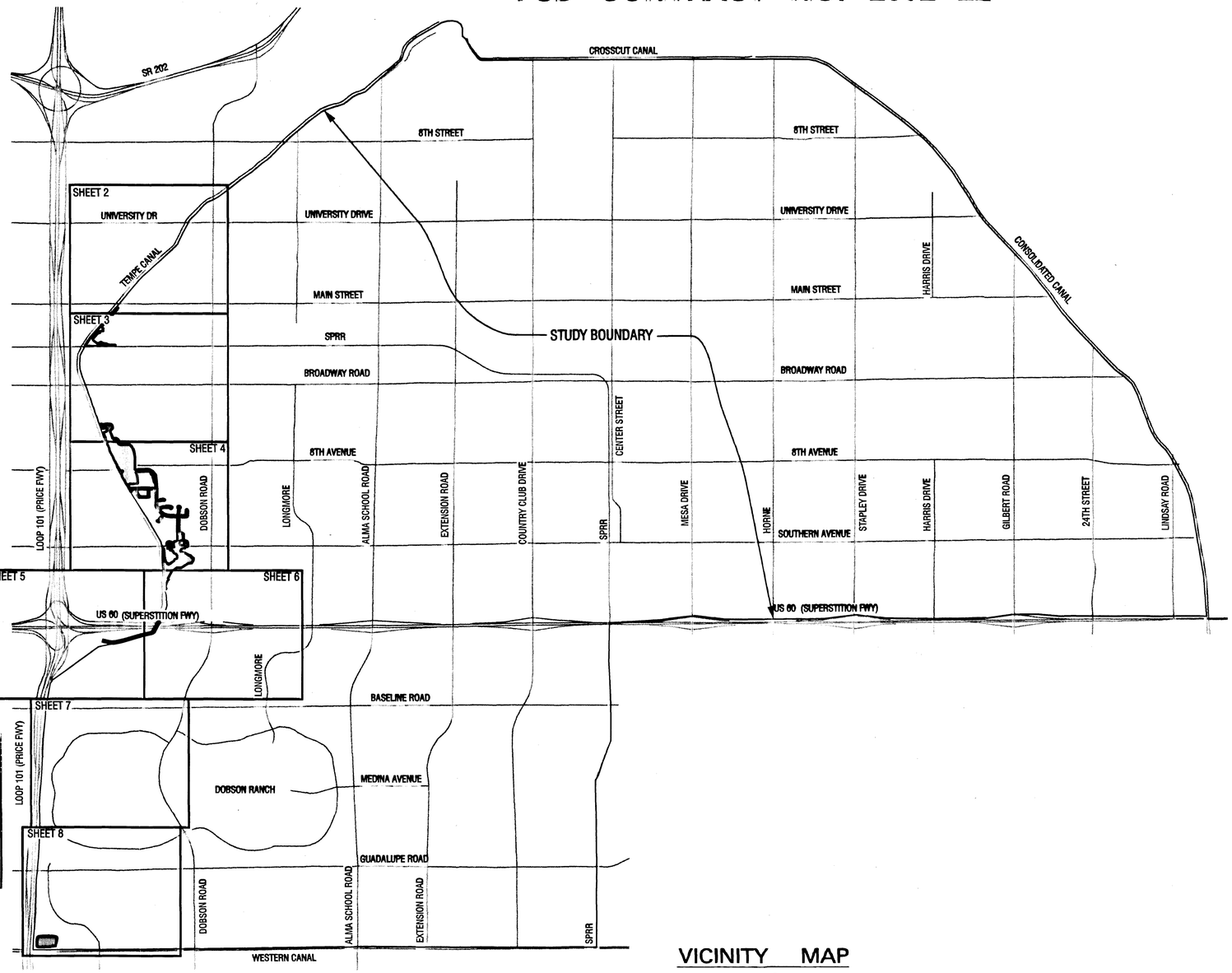
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

TEMPE CANAL FLOODPLAIN DELINEATION STUDY

FCD CONTRACT NO. 2002-22



VICINITY MAP

Not to Scale

0 100 200 400

SCALE: 1"=200'

N

AERIAL MAPPING

COOPER AERIAL SURVEYS CO., FLIGHT DATE: 3-10-03
HORIZONTAL: NORTH AMERICAN DATUM OF 1983.
VERTICAL: NORTH AMERICAN VERTICAL DATUM OF 1988.

GROUND CONTROL BY HOSKIN RYAN CONSULTANTS

HYDROLOGY/HYDRAULICS

HOSKIN RYAN CONSULTANTS, INC.
201 W. INDIAN SCHOOL ROAD.
PHOENIX, AZ 85013-3203
(602) 252-8384
HRC 03-023

SHEET INDEX

1 COVER SHEET
2-8 100-YR FLOODPLAIN MAPS

Hoskin • Ryan Consultants
creative engineering solutions
201 W. Indian School Road, Phoenix, Arizona 85013-3203
Office: (602) 252-8384 Fax: (602) 252-8385 www.hoskinryan.com

IN ASSOCIATION WITH:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

TEMPE CANAL

FLOODPLAIN DELINEATION STUDY

F.C.D. CONTRACT NO. 2002-22

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 19690 PAUL W.R. HOSKIN ARIZONA, U.S.A.

	BY	DATE
DESIGN	K. VAN METER	10-26-2006
DESIGN CHK.	P. W. R. HOSKIN	10-26-2006
PLANS	K. VAN METER	10-26-2006
PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

SHEET 1 OF 8

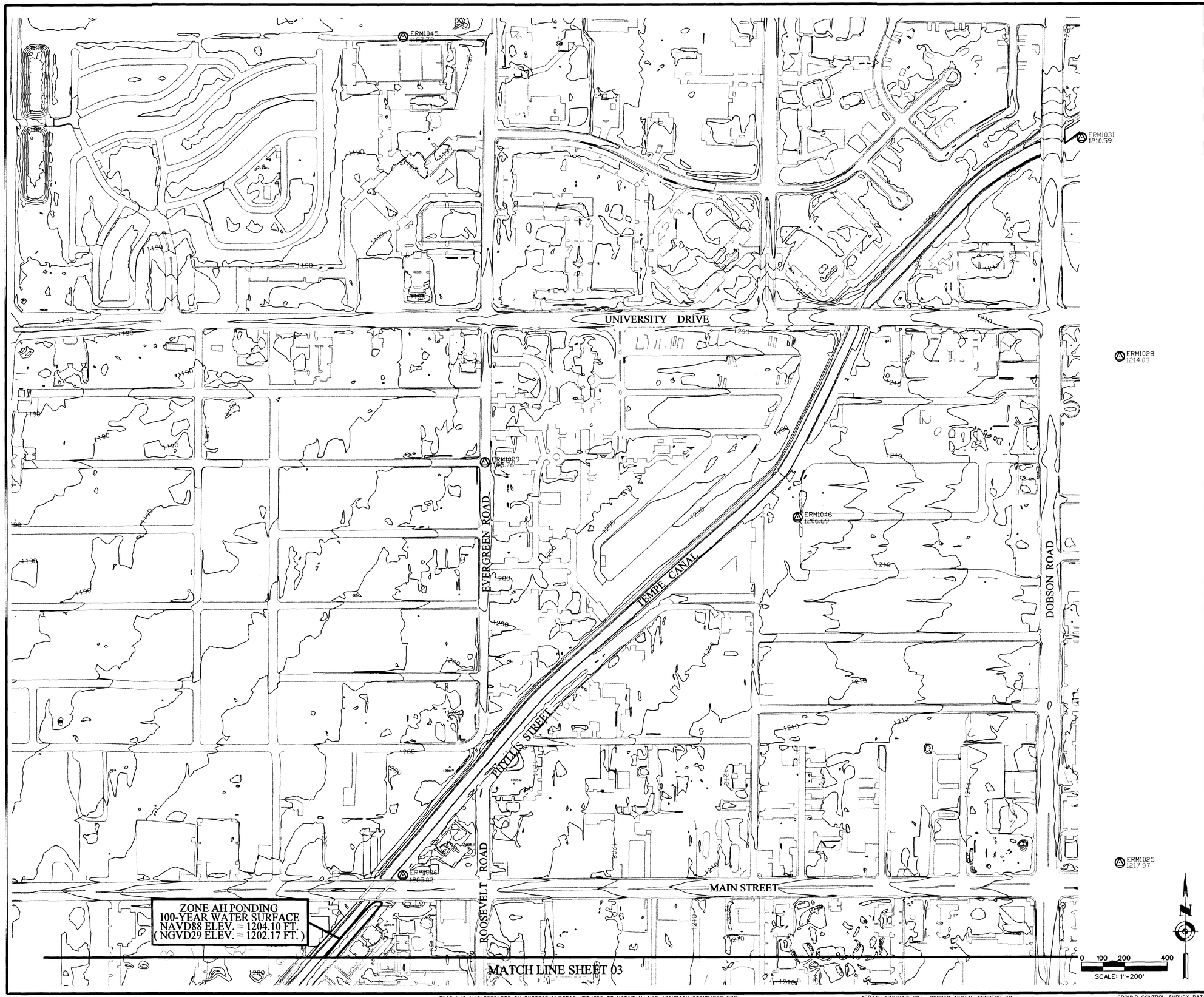
CENTRAL FILES
DRAWER # 301

Tempe Canal FDS (100-Yr Floodplain)
Hoskin Ryan Consult.
Year of Study: 2007 Drawer: 301

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.



LEGEND

100-YEAR FLOODPLAIN BOUNDARY

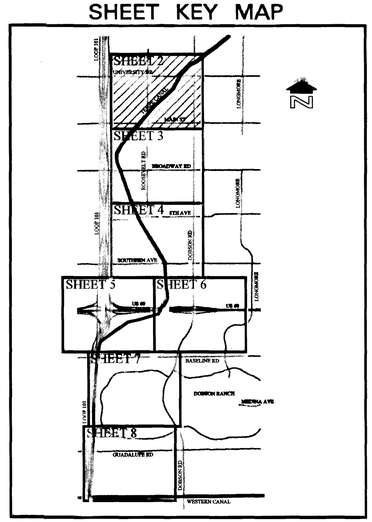
ELEVATION REFERENCE MARKS — ERM1028 1214.03

POTENTIAL FLOW LEAVING FLOODPLAIN

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. NGVD29 ELEVATION = NAVD88 ELEVATION - 1.93 FEET.

SHEET KEY MAP



NO.	REVISION	BY	DATE
2			
1			

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PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

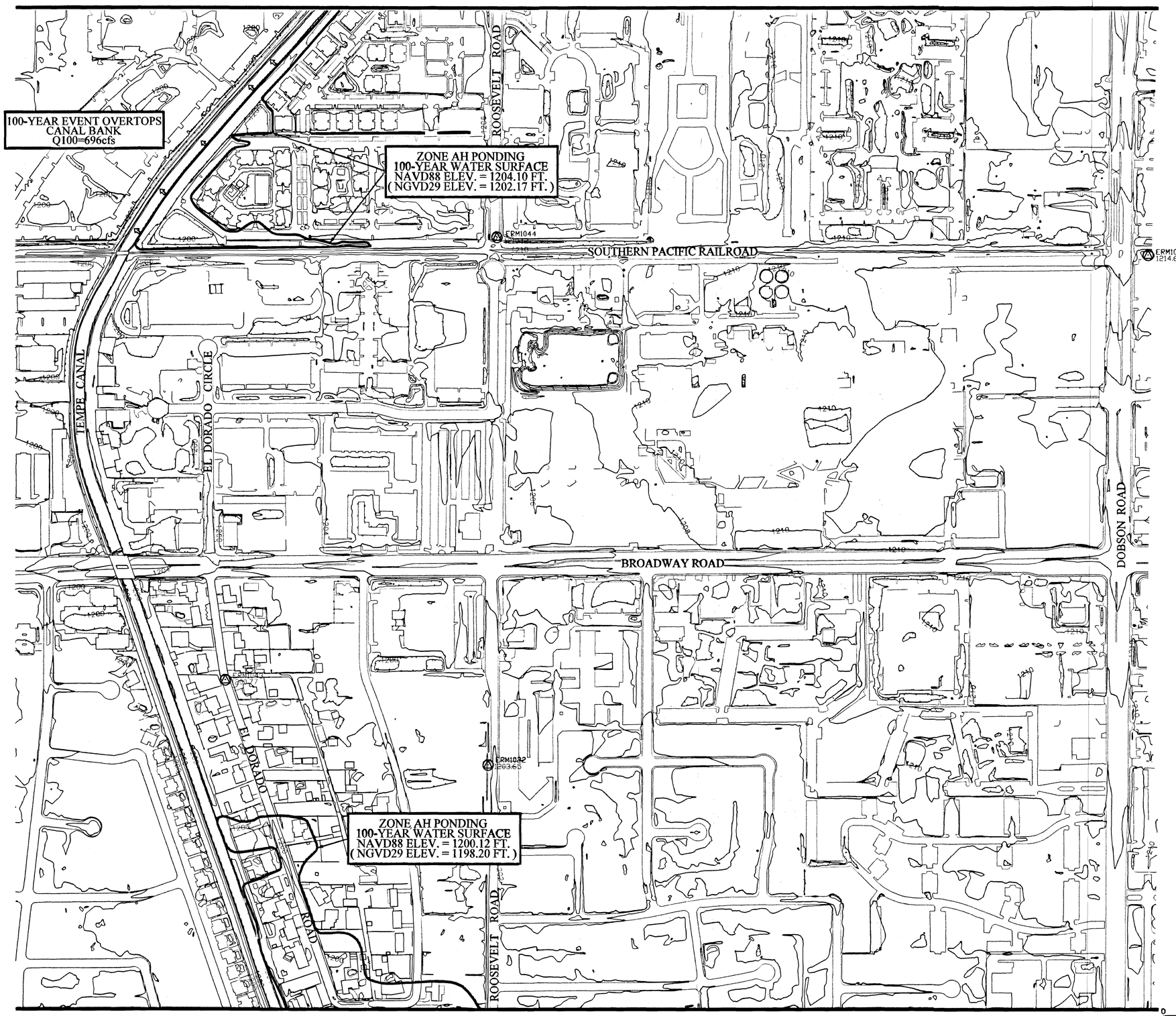
SHEET 2 OF 8

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 02



MATCH LINE SHEET 04

0 100 200 400
SCALE: 1"=200'

LEGEND

100-YEAR FLOODPLAIN BOUNDARY

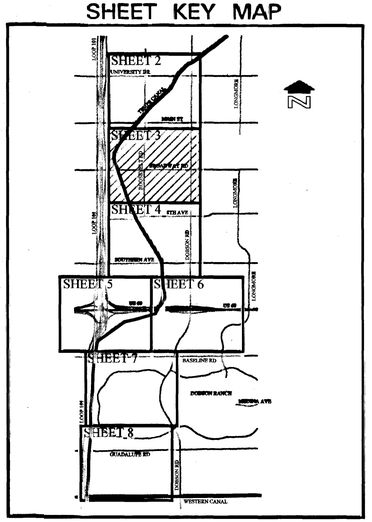
ELEVATION REFERENCE MARKS — ERM1028 1214.03

POTENTIAL FLOW LEAVING FLOODPLAIN

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. FOR NORTH OF BROADWAY ROAD, NGVD29 ELEVATION = NAVD88 ELEVATION - 1.93 FEET; FOR SOUTH OF BROADWAY ROAD, NGVD29 ELEVATION = NAVD88 ELEVATION - 1.92 FEET.

SHEET KEY MAP



NO.	REVISION	BY	DATE
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

TEMPE CANAL

FLOODPLAIN DELINEATION STUDY

F.C.D. CONTRACT NO. 2002-22

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 19590 PAUL W.R. HOSKIN ARIZONA, U.S.A.

	BY	DATE
DESIGN	K. VAN METER	10-26-2006
DESIGN CHK.	P. W. R. HOSKIN	10-26-2006
PLANS	K. VAN METER	10-26-2006
PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

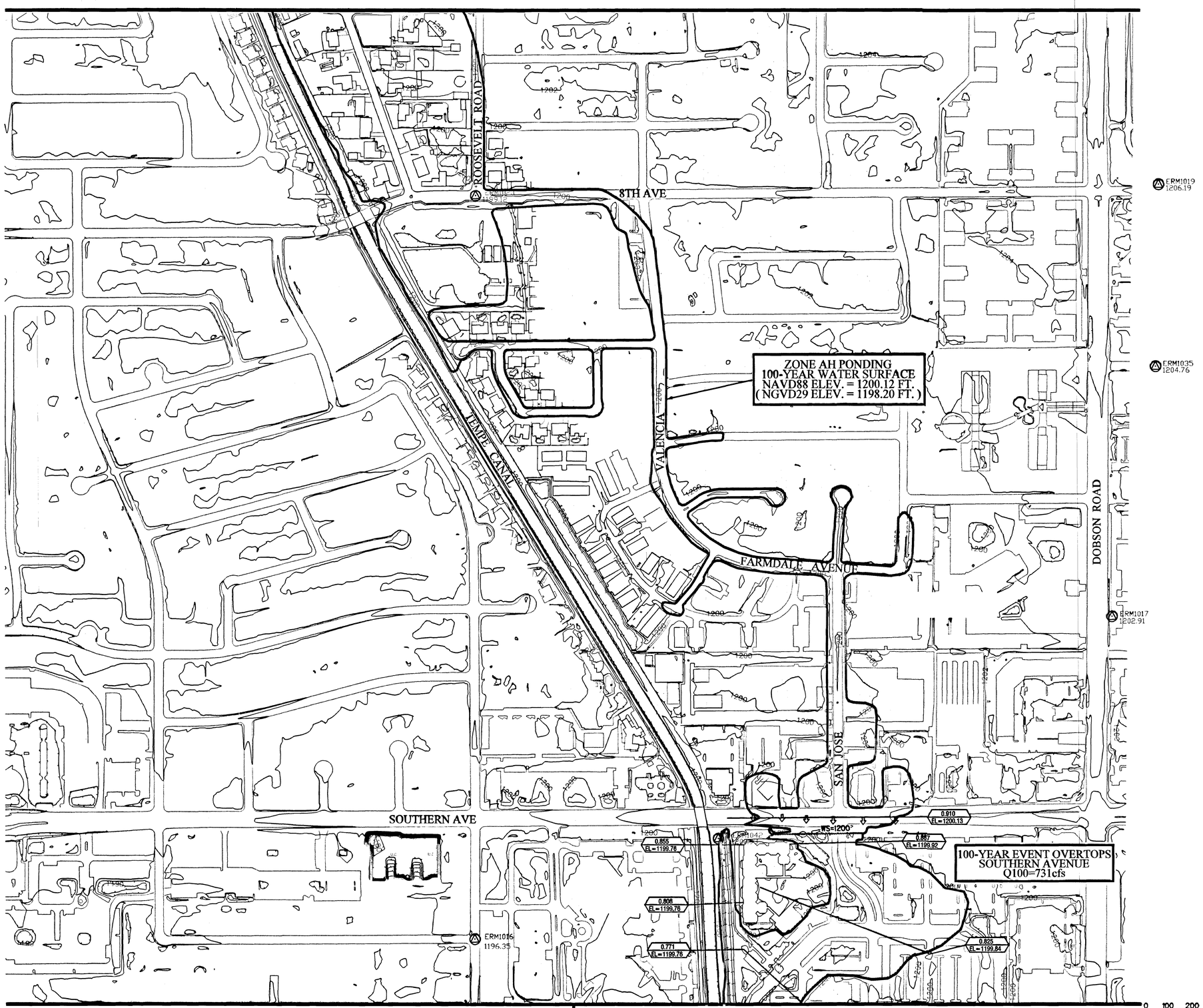
SHEET 3 OF 8

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 03



MATCH LINE SHEET 05

MATCH LINE SHEET 06

LEGEND

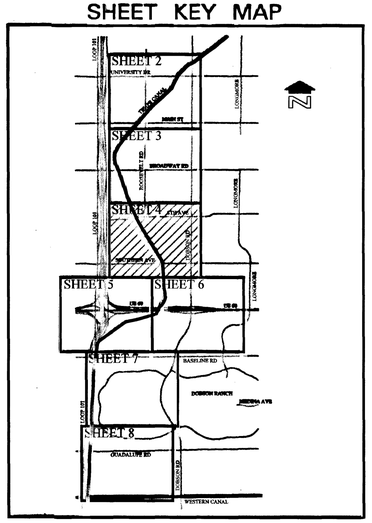
100-YEAR FLOODPLAIN BOUNDARY	
ELEVATION REFERENCE MARKS	ERM1028 1214.03
POTENTIAL FLOW LEAVING FLOODPLAIN	
HEC-RAS CROSS-SECTION	0.845 EL=1342.05
BASE FLOOD ELEVATION	WS=1200

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. FOR NORTH OF SOUTHERN AVENUE, NGVD29 ELEVATION = NAVD88 ELEVATION - 1.92 FEET; FOR SOUTH OF SOUTHERN AVENUE, NGVD29 ELEVATION = NAVD88 ELEVATION - 1.90 FEET.

SHEET KEY MAP



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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

TEMPE CANAL

FLOODPLAIN DELINEATION STUDY

F.C.D. CONTRACT NO. 2002-22

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 19630 PAUL W.R. HOSKIN Date Signed 10-26-06 ARIZONA, U.S.A.

	BY	DATE
DESIGN	K. VAN METER	10-26-2006
DESIGN CHK.	P. W. R. HOSKIN	10-26-2006
PLANS	K. VAN METER	10-26-2006
PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

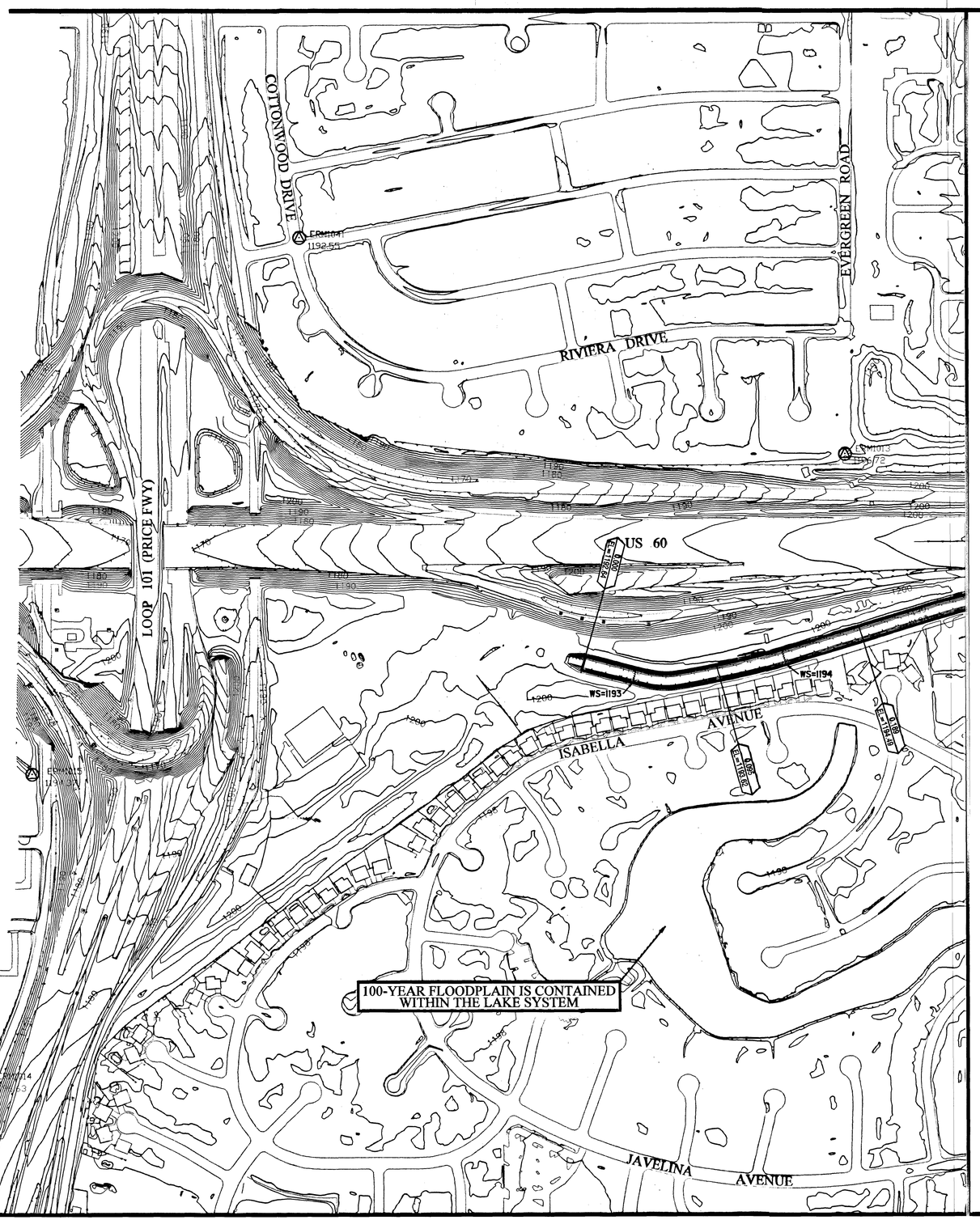
SHEET 4 OF 8

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 04



MATCH LINE SHEET 06

MATCH LINE SHEET 07

0 100 200 400
SCALE: 1"=200'

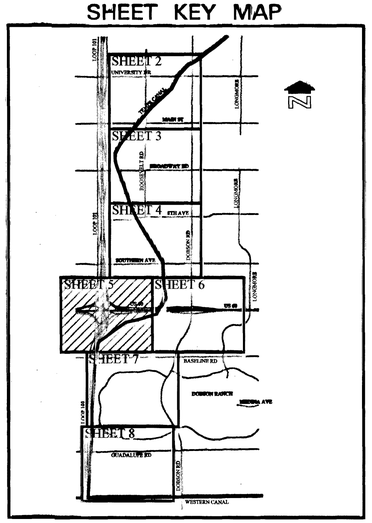
LEGEND

100-YEAR FLOODPLAIN BOUNDARY	
ELEVATION REFERENCE MARKS	ERM1028 1214.03
POTENTIAL FLOW LEAVING FLOODPLAIN	
HEC-RAS CROSS-SECTION	0.845 EL=1342.05
BASE FLOOD ELEVATION	WS=1200

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. NGVD29 ELEVATION = NAVD88 ELEVATION - 1.90 FEET.

SHEET KEY MAP



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FLOODPLAIN DELINEATION STUDY

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REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 19690 PAUL W.R. HOSKIN Date Signed 10-26-06 ARIZONA U.S.A.

	BY	DATE
DESIGN	K. VAN METER	10-26-2006
DESIGN CHK.	P. W. R. HOSKIN	10-26-2006
PLANS	K. VAN METER	10-26-2006
PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

SHEET 5 OF 8

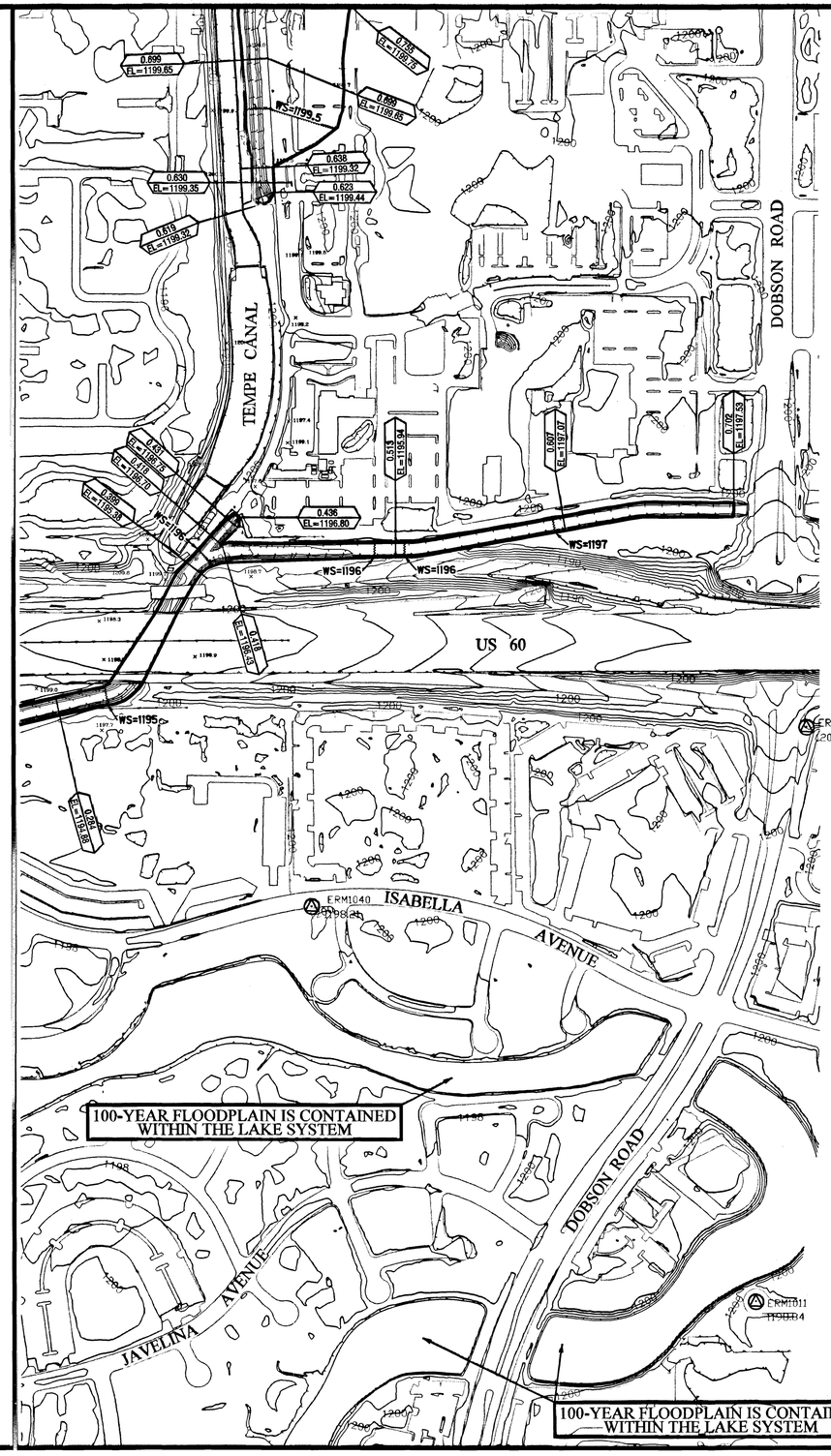
THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 04

MATCH LINE SHEET 05



MATCH LINE SHEET 07

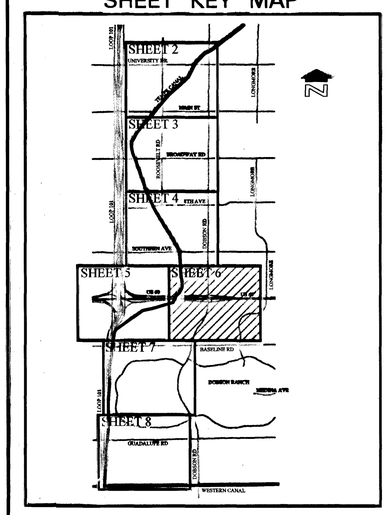
LEGEND

100-YEAR FLOODPLAIN BOUNDARY	
ELEVATION REFERENCE MARKS	ERM1028 1214.03
POTENTIAL FLOW LEAVING FLOODPLAIN	
HEC-RAS CROSS-SECTION	0.845 EL=1342.05
BASE FLOOD ELEVATION	WS=1200

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. NGVD29 ELEVATION = NAVD88 ELEVATION - 1.90 FEET.

SHEET KEY MAP



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TEMPE CANAL

FLOODPLAIN DELINEATION STUDY

F.C.D. CONTRACT NO. 2002-22

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 9680 PAUL W. R. HOSKIN ARIZONA U.S.A.

	BY	DATE
DESIGN	K. VAN METER	10-26-2006
DESIGN CHK.	P. W. R. HOSKIN	10-26-2006
PLANS	K. VAN METER	10-26-2006
PLANS CHK.	P. W. R. HOSKIN	10-26-2006

100-YEAR FLOODPLAIN

SHEET 6 OF 8

0 100 200 400
SCALE: 1"=200'

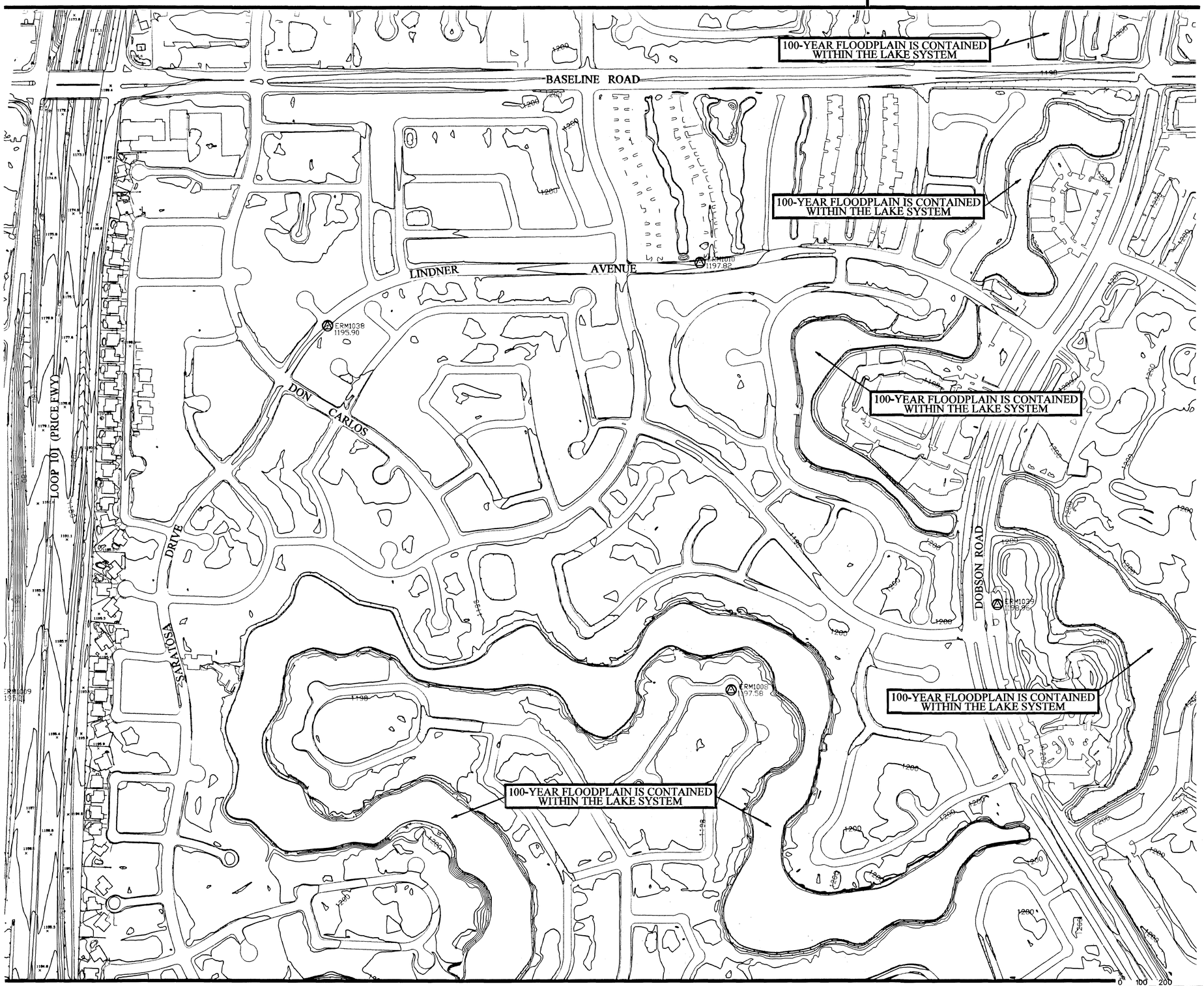
THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 05

MATCH LINE SHEET 06



MATCH LINE SHEET 08

SCALE: 1"=200'

LEGEND

100-YEAR FLOODPLAIN BOUNDARY

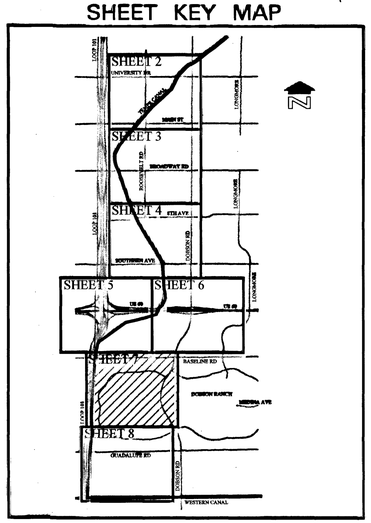
ELEVATION REFERENCE MARKS — ERM1028 1214.03

POTENTIAL FLOW LEAVING FLOODPLAIN

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. NGVD29 ELEVATION = NAVD88 ELEVATION - 1.89 FEET.

SHEET KEY MAP



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PLANS CHK.	P. W. R. HOSKIN	10-26-2006

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 3690 PAUL W.R. HOSKIN ARIZONA U.S.A.

100-YEAR FLOODPLAIN

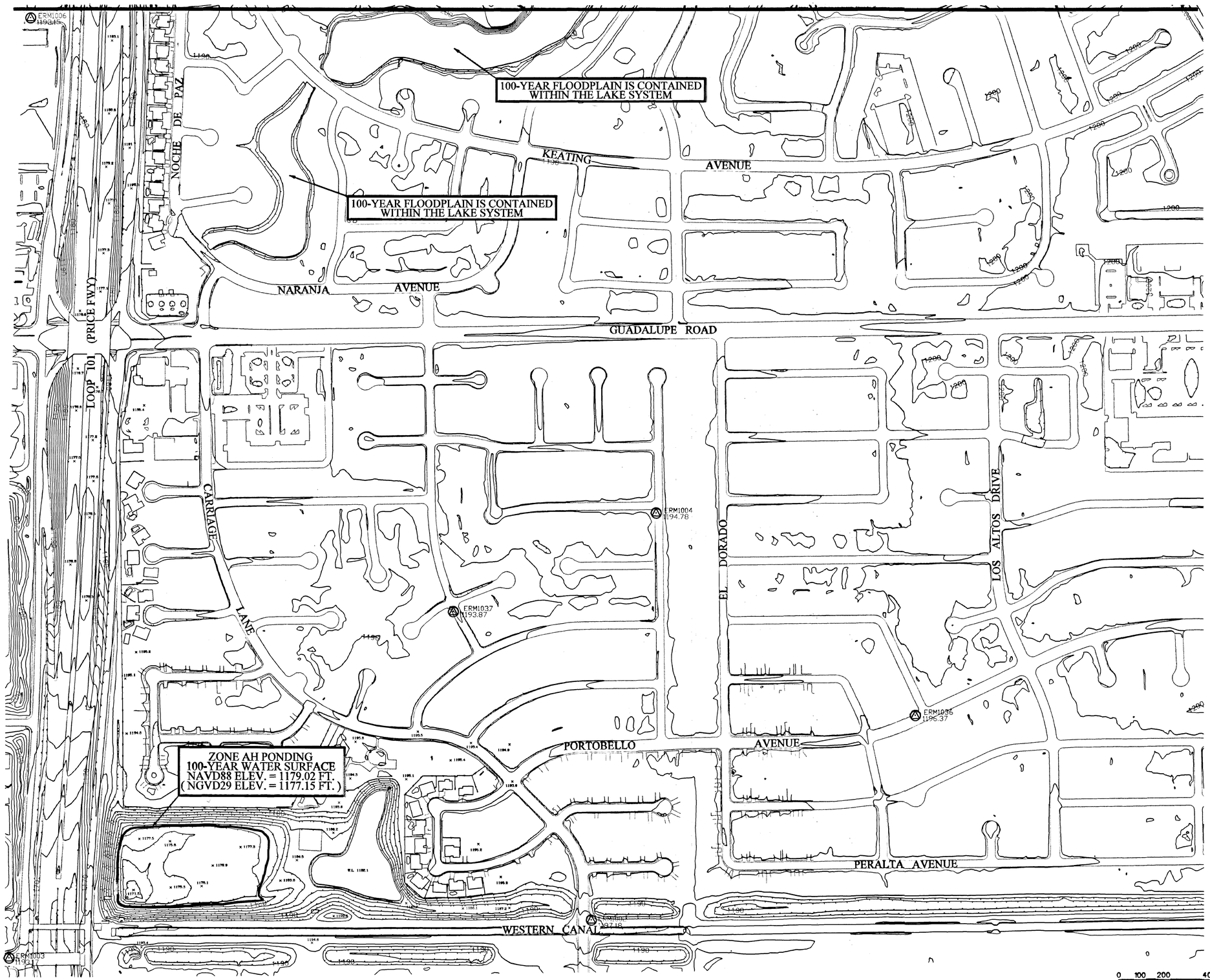
SHEET 7 OF 8

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"=100' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.

MATCH LINE SHEET 07



LEGEND

100-YEAR FLOODPLAIN BOUNDARY

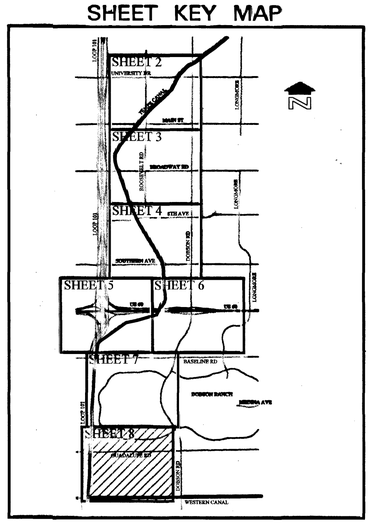
ELEVATION REFERENCE MARKS — ERM1028 1214.03

POTENTIAL FLOW LEAVING FLOODPLAIN

NOTES

1. THIS STUDY USES THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. NGVD29 ELEVATION = NAVD88 ELEVATION - 1.87 FEET.

SHEET KEY MAP



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REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 19880 PAUL W.R. HOSKIN ARIZONA, U.S.A.

100-YEAR FLOODPLAIN

SHEET 8 OF 8

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AERIAL MAPPING BY: COOPER AERIAL SURVEYS CO.
DATE FLOWN: MARCH 10, 2003

GROUND CONTROL SURVEY DATA PROVIDED BY HOSKIN-RYAN CONSULTANTS INC.