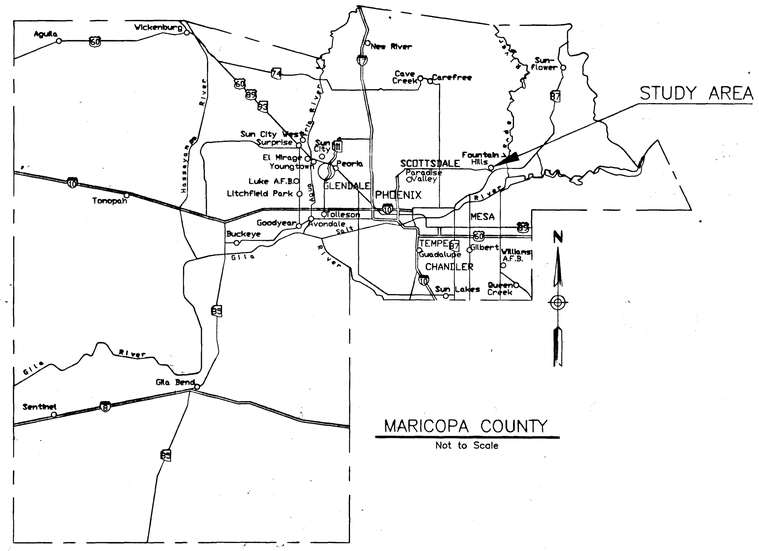
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

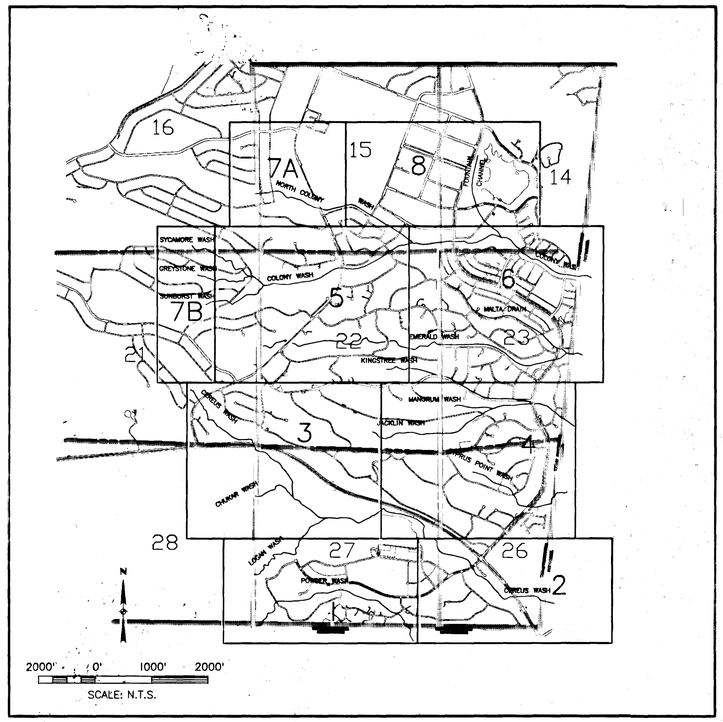
FOUNTAIN HILLS SOUTH

Flood Delineation Study

FCD 92-05



LOCATION MAP



STUDY AREA MAP
AND SHEET INDEX

DATUM

HORIZONTAL: North American Datum of 1983
VERTICAL: National Geodetic Vertical Datum of 1929

Datum Notes: There is Another Set of Topographic Maps in Use by the Town of Fountain Hills, on Local Datum. This Other Set of Mapping was also Prepared by Kenny Aerial Mapping, at Same Scale and Flight Date as this Mapping.

ELEVATION EQUATION

NGVD 1929 = Local Datum −1.26 feet

[Source Anderson–Nelson Inc. Letter Dated 8/24/92]

NOTES

1. Floodplain Limits in this Study are Plotted at each HEC–2 Cross Section on the Basis of Starting (SSTA) and Ending (ENDST) Stations Unless there is Ineffective Flow Area or a Conflict with Topographic Contours, in which Case, the Contours take Precedence.
2. Detailed Contour Mapping is Shown Only Along Major Washes.
3. The Topography and Configuration of Roadway Crossings Provide Cosiderable Storage Upstream of Several Culverts in the Study Area. The Storage Combined with Limited Culvert Capacity Tend to Cause Significant Flow Reduction Downstream of these Culverts.

CENTRAL FILES
NUMBER # 305

FOUNTAIN HILLS SOUTH
FLOOD DELINEATION
STUDY1996
FCD92-05
TMM

SHEET INDEX

Sheets 1–8 Flood Delineation Study

AERIAL MAPPING

Kenney Aerial Mapping
1130 W. Fillmore
Phoenix, Arizona 85007 (602) 258–6471

KAM JOB # 910804–1
FLIGHT DATE: August 29, 1991
CONTOUR INTERVAL: 2 Feet

GROUND CONTROL

Anderson–Nelson, Inc.
4441 E. McDowell Road
Phoenix, Arizona 85008 (602) 273–1850

ADDITIONAL SURVEY

Valco Surveying Corp.
6426 East Virginia Avenue
Scottsdale, Arizona 85257 (602) 278–0078

HYDROLOGY

AGK Engineers, Inc.
2255 N 44th Street Suite 330
Phoenix, Arizona 85008 (602) 244–2566

HYDRAULICS

AGK Engineers, Inc.
2255 N 44th Street Suite 330
Phoenix, Arizona 85008 (602) 244–2566

LEGEND

Section Label	9
Sheet Limits	
Sheet Number	9
Study Wash	
Section Line	

Registered Professional Engineer (Civil) CERTIFICATE NO. 29737 HERNAN A. ARISTIZABAL Date Signed 11-1-95 ARIZONA, U.S.A.

Registered Professional Engineer (Civil) CERTIFICATE NO. 10283 SAMUEL E. KAO Date Signed 11-1-95 ARIZONA, U.S.A.

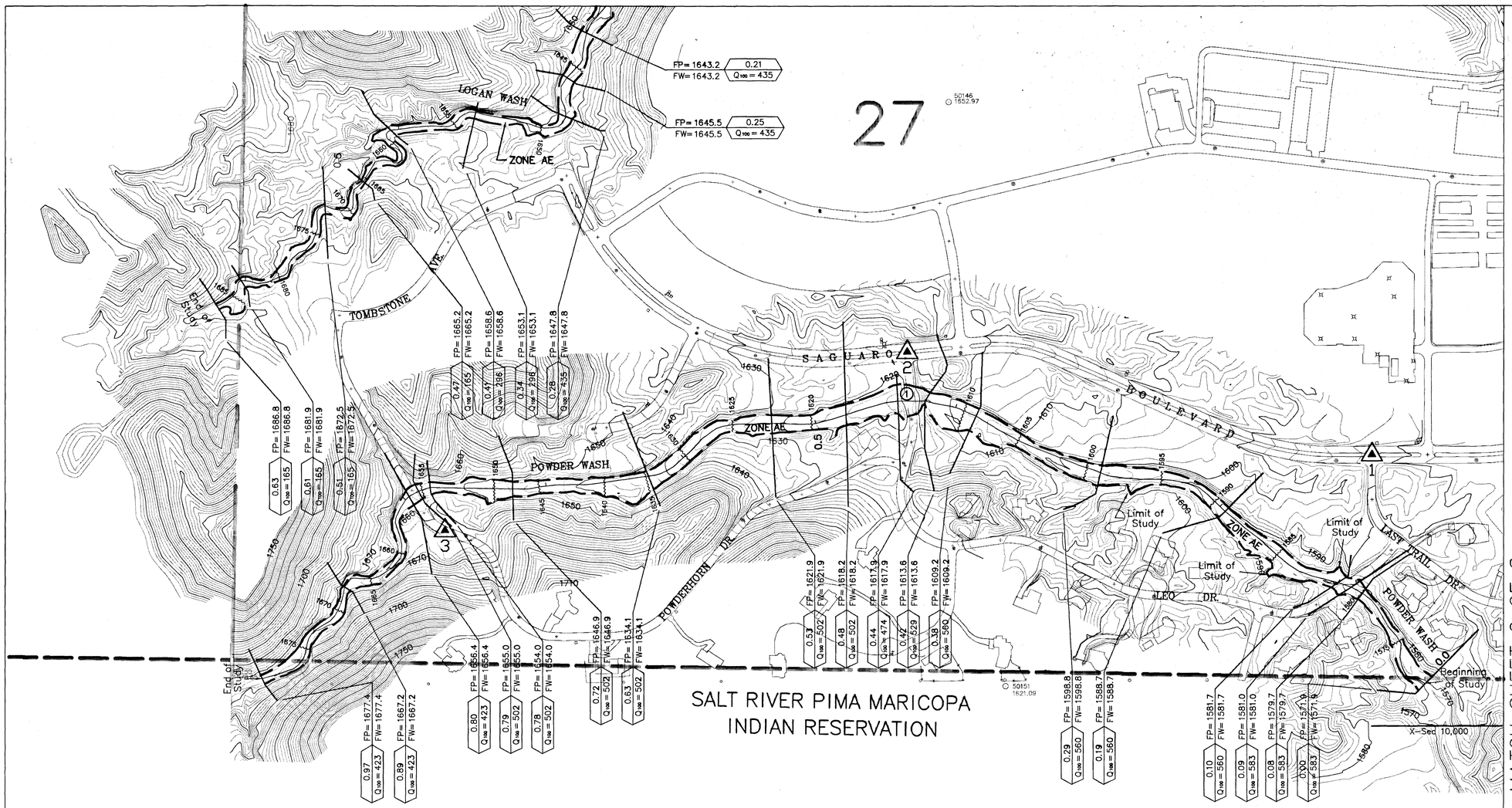
ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244–2566

	BY	DATE	
DESIGN	HAA	11/95	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	SEK	11/95	
PLANS	JDS	11/95	RECOMMENDED BY: DATE
PLANS CHK.	HAA	11/95	APPROVED BY: DATE
SUBMITTED BY: DATE:			CHIEF ENGINEER AND GENERAL MANAGER
			COVER SHEET

Dwg. Name: C:\DRAW\FH-FINAL\FHCOVER.dwg
Date: REV. NOV. 07, 1995 1:00pm

FEMA Case No: 97-09-534P Effective Date: Oct 21 1997

MATCH SHEET 3 OF 8



MATCH SHEET 2 OF 8

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — FP= 1733.4 FW=1733.4 4.97 Q100 = 283
- ELEVATION REFERENCE MARK — 2
- BASE FLOOD ELEVATIONS — 1500
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- SECTION LINE — Section Boundary

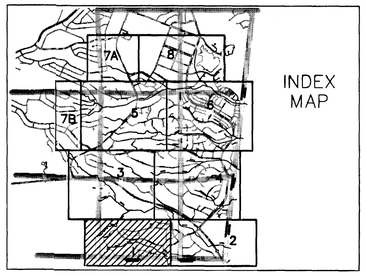
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
1	1591.21	TOP OF BRASS CAP, AT INTERSECTION OF LAST TRAIL DRIVE AND SAGUARO BOULEVARD, BEING IN THE SOUTHEAST 1/4 OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST.
2	1619.95	TOP OF BRASS CAP, AT INTERSECTION OF LEO DRIVE AND SAGUARO BOULEVARD, BEING IN THE SOUTHWEST 1/4 OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST.
3	1659.58	TOP OF BRASS CAP, AT A POINT OF CURVATURE OF CENTER LINE OF POWDERHORN DRIVE, 180 FEET EAST OF CENTER LINE OF POWDER WASH AND 600 FEET SOUTHEAST OF TOMBSTONE DRIVE, BEING IN THE SOUTHWEST 1/4 OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST
5	See note on Sheet 2 of 8	

NOTES

1. LOCAL FLOWS MAY CAUSE FLOODING IN THIS AREA SEE SPECIAL PROBLEMS SECTION.



N

200 0' 200 400

SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 1 OF 8

Registered Professional Engineer (Civil) CERTIFICATE NO. 29737 HERNAN A. ARISTIZABAL Date Signed 11-1-95 ARIZONA, U.S.A.

Registered Professional Engineer (Civil) CERTIFICATE NO. 10283 SAMUEL E. KAO Date Signed 11-1-95 ARIZONA, U.S.A.

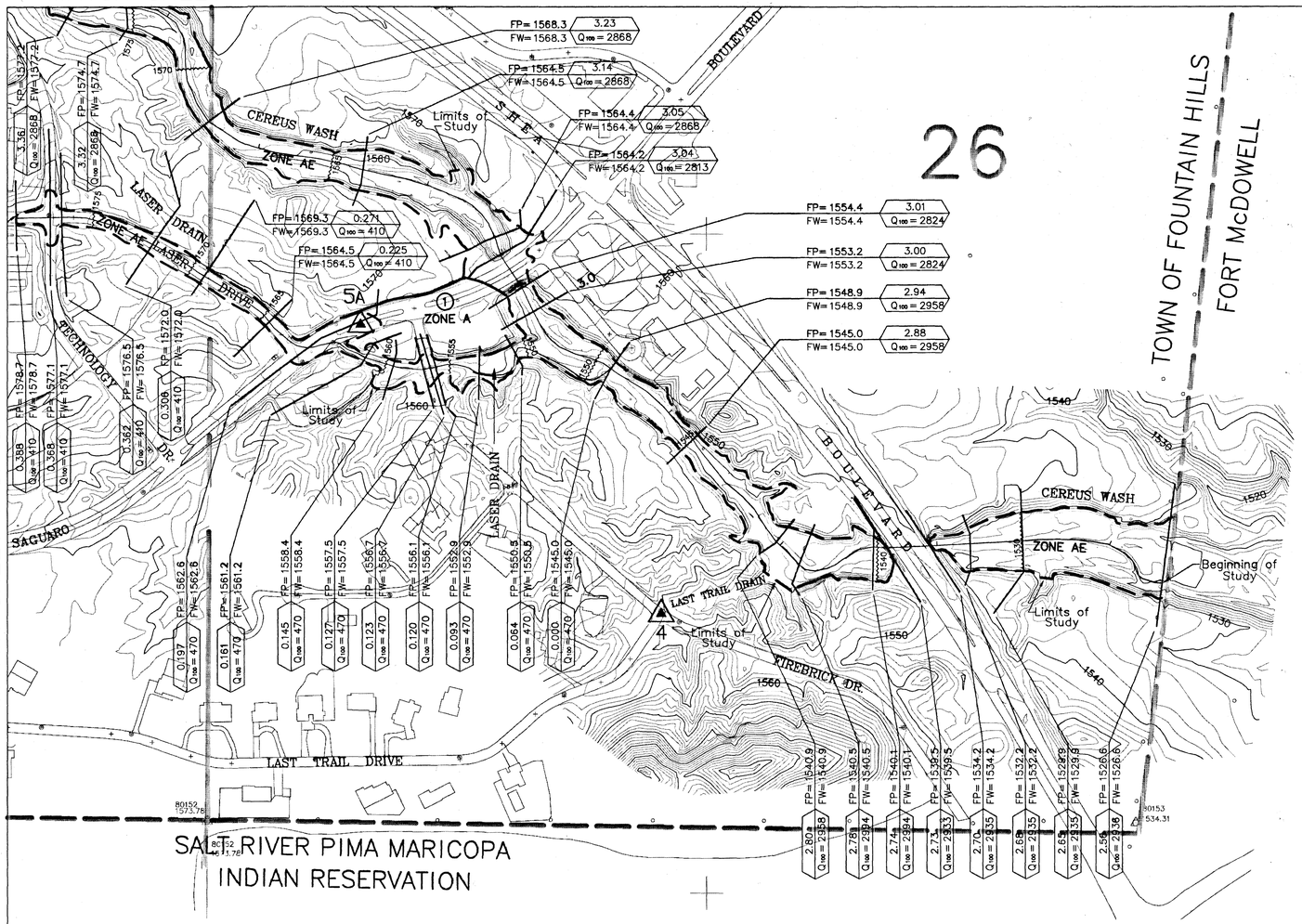
Dwg. Name: C:\FTNHILLS\FH-01.DWG
Date: REV. NOV. 07, 1995 01:00pm

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

MATCH SHEET 4 OF 8

MATCH SHEET 1 OF 8



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE & RIVER MILE — 2.0

CROSS SECTION — FP= 1733.4 / FW=1733.4 — 4.97 / Q100 = 283

ELEVATION REFERENCE MARK — 2

BASE FLOOD ELEVATIONS — 1500

ZONE DESIGNATIONS — ZONE AE

CORPORATE LIMITS — Corporate Limits

SECTION LINE — Section Boundary

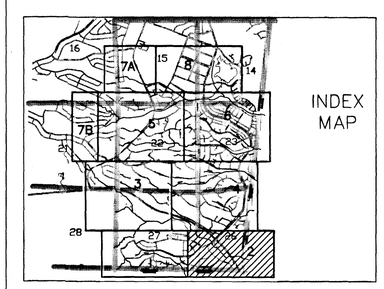
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
4	1550.10	TOP OF BRASS CAP, AT INTERSECTION OF FIREBRICK DRIVE AND LAST TRAIL DRIVE, BEING IN THE SOUTHWEST 1/4 OF SECTION 26, TOWNSHIP 3 NORTH, RANGE 6 EAST.
5	1656.11	TOP OF BRASS CAP, AT INTERSECTION OF ~~LASER DRAIN~~ Tombstone Avenue AND SAGUARO BOULEVARD, BEING IN THE SOUTHWEST 1/4 OF SECTION 26, TOWNSHIP 3 NORTH, RANGE 6 EAST.
5A	1561.53	Laser Dr & Saguaro Blvd. (See letter from Entellus) dated 3-30-99

NOTES

1. Flooding from Cereus Wash culvert overtopping Flow returns to Laser Drain at X-sec 0.123 (see Special Problems Section)



200 0' 200 400

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE	
DESIGN	HAA	10/96	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	SEK	10/96	RECOMMENDED BY: DATE
PLANS	JDS	10/96	APPROVED BY: DATE
PLANS CHK.	HAA	10/96	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:		DATE:	SHEET 2 OF 8

Dwg. Name: C:\FTNHILLS\FH-02.DWG
Date: REV. JAN 22, 1997 2:00pm

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

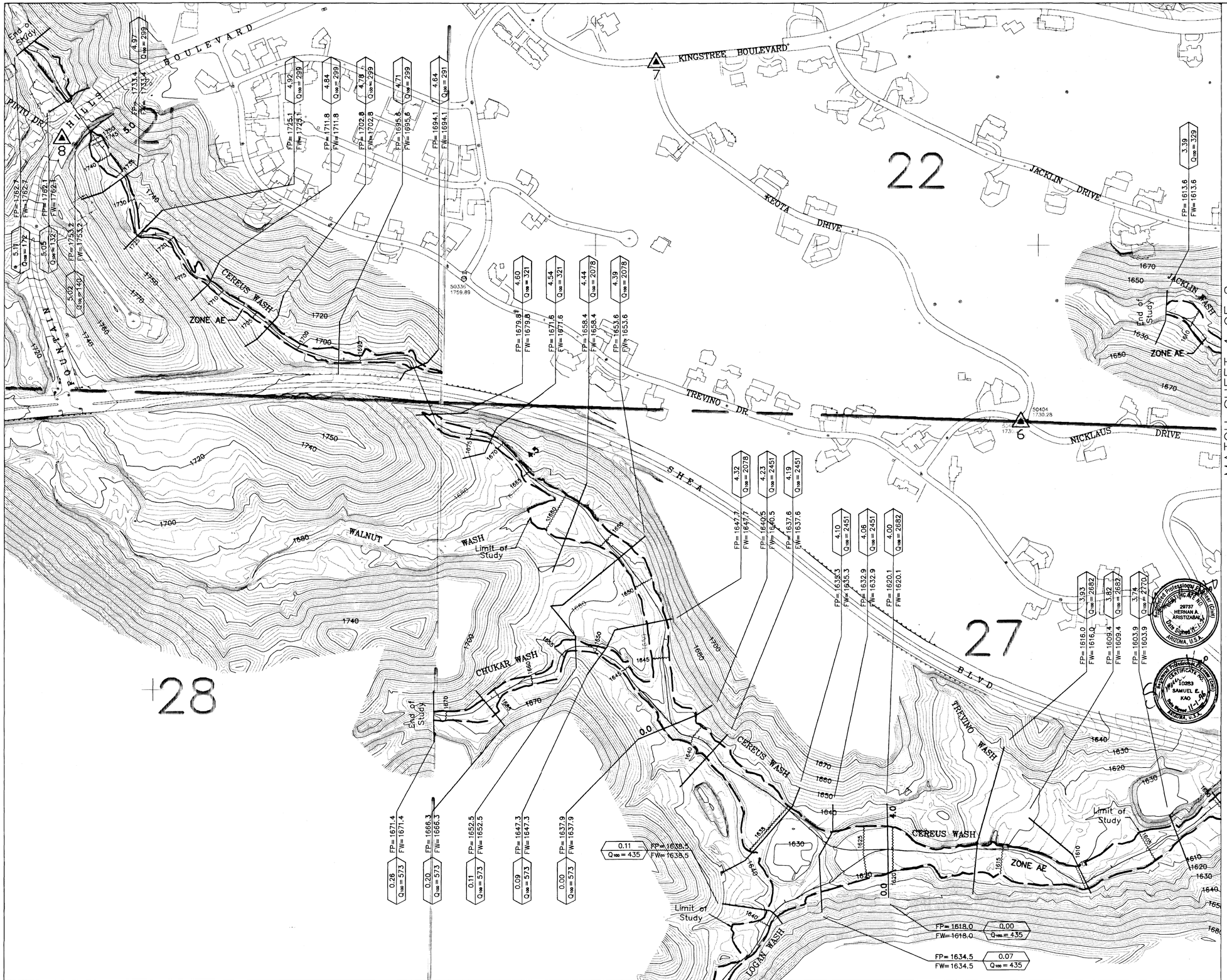
THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY ANDERSON-NELSON, INC.

MATCH SHEET 7A OF 8

MATCH SHEET 5 OF 8

MATCH SHEET 7B OF 8

MATCH SHEET 4 OF 8



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

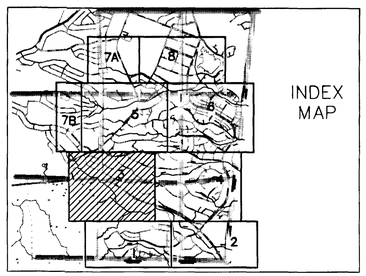
LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	FP= 1733.4 / FW=1733.4 — 4.97 / Q100 = 283
ELEVATION REFERENCE MARK	2
BASE FLOOD ELEVATIONS	1500
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
SECTION LINE	Section Boundary

ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
6	1730.16	TOP OF BOAT SPIKE, AT INTERSECTION OF NICKLAUS DRIVE AND KEOTA DRIVE, AT NORTH 1/4 SECTION CORNER OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST.
7	1782.62	TOP OF BRASS CAP, AT INTERSECTION OF KINGSTREE BOULEVARD AND KEOTA DRIVE, BEING IN THE SOUTHWEST 1/4 OF SECTION 22, TOWNSHIP 3 NORTH, RANGE 6 EAST.
8	1772.76	TOP OF BOAT SPIKE, AT INTERSECTION OF PINTO DRIVE AND FOUNTAIN HILLS BOULEVARD, BEING IN THE SOUTHEAST 1/4 OF SECTION 21, TOWNSHIP 3 NORTH, RANGE 6 EAST.



INDEX MAP

200 0' 200 400

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 8

Dwg. Name: C:\FTNHILLS\FH-03.DWG
Date: REV. NOV. 07, 1995 1:00pm

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

MATCH SHEET 1 OF 8

MATCH SHEET 6 OF 8

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

100-YR FLOODPLAIN BOUNDARY
FLOODWAY BOUNDARY
HYDRAULIC BASE LINE & RIVER MILE — 2.0
CROSS SECTION — FP=1733.4 / FW=1733.4 — 4.97 / Q100 = 283
ELEVATION REFERENCE MARK — 2
BASE FLOOD ELEVATIONS — 1500
ZONE DESIGNATIONS — ZONE AE
CORPORATE LIMITS — Corporate Limits
SECTION LINE — Section Boundary

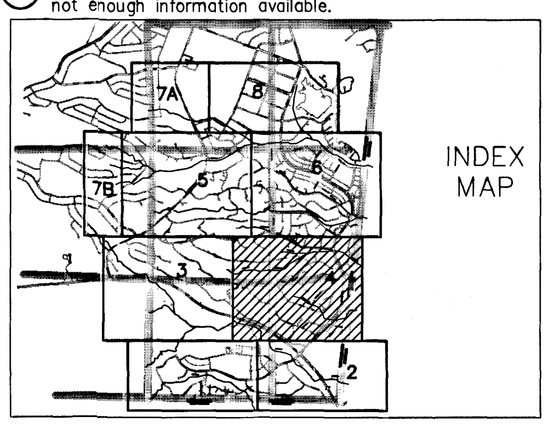
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
9	1551.77	TOP OF BOAT SPIKE, AT INTERSECTION OF MONTEREY DRIVE AND ROUGH CIRCLE, BEING IN THE NORTHWEST 1/4 OF SECTION 26, TOWNSHIP 3 NORTH, RANGE 6 EAST.
10	1564.01	TOP OF BRASS CAP, AT INTERSECTION OF INDIAN WELLS DRIVE AND ARMOUR COURT, BEING IN THE SOUTHWEST 1/4 OF SECTION 23, TOWNSHIP 3 NORTH, RANGE 6 EAST.
11	1643.42.	TOP OF BOAT SPIKE AT POINT OF CURVATURE OF CENTER LINE OF NICKLAUS DRIVE, 200 FEET WEST OF INDIAN WELLS, BEING AT THE NORTHEAST CORNER OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST.
12	1704.96	TOP OF BOAT SPIKE AT INTERSECTION OF NICKLAUS DRIVE AND NELSON DRIVE, BEING IN THE NORTHEAST 1/4 OF SECTION 27, TOWNSHIP 3 NORTH, RANGE 6 EAST.

NOTES

1. Cyprus Point Wash overtops Saguaro Blvd. The flow is diverted along Saguaro Blvd. (see Special Problems Section)
2. Flooding at Saguaro Blvd. flows from Kingstree Wash. (see Special Problems Section)
3. Kingstree Wash flow spill at this location. (see Special Problems Section)
4. No right floodplain boundary defined in this area. (see Special Problems Section)
5. This area may be inundated during a 100-Year flood, not enough information available.



200 0' 200 400
SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

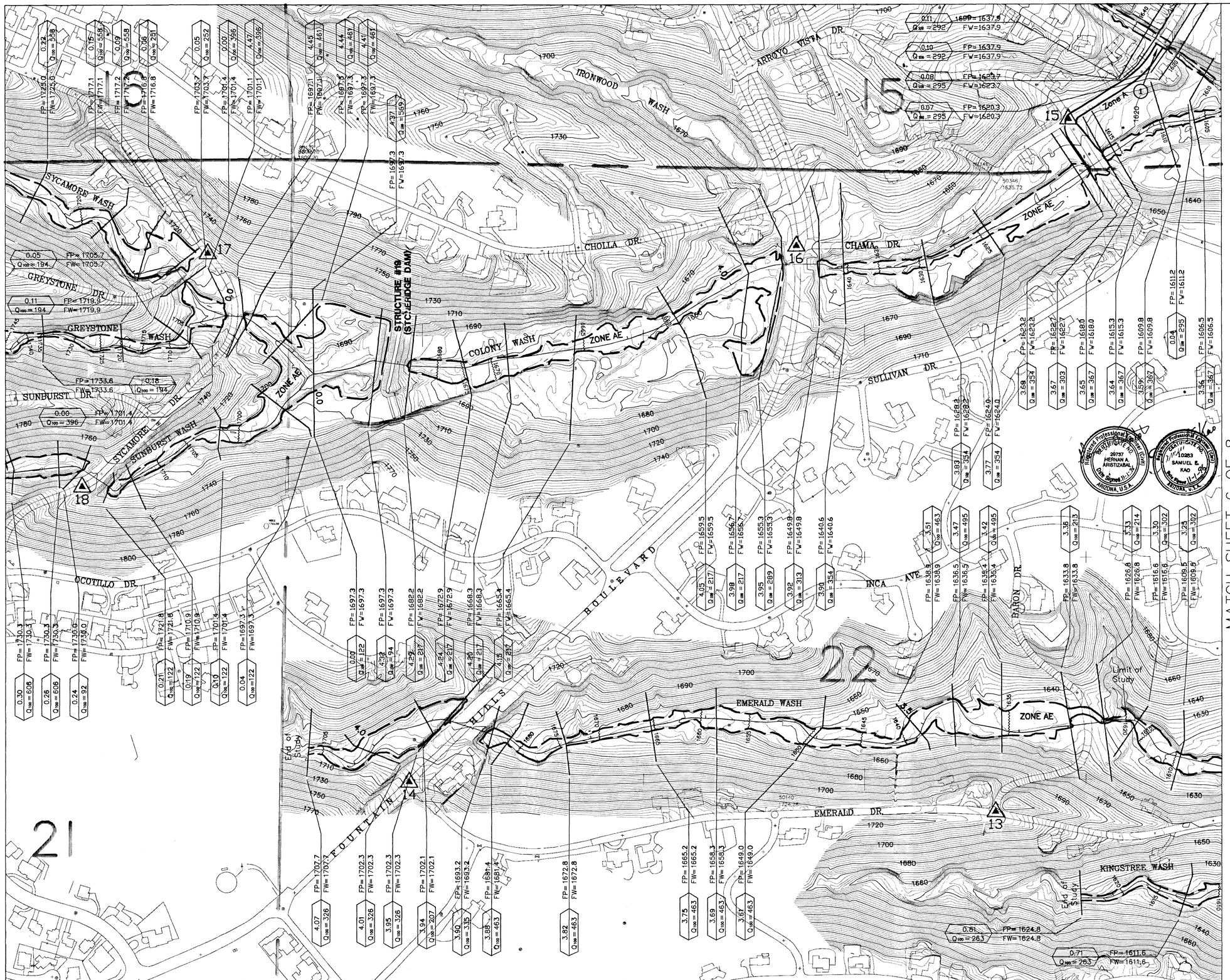
RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 8

Dwg. Name: C:\FTNHILLS\FH-04.DWG
Date: REV. NOV. 07, 1995 01:00pm

MATCH SHEET 8 OF 8

MATCH SHEET 7 OF 8



MATCH SHEET 6 OF 8

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE & RIVER MILE — 2.0
- CROSS SECTION — FP=1733.4 / FW=1733.4 — 4.97 / Q_{100} = 283
- ELEVATION REFERENCE MARK — 2
- BASE FLOOD ELEVATIONS — 1500
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- SECTION LINE — Section Boundary

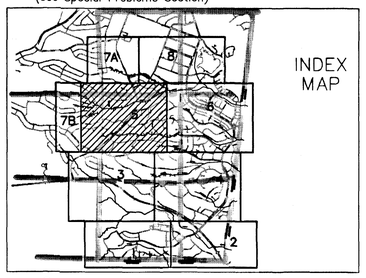
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
13	1710.57	TOP OF BRASS CAP, AT INTERSECTION OF EMERALD DRIVE AND BARON DRIVE, BEING IN THE SOUTHEAST 1/4 OF SECTION 22, TOWNSHIP 3 NORTH, RANGE 6 EAST.
14	1727.68	TOP OF BOAT SPIKE AT INTERSECTION OF EMERALD DR. AND FOUNTAIN FILLS BLVD. BEING IN THE SOUTHWEST 1/4 OF SECTION 22, TOWNSHIP 3 NORTH, RANGE 6 EAST.
15	1631.57	TOP OF BOAT SPIKE AT INTERSECTION OF CHAMA DRIVE AND ARROYO VISTA DRIVE, BEING IN THE SOUTHEAST 1/4 OF SECTION 15, TOWNSHIP 3 NORTH, RANGE 6 EAST.
16	1663.65	TOP OF BOAT SPIKE AT INTERSECTION OF CHAMA DR. AND FOUNTAIN HILLS BLVD. BEING IN THE NORTHWEST 1/4 OF SECTION 22, TOWNSHIP 3 NORTH, RANGE 6 EAST.
17	1714.61	TOP OF BRASS CAP AT INTERSECTION OF SYCAMORE DRIVE AND GREYSTONE DRIVE, BEING IN THE NORTHEAST 1/4 OF SECTION 21, TOWNSHIP 3 NORTH, RANGE 6 EAST.
18	1742.56	TOP OF BRASS CAP SOUTH OF POINT OF CURVATURE OF SYCAMORE DRIVE, 440 FEET SOUTH OF SUNBURST DRIVE, BEING IN THE NORTHEAST 1/4 OF SECTION 21, TOWNSHIP 3 NORTH, RANGE 6 EAST.

NOTES

1. North Colony Wash overtops Chama Drive. The flow is diverted along Chama and Arroyo drives. (see Special Problems Section)



200 0' 200 400

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

ACE ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 8

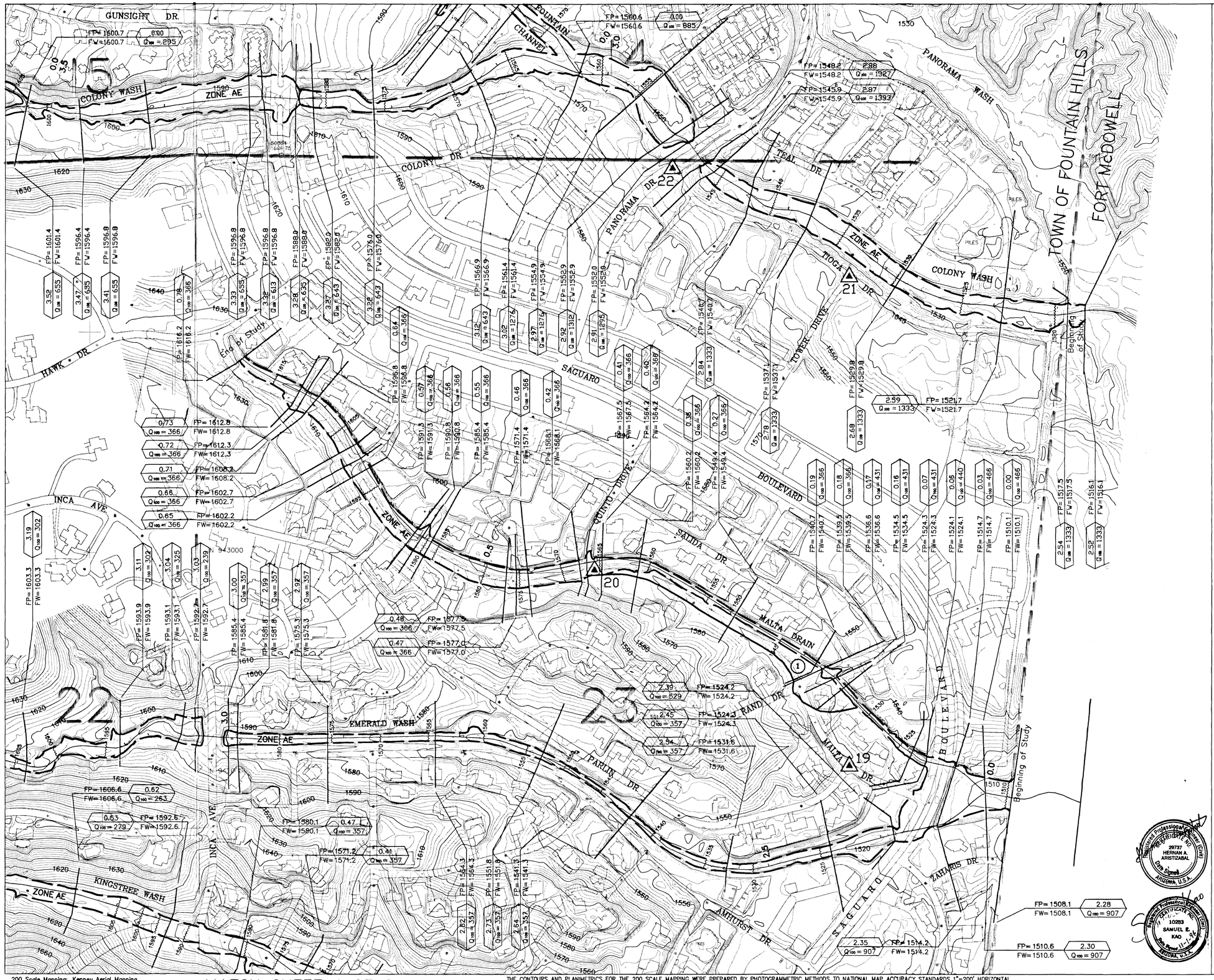
Dwg. Name: C:\FTNHILLS\FH-05.DWG
Date: REV. NOV. 07, 1995 1:00pm

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

MATCH SHEET 8 OF 8

MATCH SHEET 5 OF 8



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	FP= 1733.4 / FW=1733.4 — 4.97 / Q_{100} = 283
ELEVATION REFERENCE MARK	2
BASE FLOOD ELEVATIONS	1500
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
SECTION LINE	Section Boundary

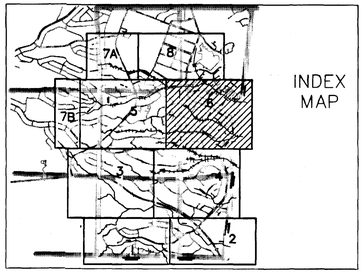
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
19	1537.91	TOP OF BOAT SPIKE AT INTERSECTION OF MALTA DRIVE AND PARLIN DRIVE, BEING IN THE NORTHEAST 1/4 OF SECTION 23, TOWNSHIP 3 NORTH, RANGE 6 EAST.
20	1564.81	TOP OF BRASS CAP, AT CENTER LINE OF MALTA DRIVE, 50 FEET EAST OF QUINTO DRIVE, BEING IN THE NORTHWEST 1/4 OF SECTOIN 23, TOWNSHIP 3 NORTH, RANGE 6 EAST.
21	1542.14	TOP OF BRASS CAP, AT INTERSECTION OF TIOGA DRIVE AND TOWER DRIVE, BEING IN THE NORTHEAST 1/4 OF SECTOIN 23, TOWNSHIP 3 NORTH, RANGE 6 EAST.
22	1560.08	TOP OF BRASS CAP, AT INTERSECTION OF PANORAMA DRIVE AND TIOGA DRIVE, BEING IN THE NORTHWEST 1/4 OF SECTOIN 23, TOWNSHIP 3 NORTH, RANGE 6 EAST.

NOTES

1. Community Designated Special Hazard. (See Special Problems Section)



200 0' 200 400

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 8

Registered Professional Engineer (Civil) CERTIFICATE NO. 29737 HERMAN A. ARISTIZABAL Date Signed 11-7-95 ARIZONA, U.S.A.

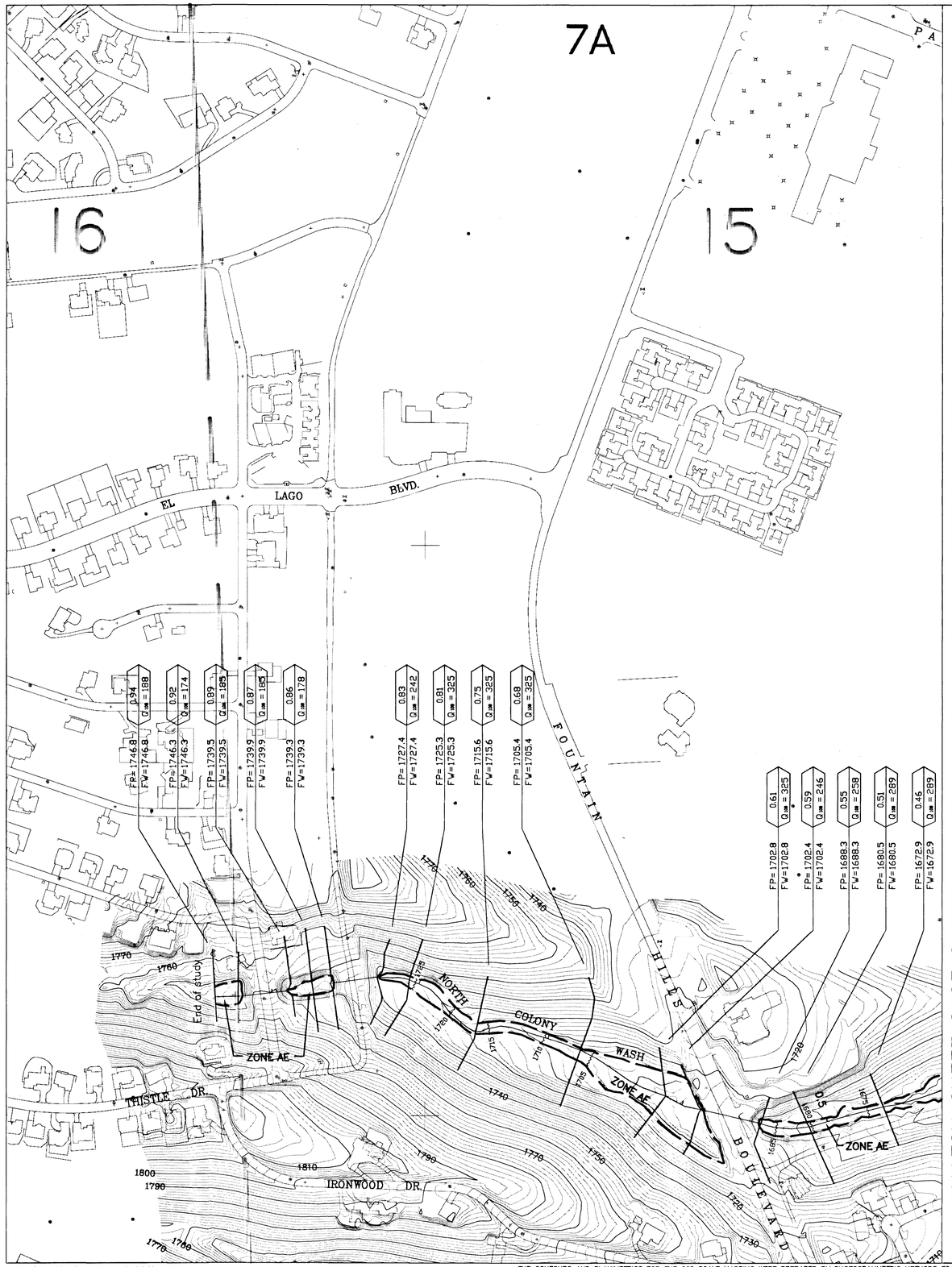
Registered Professional Engineer (Civil) CERTIFICATE NO. 10283 SAMUEL E. KAO Date Signed 11-7-95 ARIZONA, U.S.A.

Dwg. Name: C:\FTNHILLS\FH-06.DWG
Date: REV. NOV. 07, 1995 1:00pm

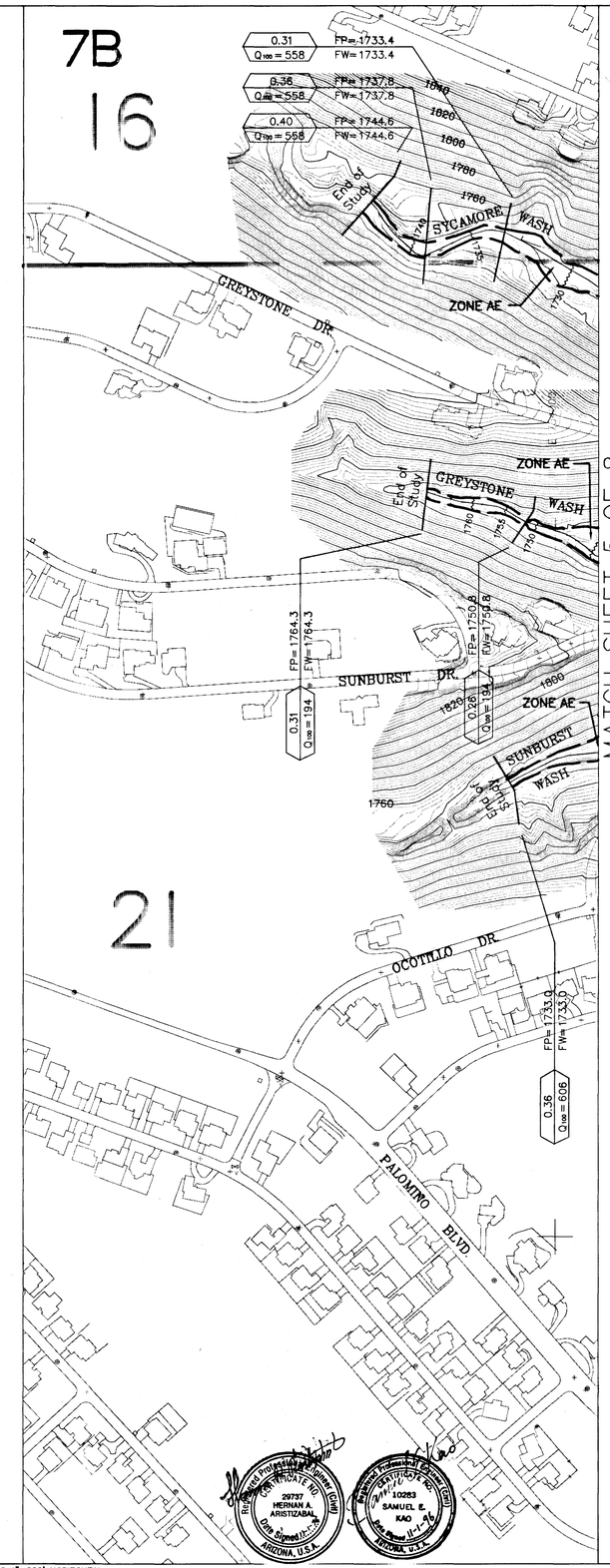
200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

MATCH SHEET 4 OF 8

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.



MATCH SHEET 8 OF 8



MATCH SHEET 5 OF 8

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

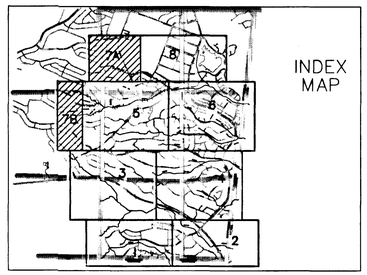
LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	FP= 1733.4 / FW=1733.4 — 4.97 / Q100 = 283
ELEVATION REFERENCE MARK	2
BASE FLOOD ELEVATIONS	1500
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
SECTION LINE	Section Boundary

ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION



200 0' 200 400
SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2568

	BY	DATE
DESIGN	HAA	6/95
DESIGN CHK.	SEK	6/95
PLANS	JDS	6/95
PLANS CHK.	HAA	6/95

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 7 OF 8

Dwg. Name: C:\FINHILLS\FH-07.DWG
Date: REV. NOV. 07, 1995 1:00pm

Registered Professional Engineer (Civil) CERTIFICATE NO. 29737 HERNAN A. ARISTIZABAL Date Signed 11-7-95 ARIZONA, U.S.A.

Registered Professional Engineer (Civil) CERTIFICATE NO. 10283 SAMUEL E. KAO Date Signed 11-7-95 ARIZONA, U.S.A.

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

200 Scale Mapping: Kenney Aerial Mapping
Flight Date = 8/91

THE CONTOURS AND PLANIMETRICS FOR THE 200 SCALE MAPPING WERE 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 ANDERSON-NELSON, INC.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF FOUNTAIN HILLS SOUTH

F.C.D. CONTRACT NO. FCD 92-05

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE & RIVER MILE	2.0
CROSS SECTION	FP= 1733.4 / FW=1733.4 — 4.97 / Q100 = 283
ELEVATION REFERENCE MARK	2
BASE FLOOD ELEVATIONS	1500
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
SECTION LINE	Section Boundary

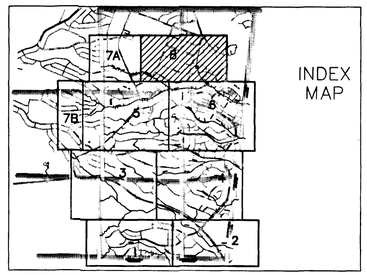
ELEVATION REFERENCE MARKS

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

I.D. NUM.	ELEV. (FT)	DESCRIPTION/LOCATION
23	1570.29	TOP OF BRASS CAP, AT INTERSECTION OF EL LAGO BOULEVARD AND TEAL DRIVE, BEING IN THE SOUTHWEST 1/4 OF SECTION 14, TOWNSHIP 3 NORTH, RANGE 6 EAST.
24	1648.97	TOP OF BOAT SPIKE AT INTERSECTION OF CHAMA DRIVE AND GUNSIGHT DRIVE, BEING IN THE SOUTHEAST 1/4 OF SECTION 15, TOWNSHIP 3 NORTH, RANGE 6 EAST.

NOTES

1. Fountain Channel East Bank overflows between x-sec 0.32 and 0.50. Excess flow runs into the Fountain Lake. (see Special Problems Section)



N

200 0' 200 400
SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

ENGINEERS, INC.
2255 NORTH 44TH STREET, SUITE 330
PHOENIX, ARIZONA 85008
TELEPHONE (602) 244-2566

	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN	HAA	6/95	
DESIGN CHK.	SEK	6/95	
PLANS	JDS	6/95	RECOMMENDED BY: DATE
PLANS CHK.	HAA	6/95	APPROVED BY: DATE
SUBMITTED BY: DATE:			CHIEF ENGINEER AND GENERAL MANAGER
			SHEET 8 OF 8

Dwg. Name: C:\FTNHILLS\FH-08.DWG
Date: REV. NOV. 07, 1995 1:00pm