FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

D. E. SAGRAMOSO, CHIEF ENGINEER AND GENERAL MANAGER

WAGNER WASH FLOOD DELINEATION STUDY

SHEET INDEX MAP

VICINITY MAP

100 YEAR PEAK DISCHARGE	
WAGNER WASH AT CONFLUENCE	15717 CFS

CENTRAL FILES
304

STUDY DATE - 1991
MAPPING DATE - 1990
MCLAIN-HARBERS AERIAL CO., TUCSON, AZ.

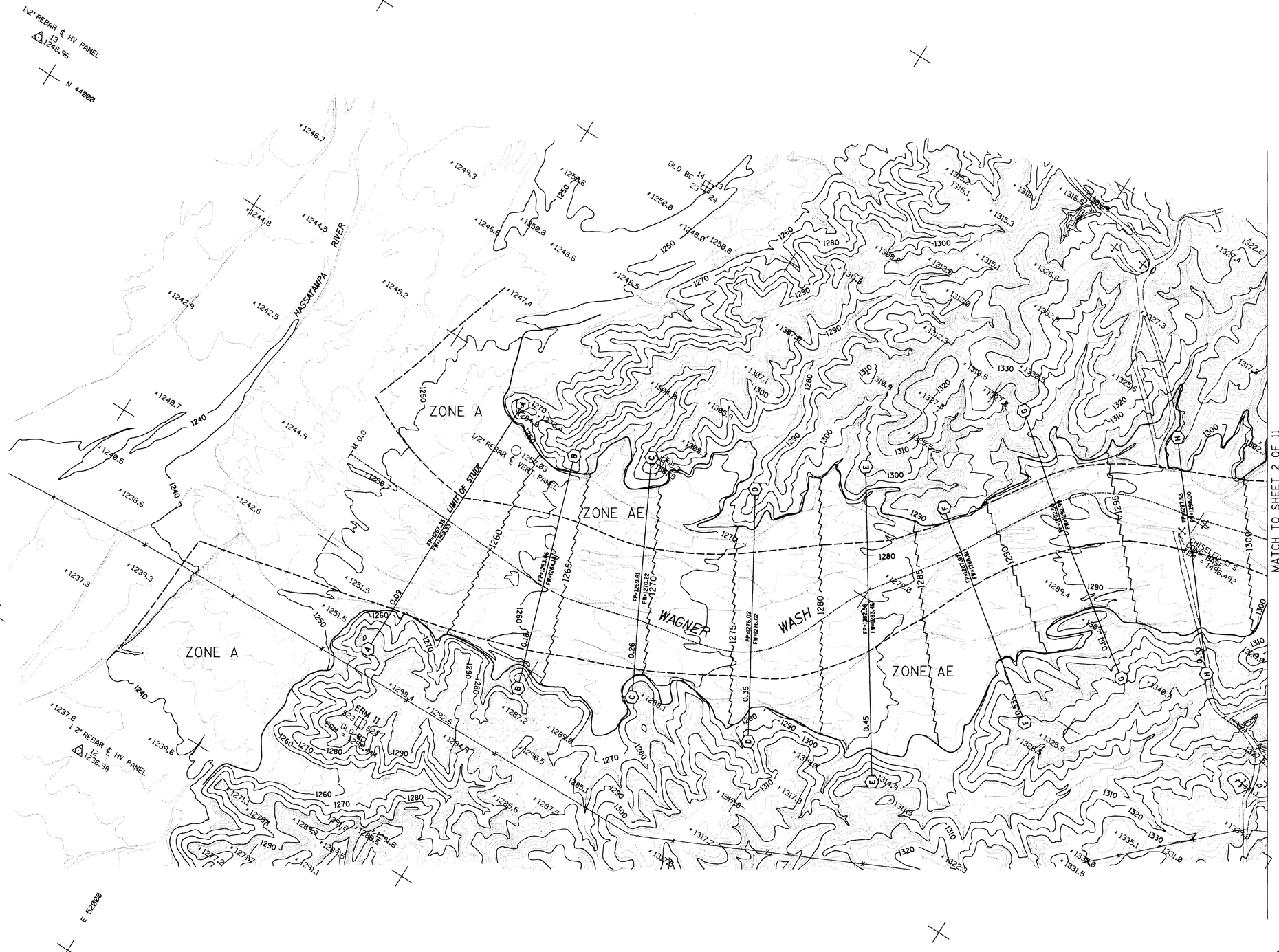
PREPARED BY: HDR ENGINEERING, INC.

	BY	DATE			
DESIGN	ETL	3/91	SUBMITTED BY:	DATE	SHEET
DESIGN CHK.	DWB	4/91	RECOMMENDED BY:	DATE	
PLAN	ETL	3//91	APPROVED BY:	DATE	
PLAN CHK.	DWB	4/91	CHIEF ENGINEER AND GENERAL MANAGER		OF

WAGNER WASH FDS
HDR ENG.
STUDY 1991 FCD 90-03

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP



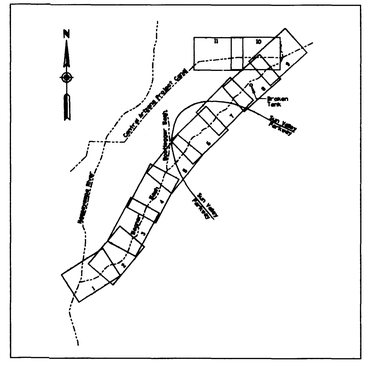
LEGEND

- 100-Yr Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M75.0 M76.0
- Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A
- Elevation Reference Marks — ERM7 X
- Base Flood Elevations — 580
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 11	1296.44	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 23 and 24, Township 3 North, Range 5 West.

INDEX MAP



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Scale: 1" = 200'

Contour Interval = 2 Feet

PREPARED BY:

HDR ENGINEERING, INC.

	BY	DATE			SHEET
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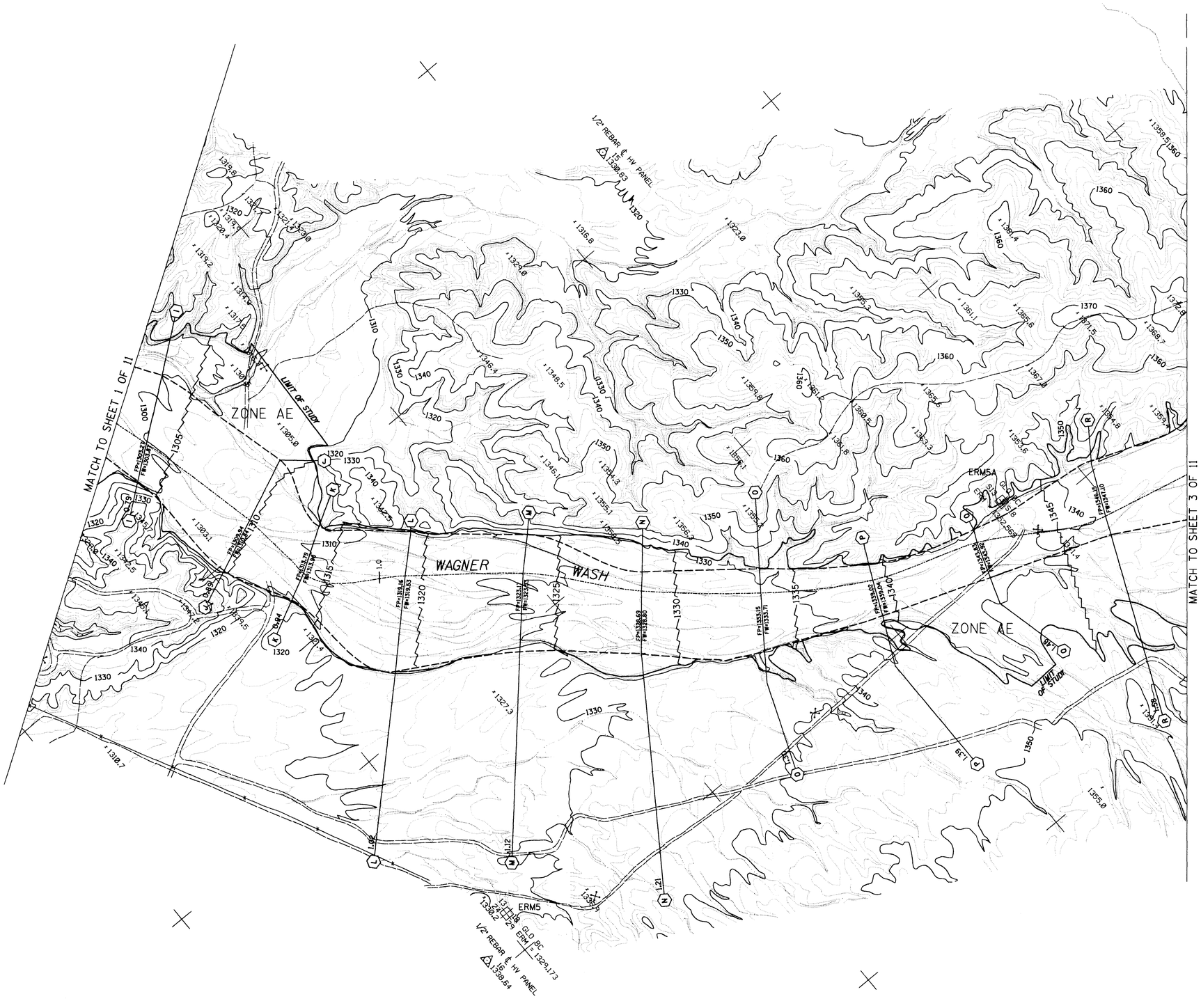
DESIGN CHK.	DWB	4-91	RECOMMENDED BY:	DATE	
PLAN	ETL	3-91	APPROVED BY:	DATE	OF 11
PLAN CHK.	DWB	4-91	CHIEF ENGINEER AND GENERAL MANAGER		

WWASHO1 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP



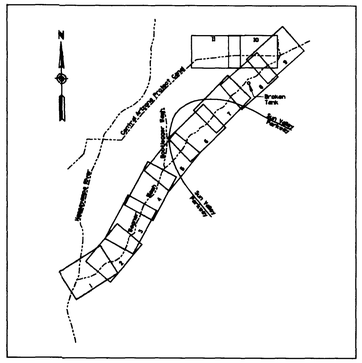
LEGEND

- 100-Yr Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile (M75.0 — M76.0)
- Cross Section (A — FP=100 Yr. WSE / FW = FLOODWAY WSE — A)
- Elevation Reference Marks (ERM7 X)
- Base Flood Elevations (580)
- Zone Designations (ZONE AE)

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 5	1329.17	Brass Cap Stamped U.S. Government Land Office at Corner of Sections 13, 18, 19,and 24, Township 3 North, Range 5 West.
ERM 5A	1352.57	Brass Cap Stamped U.S. Government Land Office at East Quarter Corner of Section 13, Township 3 North, Range 5 West

INDEX MAP



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Contour Interval = 2 Feet

PREPARED BY:
HDR ENGINEERING, INC.

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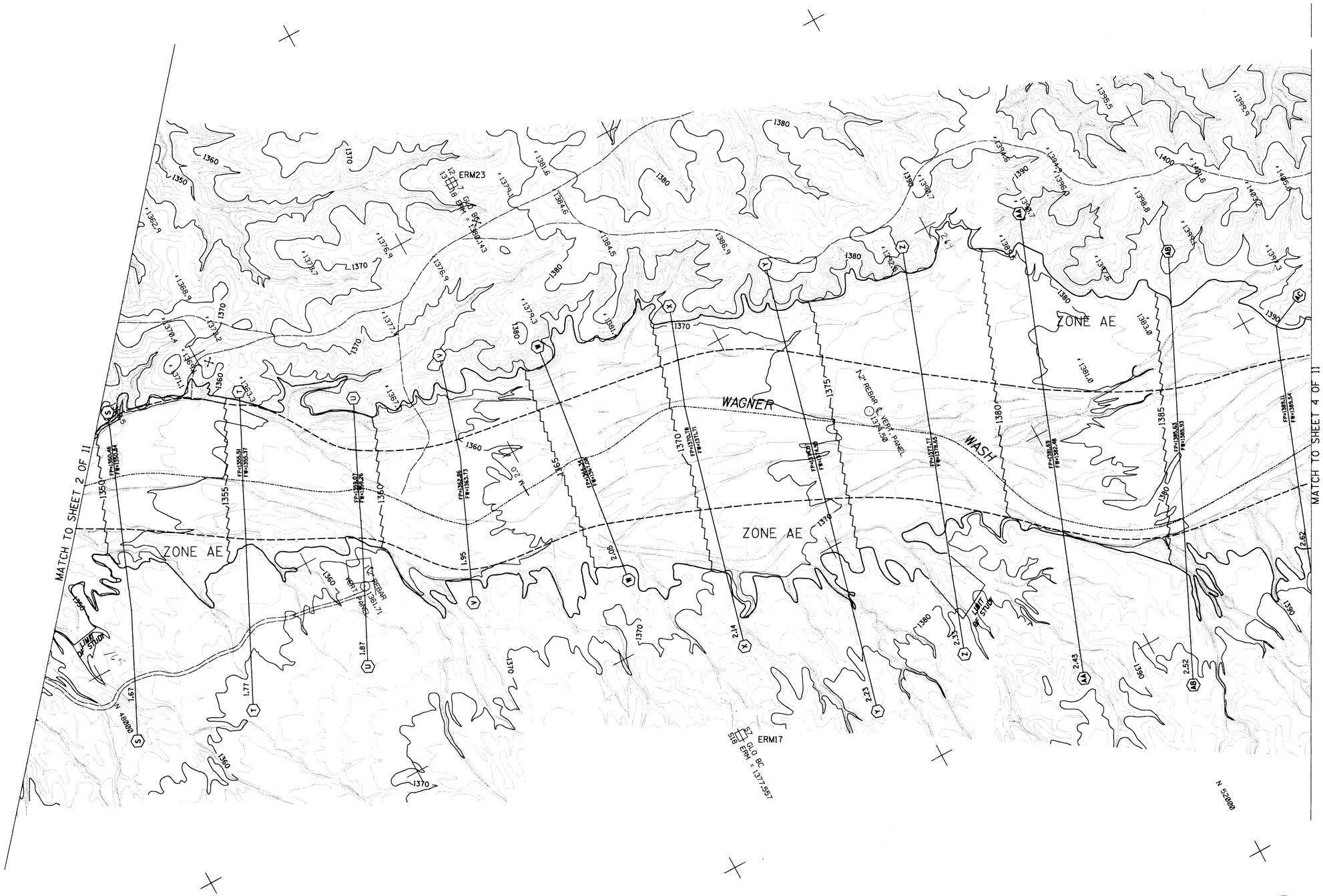
PLAN CHK.	DWB	4/91	CHIEF ENGINEER AND GENERAL MANAGER	

WWASH02 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

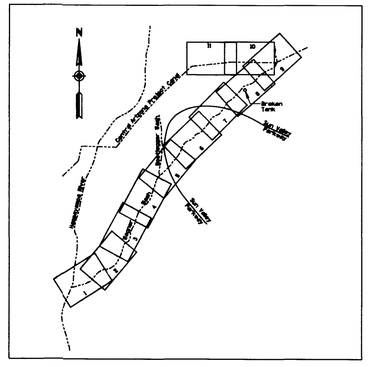
LEGEND

100-Yr Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M75.0 M76.0
Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A
Elevation Reference Marks — ERM7 X
Base Flood Elevations — 580
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 17	1377.56	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 7 and 18, Township 3 North, Range 4 West.
ERM 23	1380.14	Brass Cap Stamped U.S. Government Land Office at Corner of Sections 7, 12, 13 and 18, Township 3 North, Range 5 West.

INDEX MAP



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Contour Interval = 2 Feet

PREPARED BY:
HDR ENGINEERING, INC.

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PLAN	ETL	3/91	APPROVED BY: DATE	
PLAN CHK.	DWB	4/91	CHIEF ENGINEER AND GENERAL MANAGER	OF 11

WWASH03 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

LEGEND

100-Yr Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M75.0 M76.0

Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A

Elevation Reference Marks — ERM7 X

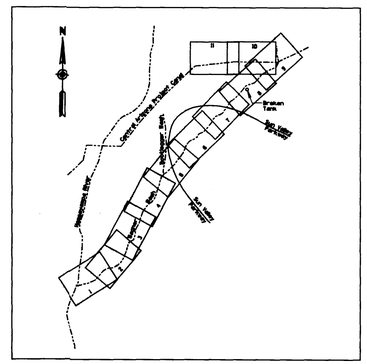
Base Flood Elevations — 580

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 34	1418.00	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 6 and 7, Township 3 North, Range 4 West.
ERM 7	1417.95	Brass Cap Stamped U.S. Government Land Office at Corner of Sections 5,6, 7 and 8, Township 3 North, Range 4 West.

INDEX MAP



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Scale: 1" = 200'

Contour Interval = 2 Feet

PREPARED BY:

HDR ENGINEERING, INC.

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PLAN	ETL	3/91
PLAN CHK.	DWB	4/91

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RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 04 OF 11

WWASHO4 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

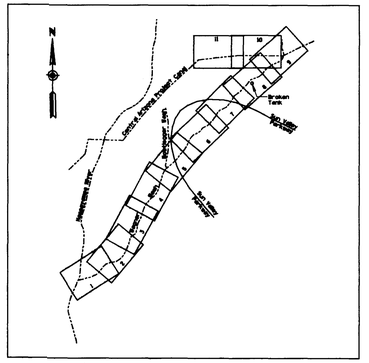
LEGEND

- 100-Yr Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile (M75.0 — M76.0)
- Cross Section (A — FP=100 Yr. WSE / FW = FLOODWAY WSE — A)
- Elevation Reference Marks ERM7 X
- Base Flood Elevations 580
- Zone Designations ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 27	1448.07	Brass Cap Stamped U.S. Government Land Office at North Quarter Corner of Section 5, Township 3 North, Range 4 West.
ERM 31A	1440.49	Brass Cap In NE Corner of Center Box Culvert at Wagner Wash and Sun Valley Parkway. Stamped 1442.00. Near Center of Section 5, Township 3 North, Range 4 West.

INDEX MAP



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PREPARED BY:

HDR ENGINEERING, INC.

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PLAN CHK.	DWB	4/91	CHIEF ENGINEER AND GENERAL MANAGER		OF 11

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

WWASHOS USER 9 PEN

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

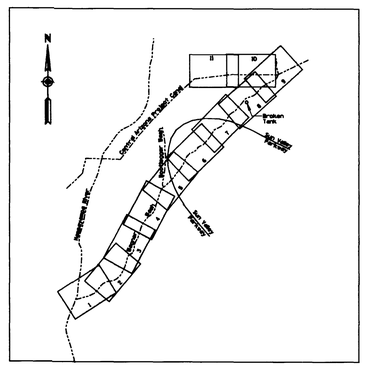
LEGEND

100-Yr Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M75.0 M76.0
Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A
Elevation Reference Marks — ERM7 X
Base Flood Elevations — 580
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 19	1471.87	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 32 and 33, Township 4 North, Range 4 West.

INDEX MAP



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PREPARED BY:
HDR ENGINEERING, INC.

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PLAN	ETL	3/91
PLAN CHK.	DWB	4/91

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APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 06 OF 11

WWASH06 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

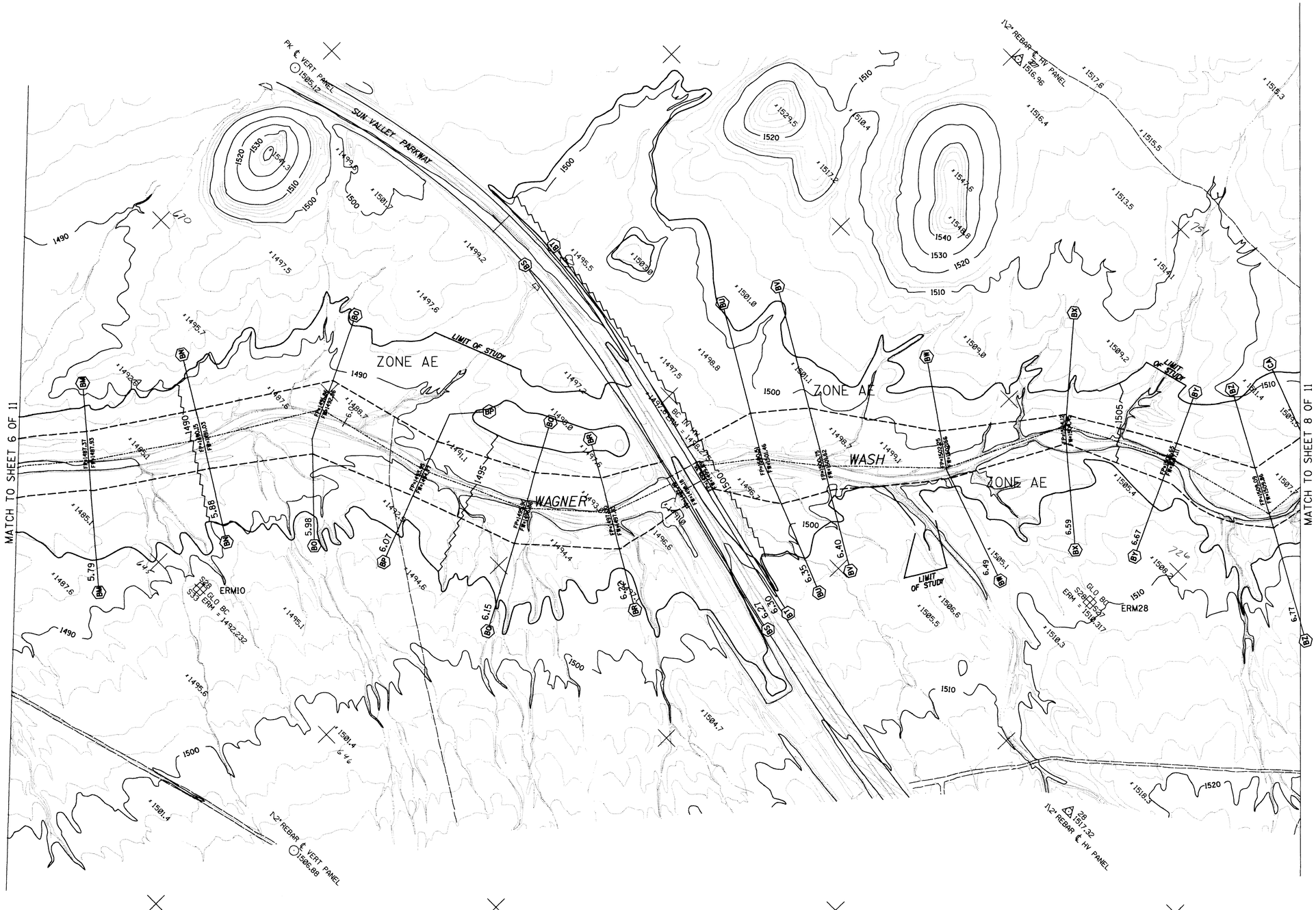
FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

LEGEND

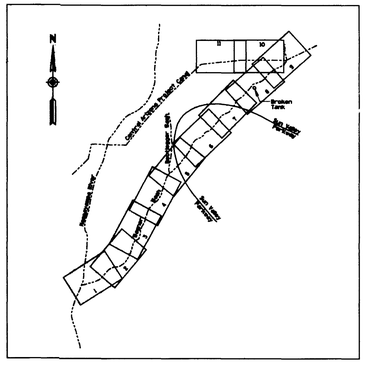
100-Yr Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M75.0 M76.0
Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A
Elevation Reference Marks — ERM7 X
Base Flood Elevations — 580
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 10	1492.23	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 28 and 33, Township 4 North, Range 4 West.
ERM 28	1510.32	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 28 and 27, Township 4 North, Range 4 West.



INDEX MAP



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Contour Interval = 2 Feet

PREPARED BY: HDR ENGINEERING, INC.

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PLAN	ETL	3/91	APPROVED BY: DATE	OF 11
PLAN CHK.	DWB	4/91	CHIEF ENGINEER AND GENERAL MANAGER	

Registered Professional Engineer's Certificate No. 17746 LAWRENCE W. VEN Date 12-31-91 ARIZONA, U.S.A.

WWASH07 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

LEGEND

100-Yr Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M75.0 M76.0

Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A

Elevation Reference Marks — ERM7 X

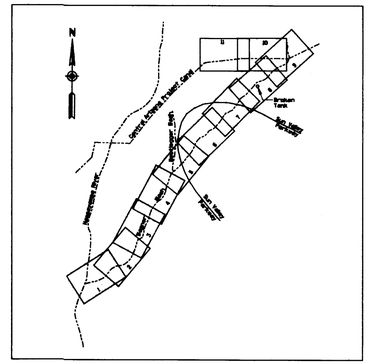
Base Flood Elevations — 580

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 38	1524.24	Brass Cap Stamped U.S. Government Land Office at Corner of Sections 21,22, 27 and 28, Township 4 North, Range 4 West.
ERM 15	1522.07	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 22 and 27, Township 4 North, Range 4 West.

INDEX MAP



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Contour Interval = 2 Feet

PREPARED BY:

HDR ENGINEERING, INC.

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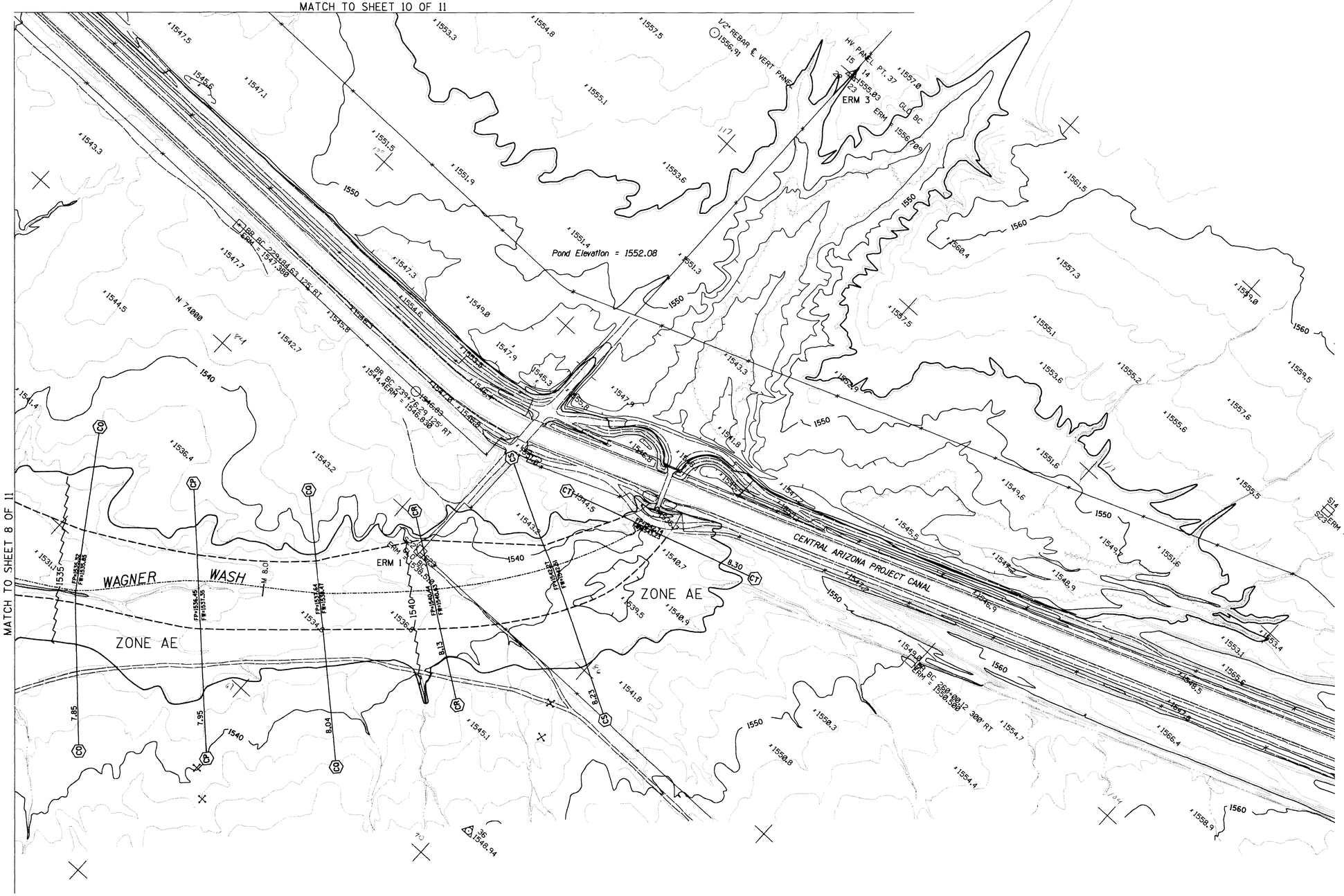
PLAN CHK.	DWB	4-91	CHIEF ENGINEER AND GENERAL MANAGER		

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

WWASH08 USER 9 PEN



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

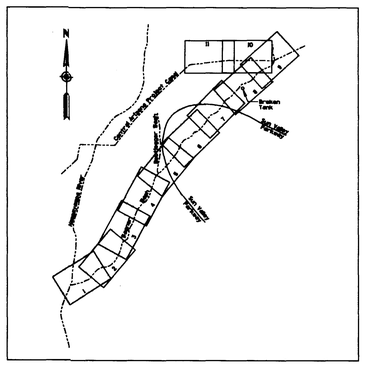
LEGEND

100-Yr Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M75.0 M76.0
Cross Section — A FP=100 Yr. WSE / FW = FLOODWAY WSE A
Elevation Reference Marks — ERM7 X
Base Flood Elevations — 580
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 1	1538.51	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 22 and 23, Township 4 North, Range 4 West.
ERM 3	1556.71	Brass Cap Stamped U.S. Government Land Office at Corner of Sections 14,15, 22 and 23, Township 4 North, Range 4 West.

INDEX MAP



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PREPARED BY:
HDR ENGINEERING, INC.

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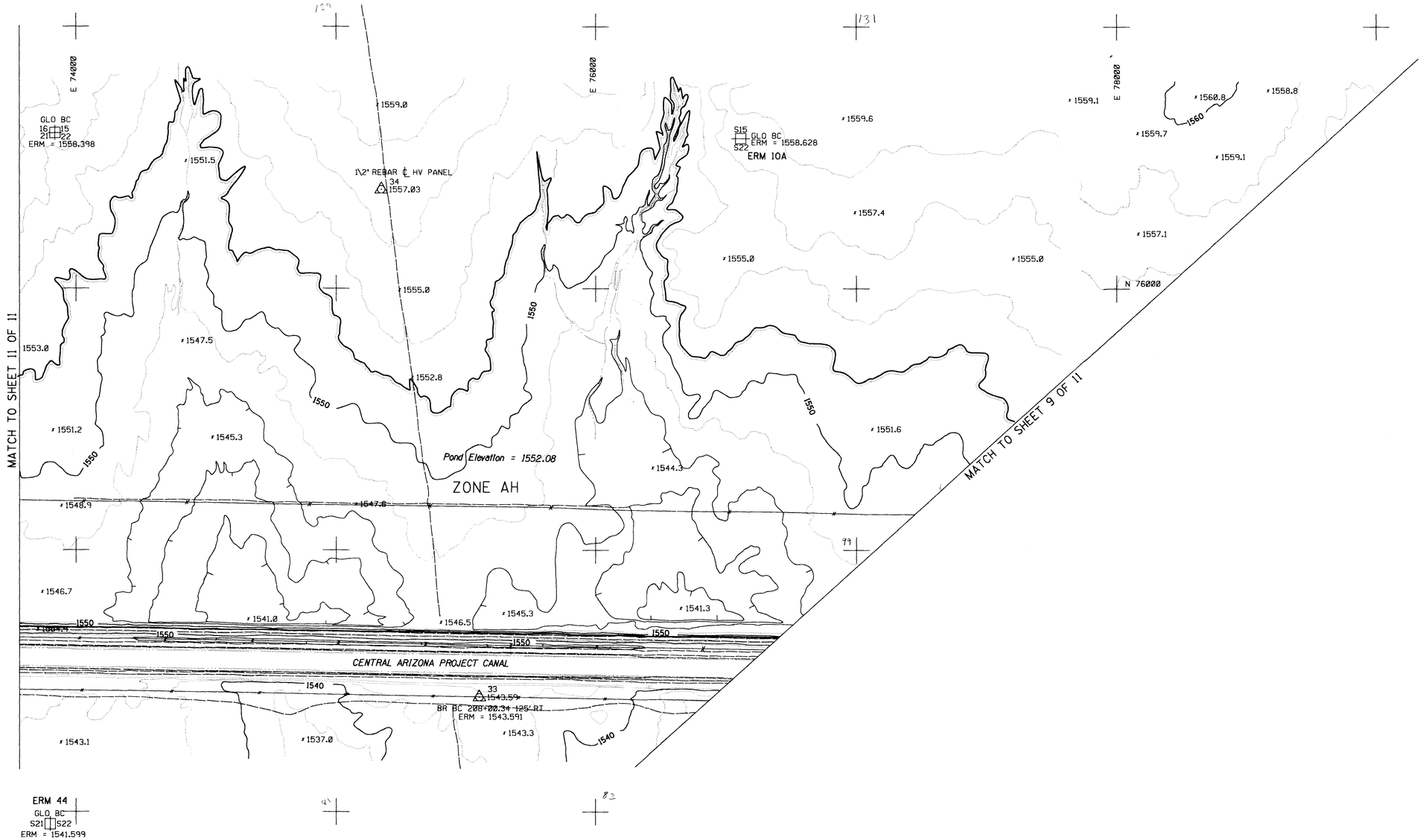
PLAN CHK.	DWB	4-91	CHIEF ENGINEER AND GENERAL MANAGER	OF 11

WWASH09 USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH
WORK MAP



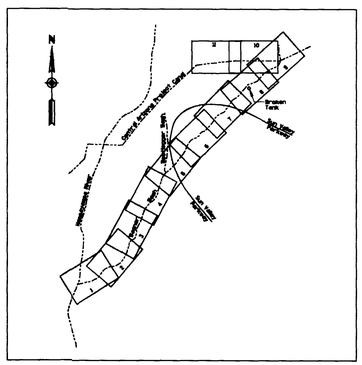
LEGEND

- 100-Yr Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M75.0 — M76.0
- Cross Section — A — FP=100 Yr. WSE / FW = FLOODWAY WSE — A
- Elevation Reference Marks — ERM7 X
- Base Flood Elevations — 580
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 10A	1558.63	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 15 and 22, Township 4 North, Range 4 West.
ERM 44	1541.60	Brass Cap Stamped U.S. Government Land Office at Quarter Corner of Sections 21 and 22, Township 4 North, Range 4 West.

INDEX MAP



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Scale: 1" = 200'
Contour Interval = 2 Feet

PREPARED BY:
HDR ENGINEERING, INC.

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PLAN	ETL	3-91	APPROVED BY:	DATE	OF 11
PLAN CHK.	DWB	4-91	CHIEF ENGINEER AND GENERAL MANAGER		

WWASHIO USER 9 PEN

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF WAGNER WASH WORK MAP

LEGEND

100-Yr Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M75.0 — M76.0

Cross Section — A — FP=100 Yr. WSE / FW = FLOODWAY WSE — A

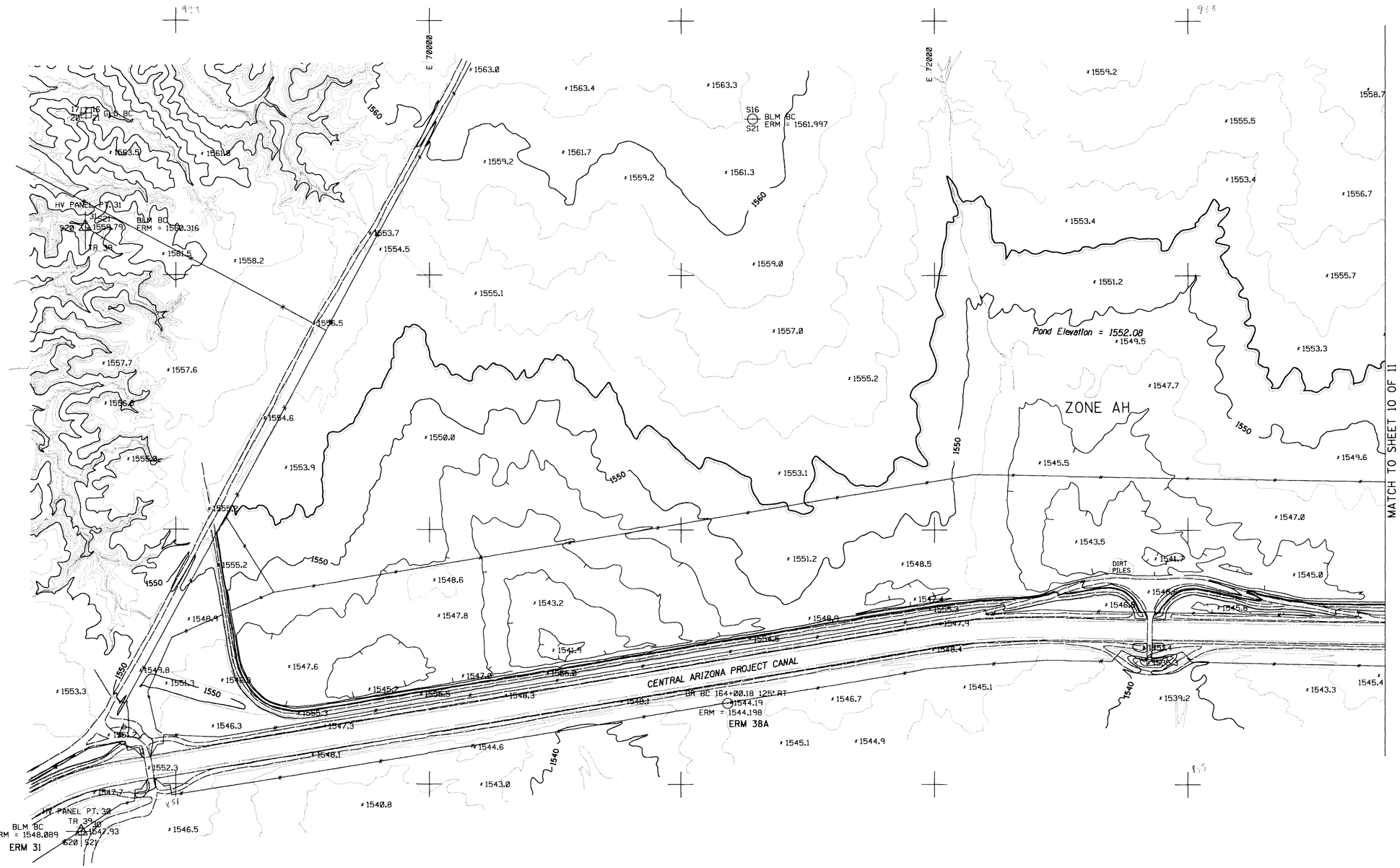
Elevation Reference Marks — ERM7 X

Base Flood Elevations — 580

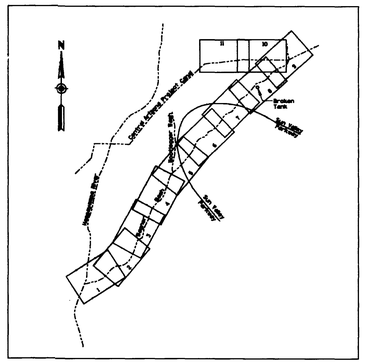
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 31	1548.09	Bureau of Land Management Brass Cap Marked TR 39 at Quarter Corner of Sections 20 and 21, Township 4 North, Range 4 West.
ERM 38A	1544.20	Central Arizona Project R/W Brass Cap Located at R/W Sta. 164+00.18, 125' Rt. Near Center of Section 21, Township 4 North, Range 4 West.



INDEX MAP



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Scale: 1" = 200'

Contour Interval = 2 Feet

PREPARED BY:

HDR ENGINEERING, INC.

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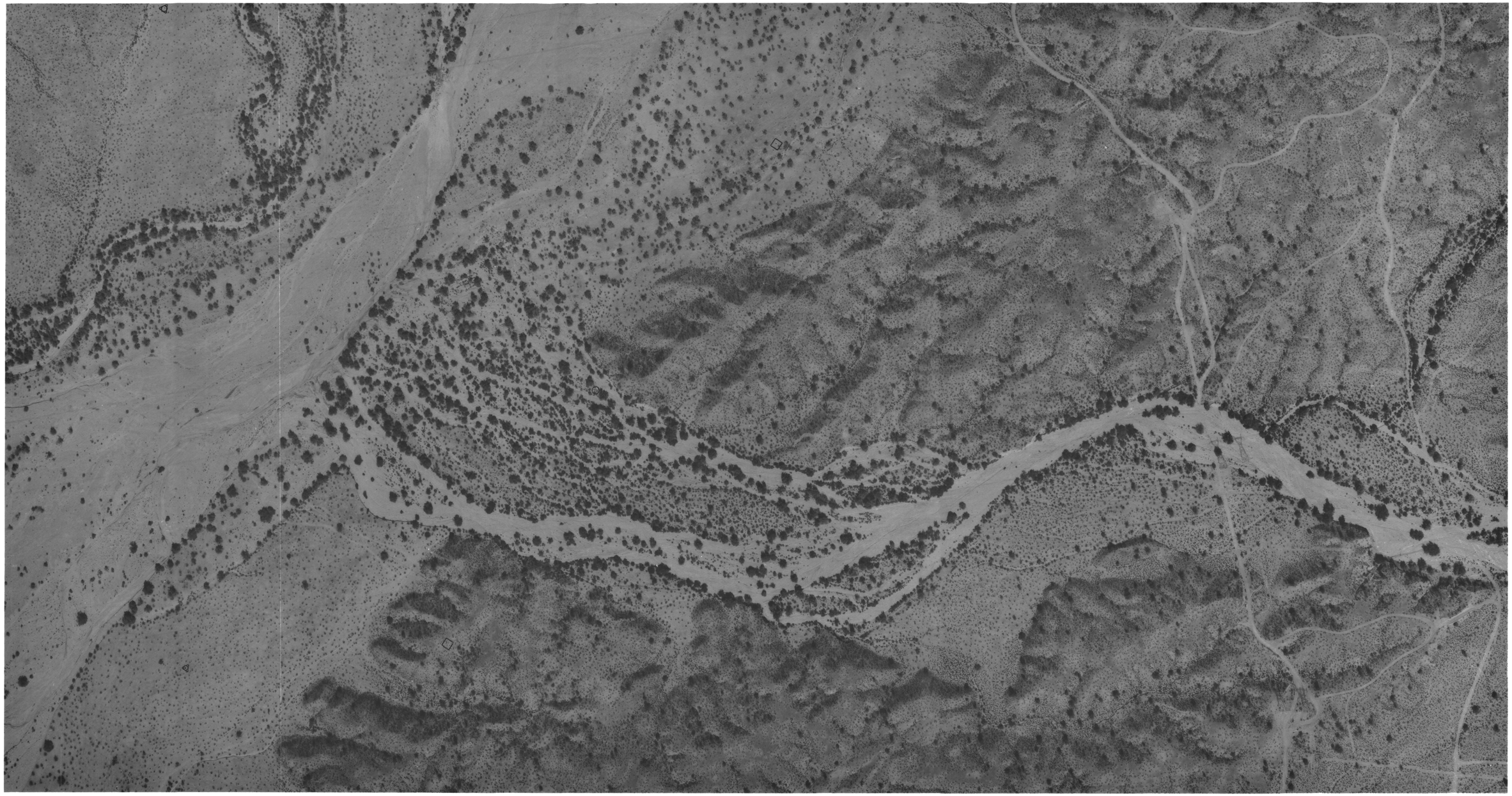
DESIGN CHK.	DWB	4-91	RECOMMENDED BY:	DATE
PLAN	ETL	3-91	APPROVED BY:	DATE
PLAN CHK.	DWB	4-91	CHIEF ENGINEER AND GENERAL MANAGER	

SHEET 11 OF 11

Topographic Mapping Prepared By McLain Harbers Co., Inc. Photo Date 9-90

WWASH11 USER 9 PEN



LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 1 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

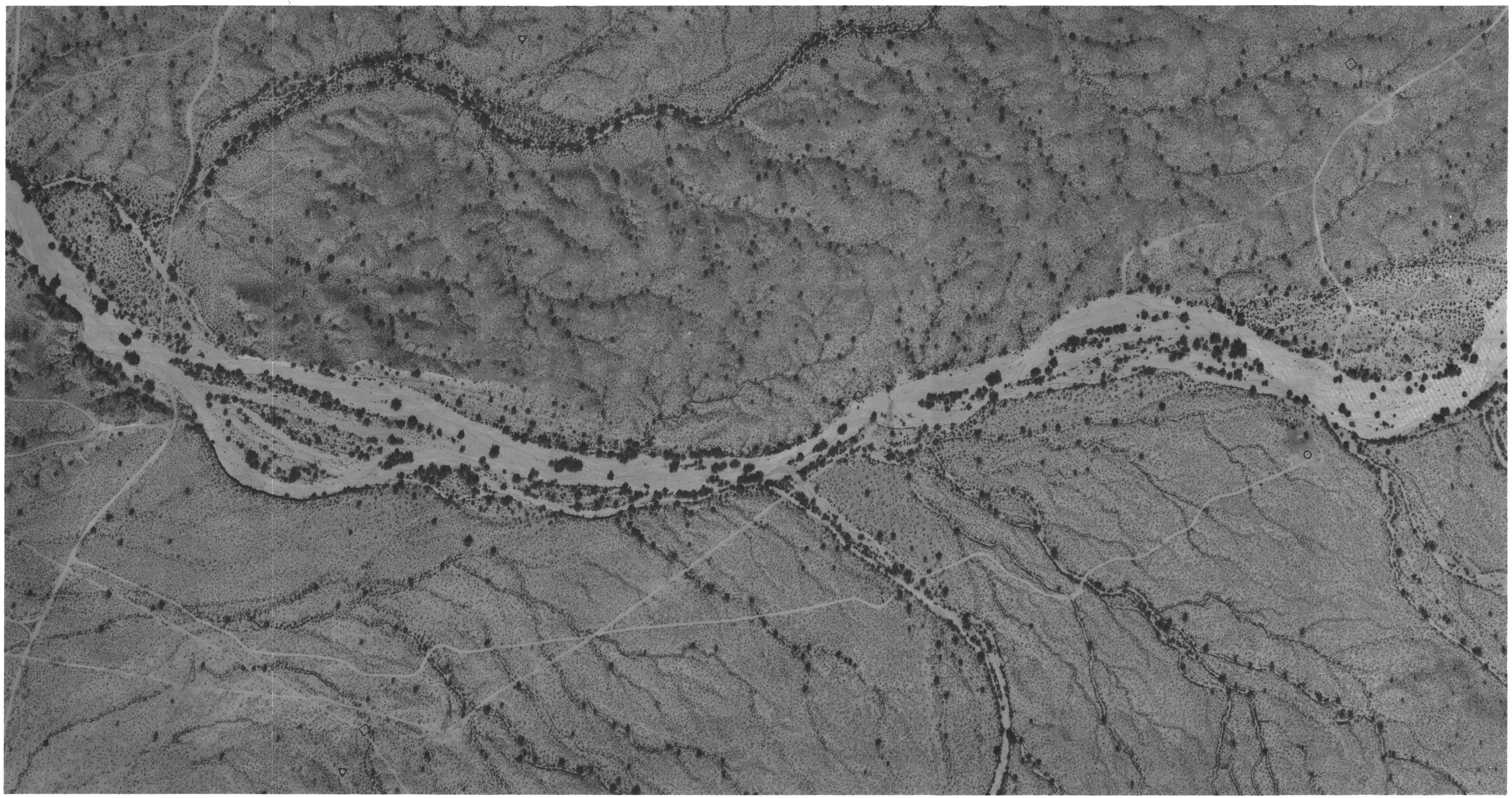
Contour Interval:

Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

HDR Engineering, Inc.
5353 N. 16th Street
SUITE 205
PHOENIX, ARIZONA 85016



LEGEND

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

WORK MAP

Stream: WAGNER WASH
Sheet 2 of 11
Mapping By: McLAIN HARBERS CO., INC.
Scale: 1" = 200 FEET
Contour Interval:
Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

HDR Engineering, Inc.
5353 N. 16th Street
SUITE 205
PHOENIX, ARIZONA 85016

LEGEND

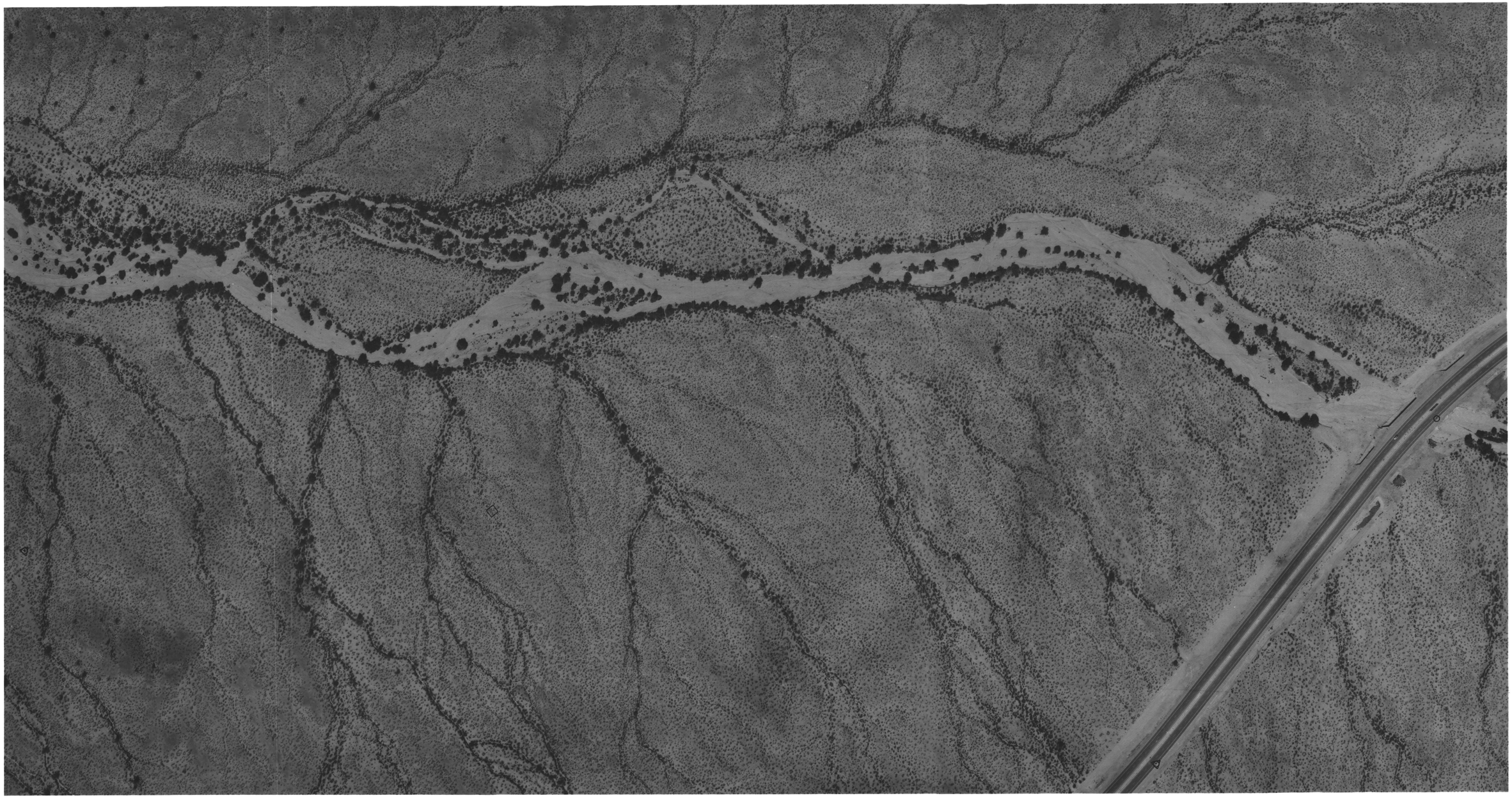
McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

WORK MAP

Stream: WAGNER WASH
Sheet 3 of 11
Mapping By: McLAIN HARBERS CO., INC.
Scale: 1" = 200 FEET
Contour Interval:
Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

HDR Engineering, Inc.
5353 N. 16th Street
SUITE 205
PHOENIX, ARIZONA 85016



LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 4 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

HDR Engineering, Inc.
5353 N. 16th Street
SUITE 205
PHOENIX, ARIZONA 85016

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

LEGEND

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

WORK MAP

Stream: WAGNER WASH

Sheet 5 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

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LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 6 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

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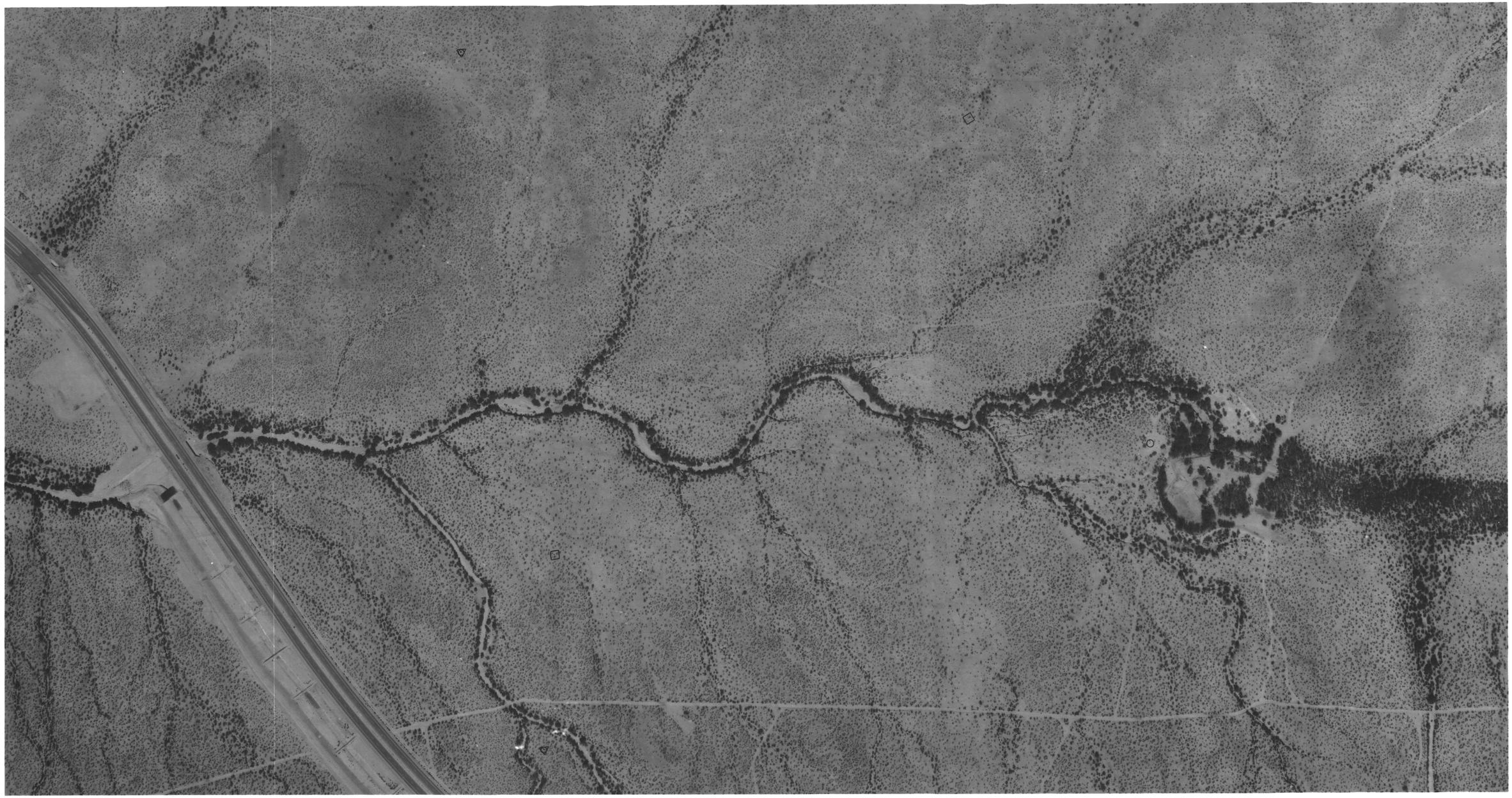

LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 7 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
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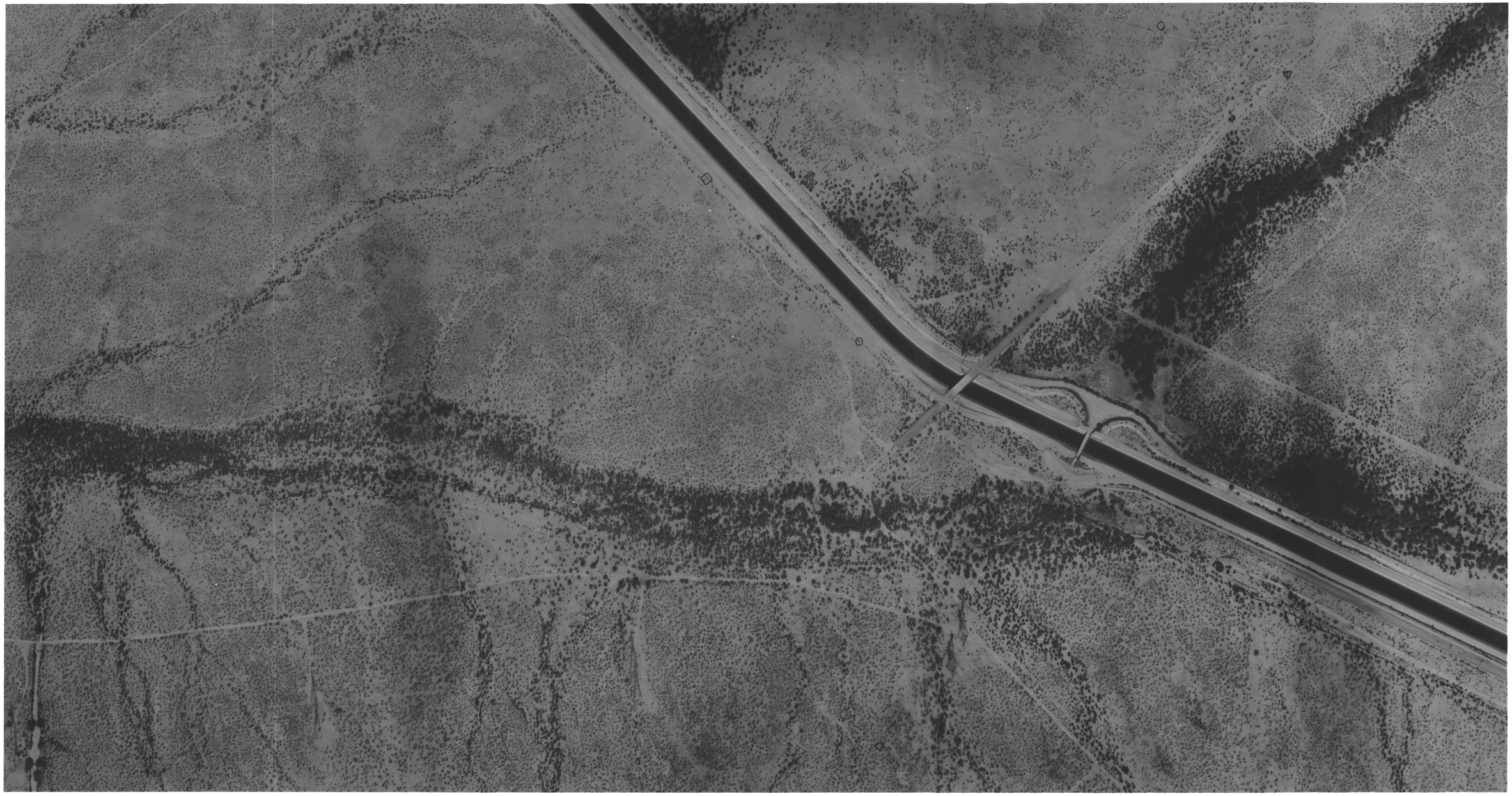

LEGEND

McLAIN HARBERS CO., INC.
AERIAL MAPPING & SURVEYING
720 W. Prince Rd.
Tucson, Arizona 85705

WORK MAP

Stream: WAGNER WASH
Sheet 8 of 11
Mapping By: McLAIN HARBERS CO., INC.
Scale: 1" = 200 FEET
Contour Interval:
Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

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LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 9 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
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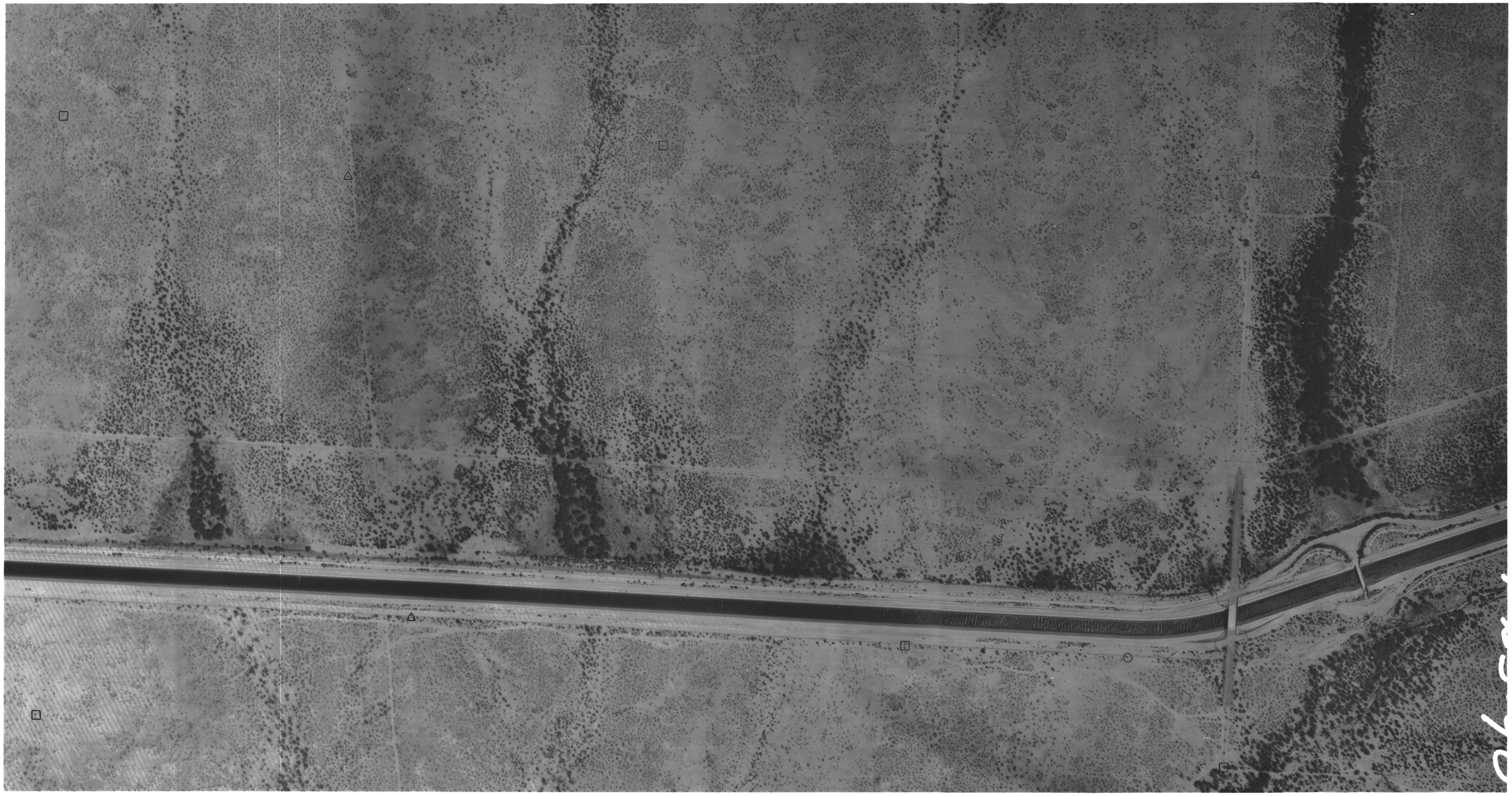

LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet 10 of 11

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

FLOOD CONTROL DISTRICT
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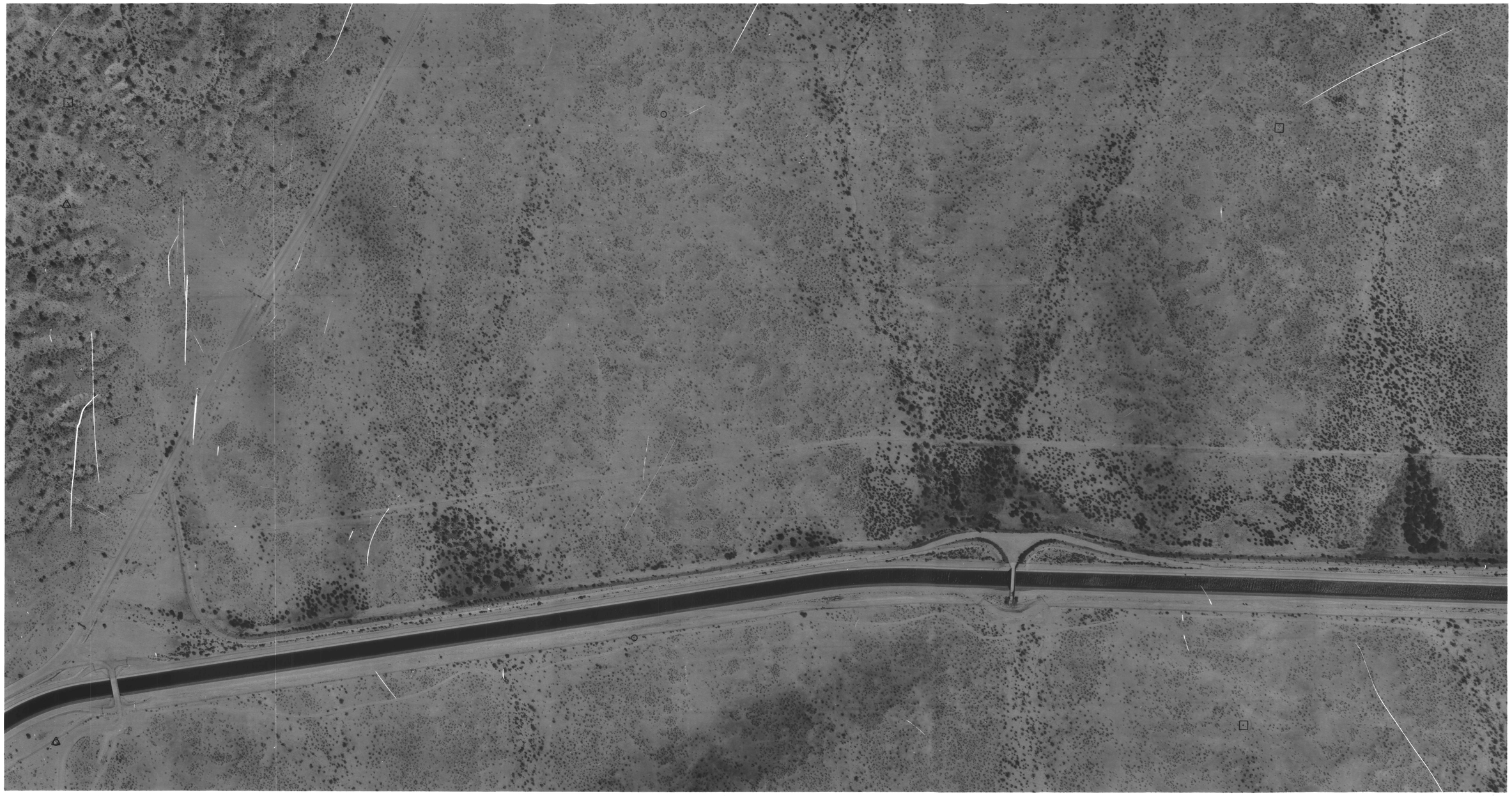

LEGEND

WORK MAP

Stream: WAGNER WASH

Sheet II of II

Mapping By: McLAIN HARBERS CO., INC.

Scale: 1" = 200 FEET

Contour Interval:

Date of Flight: 9/25/90

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