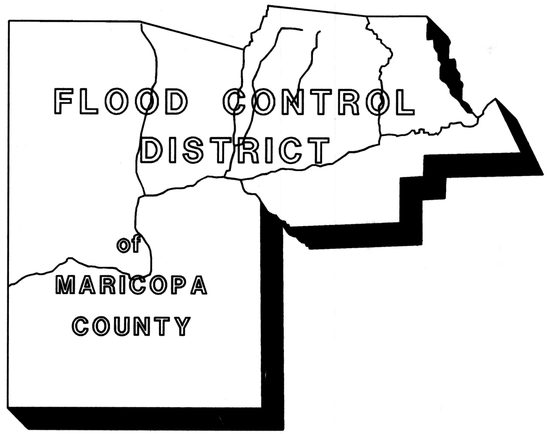
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

APACHE WASH & ITS TRIBUTARIES

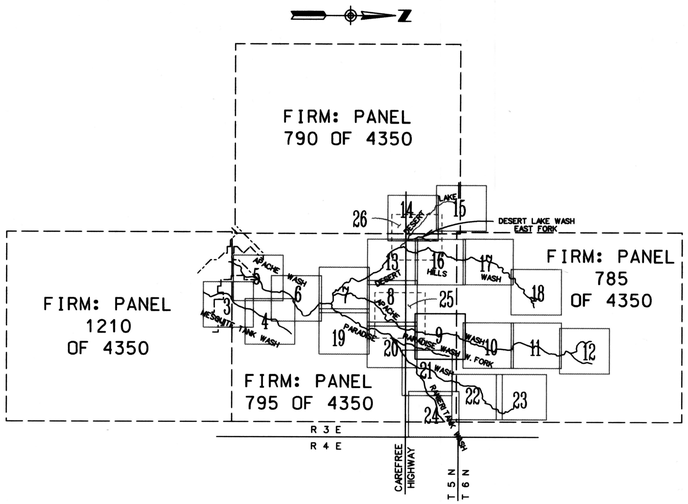
FLOOD INSURANCE STUDY



APACHE WASH AND TRIBUTARIES

APACHE WASH
MESQUITE TANK WASH
PARADISE WASH
PARADISE WASH - WEST FORK
RANIERI TANK WASH
DESERT HILLS WASH
DESERT LAKE - EAST FORK
DESERT LAKE WASH

INDEX MAP



F.C.D. CONTRACT NO.89-66

NOTES:

1. HORIZONTAL AND VERTICAL CONTROL FOR THIS MAPPING PROVIDED THROUGH THE CITY OF PHOENIX. CONTACT MIKE MILLER AT (602) 495-2075 FOR ADDITIONAL INFORMATION.

2. COORDINATES ARE ARIZONA STATE PLANE, CENTRAL ZONE, NAD 1927.

3. ELEVATIONS ARE IN REFERENCE TO NATIONAL GEODETIC VERTICAL DATUM 1929.

C[illegible] FILES
DR[illegible] 318

APACHE WASH AND TRIBUTARIES
FIS
JERRY JONES & ASSOC.
STUDY 1993 FCD 89-66

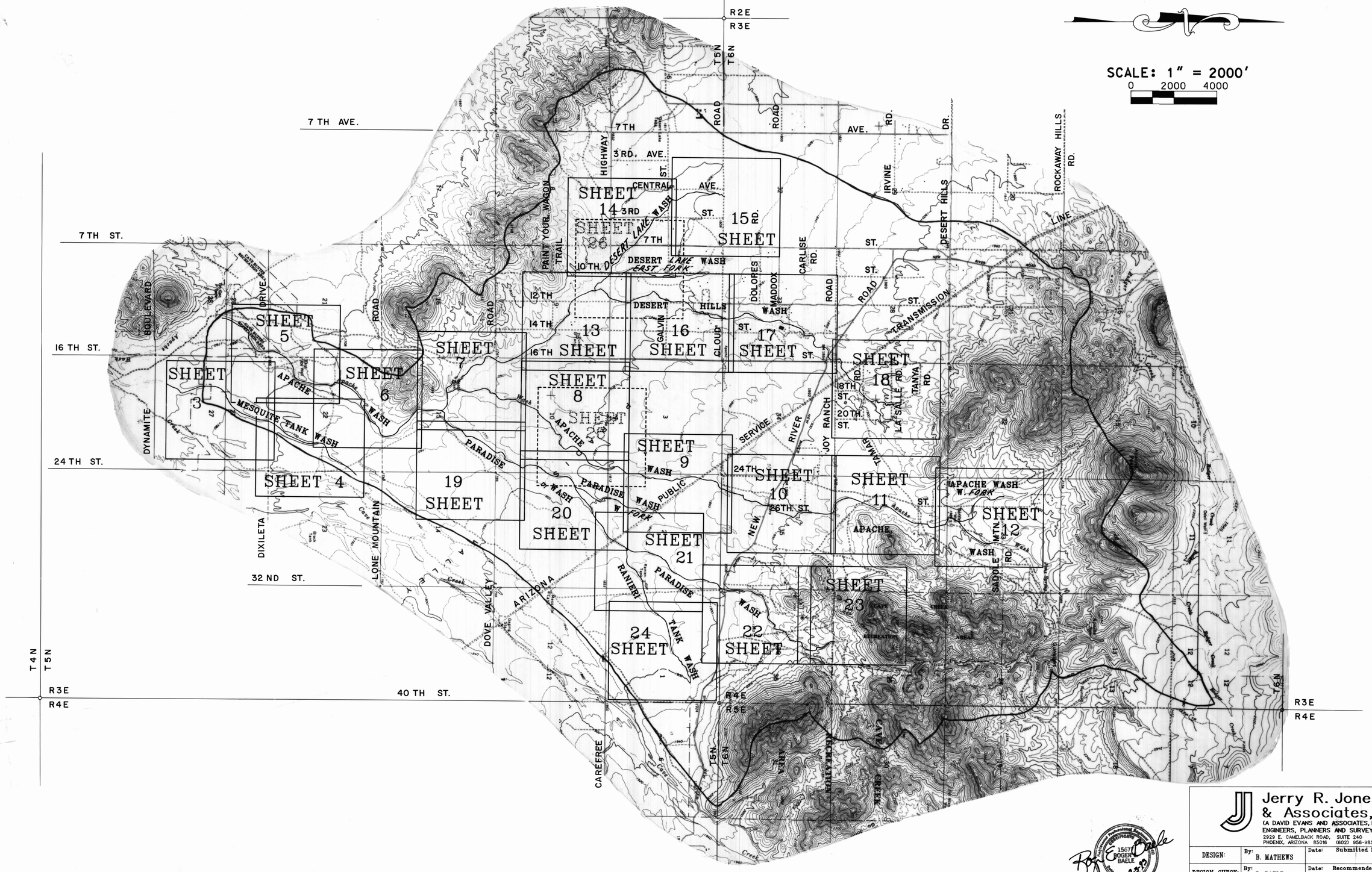
Jerry R. Jones
& Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

REGISTERED PROFESSIONAL ENGINEER
15677
ROGER E. BAELE
11-19-93
ARIZONA, U.S.A.

DESIGN:	By: B. MATHEWS	Date:	Submitted By:	Date:
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By:	Date:
PLANS:	By: B. O'NEILL	Date:	Approved By:	Date:
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET: 1 OF: 26

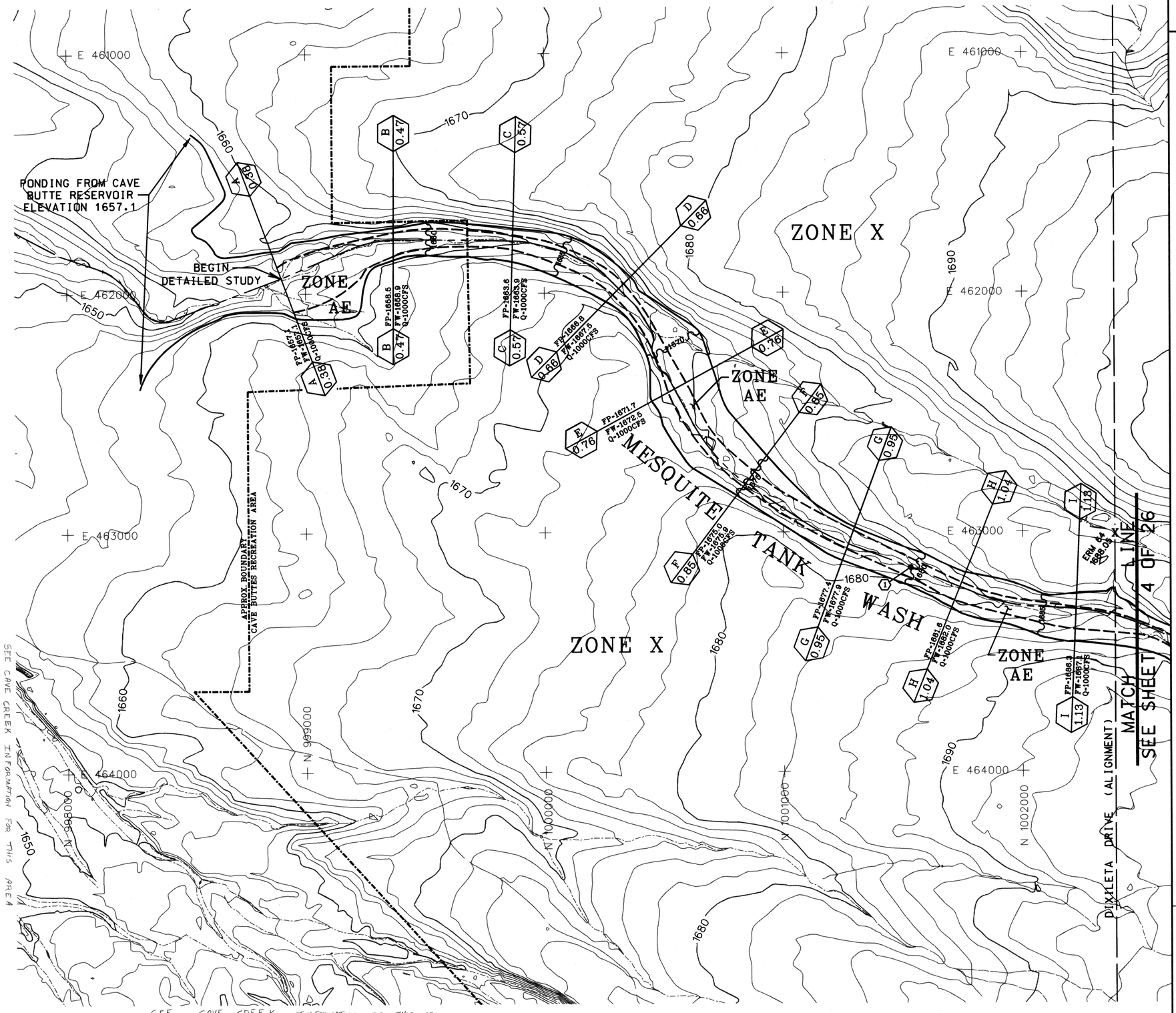
APACHE WASH FLOOD INSURANCE STUDY INDEX SHEET



Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date:	Submitted By: Date:	SHEET:
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By: Date:	2
PLANS:	By: B. O'NEILL	Date:	Approved By: Date:	OF:
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER	26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE
- # = RIVER MILE
- CROSS SECTION — A 1.00 | FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) | A 1.00
- ELEVATION REFERENCE MARKS — ERM 57 X 1743.76
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER — 16 | 9 / 15 | 10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

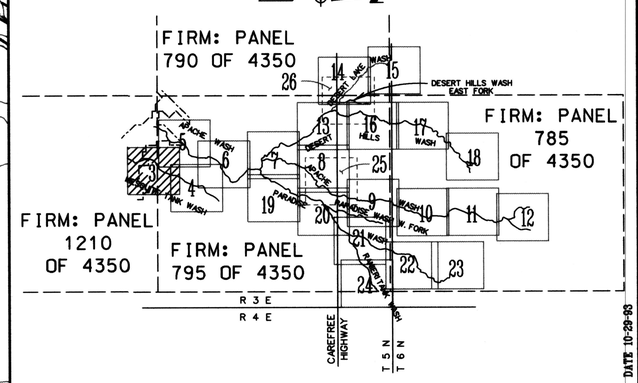
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 64	1688.05	TOP OF STONE; ¼COR. SECS. 22 & 27 T5N R3E

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANELS 795 AND 1210 OF 4350.

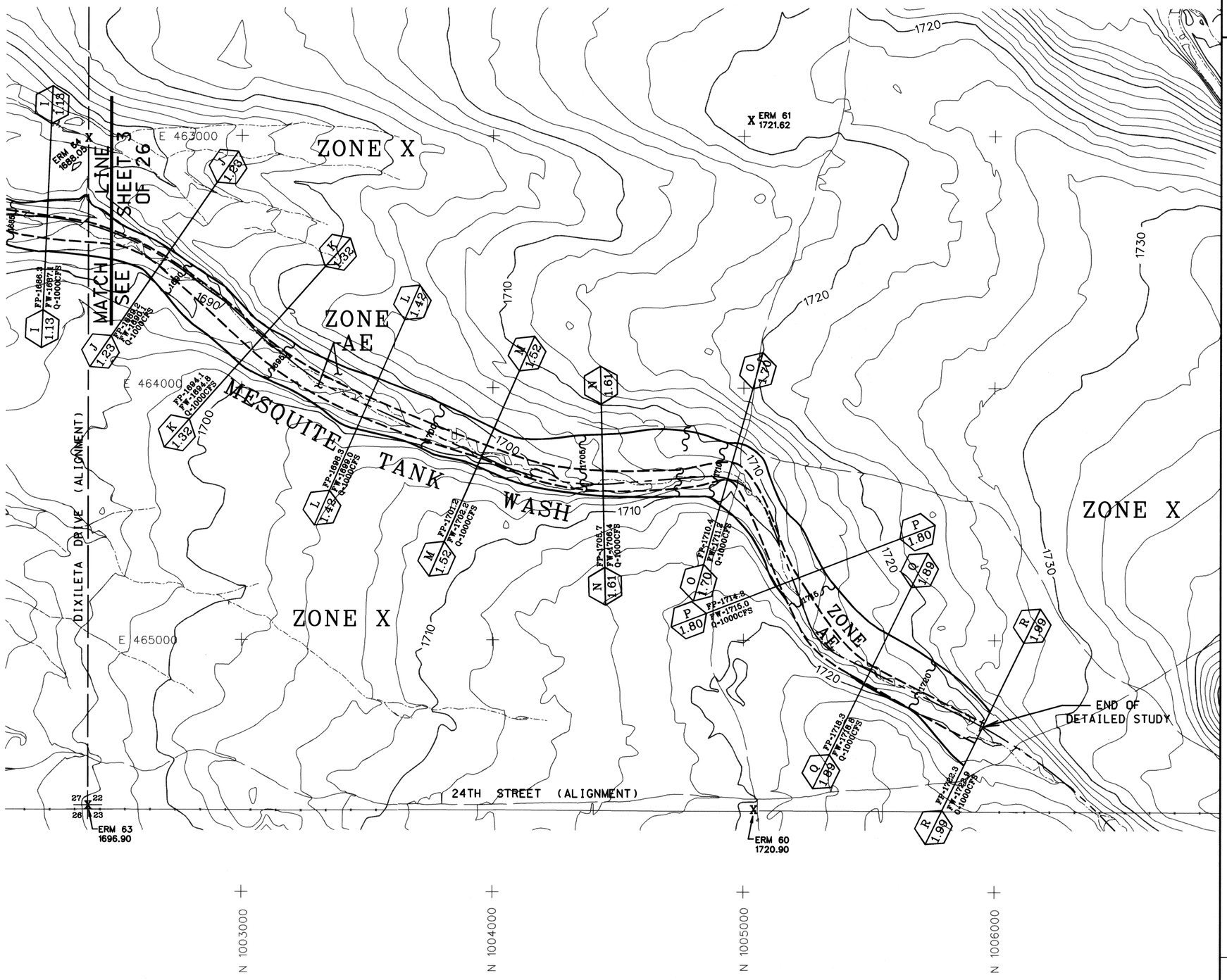
PLOT DATE 10-29-96

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE 11-15-93 REGISTERED PROFESSIONAL ENGINEER ARIZONA, U.S.A.

	By:	Date:		Date:	SHEET:
DESIGN:	B. MATHEWS		Submitted By:		3
DESIGN CHECK:	R. BAELE		Recommended By:		OF: 26
PLANS:	B. O'NEILL		Approved By:		
PLANS CHECK:	R. BAELE		CHIEF ENGINEER AND GENERAL MANAGER		

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
# = RIVER MILE	#
CROSS SECTION	A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS) — A 1.00
ELEVATION REFERENCE MARKS	ERM 57 X 1743.76
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 | 9 / 15 | 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

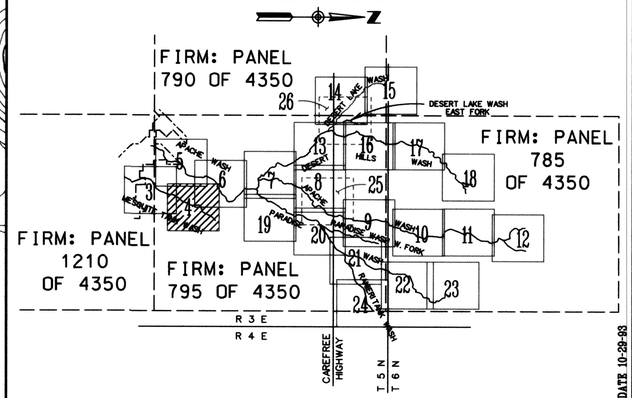
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 60	1720.90	TOP OF 1" IRON PIPE W/CAP "M.WIER LS7247" 7' WEST OF FENCE: EAST ¼COR. SEC.22 T5N R3E
ERM 61	1721.62	TOP OF ½" IRON REBAR, FLUSH, "NEAR" CENTER ¼COR. SEC.22 T5N R3E, SET 6/90 FOR AERIAL CONTROL.
ERM 63	1696.90	TOP OF STONE 18' WEST OF FENCE: NE COR. SEC. 27 T5N R3E
ERM 64	1688.05	TOP OF STONE: ¼COR. SECS. 22 & 27 T5N R3E

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-8471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8945 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

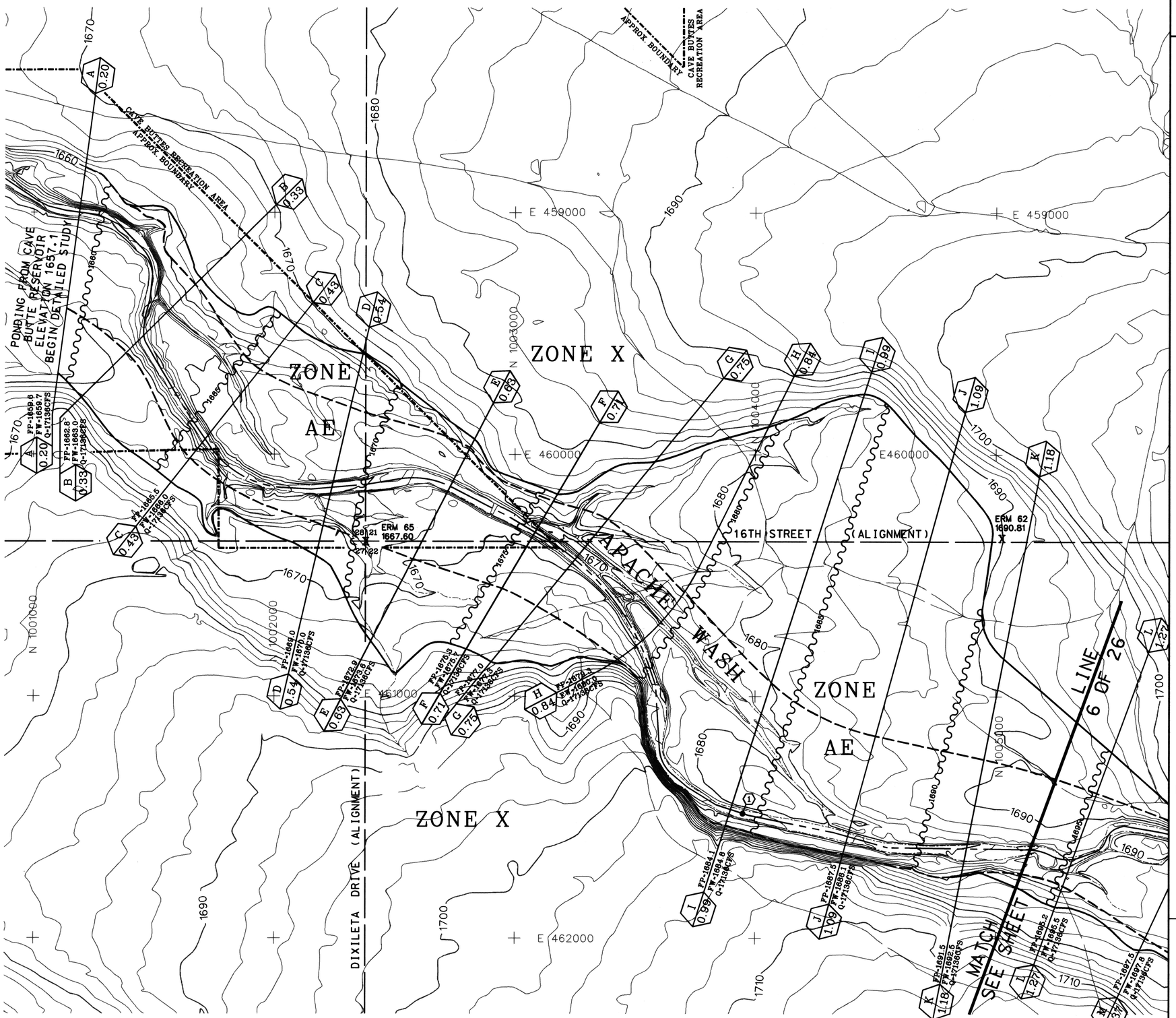
15677 ROGER E. BAELE Registered Professional Engineer 11-15-93 ARIZONA, U.S.A.

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date: Submitted By:	Date:
DESIGN CHECK:	By: R. BAELE	Date: Recommended By:	Date:
PLANS:	By: B. O'NEILL	Date: Approved By:	Date:
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER	

SHEET: 4 OF: 26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	
CROSS SECTION	A 1.00 FP-100yr. WSE FW-Floodway WSE Q-100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

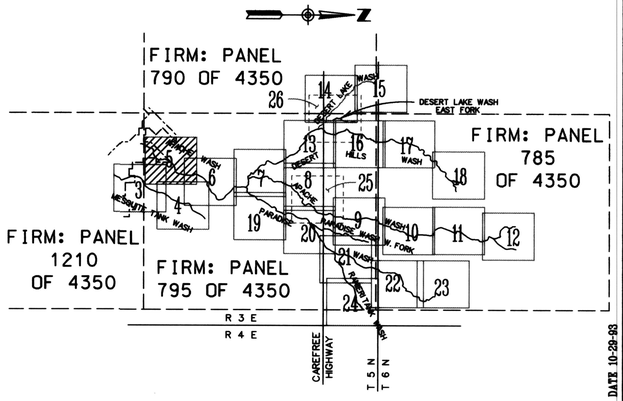
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 62	1690.81	TOP OF STONE: WEST 1/4 COR. SEC.22 T5N R3E
ERM 65	1667.60	TOP OF STONE: NE COR. SEC.28 T5N R3E

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

15677 ROGER E. BAELE 11-15-93 ARIZONA, U.S.A.

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

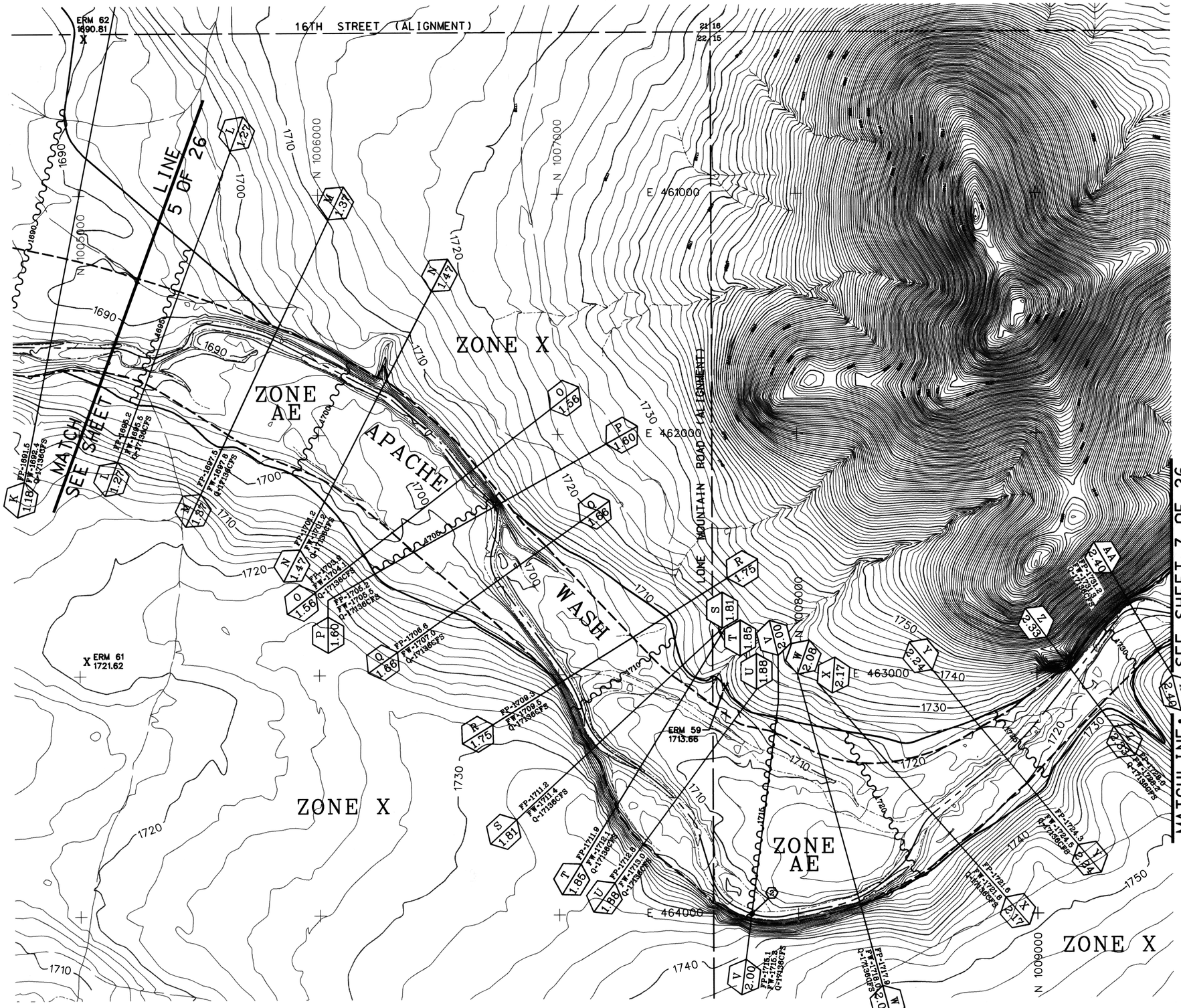
DESIGN:	By: B. MATHEWS	Date:	Submitted By:	Date:
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By:	Date:
PLANS:	By: B. O'NEILL	Date:	Approved By:	Date:
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET: 5 OF: 26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



200 0 200 600

2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 A — FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS))
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16|9 / 15|10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

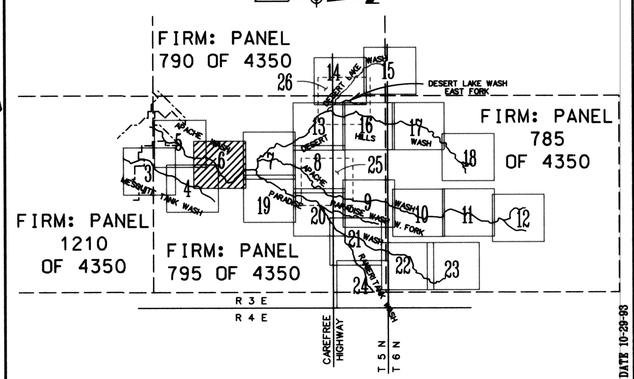
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 59	1713.66	TOP OF STONE: SOUTH ¼COR. SEC. 15 T5N R3E
ERM 61	1721.62	TOP OF ½" IRON REBAR, FLUSH, "NEAR" CENTER ¼COR. SEC. 22 T5N R3E, SET 6/90 FOR AERIAL CONTROL.
ERM 62	1690.81	TOP OF STONE: WEST ¼COR. SEC. 22 T5N R3E

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

Jerry R. Jones & Associates, Inc.
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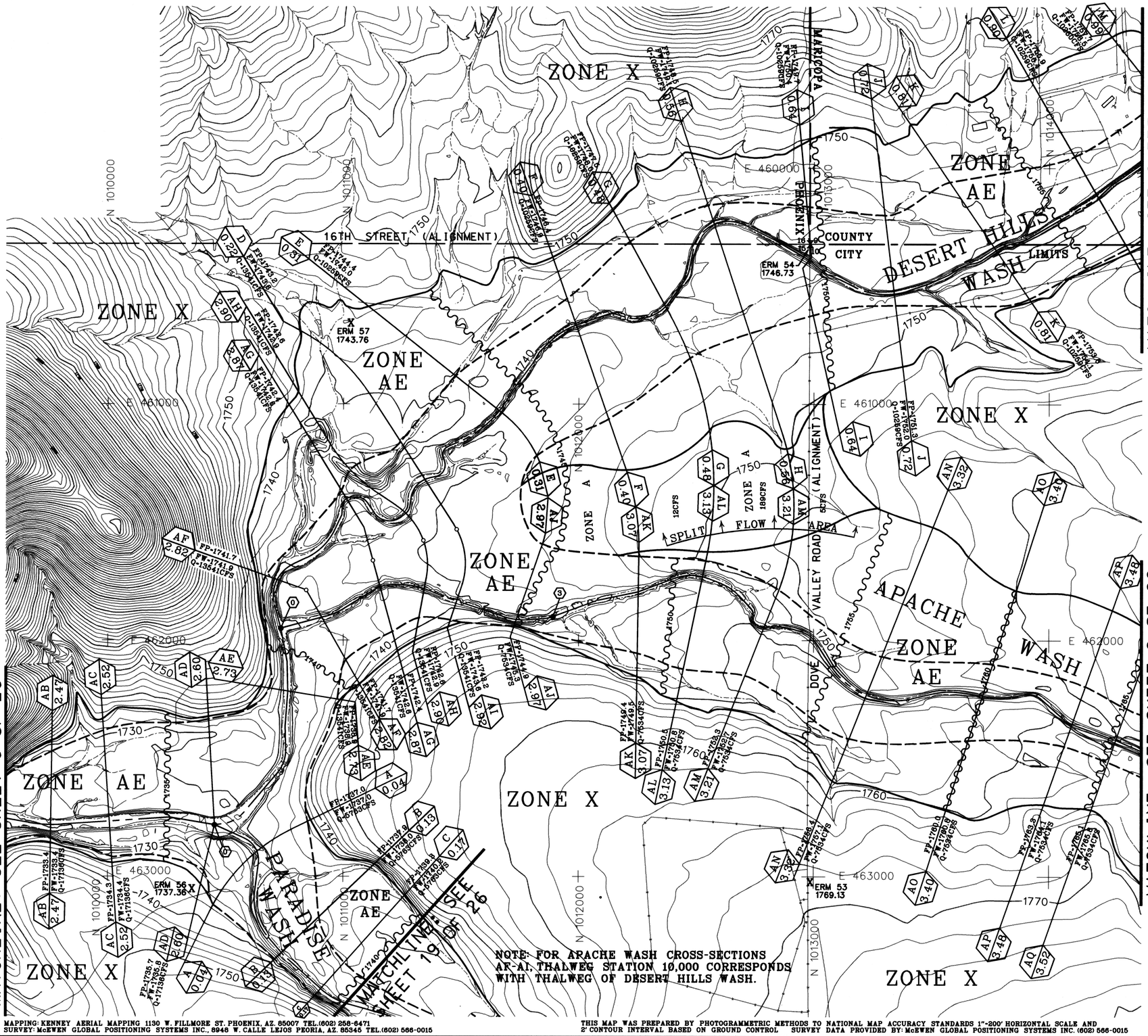
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE 11-15-93

DESIGN:	By: B. MATHEWS	Date: Submitted By:	Date:	SHEET: 6
DESIGN CHECK:	By: R. BAELE	Date: Recommended By:	Date:	
PLANS:	By: B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-8471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8946 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A / 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS))
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16|9 / 15|10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

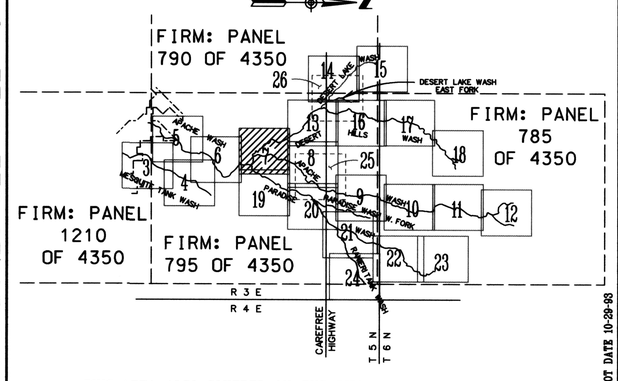
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 53	1769.13	TOP OF ½" IRON REBAR, "NEAR" NORTH ¼COR. SEC.15 T5N R3E, SET 6/90 FOR AERIAL CONTROL, 9.4' NORTH OF BARBED WIRE FENCE.
ERM 54	1746.73	TOP OF 2" BRASS CAP "HORNOR LS14187"; NW COR. SEC.15 T5N R3E.
ERM 56	1737.36	TOP OF ½" IRON REBAR, "NEAR" CENTER ¼COR. SEC. 15 T5N R3E, SET 6/90 FOR AERIAL CONTROL.
ERM 57	1743.76	TOP OF ½" IRON REBAR, "NEAR" EAST ¼COR. SEC.16 T5N R3E, SET 6/90 FOR AERIAL CONTROL, 85'± EAST OF EAST EDGE OF DIRT ROAD.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

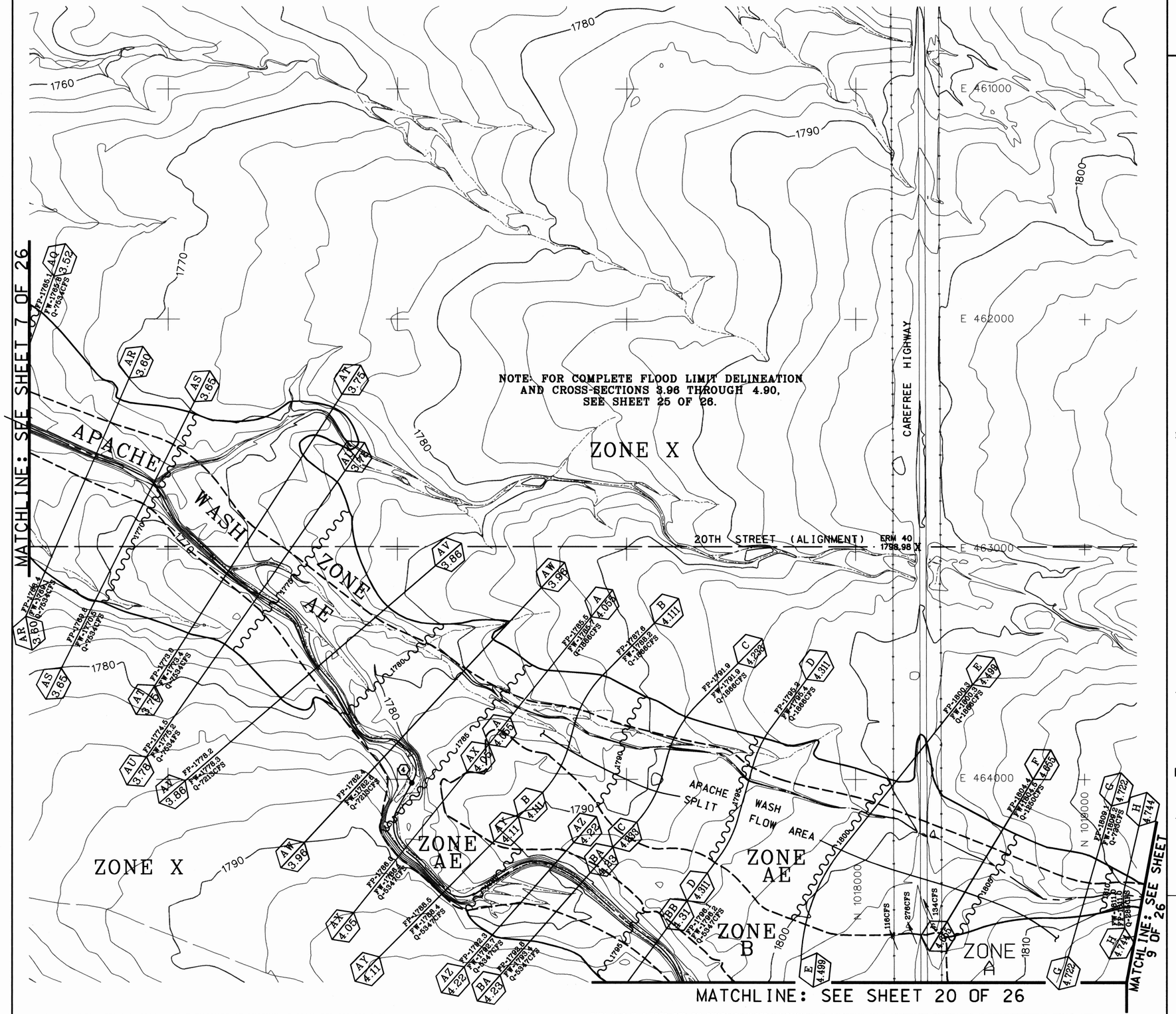
PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

CERTIFICATE NO. 15577 ROGER E. BAELE — Registered Professional Engineer — ARIZONA, U.S.A. — 11-15-93

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			7
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF:
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	
CROSS SECTION	A 1.00 FP-100yr. WSE FW-Floodway WSE Q-100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

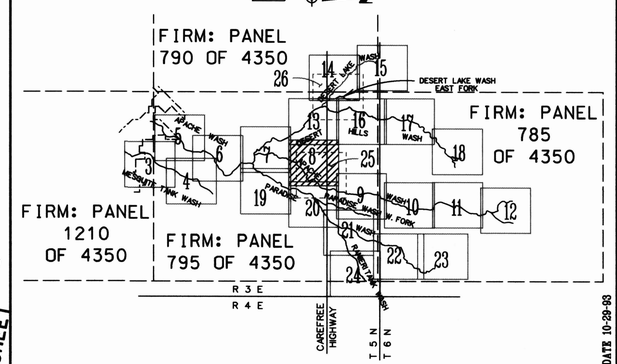
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 40	1798.98	TOP OF ¾" IRON REBAR IN POTHOLE, 20TH STREET & CAREFREE HIGHWAY.

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

INDEX MAP



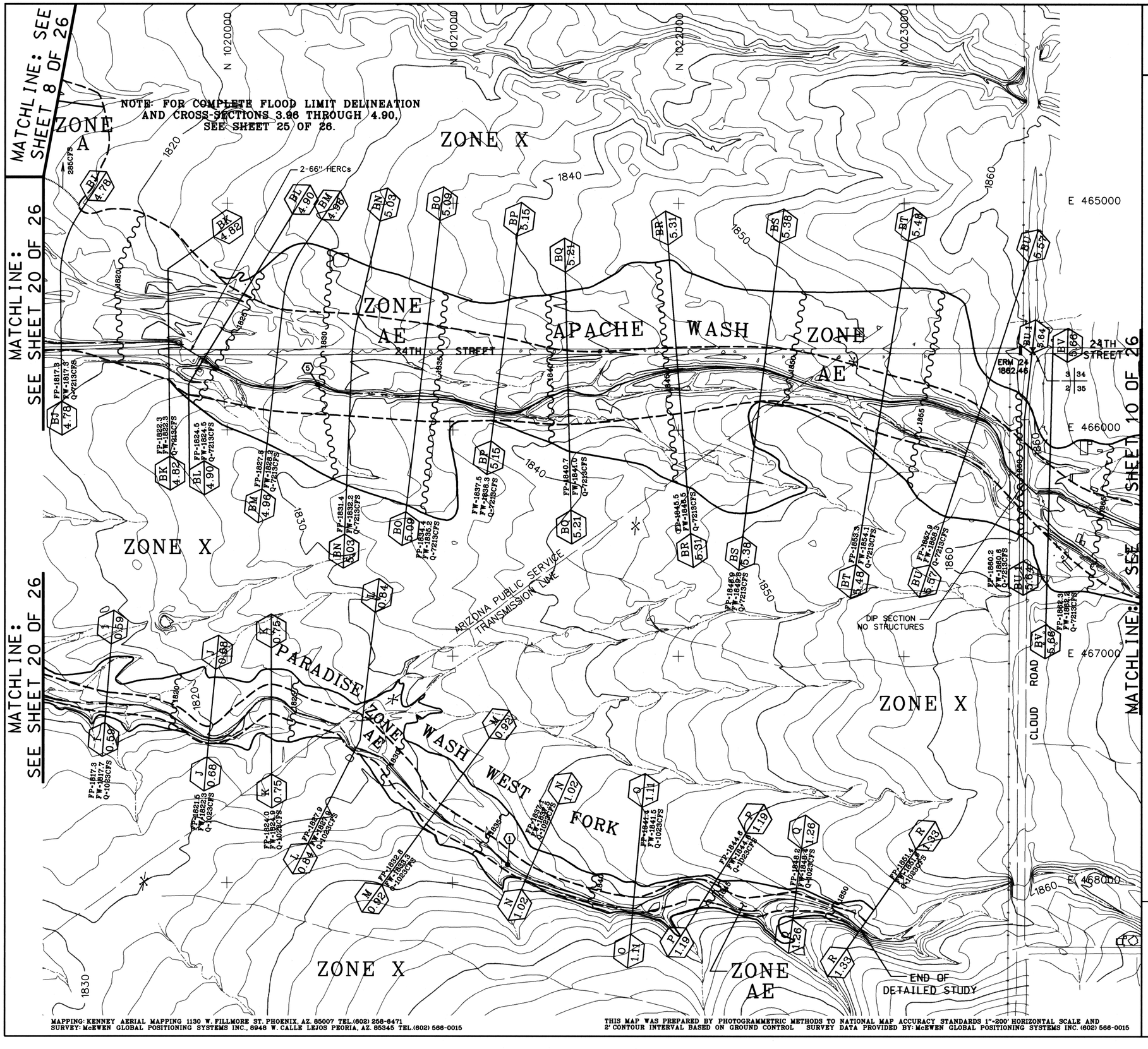
THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date: Submitted By: Date:	SHEET: 8
DESIGN CHECK:	By: R. BAELE	Date: Recommended By: Date:	
PLANS:	By: B. O'NEILL	Date: Approved By: Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS))
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16 | 9 / 15 | 10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

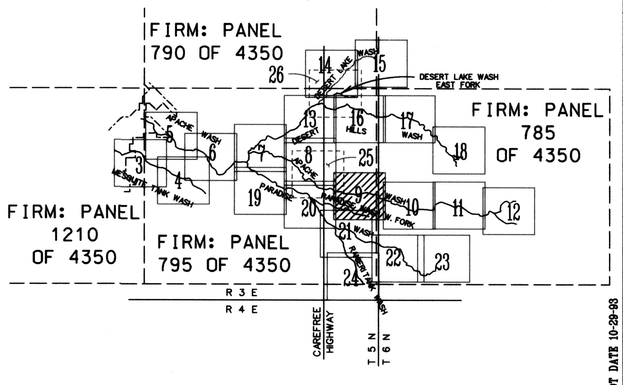
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 24	1862.46	PK NAIL WITH STRADDLES ℄ INTERSECTION OF 24TH STREET AND CLOUD ROAD.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANELS 785 AND 795 OF 4350.

PLOT DATE 10-29-98

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

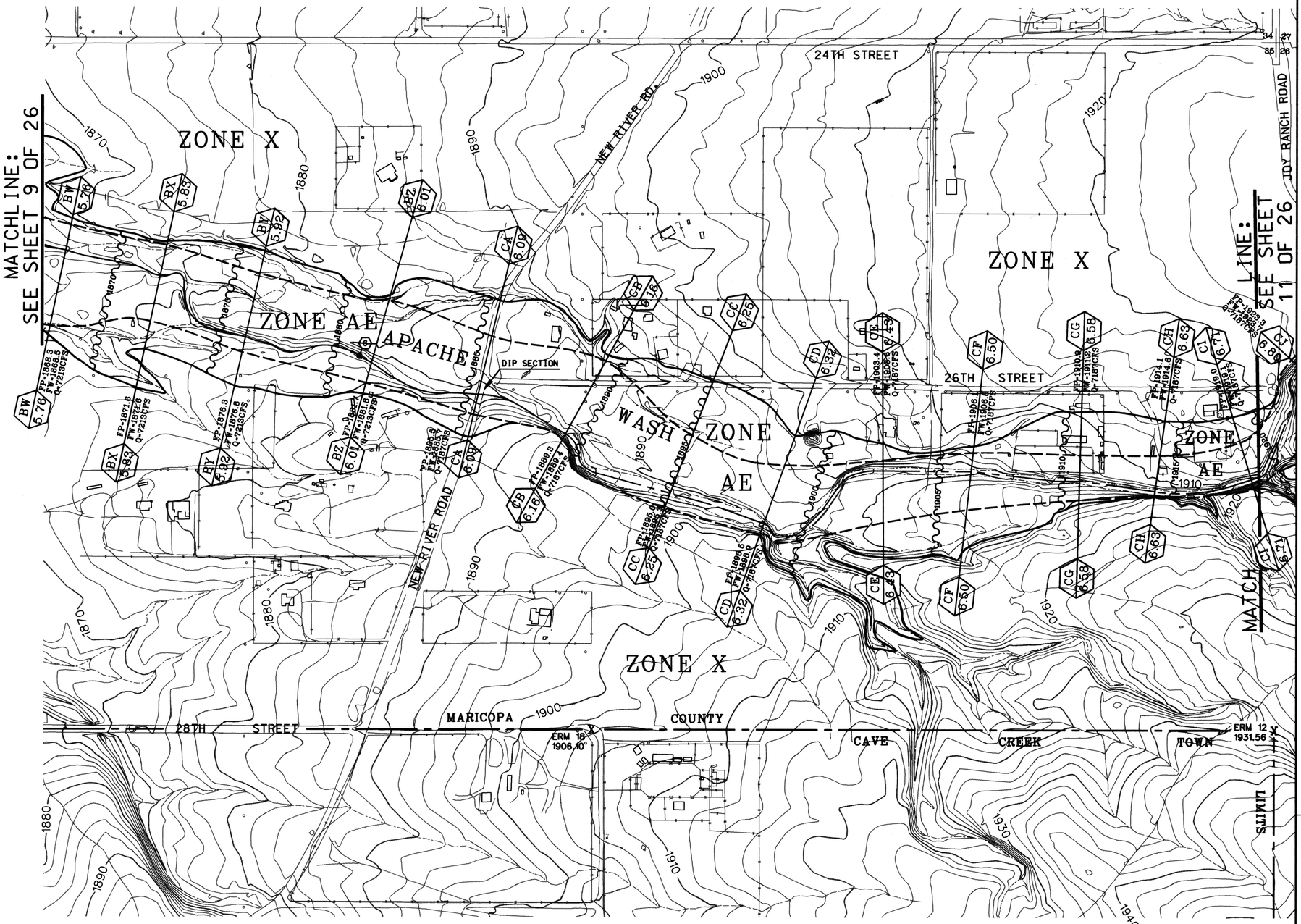
THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE 11-15-99 REGISTERED PROFESSIONAL ENGINEER ARIZONA, U.S.A.

DESIGN:	By: B. MATHEWS	Date: Submitted By: Date:	SHEET: 9
DESIGN CHECK:	By: R. BAELE	Date: Recommended By: Date:	
PLANS:	By: B. O'NEILL	Date: Approved By: Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8946 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE
- # = RIVER MILE
- CROSS SECTION — A 1.00 | FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) | A 1.00
- ELEVATION REFERENCE MARKS — ERM 57 1743.76 X
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER — 16|9 / 15|10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

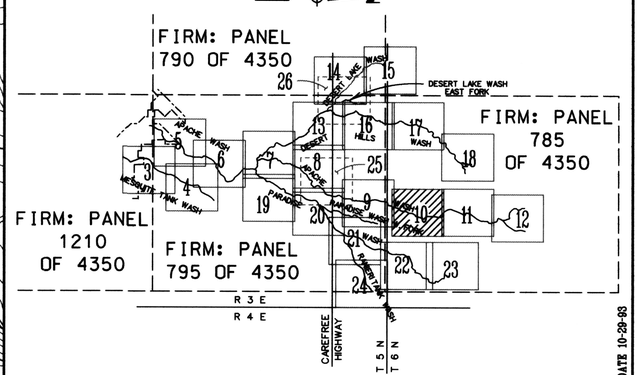
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 12	1931.56	TOP OF G. L. O. BRASS CAP, 1922, ¼COR. SECS. 26 & 35, T6N R3E.
ERM 18	1906.10	TOP OF ½" IRON REBAR, FLUSH, POSSIBLY CENTER ¼COR. SEC. 35 T6N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

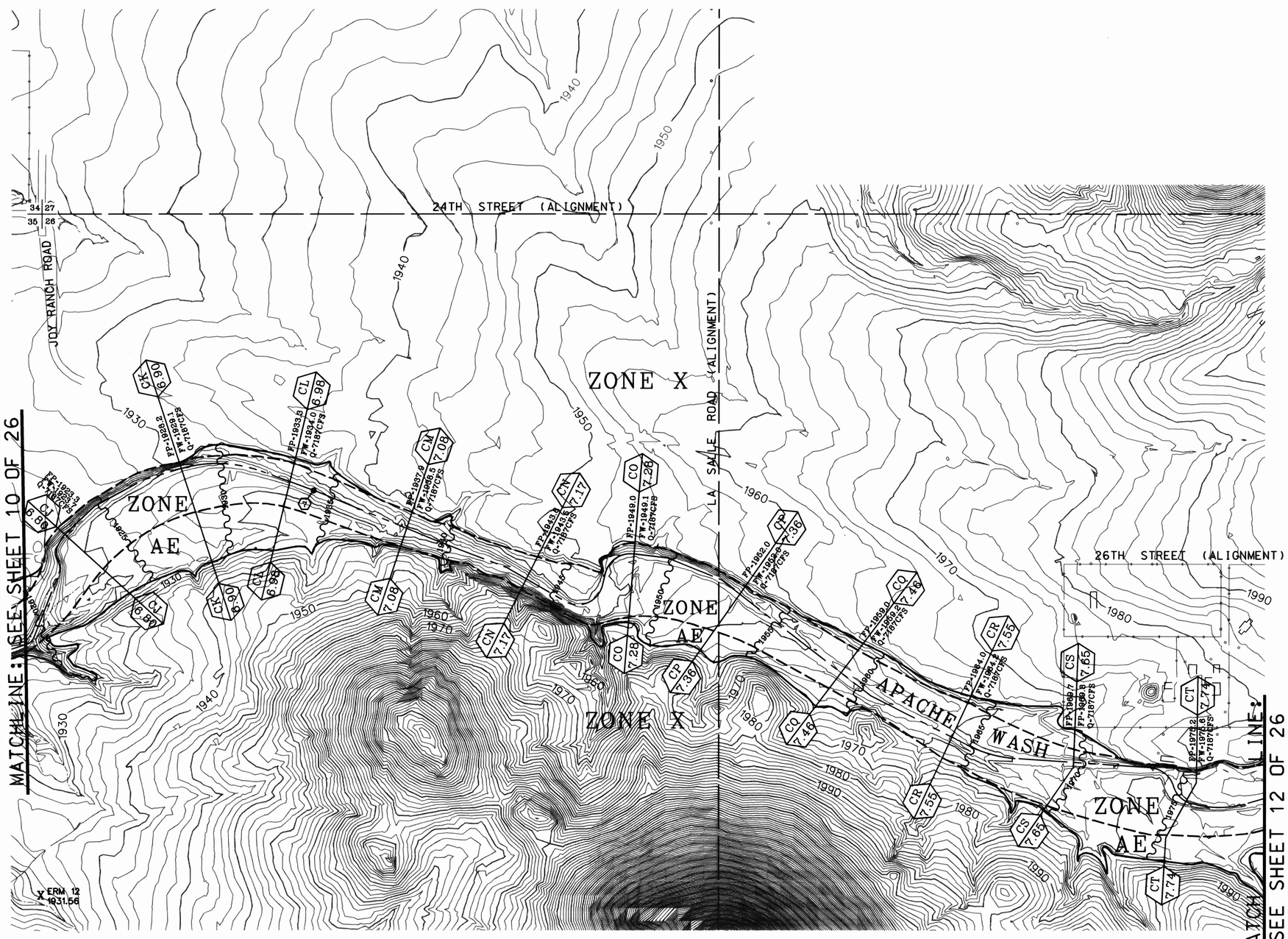
PLOT DATE 10-29-03

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

REGISTERED PROFESSIONAL ENGINEER 15677 ROGER E. BAELE 11-19-03 ARIZONA, U.S.A.

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			10
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



200 0 200 600

2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY / FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION — A / 1.00 — FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS)
- ELEVATION REFERENCE MARKS — ERM 57 X 1743.76
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER — 16 | 9 / 15 | 10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

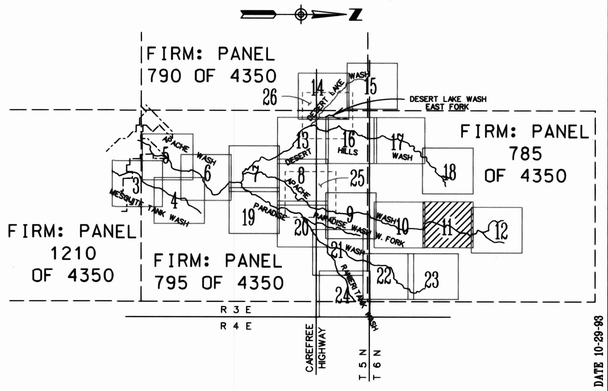
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 12	1931.56	TOP OF G. L. O. BRASS CAP, 1922, ¼COR. SECTIONS 26 & 35, T6N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

PLOT DATE 10-28-98

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	11
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF:
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS))
- ELEVATION REFERENCE MARKS (ERM 57 1743.76 X)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
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- SECTION CORNER (16|9 / 15|10)
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- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

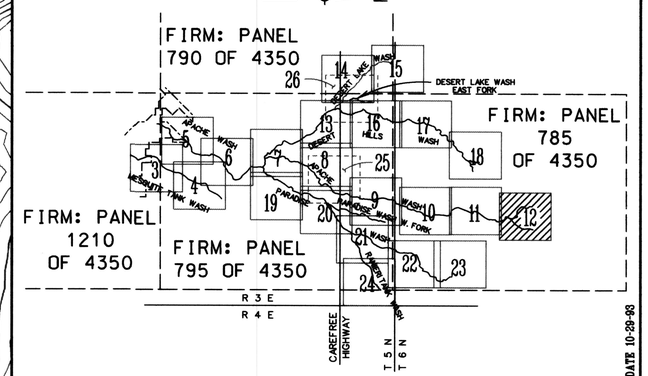
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 2	2030.59	TOP OF 1" IRON PIPE, POSSIBLY CENTER ¼COR. SEC. 23, T6N R3E.
ERM 5	1996.35	TOP OF G. L. O. BRASS CAP, 1922, ¼COR. SECS. 23 & 26, T6N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

Registered Professional Engineer — 15677 ROGER E. BAELE — 11-30-93 — ARIZONA, U.S.A.

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			12
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		

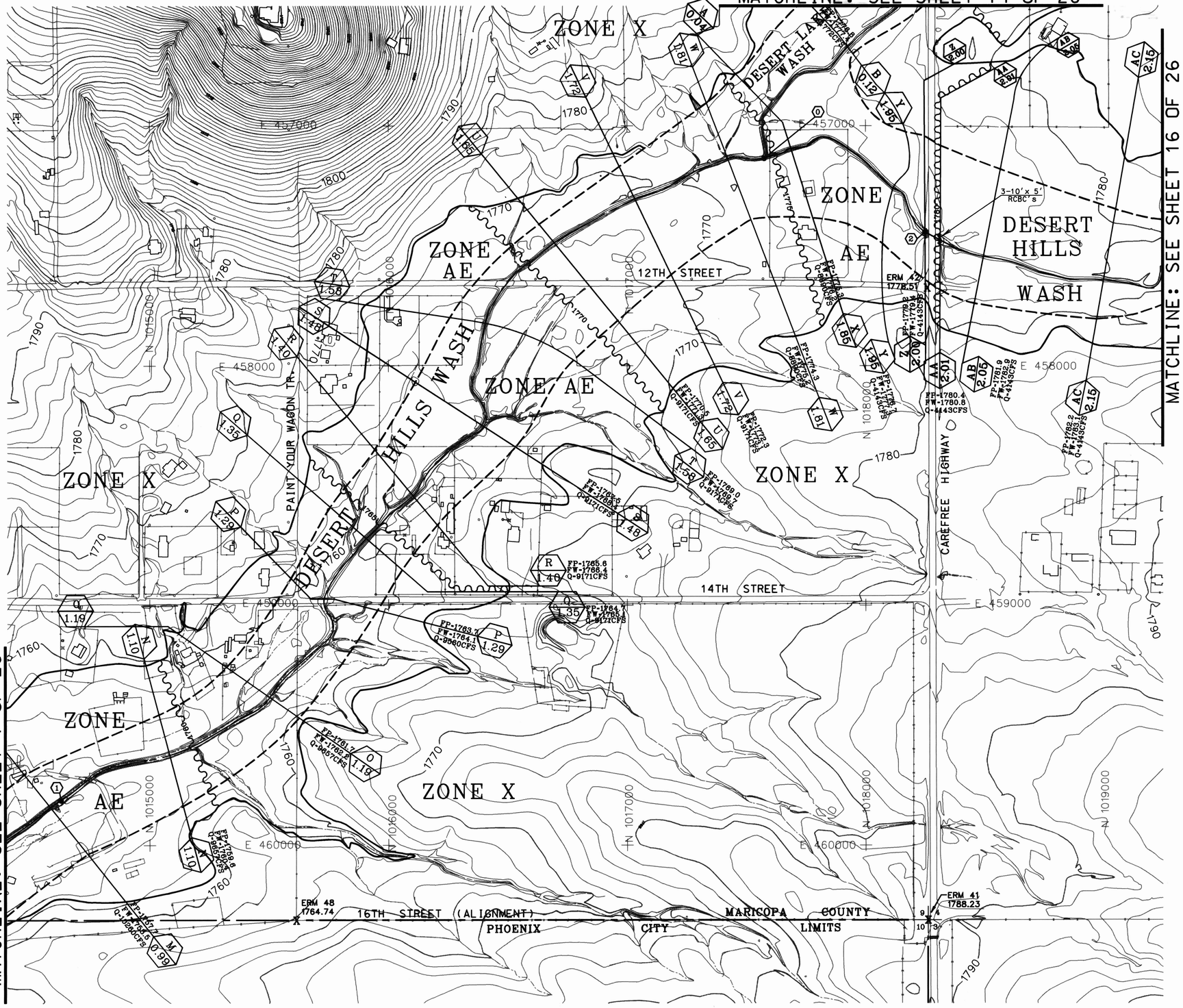
MATCHLINE: SEE SHEET 11 OF 26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

NOTE: FOR THE COMPLETE FLOOD LIMIT DELINEATION FOR THE CONFLUENCE OF DESERT LAKE, DESERT HILLS WASH, AND DESERT LAKE WASH EAST FORK, SEE SHEET 26 OF 26.

MATCHLINE: SEE SHEET 14 OF 26



MATCHLINE: SEE SHEET 16 OF 26

MATCHLINE: SEE SHEET 7 OF 26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	
CROSS SECTION	A 1.00 FP-100yr. WSE FW-Floodway WSE Q-100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

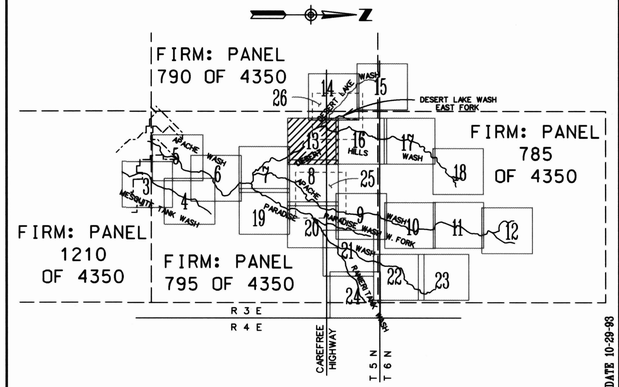
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 41	1788.23	TOP OF R.R. SPIKE, FLUSH, 16TH ST. @ NORTH SIDE CAREFREE HIGHWAY.
ERM 42	1778.51	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, 12TH ST. & CAREFREE HWY.
ERM 48	1764.74	TOP OF STONE, EAST 1/4COR. SEC. 9 T5N R3E

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE 11-15-93 ARIZONA, U.S.A.

DESIGN:	By: B. MATHEWS	Date: Submitted By: Date:	SHEET: 13
DESIGN CHECK:	By: R. BAELE	Date: Recommended By: Date:	
PLANS:	By: B. O'NEILL	Date: Approved By: Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) A 1.00)
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16|9 / 15|10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

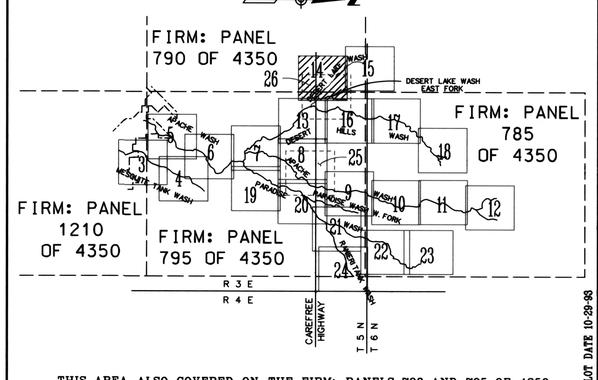
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 35	1797.59	MARICOPA COUNTY HWY. DEPT. BRASS CAP, FLUSH, 7TH STREET & GALVIN STREET.
ERM 43	1784.45	TOP OF R.R. SPIKE, FLUSH, 7TH STREET & CAREFREE HIGHWAY.

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

INDEX MAP



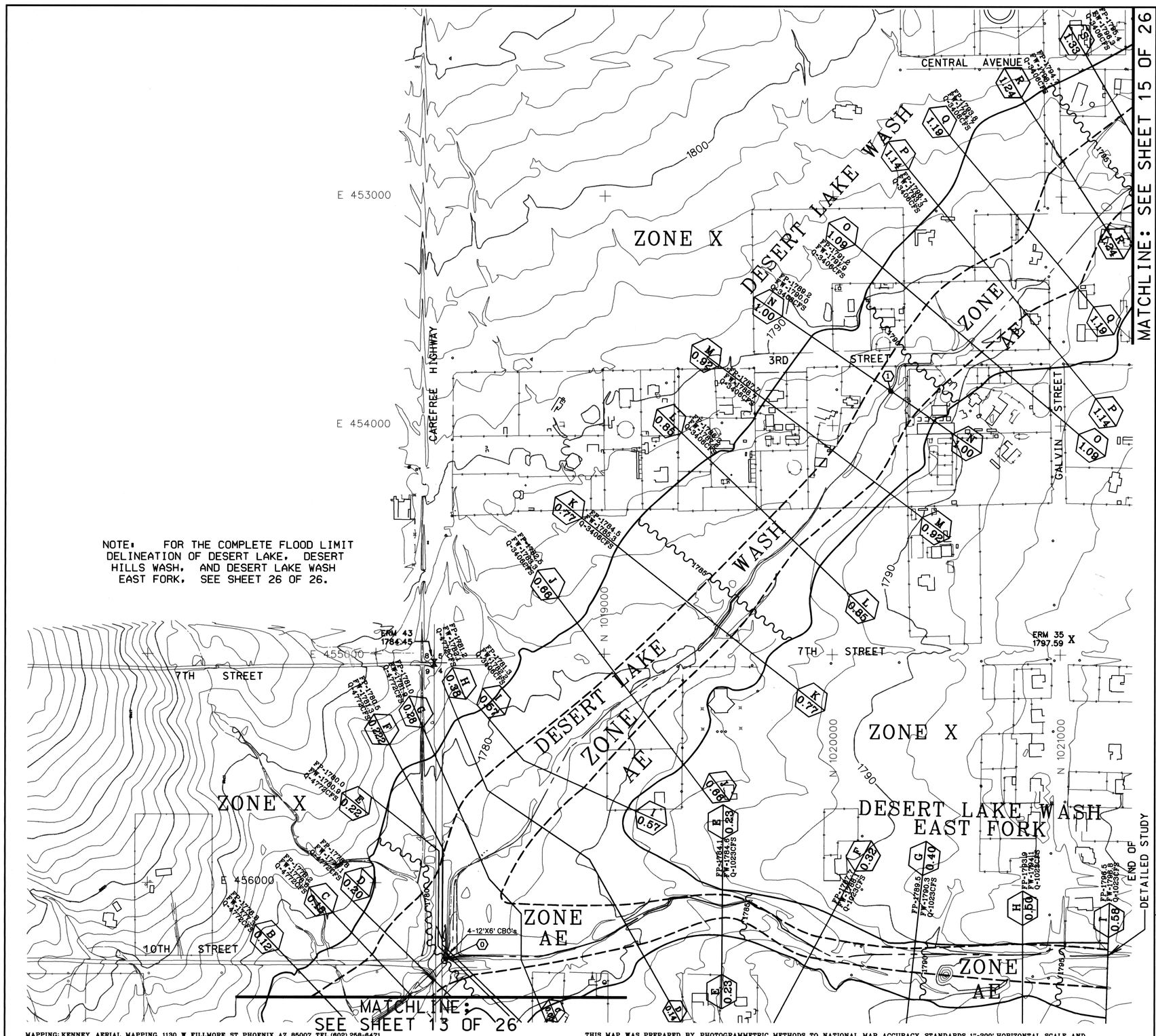
THIS AREA ALSO COVERED ON THE FIRM: PANELS 790 AND 795 OF 4350.

PLOT DATE 10-29-98

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

REGISTERED 15677 ROGER E. BAELE 11-15-99 ARIZONA, U.S.A.

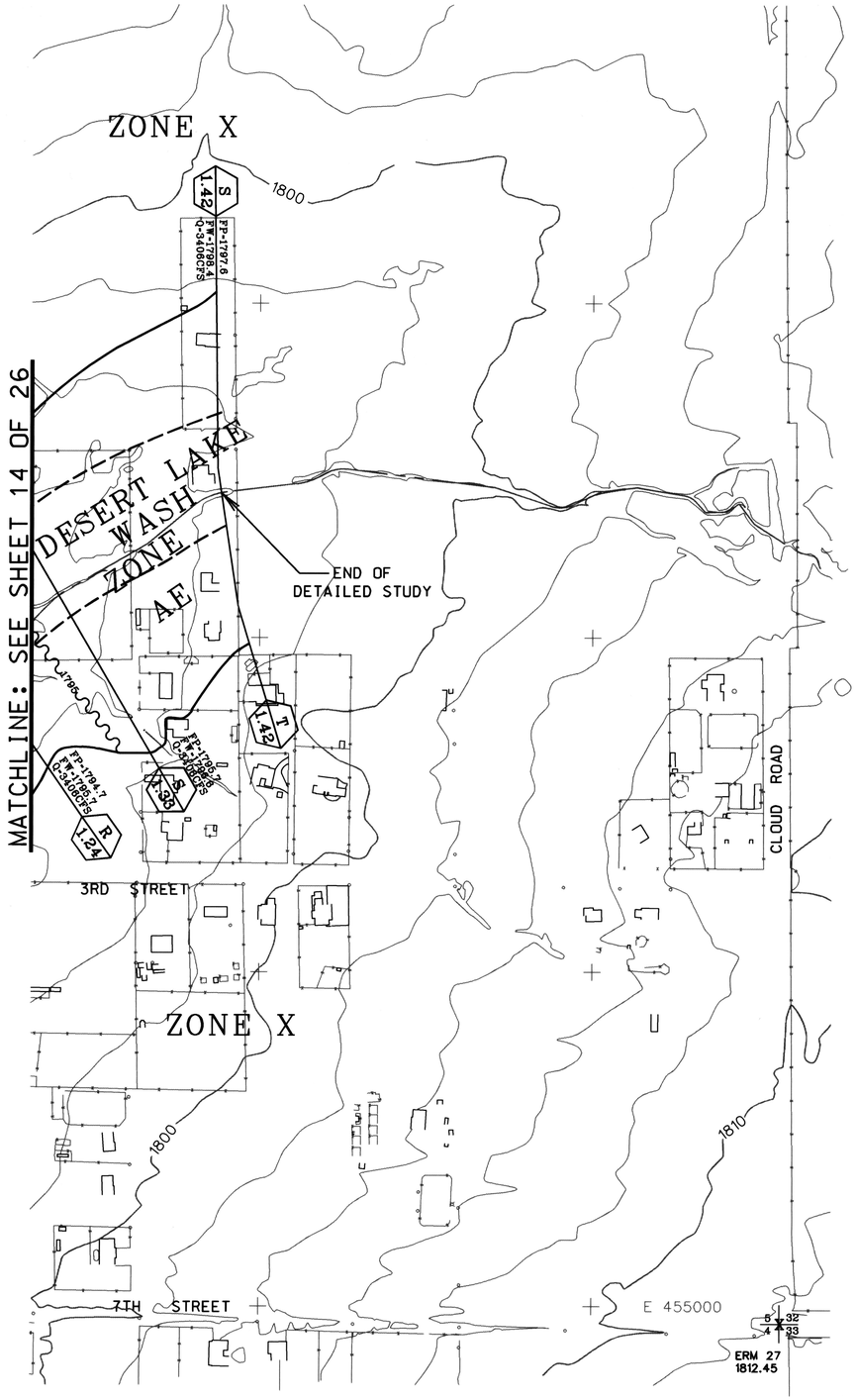
	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			14
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		



NOTE: FOR THE COMPLETE FLOOD LIMIT DELINEATION OF DESERT LAKE, DESERT HILLS WASH, AND DESERT LAKE WASH EAST FORK, SEE SHEET 26 OF 26.

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 6948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	#
CROSS SECTION	A 1.00 FP-100yr. WSE FW-Floodway WSE Q-100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

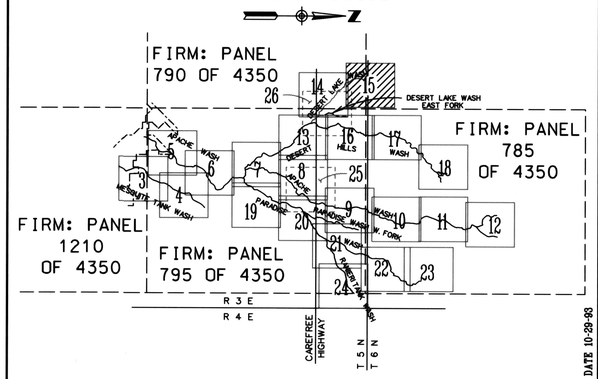
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 27	1812.45	TOP OF MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, COR. SECS. 32, 33 T6N & SECS. 4, 5 T5N R3E.

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

INDEX MAP

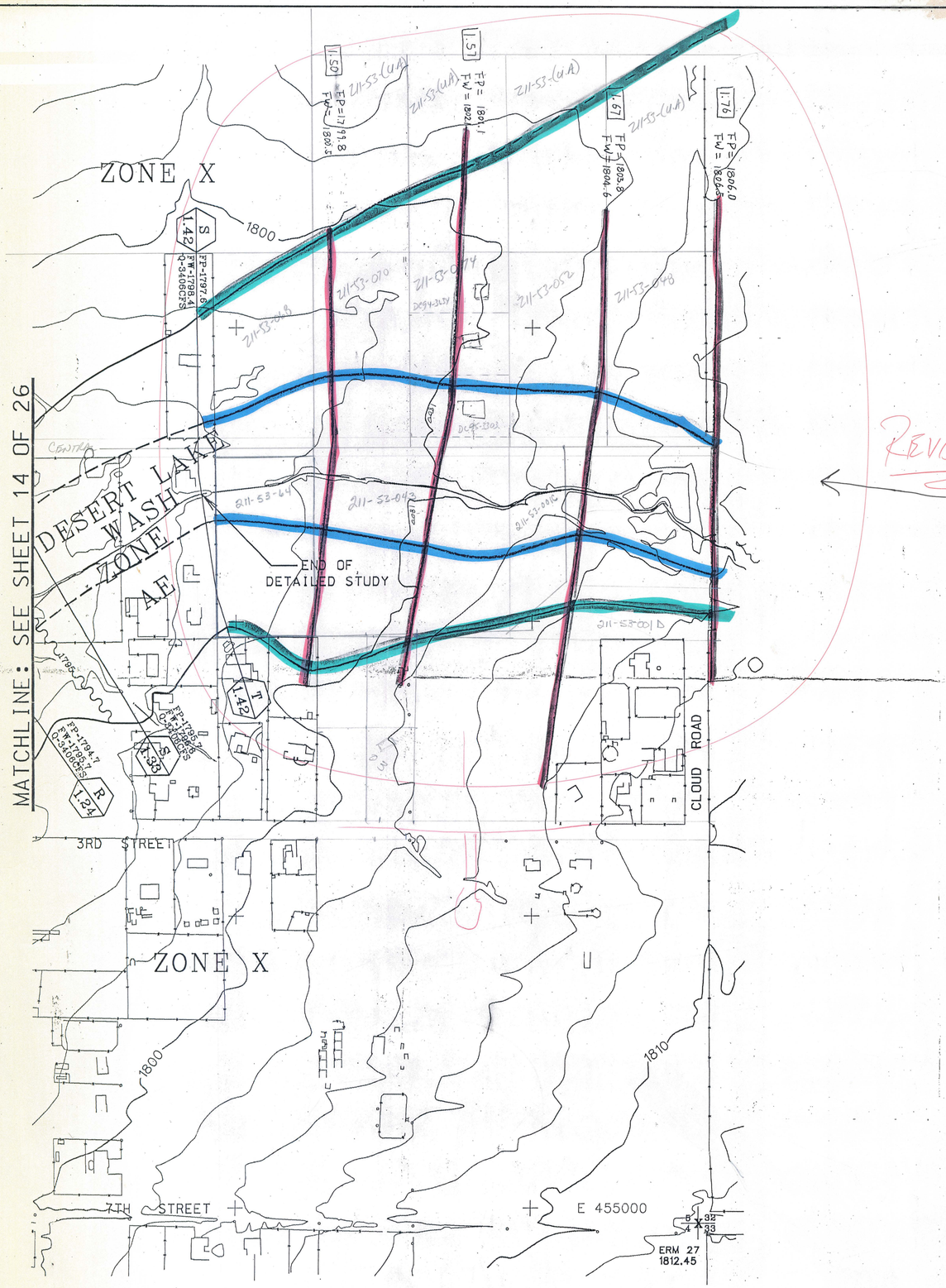


THIS AREA ALSO COVERED ON THE FIRM: PANEL 790 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date: Submitted By: Date:	SHEET: 15
DESIGN CHECK:	By: R. BAELE	Date: Recommended By: Date:	
PLANS:	By: B. O'NEILL	Date: Approved By: Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER	



FLOODPLAIN

APPROXIMATE FLOODPLAIN
(DUE TO THE INSUFFICIENCY OF TOPO INFORMATION)

FLOODWAY

Q = 3406 CFS.

REVISED (FOR FLOODPLAIN MANAGEMENT ONLY)

SEE DESERT HILLS STUDY PAGE 20

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	#
CROSS SECTION	A 1.00 FP=100yr. WSE FW=Floodway WSE Q=100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

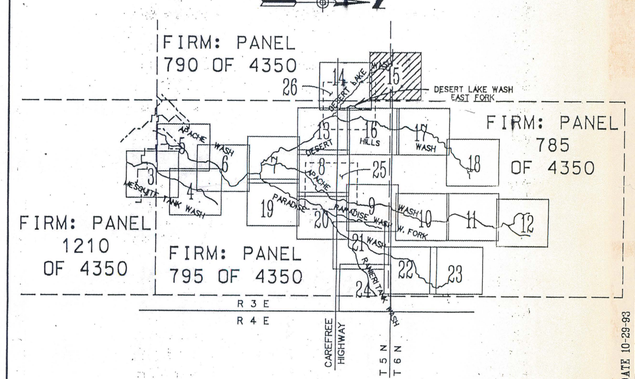
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 27	1812.45	TOP OF MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, COR. SECS. 32, 33 T6N & SECS. 4, 5 T5N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 790 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date:	Submitted By:	Date:
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By:	Date:
PLANS:	By: B. O'NEILL	Date:	Approved By:	Date:
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET: 15A OF: 26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION — A 1.00 | FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) | A 1.00
- ELEVATION REFERENCE MARKS — ERM 57 1743.76 X
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER — 16 | 9 / 15 | 10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

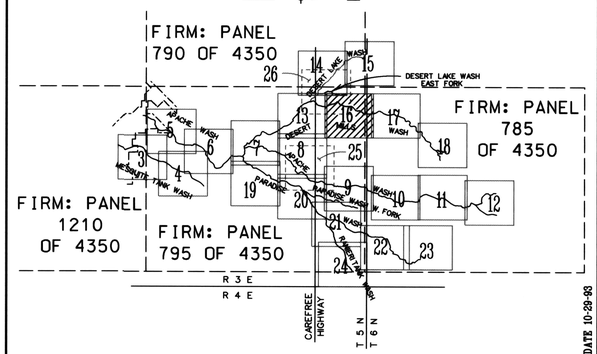
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 33	1814.64	TOP OF ⅝" IRON REBAR, EAST ¼COR. SEC. 4 T5N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANELS 785 AND 795 OF 4350.

PLOT DATE 10-29-98

MATCHLINE: SEE SHEET 13 OF 26

MATCHLINE: SEE SHEET 17 OF 26

ZONE AE

ZONE X

DESERT HILLS WASH

CLOUD ROAD

12TH STREET

14TH STREET

16TH STREET

ERM 33 X 1814.64

E 457000 E 458000 E 459000 E 460000

N 1020000 N 1021000 N 1022000 N 1023000 N 1024000

1790 1800 1810 1820 1830 1840

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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Jerry R. Jones & Associates, Inc.
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ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE — REGISTERED PROFESSIONAL ENGINEER — ARIZONA, U.S.A. — 11-15-98

	By:	Date:	By:	Date:	SHEET:
DESIGN:	B. MATHEWS	Submitted By:			16
DESIGN CHECK:	R. BAELE	Recommended By:			OF:
PLANS:	B. O'NEILL	Approved By:			26
PLANS CHECK:	R. BAELE	CHIEF ENGINEER AND GENERAL MANAGER			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS) — A 1.00)
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16 | 9 / 15 | 10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

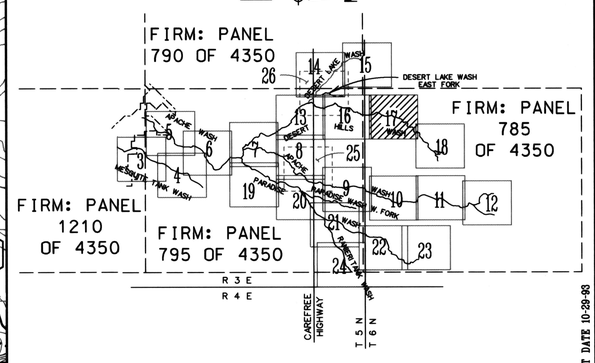
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 14	1861.04	CHISELED "□" ON WEST END CONC. HEADWALL @ N. W. COR. 16TH STREET & JOY RANCH ROAD.
ERM 15	1858.52	TOP OF ⅝" REBAR WITH TAG PE14187 @ CENTER-LINE OF 12TH STREET & JOY RANCH ROAD.
ERM 20	1863.51	TOP OF ½" IRON REBAR, FLUSH WITH PAVEMENT @ CENTERLINE OF 16TH STREET IN AERIAL PANEL.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

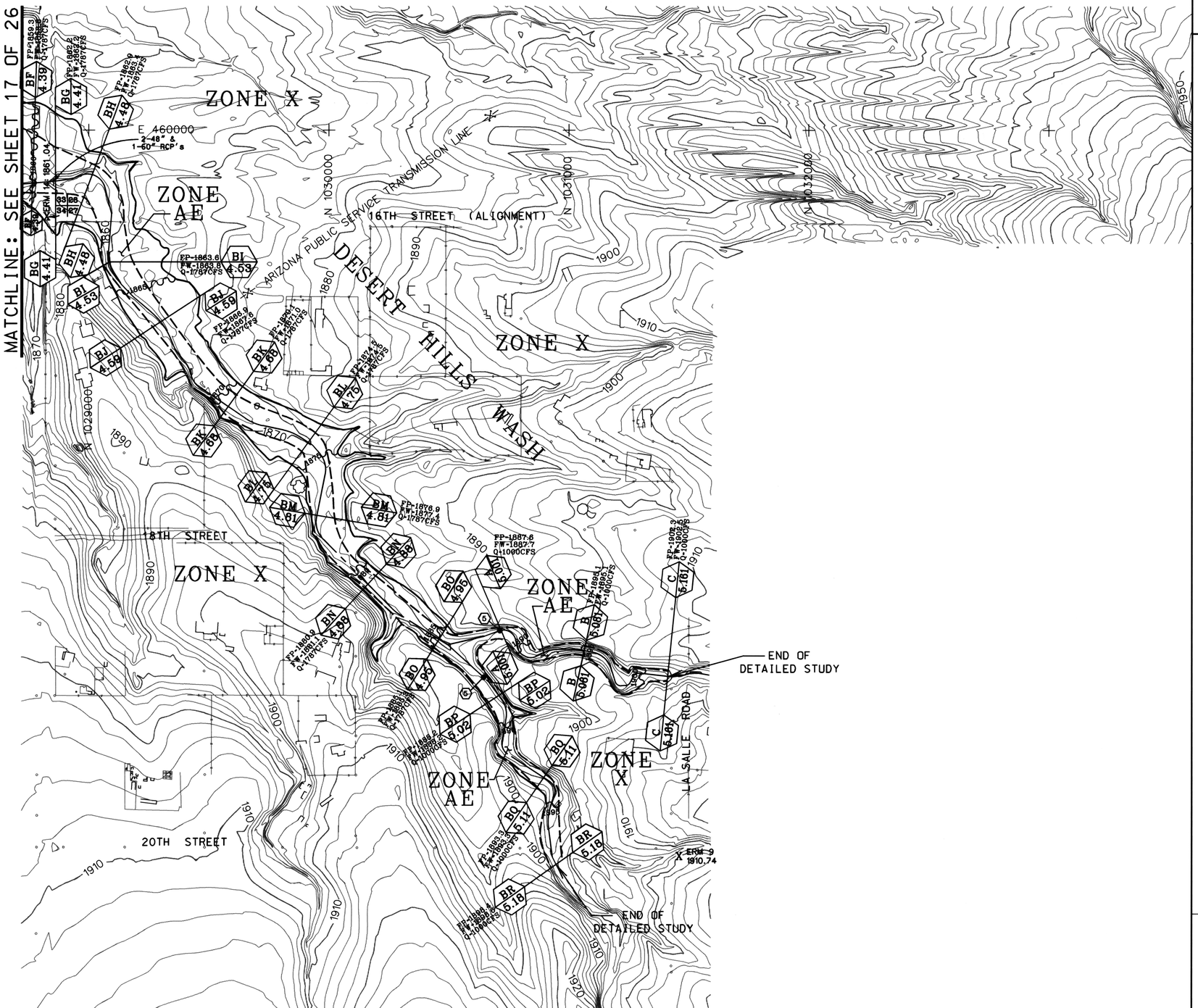
PLOT DATE 10-29-96

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

	By:	Date:		Date:	SHEET:
DESIGN:	B. MATHEWS	Date:	Submitted By:	Date:	17
DESIGN CHECK:	R. BAELE	Date:	Recommended By:	Date:	
PLANS:	B. O'NEILL	Date:	Approved By:	Date:	OF: 26
PLANS CHECK:	R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER		

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	#
CROSS SECTION	A 1.00 FP-100yr. WSE FW-Floodway WSE Q-100yr. Discharge (CFS) A 1.00
ELEVATION REFERENCE MARKS	ERM 57 1743.76 X
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS	
PAVED ROADS	
SECTION CORNER	16 9 / 15 10
FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE	
UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

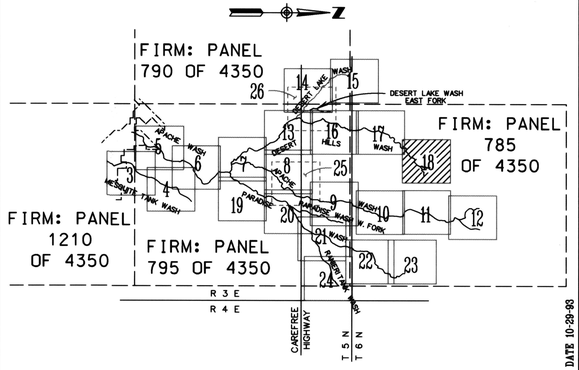
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 9	1910.74	TOP OF 1" IRON PIPE, POSSIBLY CENTER ¼COR. SEC. 27 T6N R3E.
ERM 14	1861.04	CHISELED "□" ON WEST END CONC. HEADWALL @ N. W. COR. 16TH STREET & JOY RANCH ROAD.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

DESIGN:	By: B. MATHEWS	Date:	Submitted By:	Date:
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By:	Date:
PLANS:	By: B. O'NEILL	Date:	Approved By:	Date:
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET: 18 OF: 26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 — FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) — A 1.00)
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NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

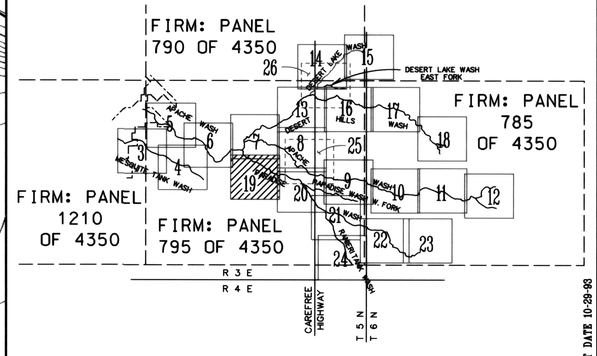
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 52	1785.12	TOP OF ½" IRON REBAR, "NEAR" NORTHEAST COR. SEC.15 T5N R3E, SET 6/90 FOR AERIAL CONTROL, 18.0' EAST OF NORTHEAST COR. FENCE.
ERM 55	1771.23	TOP OF ½" IRON REBAR, "NEAR" EAST ¼COR. SEC.15 T5N R3E, SET 6/90 FOR AERIAL CONTROL, 9.0' WEST OF BARBED WIRE FENCE.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-98

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	19
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF:
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		26

ROGER E. BAELE 15677 REGISTERED ENGINEER ARIZONA U.S.A. 11-15-98

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE
- # = RIVER MILE
- CROSS SECTION — A 1.00 — FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) — A 1.00
- ELEVATION REFERENCE MARKS — ERM 57 X 1743.76
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
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- SECTION CORNER — 16|9 / 15|10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

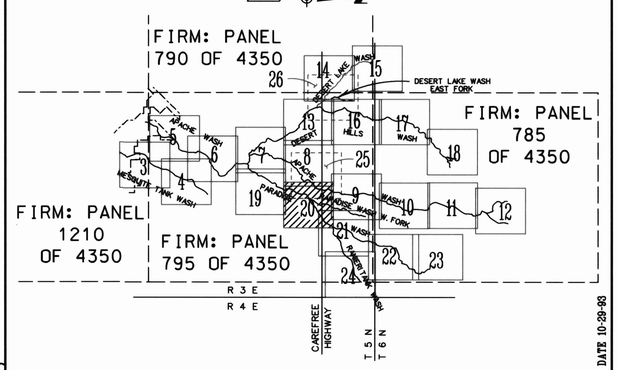
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 38	1818.71	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, NORTH 1/4COR. SEC. 11, T5N R3E.
ERM 39	1807.60	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE @ 24TH STREET AND CAREFREE HWY.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-28-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

CERTIFICATE NO. 15677 ROGER E. BAELE 10-28-93 ARIZONA, U.S.A.

DESIGN:	By: B. MATHEWS	Date: Submitted By:	Date:	SHEET: 20
DESIGN CHECK:	By: R. BAELE	Date: Recommended By:	Date:	
PLANS:	By: B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

NOTE: FOR PARADISE WASH WEST FORK CROSS-SECTIONS FOR THIS AREA, SEE SHEET 9 OF 26.

MARICOPA COUNTY

ARIZONA PUBLIC SERVICE TRANSMISSION LINE

PARADISE WASH WEST FORK

ZONE AE

ZONE X

CAVE CREEK TOWN LIMITS

PHOENIX CITY LIMITS

CAREFREE HIGHWAY

RANIERE WASH

TANK WASH

GALVIN STREET (ALIGNMENT)

32ND STREET (ALIGNMENT)

ERM 38 1818.71

ERM 30 X 1867.78

2-10'x 5.5' RCBC's

DIP SECTION OF 32ND STREET

N 1020000

N 1021000

N 1019000

E 471000

SEE SHEET 20 OF 26 MATCH LINE

MATCHLINE: SEE SHEET 22 OF 26

MATCHLINE: SEE SHEET 24 OF 26

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) A 1.00)
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- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

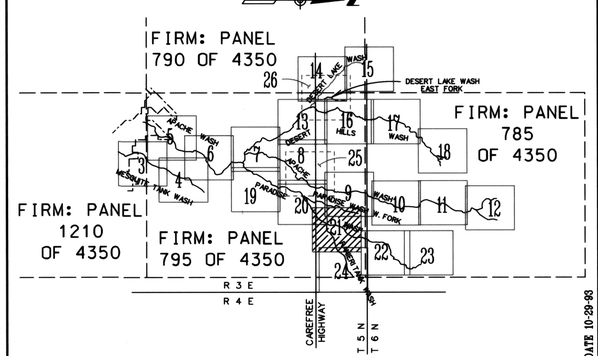
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 30	1867.78	TOP OF ½" IRON REBAR, POSSIBLY EAST ¼COR. SEC. 2, T5N R3E.
ERM 38	1818.71	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, NORTH ¼COR. SEC. 11, T5N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

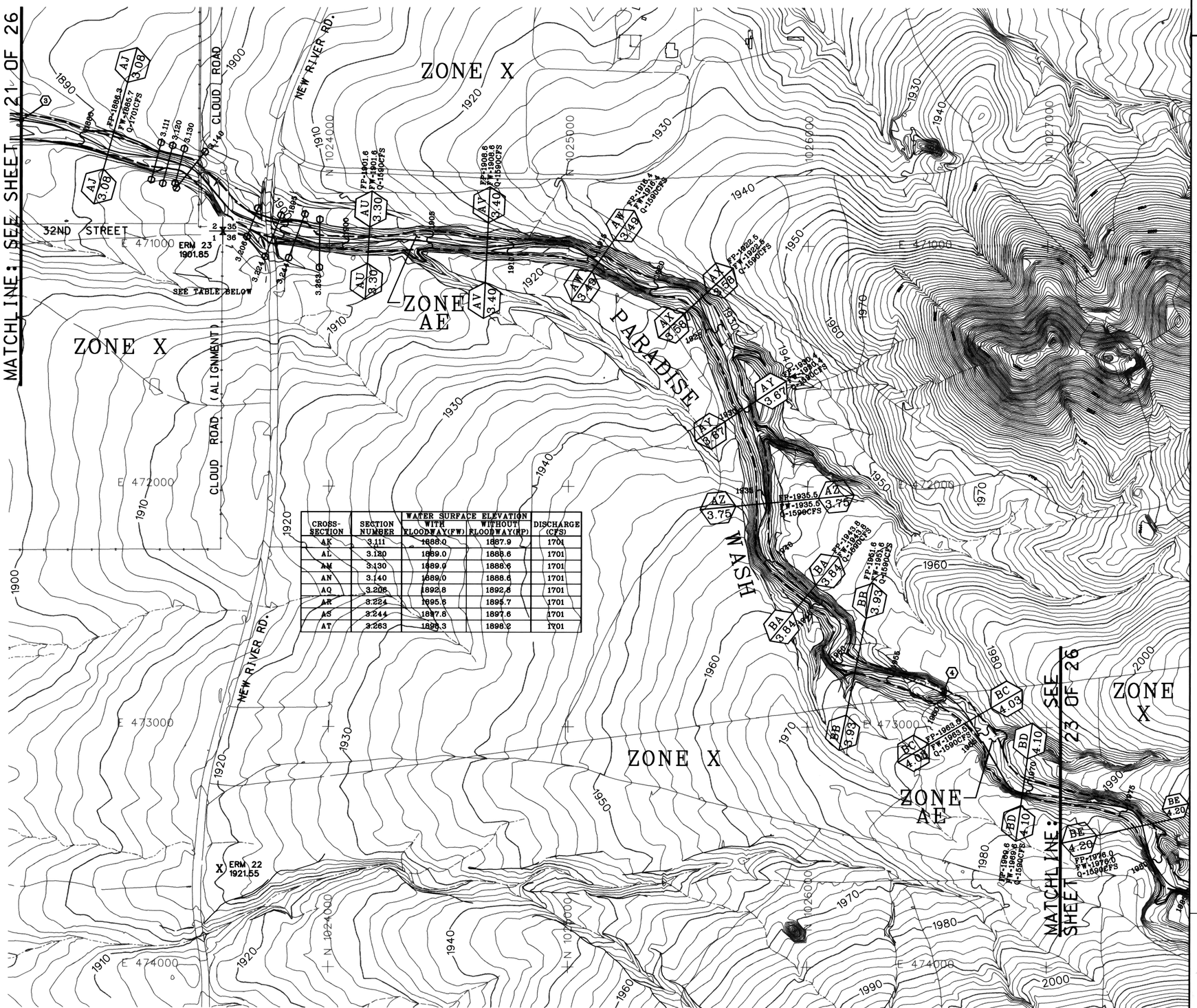
PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

Registered Professional Engineer 15677 ROGER E. BAELE Arizona, U.S.A. 11-15-93

	By:	Date:	By:	Date:	
DESIGN:	B. MATHEWS	Submitted By:			SHEET: 21
DESIGN CHECK:	R. BAELE	Recommended By:			
PLANS:	B. O'NEILL	Approved By:			OF: 26
PLANS CHECK:	R. BAELE	CHIEF ENGINEER AND GENERAL MANAGER			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



CROSS-SECTION	SECTION NUMBER	WATER SURFACE ELEVATION WITH FLOODWAY(FW)	WATER SURFACE ELEVATION WITHOUT FLOODWAY(FP)	DISCHARGE (CFS)
AK	3.111	1888.0	1887.9	1701
AL	3.120	1889.0	1888.6	1701
AM	3.130	1889.0	1888.6	1701
AN	3.140	1889.0	1888.6	1701
AQ	3.206	1892.8	1892.8	1701
AR	3.224	1895.8	1895.7	1701
AS	3.244	1897.8	1897.6	1701
AT	3.263	1898.3	1898.2	1701

LEGEND

100-YR FLOODPLAIN BOUNDARY FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE # = RIVER MILE	#
CROSS SECTION	A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS) — A 1.00
ELEVATION REFERENCE MARKS	ERM 57 X 1743.76
BASE FLOOD ELEVATIONS	1710
ZONE DESIGNATIONS	ZONE AE
DIRT ROADS PAVED ROADS	
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FLOW LINE	
FENCE LINE	
CORPORATE LIMITS	
STRUCTURE UTILITY POLE	

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

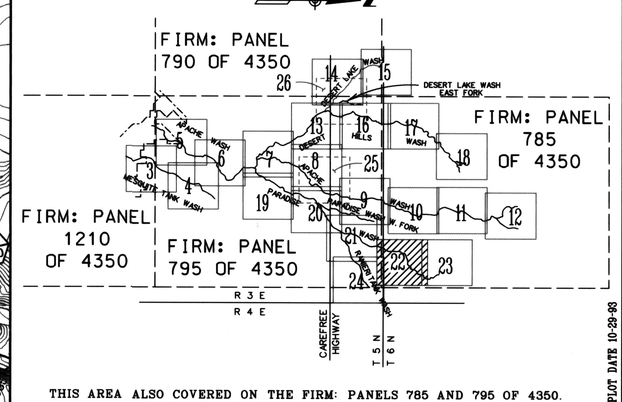
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 22	1921.55	TOP OF G. L. O. BRASS CAP, 1922, 1/4COR. SEC. 36, T6N R3E & SEC. 1 T5N R3E.
ERM 23	1901.85	TOP OF G. L. O. BRASS CAP, 1922, COR. SECS. 35, 36, T6N & SECS. 1,2 T5N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANELS 785 AND 795 OF 4350.

PLOT DATE 10-29-93

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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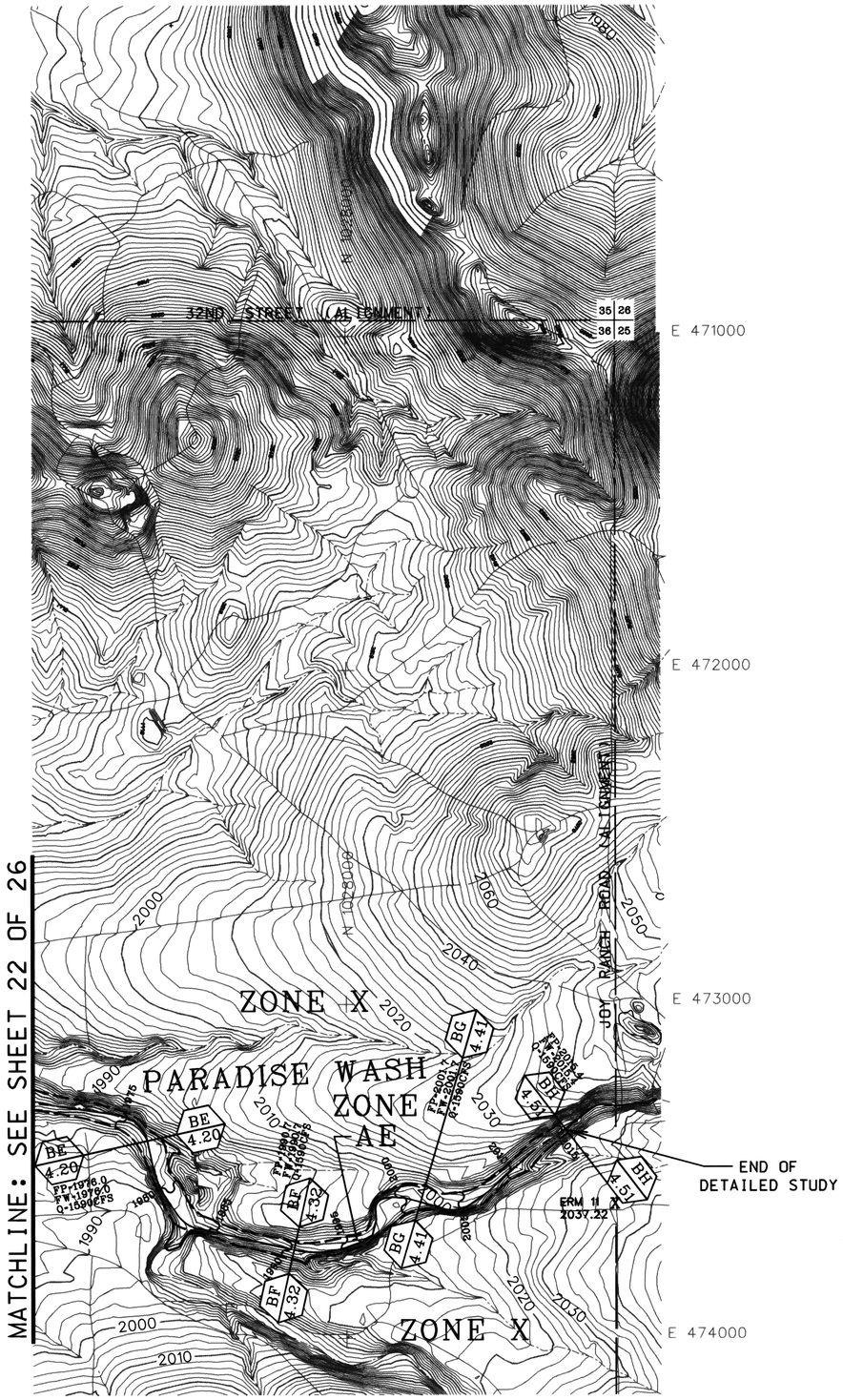
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE — REGISTERED ENGINEER — 11-15-93 — ARIZONA, U.S.A.

DESIGN:	By: B. MATHEWS	Date: Submitted By:	Date:	SHEET: 22
DESIGN CHECK:	By: R. BAELE	Date: Recommended By:	Date:	
PLANS:	By: B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE
- # = RIVER MILE
- CROSS SECTION — A 1.00 FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) A 1.00
- ELEVATION REFERENCE MARKS — ERM 57 X 1743.76
- BASE FLOOD ELEVATIONS — 1710
- ZONE DESIGNATIONS — ZONE AE
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER — 16|9 / 15|10
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

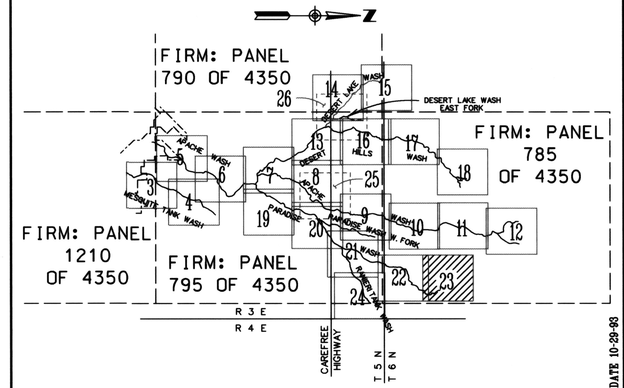
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 11	2037.22	TOP OF G.L.O. BRASS CAP, 1922, 1/4COR. SECS. 25 & 36 T6N R3E.

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

INDEX MAP



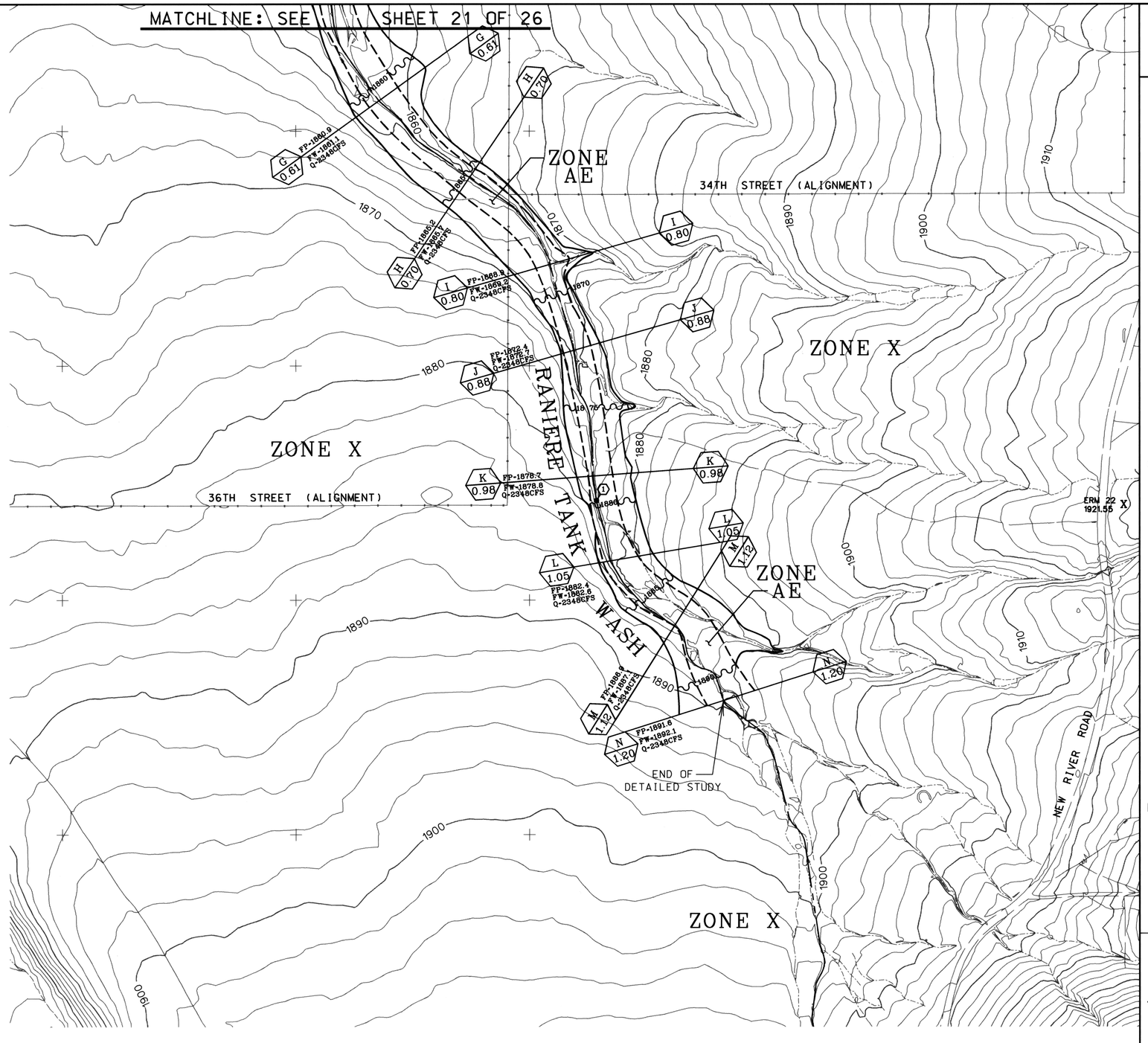
THIS AREA ALSO COVERED ON THE FIRM: PANEL 785 OF 4350.

PLOT DATE 10-29-93

15677 ROGER E. BAELE 11-15-93 REGISTERED LAND SURVEYOR ARIZONA, U.S.A.

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			23
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF: 26
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 — FP-100yr. WSE; FW-Floodway WSE; Q-100yr. Discharge (CFS) — A 1.00)
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16|9 / 15|10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

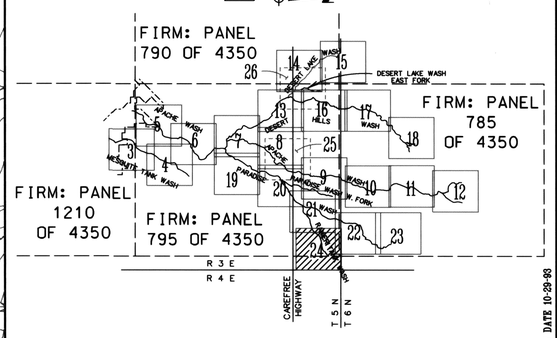
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 22	1921.55	TOP OF G. L. O. BRASS CAP, 1922, 1/4COR. SEC. 36 T6N R3E & SEC. 1 T5N R3E.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

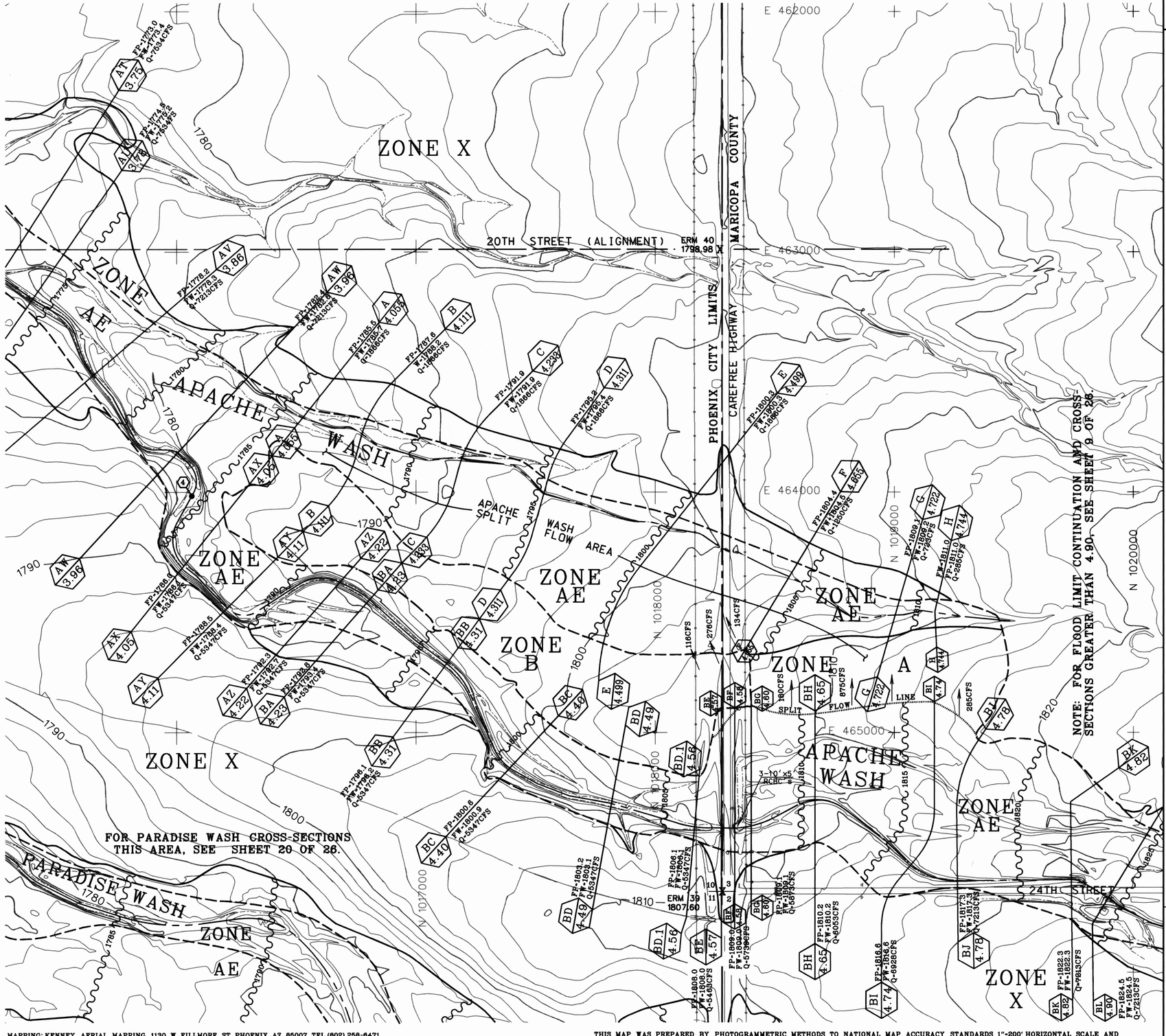
PLOT DATE 10-29-98

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE — REGISTERED PROFESSIONAL ENGINEER — ARIZONA, U.S.A. — 11-15-98

DESIGN:	By: B. MATHEWS	Date:	Submitted By:	Date:	SHEET: 24
DESIGN CHECK:	By: R. BAELE	Date:	Recommended By:	Date:	
PLANS:	By: B. O'NEILL	Date:	Approved By:	Date:	OF: 26
PLANS CHECK:	By: R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER		

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY



MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVAL BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY: McEWEN GLOBAL POSITIONING SYSTEMS INC. (602) 566-0015

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY / FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION (A 1.00 FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS) / A 1.00)
- ELEVATION REFERENCE MARKS (ERM 57 X 1743.76)
- BASE FLOOD ELEVATIONS (1710)
- ZONE DESIGNATIONS (ZONE AE)
- DIRT ROADS
- PAVED ROADS
- SECTION CORNER (16|9 / 15|10)
- FLOW LINE
- FENCE LINE
- CORPORATE LIMITS
- STRUCTURE
- UTILITY POLE

NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

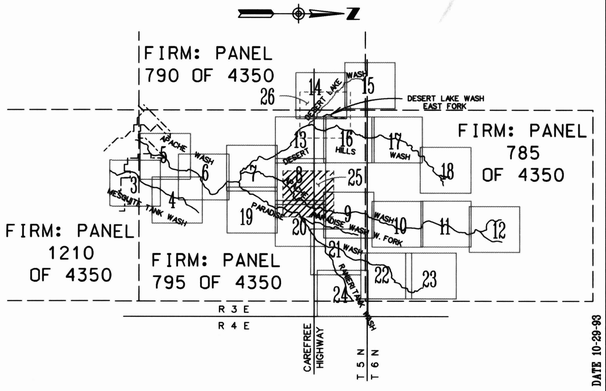
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 39	1807.60	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE @ 24TH STREET & CAREFREE HWY.
ERM 40	1798.98	TOP OF ¾" IRON REBAR IN POTHOLE, 20TH STREET & CAREFREE HIGHWAY.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANEL 795 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE — REGISTERED PROFESSIONAL ENGINEER — ARIZONA, U.S.A. — 11-15-93

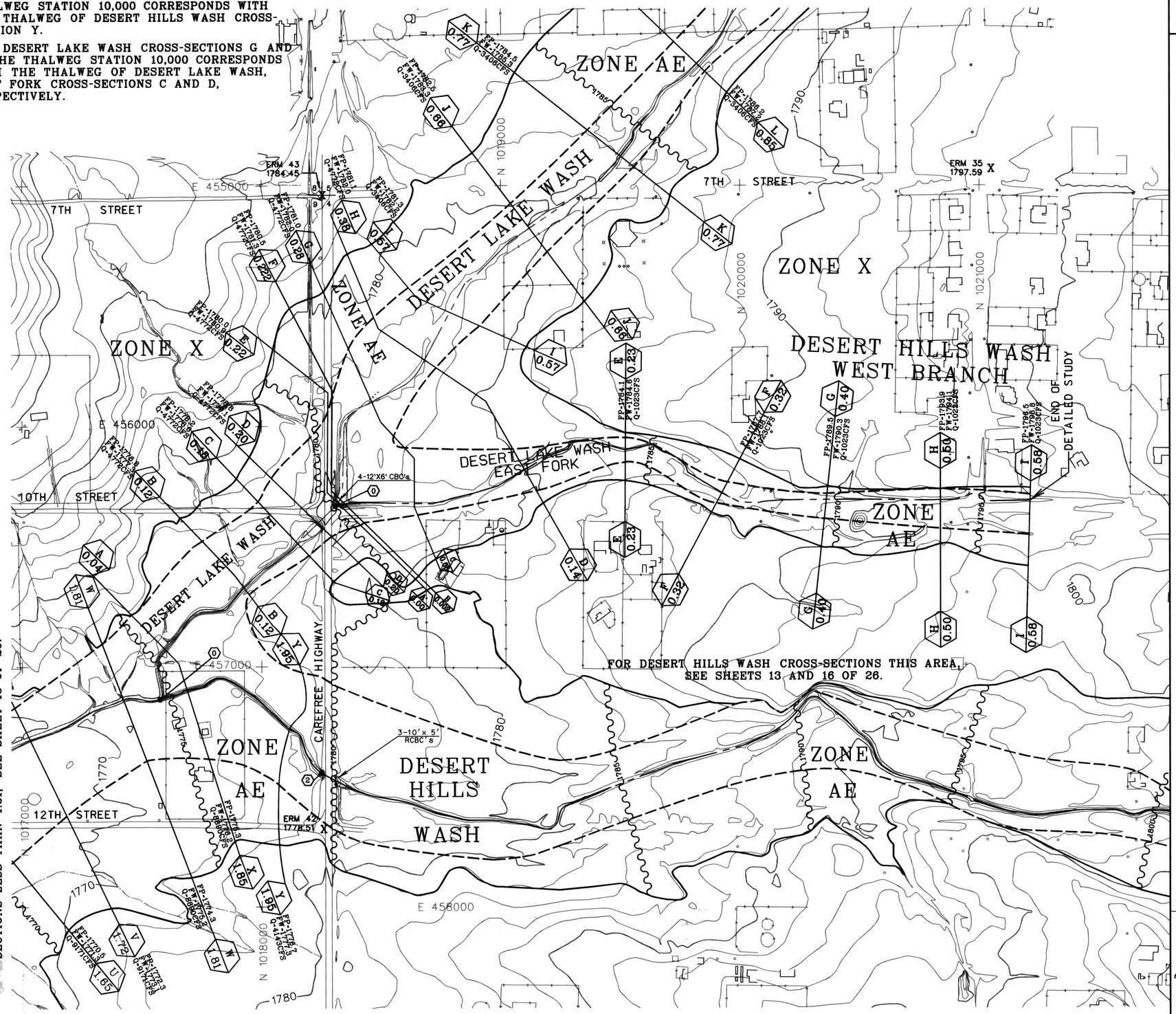
	By:	Date: Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS			
DESIGN CHECK:	R. BAELE	Date: Recommended By:	Date:	25
PLANS:	B. O'NEILL	Date: Approved By:	Date:	OF:
PLANS CHECK:	R. BAELE	Date: CHIEF ENGINEER AND GENERAL MANAGER		26

NOTE:

FOR DESERT LAKE WASH CROSS-SECTION B, THE THALWEG STATION 10,000 CORRESPONDS WITH THE THALWEG OF DESERT HILLS WASH CROSS-SECTION Y.

FOR DESERT LAKE WASH CROSS-SECTIONS G AND H, THE THALWEG STATION 10,000 CORRESPONDS WITH THE THALWEG OF DESERT LAKE WASH, EAST FORK CROSS-SECTIONS C AND D, RESPECTIVELY.

NOTE: FOR FLOOD LIMIT CONTINUATION AND CROSS-SECTIONS GREATER THAN 0.77, SEE SHEET 14 OF 26.



NOTE: FOR FLOOD LIMIT CONTINUATION AND CROSS-SECTIONS LESS THAN 1.81, SEE SHEET 13 OF 26.

MAPPING: KENNEY AERIAL MAPPING 1130 W. FILLMORE ST. PHOENIX, AZ. 85007 TEL.(602) 258-6471
SURVEY: McEWEN GLOBAL POSITIONING SYSTEMS INC., 8948 W. CALLE LEJOS PEORIA, AZ. 85345 TEL.(602) 566-0015

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
APACHE WASH FLOODPLAIN DELINEATION STUDY

200 0 200 600
2 FOOT CONTOUR INTERVAL

LEGEND

- 100-YR FLOODPLAIN BOUNDARY / FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE (# = RIVER MILE)
- CROSS SECTION — A / 1.00 — FP-100yr. WSE / FW-Floodway WSE / Q-100yr. Discharge (CFS)
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NOTE: ALL SYMBOLS ARE TYPICAL AND NOT NECESSARILY REPRESENTED ON THIS PAGE.

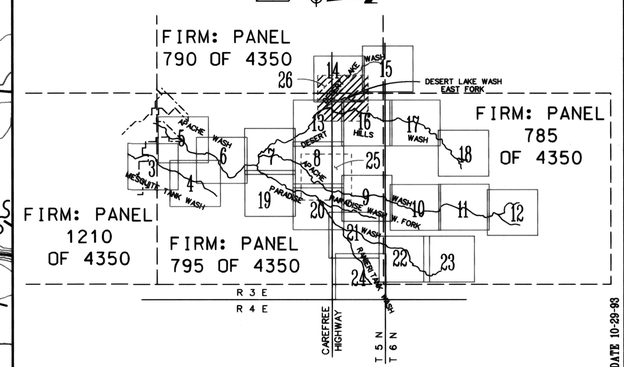
ELEVATION REFERENCE MARKS

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

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION / LOCATION
ERM 35	1797.59	MARICOPA COUNTY HWY. DEPT. BRASS CAP, FLUSH, 7TH STREET & GALVIN STREET.
ERM 42	1778.51	MARICOPA COUNTY HWY. DEPT. BRASS CAP IN HANDHOLE, 12TH STREET & CAREFREE HIGHWAY.
ERM 43	1784.45	TOP OF R.R. SPIKE, FLUSH, 7TH STREET & CAREFREE HIGHWAY.

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

INDEX MAP



THIS AREA ALSO COVERED ON THE FIRM: PANELS 790 AND 795 OF 4350.

PLOT DATE 10-29-93

Jerry R. Jones & Associates, Inc.
(A DAVID EVANS AND ASSOCIATES, INC. COMPANY)
ENGINEERS, PLANNERS AND SURVEYORS
2929 E. CAMELBACK ROAD, SUITE 240
PHOENIX, ARIZONA 85016 (602) 956-9850

15677 ROGER E. BAELE 11-15-93 Registered Professional Engineer ARIZONA, U.S.A.

	By:	Date:	Submitted By:	Date:	SHEET:
DESIGN:	B. MATHEWS				
DESIGN CHECK:	R. BAELE	Date:	Recommended By:	Date:	26
PLANS:	B. O'NEILL	Date:	Approved By:	Date:	OF:
PLANS CHECK:	R. BAELE	Date:	CHIEF ENGINEER AND GENERAL MANAGER		26