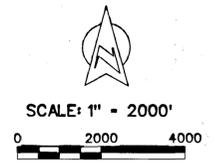


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING TRIBUTARIES TO MORGAN CITY WASH FCD 98-18



LEGEND:

- CITY LIMIT
- DELINEATED TRIBUTARY WASH (SCI STUDY)
- DELINEATED WASH (BAKER STUDY)
- ERM-20
- SECTION CORNER (APPROXIMATE)
- QUARTER CORNER (APPROXIMATE)

NOTE

ALL ERM'S DEPICTED IN THIS STUDY ARE LOCATED APPROXIMATELY FROM THE MORGAN CITY WASH FLOODPLAIN DELINEATION STUDY PREPARED BY MICHAEL BAKER, JR., INC. (FCD 89-15) FOR THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY. REFER TO THAT STUDY FOR FLOODPLAIN LIMITS ALONG MORGAN CITY WASH.

DATUM

HORIZONTAL: NORTH AMERICAN DATUM OF 1983
VERTICAL: NATIONAL GEODETIC VERTICAL DATUM OF 1929

AERIAL MAPPING:

COOPER AERIAL OF PHOENIX, INC.
11402 N. CAVE CREEK ROAD
PHOENIX, ARIZONA 85020 PHONE-(602)678-5111
FLIGHT DATE: MARCH 31, 1999
CONTOUR INTERVAL: 10 FEET

GROUND CONTROL, HYDROLOGY AND DELINEATION

STANLEY CONSULTANTS, INC.
2929 EAST CAMELBACK ROAD
SUITE 130
PHOENIX, ARIZONA 85016 PHONE-(602)912-6500

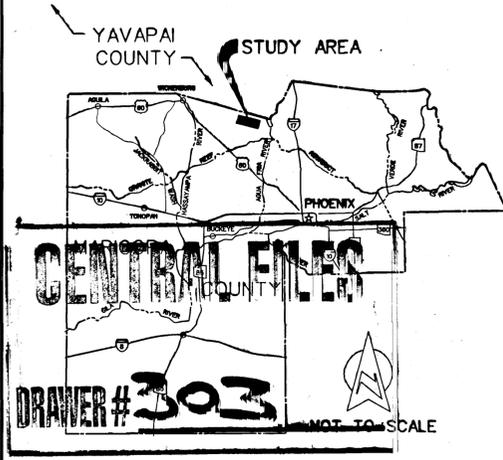
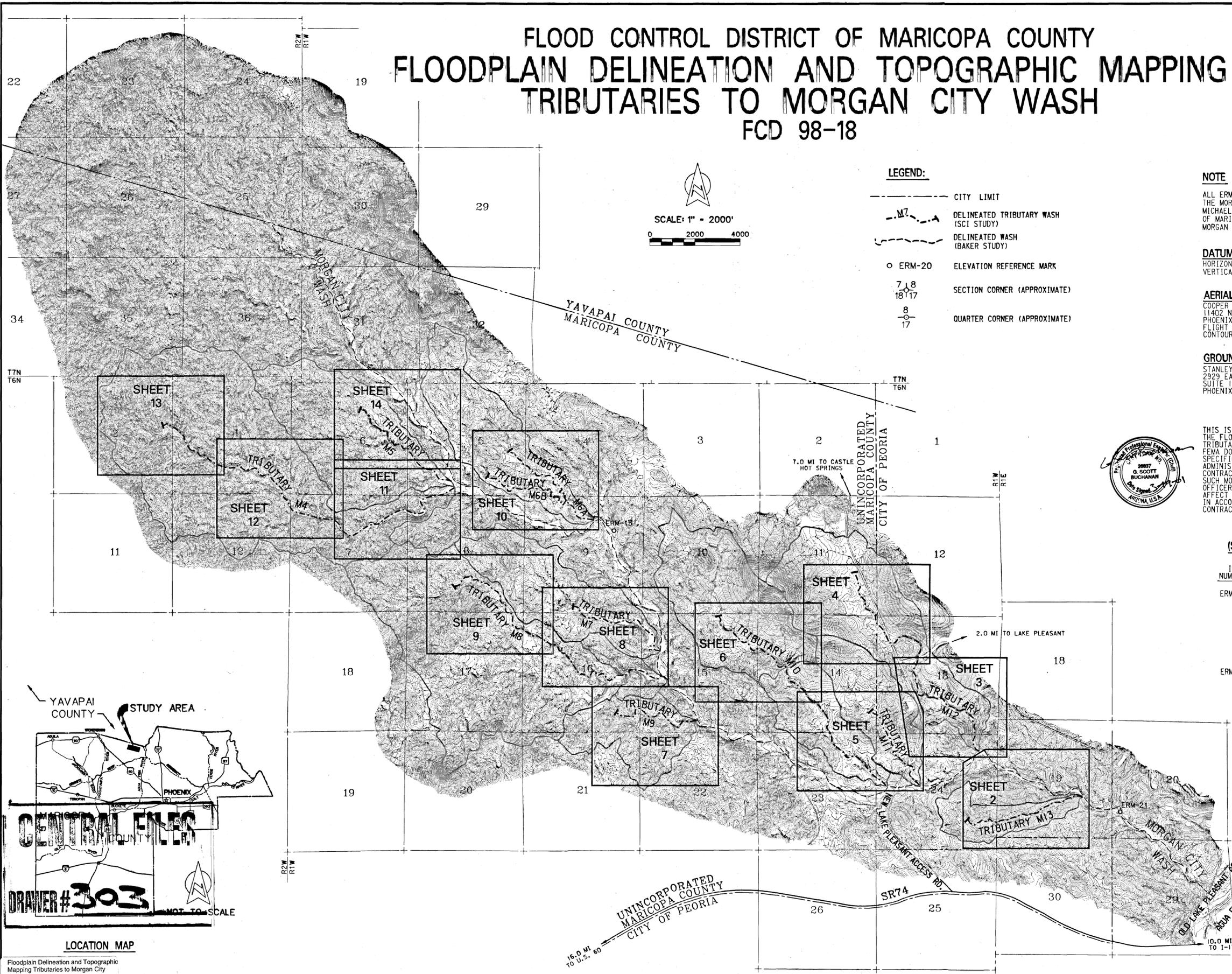
CERTIFICATION

THIS IS TO CERTIFY THAT ALL WORK PERFORMED IN ASSOCIATION WITH THE FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING FOR THE TRIBUTARIES TO MORGAN CITY WASH WAS DONE IN ACCORDANCE WITH FEMA DOCUMENT 37, "FLOOD INSURANCE STUDY GUIDELINES AND SPECIFICATIONS FOR STUDY CONTRACTORS", FEDERAL INSURANCE ADMINISTRATION, JANUARY 1995, AND THE GENERAL PROVISIONS OF FCD CONTRACT 98-18 AND ALL AMENDMENTS THERETO, TOGETHER WITH ALL SUCH MODIFICATIONS, EITHER WRITTEN OR ORAL AS THE FCD CONTRACTING OFFICER OR THEIR REPRESENTATIVES HAVE DIRECTED, AS SUCH MODIFICATIONS AFFECT THIS CONTRACT, AND THAT ALL SUCH WORK HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH SOUND AND ACCEPTED ENGINEERING PRACTICE WITHIN THE CONTRACT PROVISIONS FOR RESPECTIVE PHASES OF THE WORK.



**SUPPLEMENTAL ERM'S
(SEE THIS SHEET FOR APPROXIMATE LOCATION)**

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-15	1976.50	BEGINNING AT POINT; MORGAN WEST, THENCE 3.15 MI. NW IN MORGAN CITY WASH TO ERM-15, A 3/8" REBAR SET IN CONCRETE APPROX. 28' NE OF CENTER LINE OF MORGAN CITY WASH, AND APPROX. 0.15 MI. NW OF TULE SPRINGS IN MORGAN CITY WASH, MARKED "ERM-15".
ERM-21	1497.435	BEGINNING AT POINT; MORGAN EAST, THENCE 0.08 MI. SE IN MORGAN CITY WASH TO ERM-21, A 3/8" REBAR SET IN CONCRETE APPROX. 37' NE OF CENTER LINE OF MORGAN CITY WASH AT NORTHERN EDGE OF BEND IN WASH, AND AT TOE DIRT EMBANKMENT BY ROCK WALL MARKED "ERM-21".



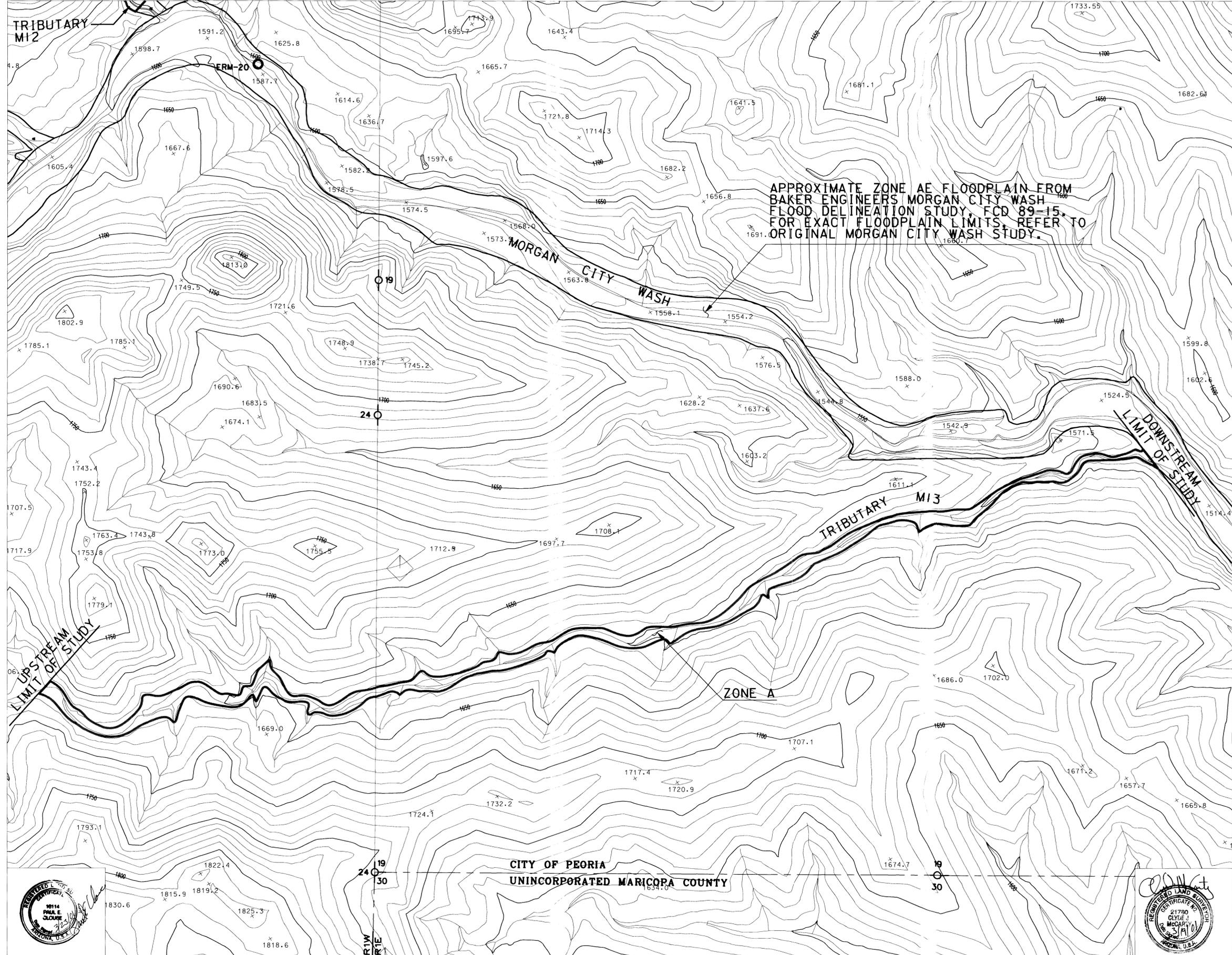
LOCATION MAP
Floodplain Delineation and Topographic Mapping Tributaries to Morgan City Wash
Stanley Consultants FCD 98-18
Study Year 2001 Drawer 303

Stanley Consultants INC.
A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

SCI-14463 SHEET 1 OF 14

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SEE SHEET 3



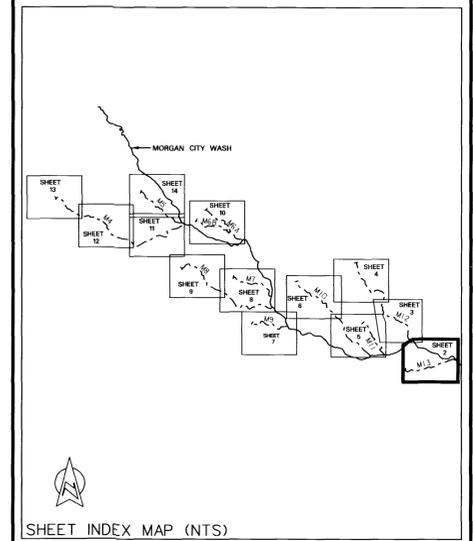
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH (FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK ERM-20
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)

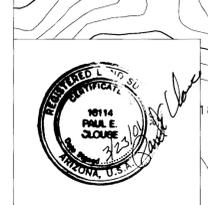
ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-20	1590.715	BEGINNING AT POINT; MORGAN EAST THENCE 1.44 MI. NW IN MORGAN CITY WASH TO ERM#20, A 3/4" REBAR SET IN CONCRETE APPROX. 26 FT. NE OF CENTER LINE OF NORTHERN FORK OF MORGAN CITY WASH, AND NEAR NE, JUNCTION OF CHALKY SPRING AT NORTH FORK OF MORGAN CITY WASH MARKED "ERM-20" (APPROXIMATE LOCATION DEPICTED)



SCALE: 1IN = 200 FT

CONTOUR INTERVAL: 10'
 FLIGHT DATE: 03-31-99

			FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
			DESIGN	BY
DESIGN CHK.	GSB	03/01	APPROVED BY: _____ DATE _____	
DRAWN	LRJ	03/01	SUBMITTED BY: _____ DATE _____	
SUBMITTED BY: _____ DATE _____			CHIEF ENGINEER AND GENERAL MANAGER SHEET 2 OF 14	



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

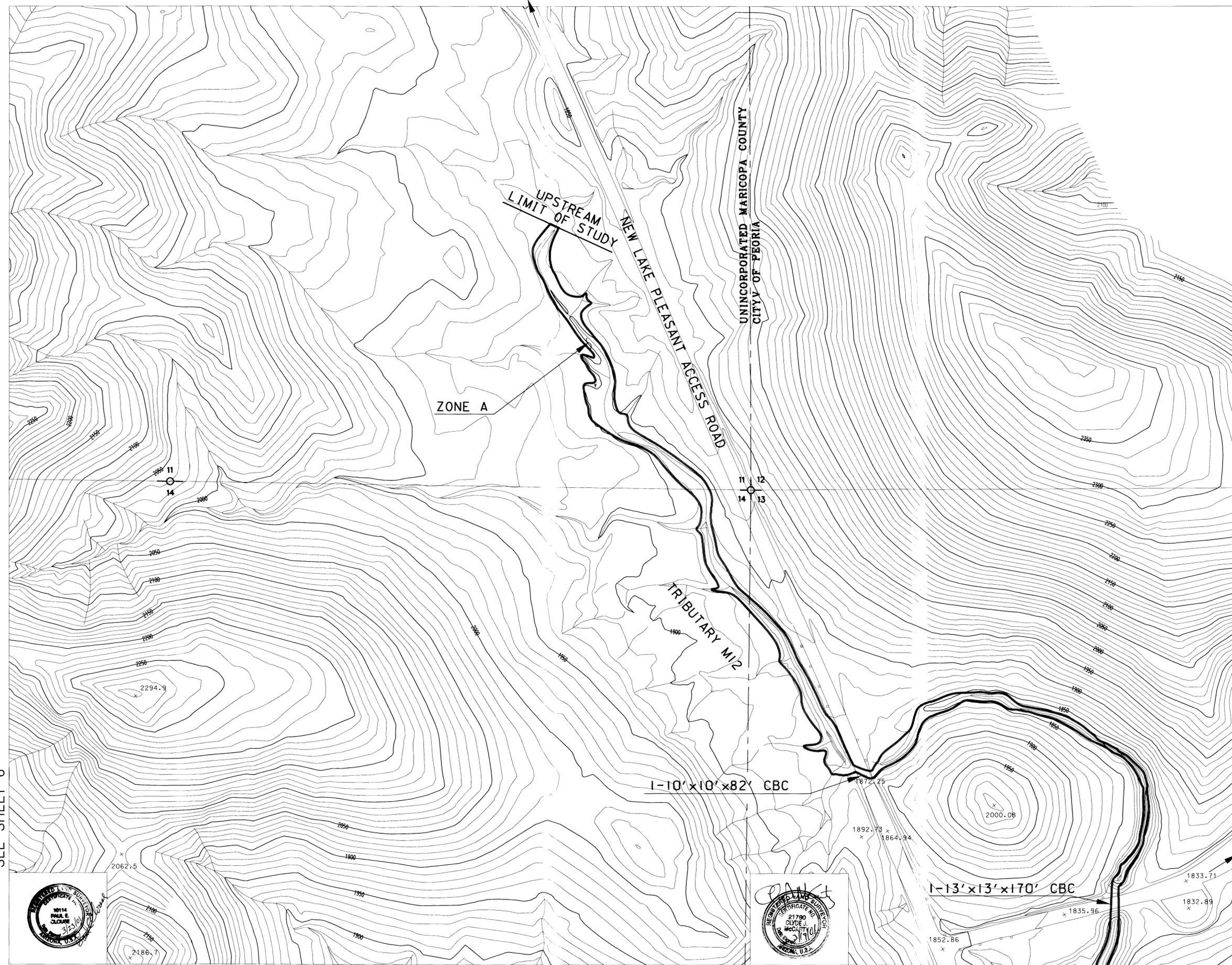
CITY OF PEORIA
UNINCORPORATED MARICOPA COUNTY

STANLEY CONSULTANTS, INC. MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR • 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.



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7.0 MI TO CASTLE HOT SPRINGS



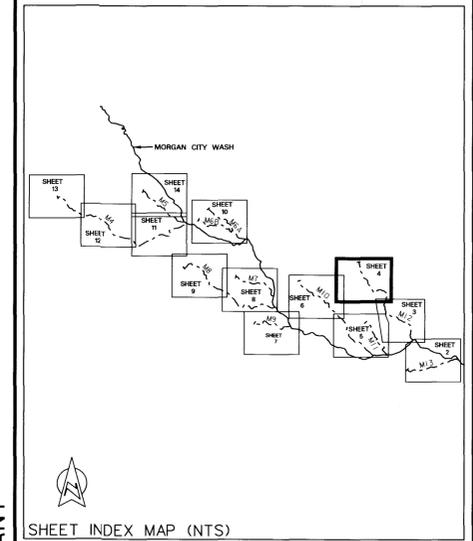
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH (FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK ERM-20
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
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SCALE: 1IN = 200 FT

CONTOUR INTERVAL: 10'

FLIGHT DATE: 03-31-99

DESIGN		BY	IKT	DATE	03/01	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
		DESIGN CHK.	GSB	03/01	RECOMMENDED BY:	
DRAWN		BY	LRj	DATE	03/01	APPROVED BY:
		SUBMITTED BY:		DATE	DATE	DATE
SHEET		4		OF		14

SEE SHEET 6

SEE SHEET 3

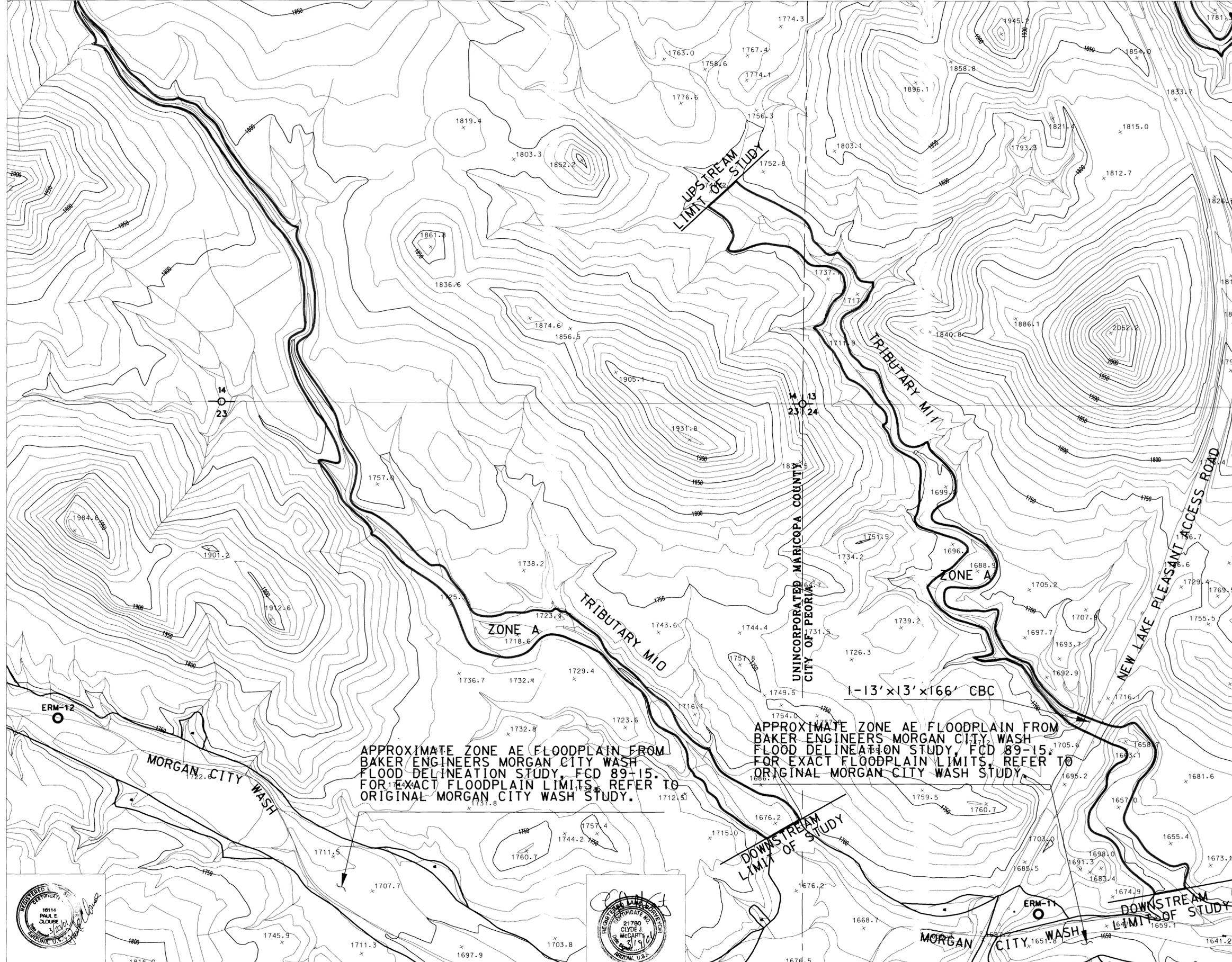
2.0 MI TO LAKE PLEASANT



COOPER AERIAL OF PHOENIX, INC. HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR # 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

SEE SHEET 6



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH (FCD 98-18)

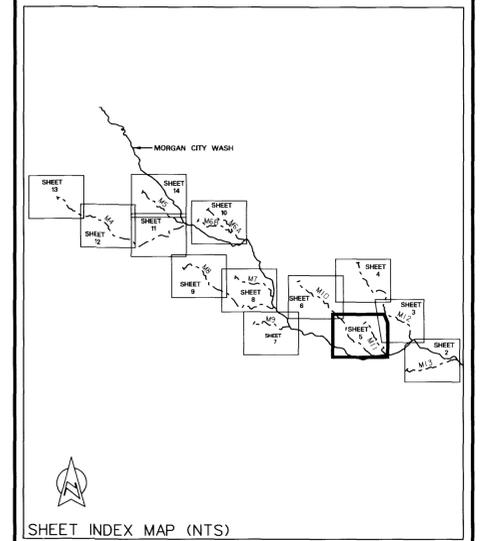
LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK ERM-20
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-11	1662.677	FROM THE INTERSECTION OF LAKE PLEASANT ROAD AND CASTLE HOT SPRINGS ROAD THENCE 1.23 MI. SOUTH ON CASTLE HOT SPRINGS ROAD TO ERM#11, A U.S.B.R. BC AT CENTER LINE STATION CASTLE HOT SPRINGS ROAD 71+20.09 AT 150 FT. RIGHT (EAST) AT 4 FT. BARBED WIRE FENCE CORNER RUNNING NORTHERLY AND SOUTHERLY MARKED ERM#11. (APPROXIMATE LOCATION DEPICTED)
ERM-12	1732.120	BEGIN AT POINT: MORGAN WEST, THENCE 0.05 MI. NW IN MORGAN CITY WASH TO ERM#12, A 3/4" REBAR SET IN CONCRETE APPROX. 111 FT. SW OF CENTER LINE OF MORGAN CITY WASH AND 88 FT. SE FROM ABANDONED (WELL) AND 1.5 FT. SE OF SE FACE OF ABANDONED CONCRETE WATER TROUGH; MARKED ERM#12. (APPROXIMATE LOCATION DEPICTED)

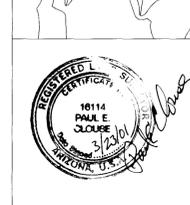
SEE SHEET 3



SCALE: 1" = 200 FT

CONTOUR INTERVAL: 10'
 FLIGHT DATE: 03-31-99

		DESIGN BY: IKT DATE: 03/01		FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
		DESIGN CHK.: GSB DATE: 03/01		
DRAWN BY: LRJ DATE: 03/01		RECOMMENDED BY: _____ DATE: _____		
		APPROVED BY: _____ DATE: _____		
SUBMITTED BY: _____ DATE: _____		CHIEF ENGINEER AND GENERAL MANAGER		
		SHEET 5 OF 14		



COOPER AERIAL OF PHOENIX, INC. HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.



STANLEY CONSULTANTS, INC. MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR • 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

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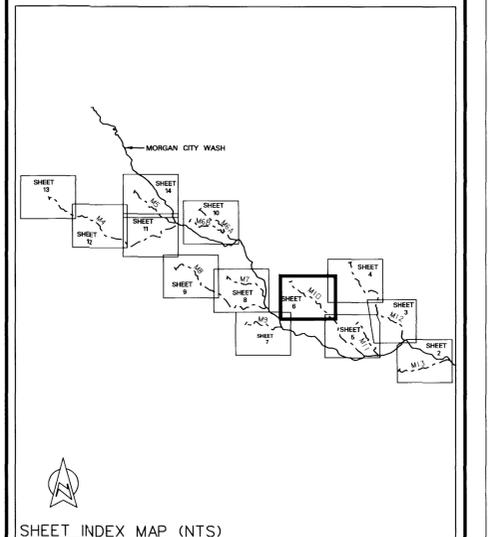
FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK O ERM-20
- FLOOD INSURANCE ZONE ZONE A

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
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SCALE: 1" = 200 FT

CONTOUR INTERVAL: 10'
FLIGHT DATE: 03-31-99

		DESIGN BY IKT DATE 03/01 DESIGN CHK. GSB DATE 03/01 DRAWN LRj DATE 03/01		FLOOD CONTROL DISTRICT OF MARICOPA COUNTY RECOMMENDED BY: _____ DATE _____ APPROVED BY: _____ DATE _____ CHIEF ENGINEER AND GENERAL MANAGER
		SUBMITTED BY: _____ DATE _____		



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. I, MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR - 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

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SEE SHEET 7

SEE SHEET 4

SEE SHEET 5

SEE SHEET 8

SEE SHEET 6

APPROXIMATE ZONE AE FLOODPLAIN FROM
BAKER ENGINEERS MORGAN CITY WASH
FLOOD DELINEATION STUDY, FCD 89-15.
FOR EXACT FLOODPLAIN LIMITS, REFER TO
ORIGINAL MORGAN CITY WASH STUDY.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

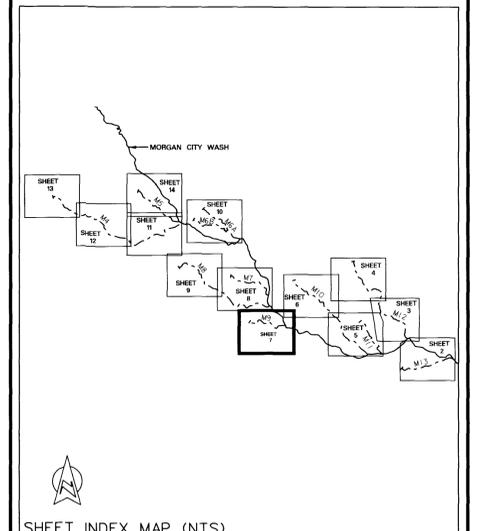
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING TRIBUTARIES TO MORGAN CITY WASH (FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK ERM-20
- FLOOD INSURANCE ZONE ZONE A

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-13	1806.195	BEGINNING AT POINT; MORGAN WEST, THENCE 1.05 MI. NW IN MORGAN CITY WASH TO ERM-13, A 3/8" REBAR SET IN CONCRETE; APPROX. 29' NE OF CENTER LINE OF MORGAN CITY WASH IN AN ALLUVIAL DEPOSIT. MARKED ERM-13 (APPROXIMATE LOCATION DEPICTED)



SCALE: 1" = 200 FT
0 200 400
CONTOUR INTERVAL: 10'
FLIGHT DATE: 03-31-99



A Stanley Group Company
Engineering, Environmental
and Construction Services Worldwide

DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
	IKT	03/01	
DESIGN CHK.	GSB	03/01	RECOMMENDED BY: _____ DATE _____
DRAWN	LRj	03/01	APPROVED BY: _____ DATE _____
SUBMITTED BY:			CHIEF ENGINEER AND GENERAL MANAGER
DATE			SHEET 7 OF 14



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. I, MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR # 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

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**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
**FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING**
**TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)**

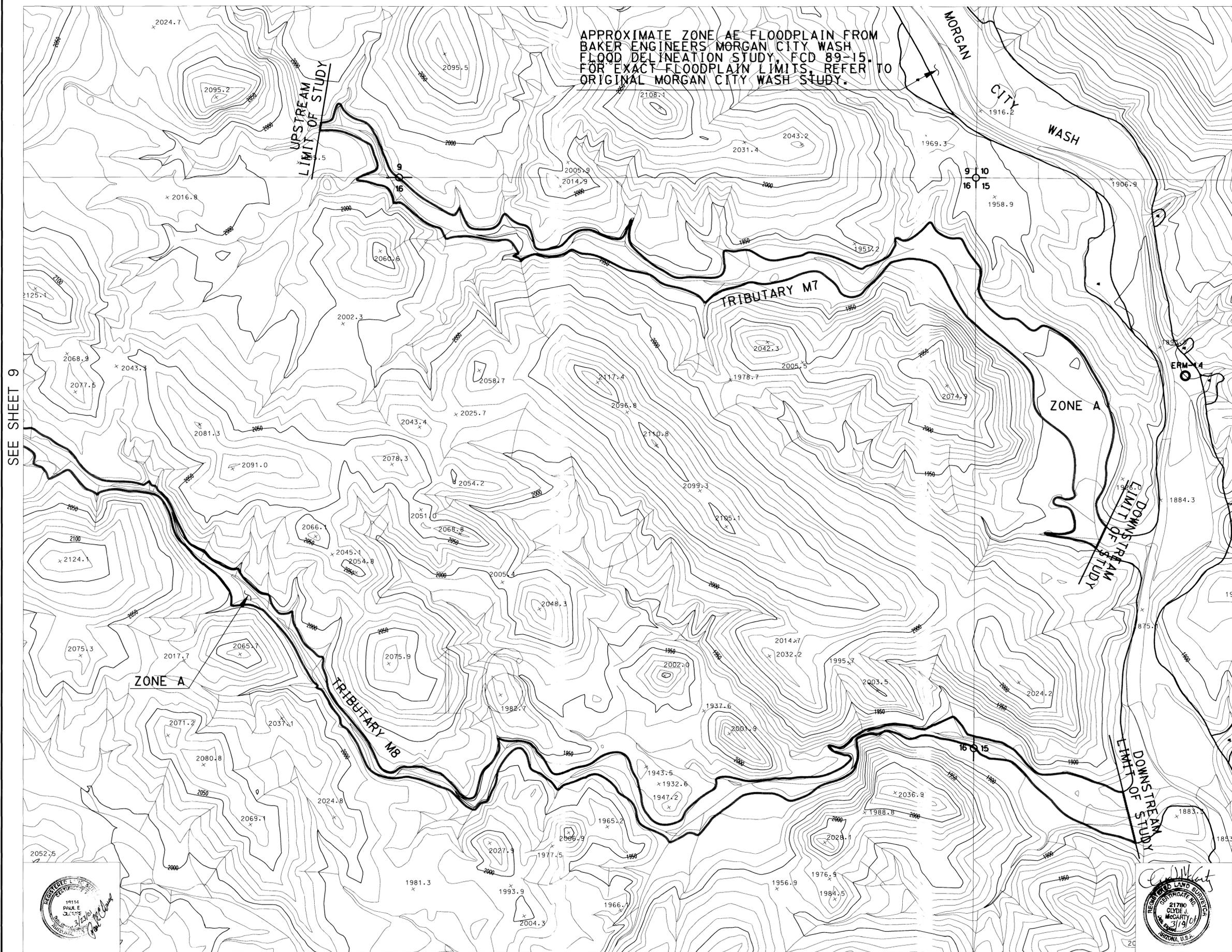
LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK ERM-20
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

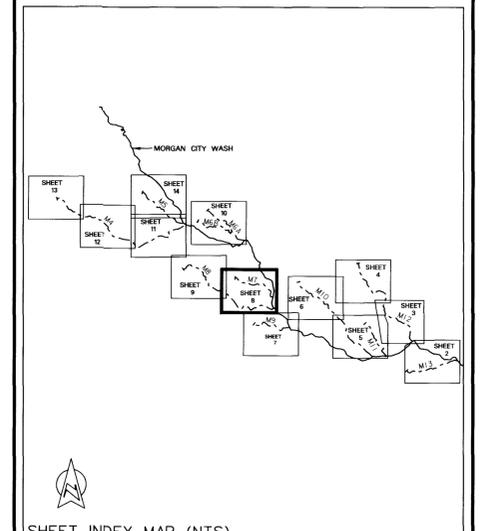
ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-14	1891.945	BEGINNING AT POINT; MORGAN WEST, THENCE 2.10 MI. NW IN MORGAN CITY WASH TO ERM-14, A 3/8" REBAR SET IN CONCRETE, APPROX. 73' NE OF CENTER LINE OF MORGAN CITY WASH AND APPROX. 73' NE OF CENTER LINE OF MORGAN CITY WASH AND APPROX. 20' SOUTH OF EDGE OF ROAD WALL MARKED "ERM-14". (APPROXIMATE LOCATION DEPICTED)

APPROXIMATE ZONE A FLOODPLAIN FROM BAKER ENGINEERS MORGAN CITY WASH FLOOD DELINEATION STUDY, FCD 89-15. FOR EXACT FLOODPLAIN LIMITS, REFER TO ORIGINAL MORGAN CITY WASH STUDY.



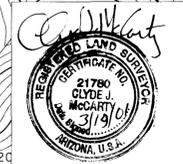
SEE SHEET 9

SEE SHEET 7



SCALE: 1IN = 200 FT
0 200 400
CONTOUR INTERVAL: 10'
FLIGHT DATE: 03-31-99

		DESIGN BY IKT DATE 03/01		FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
		DESIGN CHK. GSB DATE 03/01		
DRAWN LRJ DATE 03/01		RECOMMENDED BY: _____ DATE _____		
		APPROVED BY: _____ DATE _____		
SUBMITTED BY: _____ DATE _____		CHIEF ENGINEER AND GENERAL MANAGER		
SHEET 8 OF 14		DATE _____		



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. I, MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR # 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

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SEE SHEET 11



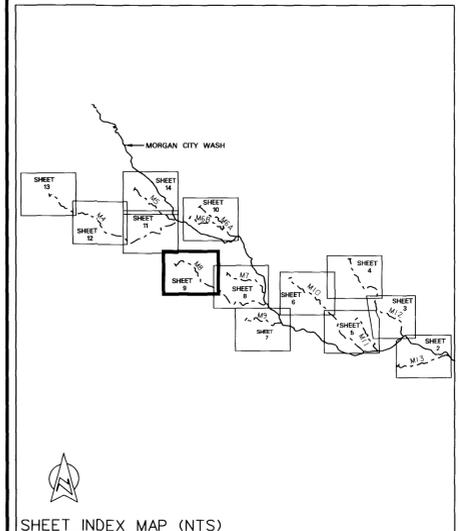
**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
**FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)**

LEGEND

- 100-YR FLOODPLAIN BOUNDARY _____
- ELEVATION REFERENCE MARK **ERM-20**
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
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SCALE: 1" = 200 FT
0 200 400
CONTOUR INTERVAL: 10'
FLIGHT DATE: 03-31-99

DESIGN		BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY RECOMMENDED BY: _____ DATE _____ APPROVED BY: _____ DATE _____ CHIEF ENGINEER AND GENERAL MANAGER SUBMITTED BY: _____ SHEET 9 OF 14 DATE _____
DESIGN CHK.		GSB	03/01	
DRAWN		LRj	03/01	
SUBMITTED BY:				



Stanley Consultants Inc.
A Stanley Group Company
Engineering, Environmental
and Construction Services - Worldwide



COOPER AERIAL OF PHOENIX, INC. HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. I, MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR # 21790, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

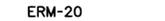
SEE SHEET 8

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FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

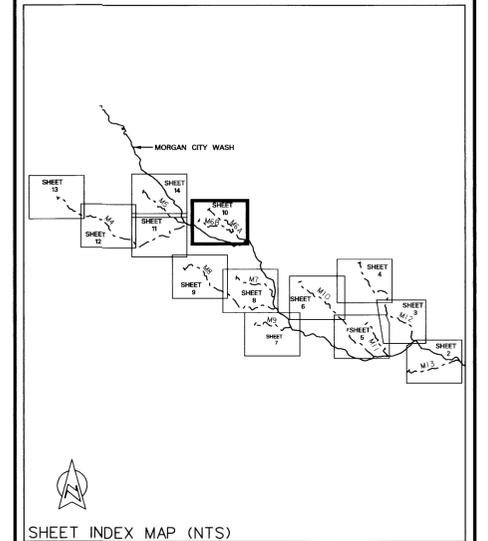
FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY 
- ELEVATION REFERENCE MARK  ERM-20
- FLOOD INSURANCE ZONE  ZONE A

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-16	2055.85	BEGINNING AT POINT, MORGAN WEST, THENCE 4.00 MI. NW IN MORGAN CITY WASH TO ERM-16, A 9" REBAR SET IN CONCRETE, APPROX. 40' NE OF CENTER LINE OF MORGAN CITY WASH, AND APPROX. 6' SOUTH OF SOUTH FACE OF CONCRETE WELL PAD, AND APPROX. 26' SE OF EAST SIDE DRIVEWAY ENTRANCE TO BOG RANCH PROPERTY, MARKED "ERM-16". (APPROXIMATE LOCATION DEPICTED)



SCALE: 1" = 200 FT

0 200 400

CONTOUR INTERVAL: 10'

FLIGHT DATE: 03-31-99



 Stanley Consultants INC.		A Stanley Group Company Engineering, Environmental and Construction Services - Worldwide	
		FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
DESIGN	BY	DATE	RECOMMENDED BY: _____ DATE _____
DESIGN CHK.	GSB	03/01	
DRAWN	LRJ	03/01	
APPROVED BY: _____ DATE _____			DATE _____
SUBMITTED BY: _____			
DATE _____			CHIEF ENGINEER AND GENERAL MANAGER
SHEET 10 OF 14			



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

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SEE SHEET 14



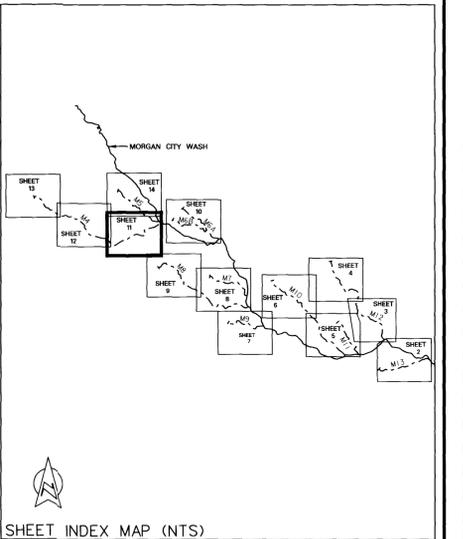
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH (FCD 98-18)

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK **ERM-20**
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
 (NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-17	2155.02	BEGINNING AT POINT: MORGAN WEST THENCE 5.04 MI. NW IN MORGAN CITY WASH TO ERM#17, A 3/8" REBAR SET IN CONCRETE APPROX. 48 FT. SOUTHWEST OF CENTER LINE OF MORGAN CITY WASH. MARKED "ERM#17". (APPROXIMATE LOCATION DEPICTED)



SCALE: 1" = 200 FT
 0 200 400
 CONTOUR INTERVAL: 10'
 FLIGHT DATE: 03-31-99

		A Stanley Group Company Engineering, Instrumental and Construction Services - Worldwide	
		FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
DESIGN	IKT	DATE	03/01
DESIGN CHK.	GSB	DATE	03/01
DRAWN	LRJ	DATE	03/01
SUBMITTED BY:		CHIEF ENGINEER AND GENERAL MANAGER	
DATE		SHEET	11 OF 14

SEE SHEET 12

SEE SHEET 9



COOPER AERIAL OF PHOENIX, INC. I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 10 FOOT CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY MAC MCCARTY, STANLEY CONSULTANTS, INC.

STANLEY CONSULTANTS, INC. I, MAC MCCARTY, ARIZONA REGISTERED LAND SURVEYOR • 21780, CERTIFY THAT THE HORIZONTAL AND VERTICAL SURVEY CONTROL USED TO PRODUCE PHOTOGRAMMETRIC MAPPING FOR THIS STUDY IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

\\13484\MORGAN>NewDgn\SH111.dgn

SEE SHEET 13

SEE SHEET 14

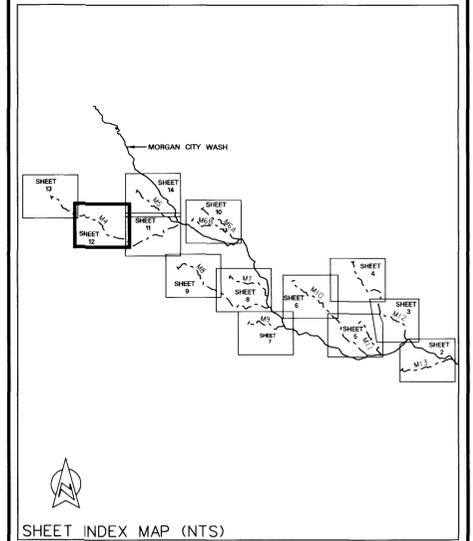
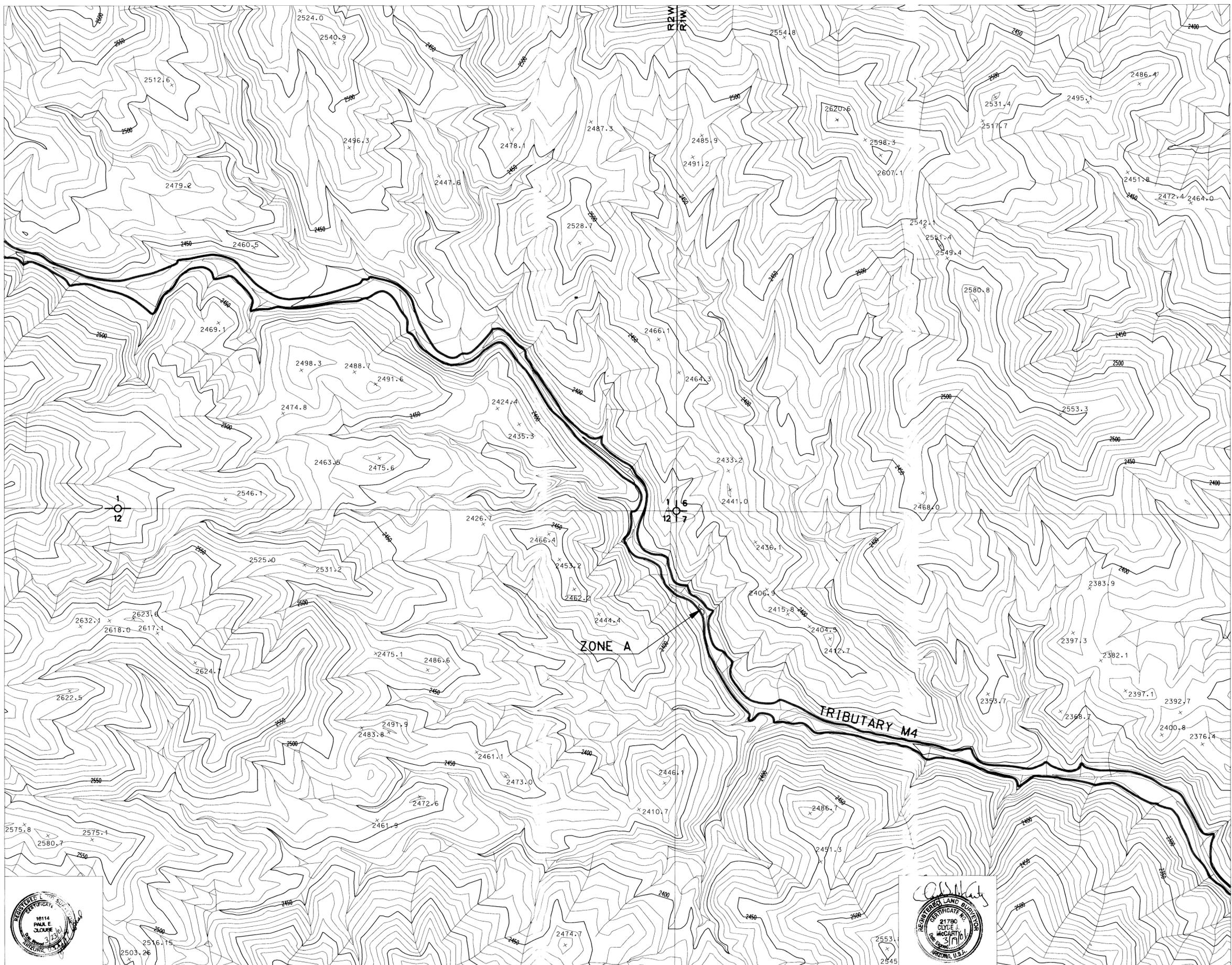
**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
**FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING
TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)**

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- ELEVATION REFERENCE MARK **ERM-20**
- FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
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SCALE: 1" = 200 FT

 CONTOUR INTERVAL: 10'
 FLIGHT DATE: 03-31-99



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		A Stanley Group Company Engineering, Environmental and Construction Services - Worldwide	
DESIGN	BY IKT	DATE 03/01	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	GSB	DATE 03/01	
DRAWN	LRj	DATE 03/01	
SUBMITTED BY:		DATE	RECOMMENDED BY: _____ DATE _____
DATE		DATE	APPROVED BY: _____ DATE _____
DATE		DATE	CHIEF ENGINEER AND GENERAL MANAGER
DATE		DATE	SHEET 12 OF 14

SEE SHEET 11

**FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY**
**FLOODPLAIN DELINEATION AND
TOPOGRAPHIC MAPPING**
**TRIBUTARIES TO MORGAN CITY WASH
(FCD 98-18)**

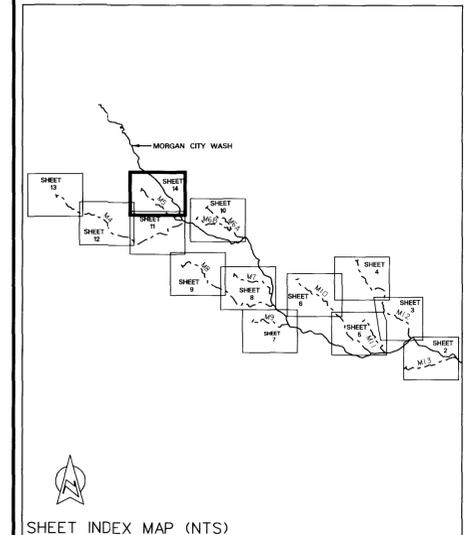
LEGEND

100-YR FLOODPLAIN BOUNDARY 
ELEVATION REFERENCE MARK  ERM-20
FLOOD INSURANCE ZONE **ZONE A**

ELEVATION REFERENCE MARKS
(NATIONAL GEODETIC VERTICAL DATUM OF 1929)

ID NUMBER	ELEVATION (FT)	DESCRIPTION LOCATION
ERM-17	2155.02	BEGINNING AT POINT: MORGAN WEST THENCE 5.04 MI. NW IN MORGAN CITY WASH TO ERM#17, A 3/4" REBAR SET IN CONCRETE APPROX. 48 FT. SOUTHWEST OF CENTER LINE OF MORGAN CITY WASH, MARKED "ERM#17". (APPROXIMATE LOCATION DEPICTED)

APPROXIMATE ZONE A FLOODPLAIN FROM BAKER ENGINEERS MORGAN CITY WASH FLOOD DELINEATION STUDY, FCD 89-15. FOR EXACT FLOODPLAIN LIMITS REFER TO ORIGINAL MORGAN CITY WASH STUDY.



SCALE: 1IN = 200 FT
0 200 400
CONTOUR INTERVAL: 10'
FLIGHT DATE: 03-31-99

		A Stanley Group Company Engineering, Environmental and Construction Services - Worldwide	
DESIGN	BY	DATE	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
	IKT	03/01	
DESIGN CHK.	GSB	03/01	RECOMMENDED BY:
DRAWN	LRj	03/01	APPROVED BY:
SUBMITTED BY:			DATE
DATE			CHIEF ENGINEER AND GENERAL MANAGER
			SHEET 14 OF 14

SEE SHEET 12

SEE SHEET 11



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q:\13484\MORGAN-NewDgn\SH14.dgn