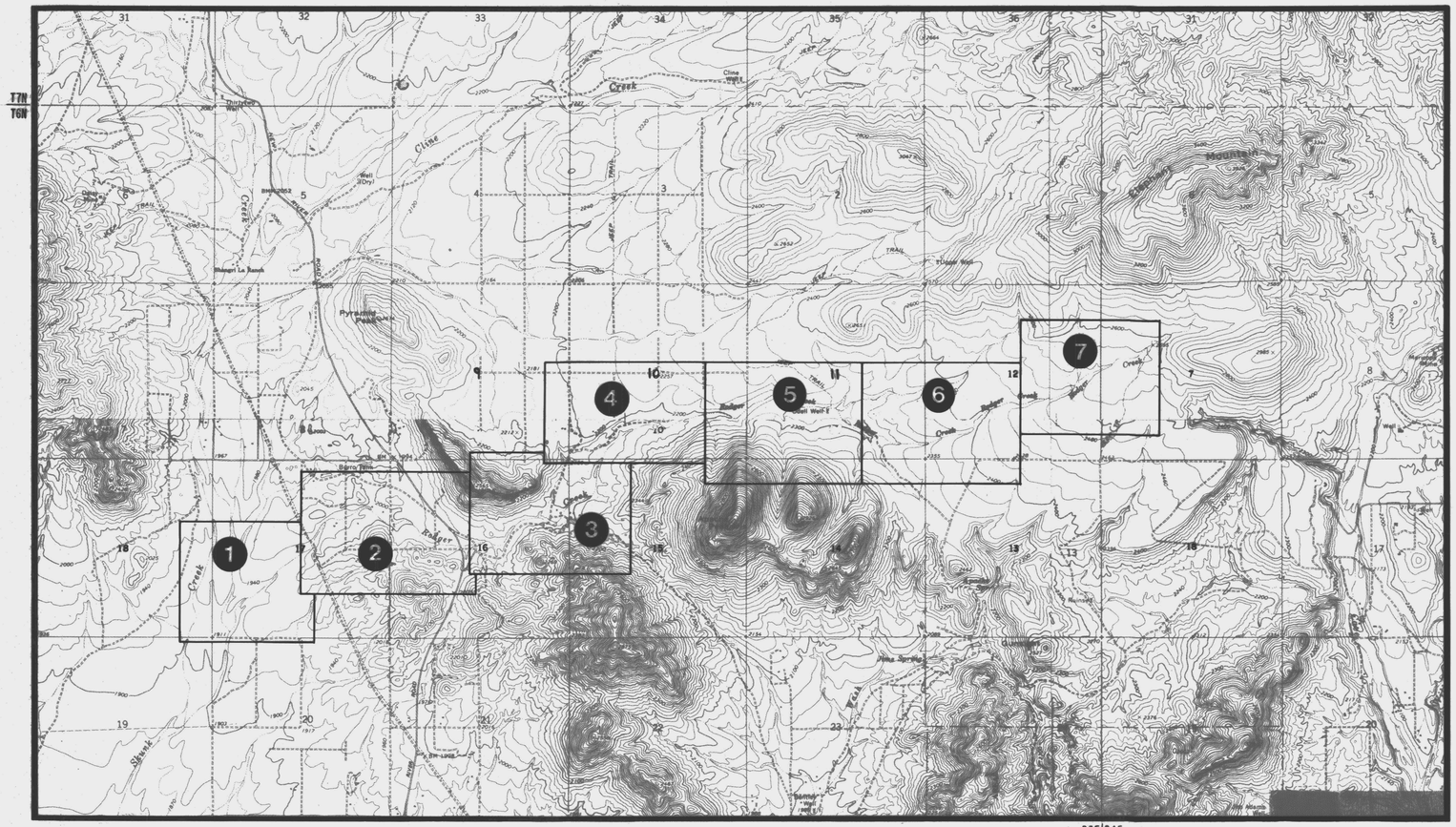
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

D.E. SAGRAMOSO, CHIEF ENGINEER AND GENERAL MANAGER

RODGER CREEK FLOODPLAIN DELINEATION STUDY

SKUNK CREEK TO RIVER MILE 6.4



100-YEAR FLOODPLAIN DELINEATION DISCHARGES

REACH	DISCHARGE
Skunk Creek to 18th. Street	6170 cfs
18th. Street to 28th. Street	5450 cfs
Upstream of 28th. Street	2890 cfs

VICINITY MAP

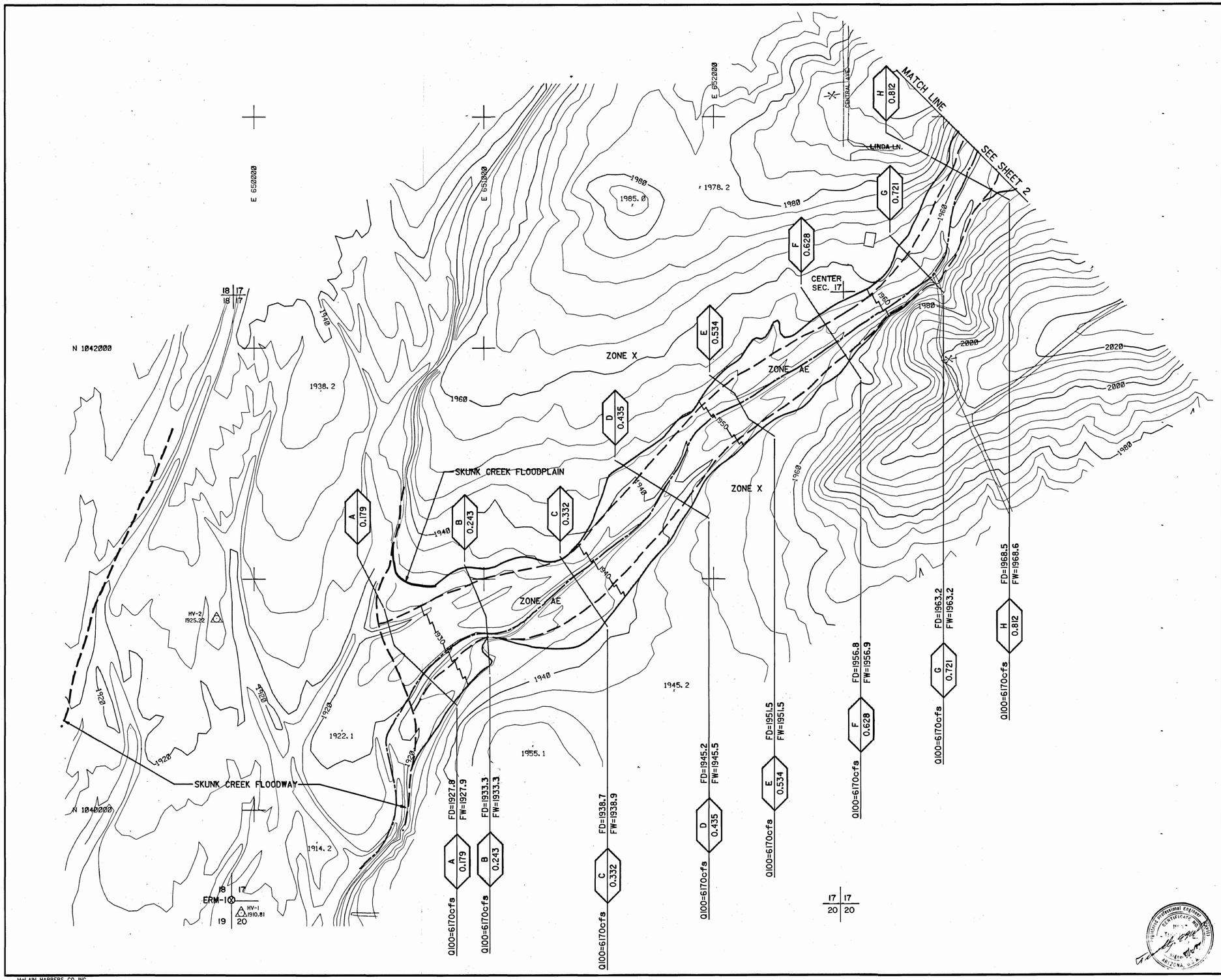
Scale 1 inch = 2000 Feet (2 0 2 4 6 8 10; one mile)

Study Date : 1990
Mapping Date : 1989
Aerial Mapping : McLain Harbers Co., Inc.

CENTRAL FILES
308

Baker Engineers 50 YEARS OF SERVICE
Michael Baker Jr., Inc.

RODGER CREEK/SKUNK CREEK TO
RIVER MILES 6.4 FIS
MICHAEL BAKER
STUDY 1990 FCD 89-15



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100=XXXcfs B 1.00 FD = 100yr. WSE FW = FLOODWAY WSE B 1.00
Elevation Reference Marks	ERM-4
Base Flood Elevations	2180
Zone Designations	ZONE AE

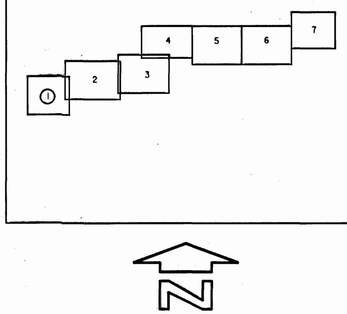
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM-1	1911.952	U.S. GLO B.C. ON 2" I.P., 1.4 FEET ABOVE GROUND SECTION CORNER FOR SECTIONS 17,18,19,&20

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



CONTOUR INTERVAL = 4' FEET

Michael Baker, Jr., Inc.
4105 North 20th. Street, Suite 220
Phoenix, Arizona 85016

	BY	DATE		DATE	SHEET
Design	B.R. Jolly P.E.	8-16-90	SUBMITTED BY		1
Design Chk.	T.E. Kelly P.E.	8/16/90	RECOMMENDED BY		OF 7
Plans	S.S Obertello	8-16-90	APPROVED BY		
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER		

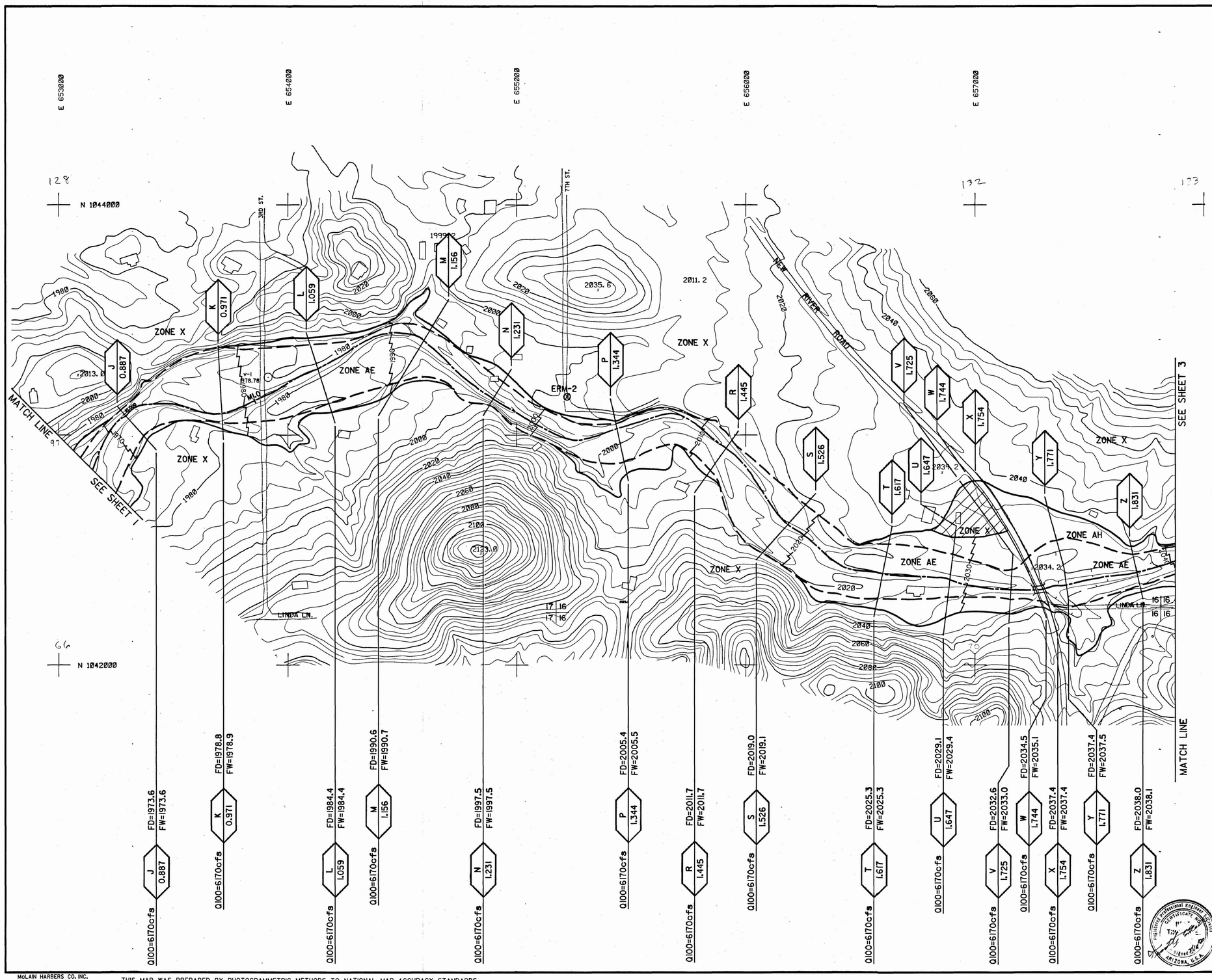
Registered Professional Engineer (Civil) Certificate No. 19706 Brian R. Jolly Arizona, U.S.A.

McLAIN HARBERS CO. INC.
AERIAL MAPPING & SURVEYING
1665 E. 18th St. Suite 102
Tucson, Arizona 85719

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1" = 200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY BAKER ENG.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK



LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100=XXXcfs B 1.00 FD = 100yr. WSE FW = FLOODWAY WSE B 1.00
Elevation Reference Marks	ERM-4
Base Flood Elevations	2180
Zone Designations	ZONE AE

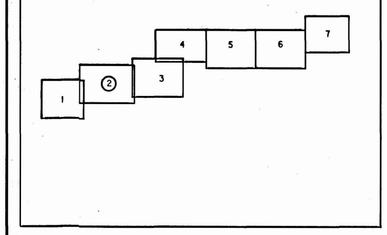
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM-2	1999.650	A 5/8" REBAR SET IN CONCRETE, 25.5 FEET WEST OF CENTERLINE 0.33 MILES SOUTH OF HONDA BOW ROAD ON 7TH STREET

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



N

200 0 200 400
scale
CONTOUR INTERVAL = 4' FEET

Michael Baker, Jr., Inc.
4105 North 20th Street, Suite 220
Phoenix, Arizona 85016

	BY	DATE	SUBMITTED BY	DATE	SHEET
Design	B.R. Jolly P.E.	8-16-90			2
Design Chk.	T.E. Kelly P.E.	8/16/90	RECOMMENDED BY	DATE	
Plans	S.S Obertello	8-16-90	APPROVED BY	DATE	OF 7
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER		

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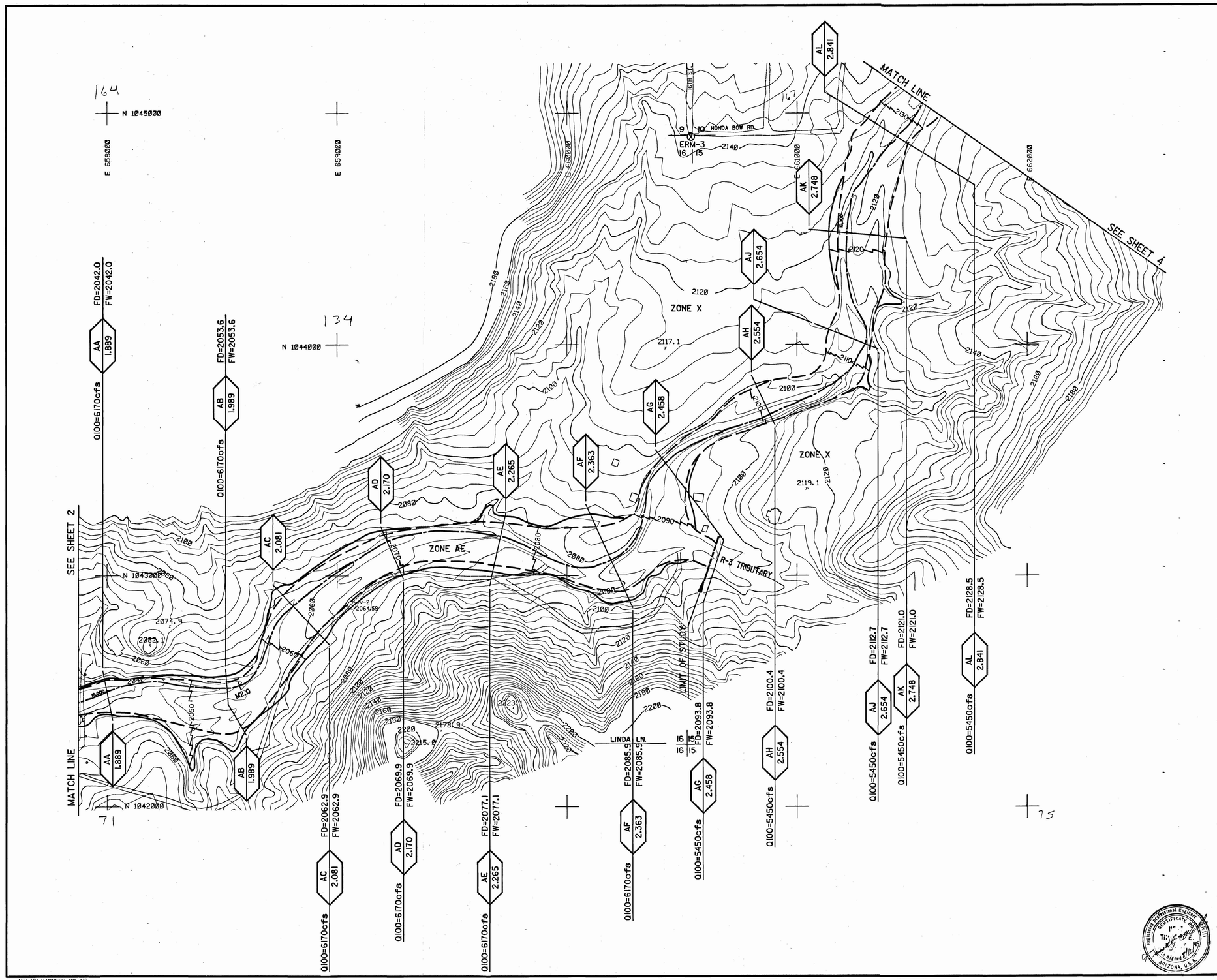


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q100=XXXcfs B 1.00 FD = 100yr. WSE FW = FLOODWAY WSE B 1.00
Elevation Reference Marks	ERM-4 ⊗
Base Flood Elevations	2180
Zone Designations	ZONE AE

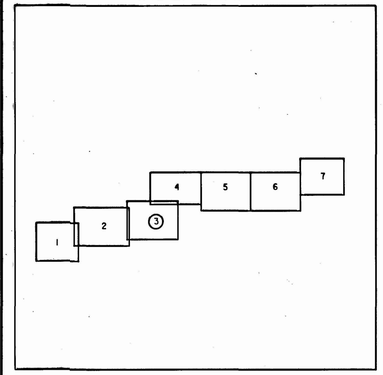
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM-3	2141.980	U.S. GLO BC ON 2" I.P., SECTION CORNER FOR SECTION 9,10,15,&16 1.0 MILES SOUTH OF CIRCLE MOUNTAIN ROAD ON 16TH STREET

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



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scale
CONTOUR INTERVAL = 4' FEET

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Phoenix, Arizona 85016

	BY	DATE	SUBMITTED BY	DATE	SHEET
Design	B.R. Jolly P.E.	8-16-90			3
Design Chk.	T.E. Kelly P.E.	8/16/90	RECOMMENDED BY	DATE	
Plans	S.S Obertello	8-16-90	APPROVED BY	DATE	
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER		OF 7

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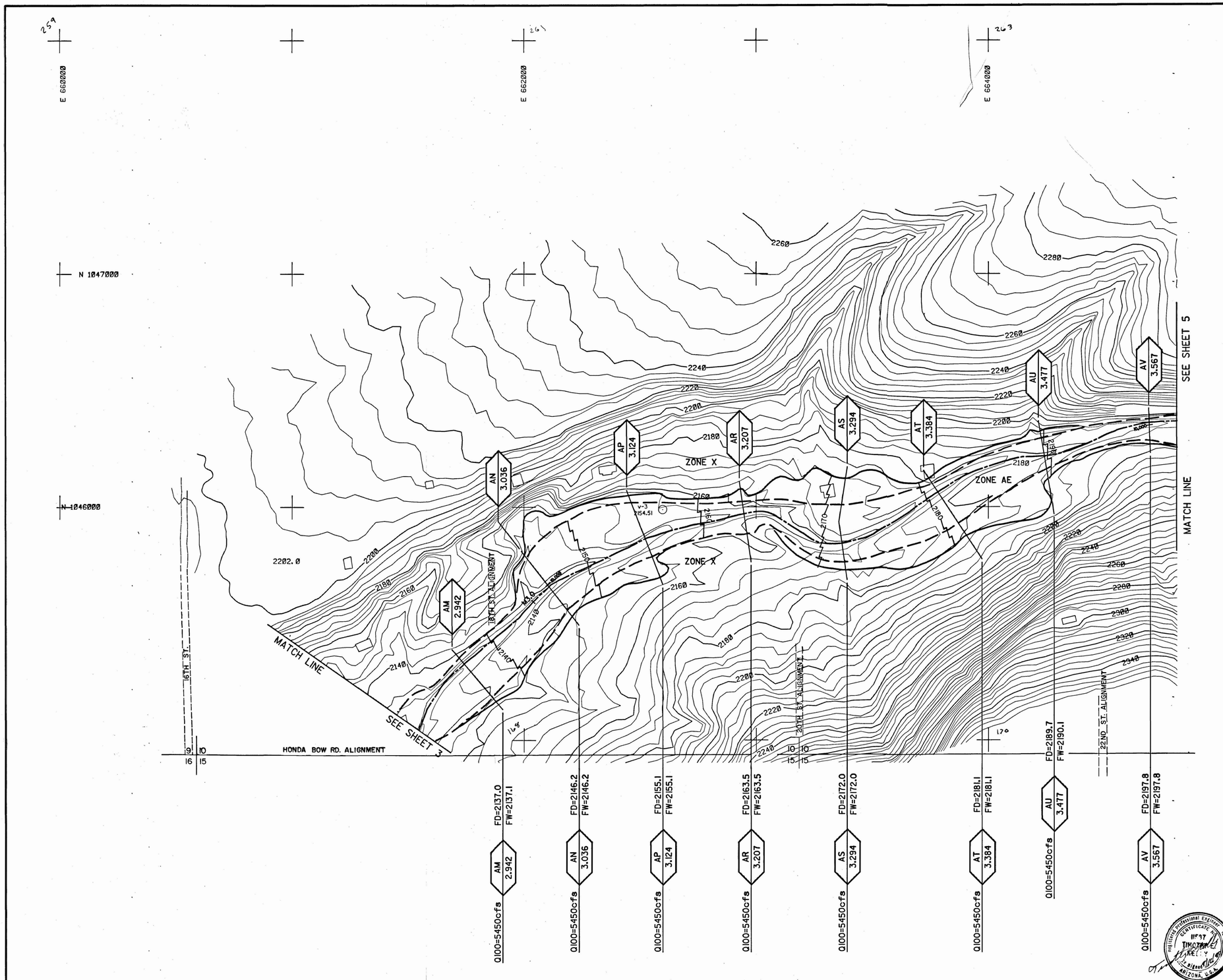


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — 100=XXXcfs; B 1.00; FD = 100yr. WSE; FW = FLOODWAY WSE; B 1.00

Elevation Reference Marks — ERM-4

Base Flood Elevations — 2180

Zone Designations — ZONE AE

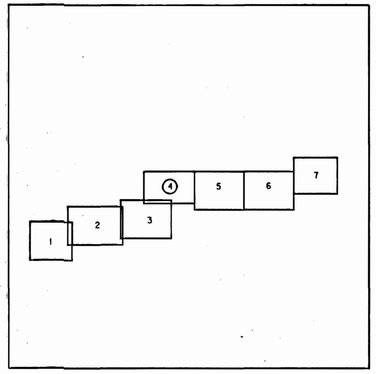
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
NONE		

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



N

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scale

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Design Chk.	T.E. Kelly P.E.	8/16/90	RECOMMENDED BY	DATE
Plans	S.S Obertello	8-16-90	APPROVED BY	DATE
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET 4 OF 7

Registered Professional Engineer (Civil) Certificate No. 11537 Timothy E. Kelly Arizona U.S.A.

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AERIAL MAPPING & SURVEYING
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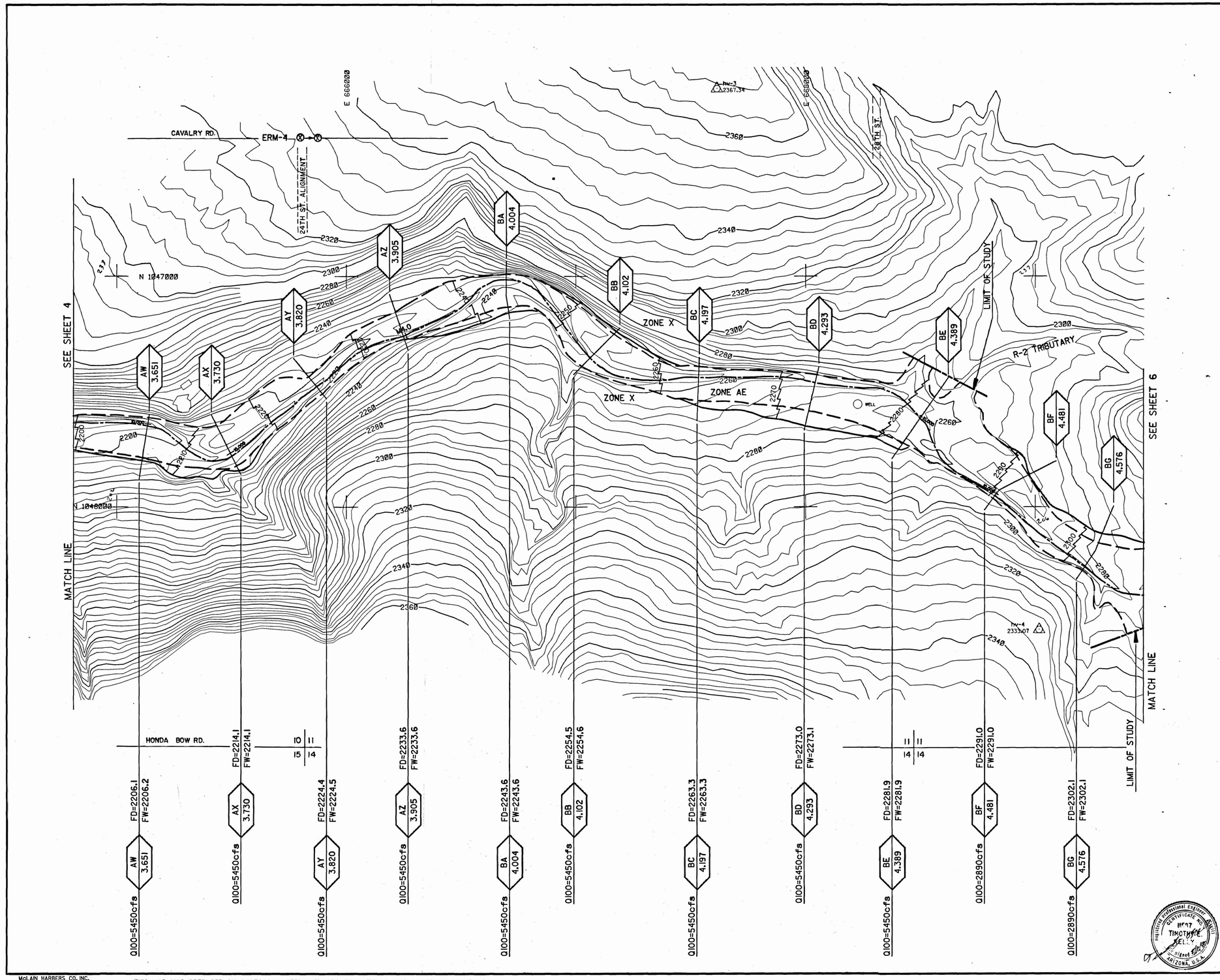


T6N

R3E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — 100=XXXcfs; FD = 100yr. WSE; FW = FLOODWAY WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 2180

Zone Designations — ZONE AE

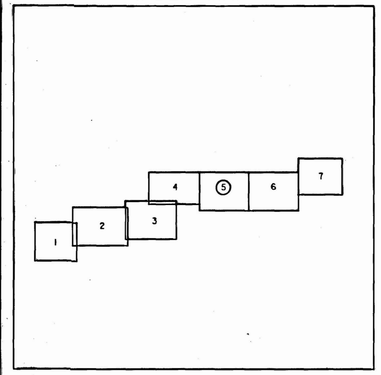
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM-4	2329.270	5/8" REBAR SET IN CONCRETE 3' WEST OF BARBED WIRE FENCE-1.05 MILES EAST OF 16TH STREET ON CALVARY ROAD

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



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Design	B.R. Jolly P.E.	8-16-90			5
Design Chk.	T.E. Kelly P.E.	8/16/90	RECOMMENDED BY	DATE	
Plans	S.S Obertello	8-16-90	APPROVED BY	DATE	
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER		OF 7

Registered Professional Engineer (Civil) CERTIFICATE NO. 11597 TIMOTHY E. KELLY Signed 8/16/90 ARIZONA, U.S.A.

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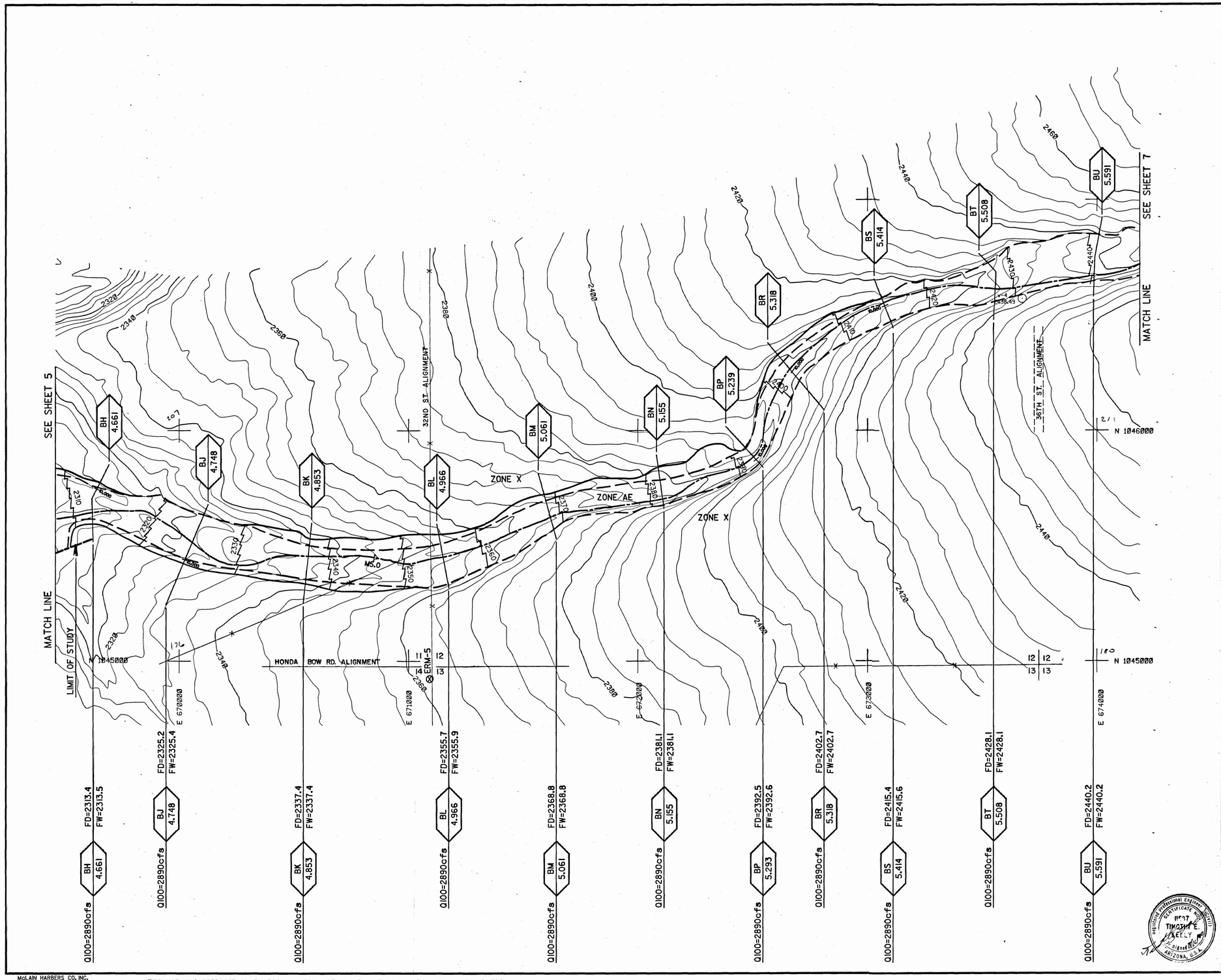


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 — M5.0

Cross Section — Q 100=XXXcfs — B 1.00 — FD = 100yr. WSE — FW = FLOODWAY WSE — B 1.00

Elevation Reference Marks — ERM-4

Base Flood Elevations — 2180

Zone Designations — ZONE AE

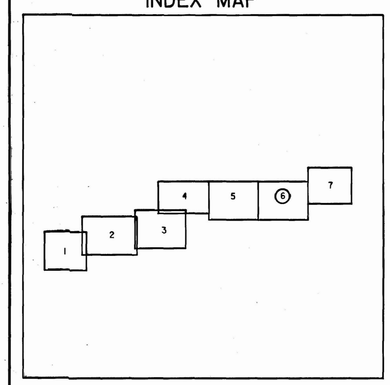
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM-5	2363.725	FROM ERM-4 PROCEED 0.01 MI. N. TO BARBED WIRE FENCE GATE, THENCE PROCEED 1.49 MI. EASTERLY ALONG WINDING ROAD TO A 4' BARBED WIRE FENCE AND GATE, THENCE 0.25 MI. N. ALONG BARBED WIRE FENCE TO ERM-5, A U.S. GLO BC ON 2" IRON PIPE 1.4' ABOVE NATURAL GROUND AND 6' W. OF BARBED WIRE FENCE; SECTION CORNER OF SECTIONS 11, 12, 13, 14-"1922"

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



200 0 200 400
scale
CONTOUR INTERVAL = 4' FEET

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4105 North 20th. Street, Suite 220
Phoenix, Arizona 85016

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Design Chk.	T.E. Kelly P.E.	8-16-90	RECOMMENDED BY	DATE
Plans	S.S Obertello	8-16-90	APPROVED BY	DATE
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET 6 OF 7

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Tucson, Arizona 85719

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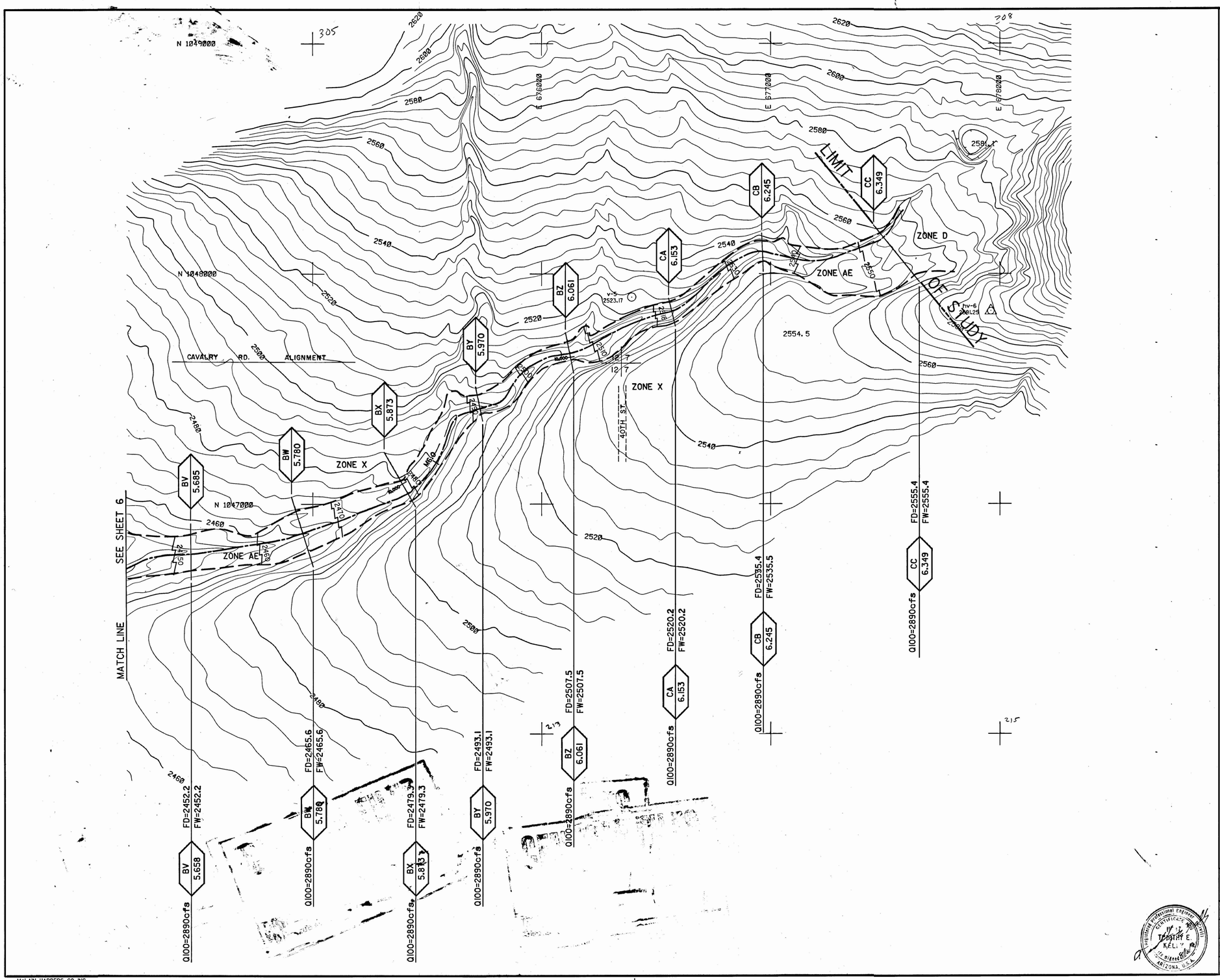
T6N

R3E



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RODGER CREEK

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	100=XXXcfs B/100 FD = 100yr. WSE FW = FLOODWAY WSE B/100
Elevation Reference Marks	ERM-4
Base Flood Elevations	2180
Zone Designations	ZONE AE

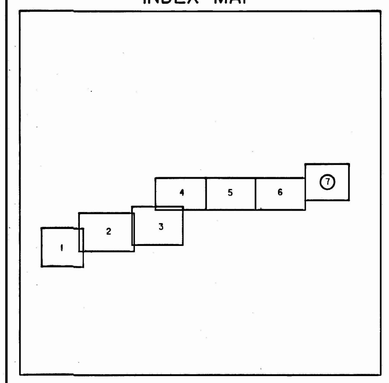
ELEVATION REFERENCE MARKS

NOTE: All Elevation Are Based On National Geodetic Vertical Datum Of 1927

I.D. NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
NONE		

NOTE:
CROSS SECTION STATION 10,000.0 IS HYDRAULIC BASE LINE EXCEPT AS NOTED

INDEX MAP



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Plans	S.S Obertello	8-16-90	APPROVED BY	DATE	
Plans Chk.	B.R. Jolly P.E.	8-16-90	CHIEF ENGINEER AND GENERAL MANAGER		OF 7

Registered Professional Engineer (Civil) Certificate No. 16811 Timothy E. Kelty Signature Date Arizona, U.S.A.

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R3E | R4E