Flood Control District of Maricopa County, Arizona
APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF WATERSHED "OO"
(FCD 2000C019)

Hassayampa River Tributaries & Lower Jackrabbit Wash Tributaries

TECHNICAL DATA NOTEBOOK
VOLUME 4 of 6 (Exhibits A & B)

Submitted by:

JE Fuller / Hydrology and Geomorphology, Inc.
6101 S. Rural Road, Suite 110
Tempe, Arizona 85283
(480) 752-2124

In Association With:

Wood, Patel & Associates, Inc. &
Argus Consulting

on behalf of:

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

April, 2003

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April, 2003

TABLE OF CONTENTS
VOLUME 4 OF 6 OF THE TDN

EXHIBITS

Exhibit A: Hydrology Study Work Map
Exhibit B: Zone A Work Study Map

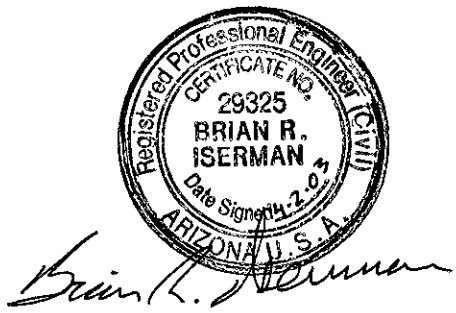
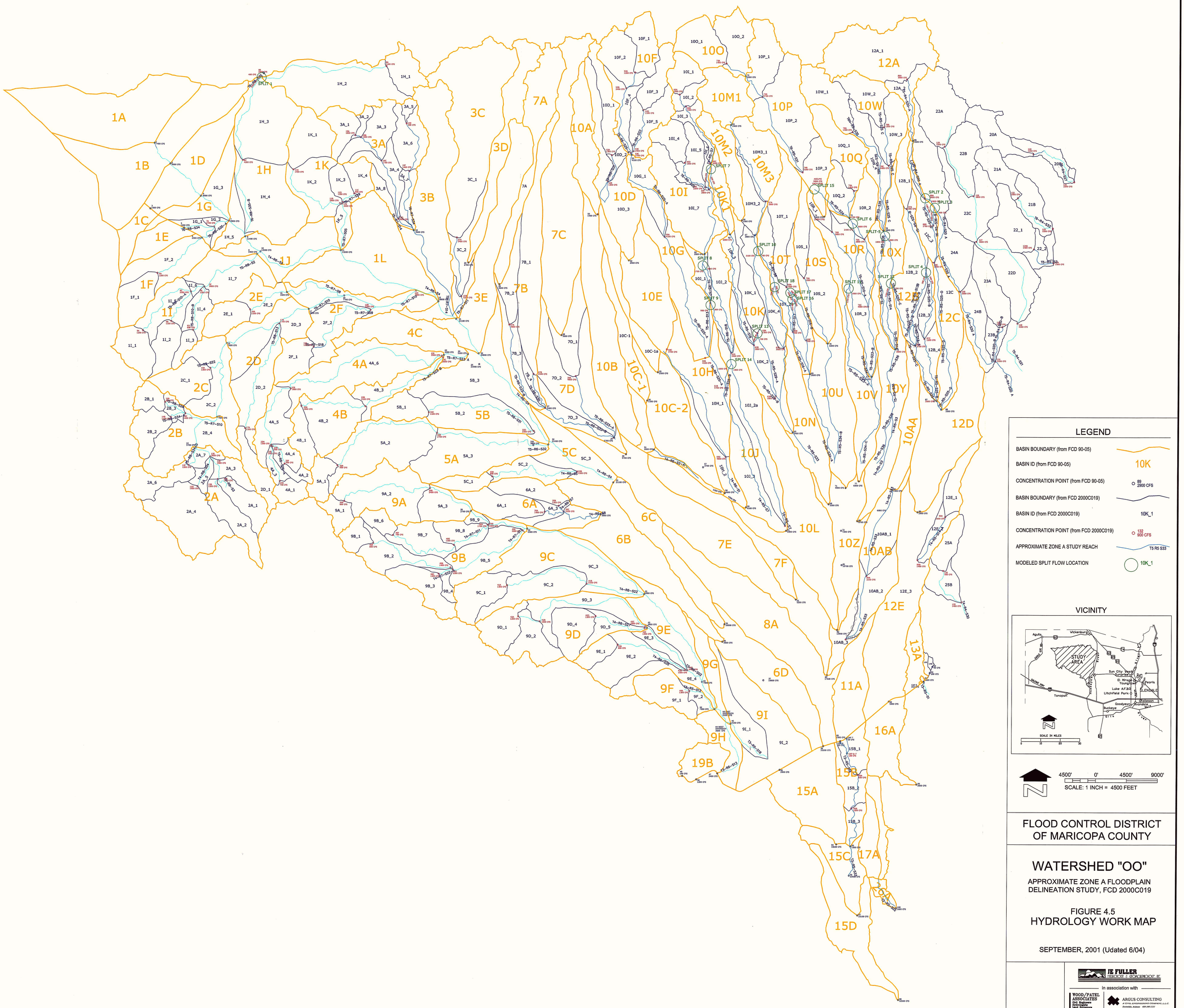


EXHIBIT A
HYDROLOGY STUDY WORK MAP

Approximate Zone A FDS of Watershed "OO", FCD 2000C019
Hassayampa River Tributaries & Lower Jackrabbit Wash Tributaries
JE Fuller/Hydrology & Geomorphology, Inc.



LEGEND

- BASIN BOUNDARY (from FCD 90-05)
- BASIN ID (from FCD 90-05) — 10K
- CONCENTRATION POINT (from FCD 90-05) — 89, 2900 CFS
- BASIN BOUNDARY (from FCD 2000C019)
- BASIN ID (from FCD 2000C019) — 10K_1
- CONCENTRATION POINT (from FCD 2000C019) — 132, 900 CFS
- APPROXIMATE ZONE A STUDY REACH — T5 RS S33
- MODELED SPLIT FLOW LOCATION — 10K_1

VICINITY

4500' 0' 4500' 9000'

SCALE: 1 INCH = 4500 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WATERSHED "OO"

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY, FCD 2000C019

FIGURE 4.5
HYDROLOGY WORK MAP

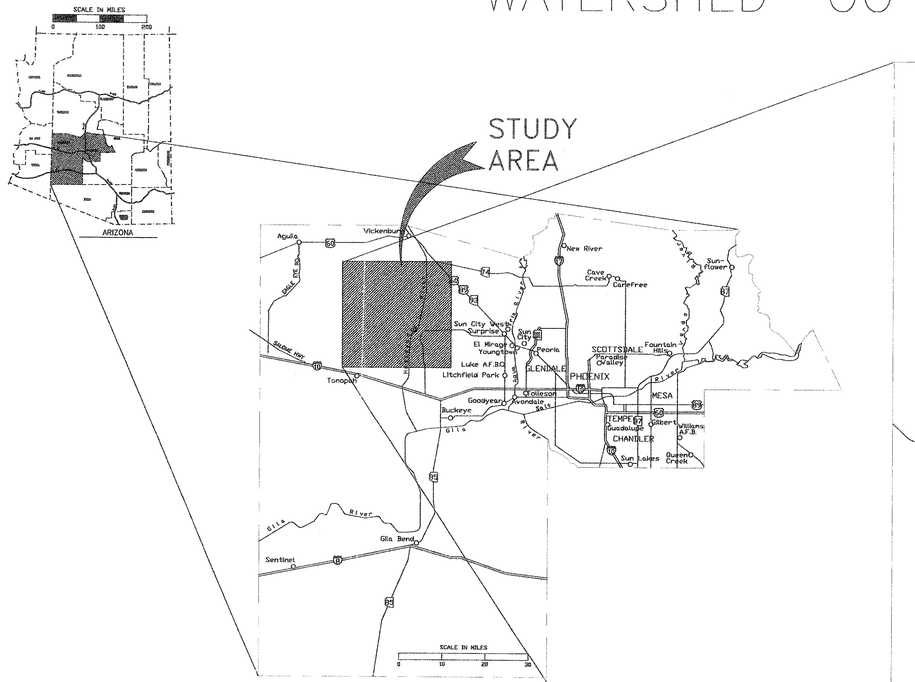
SEPTEMBER, 2001 (Udated 6/04)

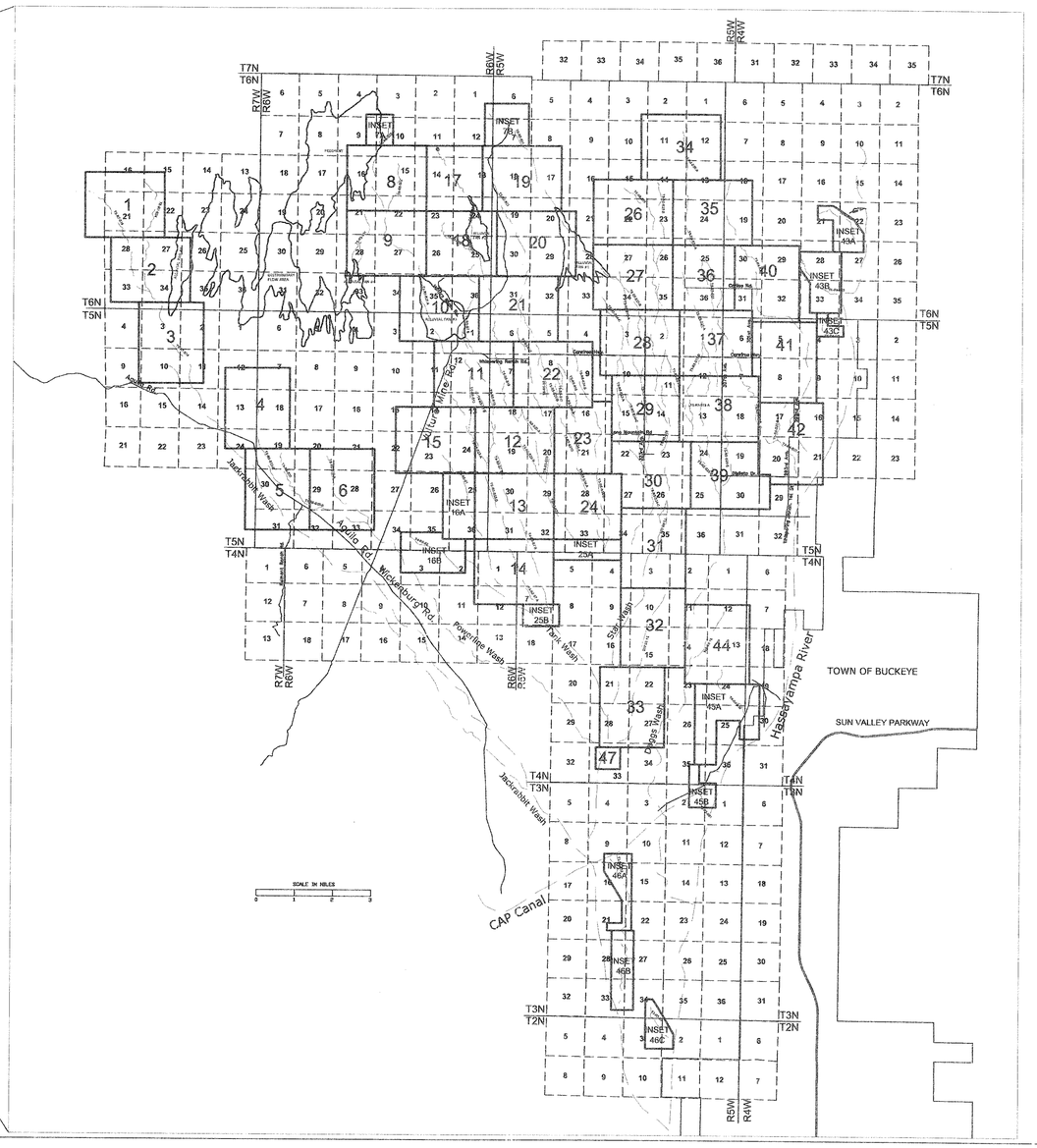
JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
in association with
WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Water Resources
(602) 335-8500
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480.348.1111

EXHIBIT B
HYDRAULICS STUDY WORK MAPS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF WATERSHED "00" (JACKRABBIT WASH), FCD 2000C019





NOTES

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2. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

STATEMENTS OF PROFESSIONAL REGISTRANT

THE APPROXIMATE ZONE A FLOODPLAIN AND FLOODWAY DELINEATIONS WERE PREPARED UNDER MY DIRECT SUPERVISION USING HYDROLOGY FROM FCD 90-05 AND NEW HYDROLOGY UNDER THIS CONTRACT.

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
6101 S. Rural Road, Suite 110
Tempe, Arizona, 85281
480-752-2124

INDEX SHEET

APRIL, 2003

2100
Q= 1000 cfs

2000
Q= 1300 cfs

1900
Q= 1300 cfs

1800
Q= 1300 cfs

1700
Q= 1700 cfs

1600
Q= 1700 cfs

1500
Q= 1700 cfs

1500
Q= 1700 cfs

1200
Q= 300 cfs

1100
Q= 300 cfs

900
Q= 800 cfs

800
Q= 800 cfs

700
Q= 1000 cfs

600
Q= 1400 cfs

500
Q= 1400 cfs

800
Q= 4000 cfs

Limit of Study

ZONE A

match to sheet 2

1042,000 N

1040,000 N

1038,000 N

1036,000 N

1034,000 N

370,000 E

372,000 E

376,000 E

378,000 E

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
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- CROSS SECTION
- ZONE DESIGNATION — ZONE A
- CORPORATE LIMITS — Corporate Limits
- COUNTY BOUNDARY — County Boundary
- ELEVATION REFERENCE MARK — AJ3618

NOTES

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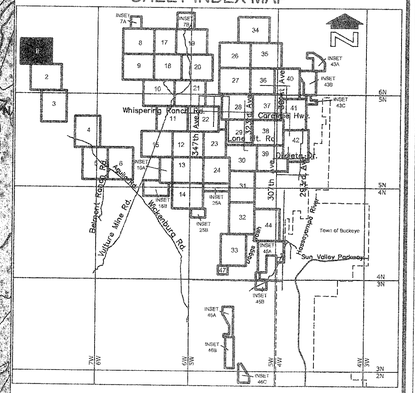
ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3618	4LN3 (GDACS)	1040082.78	371932.23	2409.60

SHEET INDEX MAP



SCALE IN FEET
400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"
(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer — 29325 — BRIAN R. SHERMAN — Date Signed 4/28/03

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-782-2124

IN ASSOCIATION WITH

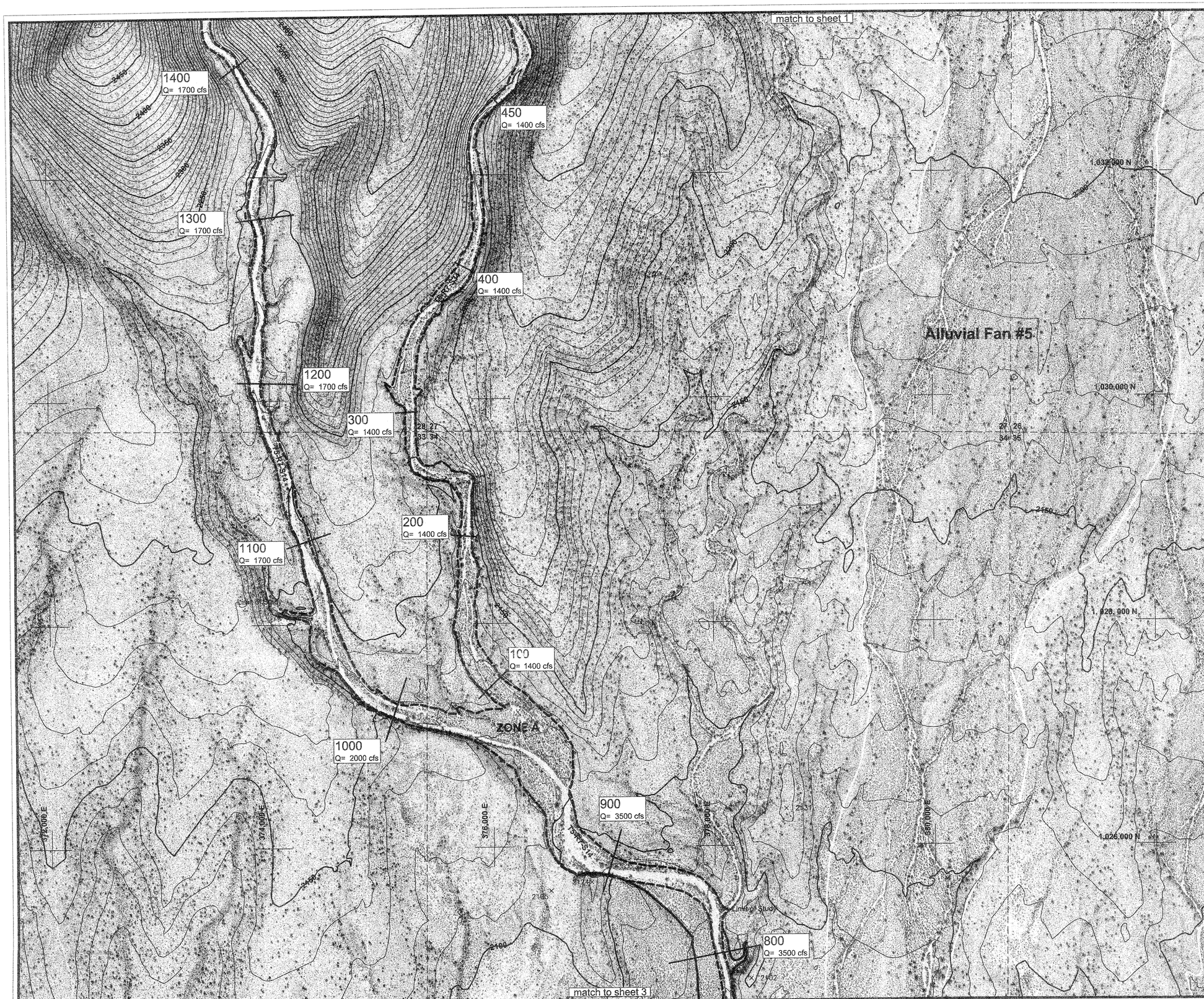
WOOD/PATEL ASSOCIATES
(Srd) Raghuram Kyrakoglana
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480.585.1220

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

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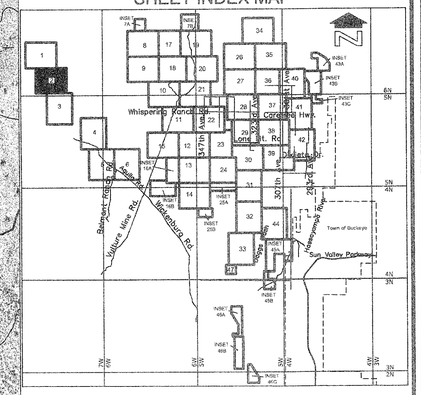
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA, U.S.A.

JE FULLER ENGINEERING & GEOTECHNOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1111

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LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 100-YR ADMINISTRATIVE FLOODWAY
- 100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)
- 100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)
- SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)
- SECTION BOUNDARY
- CROSS SECTION — 800, Q= 4000 cfs
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- COUNTY BOUNDARY — County Boundary
- ELEVATION REFERENCE MARK — AJ3618

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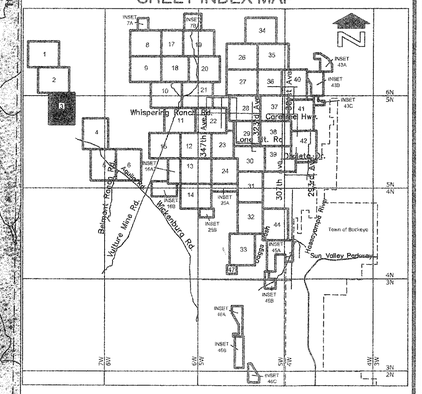
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET
400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

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Hydrologists
Land Surveyors
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Scottsdale, Arizona 480-991-1177

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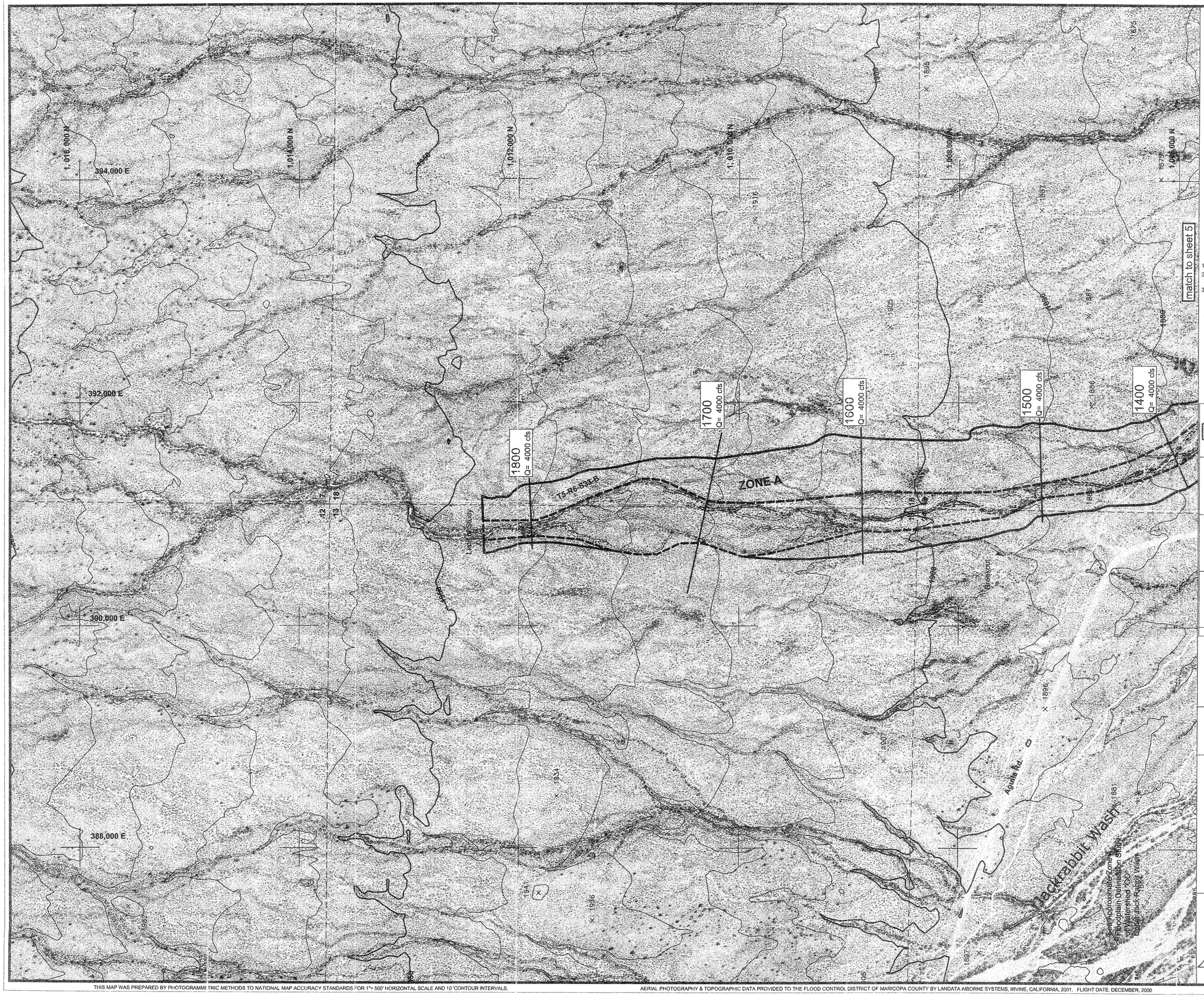

LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

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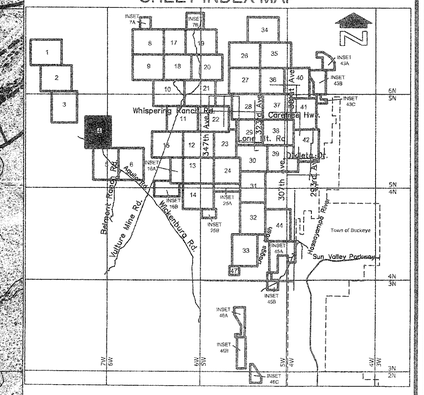
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET
400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

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(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124
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LEGEND

100-YR FLOODPLAIN BOUNDARY

100-YR ADMINISTRATIVE FLOODWAY

100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)

100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)

SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)

SECTION BOUNDARY

CROSS SECTION — 800 Q= 4000 cfs

ZONE DESIGNATION — ZONE A

CORPORATE LIMITS — Corporate Limits

COUNTY BOUNDARY — County Boundary

ELEVATION REFERENCE MARK — AJ3618

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ELEVATION REFERENCE MARKS

SHEET INDEX MAP

SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

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HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer — Certificate No. 29325 — BRIAN R. ISERMAN — Date Signed 4-2-03 — ARIZONA, U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
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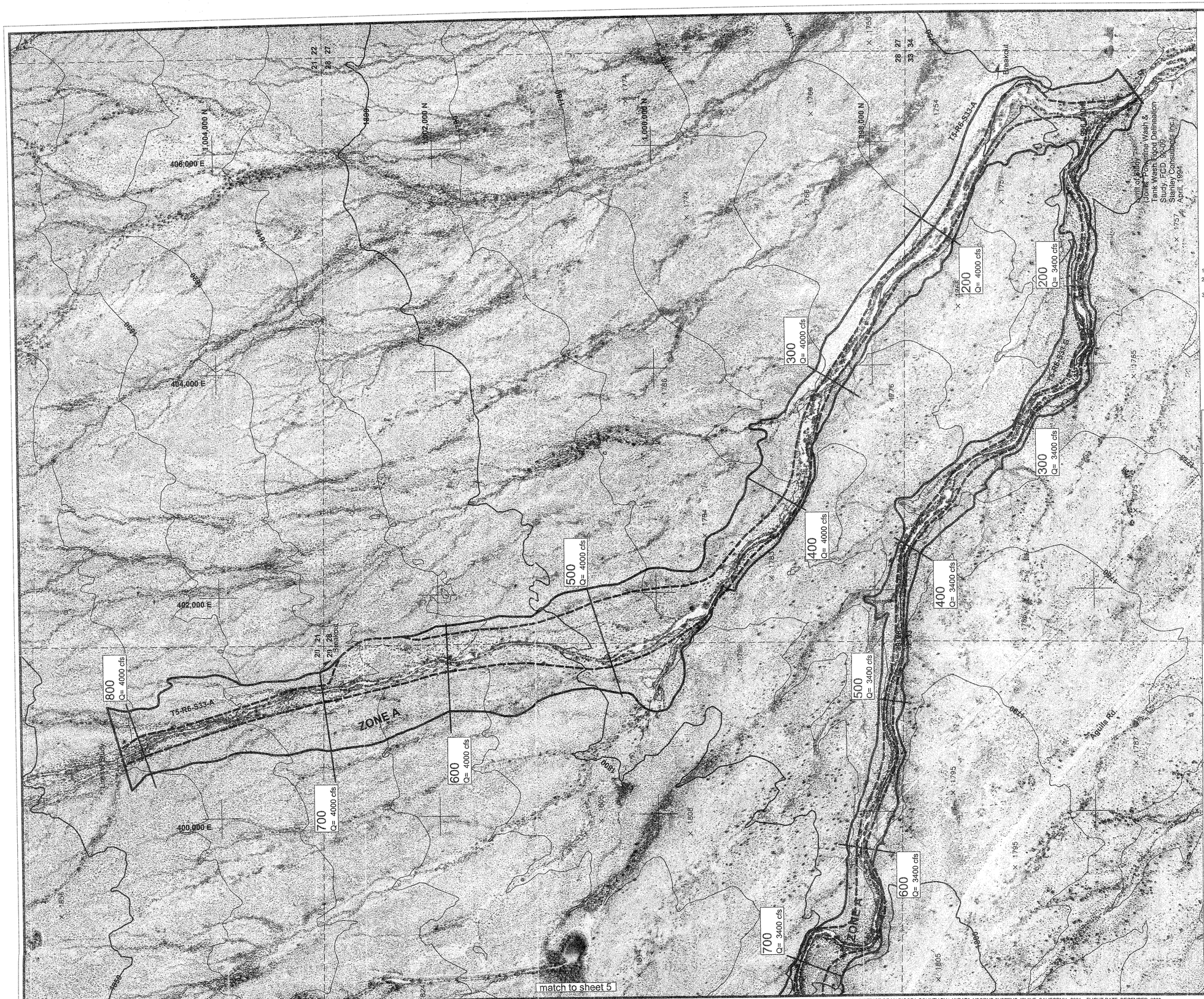
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1151



LEGEND

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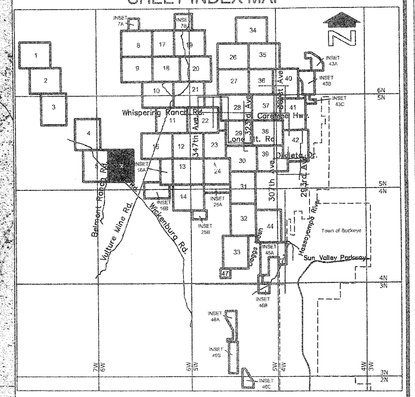
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



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400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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APRIL, 2003

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IN ASSOCIATION WITH
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(602) 335-8500
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-951-1111

Professional Engineer — 29325 — BRIAN R. ISERMAN — Expires 6/30/04

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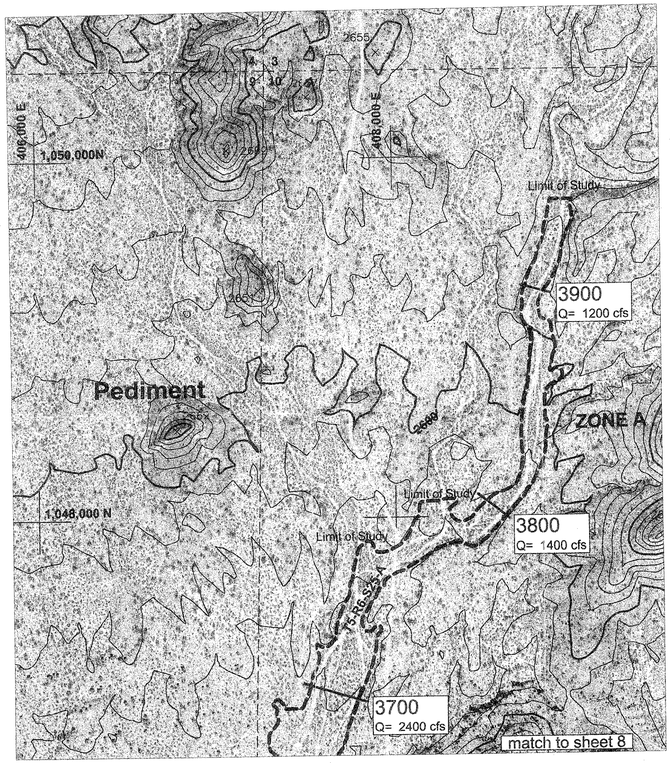
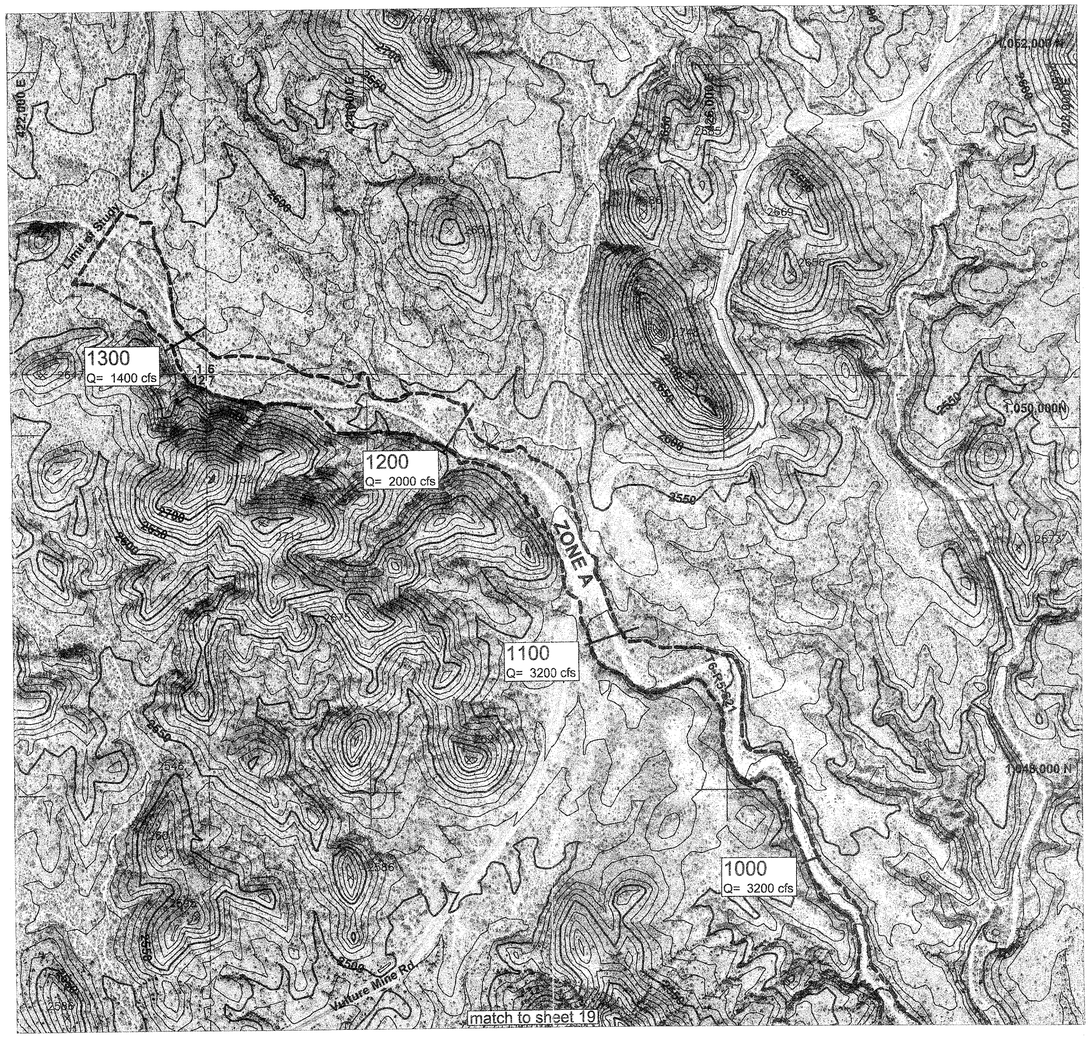
GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



INSET 7A

INSET 7B



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
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ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

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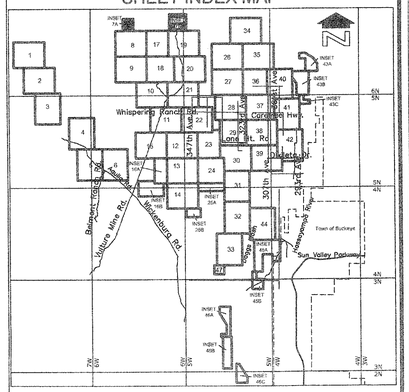
   7B: NGVD 29 = NAVD 88 - 2.32

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

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2000CO19

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& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

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ARGUS CONSULTING
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Scottsdale, Arizona 480-390-1111

SHEET 7 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

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LEGEND

100-YR FLOODPLAIN BOUNDARY

100-YR ADMINISTRATIVE FLOODWAY

100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)

100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)

SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)

SECTION BOUNDARY

CROSS SECTION — 800 Q= 4000 cfs

ZONE DESIGNATION — ZONE A

CORPORATE LIMITS — Corporate Limits

COUNTY BOUNDARY — County Boundary

ELEVATION REFERENCE MARK — AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.28

ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3617	4LL3 (GDACS)	1041393.65	405155.84	2449.68

SHEET INDEX MAP

SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) Certificate No. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA U.S.A.

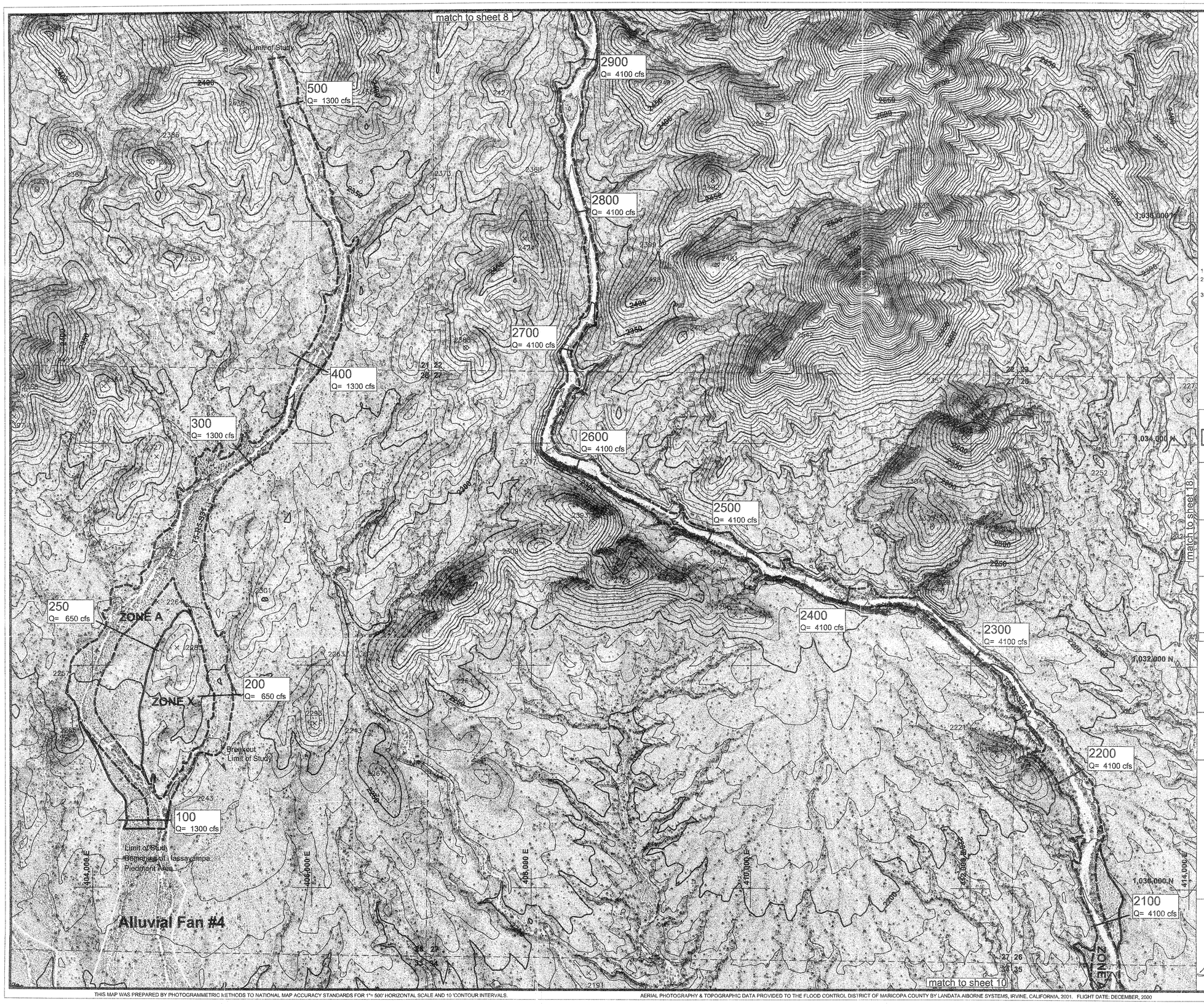
JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-595-1131

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

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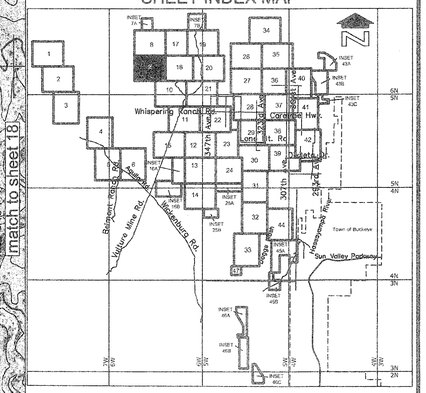
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
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& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil)
CERTIFICATE NO. 29325
BRIAN R. ISERMAN
Date Signed 9-24-03
ARIZONA, U.S.A.

Brian R. Iserman

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A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-905-1131

SHEET 9 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

match to sheet 9

match to sheet 18

match to sheet 21

match to sheet 11

2050
Q= 4100 cfs

2025
Q= 4100 cfs

1900
Q= 4100 cfs

1800
Q= 4100 cfs

1700
Q= 4100 cfs

1600
Q= 4100 cfs

1500
Q= 4100 cfs

1450
Q= 4100 cfs

1400
Q= 4100 cfs

3700
Q= 3100 cfs

3600
Q= 3100 cfs

3500
Q= 3100 cfs

3400
Q= 3300 cfs

3300
Q= 3300 cfs

3200
Q= 3500 cfs

3100
Q= 3500 cfs

Breakout
Limit of Study

Alluvial Fan #3

ZONE A

ZONE X

Yuma Ranch Rd

Vulture Mine Rd

Whispering Ranch Rd

Lone Mtn Rd

Jackrabbit Trl

Cloudview Way

Sun Valley Parkway

Town of Buckeye

Beardsley Rd

Vulture Mine Rd

Wintersburg Rd

Tonopah Desert Way

547th Ave

507th Ave

491st Ave

483rd Ave

467th Ave

459th Ave

451st Ave

443rd Ave

435th Ave

427th Ave

419th Ave

411th Ave

403rd Ave

395th Ave

387th Ave

379th Ave

371st Ave

363rd Ave

355th Ave

347th Ave

339th Ave

331st Ave

323rd Ave

315th Ave

307th Ave

299th Ave

291st Ave

283rd Ave

275th Ave

267th Ave

259th Ave

251st Ave

243rd Ave

235th Ave

227th Ave

219th Ave

211th Ave

203rd Ave

195th Ave

187th Ave

179th Ave

171st Ave

163rd Ave

155th Ave

147th Ave

139th Ave

131st Ave

123rd Ave

115th Ave

107th Ave

99th Ave

91st Ave

83rd Ave

75th Ave

67th Ave

59th Ave

51st Ave

43rd Ave

35th Ave

27th Ave

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163rd St

167th St

171st St

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9399th St

9403rd St

9407th St

9411th St

9415th St

9419th St

9423rd St

9427th St

9431st St

9435th St

9439th St

9443rd St

9447th St

9451st St

9455th St

9459th St

9463rd St

9467th St

9471st St

9475th St

9479th St

9483rd St

9487th St

9491st St

9495th St

9499th St

9503rd St

9507th St

9511th St

9515th St

9519th St

9523rd St

9527th St

9531st St

9535th St

9539th St

9543rd St

9547th St

9551st St

9555th St

9559th St

9563rd St

9567th St

9571st St

9575th St

9579th St

9583rd St

9587th St

9591st St

9595th St

9599th St

9603rd St

9607th St

9611th St

9615th St

9619th St

9623rd St

9627th St

9631st St

9635th St

9639th St

9643rd St

9647th St

9651st St

9655th St

9659th St

9663rd St

9667th St

9671st St

9675th St

9679th St

9683rd St

9687th St

9691st St

9695th St

9699th St

9703rd St

9707th St

9711th St

9715th St

9719th St

9723rd St

9727th St

9731st St

9735th St

9739th St

9743rd St

9747th St

9751st St

9755th St

9759th St

9763rd St

9767th St

9771st St

9775th St

9779th St

9783rd St

9787th St

9791st St

9795th St

9799th St

9803rd St

9807th St

9811th St

9815th St

9819th St

9823rd St

9827th St

9831st St

9835th St

9839th St

9843rd St

9847th St

9851st St

9855th St

9859th St

9863rd St

9867th St

9871st St

9875th St

9879th St

9883rd St

9887th St

9891st St

9895th St

9899th St

9903rd St

9907th St

9911th St

9915th St

9919th St

9923rd St

9927th St

9931st St

9935th St

9939th St

9943rd St

9947th St

9951st St

9955th St

9959th St

9963rd St

9967th St

9971st St

9975th St

9979th St

9983rd St

9987th St

9991st St

9995th St

9999th St

LEGEND

100-YR FLOODPLAIN BOUNDARY

100-YR ADMINISTRATIVE FLOODWAY

100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)

100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)

SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)

SECTION BOUNDARY

CROSS SECTION 800 Q= 4000 cfs

ZONE DESIGNATION ZONE A

CORPORATE LIMITS Corporate Limits

COUNTY BOUNDARY County Boundary

ELEVATION REFERENCE MARK AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.19

ELEVATION REFERENCE MARKS

SHEET INDEX MAP

SCALE IN FEET
400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"
(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Professional Engineer 23325 BRIAN R. TIERMAN 12-31-04 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers Hydrologists Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-998-7171

SHEET 10 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIRBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

match to sheet 10

match to sheet 21

match to sheet 22

match to sheet 15

match to sheet 12

400 Q= 700 cfs

1400 Q= 4100 cfs

3000 Q= 3500 cfs

300 Q= 700 cfs

1300 Q= 3400 cfs

1275 Q= 3400 cfs

400 Q= 1400 cfs

2900 Q= 3500 cfs

800 Q= 2000 cfs

800 Q= 1800 cfs

700 Q= 2000 cfs

2800 Q= 1700 cfs

1200 Q= 200 cfs0

300 Q= 1400 cfs

200 Q= 700 cfs

600 Q= 2000 cfs

1100 Q= 200 cfs0

2700 Q= 1700 cfs

700 Q= 1800 cfs

200 Q= 1400 cfs

100 Q= 700 cfs

2600 Q= 1700 cfs

500 Q= 2000 cfs

1000 Q= 200 cfs0

600 Q= 1800 cfs

900 Q= 200 cfs0

2500 Q= 2400 cfs

400 Q= 2000 cfs

100 Q= 1400 cfs

500 Q= 1800 cfs

2400 Q= 800 cfs

300 Q= 3000 cfs

300 Q= 2000 cfs

800 Q= 200 cfs0

2300 Q= 800 cfs

400 Q= 1800 cfs

700 Q= 200 cfs0

200 Q= 3000 cfs

200 Q= 2000 cfs

ZONE A

ZONE X

Breakout

Breakout Limit for Study

T5-R6-S12-B

T5-R6-S12-A

T4-R6-S7-B

T5-R6-S18

T4-R6-S7-A

T5-R6-S13

T4-R6-S18

T5-R6-S24

Valley Vista Dr.

Valley Mine Rd.

Whispering Ranch Rd.

Olsen Rd.

Paint Wagon Tr.

Smokehouse Tr.

Dove Valley Rd.

1,020,000 N

1,018,000 N

1,016,000 N

1,014,000 N

1,012,000 N

416,000 E

418,000 E

420,000 E

422,000 E

424,000 E

426,000 E

1950

1960

1970

1980

1990

1994

1973

1932

LEGEND

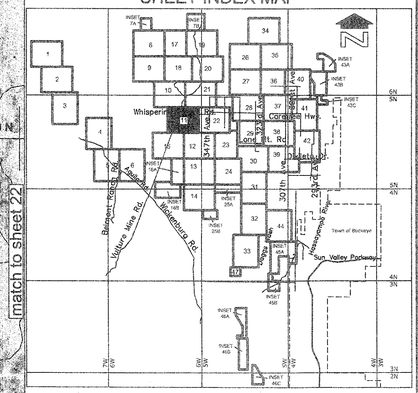
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.14

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-788-2221

Registered Professional Engineer
29325
BRIAN R. ISERMAN
Date Signed 4-30-03

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

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GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

LEGEND

100-YR FLOODPLAIN BOUNDARY

100-YR ADMINISTRATIVE FLOODWAY

100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)

100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)

SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)

SECTION BOUNDARY

CROSS SECTION 800 Q= 4000 cfs

ZONE DESIGNATION ZONE A

CORPORATE LIMITS Corporate Limits

COUNTY BOUNDARY County Boundary

ELEVATION REFERENCE MARK AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.09

ELEVATION REFERENCE MARKS

SHEET INDEX MAP

SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA, U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES Civil Engineers Hydrologists Land Surveyors (602) 335-8500

ARGUS CONSULTING A CIVIL ENGINEERING COMPANY, L.L.C. Scottsdale, Arizona 480-596-1131

LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.02

ELEVATION REFERENCE MARKS

SHEET INDEX MAP

SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA U.S.A.

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IN ASSOCIATION WITH

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SHEET 13 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 100-YR ADMINISTRATIVE FLOODWAY
- 100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)
- 100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)
- SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)
- SECTION BOUNDARY
- CROSS SECTION — 800 Q= 4000 cfs
- ZONE DESIGNATION — ZONE A
- CORPORATE LIMITS — Corporate Limits
- COUNTY BOUNDARY — County Boundary
- ELEVATION REFERENCE MARK — AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.05

ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3598	4IK2 (GDACS)	991563.33	422036.01	1644.29

SHEET INDEX MAP

SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) Certificate No. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA U.S.A.

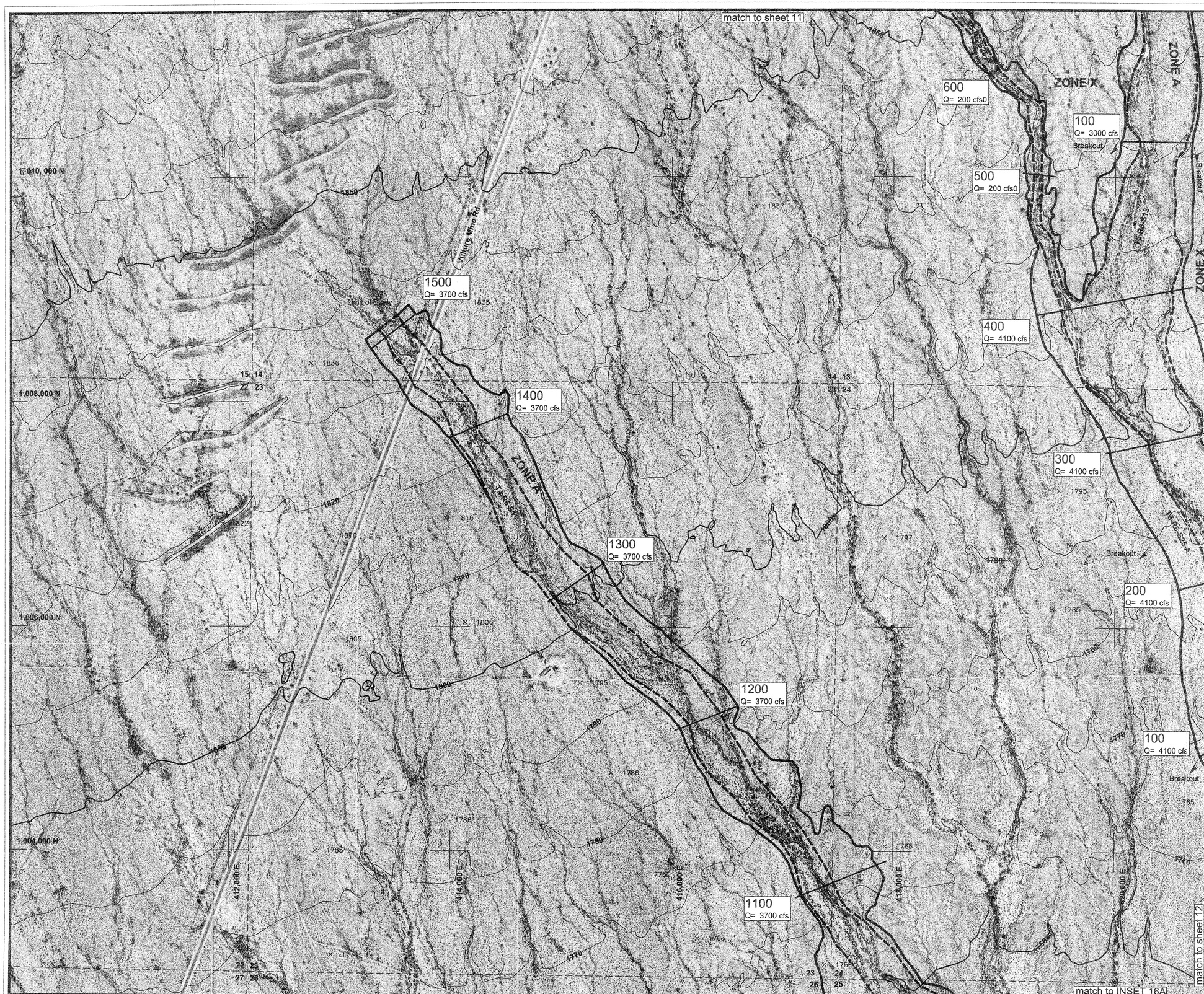
JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1131

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
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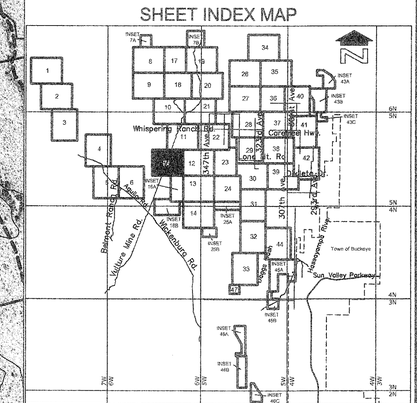
3. ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.11

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-3-03 ARIZONA, U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-732-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

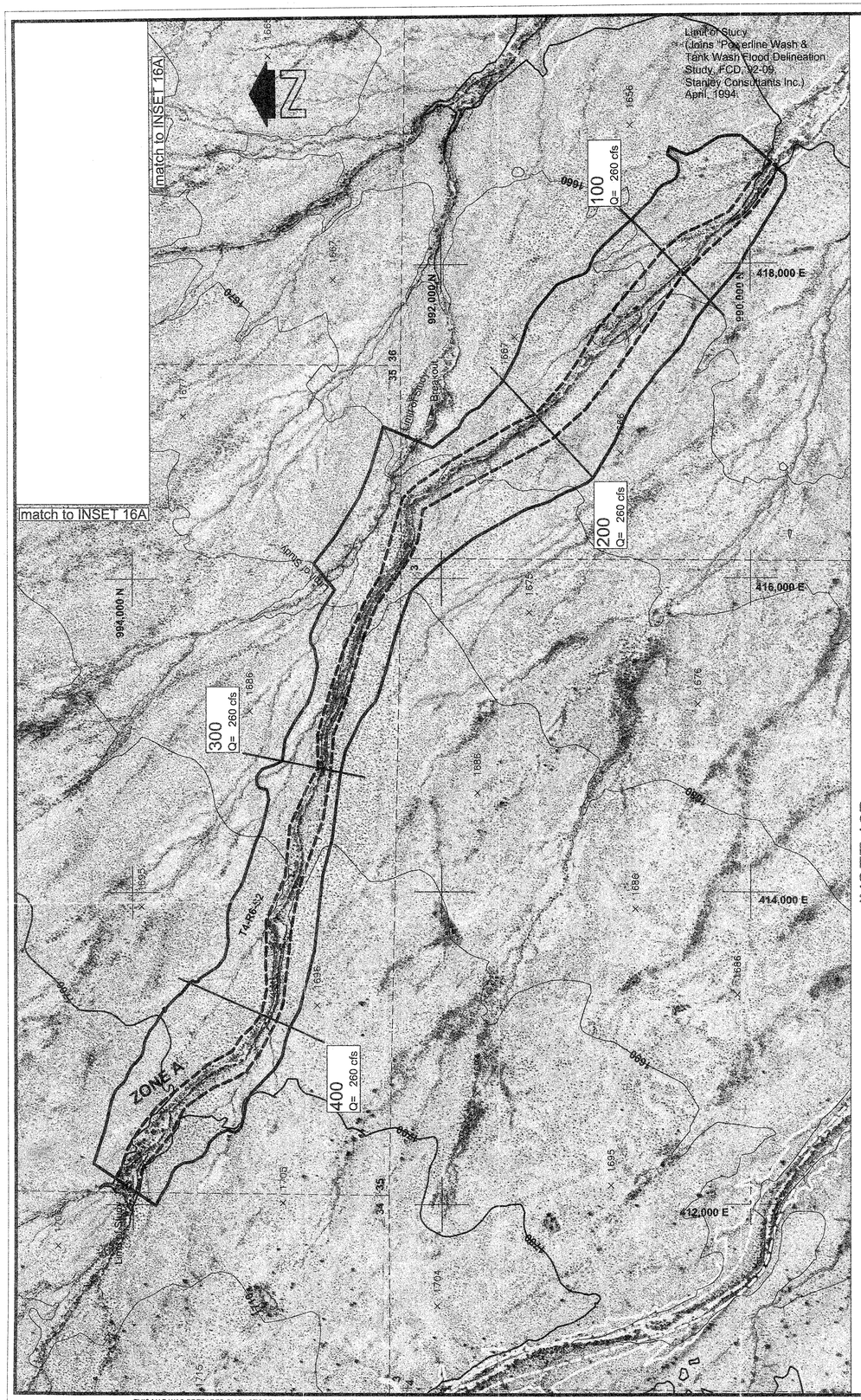
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-390-1131

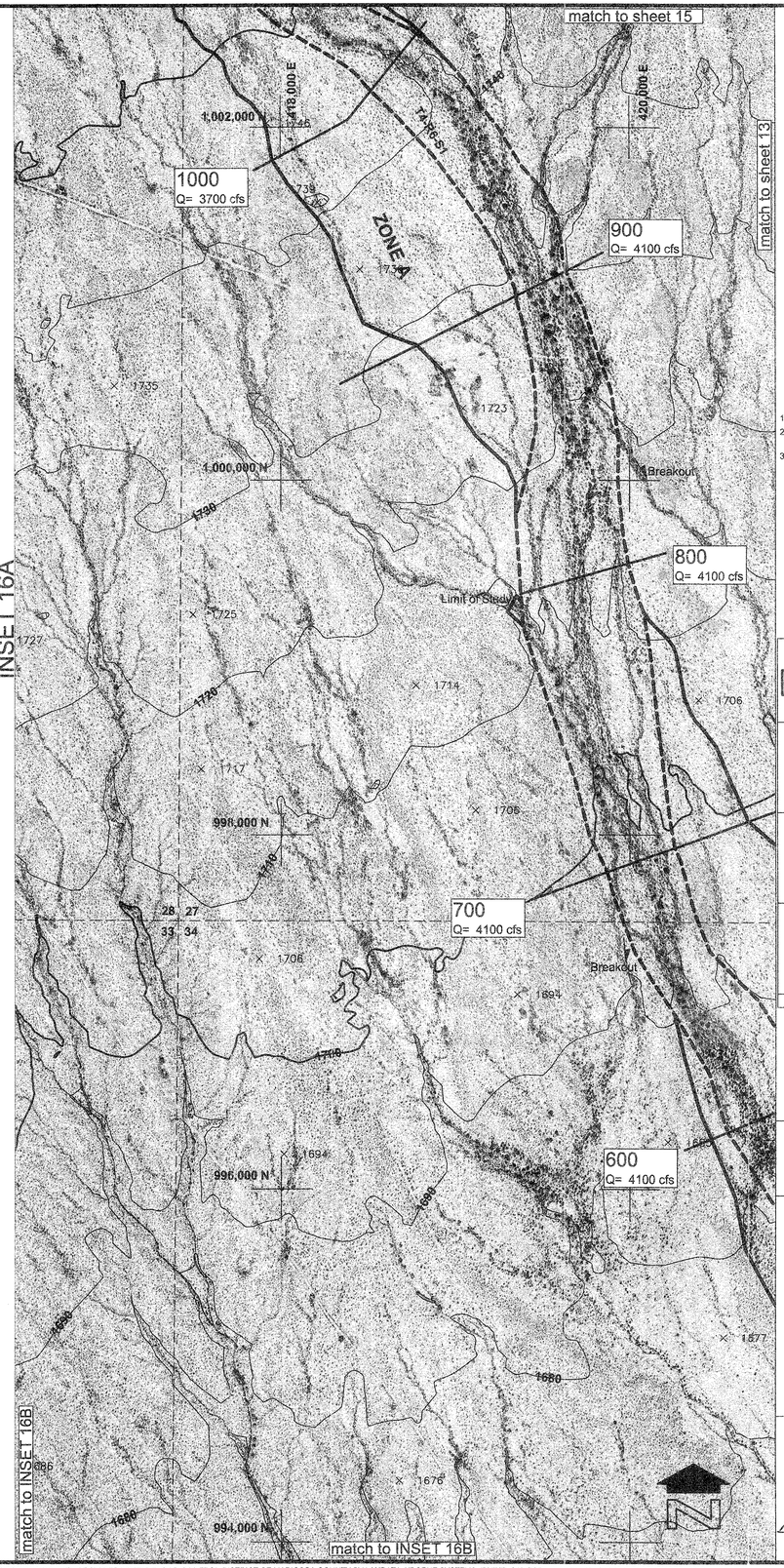
SHEET 15 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA





LEGEND

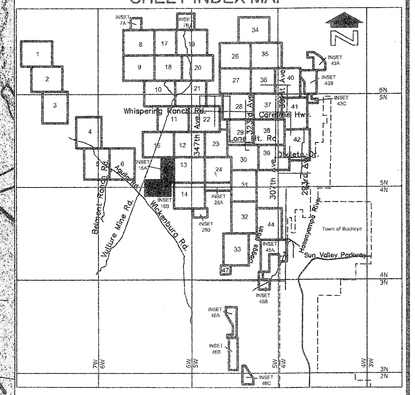
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: 16A: NGVD 29 = NAVD 88 - 2.08
   16B: NGVD 29 = NAVD 88 - 2.08

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil)
CERTIFICATE NO. 29325
BRIAN R. ISERMAN
Date Signed 4-8-03
ARIZONA U.S.A.

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 336-8500

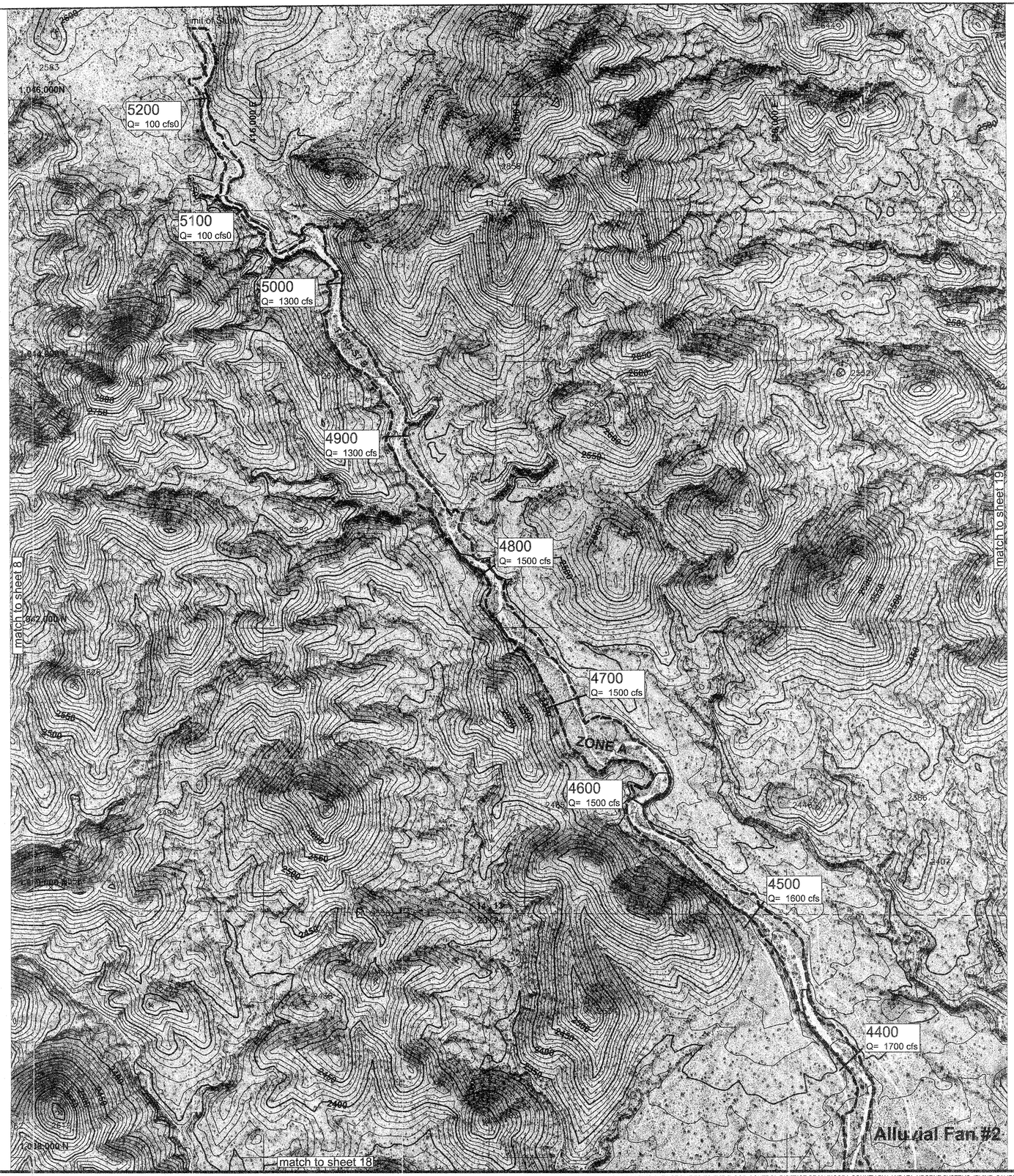
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-359-1111

SHEET 16 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

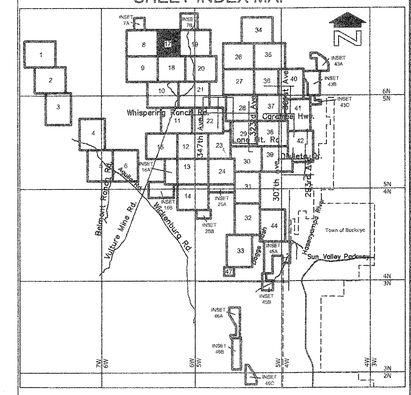
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.28

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 1-6-03 ARIZONA, U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-753-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-359-1111

SHEET 17 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

match to sheet 17

match to sheet 19

match to sheet 20

match to sheet 9

match to sheet 10

match to sheet 21

500
Q= 100 cfs0

400
Q= 100 cfs0

300
Q= 1200 cfs

200
Q= 1400 cfs

100
Q= 2200 cfs

4300
Q= 1700 cfs

2100
Q= 2200 cfs

4200
Q= 2200 cfs

2000
Q= 500 cfs

4100
Q= 2200 cfs

1900
Q= 500 cfs

4000
Q= 2800 cfs

1800
Q= 500 cfs

3900
Q= 2800 cfs

1700
Q= 500 cfs

3800
Q= 2800 cfs

1600
Q= 500 cfs

Limit of Study

ZONE A

ZONE X

Alluvial Fan #2

Breakout

T14RS-16E

T15RS-16E

16-R6-S25

1,036,000 N

1,032,000 N

1,028,000 N

1,024,000 N

416,000 E

418,000 E

420,000 E

422,000 E

LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.23

ELEVATION REFERENCE MARKS

SHEET INDEX MAP

SCALE IN FEET
400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"
(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer
29325
BRIAN R. ISERMAN
Date 4-23-03
ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

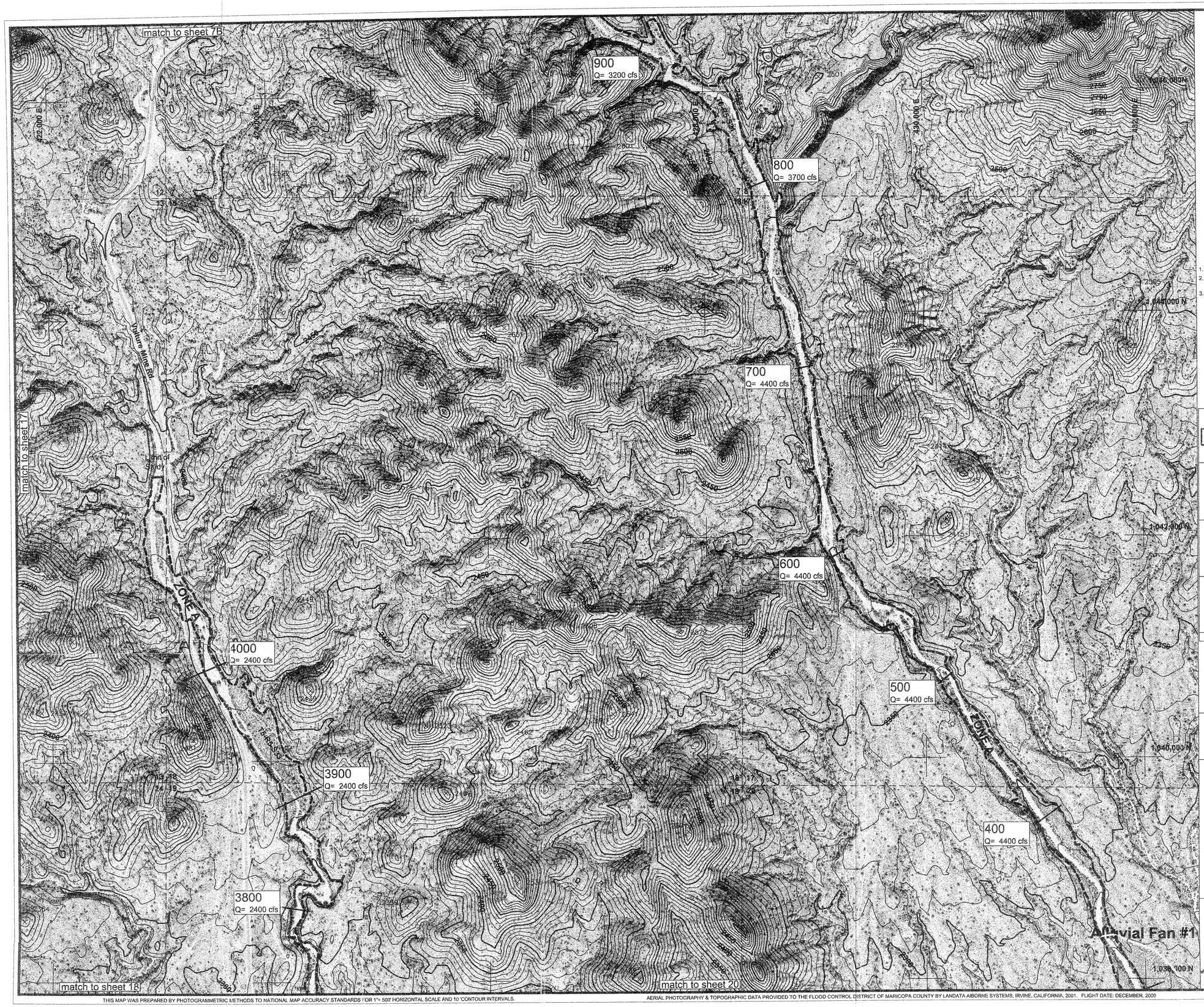
WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 332-8200

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480.596.1777

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

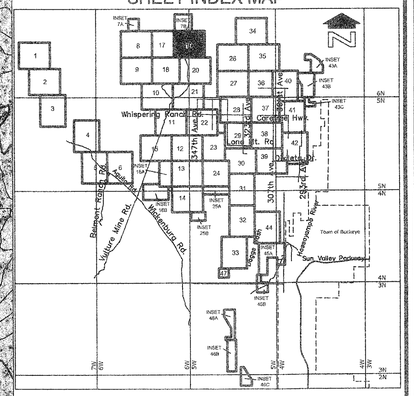
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.26

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
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Hydrologists
Land Surveyors
(602) 335-8500

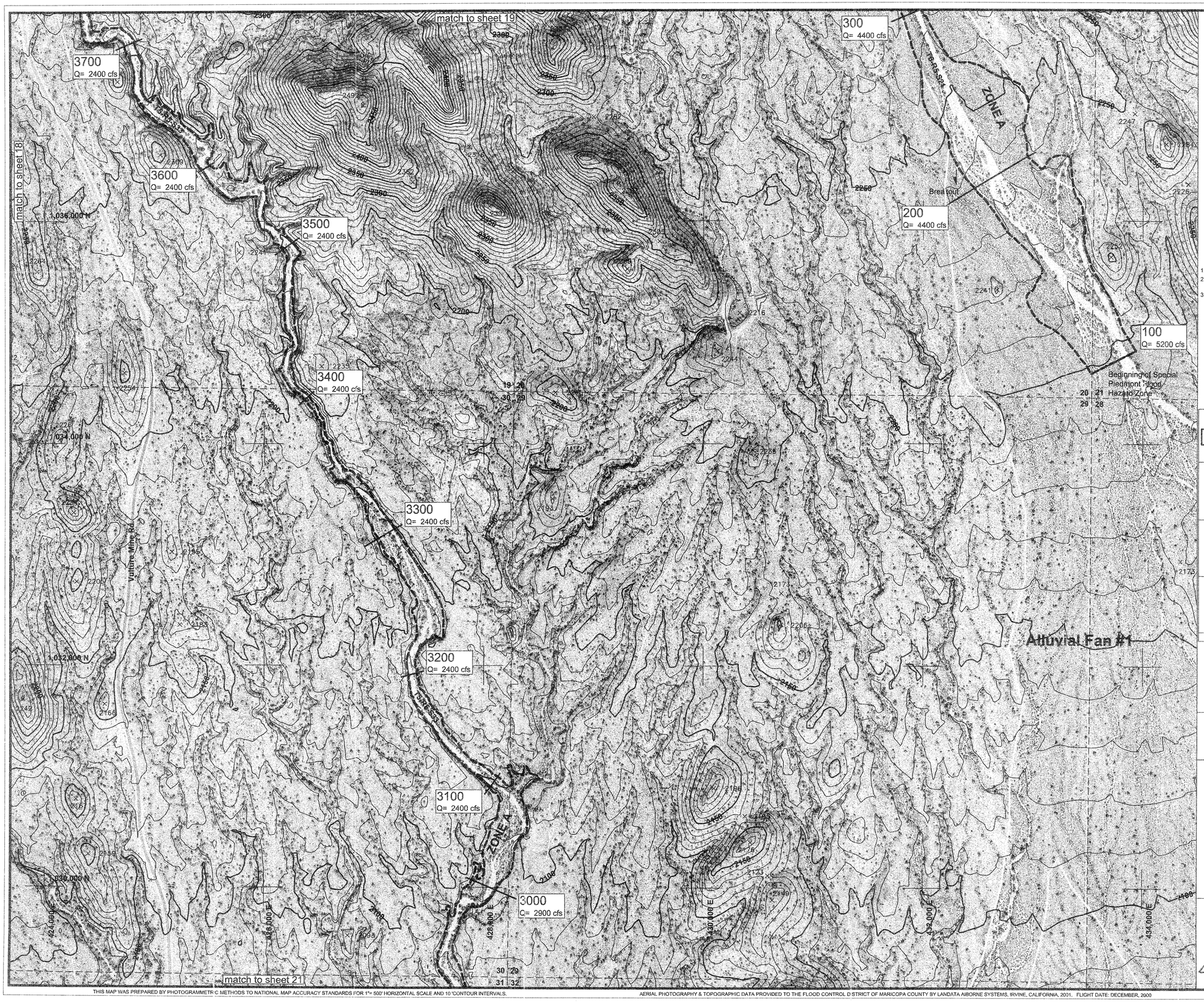
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-994-1111

SHEET 19 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

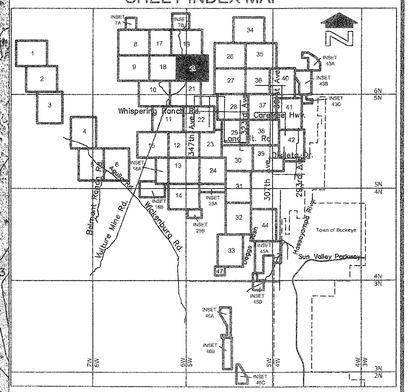
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.21

ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-4-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-710-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
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Hydrologists
Land Surveyors
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A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1131

SHEET 20 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

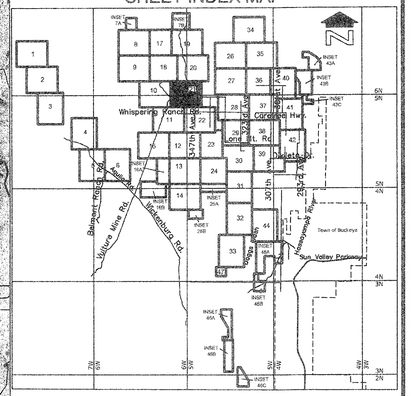
NOTES

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. CONVERSION FACTOR: NGVD 29 = NAVD 88 - 2.16

ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3611	4KK2 (GDACS)	1023891.29	424409.49	2009.25

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 2-3-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-753-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
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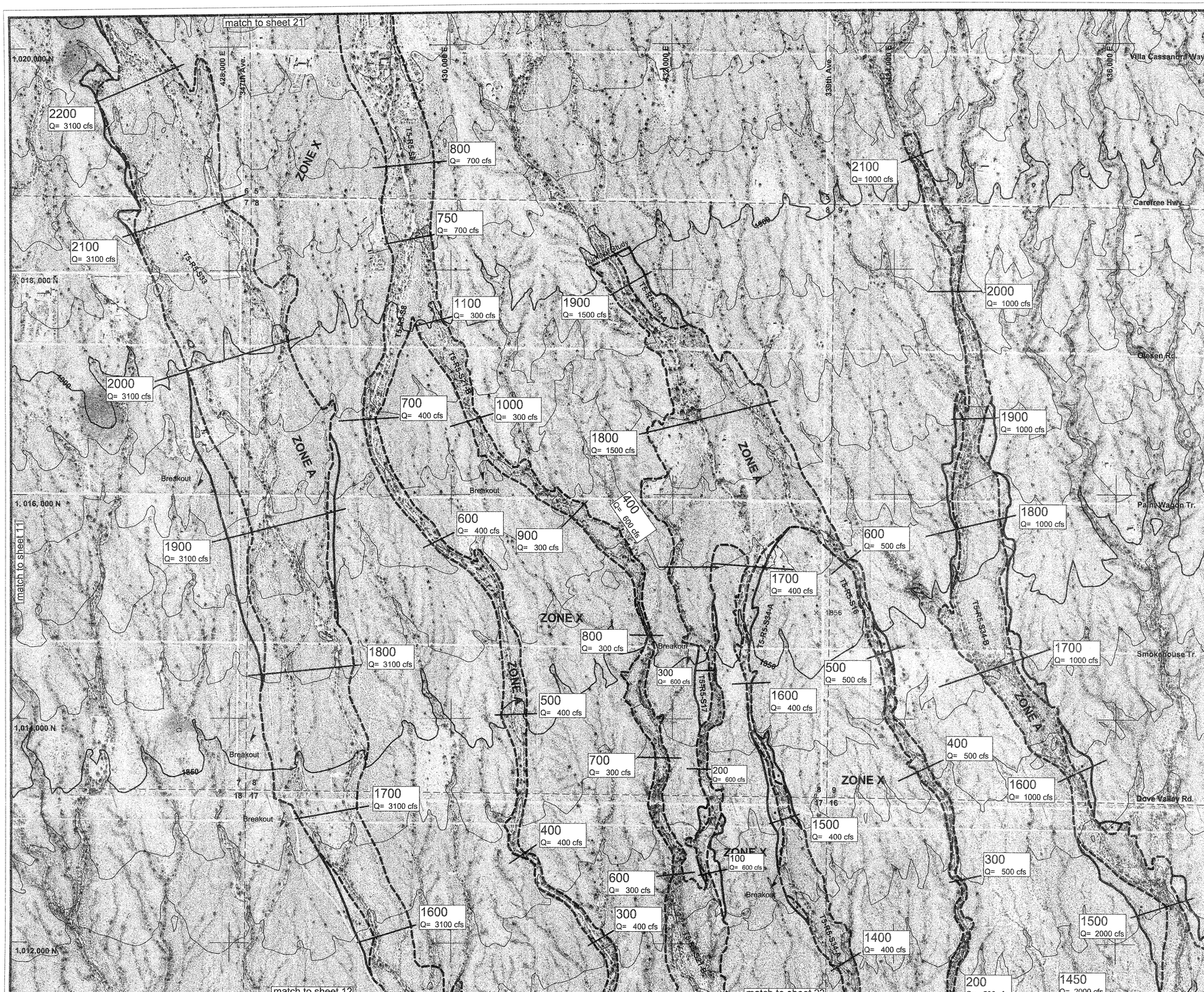
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1111

SHEET 21 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10' CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
2. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
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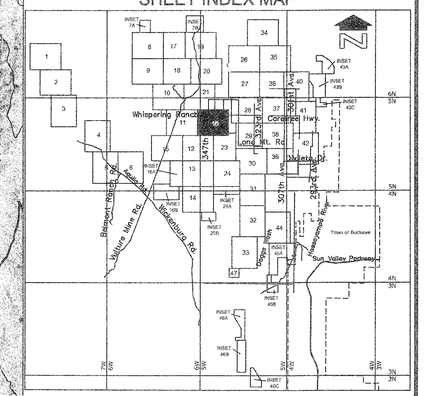
ELEVATION REFERENCE MARKS

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-753-2124

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Land Surveyors
(602) 336-5500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1131

Registered Professional Engineer (Civil)
Certificate No. 29325
BRIAN R. ISERMAN
Date Signed 8-1-03
Arizona U.S.A.

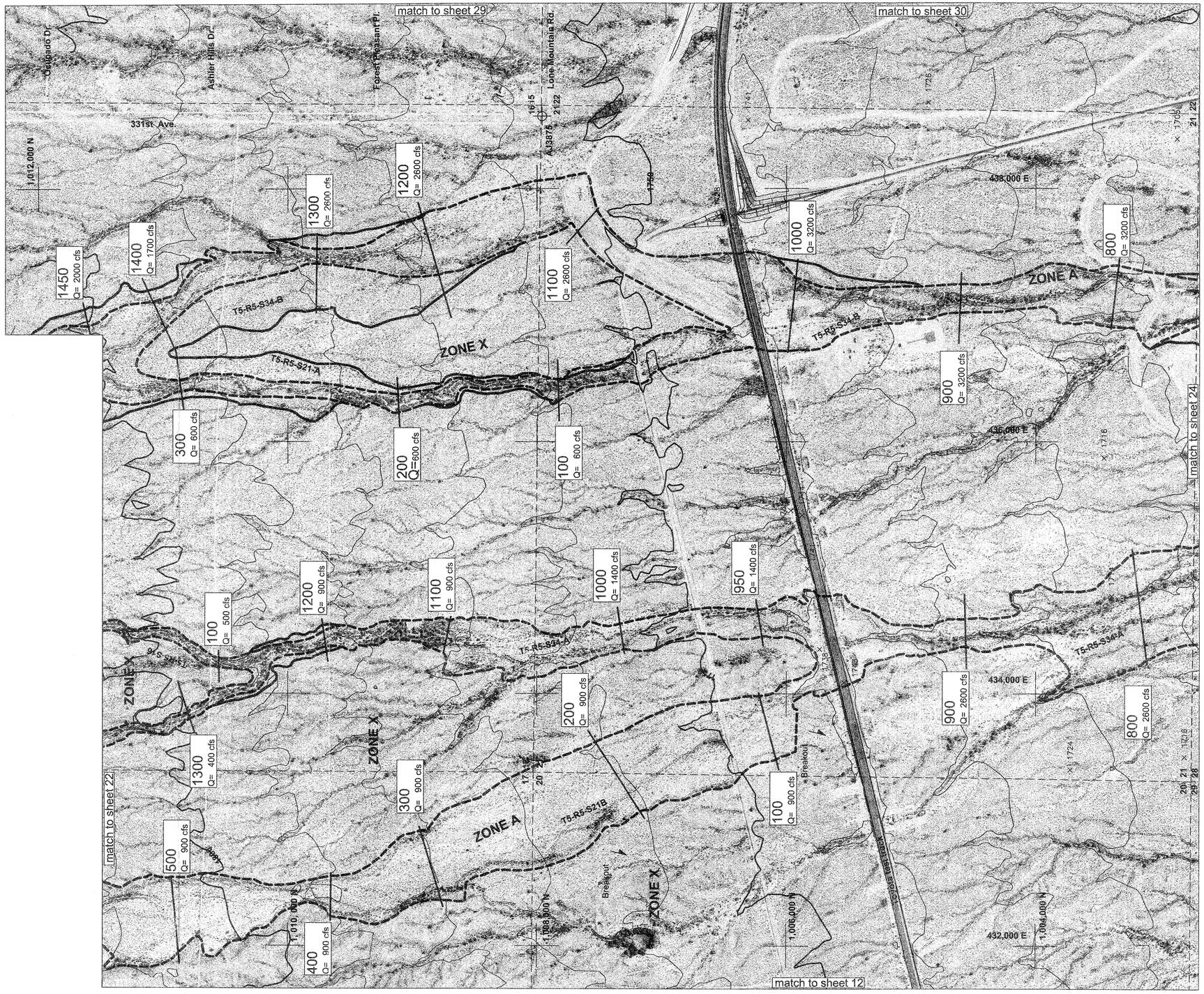
Brian R. Iserman

SHEET 22 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA



LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

1. SECTION BOUNDARIES PROVIDED BY FCDMC
2. HORIZONTAL PROJECTION IS ARIZONA STATE PLANE, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983.
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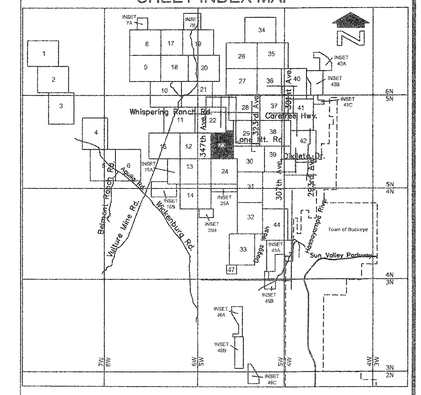
ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3875	4JJ2 (GDACS)	1007963.60	438567.35	1756.35

SHEET INDEX MAP



SCALE IN FEET

400' 0' 400' 800'

CONTOUR INTERVAL = 10 FEET

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APPROXIMATE ZONE A FLOODPLAIN DELINEATION STUDY OF

WATERSHED "OO"

(JACKRABBIT WASH)
2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4-4-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

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(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona - 480-998-1111

SHEET 23 OF 47

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 500' HORIZONTAL SCALE AND 10 'CONTOUR INTERVALS.

AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

GROUND CONTROL SURVEY DATA PROVIDED BY RBF CONSULTING, PHOENIX, ARIZONA

match to sheet 23

match to sheet 13

match to sheet 30

match to sheet 31

match to INSET 25A

700
Q= 3200 cfs

700
Q= 2600 cfs

Breakout

600
Q= 3200 cfs

600
Q= 2600 cfs

500
Q= 2600 cfs

500
Q= 3200 cfs

Breakout

Breakout

400
Q= 3200 cfs

500
Q= 5400 cfs

400
Q= 2600 cfs

400
Q= 5400 cfs

300
Q= 3200 cfs

200
Q= 3200 cfs

300
Q= 5400 cfs

200
Q= 2600 cfs

100
Q= 3200 cfs

100
Q= 5400 cfs

100
Q= 2600 cfs

Breakout

ZONE X

ZONE X

ZONE X

ZONE A

ZONE A

ZONE A

ZONE A

T4-R5S34A

T4-R5S34B

T4-R5S33

Toyota test track

1,002,000 N

1,000,000 N

998,000 N

996,000 N

994,000 N

432,000 E

434,000 E

436,000 E

438,000 E

440,000 E

LEGEND

100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE LIMITS	Corporate Limits
COUNTY BOUNDARY	County Boundary
ELEVATION REFERENCE MARK	AJ3618

NOTES

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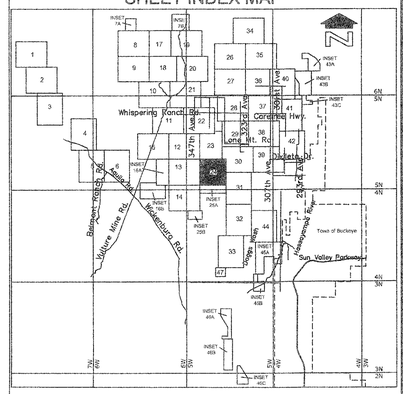
ELEVATION REFERENCE MARKS

SHEET INDEX MAP


Whispering Ranch Rd.
Cotton Ln.
Cotton Rd.
Cotton Ln.
Jackrabbit Rd.
Broadway Rd.
Watkins Rd.
Miller Rd.
Sun Valley Parkway
Town of Buckeye
Yuma Rd.
Van Buren St.
Roosevelt St.
347th Ave
339th Ave
331st Ave
323rd Ave
315th Ave
307th Ave
299th Ave
291st Ave
283rd Ave
275th Ave
267th Ave
259th Ave
251st Ave
243rd Ave
235th Ave
227th Ave
219th Ave
211th Ave
203rd Ave
195th Ave
187th Ave
179th Ave
171st Ave
163rd Ave
155th Ave
147th Ave
139th Ave
131st Ave
123rd Ave
115th Ave
107th Ave
99th Ave
91st Ave
83rd Ave
75th Ave
67th Ave
59th Ave
51st Ave
43rd Ave
35th Ave
27th Ave
19th Ave
11th Ave
3rd Ave
1st Ave
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3rd St
11th St
19th St
27th St
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67th St
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83rd St
91st St
99th St
107th St
115th St
123rd St
131st St
139th St
147th St
155th St
163rd St
171st St
179th St
187th St
195th St
203rd St
211th St
219th St
227th St
235th St
243rd St
251st St
259th St
267th St
275th St
283rd St
291st St
299th St
307th St
315th St
323rd St
331st St
339th St
347th St
355th St
363rd St
371st St
379th St
387th St
395th St
403rd St
411th St
419th St
427th St
435th St
443rd St
451st St
459th St
467th St
475th St
483rd St
491st St
499th St
507th St
515th St
523rd St
531st St
539th St
547th St
555th St
563rd St
571st St
579th St
587th St
595th St
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619th St
627th St
635th St
643rd St
651st St
659th St
667th St
675th St
683rd St
691st St
699th St
707th St
715th St
723rd St
731st St
739th St
747th St
755th St
763rd St
771st St
779th St
787th St
795th St
803rd St
811th St
819th St
827th St
835th St
843rd St
851st St
859th St
867th St
875th St
883rd St
891st St
899th St
907th St
915th St
923rd St
931st St
939th St
947th St
955th St
963rd St
971st St
979th St
987th St
995th St
1003rd St
1011th St
1019th St
1027th St
1035th St
1043rd St
1051st St
1059th St
1067th St
1075th St
1083rd St
1091st St
1099th St
1107th St
1115th St
1123rd St
1131st St
1139th St
1147th St
1155th St
1163rd St
1171st St
1179th St
1187th St
1195th St
1203rd St
1211th St
1219th St
1227th St
1235th St
1243rd St
1251st St
1259th St
1267th St
1275th St
1283rd St
1291st St
1299th St
1307th St
1315th St
1323rd St
1331st St
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1355th St
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1371st St
1379th St
1387th St
1395th St
1403rd St
1411th St
1419th St
1427th St
1435th St
1443rd St
1451st St
1459th St
1467th St
1475th St
1483rd St
1491st St
1499th St
1507th St
1515th St
1523rd St
1531st St
1539th St
1547th St
1555th St
1563rd St
1571st St
1579th St
1587th St
1595th St
1603rd St
1611th St
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