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 5 of 6 (Exhibit B continued)

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

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

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VOLUME 5 OF 6 OF THE TDN

EXHIBITS

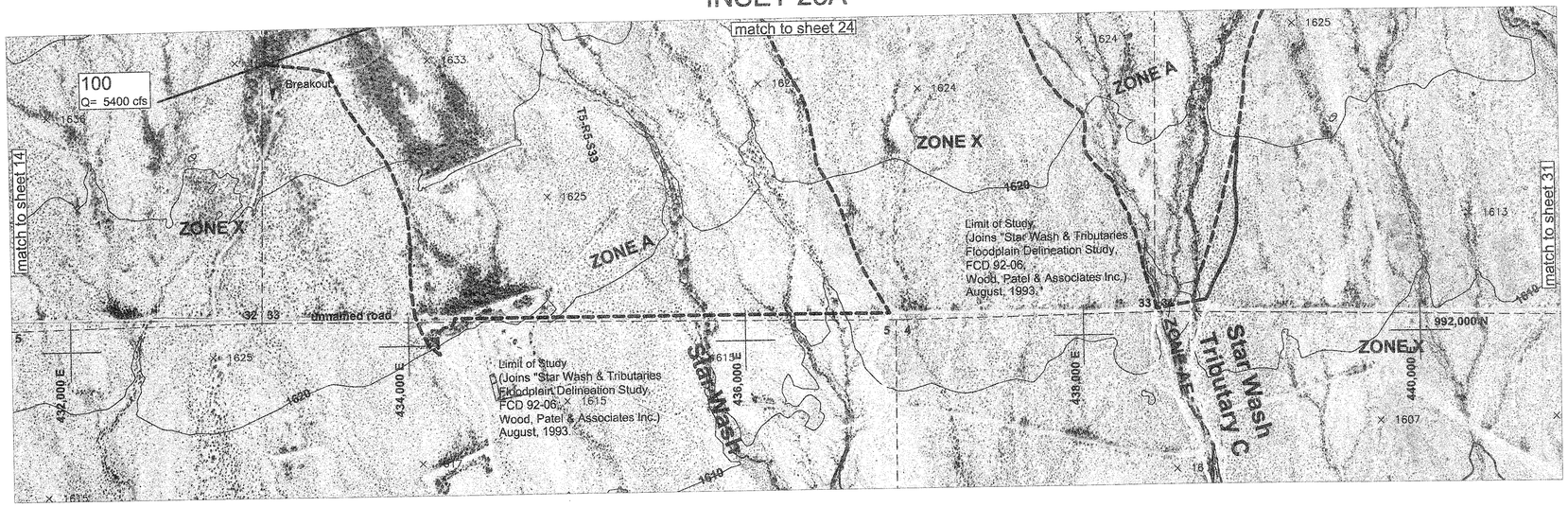
Exhibit B: Zone A Work Study Map Continued

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

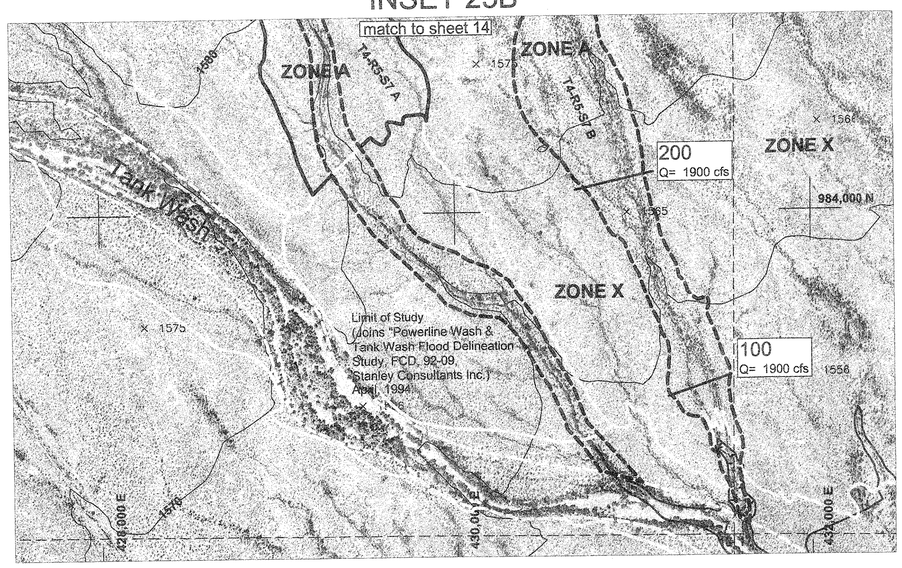
Brian R. Iserman

EXHIBIT B
HYDRAULICS STUDY WORK MAPS

INSET 25A



INSET 25B



LEGEND

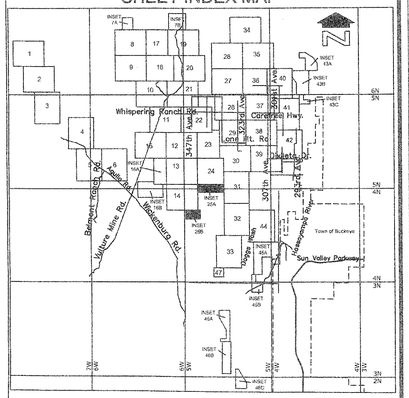
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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: 25A: NGVD 29 = NAVD 88 - 2.04
   25B: NGVD 29 = NAVD 88 - 2.03

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 4-1-03

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA • 480-733-2124

IN ASSOCIATION WITH

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

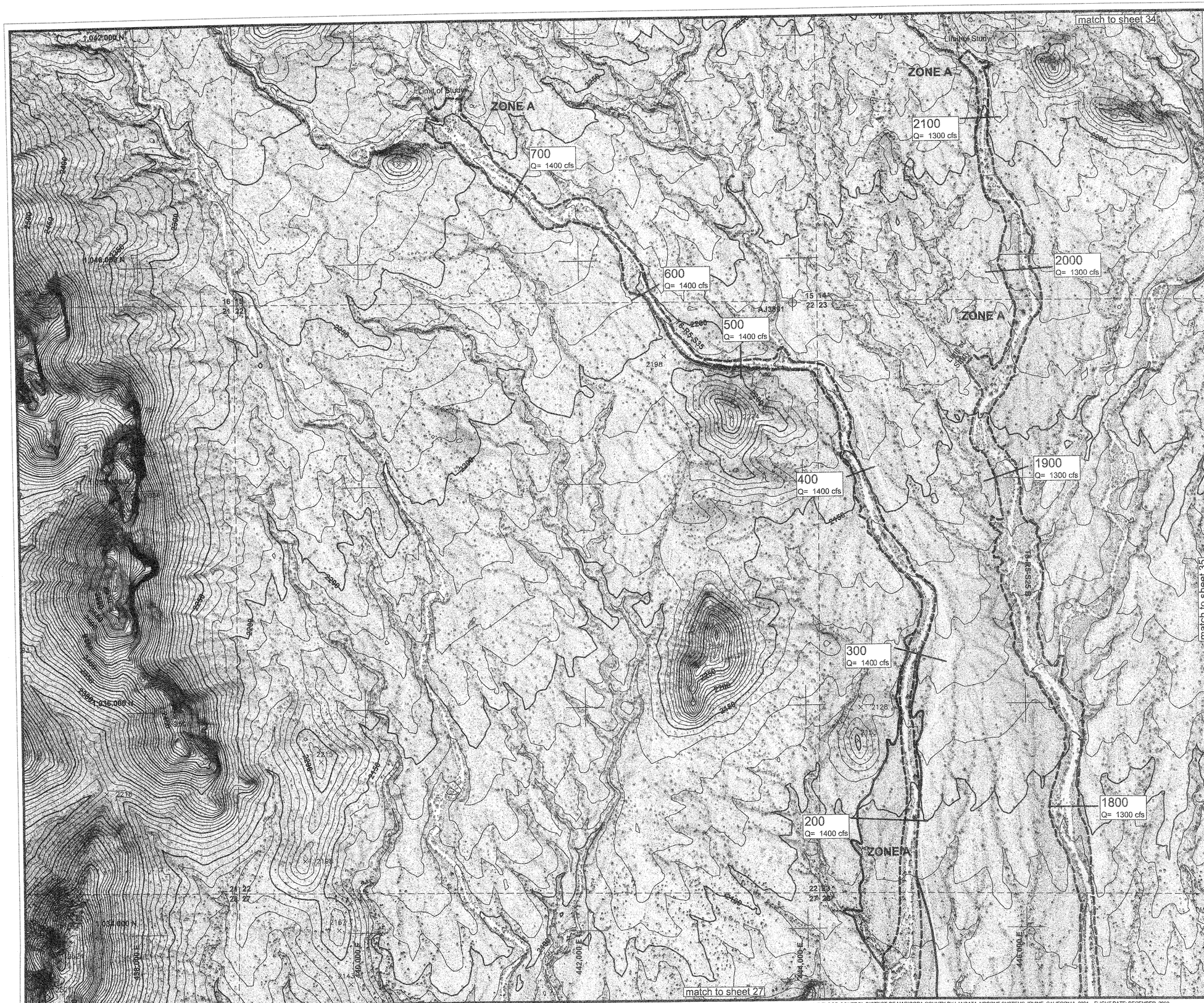
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 85080-1337

SHEET 25 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

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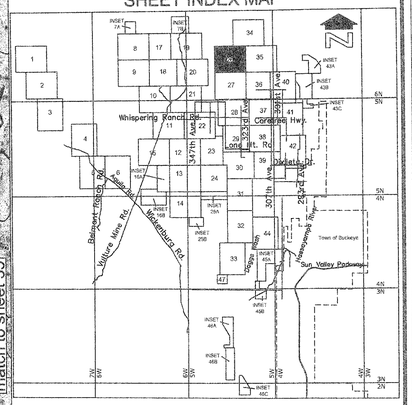
ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3891	4LJ2 (GDACS)	1039591.15	443936.42	2188.79

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

Registered Professional Engineer (Civil) Certificate No. 29325 BRIAN R. ISERMAN Date Signed 4-4-03

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

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
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(602) 336-5500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-990-1171

SHEET 26 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

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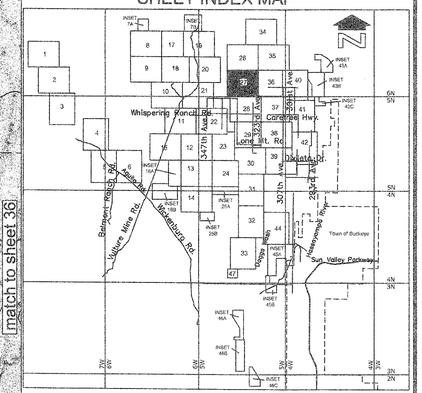
ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3890	4KJ2 (GDACS)	1028100.87	441793.27	2006.09

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

HASSAYAMPA RIVER TRIBUTARIES
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APRIL, 2003

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

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
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Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-488-1137

SHEET 27 OF 47

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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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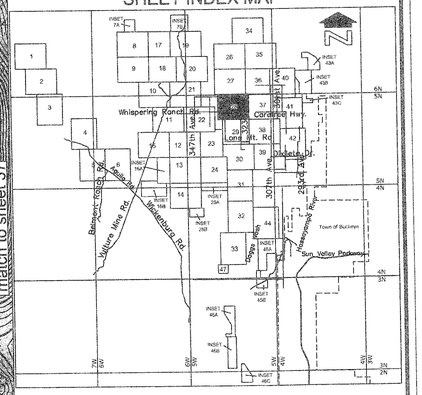
ELEVATION REFERENCE MARKS

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"

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2000CO19

HASSAYAMPA RIVER TRIBUTARIES & LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

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Hydrologists
Land Surveyors
(602) 355-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-664-1111

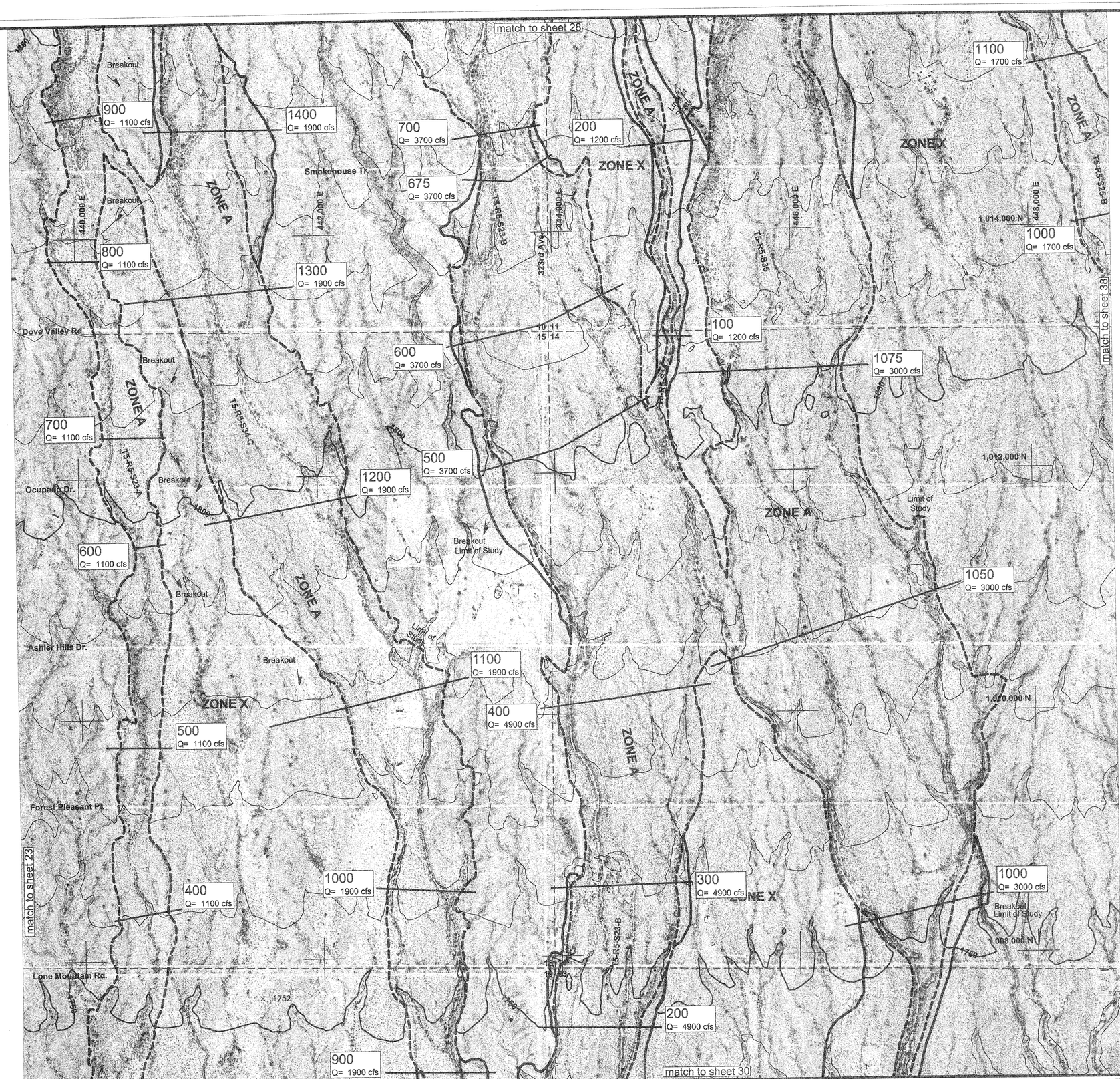
Registered Professional Engineer (Civil)
29325
BRIAN R. ISERMAN
Date Signed 4-1-03

SHEET 28 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

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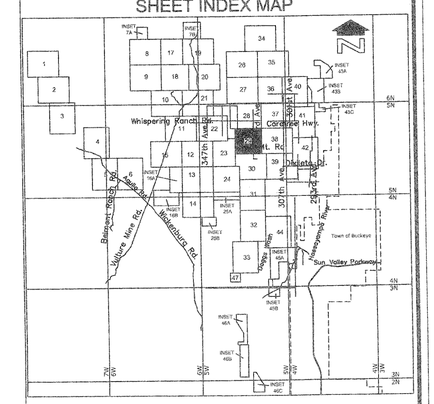
ELEVATION REFERENCE MARKS

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 4-3-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2134

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 - 480-898-1111

SHEET 29 OF 47

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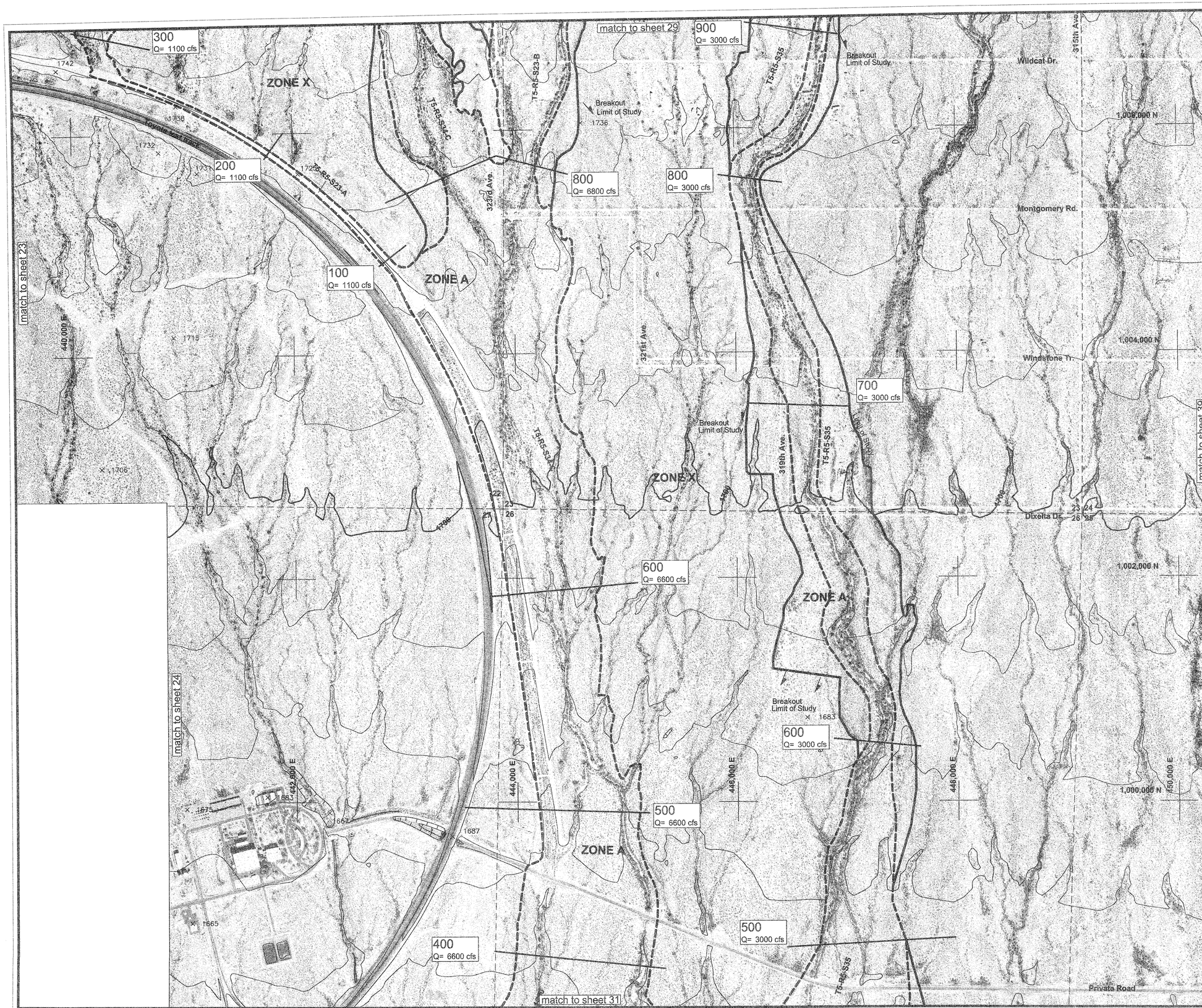
AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

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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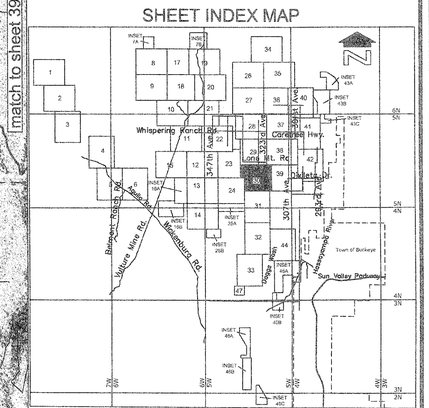
ELEVATION REFERENCE MARKS

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"

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2000CO19

HASSAYAMPA RIVER TRIBUTARIES
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APRIL, 2003

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CERTIFICATE NO. 29325
BRIAN R. ISERMAN
Date Signed 4-14-03

JE FULLER
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TEMPE, ARIZONA - 480-752-2124

IN ASSOCIATION WITH

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

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-585-1237

SHEET 30 OF 47

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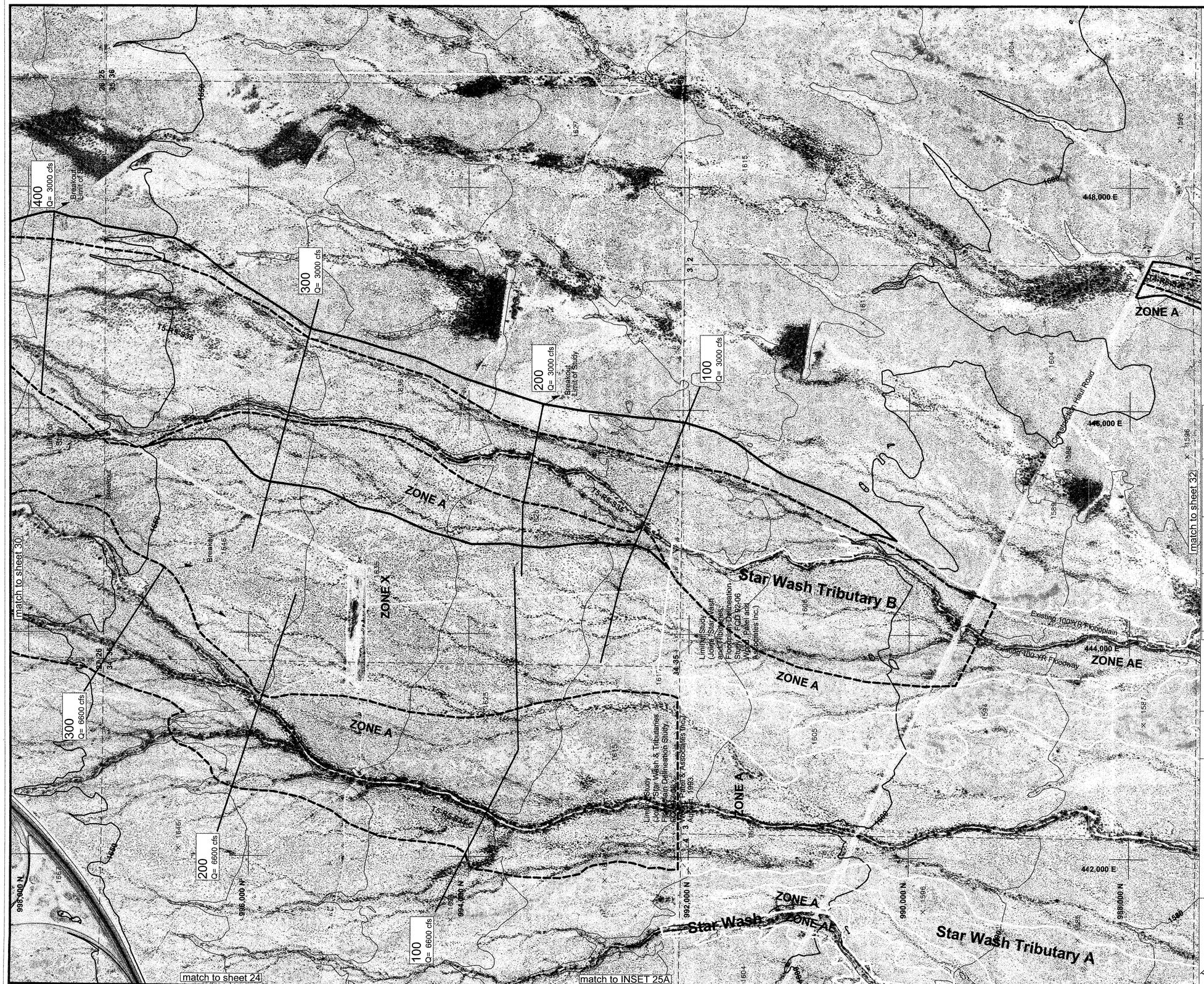
AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

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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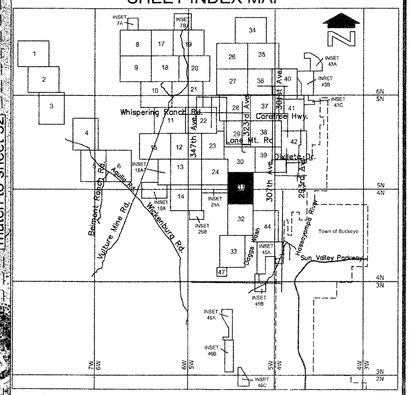
ELEVATION REFERENCE MARKS

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

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2000CO19

HASSAYAMPA RIVER TRIBUTARIES
& LOWER JACKRABBIT WASH TRIBUTARIES

APRIL, 2003

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 4/11/03

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480.752.3124

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 480.580.1171

SHEET 31 OF 47

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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)	
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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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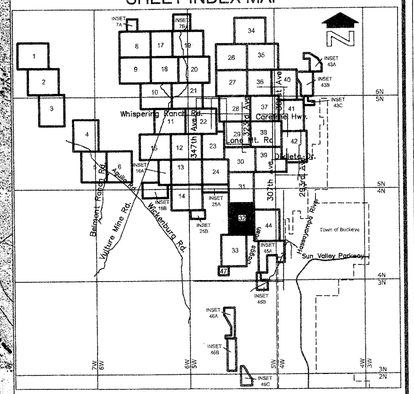
ELEVATION REFERENCE MARKS

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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APRIL, 2003

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Brian R. Iserman

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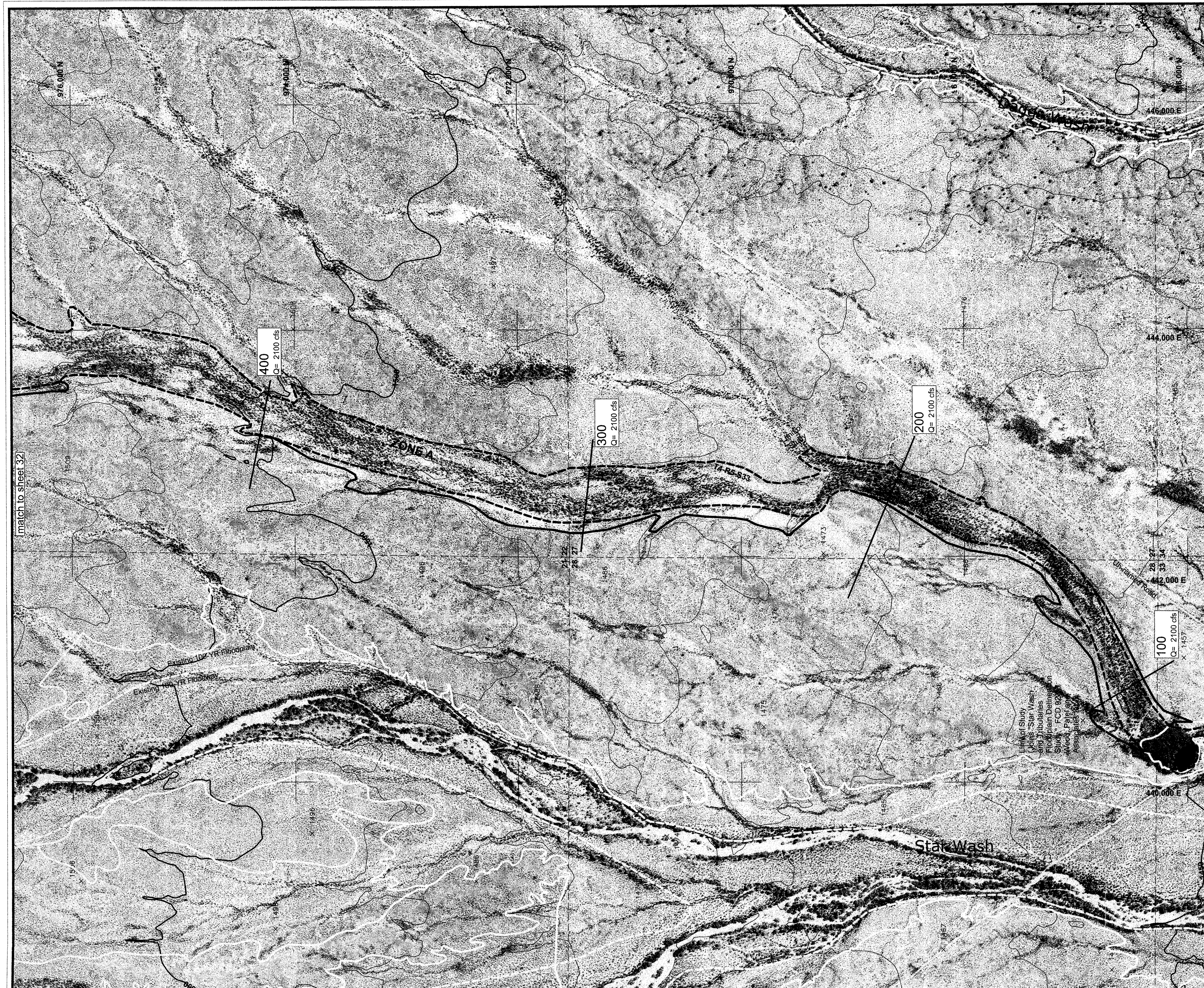
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-200-1111

SHEET 32 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

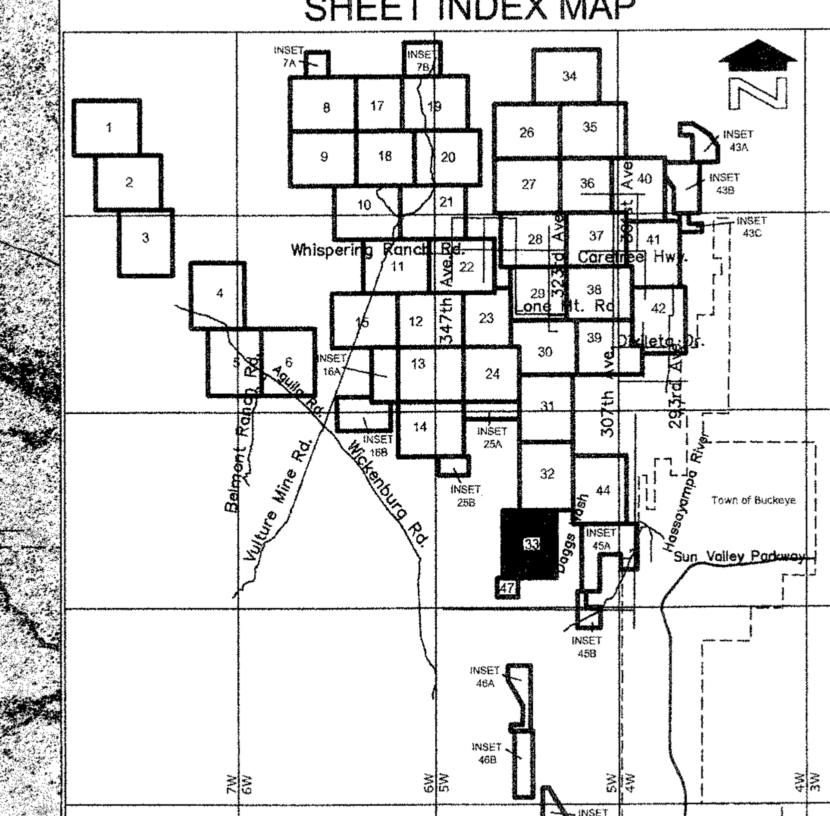
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 - 2.01

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

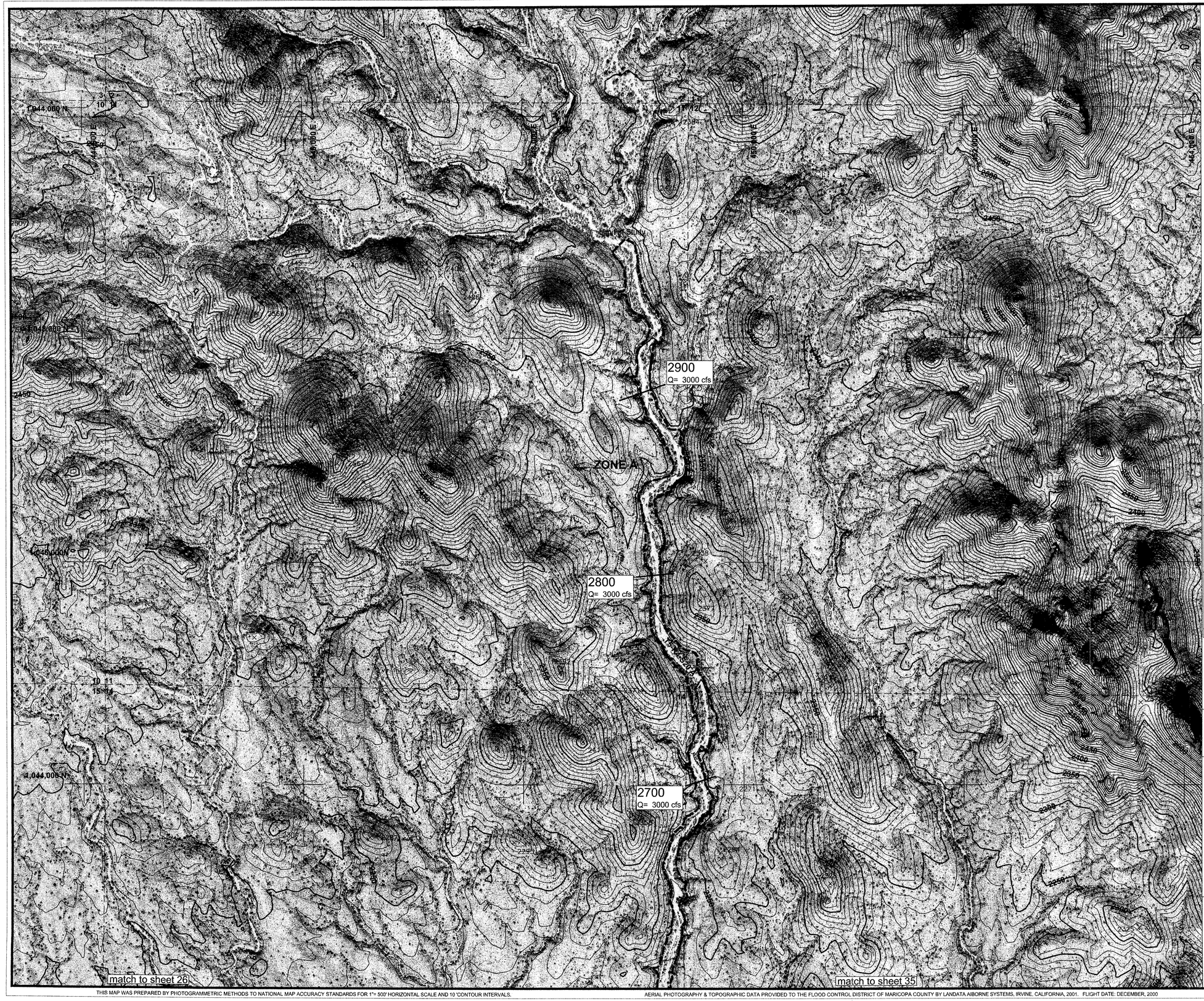
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1131

SHEET 33 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

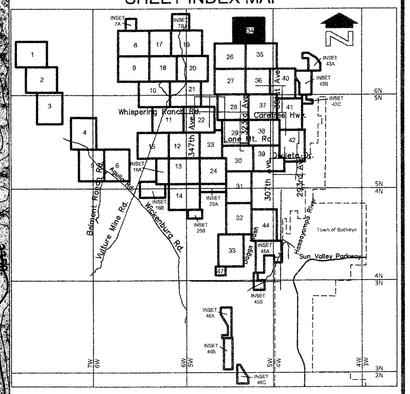
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 4-2-03 ARIZONA U.S.A.

Brian R. Iserman

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

IN ASSOCIATION WITH

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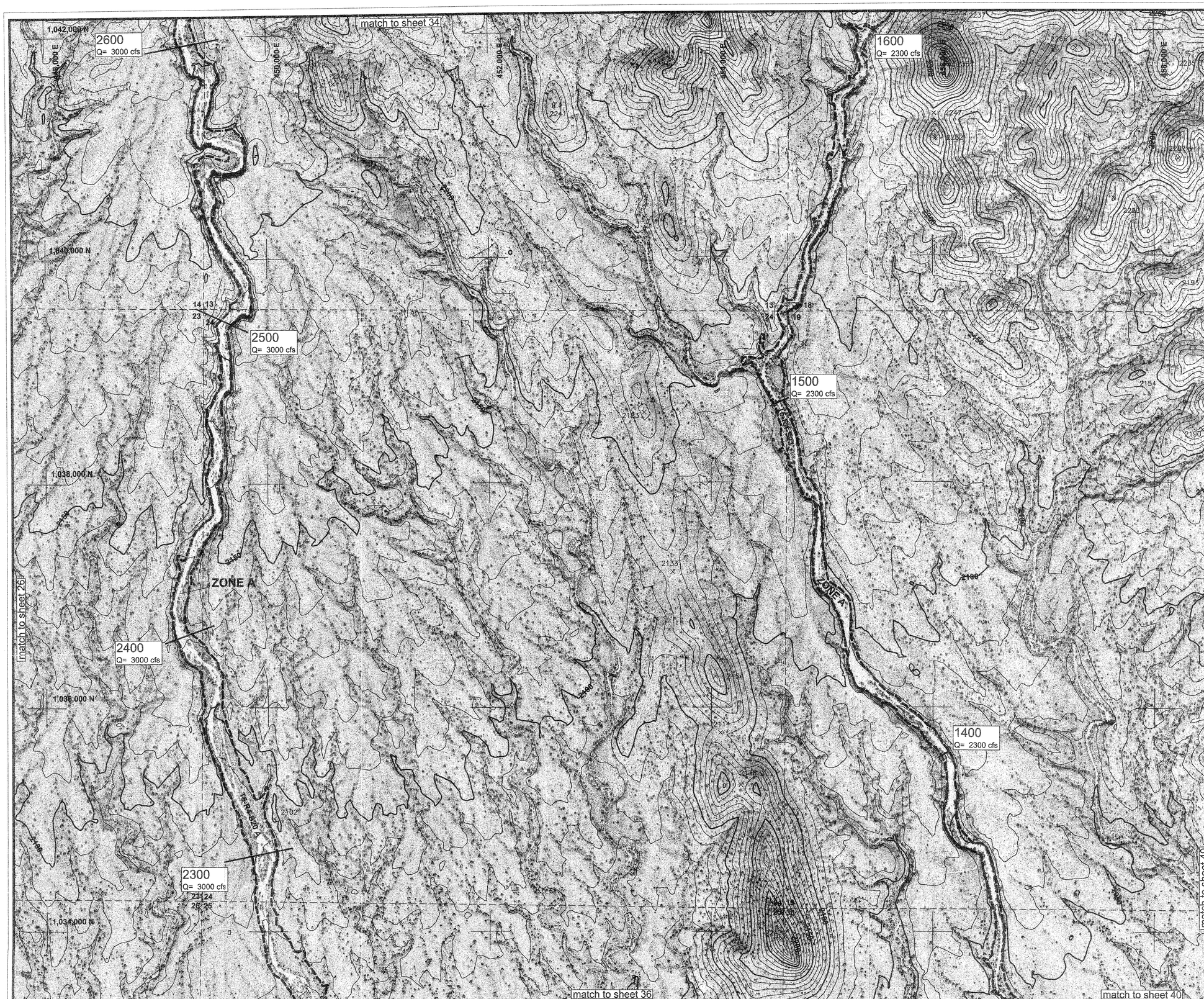
Hydrologists
Land Surveyors
(602) 335-8500

ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-998-1131

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

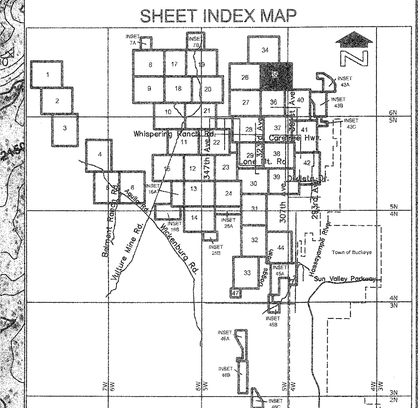
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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

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 - 480-752-2324

IN ASSOCIATION WITH

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Hydrologists
Land Surveyors
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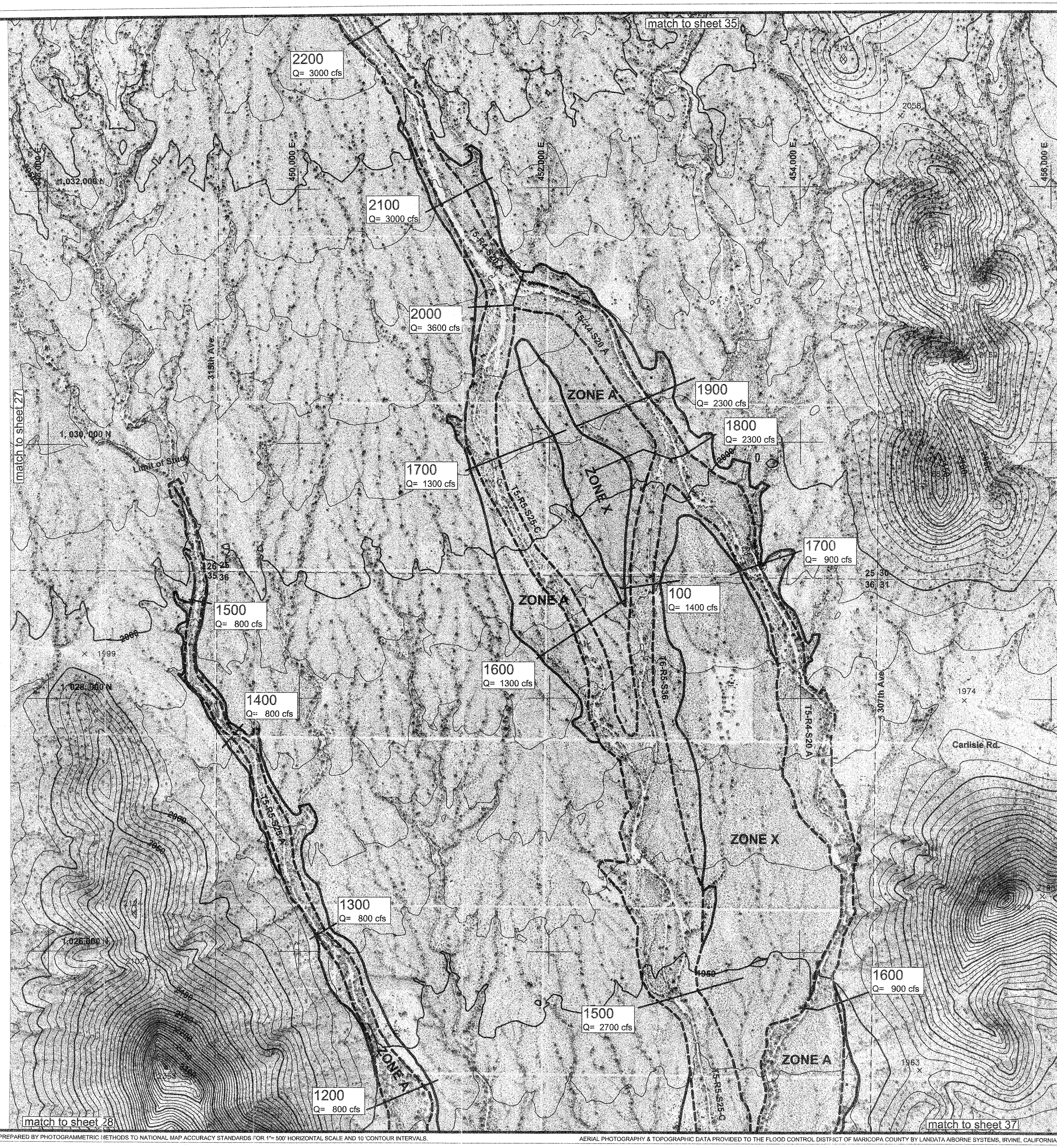
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-986-1151

SHEET 35 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

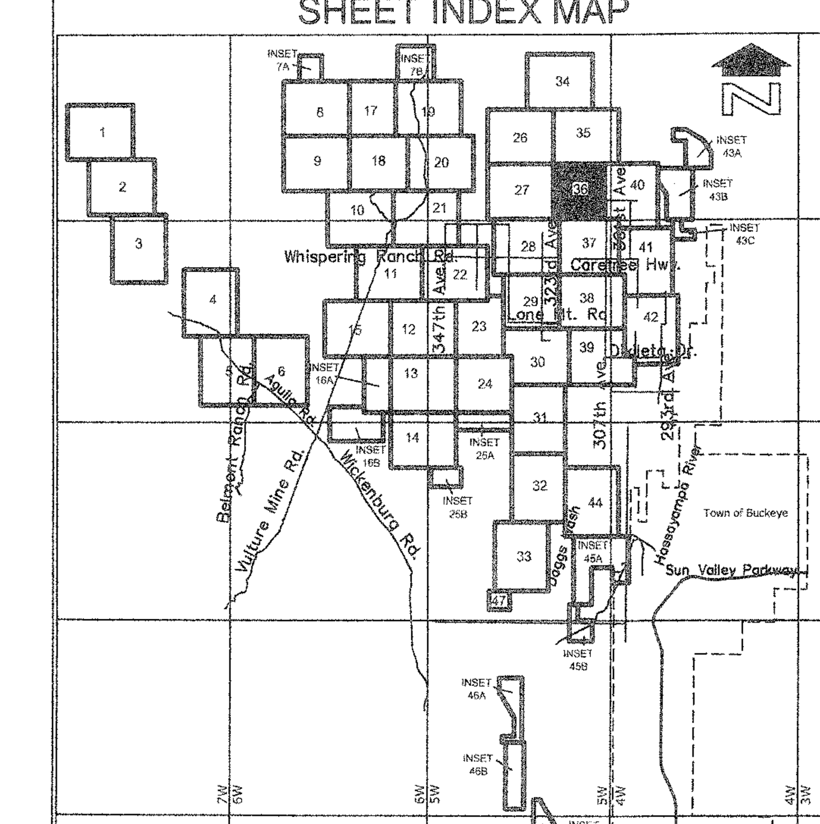
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 - 2.13

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
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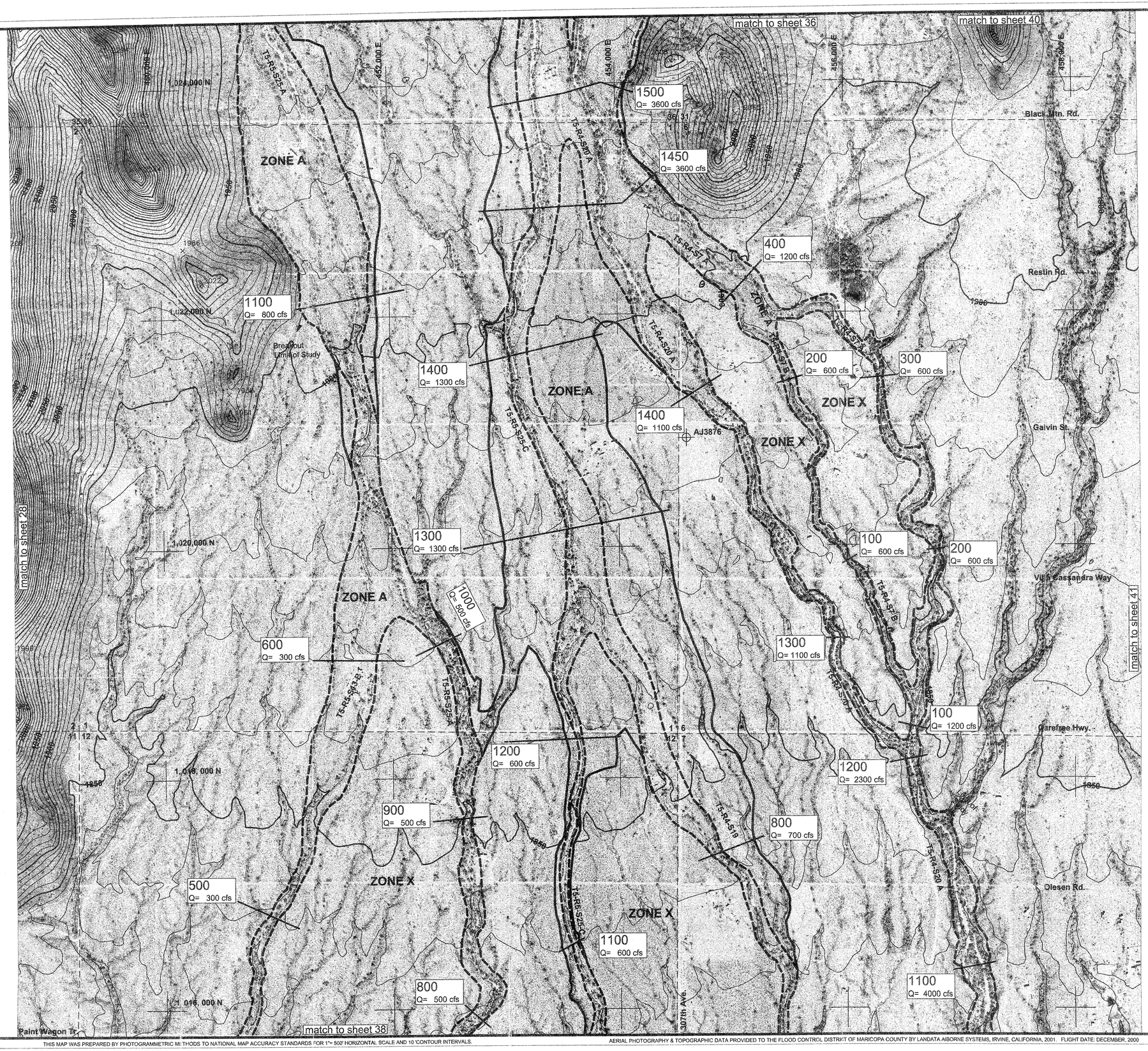
Land Surveyors
(602) 335-8500

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

SHEET 36 OF 47

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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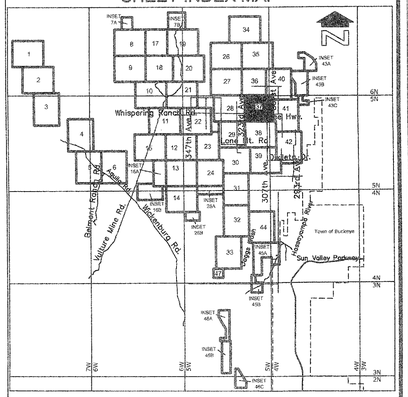
ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3876	4KI2 (GDACS)	1020923.84	454596.89	1884.94

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 - 480-752-3124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 335-8600

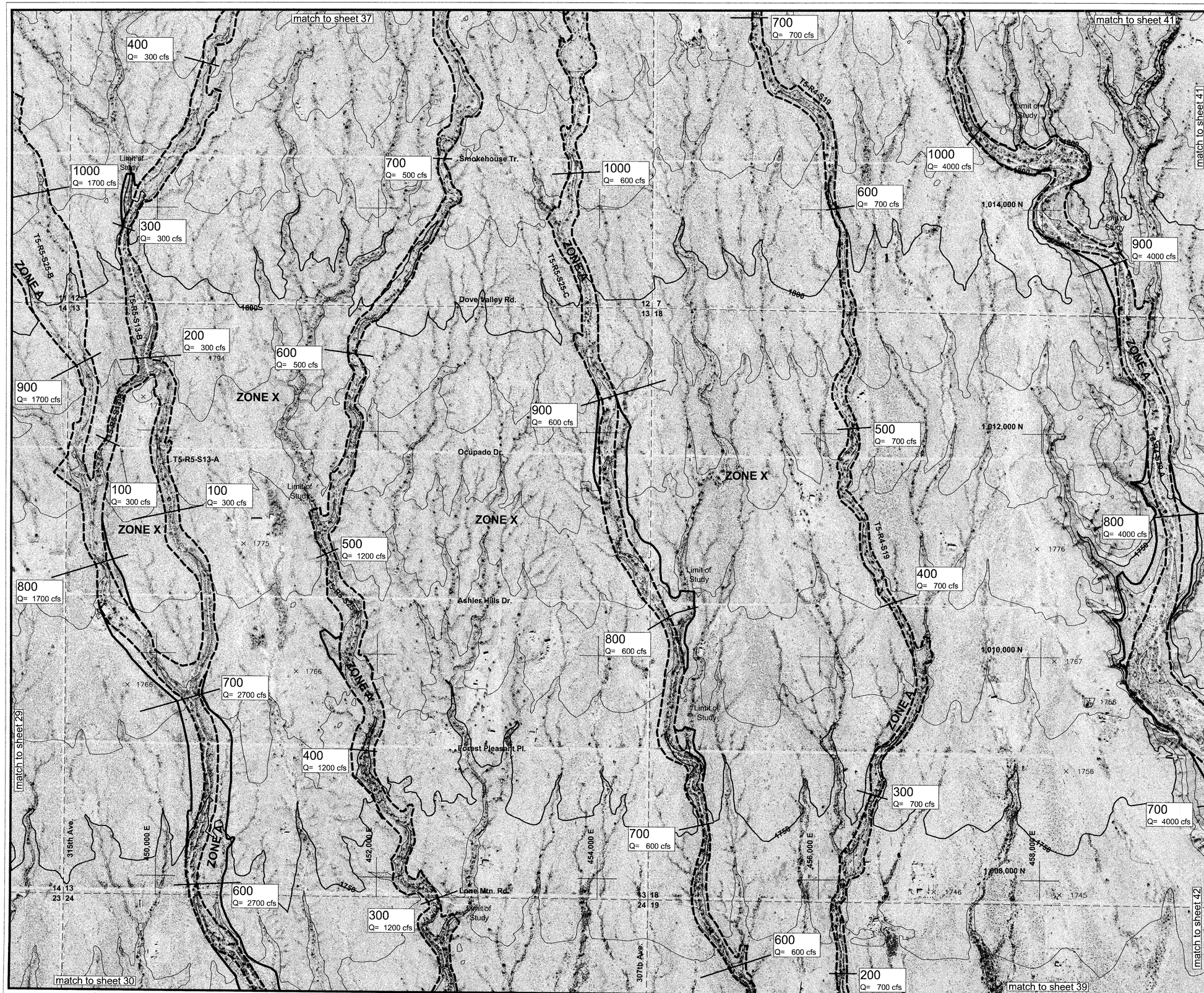
ARGUS CONSULTING
A.C.E.M. ENGINEERING COMPANY L.L.C.
Scottsdale, Arizona 480-596-1737

SHEET 37 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



LEGEND

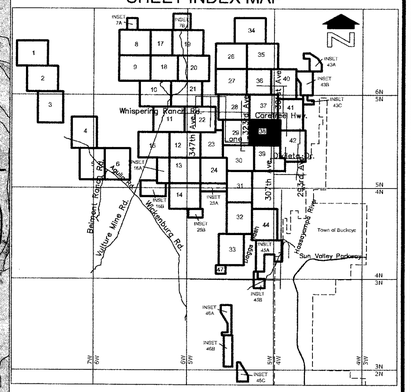
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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

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 (updated June, 2004)

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 6-18-04 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) 335-6500

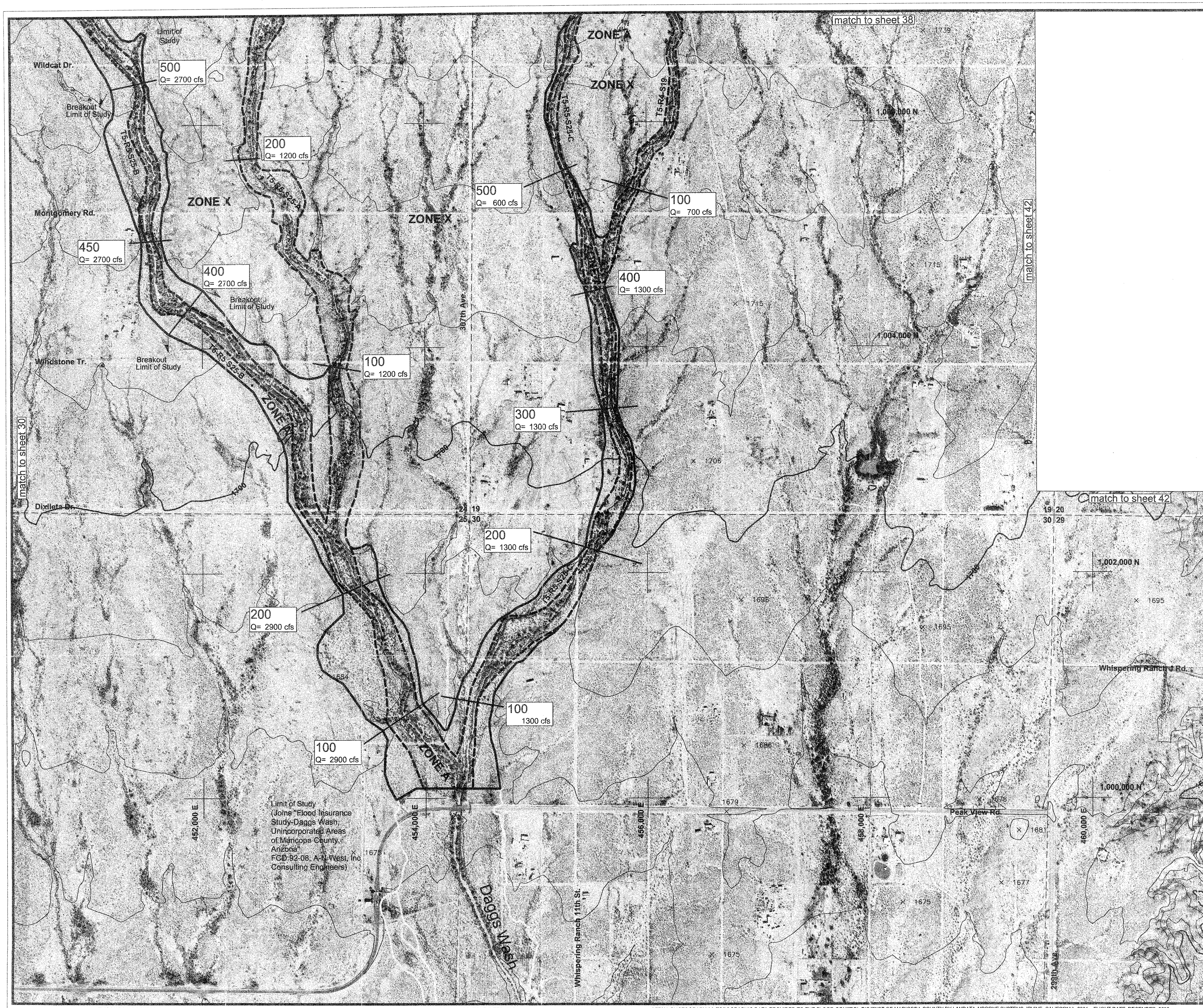
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-539-7117

SHEET 38 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
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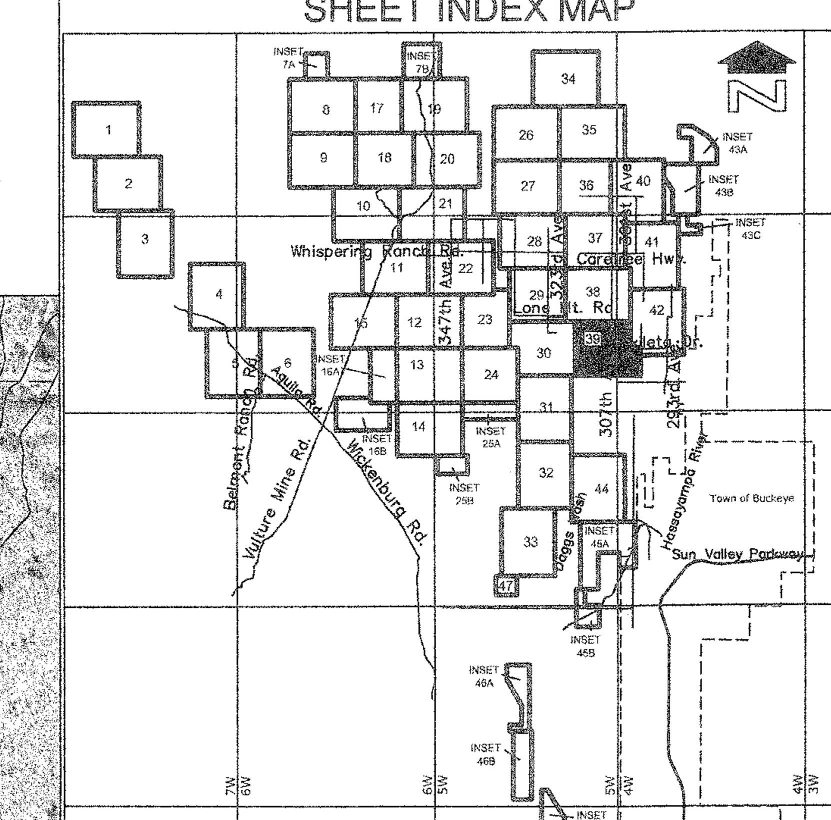
ELEVATION REFERENCE MARKS

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 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

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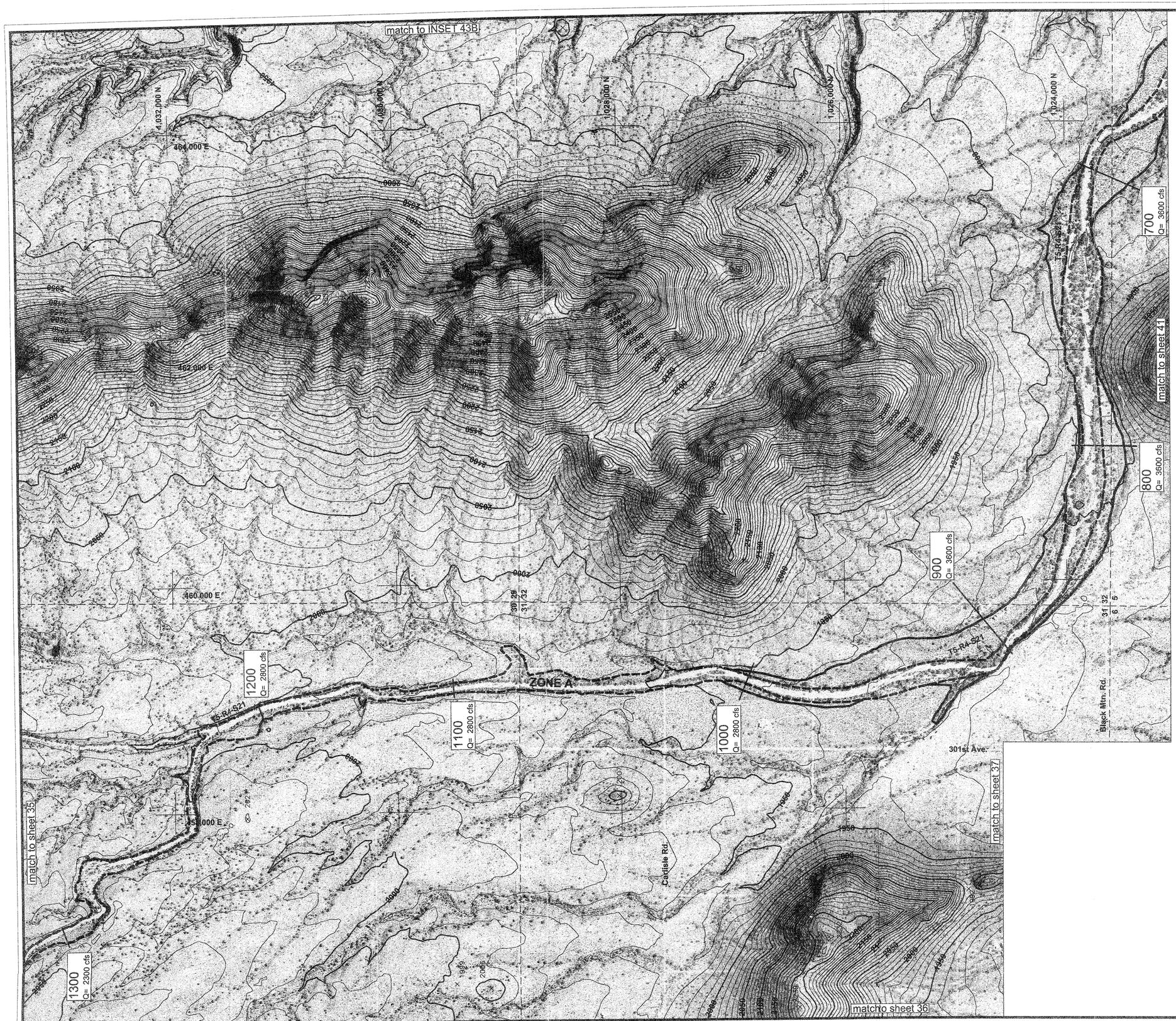
AERIAL PHOTOGRAPHY & TOPOGRAPHIC DATA PROVIDED TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY BY LANDATA AIBORNE SYSTEMS, IRVINE, CALIFORNIA, 2001. FLIGHT DATE: DECEMBER, 2000

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

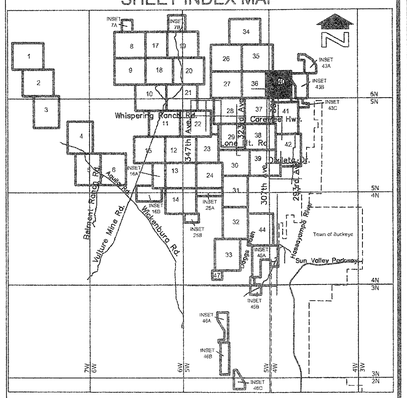
ELEVATION REFERENCE MARK — AJ3618

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 - 2.11

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 4-11-03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-731-2124

IN ASSOCIATION WITH

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

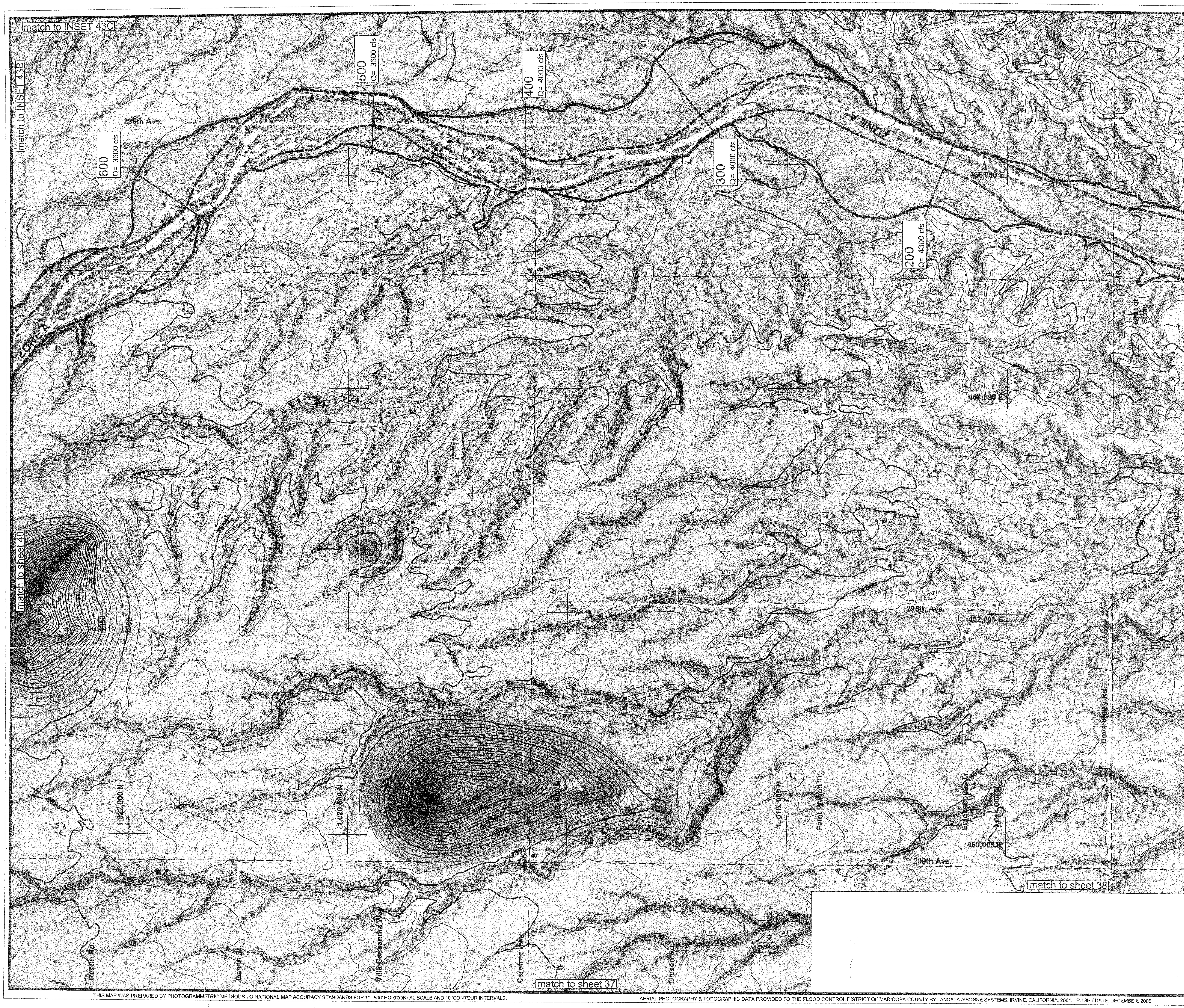
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480.994.2212

SHEET 40 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 DTRICT 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

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

LEGEND

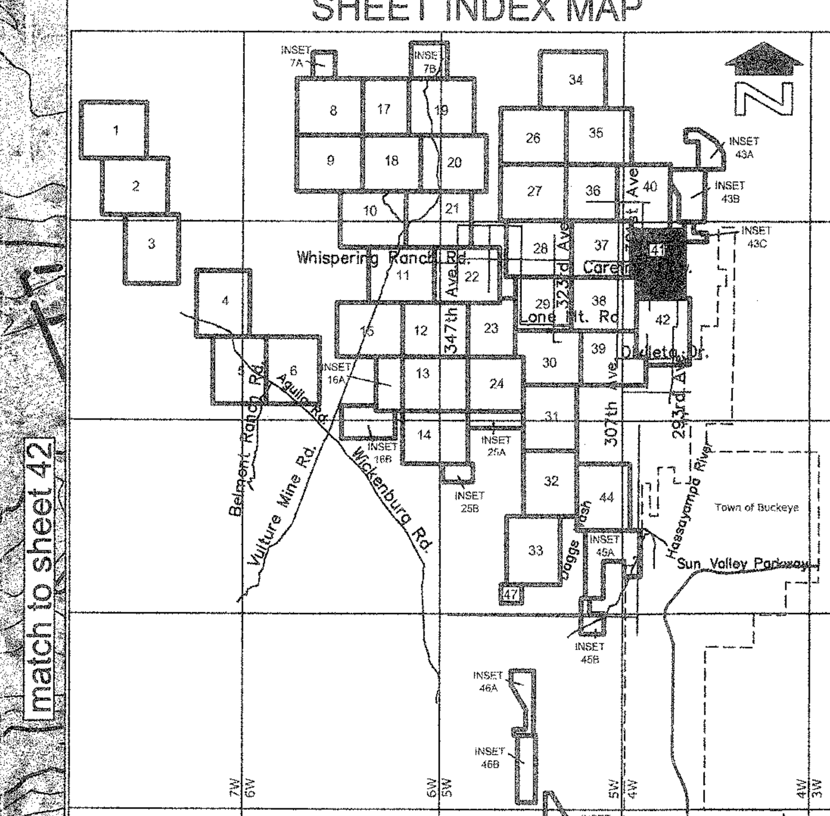
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 - 2.05

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

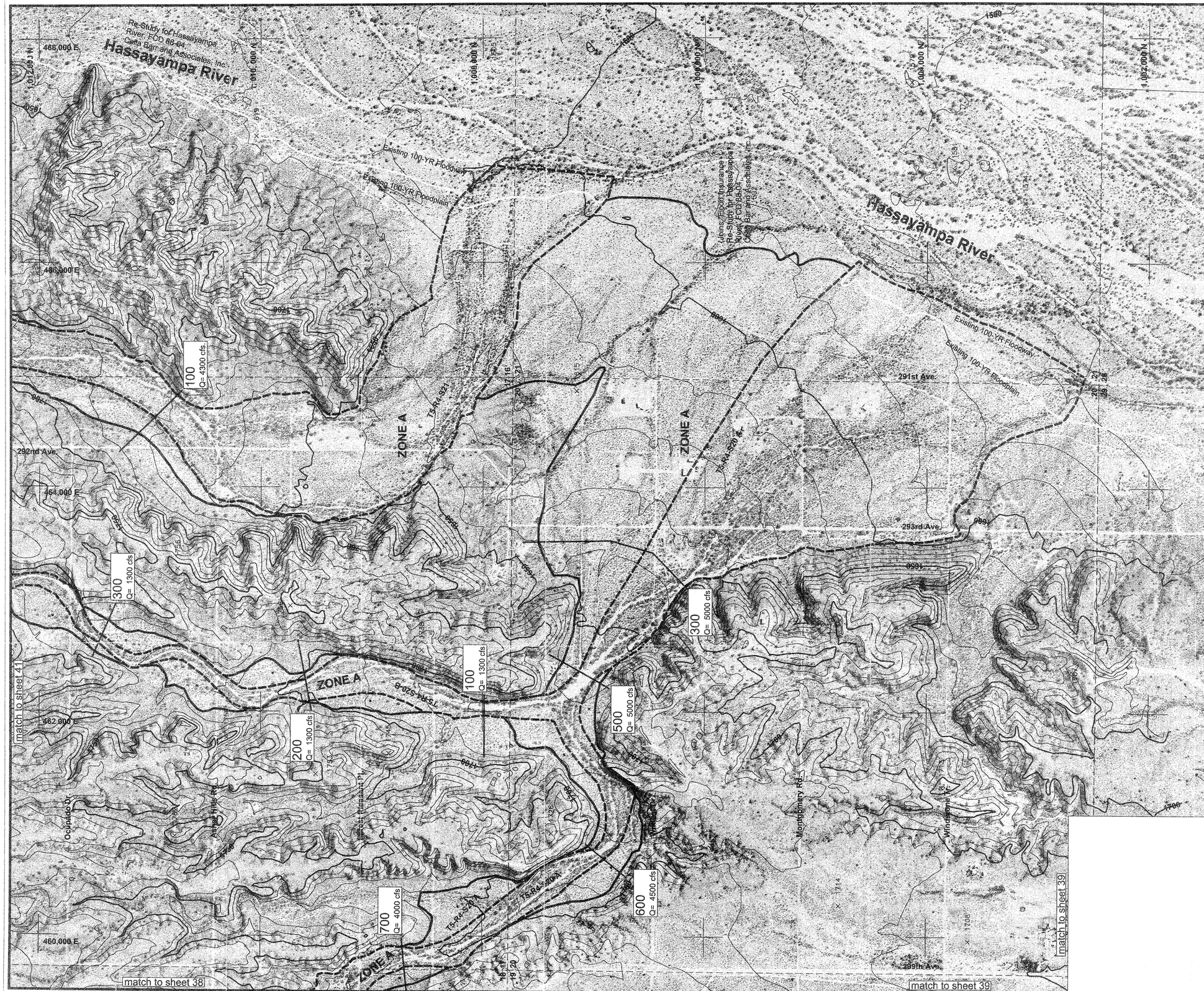
Registered Professional Engineer (Civil) Certificate No. 29325 BRIAN R. ISERMAN Date Signed 4-2-03 ARIZONA, U.S.A.

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

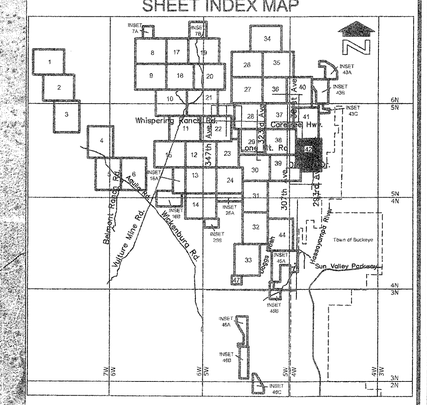
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 - 2.01

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 2-2-03 ARIZONA U.S.A.

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Hydrologists
Land Surveyors
(602) 335-8500

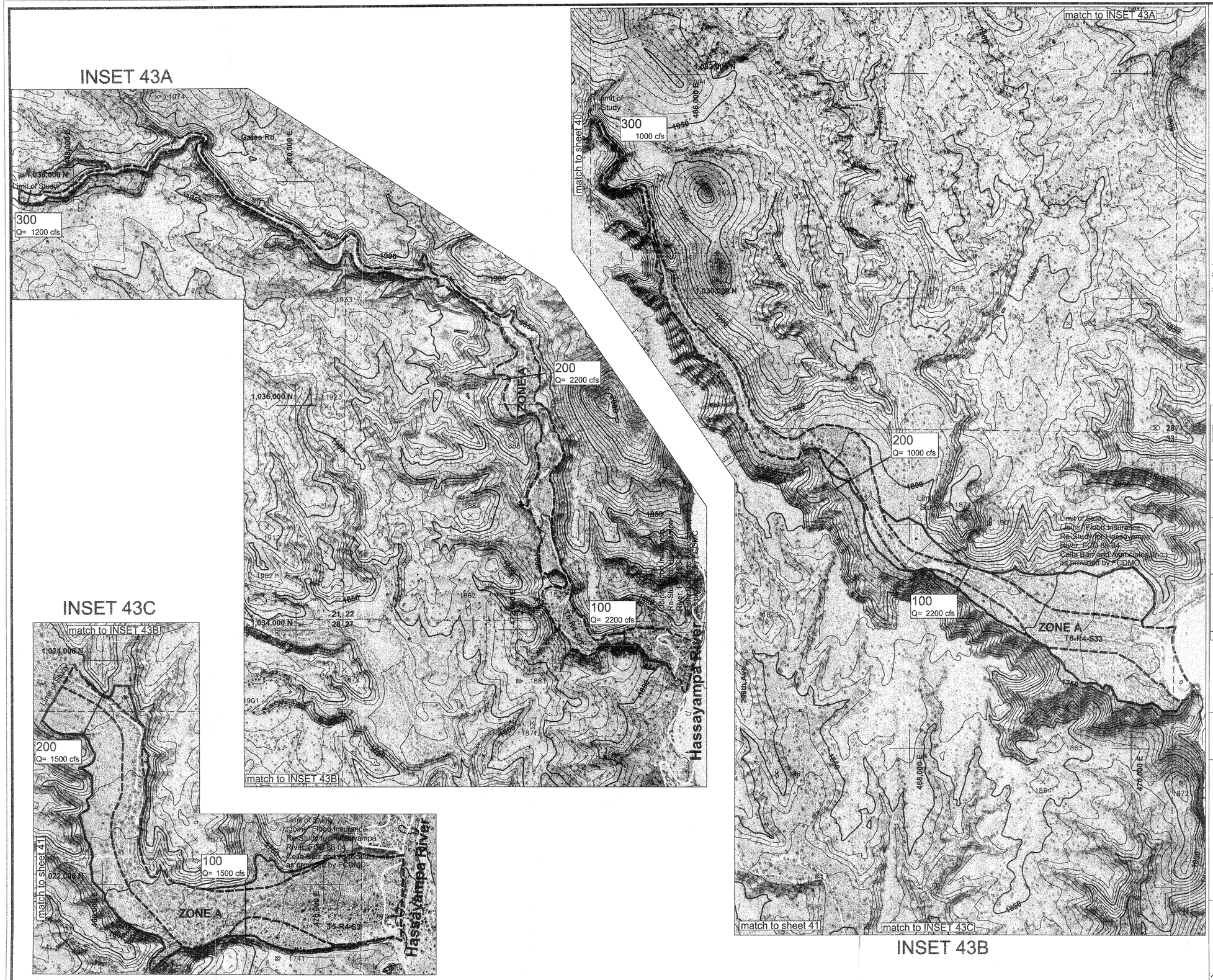
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-368-1111

SHEET 42 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

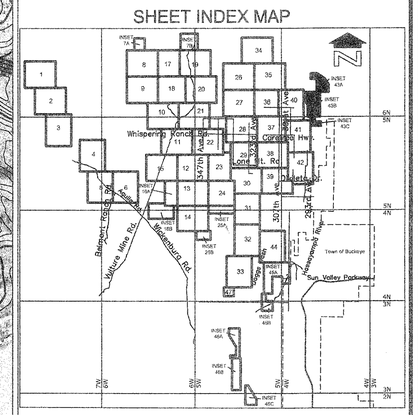
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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: 43A: NGVD 29 = NAVD 88 - 2.08
   43B: NGVD 29 = NAVD 88 - 2.07
   43C: NGVD 29 = NAVD 88 - 2.05

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 9-2-03
ARIZONA, U.S.A.

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-3124

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 480-396-1121

SHEET 43 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

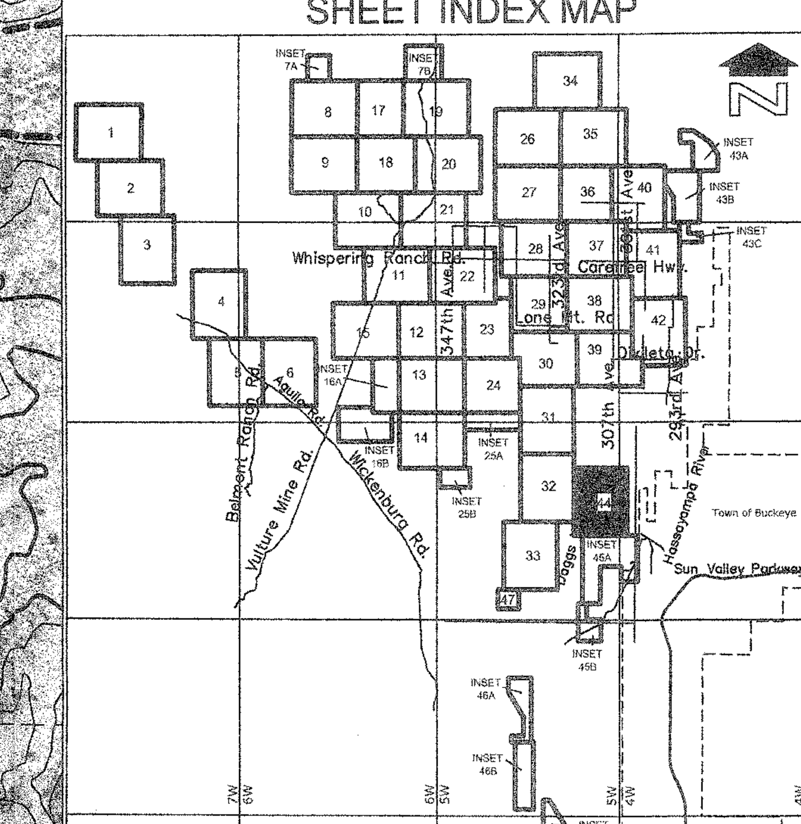
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 - 1.99

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

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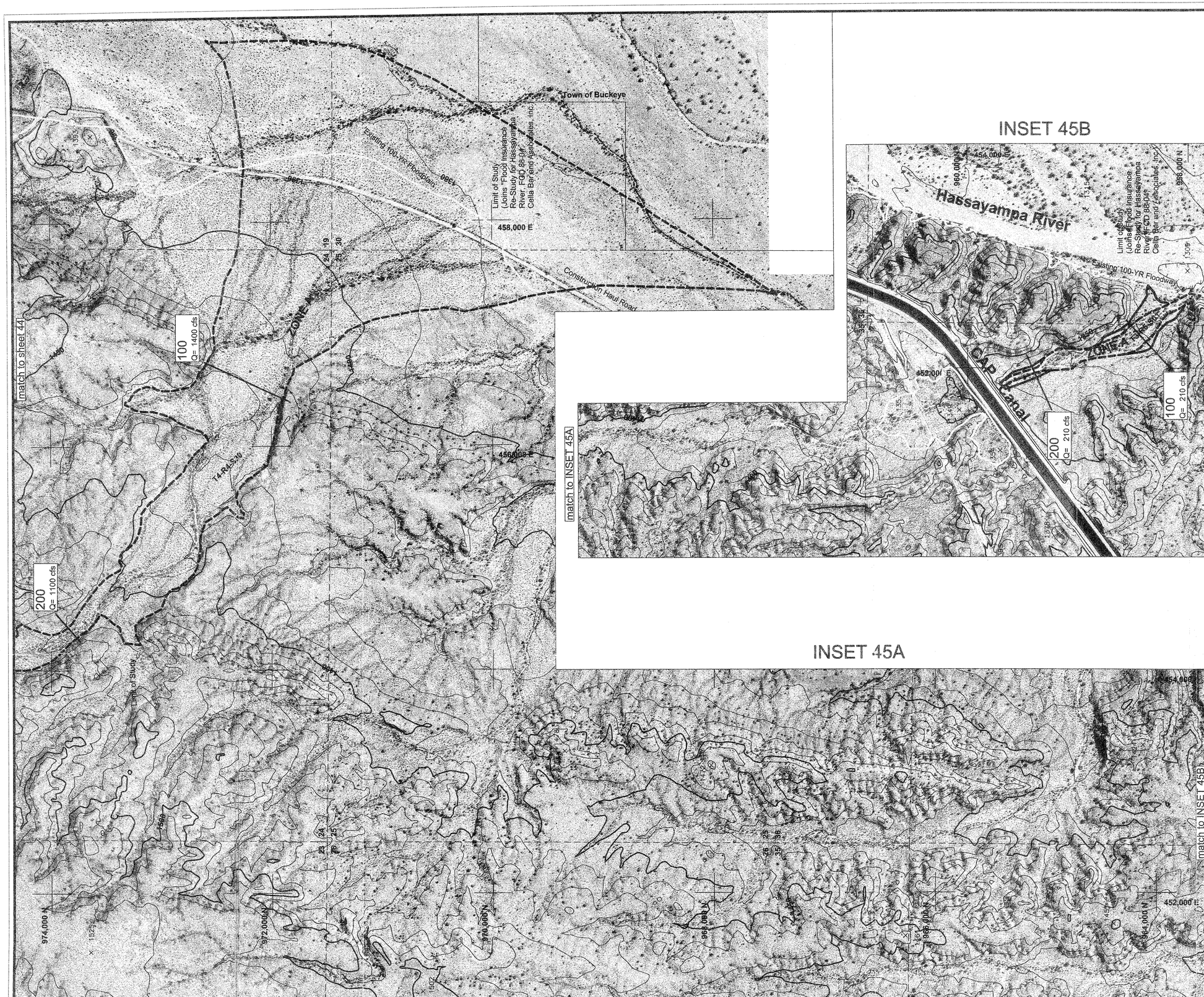
Hydrologists
Land Surveyors
(602) 335-8500

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

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

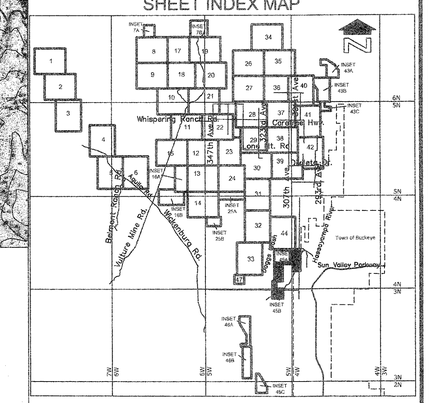
- 100-YR FLOODPLAIN BOUNDARY
- 100-YR ADMINISTRATIVE FLOODWAY
- 100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)
- 100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)
- SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)
- SECTION BOUNDARY
- CROSS SECTION — 800, Q= 4000 cfs
- ZONE DESIGNATION — 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: 45A: NGVD 29 = NAVD 88 - 1.98; 45B: NGVD 29 = NAVD 88 - 2.00

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 4/7/03 ARIZONA U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2134

IN ASSOCIATION WITH

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

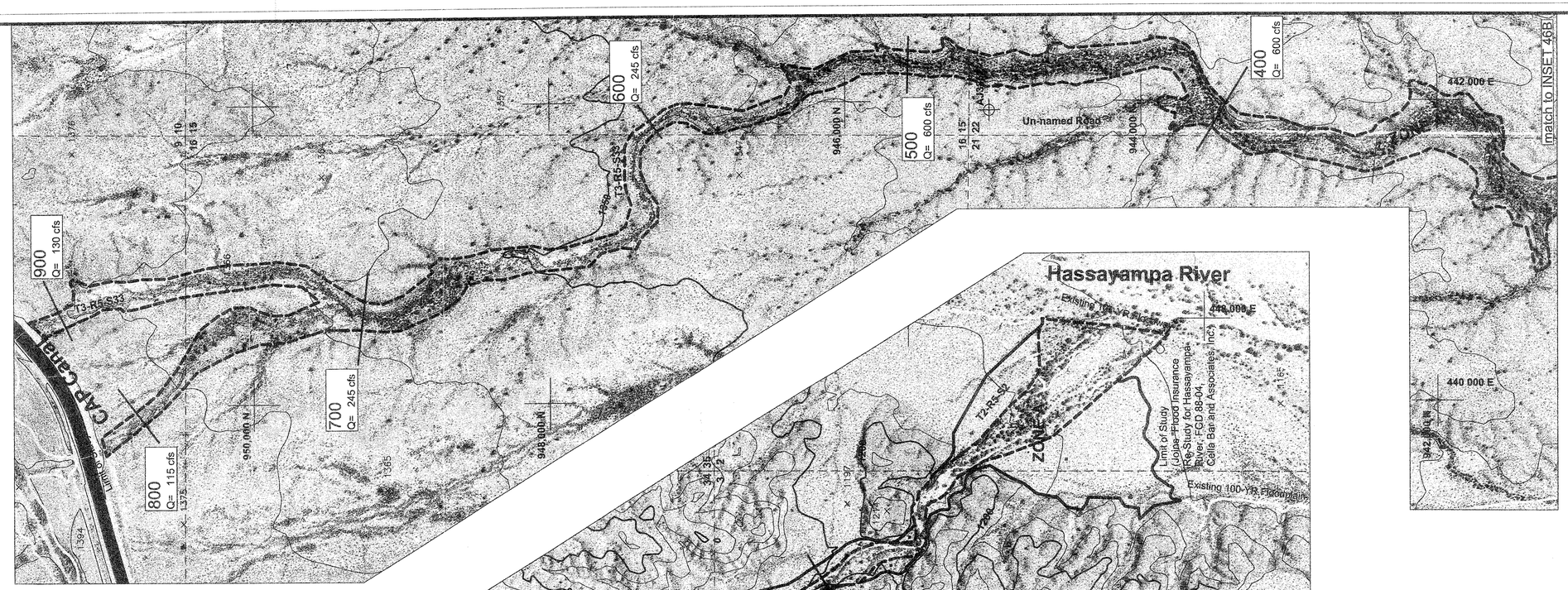
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-1155

SHEET 45 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

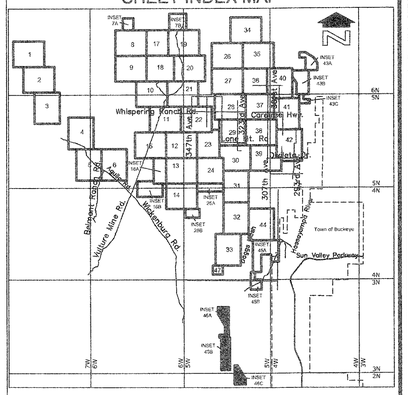
NOTES

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: 46A: NGVD 29 = NAVD 88 - 2.03
46B: NGVD 29 = NAVD 88 - 2.05
46C: NGVD 29 = NAVD 88 - 2.06

ELEVATION REFERENCE MARKS

NGS PID	Station Designation	NAD 83 Northing (feet)	NAD 83 Easting (feet)	NAVD 88 Elevation (feet)
AJ3852	4FJ2 (GDACS)	945034.88	441948.52	1337.18

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 3-27-03 ARIZONA, U.S.A.

JE FULLER ENGINEERING & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-750-2124

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Hydrologists
Land Surveyors
(602) 330-8500

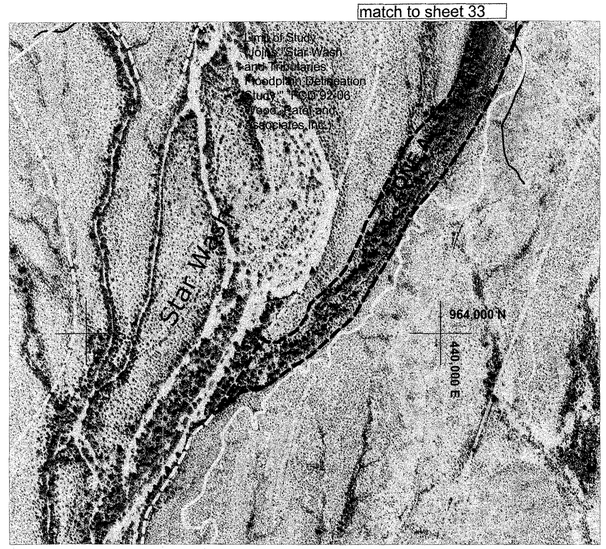
ARGUS CONSULTING
A CIVIL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-808-1131

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 33



LEGEND

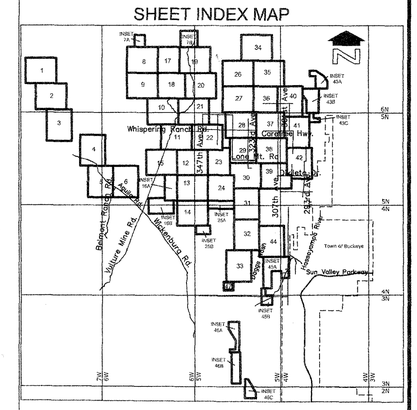
100-YR FLOODPLAIN BOUNDARY	
100-YR ADMINISTRATIVE FLOODWAY	
100-YR FLOODPLAIN BOUNDARY (EXISTING OR CONCURRENT STUDY)	
100-YR FLOODWAY (EXISTING OR CONCURRENT STUDY)	
SPECIAL PIEDMONT AREA BOUNDARY (SEE SECTION 6 OF THE TDN)	
SECTION BOUNDARY	
CROSS SECTION	800 Q= 4000 cfs
ZONE DESIGNATION	ZONE A
CORPORATE 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 4-3-03
ARIZONA U.S.A.

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
TEMPE, ARIZONA - 480-752-2101

IN ASSOCIATION WITH

WOOD/PATEL ASSOCIATES
Civil Engineers
Land Planners
Land Surveyors
(602) 335-8600

ARGUS CONSULTING
A JFUL ENGINEERING COMPANY, L.L.C.
Scottsdale, Arizona 480-596-0141

SHEET 47 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