BEFORE USING ANY

DATA IN THIS STUDY

PLEASE SEE EITHER

KATHRYN GROSS

TIM MURPHY

MIKE DUNCAN

THE AREA IS BEING RESTUDIED

Lynn Thomas - FCDX

From: Joe Tram - FCDX
Sent: Thursday, August 01, 2002 5:08 PM
To: Tim Murphy - FCDX; Regulatory - FCDX; Engineering - FCDX
Subject: RE: FCD 97-13 Rio Verde South Extension Study

It is my understanding that all the floodplains are equal to floodways for these delineations. As such, no structure should be allowed within the floodplain. If a finished floor needs to be established adjoining the floodplain it would require the applicant to come off a known GDACS Benchmark, determine an elevation where the floodplain intercepts a perpendicular cross section upstream of the site building site, establish that as the water surface elevation, and then set the finished floor accordingly.

THANKS for catching and addressing this issue John and Tim....

-----Original Message-----
From: Tim Murphy - FCDX
Sent: Thursday, August 01, 2002 4:46 PM
To: Regulatory - FCDX; Engineering - FCDX
Subject: FCD 97-13 Rio Verde South Extension Study

A mistake was made in the survey that was used to control the topographic mapping. This mistake has caused the elevation information to be incorrect. Because of this you shouldn't be giving out any elevation information from this study. The consultant for this study is having the mapping control and mapping redone. Please make sure that the study drawings and FIRM panels reflect that the elevations in the area of this study are wrong.

Tim Murphy

My telephone number is
602-506-4605

Lynn Thomas - FCDX

From: Tim Murphy - FCDX
Sent: Thursday, August 01, 2002 4:46 PM
To: Regulatory - FCDX; Engineering - FCDX
Subject: FCD 97-13 Rio Verde South Extension Study

A mistake was made in the survey that was used to control the topographic mapping. This mistake has caused the elevation information to be incorrect. Because of this you shouldn't be giving out any elevation information from this study. The consultant for this study is having the mapping control and mapping redone. Please make sure that the study drawings and FIRM panels reflect that the elevations in the area of this study are wrong.

Tim Murphy

My telephone number is
602-506-4605

From: Kathryn Gross - FCDX
Sent: Monday, May 19, 2008 3:29 PM
To: FMS - FCDX; PPM - FCDX
Cc: William Haas - PLANDEVX; Bill Poppe - PLANDEVX; Pete Martinez - PLANDEVX; Kevin LaVallee - PWX
Subject: Rio Verde ADMP floodplains

FEMA has issued a Best Available Data letter dated May 13, 2008 for the floodplains performed under the Rio Verde Area Drainage Master Plan.

This does not change the official FEMA FIRM panels at this time. The FIRM maps will be updated when the next countywide revision occurs.

The delineations are presently on rain_usgs and shown on the District's and Assessor's websites. We have been managing to these delineations and should continue managing using the ADMP delineations.

If you have any questions please feel free to contact me.

Kathryn Gross, CFM M.A.
Senior Hydrologist
Flood Control District of Maricopa County
2801 W. Durango St. Phoenix, AZ 85009
(602) 506-4837
kag@mail.maricopa.gov

Federal Emergency Management Agency

Washington, D.C. 20472

MAY 13 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

IN REPLY REFER TO:
Case No.: 08-09-0710P

The Honorable Fulton Brock
Chairman, Maricopa County
Board of Supervisors
301 West Jefferson Street, 10th Floor
Phoenix, AZ 85003

Community: Maricopa County, AZ
Community No.: 040037

Dear Mr. Brock:

This is in regard to a Letter of Map Revision (LOMR) request dated February 27, 2008, from Ms. Kathryn Gross, CFM, Flood Control District of Maricopa County, that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) evaluate the effects that updated flood hazard data as a result of up-to-date hydrologic, hydraulic, and topographic information for numerous washes in north-central Maricopa County (referred to as the Rio Verde Area Drainage Master Plan) would have on the flood hazard information shown on the effective Flood Insurance Rate Map (FIRM) for Maricopa County, Arizona and Incorporated Areas. This LOMR request has been assigned Case No. 08-09-0710P. This letter identifies the submitted data as the best available flood hazard information, which is intended to improve upon that shown on the effective FIRM.

We reviewed the data submitted in the application package, with appendixes, entitled "Rio Verde Area Drainage Master Plan Floodplain Delineation FCD 2001C056," prepared by the Flood Control District of Maricopa County and Dibble Engineering, dated December 2007. We have determined that the submitted data meet the minimum floodplain management criteria of the National Flood Insurance Program (NFIP), but FEMA cannot issue a LOMR or Physical Map Revision at this time.

In accordance with Paragraph 60.3(b)(4) of the NFIP regulations (copy enclosed), we encourage your community to make reasonable use of the draft work maps entitled "Rio Verde ADMP 1-Dimensional Floodplain Delineation, Sheets 1 to 22," prepared by Dibble Engineering, dated December 6, 2007, and the draft work maps entitled "Rio Verde ADMP 2-Dimensional Floodplain Delineation, Sheets 1 to 36 and Peak Discharge Sheet," prepared by the Flood Control District of Maricopa County, dated December 18, 2007, as the best available data for floodplain management purposes until such time as FEMA can physically revise the FIRM or issue a LOMR.

This letter is based on minimum floodplain management criteria established under the NFIP. Your community is responsible for approving all floodplain development and for ensuring that all necessary permits required by Federal or State law have been received. State, county, and community officials, based on their knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area, the area subject to inundation by the base (1-percent-annual-chance) flood. If the State, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these take precedence over the minimum NFIP criteria.

If you have any questions regarding floodplain management regulations for your community or the NFIP in general, please contact the Consultation Coordination Officer (CCO) for your community. Information on

the CCO for your community may be obtained by calling the Director, Mitigation Division of the FEMA Region IX Office in Oakland, California, at (510) 627-7175. If you have questions regarding this letter, please call the FEMA Map Assistance Center, toll free, at 1-877-FEMA MAP (1-877-336-2627).

Sincerely,

Craig S. Kennedy, CFM, Program Specialist
Engineering Management Branch
Mitigation Directorate

For: William R. Blanton Jr., CFM, Chief
Engineering Management Branch
Mitigation Directorate

Enclosure

cc: The Honorable Mary Manross
Mayor, City of Scottsdale

Mr. Timothy S. Phillips, P.E.
Chief Engineer and General Manager
Flood Control District of Maricopa County

Ms. Kathryn Gross, CFM
Flood Control District of Maricopa County

Mr. Thomas R. Loomis, P.E., CFM
Flood Control District of Maricopa County

Mr. Ted Collins, CFM
Principal Floodplain Coordinator
Flood Control District of Maricopa County

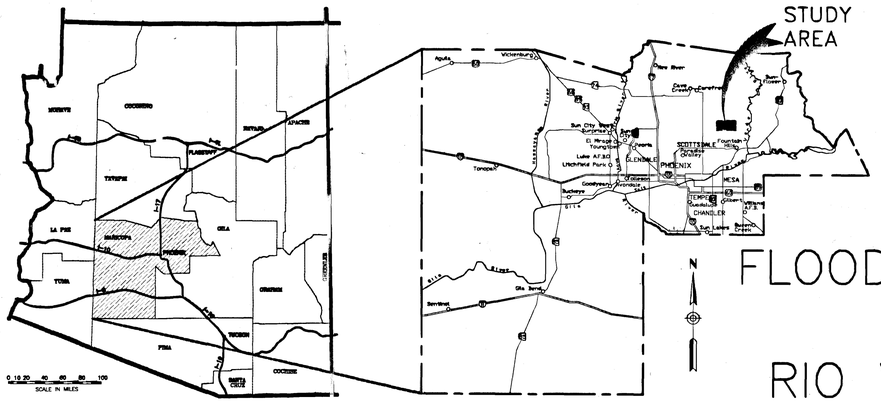
Ms. Lynn M. Thomas, P.E., CFM
Technical Supervisor
Flood Control District of Maricopa County

Mr. Bill Erickson
Floodplain Administrator
City of Scottsdale

Mr. Brian Cosson, CFM
NFIP Coordinator
Office of Dam Safety and Flood Mitigation
Arizona Department of Water Resources

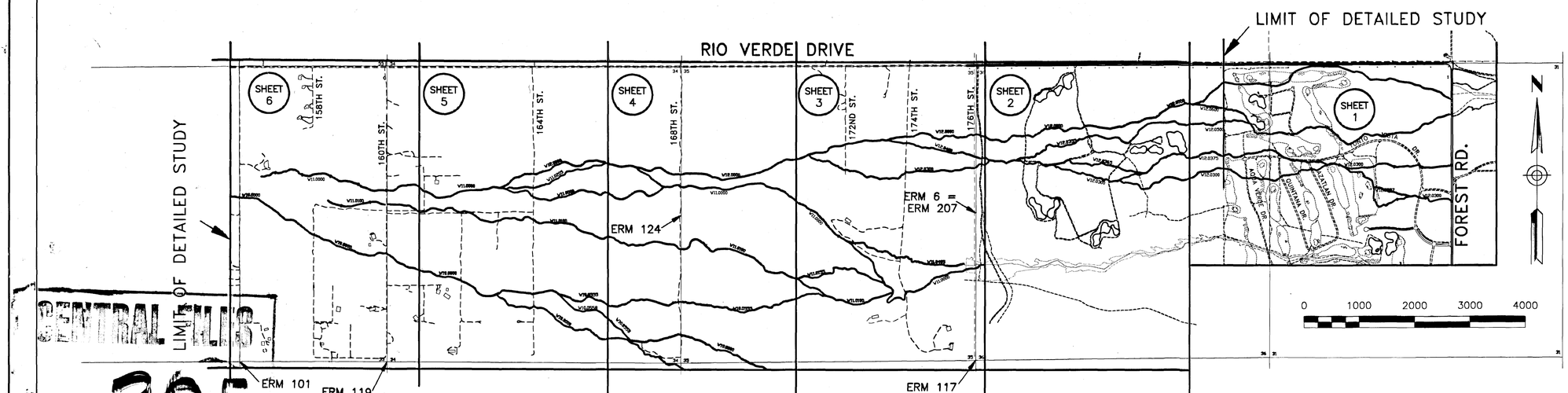
Mr. Brian Fry, P.E.
Dibble Engineering

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY



FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13



CENTRAL FILES
FILE # 305

RIO VERDE SOUTH EXTENTION
STUDY MAP MYLARS(THREE
TYPES OF MYLARS) FCD97-13
318 273
MWD

LEGEND

HYDRAULIC BASE LINE

SHEET 12 — SHEET LABEL

NOTES

1. ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929
2. ALL HORIZONTAL COORDINATES USE ARIZONA STATE PLANE COORDINATES BASED ON THE 1983 NORTH AMERICAN DATUM
3. ALL FLOW RATES ARE IN CUBIC FEET PER SECOND.
4. ALSO SEE FCD CONTRACT NO. 93-07, RIO VERDE SOUTH FLOODPLAIN DELINEATION, PREPARED IN SEPTEMBER 1996.

STATEMENTS OF PROFESSIONAL REGISTRANTS

THE GROUND CONTROL SURVEY FOR SHEETS 3 THROUGH 6 WAS PREPARED UNDER MY DIRECT SUPERVISION.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14172 LOUIS P. DePRISCO Date Signed 5-25-99 ARIZONA U.S.A.

THIS IS TO CERTIFY THAT THIS DOCUMENT WAS PREPARED UNDER MY SUPERVISION UTILIZING FIELD CONTROL PROVIDED BY LOUIS De PRISCO, AND THAT THIS DOCUMENT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICES ONLY. AERIAL MAPPING COMPANY, INC., MAKES NO WARRANTIES TO THIRD PARTIES.

THE FLOODPLAIN DELINEATION WAS PREPARED UNDER MY DIRECT SUPERVISION, USING HYDROLOGY FROM FCD 93-07.

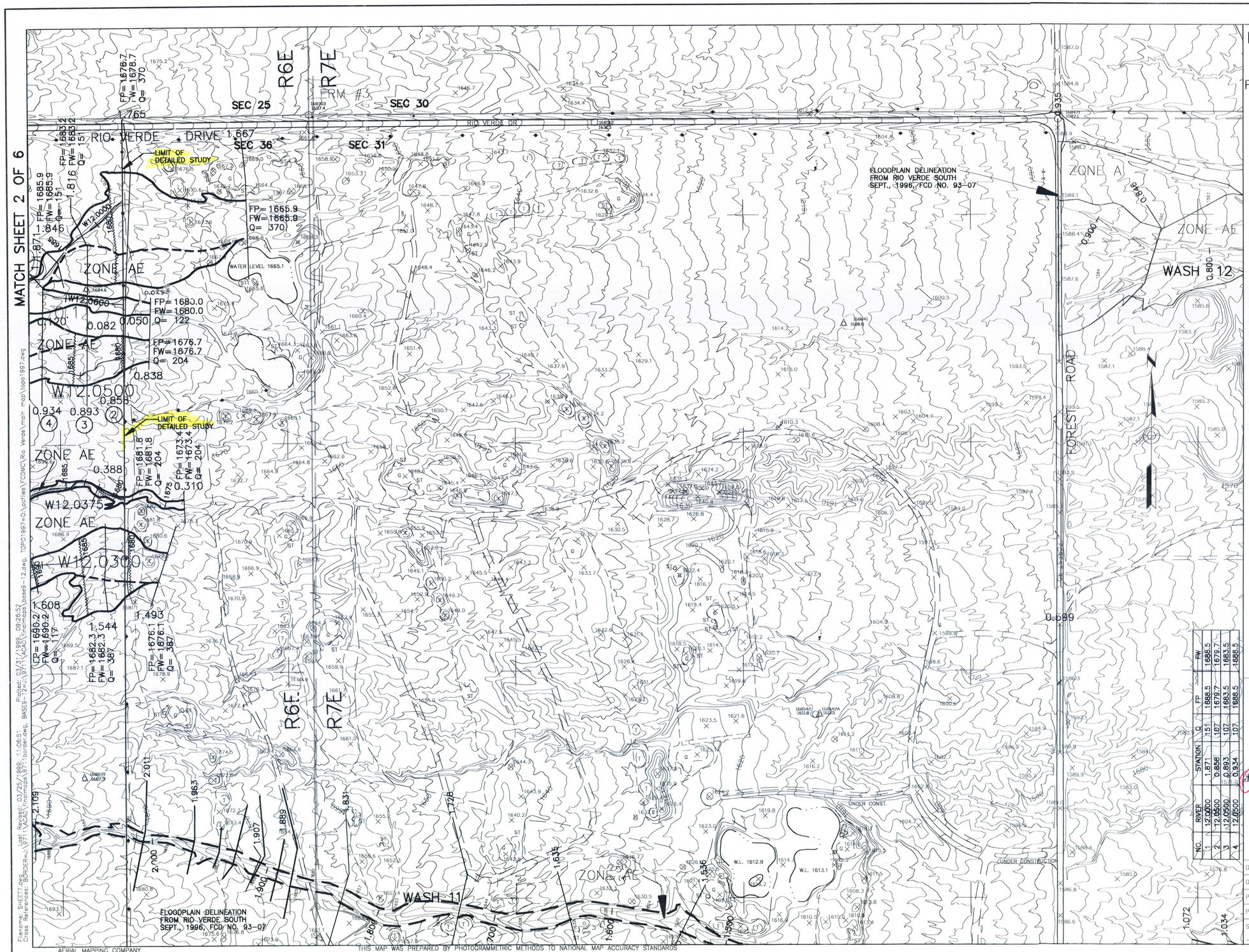
Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN Date Signed 5-24-99 ARIZONA U.S.A.

FLOWN BY:
AERIAL MAPPING COMPANY, INC.
FLIGHT DATES 12-22-93 & 10-18-97

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
in association with
DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE	
DESIGN	BRI	5-99	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	JEF	5-99	RECOMMENDED BY: DATE
PLANS	AFS	5-99	APPROVED BY: DATE
PLANS CHK.	BRI	5-99	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY: DATE:			SHEET COVER SHEET

Filename: sh01covr.dwg Last Revised: 05/24/1999, 14:17:48 Plotted: 05/24/1999, 14:22:40
Cross References: 9711PSH2=J:\9711\ACAD\finalmaps\9711PSH2.DWG, KEYMAP=J:\9711\ACAD\finalmaps\KEYMAP.dwg



NO.	RIVER	STATION	Q	FP	FW
1	12.0000	1.871	151	1688.5	1688.5
2	12.0500	0.856	167	1679.7	1679.7
3	12.0500	0.893	107	1683.5	1683.5
4	12.0500	0.934	107	1688.5	1688.5

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — 5.519 — FP=100 Yr WSEL, FW=Floodway WSEL, Q=100 Yr Flow
- ELEVATION REFERENCE MARK — O OR & OR ☒ — ERM #2
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- ROADS
- SECTION LINE

ELEVATION REFERENCE MARKS

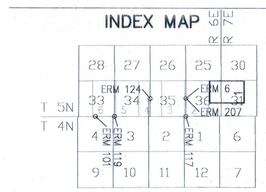
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 207	1793.91	GLO BRASS CAP, E. 1/4 COR. OF SEC. 35, T5N, R6E
ERM 6	1793.98	BLM BRASS CAP, W. 1/4 COR. OF SEC. 36, T5N, R6E (THIS INFORMATION TAKEN FROM F.C.D. CONTRACT NO. 93-07)

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



200' 0' 400'

SCALE: 1" = 200'

BRIAN R. ISERMAN 25325 Date Signed 5-6-99

Brian R. Iserman

OK Denotes corrections made May 2000. Brian R. Iserman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

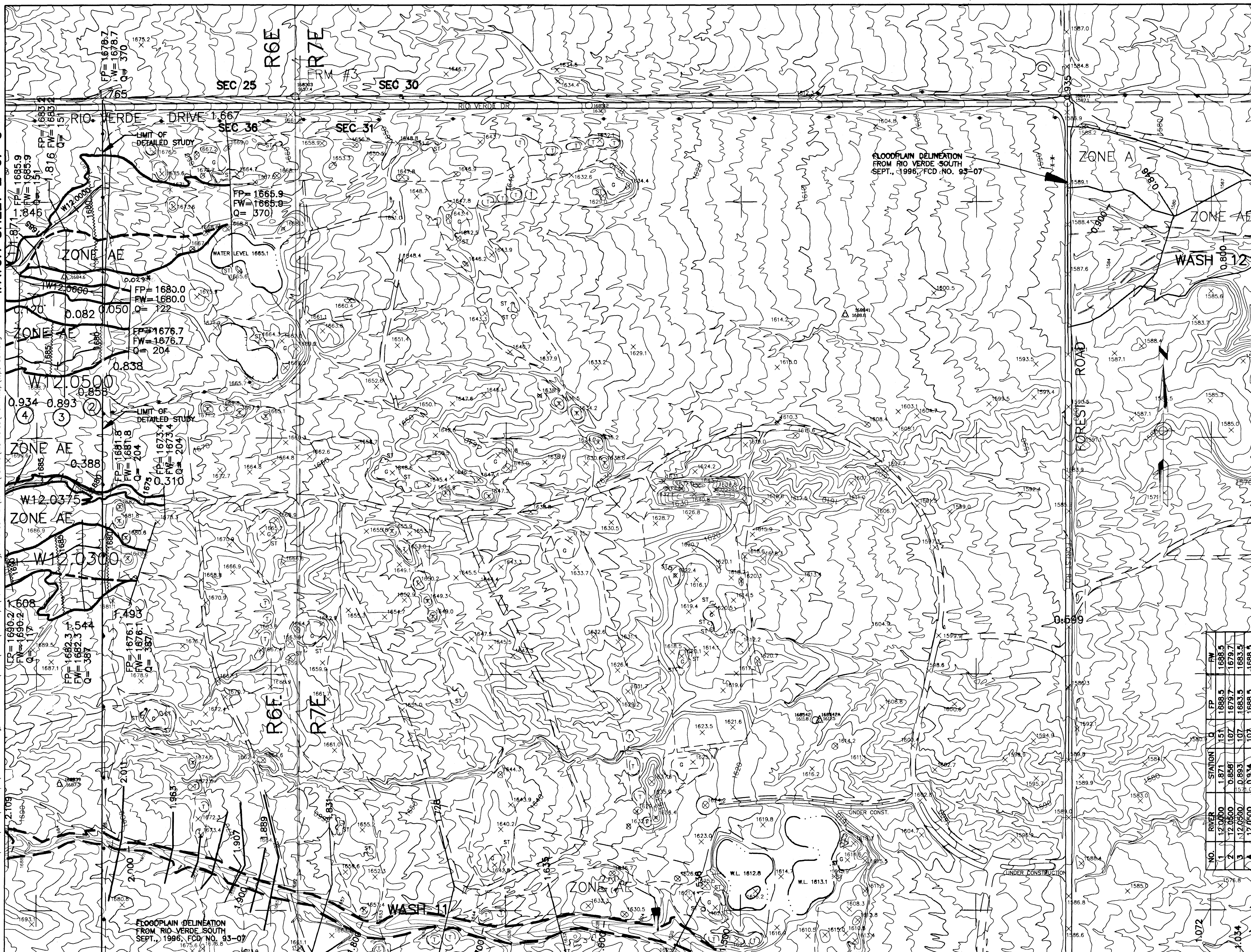
SHEET 1 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATES: 12-22-1993 & 8-22-1994

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA
PROVIDED BY BURGESS & NIPLE, INC. AND ALCOCER SURVEYING.

Filename: SHEET7.dwg Last Revised: 05/25/1999, 12:29:46 Plotted: 05/25/1999, 13:56:53
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg

Filename: SHEET7.dwg Last Revised: 03/25/1999, 11:06:51 Plotted: 03/31/1999, 09:26:52
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=D:\acfiles\FCDMC\Rio Verde\main map\topo1997.dwg



NO.	RIVER	STATION	Q	FP	FW
1	12.0000	1.871	151	1688.5	1688.5
2	12.0500	0.858	107	1679.7	1679.7
3	12.0500	0.893	107	1683.5	1683.5
4	12.0500	0.934	107	1688.5	1688.5

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATES: 12-22-1993 & 8-22-1994

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA
PROVIDED BY BURGESS & NIPLE, INC. AND ALCOCER SURVEYING.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	5.519 FP=100 Yr WSEL FW=Floodway WSEL Q=100 Yr Flow
ELEVATION REFERENCE MARK	○ OR ▲ OR ☒ ERM #2
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
ROADS	
SECTION LINE	

ELEVATION REFERENCE MARKS

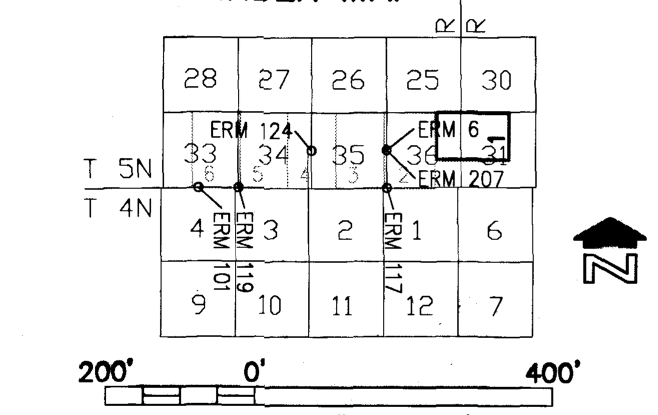
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 207	1793.91	GLO BRASS CAP, E. 1/4 COR. OF SEC. 35, T5N, R6E
ERM 6	1793.98	BLM BRASS CAP, W. 1/4 COR. OF SEC. 36, T5N, R6E (THIS INFORMATION TAKEN FROM F.C.D. CONTRACT NO. 93-07)

NOTES

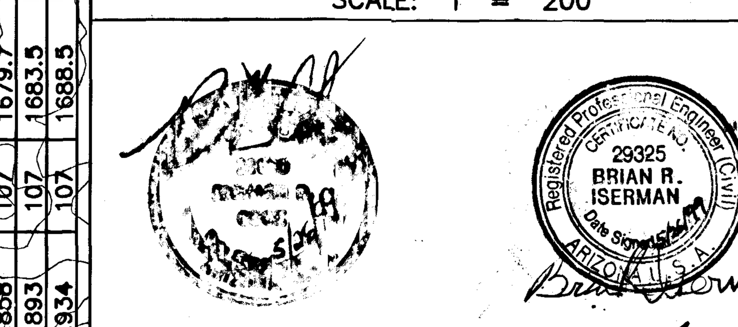
1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



200' 0' 400'

SCALE: 1" = 200'



* Denotes corrections made May-2000: Brian R. Iserman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

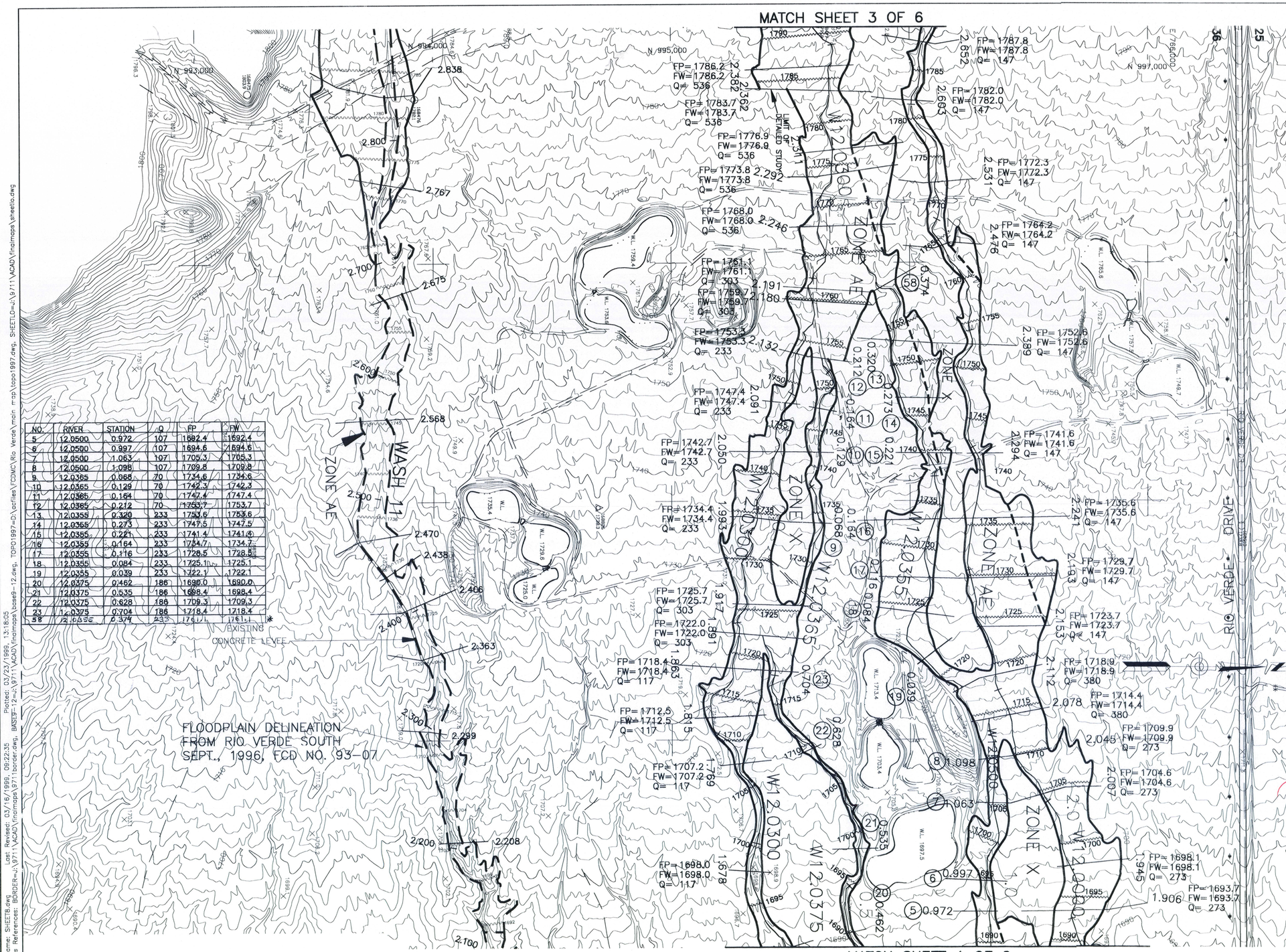
in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN	BRI	5-99	RECOMMENDED BY: DATE
DESIGN CHK.	JEF	5-99	APPROVED BY: DATE
PLANS	AFS	5-99	CHIEF ENGINEER AND GENERAL MANAGER
PLANS CHK.	BRI	5-99	SHEET 1 OF 6
SUBMITTED BY: DATE:			

Filename: SHEET7.dwg Last Revised: 05/25/1999, 12:29:46 Plotted: 05/25/1999, 13:56:53
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg

Filename: SHEET7.dwg Last Revised: 03/25/1999, 11:06:51 Plotted: 03/31/1999, 09:26:52
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=D:\acfiles\FCDMC\Rio Verde\main map\topo1997.dwg



NO.	RIVER	STATION	Q	FP	FW
5	12.0500	0.972	107	1692.4	1692.4
6	12.0500	0.997	107	1694.6	1694.6
7	12.0500	1.063	107	1705.3	1705.3
8	12.0500	1.098	107	1709.8	1709.8
9	12.0365	0.068	70	1734.6	1734.6
10	12.0365	0.129	70	1742.3	1742.3
11	12.0365	0.164	70	1747.4	1747.4
12	12.0365	0.212	70	1753.7	1753.7
13	12.0355	0.320	233	1753.6	1753.6
14	12.0355	0.273	233	1747.5	1747.5
15	12.0355	0.221	233	1741.4	1741.4
16	12.0355	0.164	233	1734.7	1734.7
17	12.0355	0.116	233	1728.5	1728.5
18	12.0355	0.084	233	1725.1	1725.1
19	12.0355	0.039	233	1722.1	1722.1
20	12.0375	0.462	186	1690.0	1690.0
21	12.0375	0.535	186	1698.4	1698.4
22	12.0375	0.628	186	1709.3	1709.3
23	12.0375	0.704	186	1718.4	1718.4
58	12.0355	0.374	233	1761.1	1761.1 *

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

100-YR FLOODPLAIN BOUNDARY
FLOODWAY BOUNDARY
HYDRAULIC BASE LINE & RIVER MILE — 2.0
CROSS SECTION — 5.59 — FP=100 Yr WSEL, FW=Floodway WSEL, Q=100 Yr Flow
ELEVATION REFERENCE MARK — O OR Δ OR ☒ — ERM #2
BASE FLOOD ELEVATIONS — 1221
ZONE DESIGNATIONS — ZONE AE
ROADS
SECTION LINE

ELEVATION REFERENCE MARKS

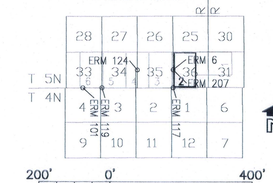
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 6	1793.98	BLM BRASS CAP, W. 1/4 COR. OF SEC. 36, T5N, R6E (THIS INFORMATION TAKEN FROM F.C.D. CONTRACT NO. 93-07)

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



200' 0' 400'

SCALE: 1" = 200'

* Denotes corrections made May-2000: Brian R. Iserman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

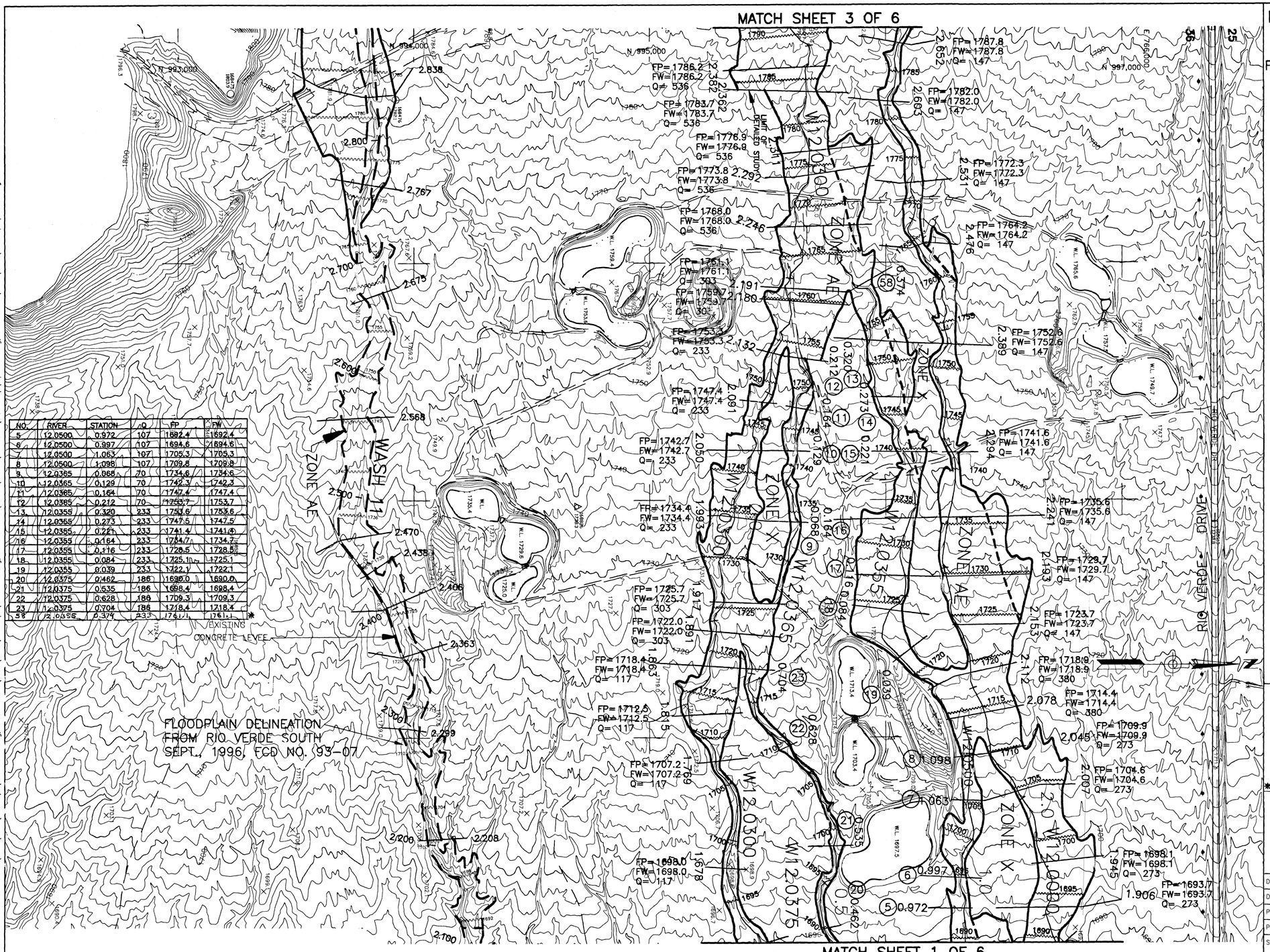
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 12-22-1993

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY BURGESS & NIPLE, INC. AND ALCOCER SURVEYING.

Filename: SHEET8.dwg Last Revised: 03/16/1999, 09:22:35 Plotted: 03/23/1999, 13:18:05
Cross References: BORDER=J:\97-11\ACAD\finalmaps\base9-12.dwg, TOPO1997=D:\ecfiles\FCDMC\Rio Verde\main m-ra\topo1997.dwg, SHEETLOW=J:\97-11\ACAD\finalmaps\sheetlo.dwg, BASEST=T2=J:\97-11\ACAD\finalmaps\base9-12.dwg, BORDER=J:\97-11\ACAD\finalmaps\97-11border.dwg



NO.	RIVER	STATION	Q	FP	FW
5	12.0500	0.972	107	1692.4	1692.4
6	12.0500	0.997	107	1694.6	1694.6
7	12.0500	1.063	107	1705.3	1705.3
8	12.0500	1.098	107	1709.8	1709.8
9	12.0365	0.068	70	1734.6	1734.6
10	12.0365	0.129	70	1742.3	1742.3
11	12.0365	0.164	70	1747.4	1747.4
12	12.0365	0.212	70	1753.7	1753.7
13	12.0355	0.320	233	1753.6	1753.6
14	12.0355	0.273	233	1747.5	1747.5
15	12.0355	0.221	233	1741.4	1741.4
16	12.0355	0.164	233	1734.7	1734.7
17	12.0355	0.116	233	1728.5	1728.5
18	12.0355	0.084	233	1725.1	1725.1
19	12.0355	0.039	233	1722.1	1722.1
20	12.0375	0.462	186	1690.0	1690.0
21	12.0375	0.535	186	1698.4	1698.4
22	12.0375	0.628	186	1709.3	1709.3
23	12.0375	0.704	186	1718.4	1718.4
58	12.0355	0.374	233	1761.1	1761.1 *

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — 5.519 — FP=100 Yr WSEL, FW=Floodway WSEL, Q=100 Yr Flow
- ELEVATION REFERENCE MARK — ○ OR △ OR ⊠ — ERM #2
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- ROADS
- SECTION LINE

ELEVATION REFERENCE MARKS

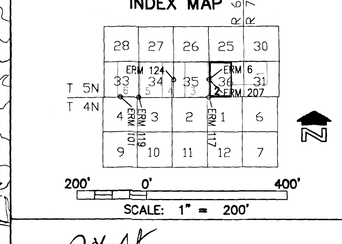
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 6	1793.98	BLM BRASS CAP, W. 1/4 COR. OF SEC. 36, T5N, R6E (THIS INFORMATION TAKEN FROM F.C.D. CONTRACT NO. 93-07)

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



* Denotes corrections made May-2000: Brian R. Iserman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

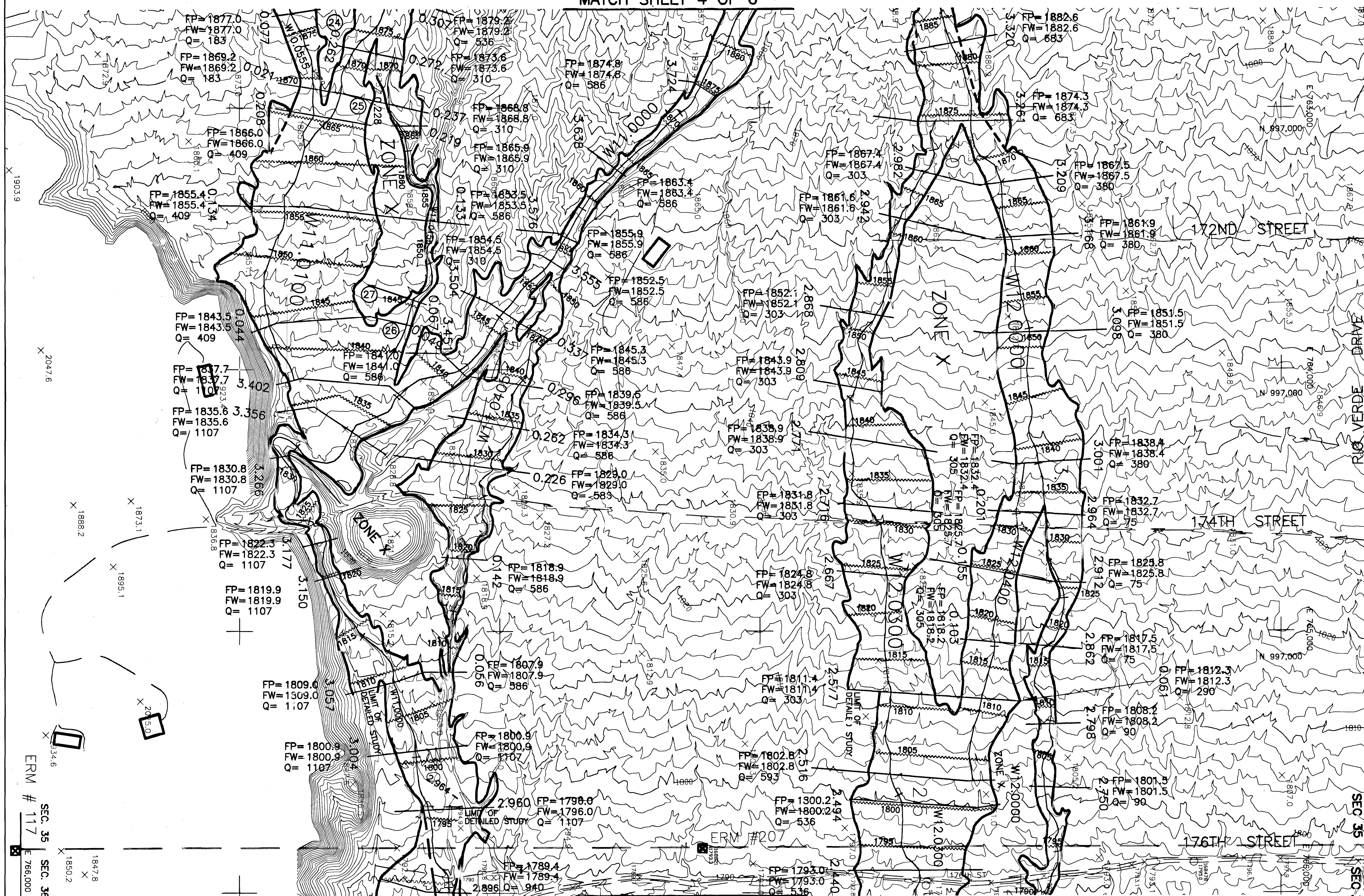
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 12-22-1993

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY BURGESS & NIPLE, INC. AND ALCOCER SURVEYING.

Filename: SHEET8.dwg Last Revised: 03/16/1999, 09:22:35 Plotted: 03/23/1999, 13:18:05
Cross References: BORDER=J:\9711\ACAD\fmdlmaps\9711border.dwg, BASEF=12=J:\9711\ACAD\fmdlmaps\base9-12.dwg, TOPO1997=D:\actlies\FCDMC\Rio Verde\main map\topo1997.dwg, SHEETLO=J:\9711\ACAD\fmdlmaps\sheetlo.dwg



MATCH SHEET 2 OF 6

NO.	RIVER	STATION	Q	FP	FW
24	11.0100	0.262	226	1873.7	1873.7
25	11.0100	0.228	226	1868.5	1868.5
26	11.0155	0.049	310	1843.4	1843.4
27	11.0155	0.067	310	1846.0	1846.0

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	5.519 FP=100 Yr WSEL FW=Floodway WSEL Q=100 Yr Flow
ELEVATION REFERENCE MARK	○ OR △ OR ☒ ERM #2
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
ROADS	
SECTION LINE	

ELEVATION REFERENCE MARKS

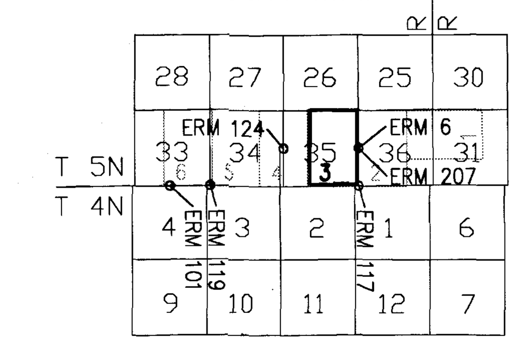
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 207	1793.91	GLO BRASS CAP, E. 1/4 COR. OF SEC. 35, T5N, R6E
ERM 6	1793.98	BLM BRASS CAP, W. 1/4 COR. OF SEC. 36, T5N, R6E (THIS INFORMATION TAKEN FROM F.C.D. CONTRACT NO. 93-07)

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



200' 0' 400'

SCALE: 1" = 200'

Registered Professional Engineer (Civil) CERTIFICATE NO. 29325 BRIAN R. ISERMAN ARIZONA, U.S.A.

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

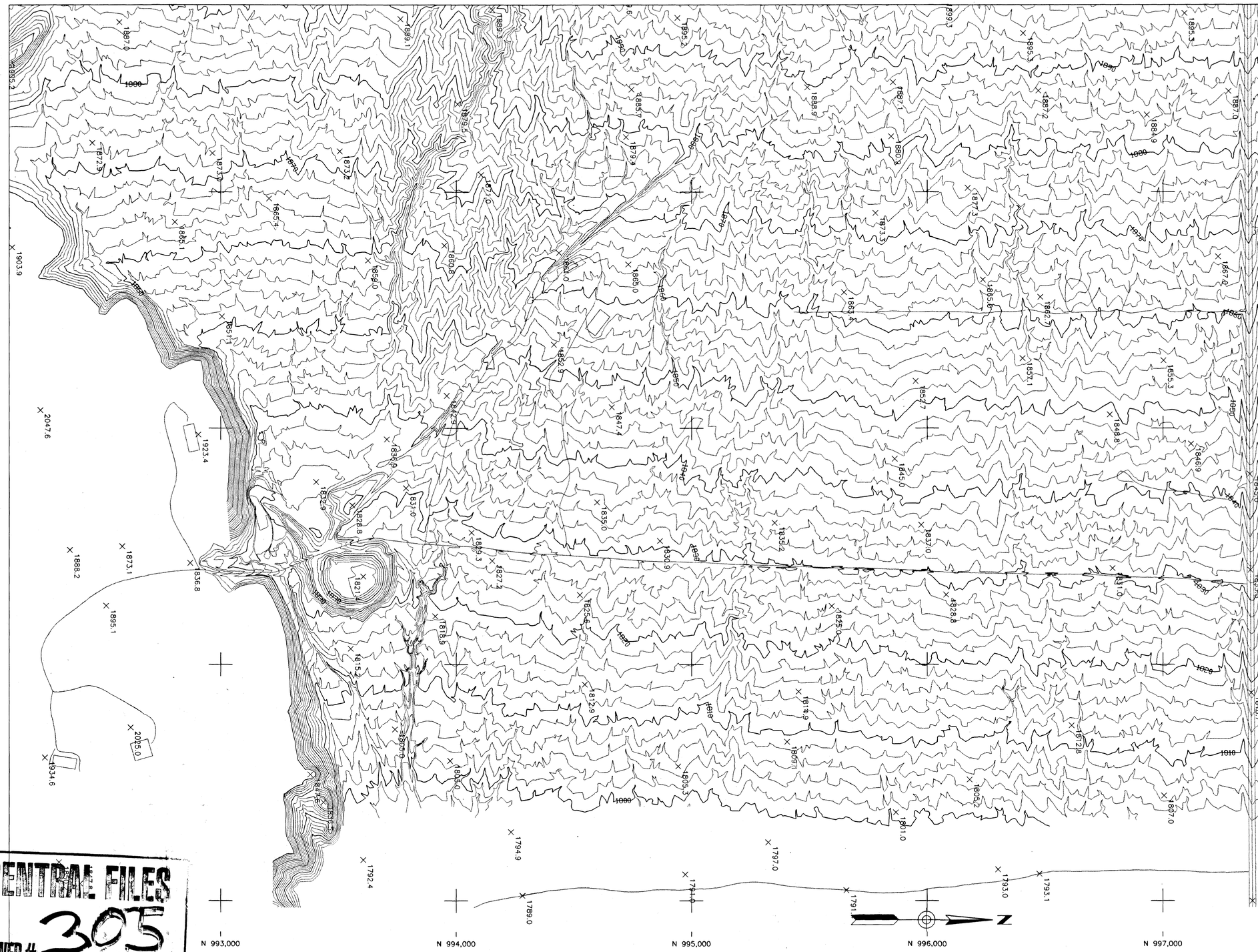
DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE	
DESIGN	BRI	5-99	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	JEF	5-99	RECOMMENDED BY: DATE
PLANS	AFS	5-99	APPROVED BY: DATE
PLANS CHK.	BRI	5-99	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:		DATE:	SHEET 3 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY URBAN ENGINEERING.

Filename: SHEET9.dwg Last Revised: 05/25/1999, 12:50:16 Plotted: 05/25/1999, 13:54:07
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

LEGEND

NOTES

1. All elevations are based on National Geodetic Vertical Datum of 1929
2. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.
3. Horizontal Projection is State Plane, NAD 1983

INDEX MAP

	28	27	26	25	30
T 5N	33 / 6	34 / 5	35 / 4	36 / 2	31
T 4N	4	3	2	1	6
	9	10	11	12	7

R 5E / R 6E

N

200' 0' 400'

SCALE: 1" = 200'

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

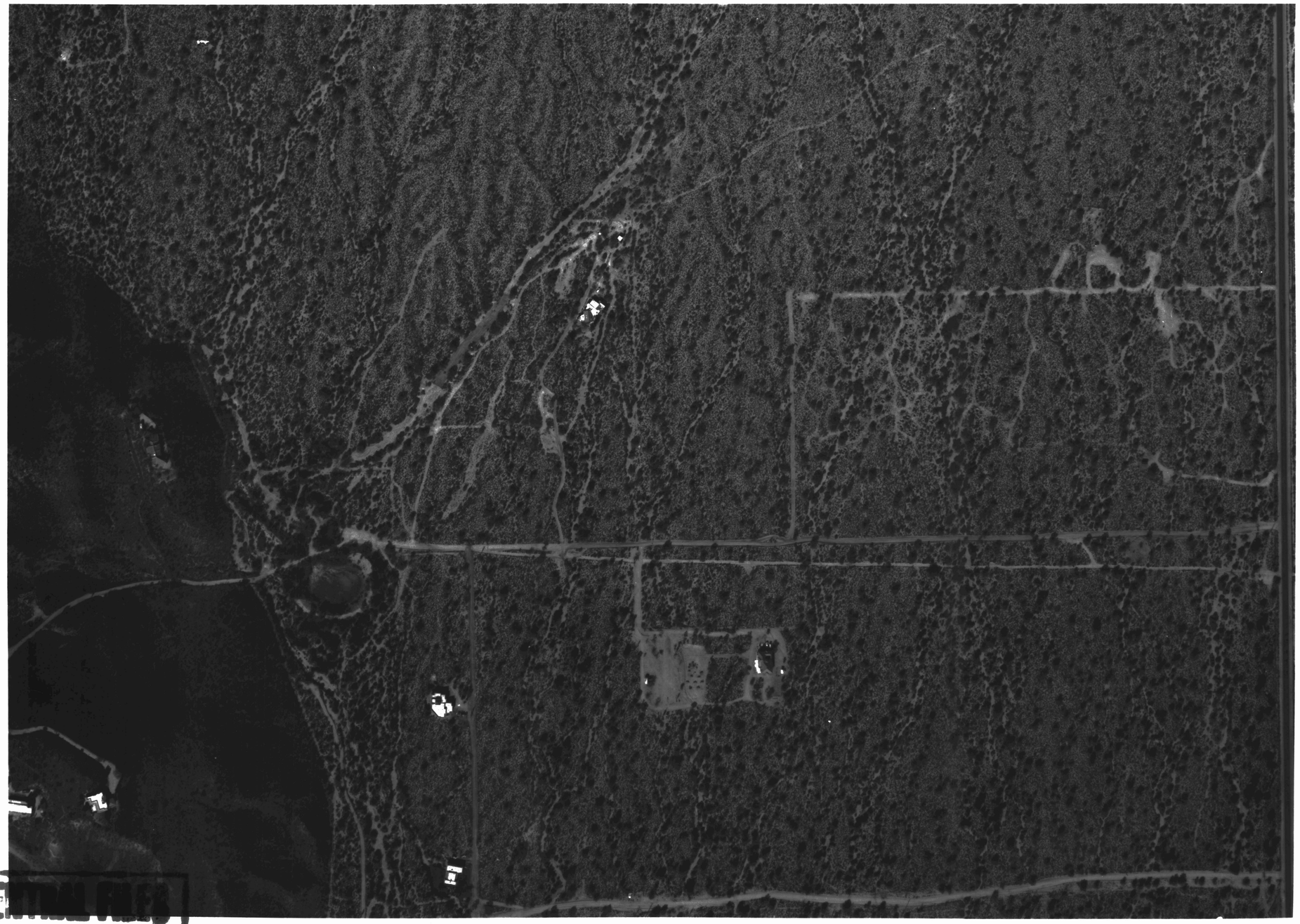
SHEET 3 OF 6

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY URBAN ENGINEERING.

CENTRAL FILES
DRAWER # 305

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOS
FLIGHT DATE: 10-18-97

RIO VERDE SOUTH EXTENTION
STUDY MAP MYLARS(THREE
TYPES OF MYLARS) FCD 97-13
318 273
MWD



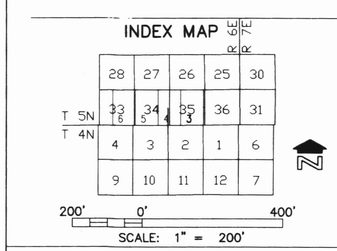
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY
OF RIO VERDE SOUTH
EXTENSION

FCD 97-13

LEGEND

INDEX MAP



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

RECOMMENDED BY: DATE

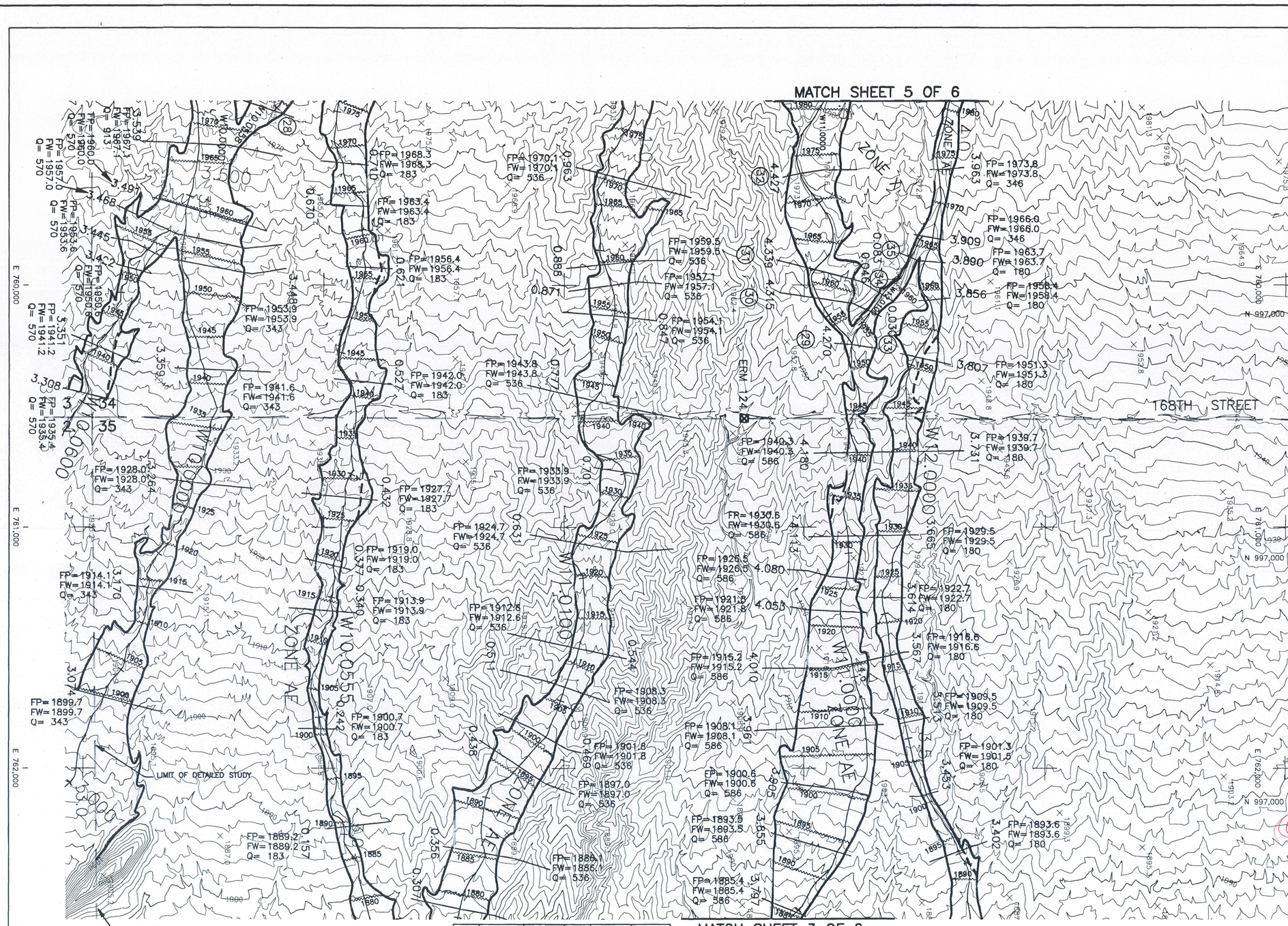
APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 6

CENTRAL FILES
318
SURVEYING AND PHOTOGRAMMETRY

RIO VERDE SOUTH EXTENTION
STUDY MAP MYLARS(THREE TYPES
OF MYLARS) FCD 97-13
318 273
MXD



NO.	RIVER	STATION	Q	FP	FW
28	10.0558	0.050	175	1973.3	1973.3
29	11.0000	4.270 *	586	1952.5	1952.5
30	11.0000	4.315	506	1957.9	1957.9
31	11.0000	4.339	506	1961.5	1961.5
32	11.0000	4.427	506	1973.3	1973.3
33	12.0100	0.030	179	1955.9	1955.9
34	12.0100	0.046	179	1958.1	1958.1
35	12.0100	0.083	179	1963.4	1963.4

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY URBAN ENGINEERING.

Filename: SHEET10.dwg Last Revised: 05/25/1999, 13:18:30 Plotted: 05/25/1999, 13:52:42
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE (2.0)
- CROSS SECTION (5.519) FP=100 Yr WSEL FW=Floodway WSEL Q=100 Yr Flow
- ELEVATION REFERENCE MARK ○ OR △ OR ⊠ ERM #2
- BASE FLOOD ELEVATIONS (1221)
- ZONE DESIGNATIONS ZONE AE
- ROADS
- SECTION LINE

ELEVATION REFERENCE MARKS

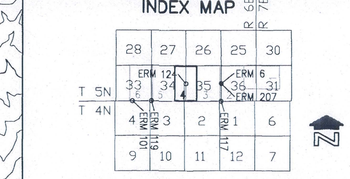
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 124	1941.64	GLO BRASS CAP, W. 1/4 COR. OF SEC. 35, T5N, R6E

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



200' 0' 400'

SCALE: 1" = 200'

RICHARD D. FOX 5-99

Registered Professional Engineer (Civil) CERTIFICATE NO. 29825 BRIAN R. ISERMAN Date Signed 5-25-99 ARIZONA U.S.A.

Brian R. Iserman

*Denotes Changes made May-2000: Brian R. Iserman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99

SUBMITTED BY: DATE:

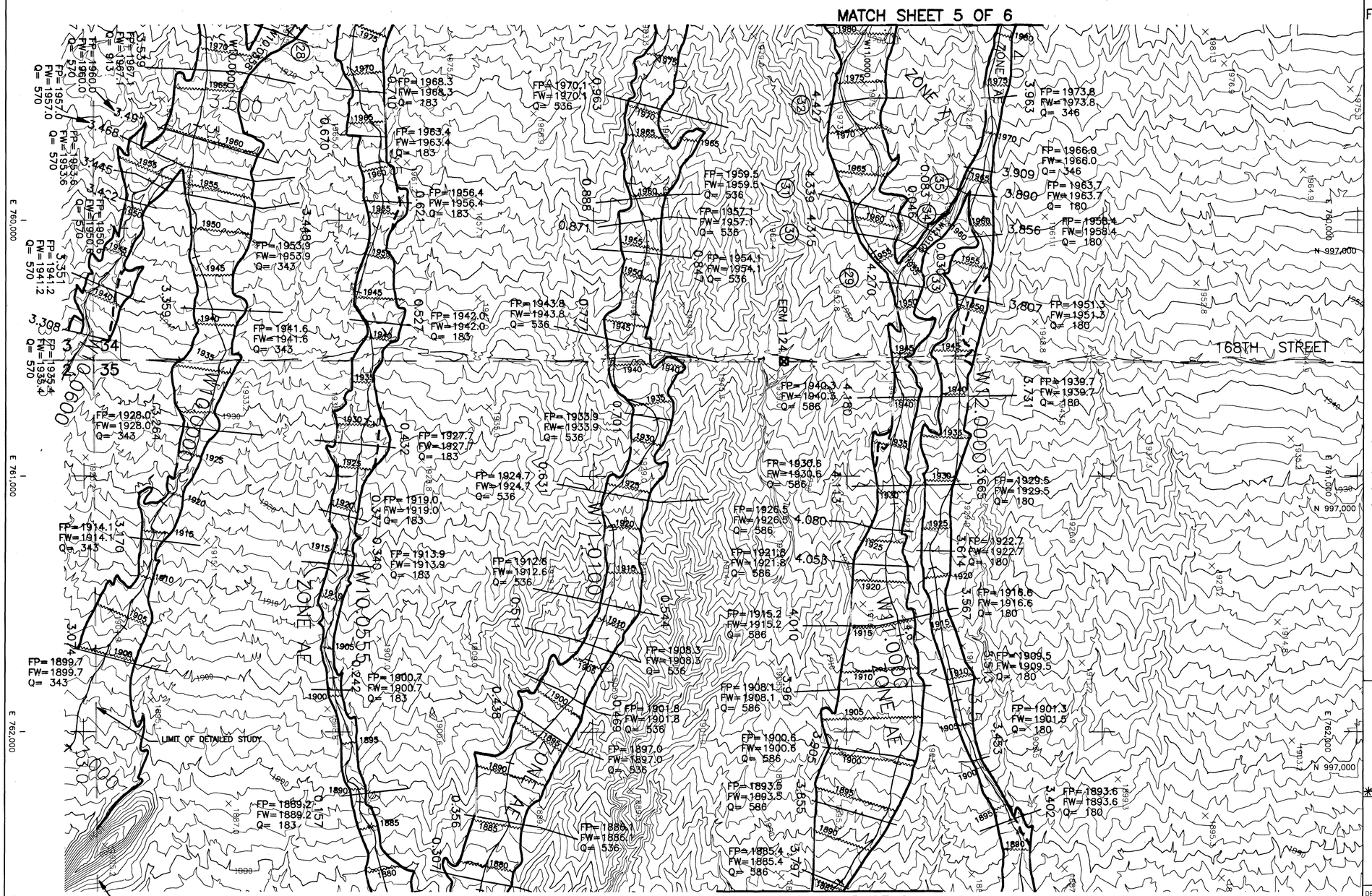
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 6



NO.	RIVER	STATION	Q	FP	FW
28	10.0558	0.030	175	1973.3	1973.3
29	11.0000	4.270 *	586	1952.5	1952.5
30	11.0000	4.315	506	1957.9	1957.9
31	11.0000	4.339	506	1961.5	1961.5
32	11.0000	4.427	506	1973.3	1973.3
33	12.0100	0.030	179	1955.9	1955.9
34	12.0100	0.046	179	1958.1	1958.1
35	12.0100	0.083	179	1963.4	1963.4

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL
SURVEY DATA PROVIDED BY URBAN ENGINEERING.

Filename: SHEET10.dwg Last Revised: 05/25/1999, 13:18:30 Plotted: 05/25/1999, 13:52:42
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

100-YR FLOODPLAIN BOUNDARY
FLOODWAY BOUNDARY
HYDRAULIC BASE LINE & RIVER MILE — 2.0
CROSS SECTION — 5.519 FP=100 Yr WSEL FW=Floodway WSEL Q=100 Yr Flow
ELEVATION REFERENCE MARK — ○ OR △ OR ☒ ERM #2
BASE FLOOD ELEVATIONS — 1221
ZONE DESIGNATIONS — ZONE AE
ROADS
SECTION LINE

ELEVATION REFERENCE MARKS

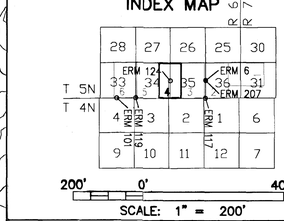
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 124	1941.64	GLO BRASS CAP, W. 1/4 COR. OF SEC. 35, T5N, R6E

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



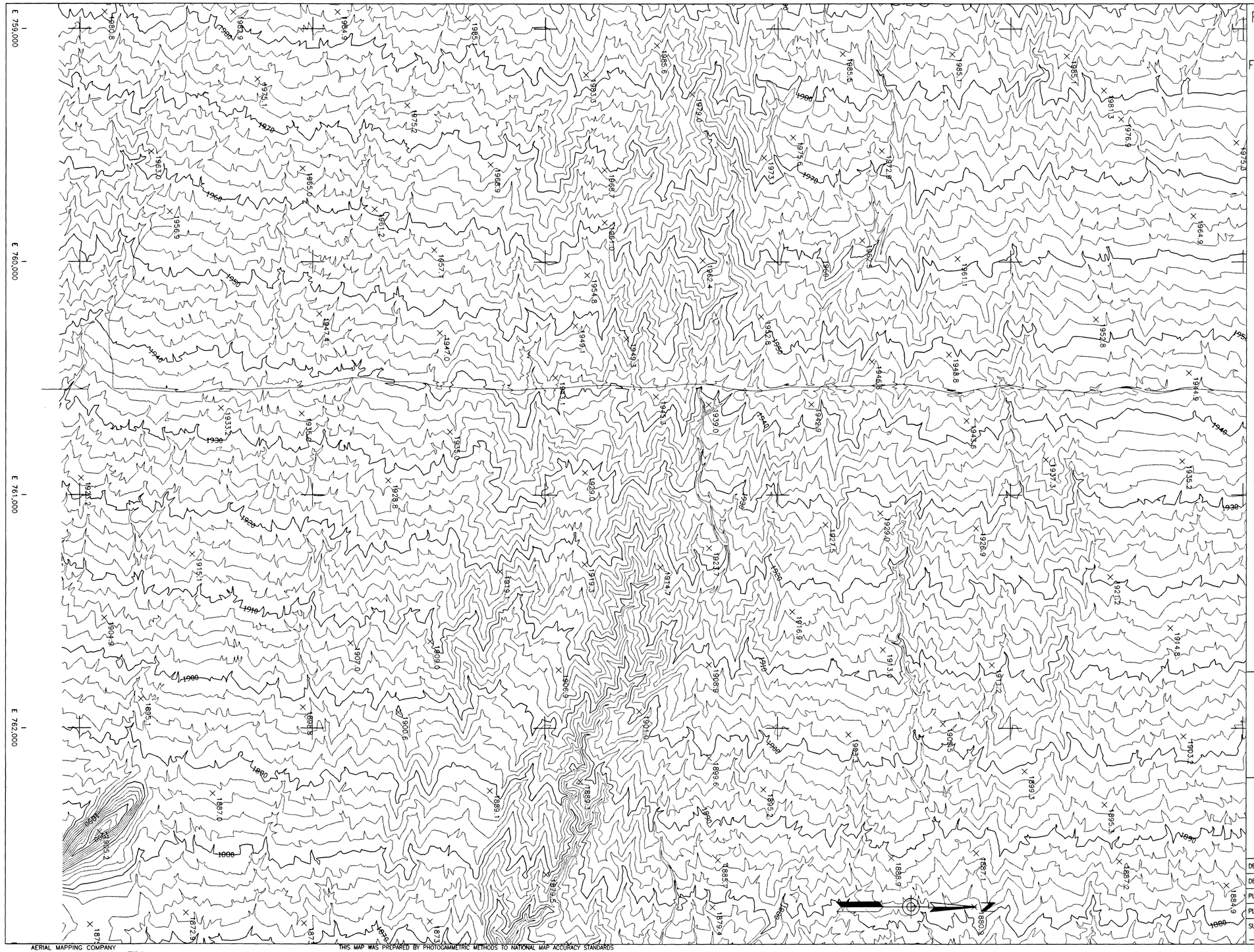
200' 0' 400'
SCALE: 1" = 200'

*Denotes Changes made May 2000: Brian R. Sherman

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
in association with
DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER
SHEET 4 OF 6



AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA
PROVIDED BY URBAN ENGINEERING.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

LEGEND

NOTES

1. All elevations are based on National Geodetic Vertical Datum of 1929
2. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.
3. Horizontal Projection is State Plane, NAD 1983

INDEX MAP

R 6 E | R 7 E

	28	27	26	25	30
T 5N	33 / 6	34 / 5	35 / 4	36 / 3	31 / 2
T 4N	4	3	2	1	6
	9	10	11	12	7

N

200' 0' 400'

SCALE: 1" = 200'

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

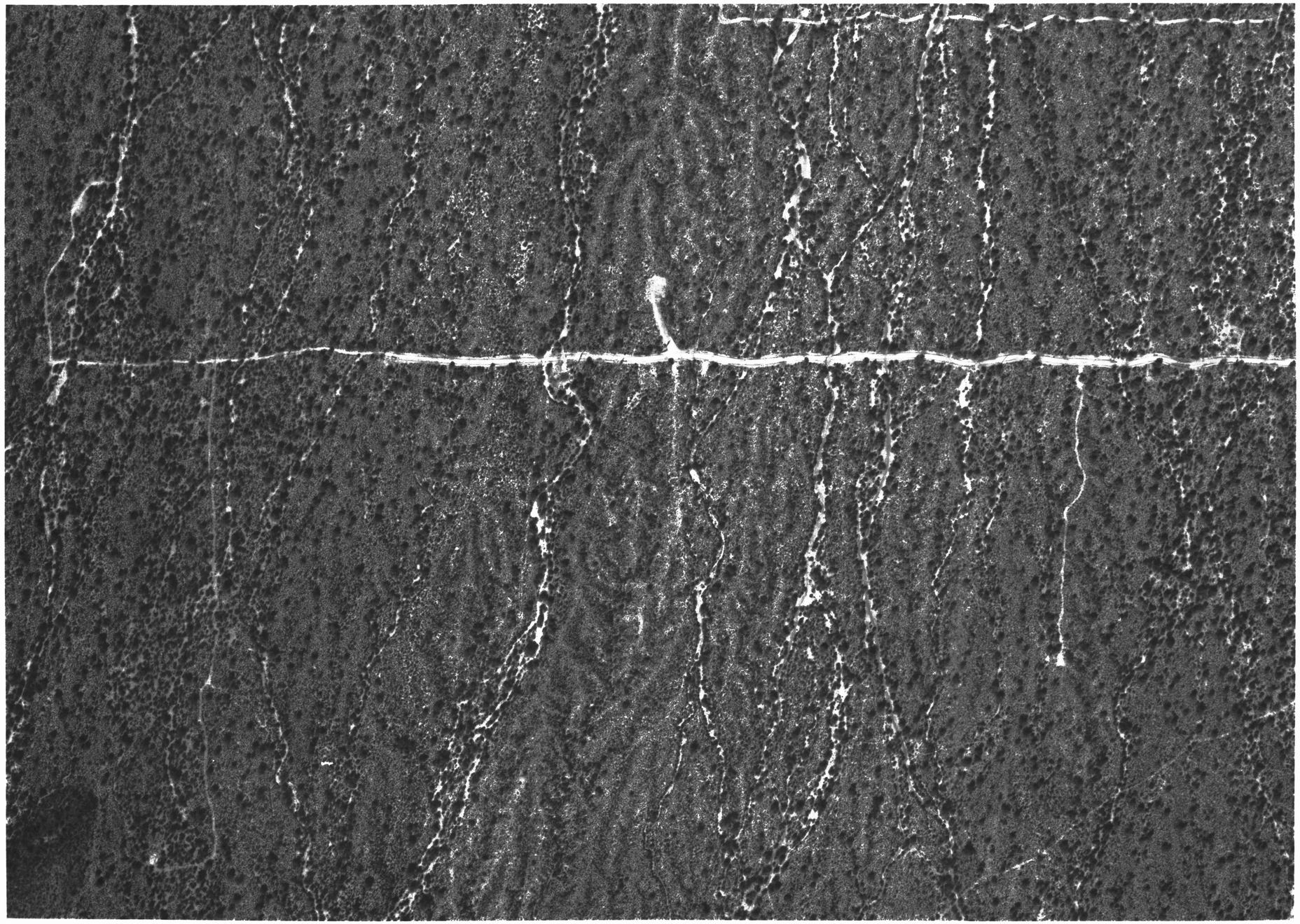
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 6



AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 3-16-2000

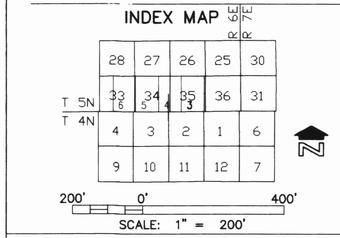
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

LEGEND

INDEX MAP



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

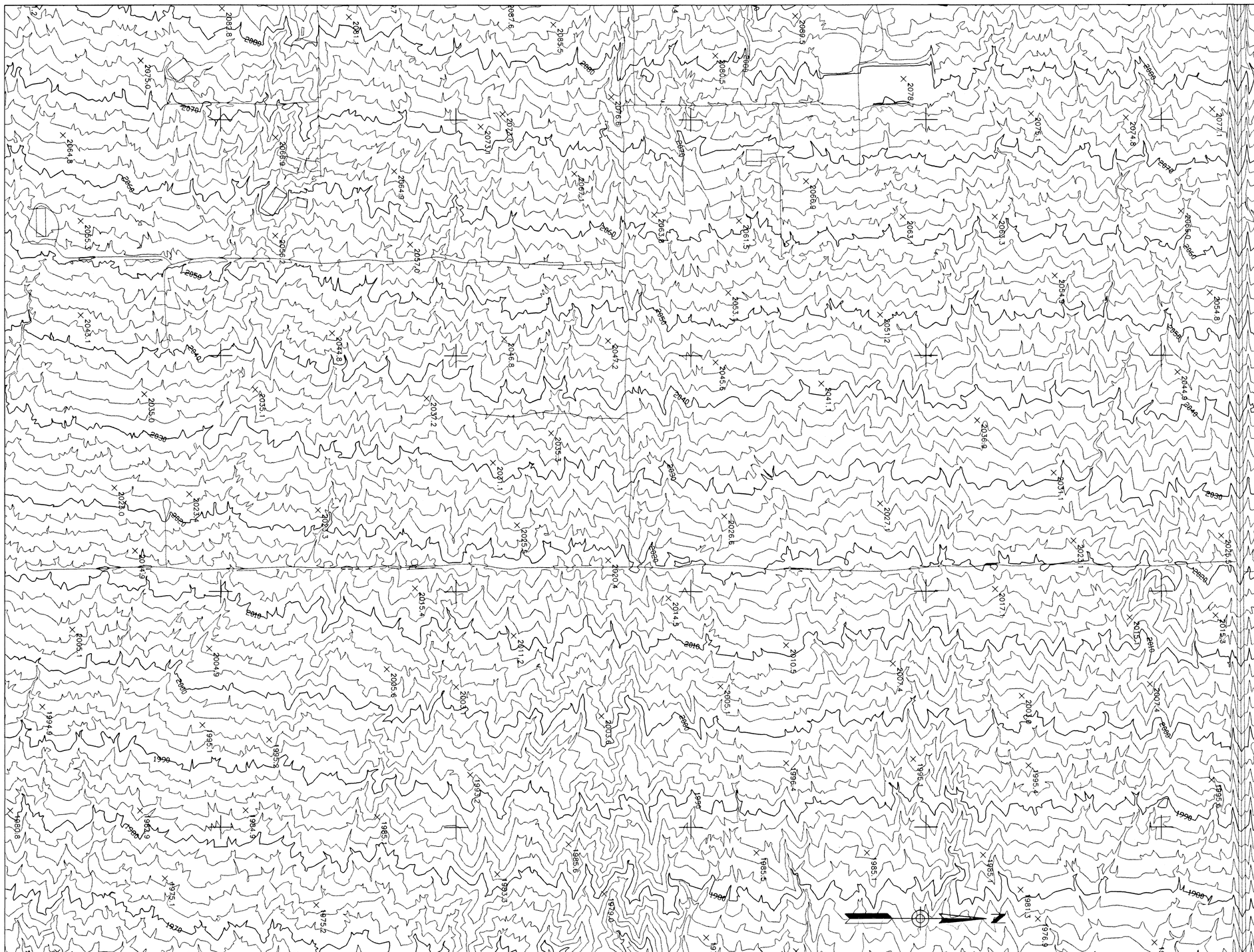
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 6



AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA
PROVIDED BY URBAN ENGINEERING.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

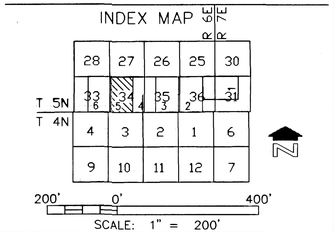
FCD 97-13

LEGEND

NOTES

1. All elevations are based on National Geodetic Vertical Datum of 1929
2. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.
3. Horizontal Projection is State Plane, NAD 1983

INDEX MAP



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

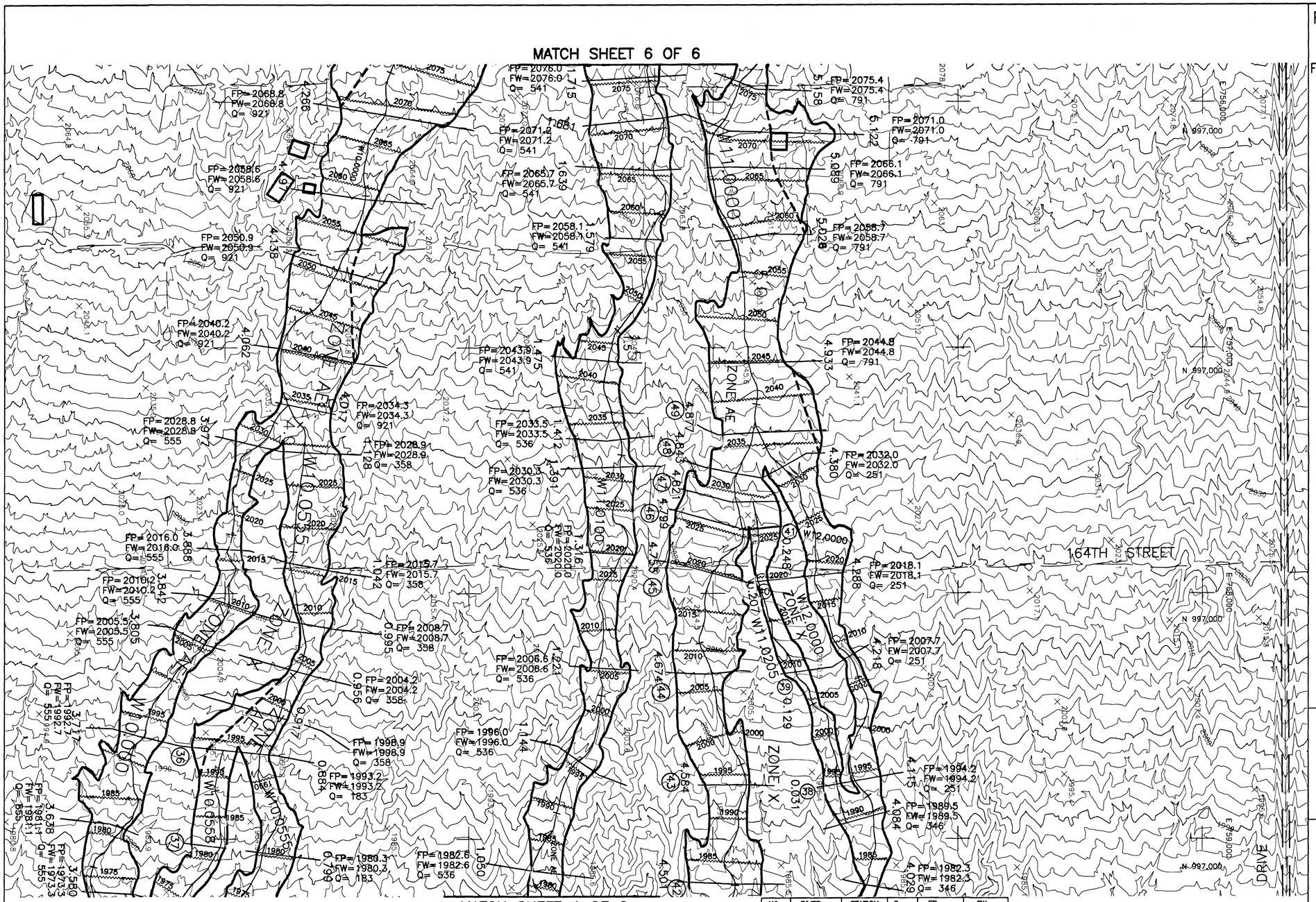
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 6



NO.	RIVER	STATION	Q	FP	FW
36	10.0558	0.186	175	1993.3	1993.3
37	10.0558	0.109	175	1981.4	1981.4
38	11.0205	0.031	80	1994.1	1994.1
39	11.0205	0.129	80	2008.7	2008.7
40	11.0205	0.207	80	2019.5	2019.5
41	11.0205	0.248	80	2025.7	2025.7

NO.	RIVER	STATION	Q	FP	FW
42	11.0000	4.501	506	1982.2	1982.2
43	11.0000	4.584	506	1993.8	1993.8
44	11.0000	4.674	506	2006.9	2006.9
45	11.0000	4.753	506	2019.8	2019.8
46	11.0000	4.799	506	2025.7	2025.7
47	11.0000	4.821	586	2028.9	2028.9
48	11.0000	4.843	586	2032.0	2032.0
49	11.0000	4.877	791	2036.2	2036.2

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — 5.59 — FP=100 Yr WSEL, FW=Floodway WSEL, Q=100 Yr Flow
- ELEVATION REFERENCE MARK — ○ OR △ OR ☒ — ERM #2
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- ROADS
- SECTION LINE

ELEVATION REFERENCE MARKS

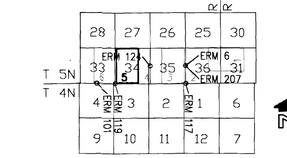
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 119	2086.42	GLO BRASS CAP, S.W. COR. OF SEC. 34, T5N, R6E

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



SCALE: 1" = 200'

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

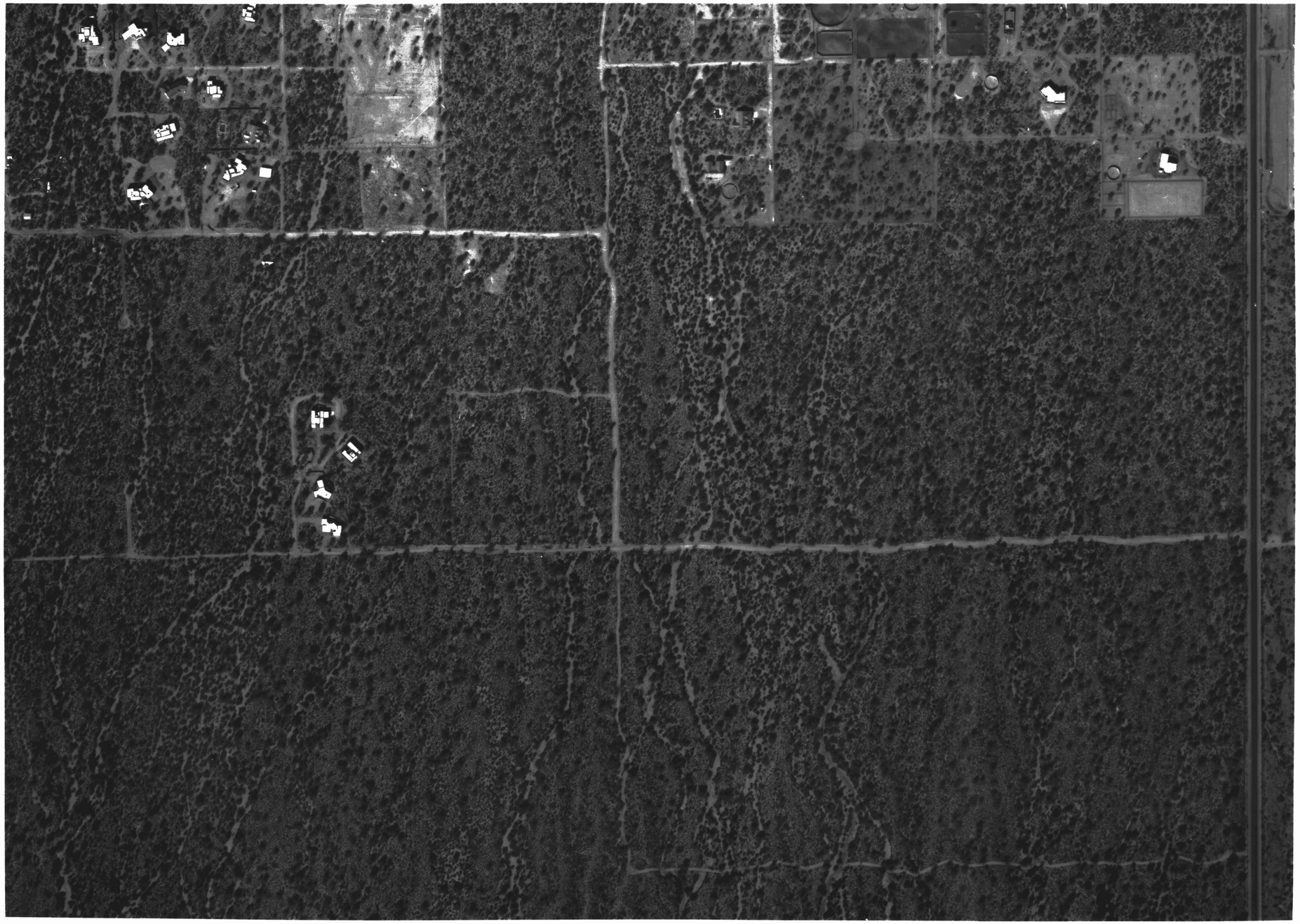
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY URBAN ENGINEERING.

Filename: SHEET11.dwg Last Revised: 05/25/1999, 13:28:24 Plotted: 05/25/1999, 13:51:41
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9-12=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY
OF RIO VERDE SOUTH
EXTENSION

FCD 97-13

LEGEND

INDEX MAP

200' 0' 400'

SCALE: 1" = 200'

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

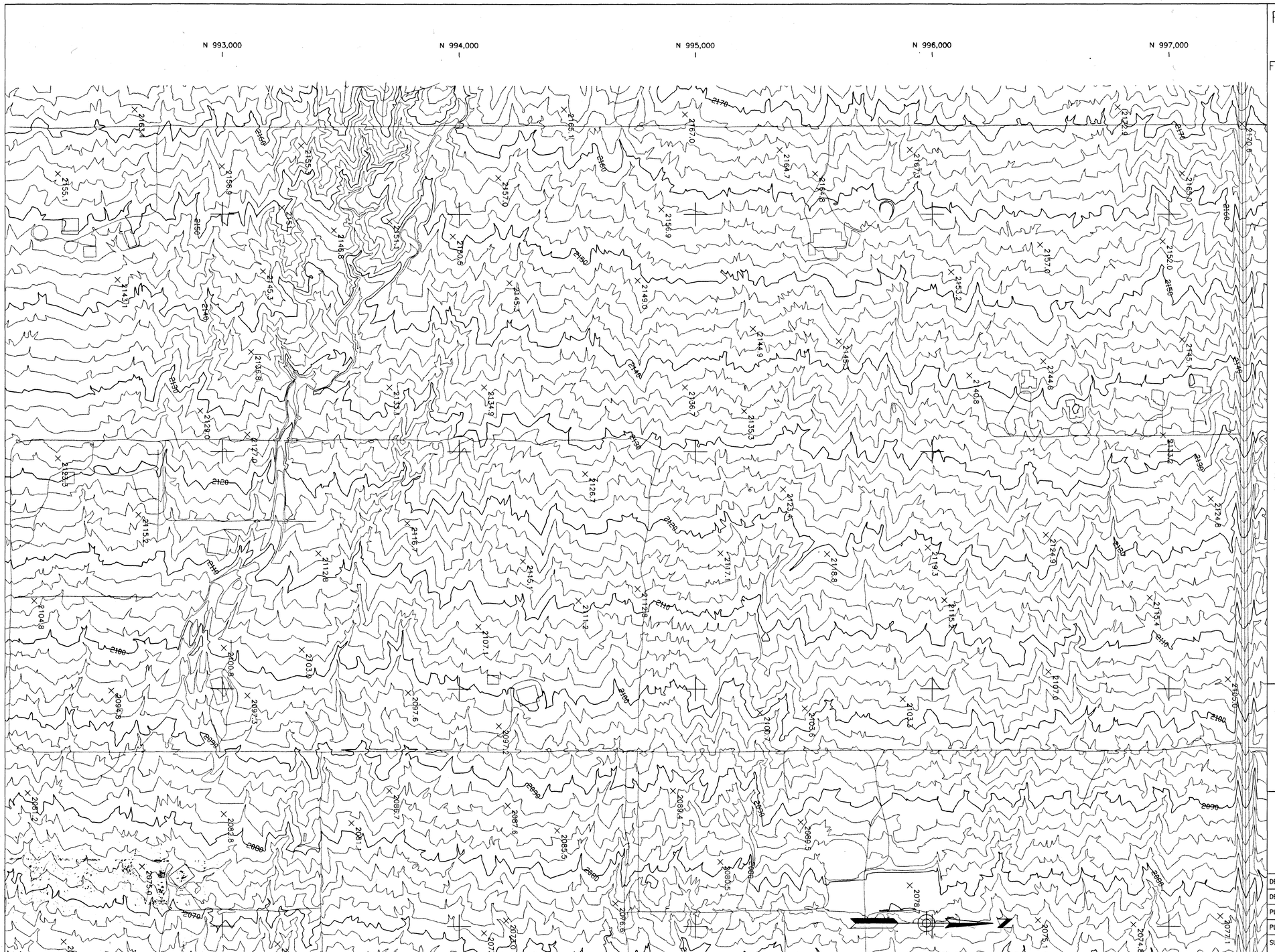
RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 3--16--2000



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

LEGEND

NOTES

1. All elevations are based on National Geodetic Vertical Datum of 1929
2. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.
3. Horizontal Projection is State Plane, NAD 1983

INDEX MAP

R 6E | R 7E

T 5N
T 4N

28	27	26	25	30
33 / 32	34 / 5	35 / 4 / 3	36 / 2	31 / 1
4	3	2	1	6
9	10	11	12	7

N

200' 0' 400'

SCALE: 1" = 200'

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

DESIGN	BY	DATE
DESIGN CHK.		
PLANS		
PLANS CHK.		
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

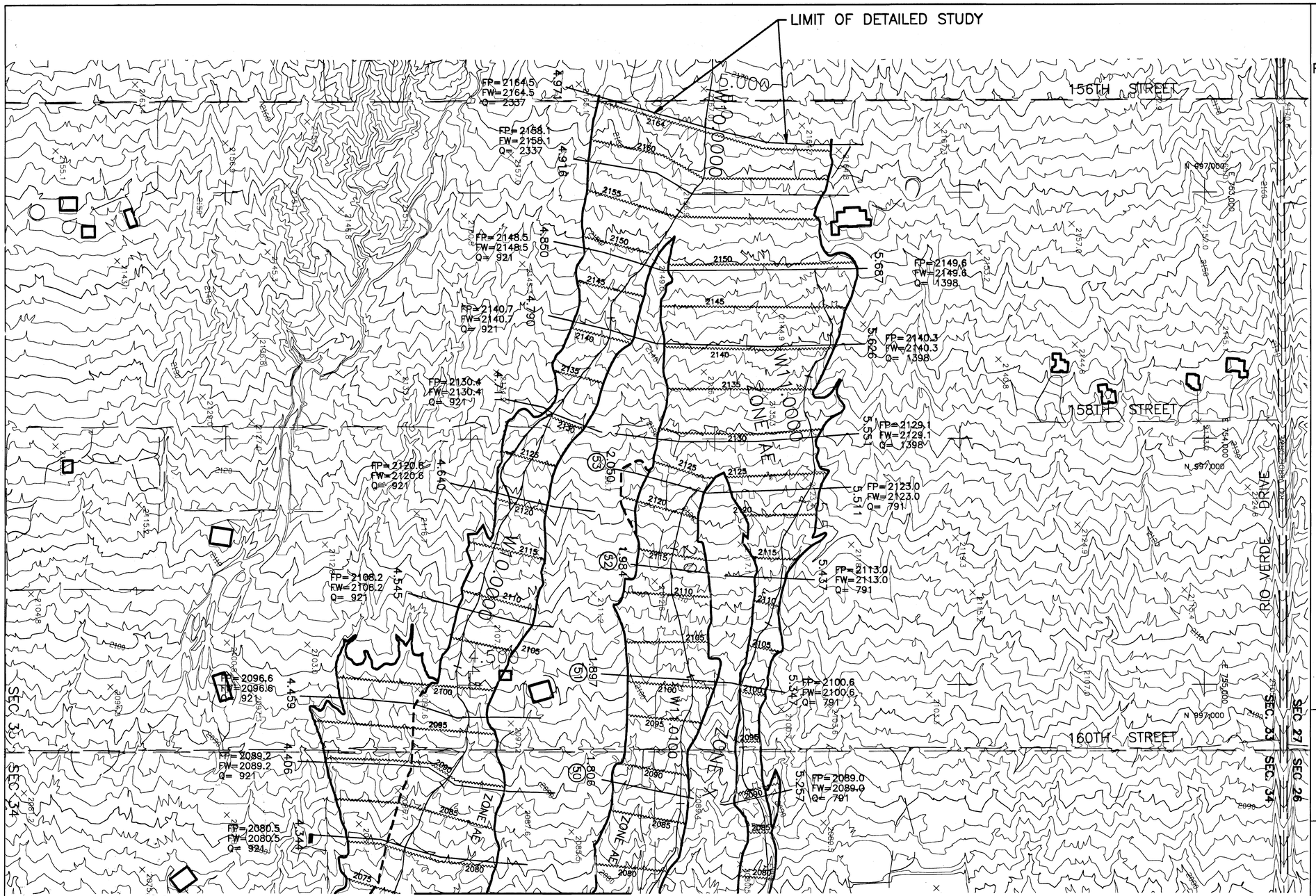
APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA
PROVIDED BY URBAN ENGINEERING.



MATCH SHEET 5 OF 6

NO.	RIVER	STATION	Q	FP	FW
50	11.0100	1.806	541	2089.0	2089.0
51	11.0100	1.897	600	2101.3	2101.3
52	11.0100	1.984	600	2114.4	2114.4
53	11.0100	2.050	600	2124.1	2124.1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY OF RIO VERDE SOUTH EXTENSION

FCD 97-13

MAY 1999

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — 5.519 — FP=100 Yr WSEL, FW=Floodway WSEL, Q=100 Yr Flow
- ELEVATION REFERENCE MARK — ○ OR △ OR ⊠ ERM #2
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- ROADS
- SECTION LINE

ELEVATION REFERENCE MARKS

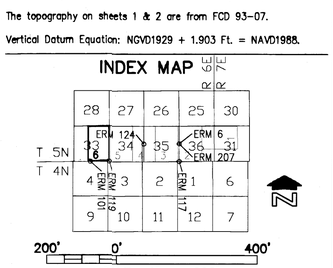
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
ERM 101	2161.23	GLO BRASS CAP, S. 1/4 COR. OF SEC. 33, T5N, R6E
ERM 119	2086.42	GLO BRASS CAP, S.W. COR. OF SEC. 34, T5N, R6E

NOTES

1. The Floodplain & Floodway on sheets 1 and 2 are from FCD93-07, as noted.
2. Where Floodplain & Floodway are coincident only Floodplain is shown.
3. The topography on sheets 1 & 2 are from FCD 93-07.
4. Vertical Datum Equation: NGVD1929 + 1.903 Ft. = NAVD1988.

INDEX MAP



JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

in association with

DIBBLE & ASSOCIATES CONSULTING ENGINEERS

	BY	DATE
DESIGN	BRI	5-99
DESIGN CHK.	JEF	5-99
PLANS	AFS	5-99
PLANS CHK.	BRI	5-99
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 10-18-97

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY URBAN ENGINEERING.

Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg
Cross References: BORDER=J:\9711\ACAD\finalmaps\9711border.dwg, BASE9=J:\9711\ACAD\finalmaps\base9-12.dwg, TOPO1997=J:\9711\ACAD\finalmaps\topo1997.dwg

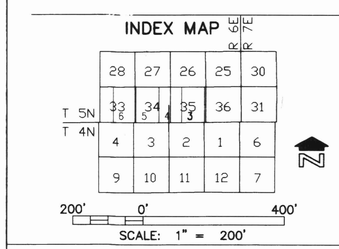
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION STUDY
OF RIO VERDE SOUTH
EXTENSION

FCD 97-13

LEGEND

INDEX MAP



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.			RECOMMENDED BY: DATE
PLANS			APPROVED BY: DATE
PLANS CHK.			CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY: DATE:			SHEET 6 OF 6

AERIAL MAPPING COMPANY
SURVEYING AND PHOTOGRAMMETRY
FLIGHT DATE: 3-16-2000