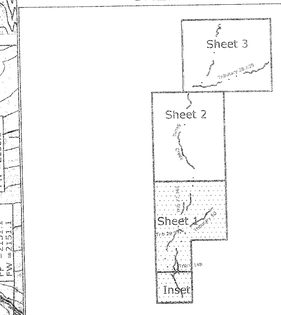
NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
2. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
3. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

ELEVATION REFERENCE MARKS

Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)	Description
RM15174	1059630.43	649370.21	2137.50	Found Cotton Picker Spindle in asphalt in 7th Avenue at the west side of a gate, 0.4 miles north of the New River Road
RM15175	1065852.45	649634.14	2224.72	Set rebar and aluminum cap, stamped FCD 5175, approximately 50 feet west southwest of the northwest corner of Section 28, T7N, R3E.
RM1NF2	1066007.68	652528.17	2278.81	GDACs Station 1NF2. NGS Point ID = AJ3744. 3 1/4 inch Maricopa County brass disk stamped "1NF2", set in a boulder 2.4 feet west of white carsonite marker. (Beyond limits of this map)

SHEET INDEX MAP



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF UPPER SKUNK CREEK AND TRIBUTARIES

FCD 2002C001
ADOBE DAM/DESERT HILLS AREA DRAINAGE MASTER PLAN
April, 2005

SCALE IN FEET
200' 0' 200' 400'
CONTOUR INTERVAL = 2 FEET

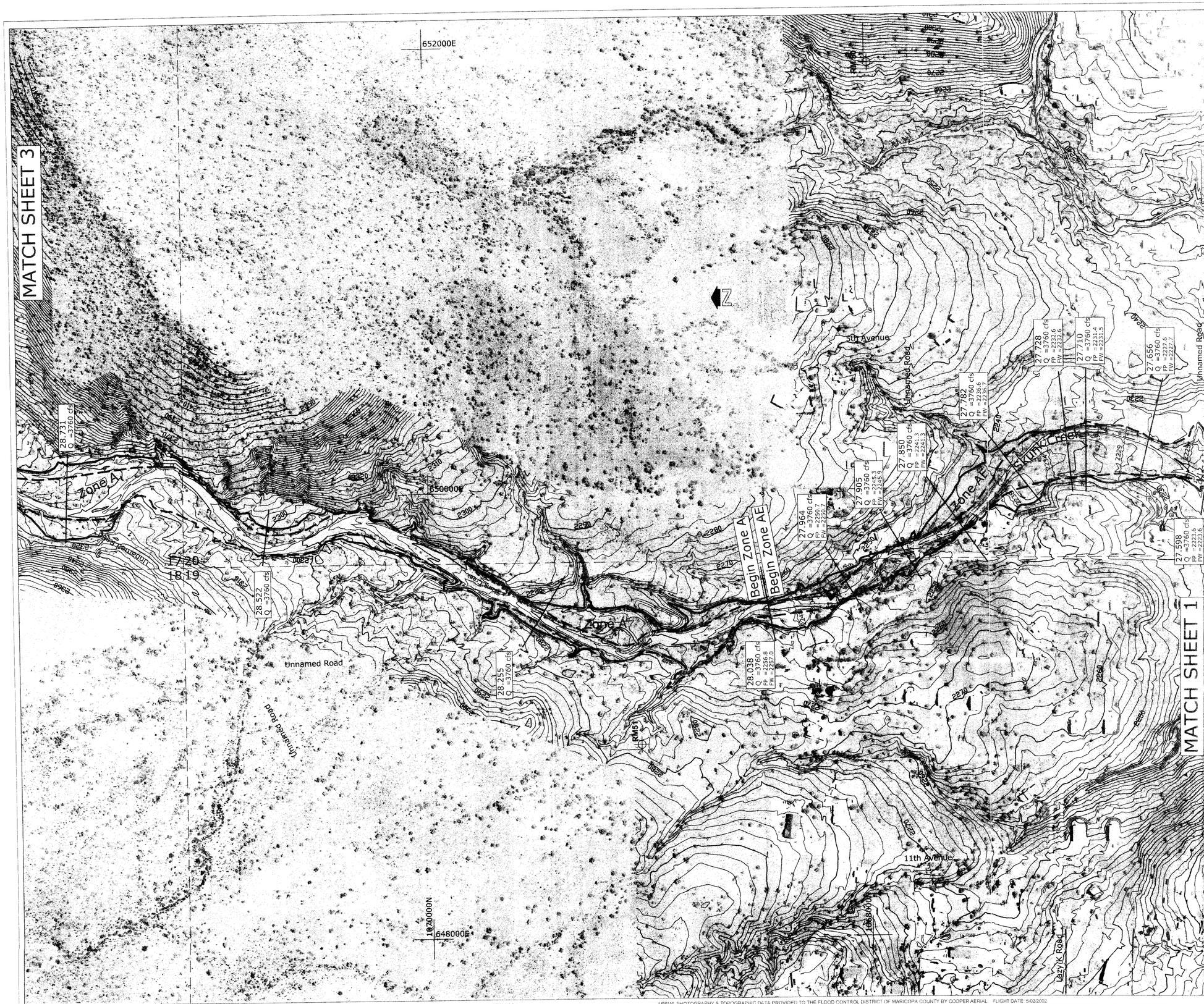
JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

SHEET 1 OF 3

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY COOPER AERIAL FLIGHT DATE: 5/02/2002

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR FLOODWAY	
EXISTING FLOODPLAIN BOUNDARY	
EXISTING FLOODWAY	
BASE FLOOD ELEVATION	
HYDRAULIC BASE LINE WITH RIVER MILE	1.0
SECTION BOUNDARY	
CROSS SECTION	28.839 Q = 3760 cfs FP = 2324.4 FW = 2324.6
LATERAL STRUCTURE WITH OVERFLOW	0.330 208 cfs
ZONE DESIGNATION	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	RM5
STATE PLANE COORDINATES	1,046,800 N 648,800 E

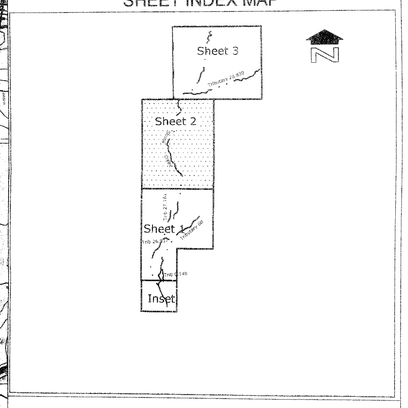
NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
2. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
3. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

ELEVATION REFERENCE MARKS

Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)	Description
RM50	1067986.15	651915.06	2277.89	Set rebar and aluminum cap, stamped FCD 50, in desert area. No intersections nearby.
RM51	1069042.14	648864.28	2276.72	Set rebar and aluminum cap, stamped FCD 51, in desert area. No intersections nearby.
RM1NF2	1066007.68	652528.17	2278.81	GDACs Station 1NF2, NGS Point ID = AJ3744, 3 1/4 inch Maricopa County brass disk stamped "1NF2", set in a boulder 2.4 feet west of white carsonite marker. (Beyond limits of this map)

SHEET INDEX MAP



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF UPPER SKUNK CREEK AND TRIBUTARIES

FCD 2002C001
ADOBE DAM/DESERT HILLS
AREA DRAINAGE MASTER PLAN
April, 2005

SCALE IN FEET
200' 0' 200' 400'
CONTOUR INTERVAL = 2 FEET

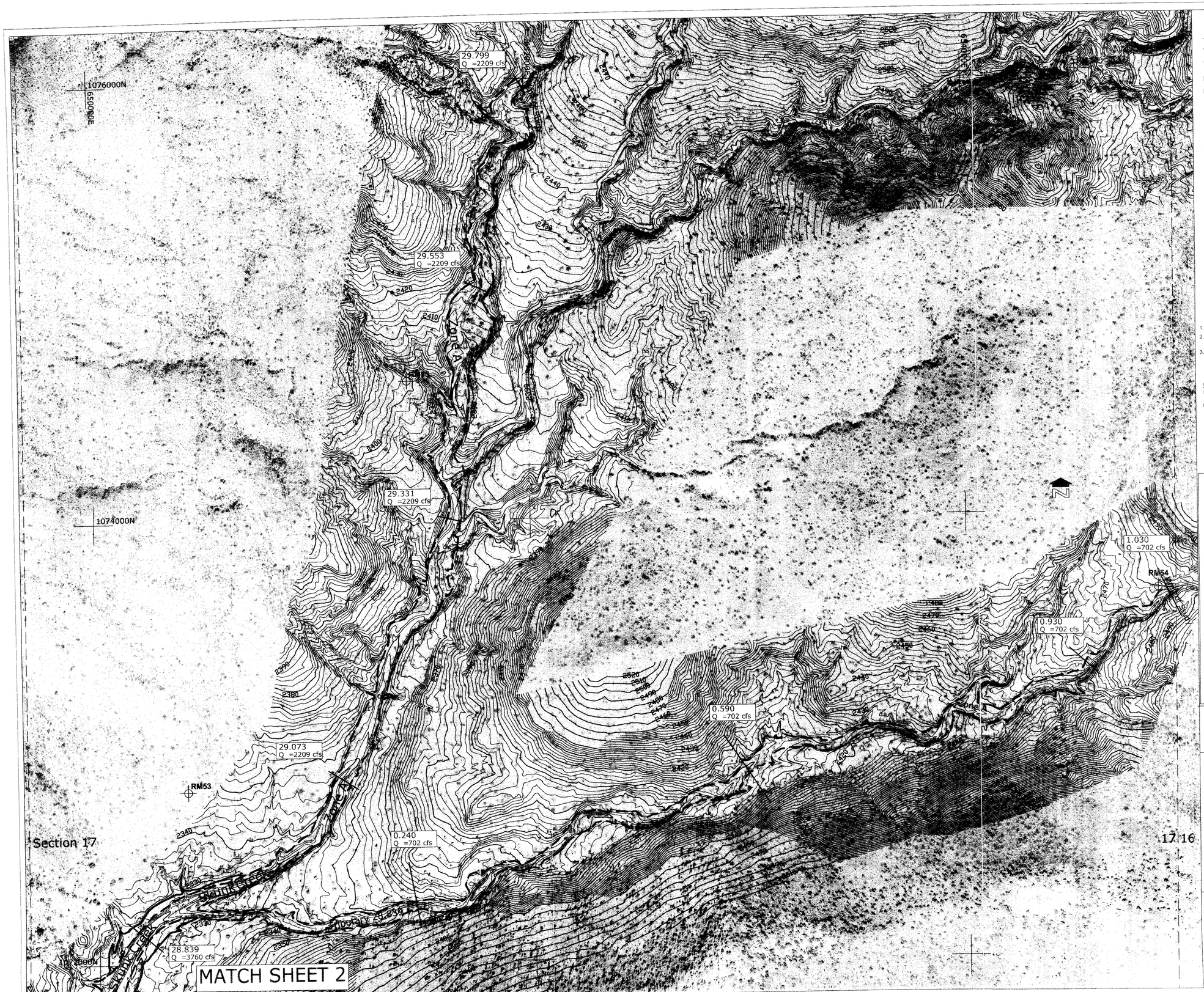
JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

SHEET 2 OF 3

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY COOPER AERIAL FLIGHT DATE: 5/02/2002

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING.



LEGEND

100-YR FLOODPLAIN BOUNDARY
100-YR FLOODWAY
EXISTING FLOODPLAIN BOUNDARY
EXISTING FLOODWAY
BASE FLOOD ELEVATION
HYDRAULIC BASE LINE WITH RIVER MILE — 1.0
SECTION BOUNDARY
CROSS SECTION — 28.839 Q = 3760 cfs FP = 2324.4 FW = 2324.6
LATERAL STRUCTURE WITH OVERFLOW — 0.330 208 cfs
ZONE DESIGNATION — ZONE AE
CORPORATE LIMITS — Corporate Limits
COUNTY BOUNDARY — County Boundary
ELEVATION REFERENCE MARK — RM5
STATE PLANE COORDINATES — 1,046,800 N 648,800 E

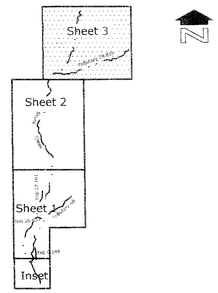
NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
2. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
3. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

ELEVATION REFERENCE MARKS

Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)	Description
RM53	1072776.660	650412.56	2363.20	Set rebar and aluminum cap, stamped FCD 53, in desert area. No intersections nearby.
RM54	1073658.68	654876.99	2479.62	Set rebar and aluminum cap, stamped FCD 54, in desert area. No intersections nearby.
RM55	1074633.93	651440.71	2401.08	Set rebar and aluminum cap, stamped FCD 55, in desert area. No intersections nearby.
RM56	1076750.47	652060.51	2468.46	Set rebar and aluminum cap, stamped FCD 56, in desert area. No intersections nearby. (Beyond limits of this map)
RM58	1076008.07	654524.63	2538.53	Set rebar and aluminum cap, stamped FCD 58, in desert area. No intersections nearby.

SHEET INDEX MAP



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF UPPER SKUNK CREEK AND TRIBUTARIES

FCD 2002C001
ADOBE DAM/DESERT HILLS
AREA DRAINAGE MASTER PLAN
April, 2005

SCALE IN FEET
200' 0' 200' 400'
CONTOUR INTERVAL = 2 FEET

29325 BRIAN R. ISERMAN

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
8400 S. KYRENE ROAD, SUITE 201
TEMPE, ARIZONA 85284
PHONE 480-839-2154
FAX 480-839-2153

SHEET 3 OF 3

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2 'CONTOUR INTERVALS

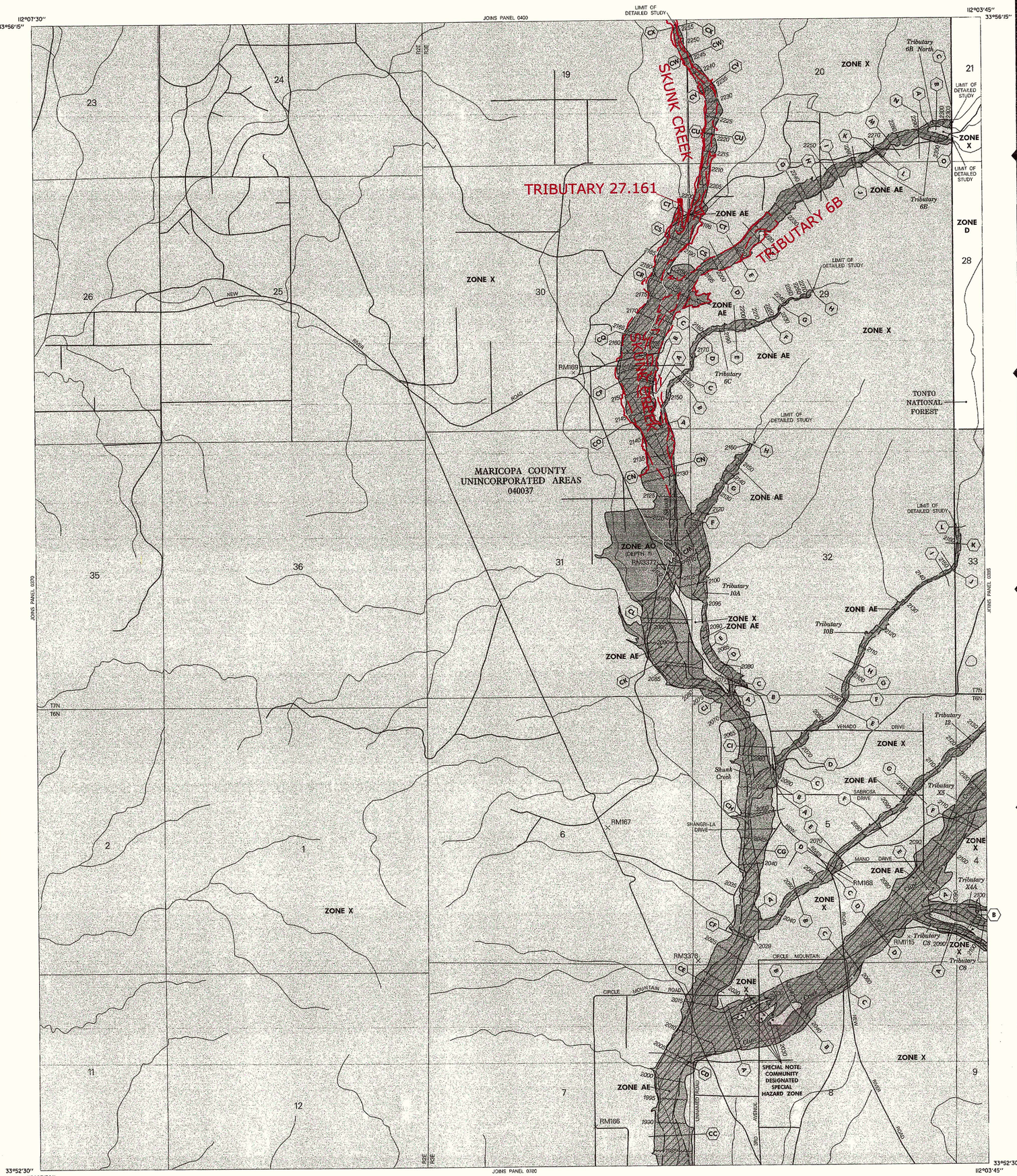
AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY COOPER AERIAL. FLIGHT DATE: 5/02/2002

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING

EXHIBIT B
ANNOTATED FLOOD INSURANCE RATE MAPS

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM166	2103.76	Centerline intersection near center of section 7, T6N, R3E.
RM167	2151.43	Top concrete base for west leg of Tower No. 201-1.
RM168	2071.48	Southwest corner concrete sidewalks at entrance to church on east side of New River and Mano Roads.
RM169	2149.68	U.S. Geological Survey brass cap on north side of New River Road and west of dirt road northeast, marked 2MRP.
RM1115	2093.02	Beginning at intersection of New River and Circle Mountain Roads, thence 0.46 mile east on Circle Mountain Road to ERM 7, a -inch rebar set in concrete, 27.0 feet north of conterline of Circle Mountain Road and 3.0 feet west of power pole marked ERM #7.
RM3376	2038.52	2-1/2 inch brass cap, U.S. General Land Office, T6N, R3E, Secton 6, Section 5, Section 7, Section 8, 1.2 feet+- above natural ground.
RM3377	2111.51	2-1/2 inch brass cap, Maricopa County Highway Department at New Creek bridge on top of west barrier wall, 21.9 +- from south end of barrier wall.



LEGEND

Proposed 100-Year Floodplain Limit

Proposed 100-Year Floodway Limit

Floodplain Delineation Study of Upper Skunk Creek & Tributaries
Adobe Dam/Desert Hills ADMP

ANNOTATED FIRM PANEL

JE Fuller Hydrology & Geomorphology, Inc. April, 2005

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and /or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and /or floodplain management.

ERM elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFE's shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and /or floodplain management purposes when they are higher than the elevations shown on this FIRM.

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 flood 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 floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain 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. See Map Index for Elevation Datum.

Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 — Elevation Reference Mark

M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

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. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE, and V1-V30.

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. Refer to Floodway Data Table where floodway width is shown at 120 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 this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

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

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

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

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
DECEMBER 3, 1990

Map revised July 19, 2001 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 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 390 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	0390	F

ANNOTATED FIRM PANEL

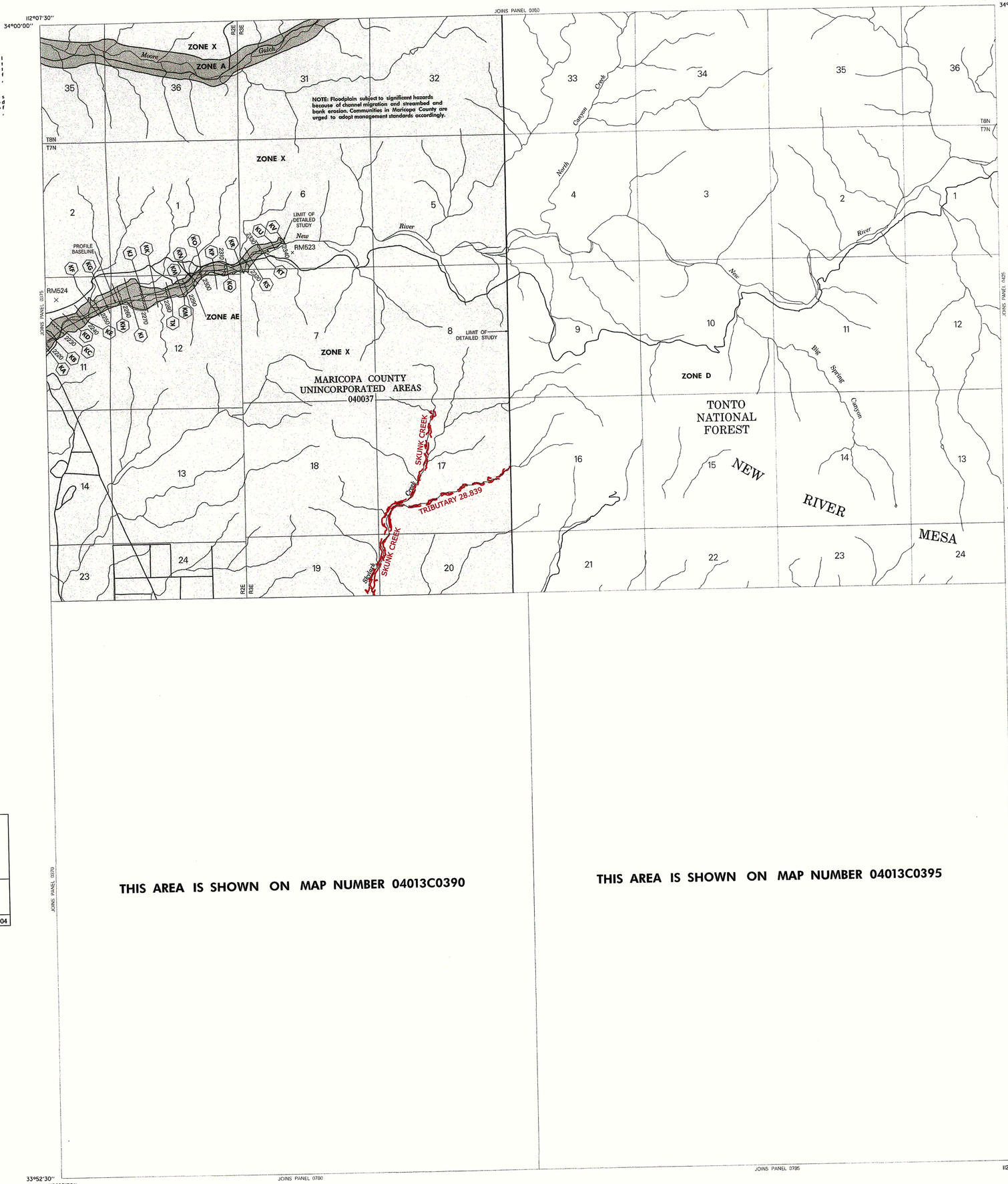
MAP NUMBER
04013C0390 F

MAP REVISED:
JULY 19, 2001

Federal Emergency Management Agency

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FEET NGVD)	DESCRIPTION OF LOCATION
RM523	2434.38	A +-inch rebar set on a rocky knoll on the west edge of ridge 290 feet q north of Track Road 1 mile east of Toe Ranch 2100 feet q east of the southwest corner of section 6, T7N, R3E.
RM524	2215.85	The mark Z-56 is a USC&GS brass cap in a concrete post as described by the USC&GS, 2300 feet q west of the northeast corner of section 11, T7N, R2E.



LEGEND

Proposed 100-Year Floodplain Limit

Proposed 100-Year Floodway Limit

Floodplain Delineation Study of Upper Skunk Creek & Tributaries
Adobe Dam/Desert Hills ADMP

ANNOTATED FIRM PANEL

JE Fuller Hydrology & Geomorphology, Inc. November, 2004

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs)and / or floodways have been determined users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS BFEs shown on the FIRM are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and / or floodplain management.

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Coastal BFEs shown on this map may apply only landward of 0.0' NGVD. Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and / or floodplain management purposes when they are higher than the elevations shown on this FIRM.

THIS AREA IS SHOWN ON MAP NUMBER 04013C0390

THIS AREA IS SHOWN ON MAP NUMBER 04013C0395

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 flood 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 floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified (YB1) | Undetermined (YB2) | Otherwise Protected Areas (YB3)

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodway Boundary

Zone D Boundary

Zone X 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. See Map Index for Elevation Datum.

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum

RM7 — Elevation Reference Mark

M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection

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. The community map repository should be consulted for more detailed data on BFE's, and for any information on floodway delineations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V1-V30.

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. Refer to Floodway Data Table where floodway width is shown at 120 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 this map.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

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

For adjoining map panels and base map source see separately printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Map Index

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

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL:
SEPTEMBER 29, 1989, DECEMBER 3, 1993

Map revised July 19, 2001 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 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
2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

MARICOPA COUNTY, ARIZONA AND INCORPORATED AREAS

PANEL 400 OF 4350
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
MARICOPA COUNTY UNINCORPORATED AREAS	040037	0400	G

ANNOTATED FIRM PANEL

MAP NUMBER 04013C0400 G

MAP REVISED: JULY 19, 2001

Federal Emergency Management Agency