



Federal Emergency Management Agency

Washington, D.C. 20472

JUN 21 1989

83-18

FLOOD CONTROL DISTRICT
RECEIVED

JUN 26 '89

DATE	P & PM
JUN 21	BYDND
JUN 21	EMDT
JUN 21	HE
JUN 21	RGAR
JUN 21	
JUN 21	

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Fred Koory, Jr.
Chairman, Maricopa County Board
of Supervisors
111 South Third Avenue
Phoenix, Arizona 85003

Dear Mr. Koory:

This is in response to letters dated March 28 and April 20, 1989, from Mr. D.E. Sagramoso, P.E., Floodplain Administrator, Flood Control District of Maricopa County (FCDMC), and Mr. George J. Geiser, P.E., Project Manager, Dames & Moore (D&M), respectively, regarding the effective Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) for Maricopa County, Arizona and Incorporated Areas, dated April 15, 1988.

With these letters, Messrs. Sagramoso and Geiser submitted additional data in response to our March 15, 1989, letter to Mr. Sagramoso. These data were requested to support Mr. Sagramoso's initial request, dated November 18, 1988, that the effective FIRM and FBFM for Maricopa County, Arizona and Incorporated Areas be revised to reflect the results of a detailed hydraulic analysis for the reach of the Gila River extending from Gillespie Dam to just downstream of Bullard Avenue.

With his April 20 letter, Mr. Geiser submitted the following additional data:

- o A report, entitled "Revised Final Report, Floodplain Delineation for a 30-Mile Reach of the Gila River, Arizona for the FCDMC," dated April 20, 1989, and prepared by D&M
- o Topographic Map Index and Sheets 1 through 34 of 34 of maps entitled "Floodplain Delineation, Gila River, Gillespie Dam to Bullard Avenue," dated May 1988, revised April 20, 1989, and prepared by D&M for the FCDMC
- o A HEC-2 computer model for the 10-, 50-, 100-, and 500-year flood profiles and 100-year floodway for the reach of the Gila River extending from Gillespie Dam to just downstream of Bullard Avenue, dated April 20, 1989, and prepared by D&M for the FCDMC

With his March 28 letter, Mr. Sagramoso also provided "as-built" plans for the bridges over the Gila River at Tuthill Road and Reems Road, and for the extension of the Arizona State Highway 85 (U.S. Highway 80) bridge, with "as-built" dates of July 10, 1981, November 3, 1988, and March 16, 1988 respectively. With a previous submittal, Mr. Sagramoso provided a technical report for the 30-mile reach being studied on the Gila River dated October 20, 1988; floodplain boundary delineation maps, dated May 1988; HEC-2 computer model for the 10-, 50-, 100-, and 500-year flood profiles and 100-year floodway for the study reach, dated October 18, 1988.

We have completed our review of the data submitted and have determined that the data shown on the topographic maps and in the report and HEC-2 model, all dated April 20, 1989, represent the best available flood data for this 30-mile reach of the Gila River. We will include this information in the planned 1990 preliminary physical map revision for Maricopa County, Arizona and Incorporated Areas. Please note that this information will not be reflected on the current Preliminary FIRM for Maricopa County, Arizona and Incorporated Areas, which is scheduled to be effective in September 1989. The City of Goodyear, the Town of Buckeye, and Maricopa County may utilize these data in their floodplain management programs.

If you have any questions regarding this matter, please contact Mr. Alan Johnson of my staff in Washington, D.C., at (202) 646-3403.

Sincerely,



John L. Matticks

Chief, Risk Studies Division
Federal Insurance Administration

cc: The Honorable Chauncey Coor
Mayor, City of Goodyear

The Honorable Joe Schettino
Mayor, Town of Buckeye

Mr. D.E. Sagramoso, P.E.
Floodplain Administrator, FCDMC

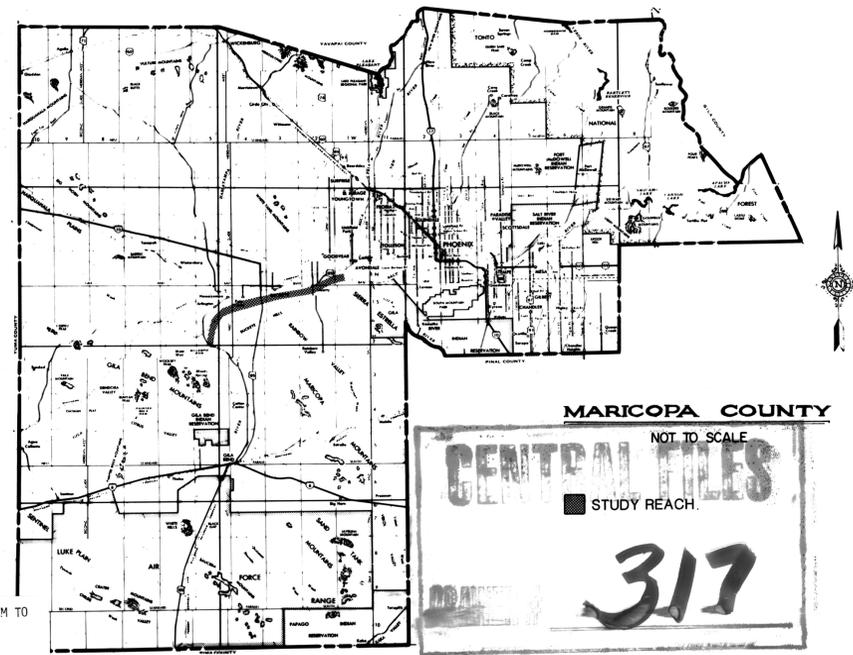
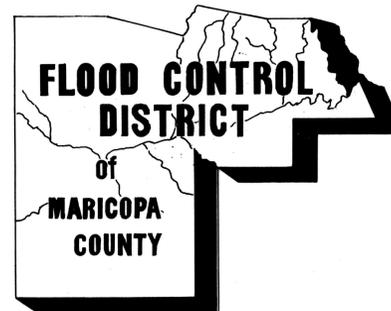
Mr. George J. Geiser, P.E.
D&M

Mr. Joe Tram
FCDMC

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION MAPS

FOR GILA RIVER GILLESPIE DAM TO BULLARD AVENUE



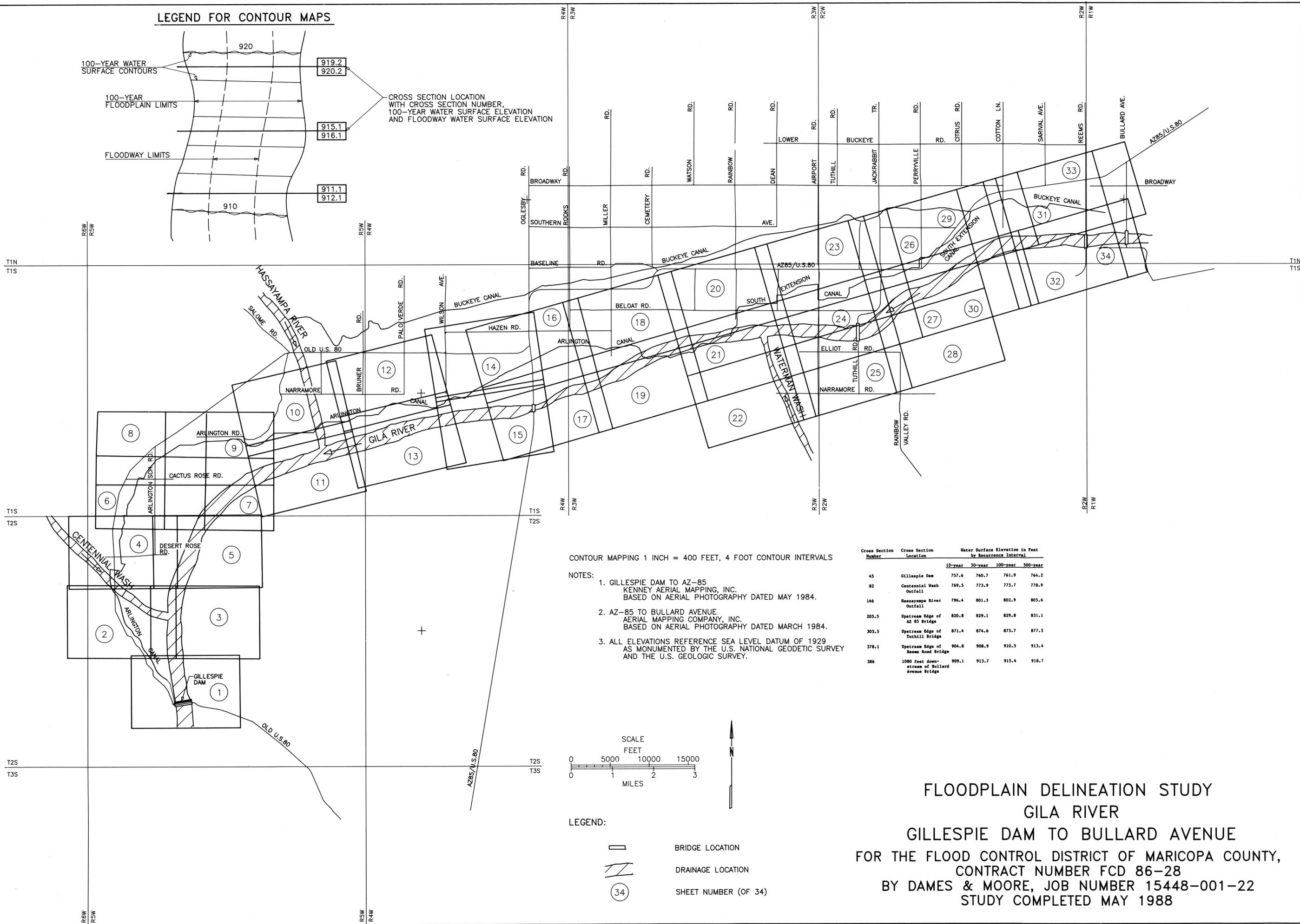
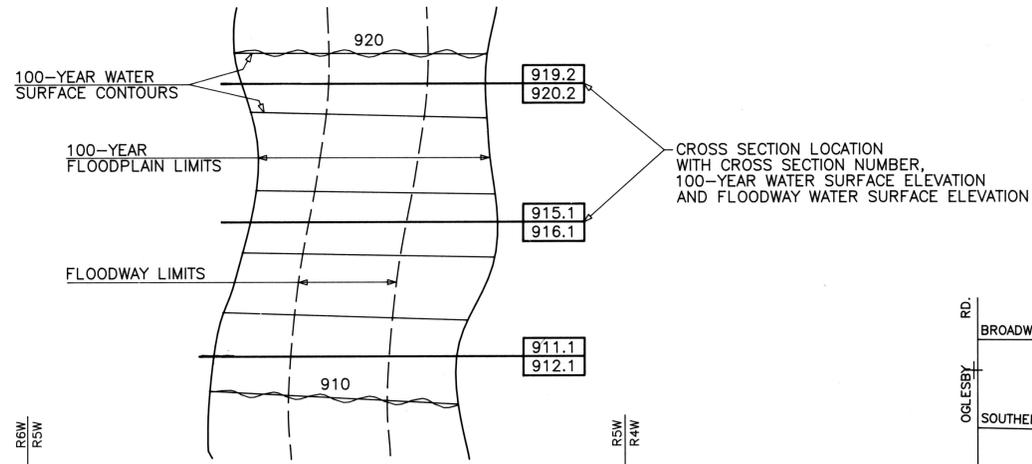
D. E. SAGRAMOSO P. E.
CHIEF ENGINEER & GENERAL MANAGER

SEE INDEX SHEET FOR LEGEND, MAP INDEX AND REFERENCES			FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
BY	DATE	FLOODPLAIN DELINEATION		
DELINEATION		GILA RIVER		
REVIEW		GILLESPIE DAM TO BULLARD AVENUE		
PRINTOUT		RECOMMENDED BY:	DATE	
REVIEW		BY DAMES & MOORE	MAY, 1988	
		APPROVED BY:	DATE	
		CHIEF ENGINEER AND GENERAL MANAGER	DATE	

F.C.D. CONTRACT NO. 86-28

GILA RIVER/GILLESPIE DAM TO BULLARD AVE FPD
DAMES & MOORE
STUDY 1988
FCD 86-28

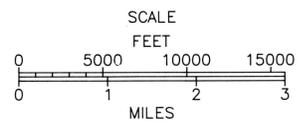
LEGEND FOR CONTOUR MAPS



CONTOUR MAPPING 1 INCH = 400 FEET, 4 FOOT CONTOUR INTERVALS

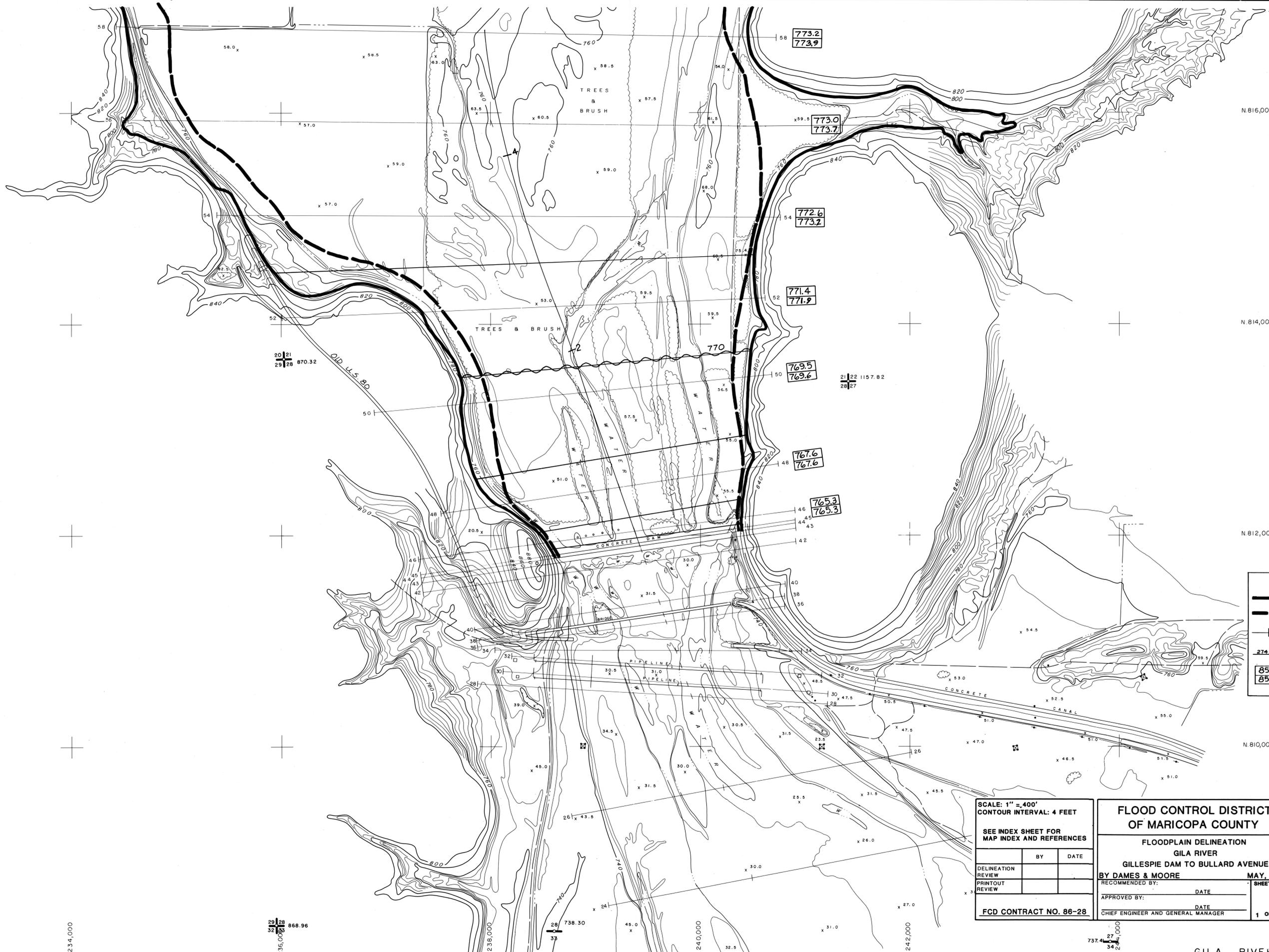
- NOTES:
1. GILLESPIE DAM TO AZ-85
KENNEY AERIAL MAPPING, INC.
BASED ON AERIAL PHOTOGRAPHY DATED MAY 1984.
 2. AZ-85 TO BULLARD AVENUE
AERIAL MAPPING COMPANY, INC.
BASED ON AERIAL PHOTOGRAPHY DATED MARCH 1984.
 3. ALL ELEVATIONS REFERENCE SEA LEVEL DATUM OF 1929
AS MONUMENTED BY THE U.S. NATIONAL GEODETIC SURVEY
AND THE U.S. GEOLOGIC SURVEY.

Cross Section Number	Cross Section Location	Water Surface Elevation in Feet by Recurrence Interval			
		10-year	50-year	100-year	500-year
45	Gillespie Dam	757.6	760.7	761.9	764.2
82	Centennial Wash Outfall	769.5	773.9	775.7	778.9
146	Hassayampa River Outfall	796.4	801.3	802.9	805.6
205.5	Upstream Edge of AZ 85 Bridge	820.8	829.1	829.8	831.1
303.5	Upstream Edge of Tutthill Bridge	871.4	874.6	875.7	877.5
378.1	Upstream Edge of Kame Road Bridge	904.8	908.9	910.5	913.4
386	1080 feet downstream of Bullard Avenue Bridge	909.1	913.7	915.4	918.7



- LEGEND:
- BRIDGE LOCATION
 - DRAINAGE LOCATION
 - SHEET NUMBER (OF 34)

FLOODPLAIN DELINEATION STUDY
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE
 FOR THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY,
 CONTRACT NUMBER FCD 86-28
 BY DAMES & MOORE, JOB NUMBER 15448-001-22
 STUDY COMPLETED MAY 1988



N 816,000

N 814,000

N 812,000

N 810,000

E. 234,000

29 | 28 868.96
32 | 28

28 | 33 738.30

E. 240,000

E. 242,000

27 | 000
34 | 27
34 | 27

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

RECOMMENDED BY:	DATE	MAY, 1988
APPROVED BY:	DATE	

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 1 OF 34

SCALE 1"=400'

12 | 7 FOUND
13 | 18

7 | 8 NOT FOUND
18 | 17

PHOTOGRAPHY 5/11/84

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	2 of 34
CHIEF ENGINEER AND GENERAL MANAGER		

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET

804.43
 12
 13
 18



SCALE 1"=400'

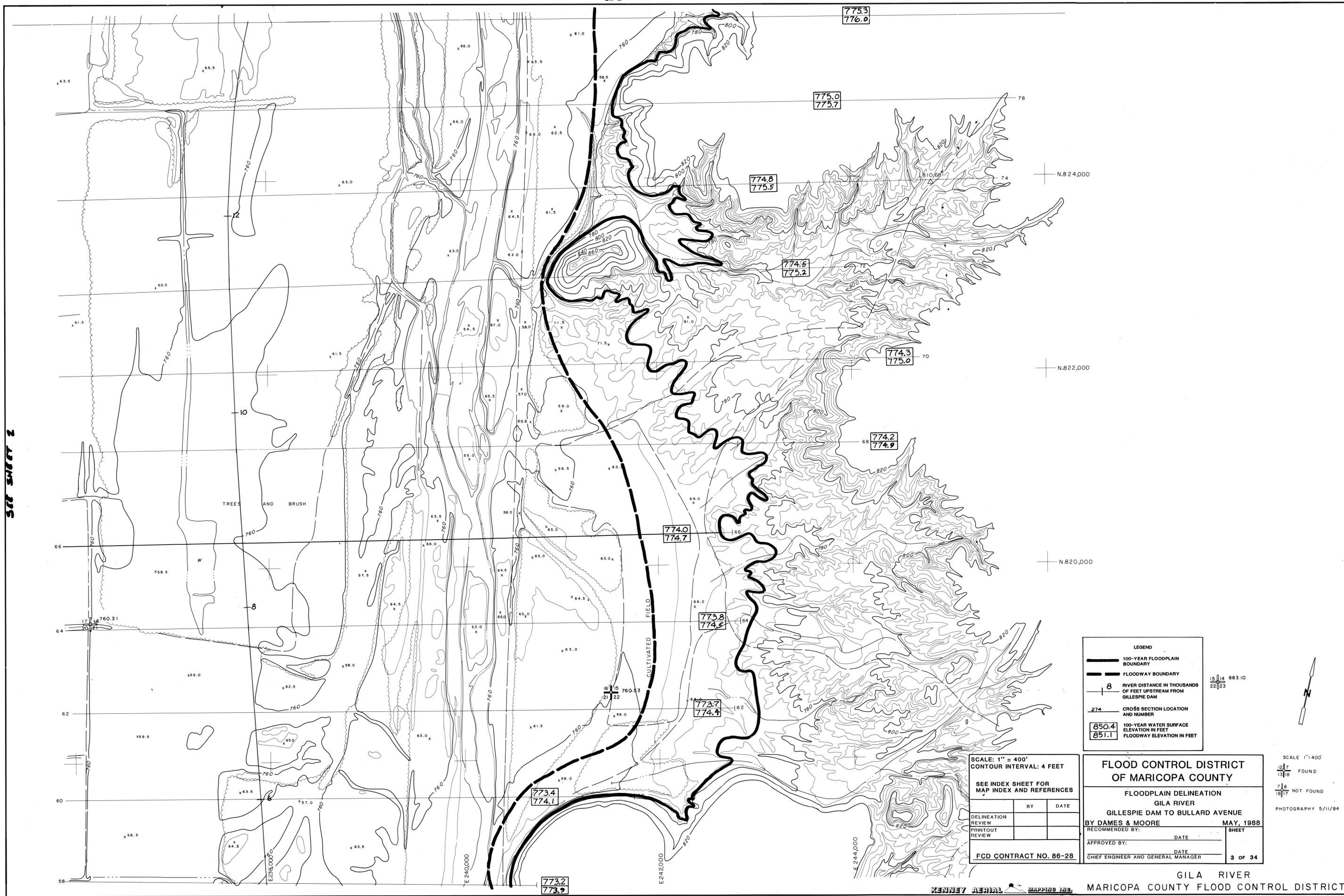
12/13 FOUND

7/8 NOT FOUND

PHOTOGRAPHY 5/11/84

SEE SHEET 5

SEE SHEET 2



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
FLOODWAY ELEVATION IN FEET



SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY: _____ SHEET

APPROVED BY: _____ DATE _____
CHIEF ENGINEER AND GENERAL MANAGER

3 of 34

SCALE 1"=400'

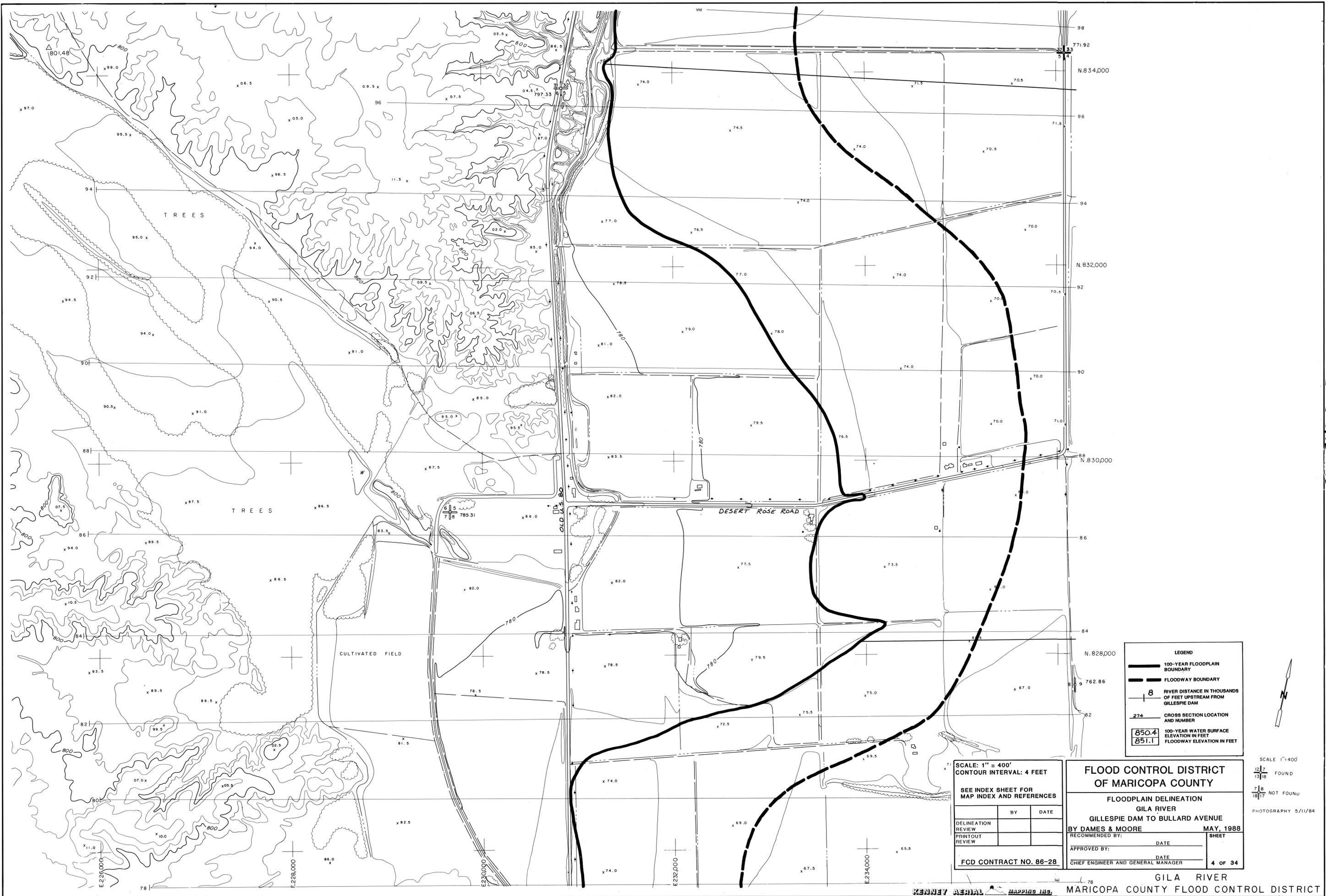
12/7 FOUND
13/8 FOUND
7/8 NOT FOUND
18/17 NOT FOUND

PHOTOGRAPHY 5/11/84

SEE SHEET 1

KENNEY AERIAL MAPPING INC.

GILA RIVER MARICOPA COUNTY FLOOD CONTROL DISTRICT



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET FLOODWAY ELEVATION IN FEET



SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

	BY	DATE
DELINEATION REVIEW		
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

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

SCALE 1"=400'
12/7 FOUND
13/18
7/8 NOT FOUND
18/17
PHOTOGRAPHY 5/11/84

GILA RIVER
MARICOPA COUNTY FLOOD CONTROL DISTRICT

SEE SHEET 5



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET



SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

REVIEW	BY	DATE
DELINEATION		
REVIEW		
PRINTOUT		
REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY 1988

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

SCALE 1"=400'
 12/13/87 FOUND
 7/8/18/17 NOT FOUND
 PHOTOGRAPHY 5/11/84



N. 840,000
 N. 838,000
 N. 836,000

E. 232,000

E. 234,000

E. 236,000

E. 238,000

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- 8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- 274 CROSS SECTION LOCATION AND NUMBER
- 850.4 100-YEAR WATER SURFACE ELEVATION IN FEET
- 851.1 FLOODWAY ELEVATION IN FEET



SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	8 OF 34
CHIEF ENGINEER AND GENERAL MANAGER		

SCALE 1"=400'
 12 1/2 FOUND
 7 1/8 NOT FOUND
 PHOTOGRAPHY 5/11/84

SEE SHEET 6



LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET



SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

	BY	DATE
DELINEATION REVIEW		
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE	MAY, 1988
RECOMMENDED BY:	DATE
APPROVED BY:	DATE
CHIEF ENGINEER AND GENERAL MANAGER	

SHEET
 7 OF 34

SCALE 1"=400'
 12 7/8 FOUND
 7 8/17 NOT FOUND
 PHOTOGRAPHY 5/11/84

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION	BY	DATE
REVIEW		
PRINTOUT		
REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	9 OF 34
CHIEF ENGINEER AND GENERAL MANAGER		

LEGEND

— 100-YEAR FLOODPLAIN BOUNDARY

— FLOODWAY BOUNDARY

8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM

274 CROSS SECTION LOCATION AND NUMBER

850.4 100-YEAR WATER SURFACE ELEVATION IN FEET

851.1 FLOODWAY ELEVATION IN FEET



SEE SHEET 8

SEE SHEET 10

SEE SHEET 11

SCALE 1" = 400'

12	7	FOUND
13	16	
7	8	NOT FOUND
18	17	

PHOTOGRAPHY 5/11/84

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION	BY	DATE
REVIEW		
PRINTOUT		
REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

RECOMMENDED BY: **BY DAMES & MOORE** DATE: **MAY, 1988**

APPROVED BY: _____ DATE: _____ SHEET: _____

CHIEF ENGINEER AND GENERAL MANAGER

9 OF 34

LEGEND

— 100-YEAR FLOODPLAIN BOUNDARY

--- FLOODWAY BOUNDARY

8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM

274 CROSS SECTION LOCATION AND NUMBER

850.4 100-YEAR WATER SURFACE ELEVATION IN FEET

851.1 FLOODWAY ELEVATION IN FEET



SEE SHEET 8

SEE SHEET 10

SEE SHEET 11

SCALE 1"=400'

12	7	FOUND
13	18	
7	8	NOT FOUND
18	17	

PHOTOGRAPHY 5/11/84

LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY JAMES & MOORE
RECOMMENDED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
CHIEF ENGINEER AND GENERAL MANAGER

MAY, 1988
SHEET 10 OF 34



SEE SHEET 9

SEE SHEET 12

SCALE 1"=400'

12	7	FOUND
13	18	
7	8	NOT FOUND
18	17	

PHOTOGRAPHY 5/11/84

SEE SHEET 11



LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE
RECOMMENDED BY: _____ DATE: _____

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

MAY, 1988
SHEET 11 OF 34

SCALE 1"=400'

13/7 FOUND
13/8

7/8 NOT FOUND
18/17

PHOTOGRAPHY 5/11/84

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET
 SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**
 FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE
 BY DAMES & MOORE MAY, 1988
 SHEET
 12 OF 34

DELINEATION REVIEW BY DATE
 PRINTOUT REVIEW BY DATE
 FCD CONTRACT NO. 86-28

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



SEE SHEET 10

SEE SHEET 14

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET

SCALE 1"=400'
 12/13 FOUND
 7/18 NOT FOUND
 PHOTOGRAPHY 5/11/84

GILA RIVER
 MARICOPA COUNTY FLOOD CONTROL DISTRICT

SEE SHEET 13

SEE SHEET 11

SEE SHEET 15



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINERATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

RECOMMENDED BY: **BY DAMES & MOORE** DATE: **MAY, 1988**

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

SHEET **13** OF **34**

SCALE 1"=400'

12/7 FOUND
13/18

7/8 NOT FOUND
18/17

PHOTOGRAPHY 5/11/84

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

**FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE**

RECOMMENDED BY: **DAMES & MOORE** DATE: **MAY, 1988**

APPROVED BY: _____ DATE: _____ SHEET: **14 OF 34**

CHIEF ENGINEER AND GENERAL MANAGER

LEGEND

100-YEAR FLOODPLAIN BOUNDARY

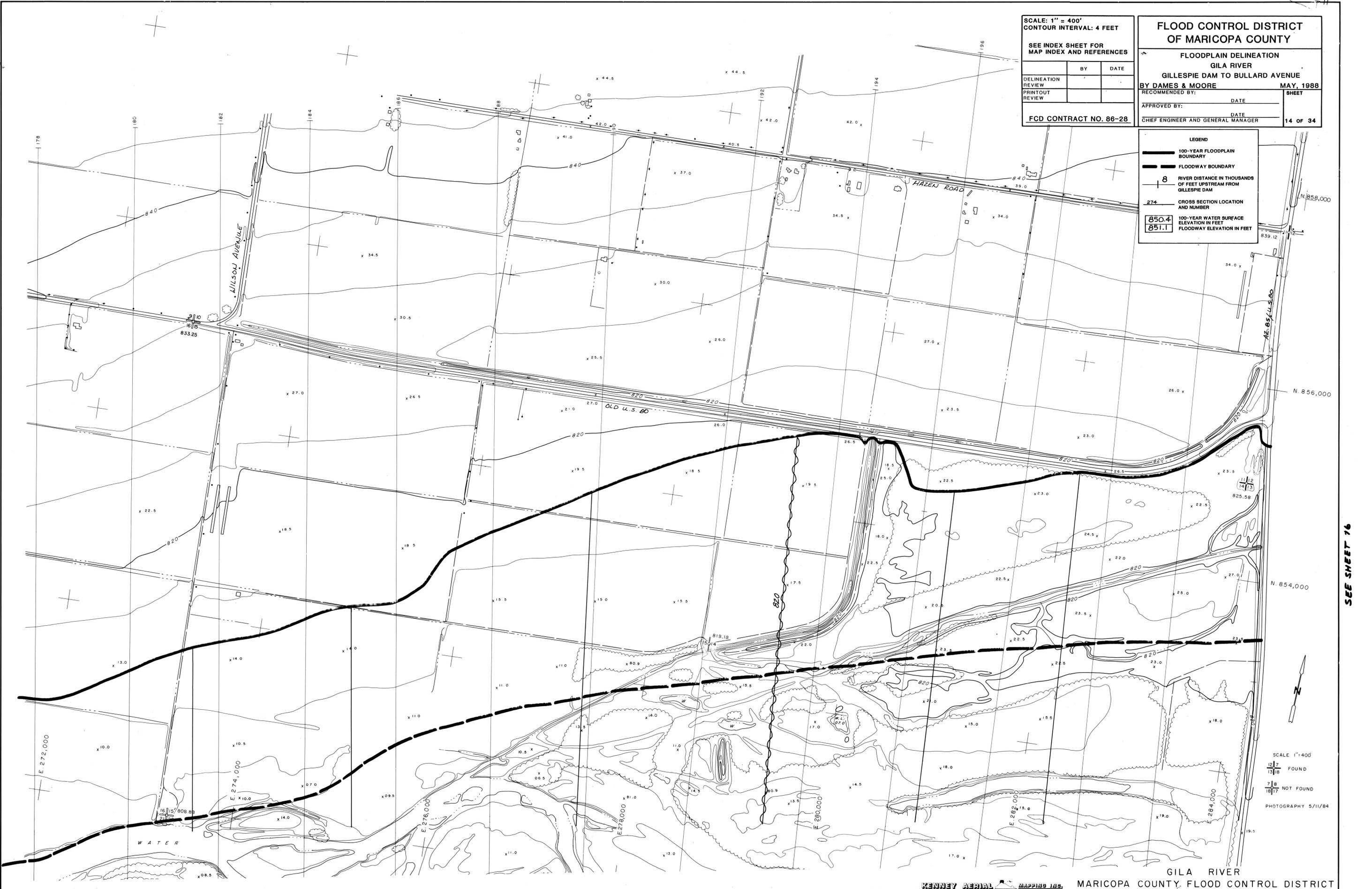
FLOODWAY BOUNDARY

8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM

274 CROSS SECTION LOCATION AND NUMBER

850.4 100-YEAR WATER SURFACE ELEVATION IN FEET

851.1 FLOODWAY ELEVATION IN FEET



SEE SHEET 12

SEE SHEET 16



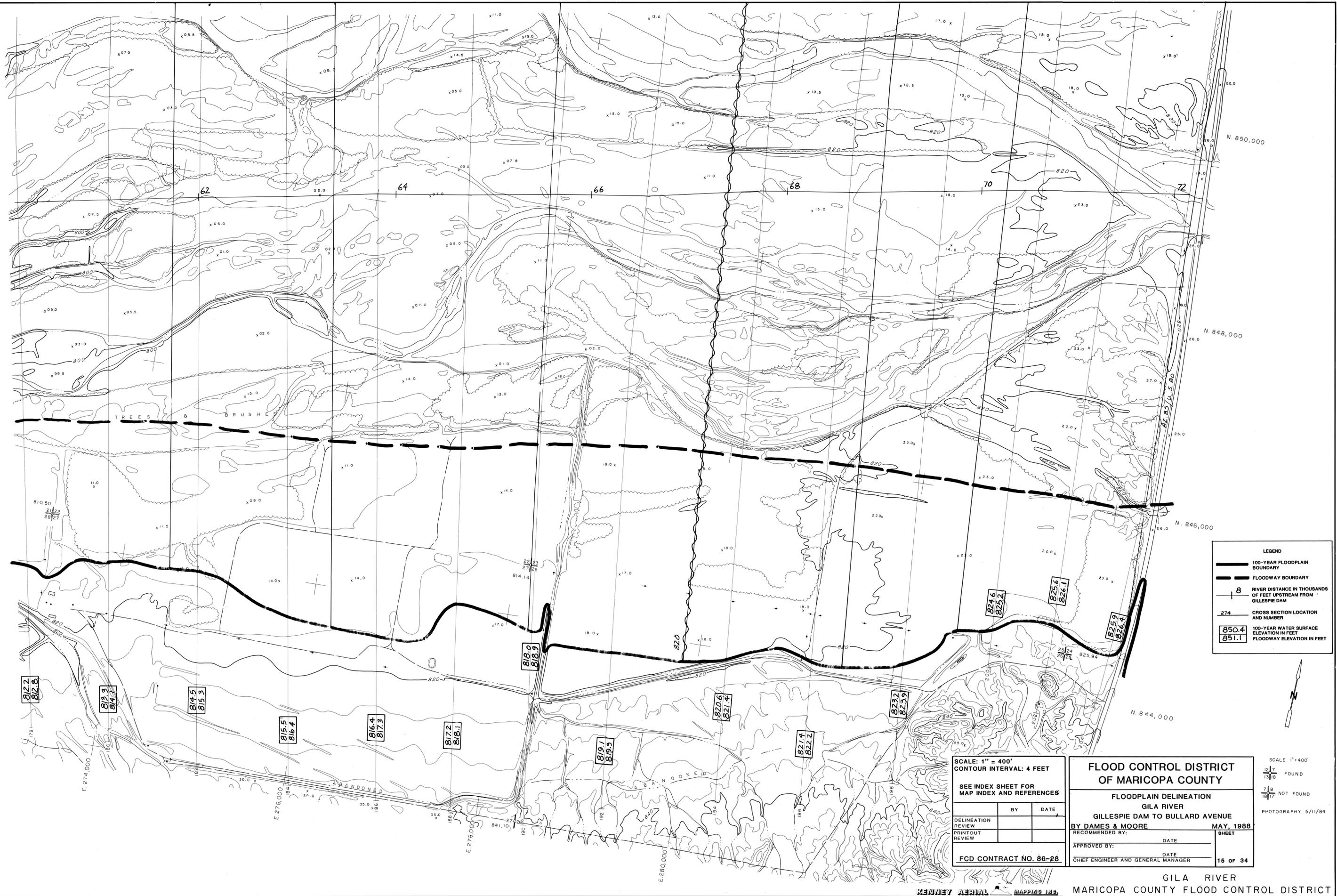
SCALE 1"=400'

12	7	FOUND
13	18	
7	8	NOT FOUND
18	17	

PHOTOGRAPHY 5/11/84

SEE SHEET 13

SEE SHEET 17



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- 8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- 274 CROSS SECTION LOCATION AND NUMBER
- 850.4 100-YEAR WATER SURFACE ELEVATION IN FEET
- 851.1 FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

REVIEW	BY	DATE
DELINEATION		
REVIEW		
PRINTOUT		
REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

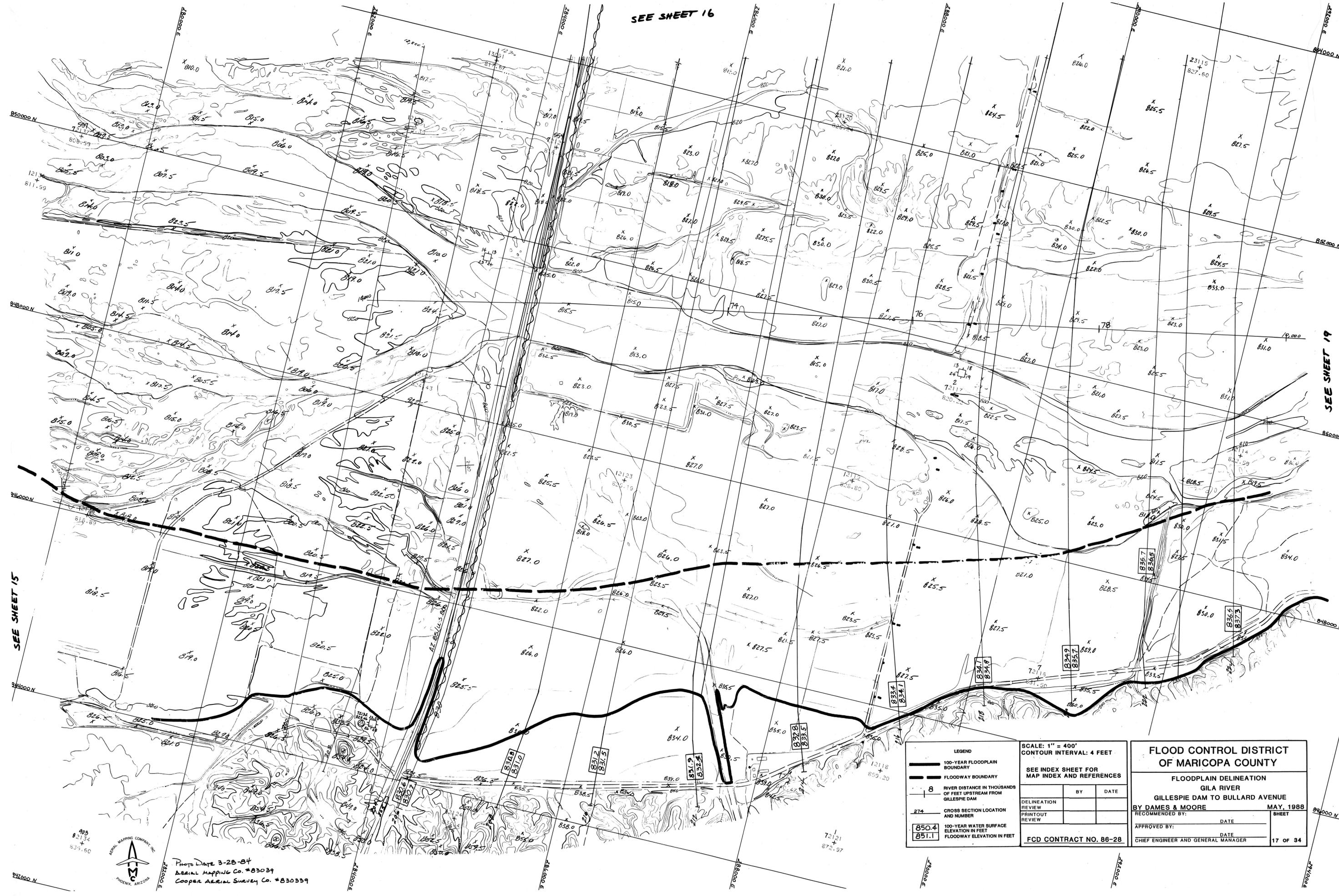
BY DAMES & MOORE MAY, 1988

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

SCALE 1"=400'
 12/18 FOUND
 7/8 NOT FOUND
 PHOTOGRAPHY 5/11/84

SEE SHEET 16

SEE SHEET 19



SEE SHEET 15

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- 8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- 274 CROSS SECTION LOCATION AND NUMBER
- 850.4 100-YEAR WATER SURFACE ELEVATION IN FEET
- 851.1 FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	17 OF 34

CHIEF ENGINEER AND GENERAL MANAGER

Photo Date 3-28-84
Aerial Mapping Co. #83039
Cooper Aerial Survey Co. #830339



903
821.34
839.60

12118
859.20
73121
272.97



SEE SHEET 16

SEE SHEET 20

SEE SHEET 19

LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

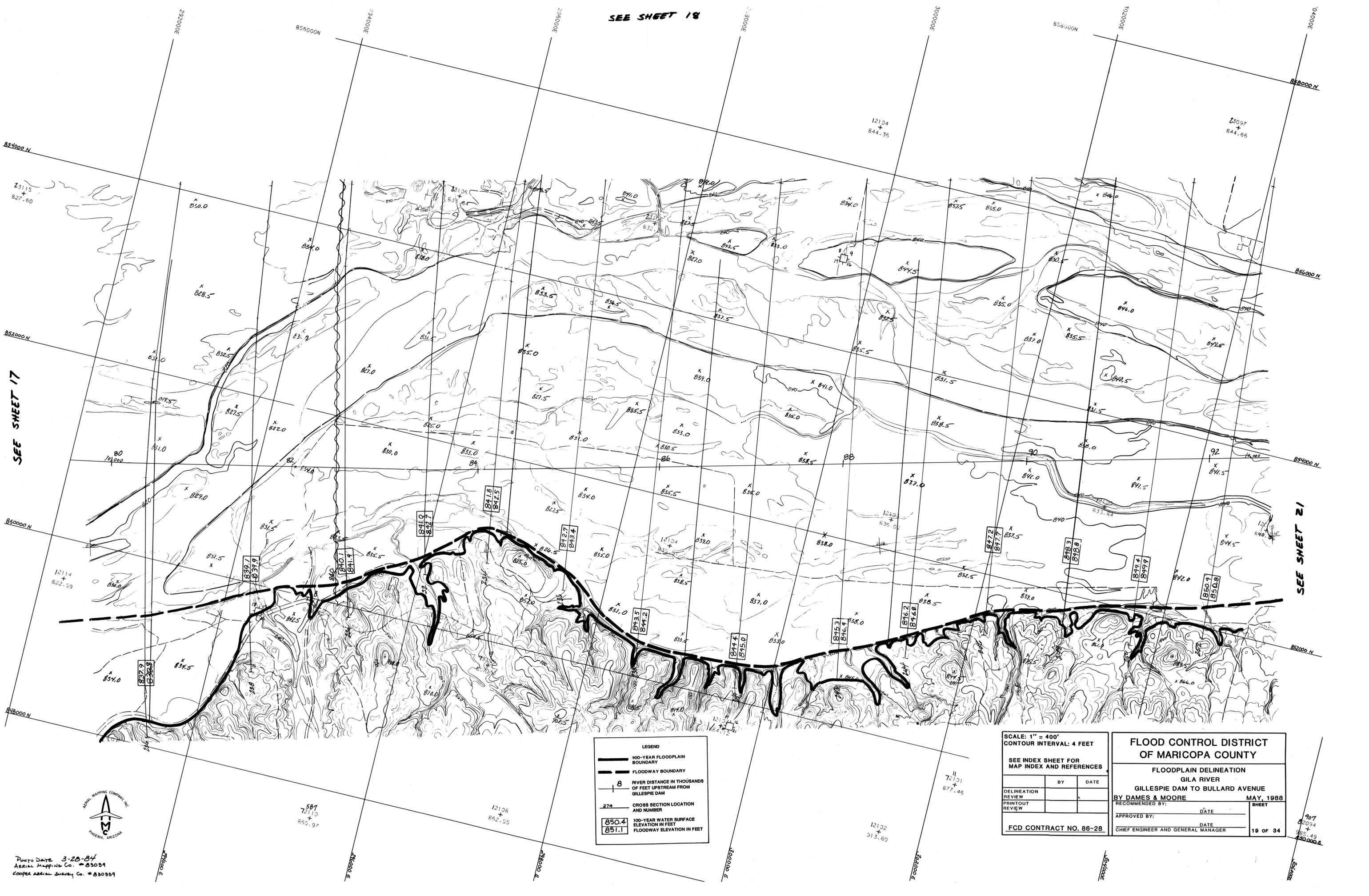
FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE
BY DAMES & MOORE
RECOMMENDED BY: DATE SHEET

APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER



PHOTO DATE 3-28-84
AERIAL MAPPING CO. #B3029
COOPER AERIAL SURVEY CO. #B3039

SEE SHEET 18



SEE SHEET 17

SEE SHEET 21

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY: _____ DATE _____ SHEET _____

APPROVED BY: _____ DATE _____

CHIEF ENGINEER AND GENERAL MANAGER 19 OF 34



PHOTO DATE 3-28-84
 Aerial Mapping Co. #83039
 COOPER AERIAL SURVEY Co. #830359

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- 8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- 274 CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

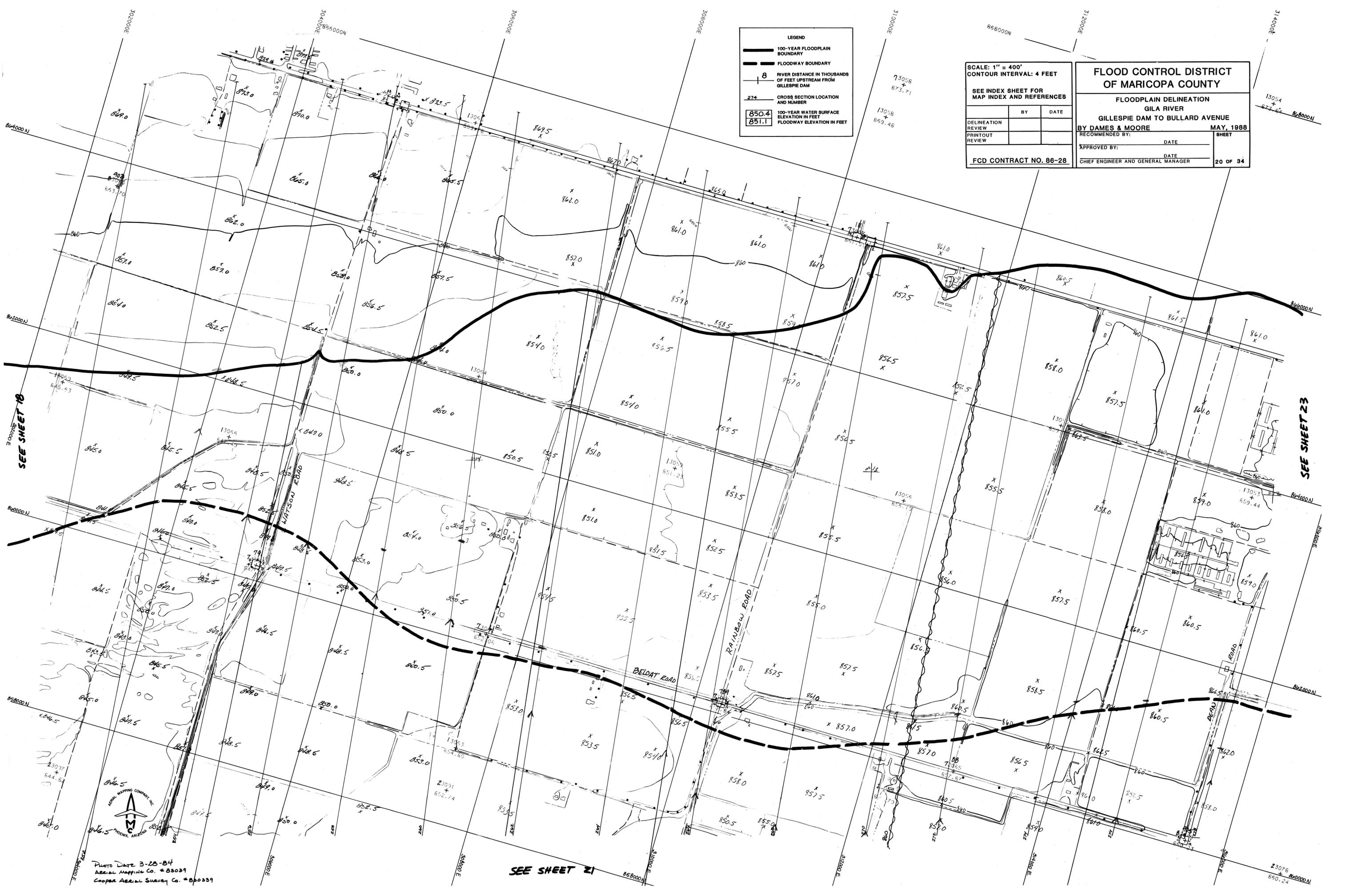
FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988
RECOMMENDED BY: _____ SHEET
APPROVED BY: _____ DATE _____
CHIEF ENGINEER AND GENERAL MANAGER

20 OF 34



SEE SHEET 18

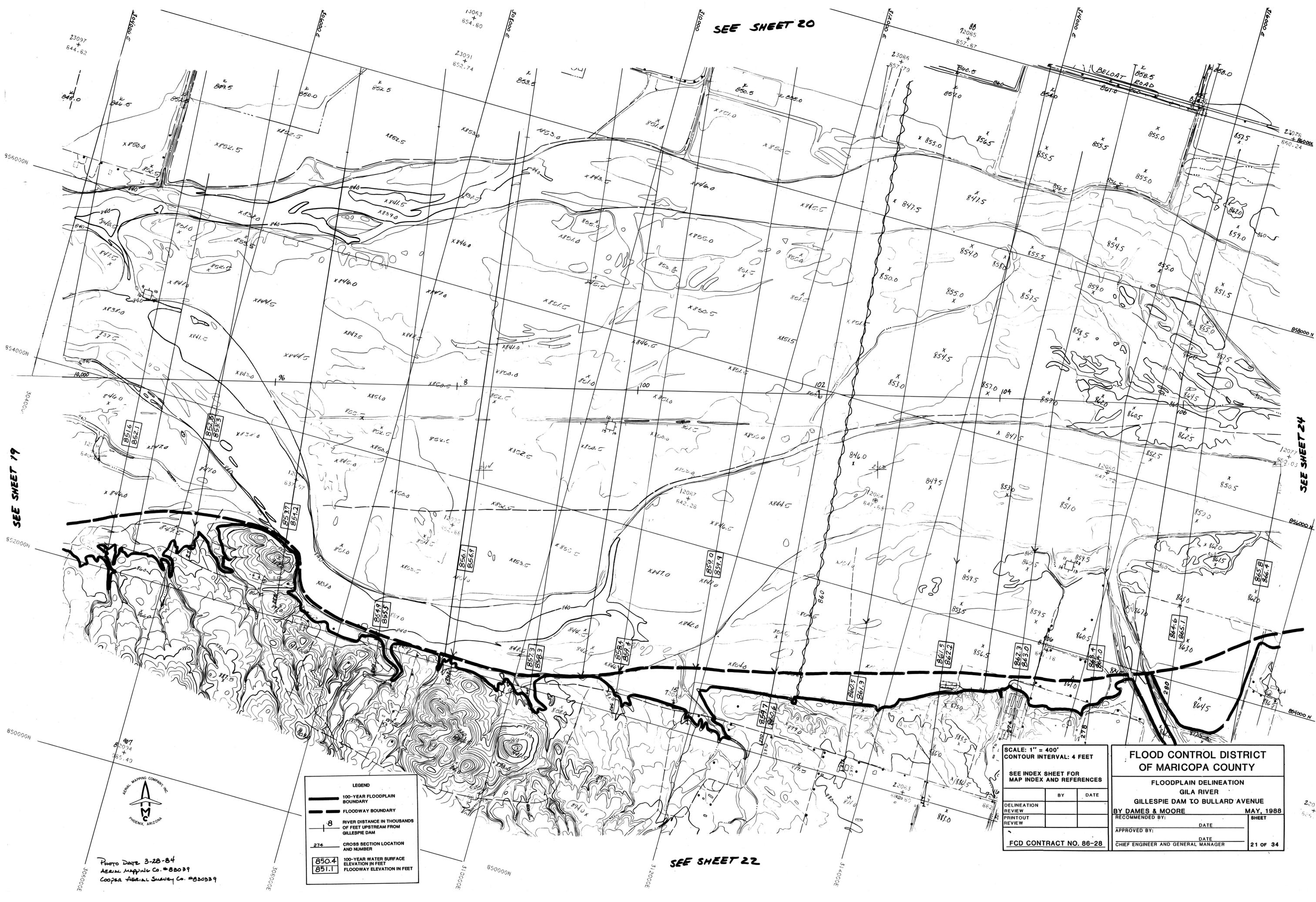
SEE SHEET 23

SEE SHEET 21



PHOTO DATE 3-20-84
Aerial Mapping Co. #B0029
Cooper Aerial Survey Co. #B0039

SEE SHEET 20



SEE SHEET 19

SEE SHEET 24

SEE SHEET 22

Photo Date 3-28-84
Aerial Mapping Co. #82039
Cooper Aerial Survey Co. #82039



LEGEND	
	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
MAP INDEX AND REFERENCES

	BY	DATE
DELINEATION REVIEW		
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

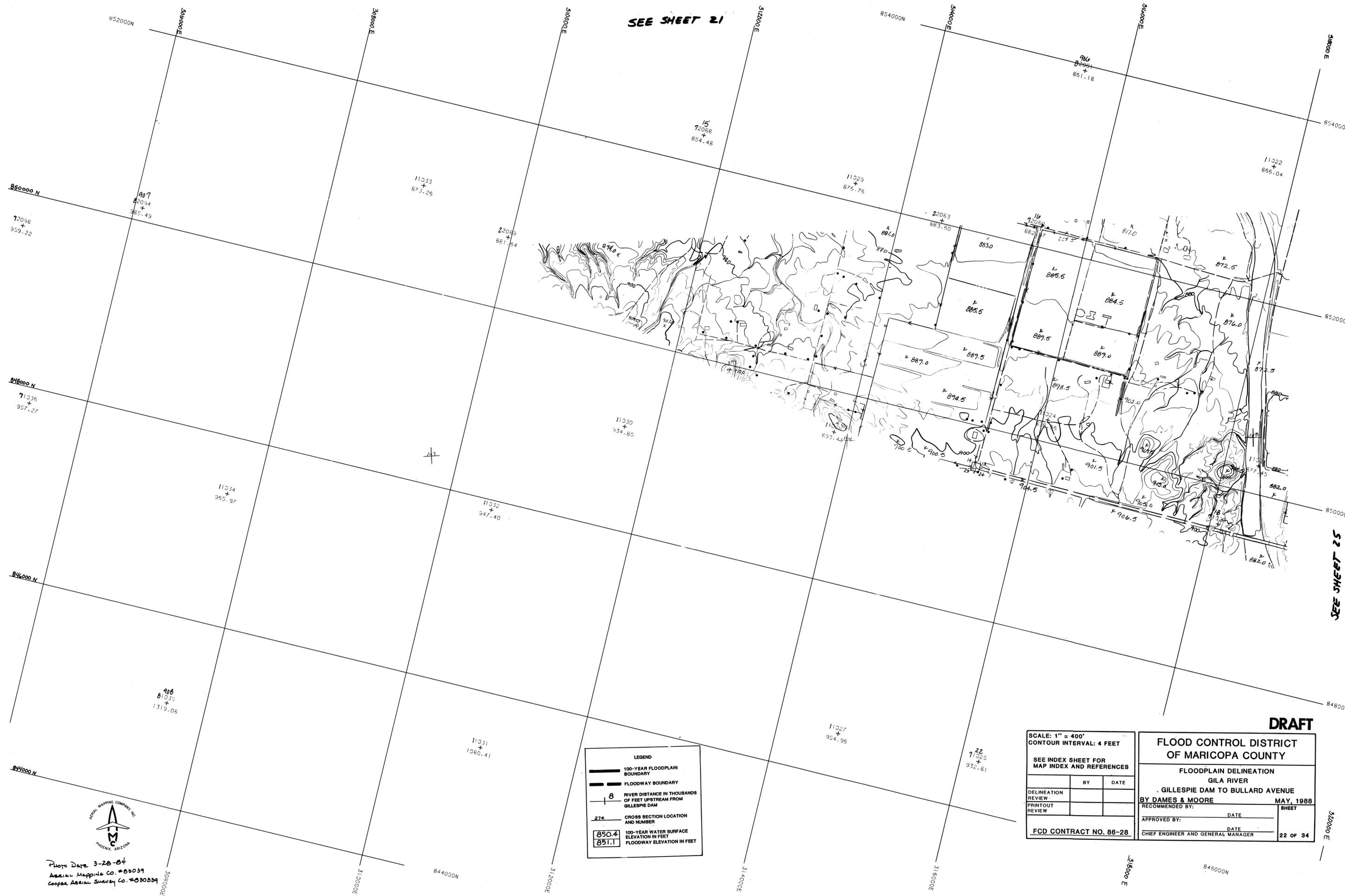
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE
BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	
CHIEF ENGINEER AND GENERAL MANAGER		21 OF 34

SEE SHEET 21

SEE SHEET 25



LEGEND:

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
FLOODWAY ELEVATION IN FEET

DRAFT

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY: _____ DATE _____ SHEET

APPROVED BY: _____ DATE _____ SHEET

CHIEF ENGINEER AND GENERAL MANAGER

22 OF 34



Photo Date 3-28-84
Aerial Mapping Co. #03039
Cooper Aerial Survey Co. #03039

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

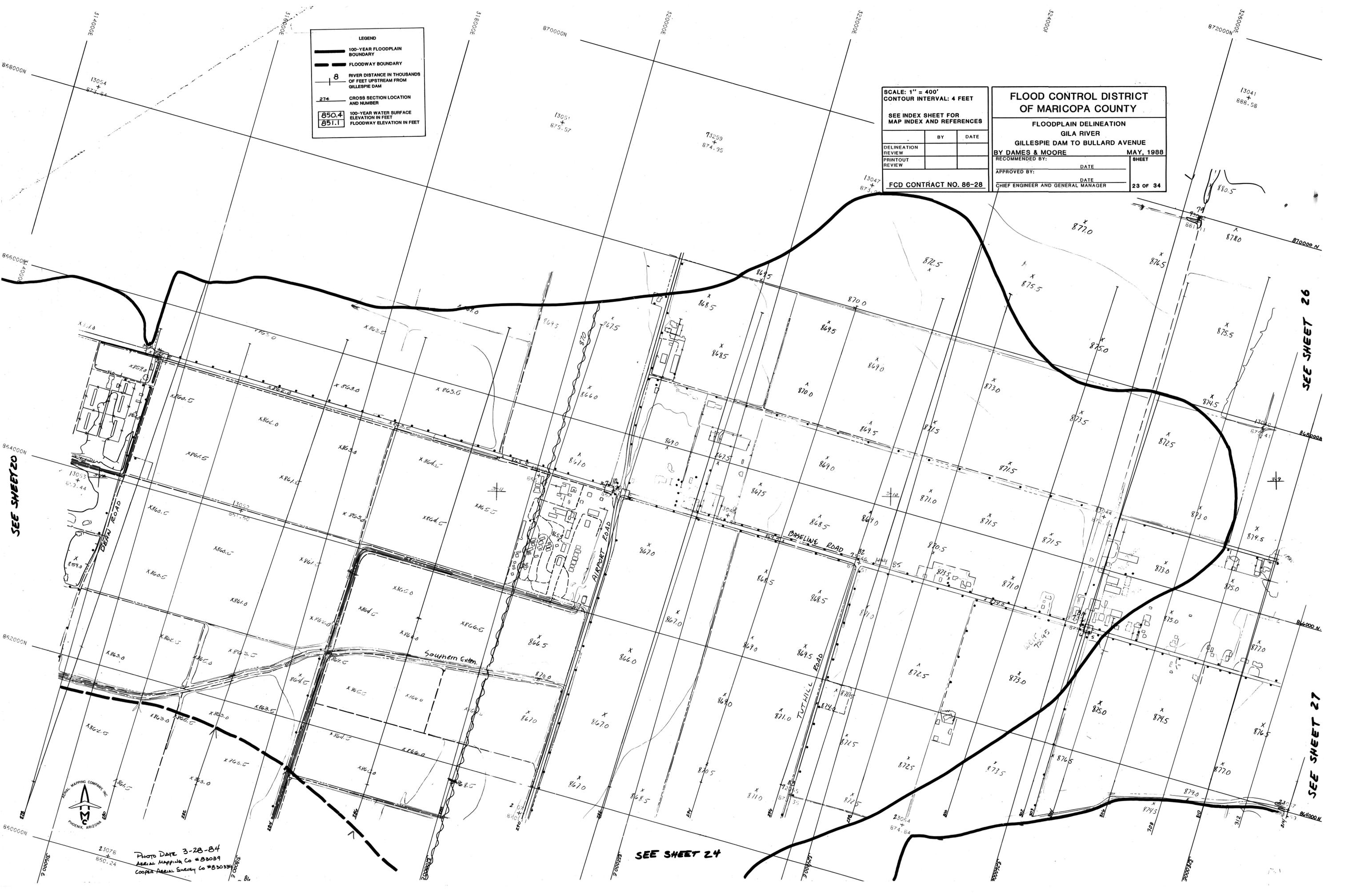
FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	23 OF 34
CHIEF ENGINEER AND GENERAL MANAGER		



SEE SHEET 20

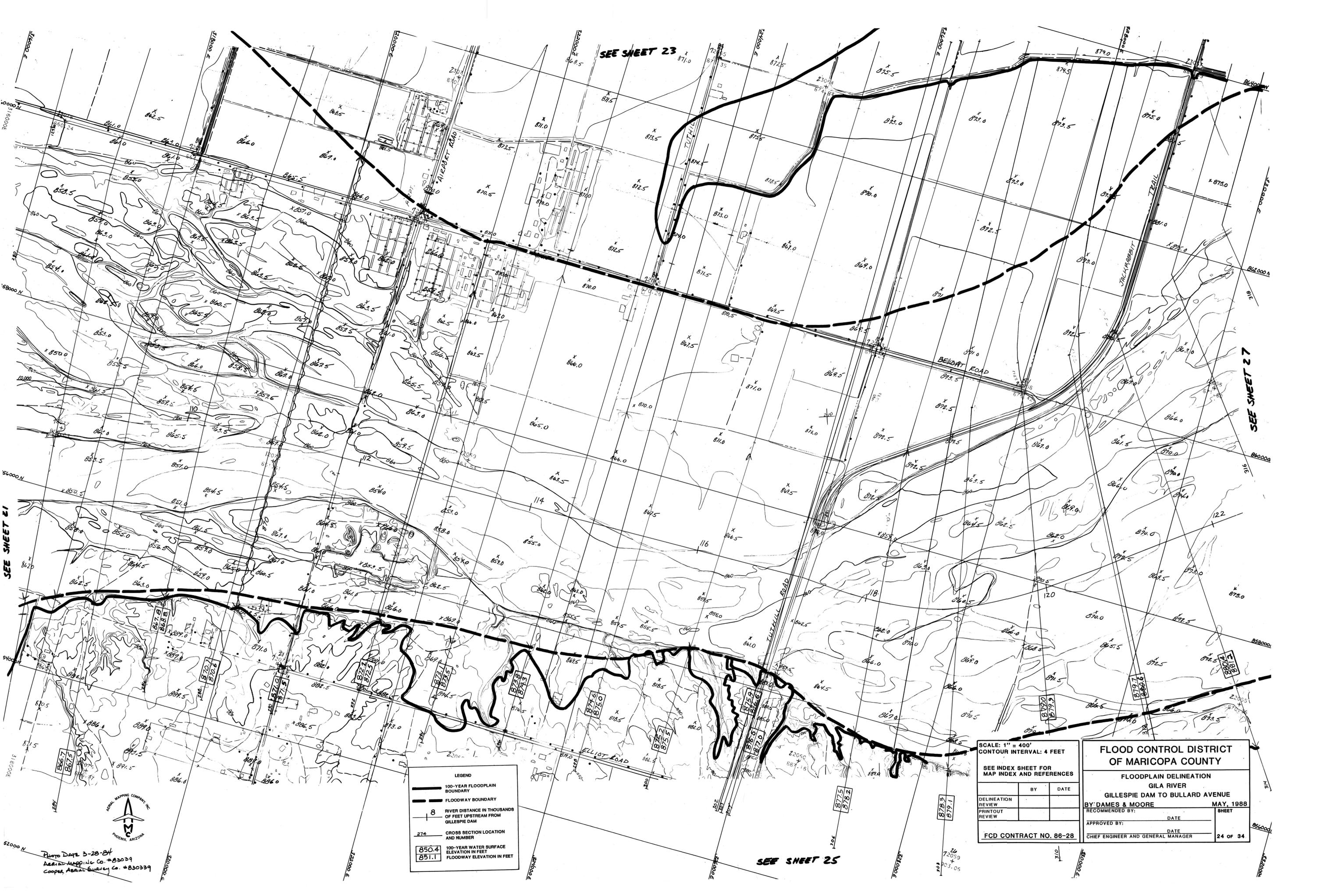
SEE SHEET 26

SEE SHEET 27

SEE SHEET 24



PHOTO DATE 3-28-84
Aerial Mapping Co #B3039
Cooper Aerial Survey Co #B3039



SEE SHEET 23

SEE SHEET 27

SEE SHEET 25

SEE SHEET 21

LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

BY	DATE
DELINITION REVIEW	
PRINTOUT REVIEW	
FCD CONTRACT NO. 86-28	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
GILA RIVER
GILLESPIE DAM TO BULLARD AVENUE

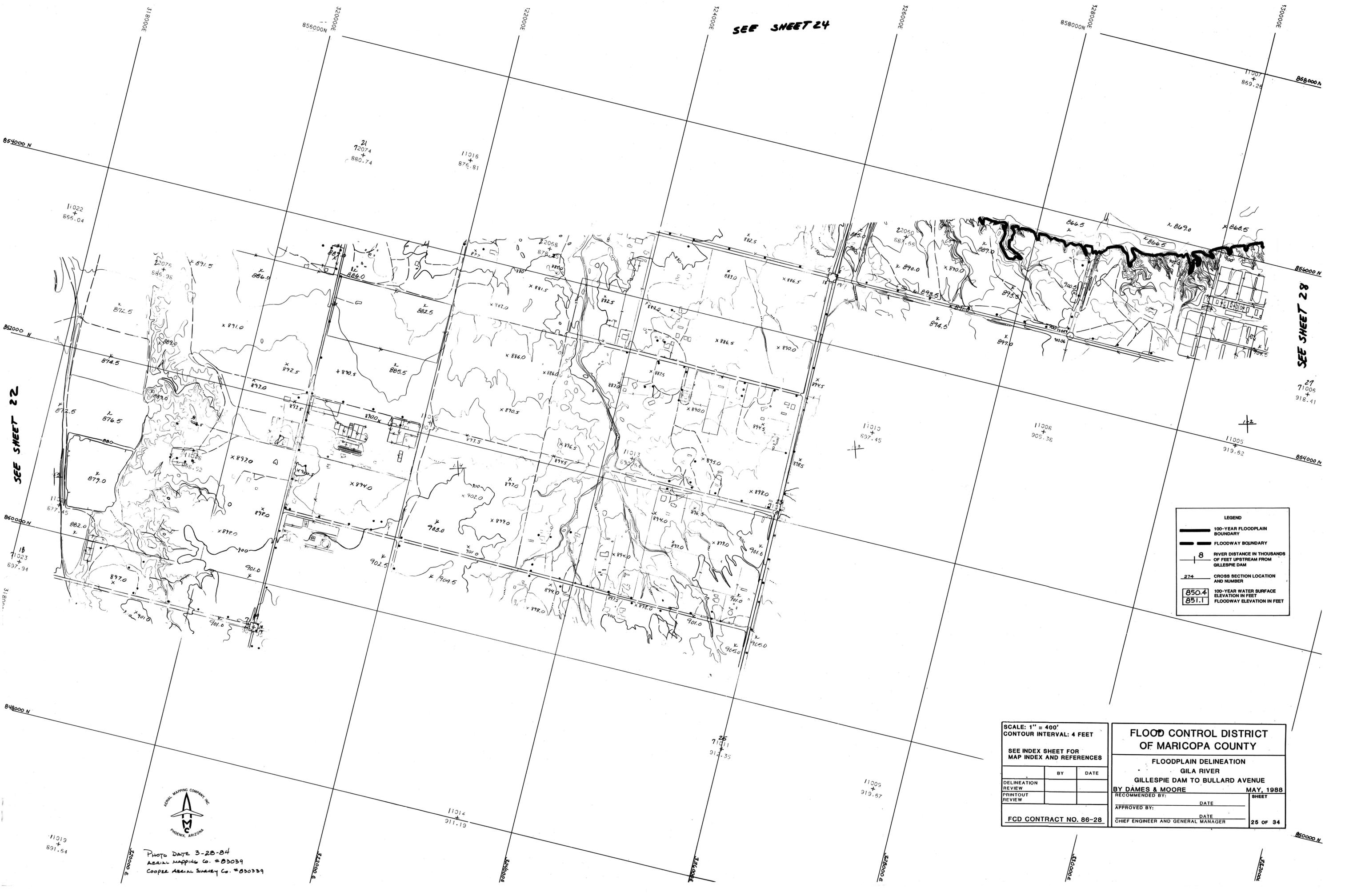
BY: DAMES & MOORE
RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

MAY, 1988
SHEET 24 OF 34



Photo Date 3-28-84
Aerial Mapping Co. #83039
Cooper Aerial Survey Co. #830339

SEE SHEET 24



LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- 8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- 274 CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE
 BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	25 OF 34
CHIEF ENGINEER AND GENERAL MANAGER		

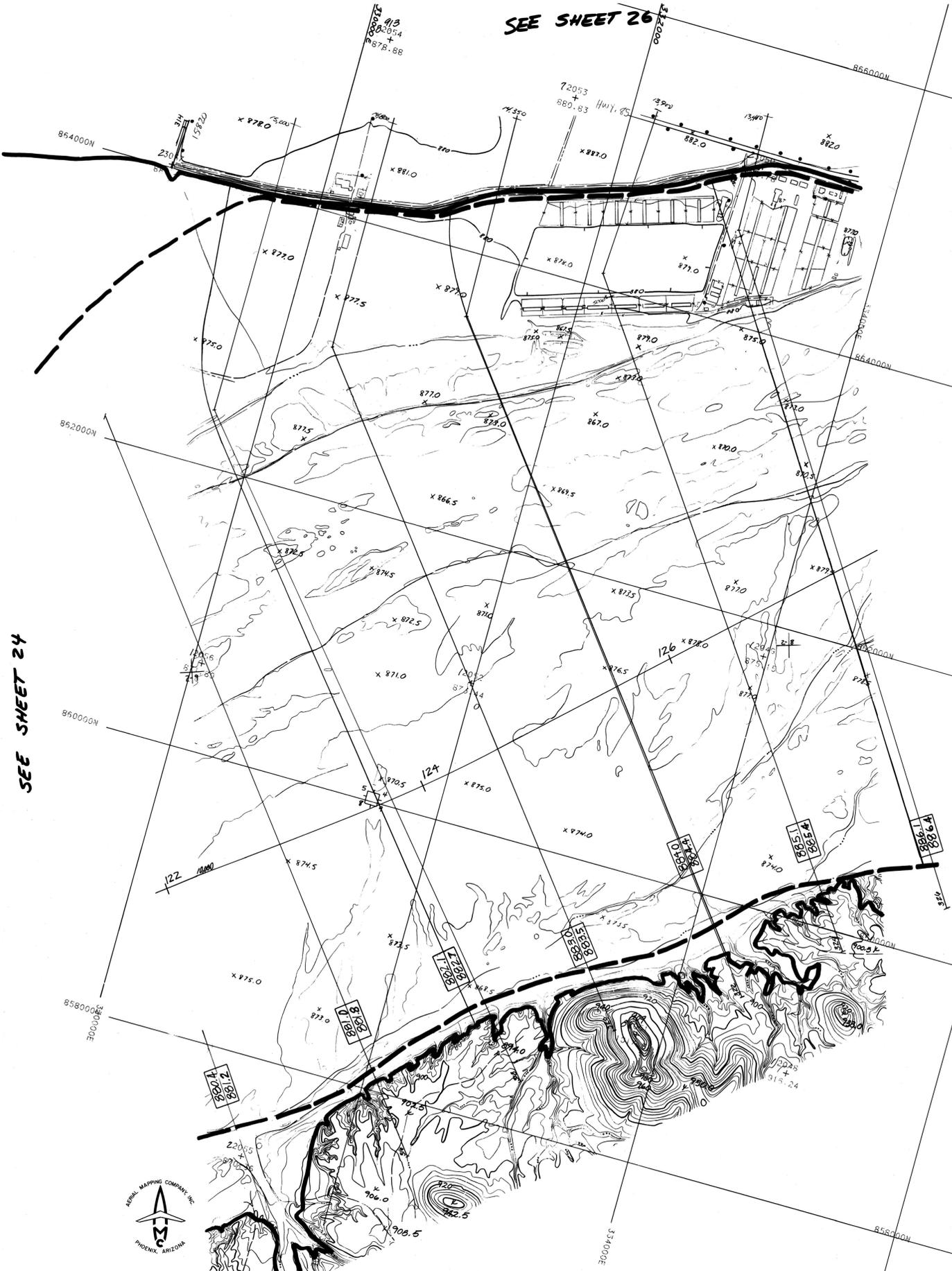


PHOTO DATE 3-28-84
 AERIAL MAPPING CO. #03039
 COOPER AERIAL SURVEY CO. #030339

SEE SHEET 22

SEE SHEET 28

SEE SHEET 26



SEE SHEET 24

SEE SHEET 30

SEE SHEET 28



PHOTO DATE 3-28-84
 AERIAL MAPPING CO. #83039
 COOPER AERIAL SURVEY CO. #830339

LEGEND	
	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
FLOODPLAIN DELINEATION GILA RIVER GILLESPIE DAM TO BULLARD AVENUE	
RECOMMENDED BY: BY DAMES & MOORE	DATE MAY, 1988
APPROVED BY:	DATE
CHIEF ENGINEER AND GENERAL MANAGER	
	SHEET 27 OF 34

860000N

SEE SHEET 27

SEE SHEET 25



LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	274 CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	28 OF 34

CHIEF ENGINEER AND GENERAL MANAGER



Photo Date 3-28-84
 Aerial Mapping Co. #03039
 Cooper Aerial Survey Co #030339

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

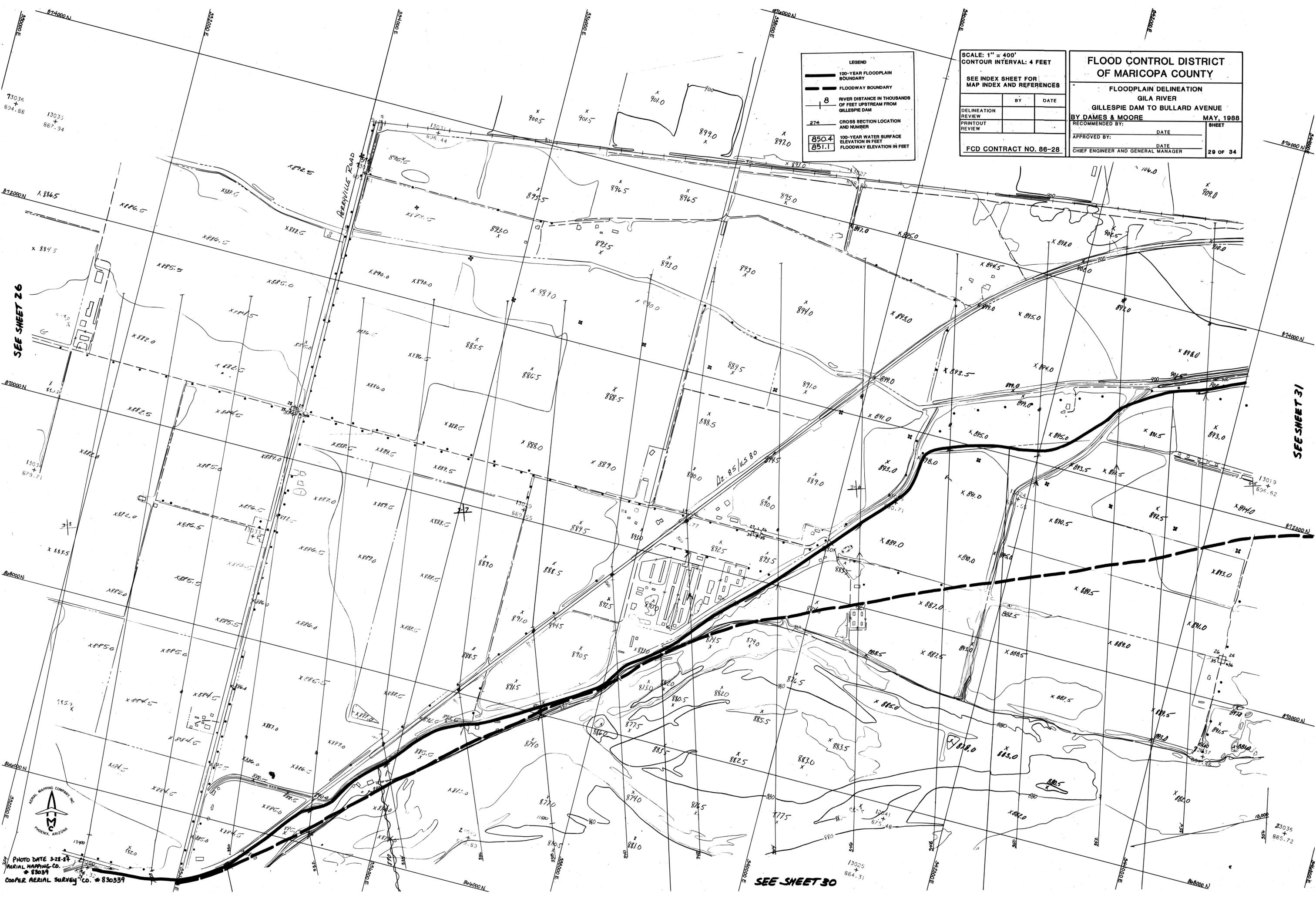
**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

RECOMMENDED BY: **BY DAMES & MOORE** DATE: **MAY, 1988**

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

SHEET **29** OF **34**



SEE SHEET 26

SEE SHEET 31

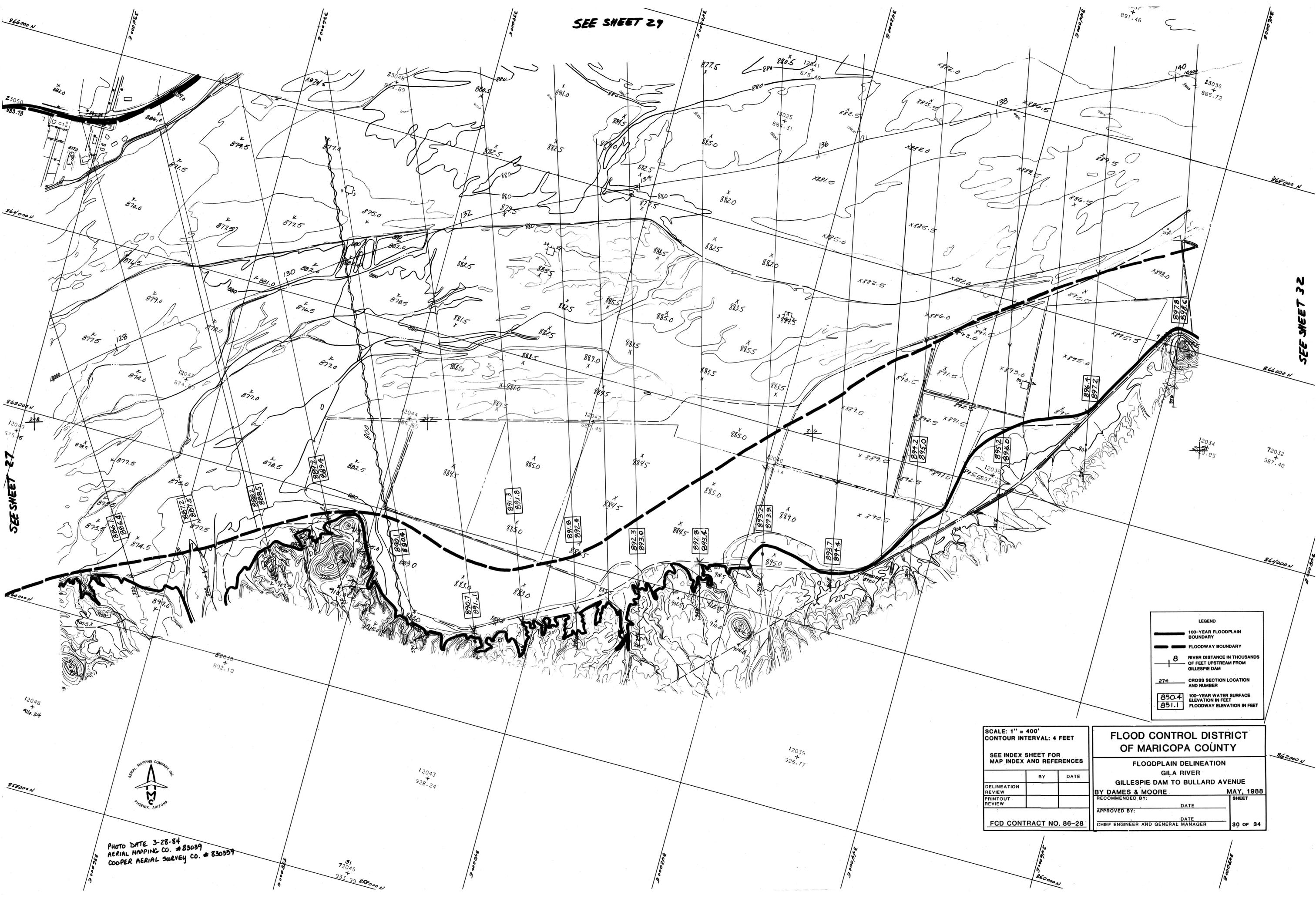
SEE SHEET 30

PHOTO DATE 3-28-84
 AERIAL MAPPING CO. # 83039
 COOPER AERIAL SURVEY CO. # 830339

AERIAL MAPPING COMPANY, INC.
 PHOENIX, ARIZONA

SEE SHEET 29

SEE SHEET 32



LEGEND

	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

	BY	DATE
DELINEATION REVIEW		
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE
 BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
APPROVED BY:	DATE	
CHIEF ENGINEER AND GENERAL MANAGER		30 OF 34



PHOTO DATE 3-28-84
 AERIAL MAPPING CO. # 83039
 COOPER AERIAL SURVEY CO. # 830397

31
 72045
 +
 933.20

12039
 +
 925.77

12048
 +
 916.24

52010
 +
 832.10

12043
 +
 928.24

12034
 +
 927.05

72032
 +
 367.40

140
 +
 1400

23035
 +
 885.72

891.46

23050
 +
 183.78

882.0

879.5

877.5

875.0

872.5

870.0

867.5

865.0

862.5

860.0

857.5

855.0

852.5

850.0

847.5

845.0

842.5

840.0

837.5

835.0

832.5

830.0

827.5

825.0

822.5

820.0

817.5

815.0

812.5

810.0

807.5

805.0

802.5

800.0

797.5

795.0

792.5

790.0

787.5

785.0

782.5

780.0

777.5

775.0

772.5

770.0

767.5

765.0

762.5

760.0

757.5

755.0

752.5

750.0

747.5

745.0

742.5

740.0

737.5

735.0

732.5

730.0

727.5

725.0

722.5

720.0

717.5

715.0

712.5

710.0

707.5

705.0

702.5

700.0

697.5

695.0

692.5

690.0

687.5

685.0

682.5

680.0

677.5

675.0

672.5

670.0

667.5

665.0

662.5

660.0

657.5

655.0

652.5

650.0

647.5

645.0

642.5

640.0

637.5

635.0

632.5

630.0

627.5

625.0

622.5

620.0

617.5

615.0

612.5

610.0

607.5

605.0

602.5

600.0

597.5

595.0

592.5

590.0

587.5

585.0

582.5

580.0

577.5

575.0

572.5

570.0

567.5

565.0

562.5

560.0

557.5

555.0

552.5

550.0

547.5

545.0

542.5

540.0

537.5

535.0

532.5

530.0

527.5

525.0

522.5

520.0

517.5

515.0

512.5

510.0

507.5

505.0

502.5

500.0

497.5

495.0

492.5

490.0

487.5

485.0

482.5

480.0

477.5

475.0

472.5

470.0

467.5

465.0

462.5

460.0

457.5

455.0

452.5

450.0

447.5

445.0

442.5

440.0

437.5

435.0

432.5

430.0

427.5

425.0

422.5

420.0

417.5

415.0

412.5

410.0

407.5

405.0

402.5

400.0

397.5

395.0

392.5

390.0

387.5

385.0

382.5

380.0

377.5

375.0

372.5

370.0

367.5

365.0

362.5

360.0

357.5

355.0

352.5

350.0

347.5

345.0

342.5

340.0

337.5

335.0

332.5

330.0

327.5

325.0

322.5

320.0

317.5

315.0

312.5

310.0

307.5

305.0

302.5

300.0

297.5

295.0

292.5

290.0

287.5

285.0

282.5

280.0

277.5

275.0

272.5

270.0

267.5

265.0

262.5

260.0

257.5

255.0

252.5

250.0

247.5

245.0

242.5

240.0

237.5

235.0

232.5

230.0

227.5

225.0

222.5

220.0

217.5

215.0

212.5

210.0

207.5

205.0

202.5

200.0

197.5

195.0

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET

SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

DELINEATION REVIEW	BY	DATE
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE
 BY DAMES & MOORE MAY, 1988

RECOMMENDED BY: _____ DATE _____ SHEET _____

APPROVED BY: _____ DATE _____

CHIEF ENGINEER AND GENERAL MANAGER 31 OF 34

LEGEND

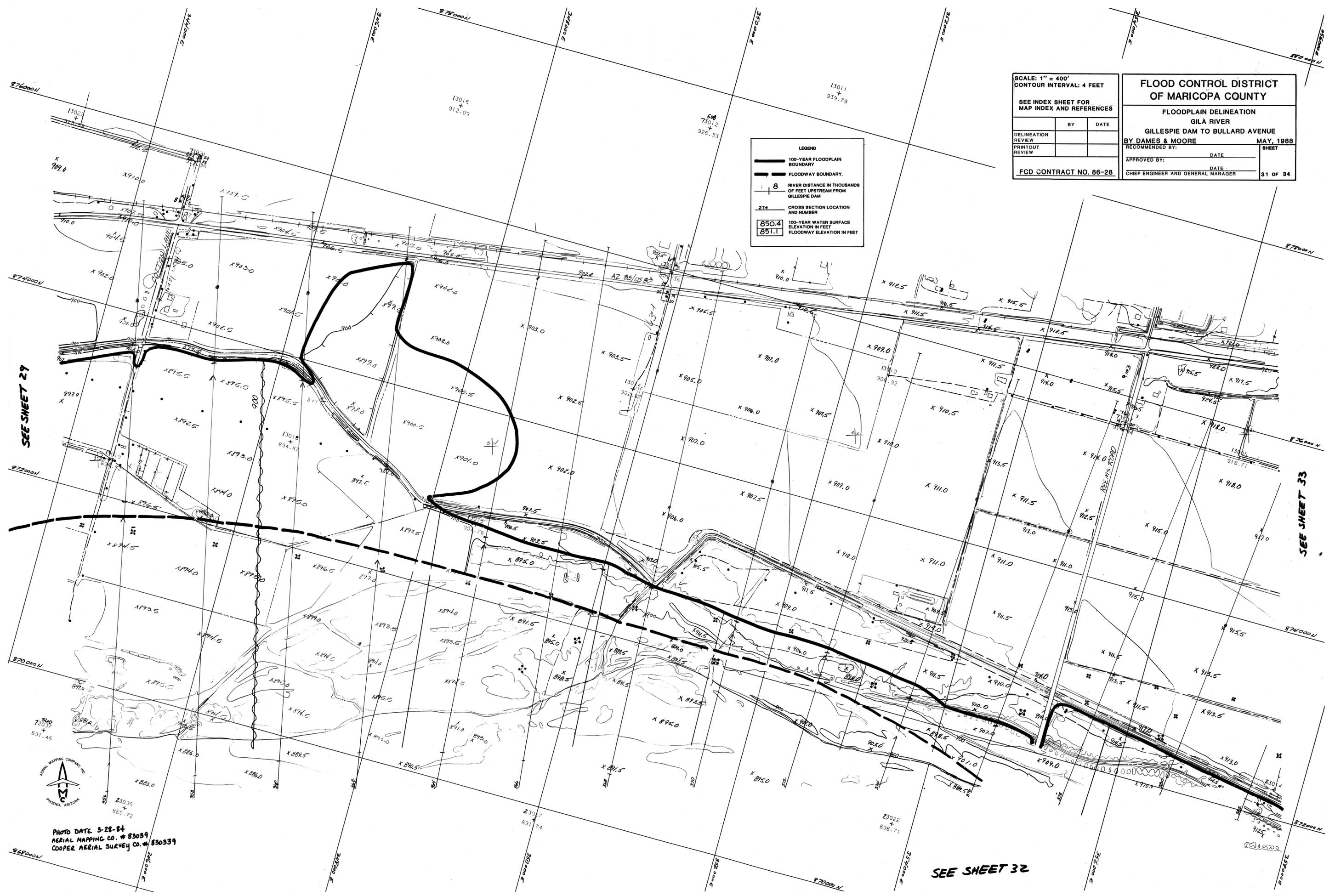
— 100-YEAR FLOODPLAIN BOUNDARY

— FLOODWAY BOUNDARY

8 RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM

274 CROSS SECTION LOCATION AND NUMBER

850.4 100-YEAR WATER SURFACE ELEVATION IN FEET
 851.1 FLOODWAY ELEVATION IN FEET



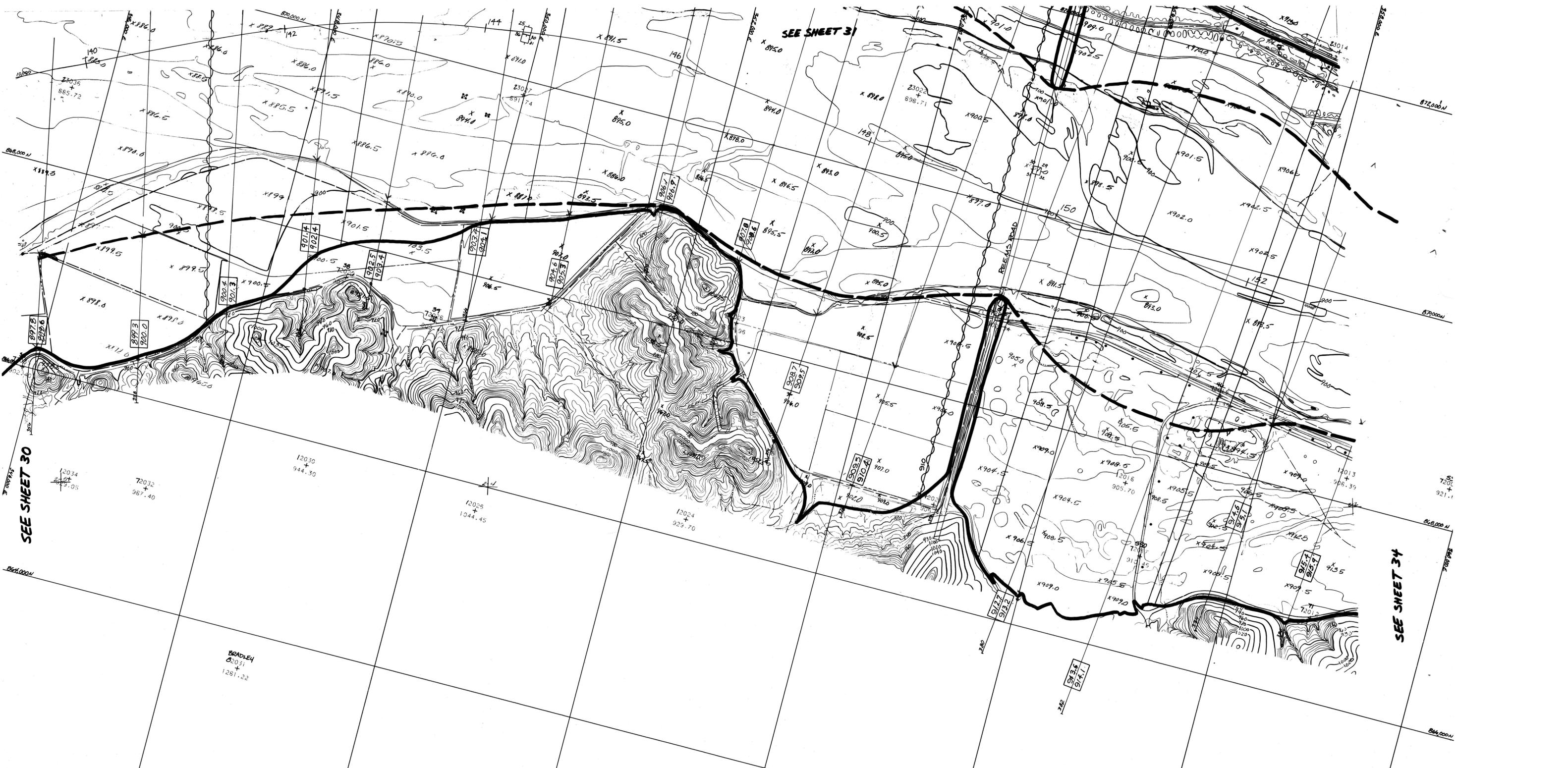
SEE SHEET 29

SEE SHEET 33

SEE SHEET 32



PHOTO DATE 3-28-84
 AERIAL MAPPING CO. # 83039
 COOPER AERIAL SURVEY CO. # 830339



SEE SHEET 30

SEE SHEET 31

SEE SHEET 34

PHOTO DATE 3-28-84
 AERIAL MAPPING CO. # 83039
 COOPER AERIAL SURVEY CO. # 830339



LEGEND	
	100-YEAR FLOODPLAIN BOUNDARY
	FLOODWAY BOUNDARY
	RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
	CROSS SECTION LOCATION AND NUMBER
	100-YEAR WATER SURFACE ELEVATION IN FEET
	FLOODWAY ELEVATION IN FEET

SCALE: 1" = 400'	
CONTOUR INTERVAL: 4 FEET	
SEE INDEX SHEET FOR MAP INDEX AND REFERENCES	
DELINEATION REVIEW	BY DATE
PRINTOUT REVIEW	
FCD CONTRACT NO. 86-28	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
FLOODPLAIN DELINEATION GILA RIVER GILLESPIE DAM TO BULLARD AVENUE	
BY DAMES & MOORE	MAY, 1988
RECOMMENDED BY:	SHEET
APPROVED BY:	DATE
CHIEF ENGINEER AND GENERAL MANAGER	32 OF 34

SCALE: 1" = 400'
 CONTOUR INTERVAL: 4 FEET
 SEE INDEX SHEET FOR
 MAP INDEX AND REFERENCES

	BY	DATE
DELINEATION REVIEW		
PRINTOUT REVIEW		

FCD CONTRACT NO. 86-28

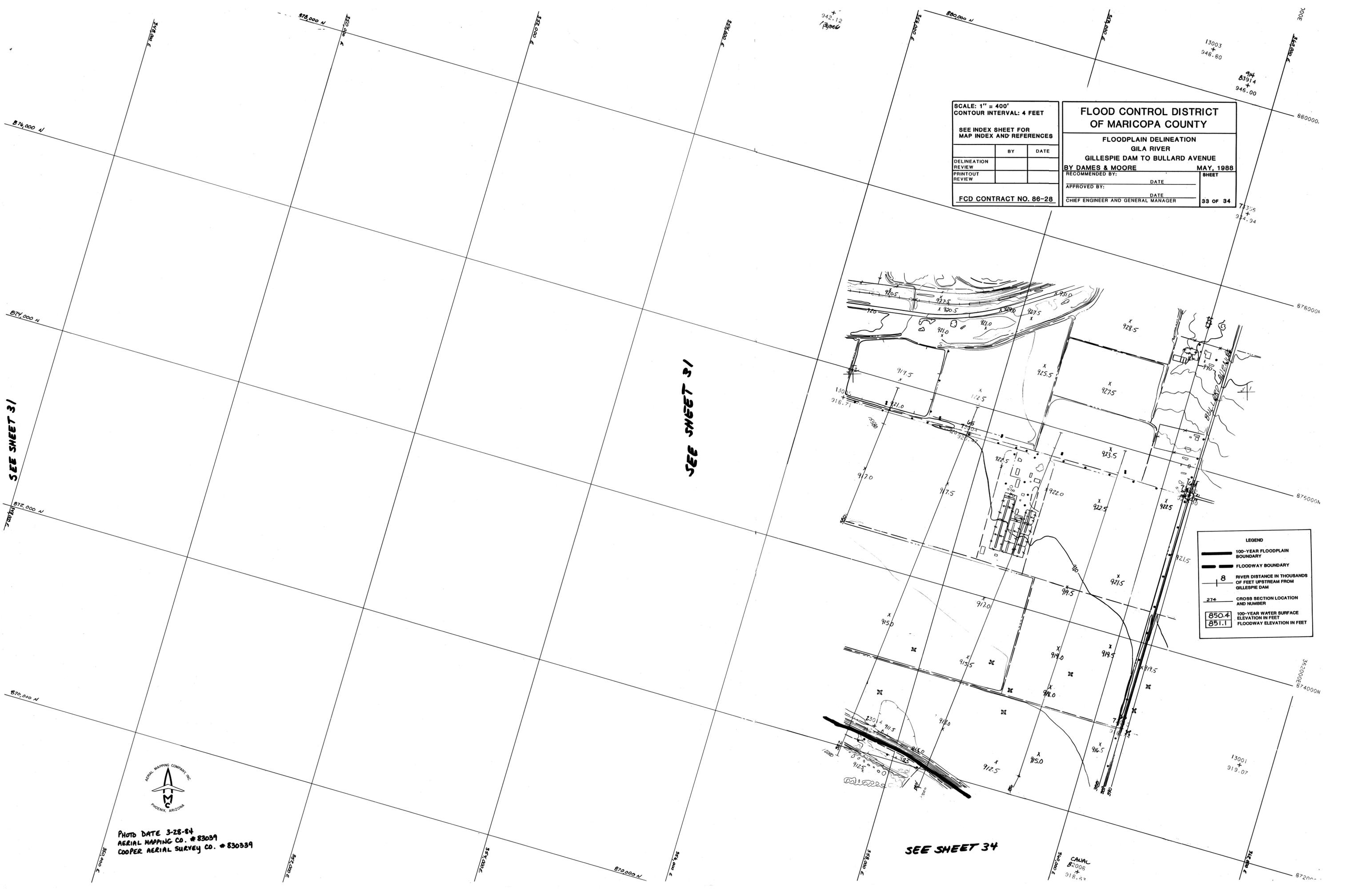
**FLOOD CONTROL DISTRICT
 OF MARICOPA COUNTY**

FLOODPLAIN DELINEATION
 GILA RIVER
 GILLESPIE DAM TO BULLARD AVENUE

BY DAMES & MOORE MAY, 1988

RECOMMENDED BY:	DATE	SHEET
		33 OF 34

APPROVED BY: _____ DATE _____
 CHIEF ENGINEER AND GENERAL MANAGER



SEE SHEET 31

SEE SHEET 34

LEGEND

- 100-YEAR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- RIVER DISTANCE IN THOUSANDS OF FEET UPSTREAM FROM GILLESPIE DAM
- CROSS SECTION LOCATION AND NUMBER
- 100-YEAR WATER SURFACE ELEVATION IN FEET
- FLOODWAY ELEVATION IN FEET



PHOTO DATE 3-28-84
 AERIAL MAPPING CO. # 83039
 COOPER AERIAL SURVEY CO. # 830339

