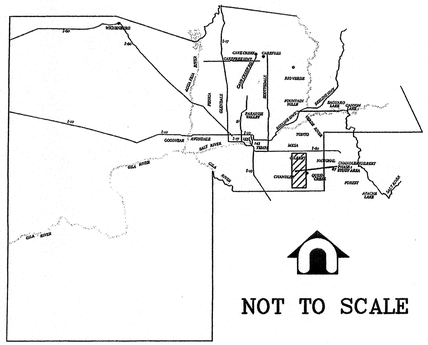
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
CHANDLER / GILBERT
FLOOD DELINEATION STUDY
PHASE 1, EASTERN CANAL WATERSHED

F.C.D. CONTRACT NO. 2002C023



NOT TO SCALE

LOCATION MAP

DATUM INFORMATION

VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83 (1992.0 EPOCH)
COORDINATE SYSTEM: ARIZONA COORDINATE SYSTEM, 1983, CENTRAL ZONE
UNIT OF MEASUREMENT: INTERNATIONAL FEET

STATEMENT BY PROFESSIONAL REGISTRANTS

THE PHOTOGRAMMETRIC MAPPING CONTROL SURVEY WAS PREPARED UNDER MY DIRECT SUPERVISION:

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
14959
THOMAS J. LUTE
Date Signed
ARIZONA U.S.A.

CERTIFICATION

THE FOLLOWING MAP REPRESENTS A PHOTOGRAMMETRIC SURVEY MADE BY ME OR UNDER MY DIRECTION IN THE COUNTY OF MARICOPA, STATE OF ARIZONA. I, JAIME A. SATALICH, A STATE OF ARIZONA REGISTERED LAND SURVEYOR (NO. 35326, EXPIRES 9/30/2009), WITH MY SIGNATURE AND SEAL AFFIXED BELOW, HEREBY CERTIFY TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA, THAT THE INFORMATION SHOWN HEREON COMPLIES WITH THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY. COMPILED ±1.0' HORIZONTAL ACCURACY AT THE 95% CONFIDENCE LEVEL. COMPILED ±1.25' VERTICAL ACCURACY AT THE 95% CONFIDENCE LEVEL.

"CERTIFICATION" WHEN USED IN THE CONTEXT OF THIS DOCUMENT ONLY CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE CERTIFICATION, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED. NO NEW PROPERTY LINES OR PARCELS WERE CREATED AS A RESULT OF THIS SURVEY.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
35326
JAIME A. SATALICH
Date Signed 12-12-07
ARIZONA U.S.A.

THE FOLLOWING STATEMENTS APPLY TO THE INDIVIDUAL SEALS AFFIXED TO THE MAPS FOLLOWING THIS COVER SHEET.

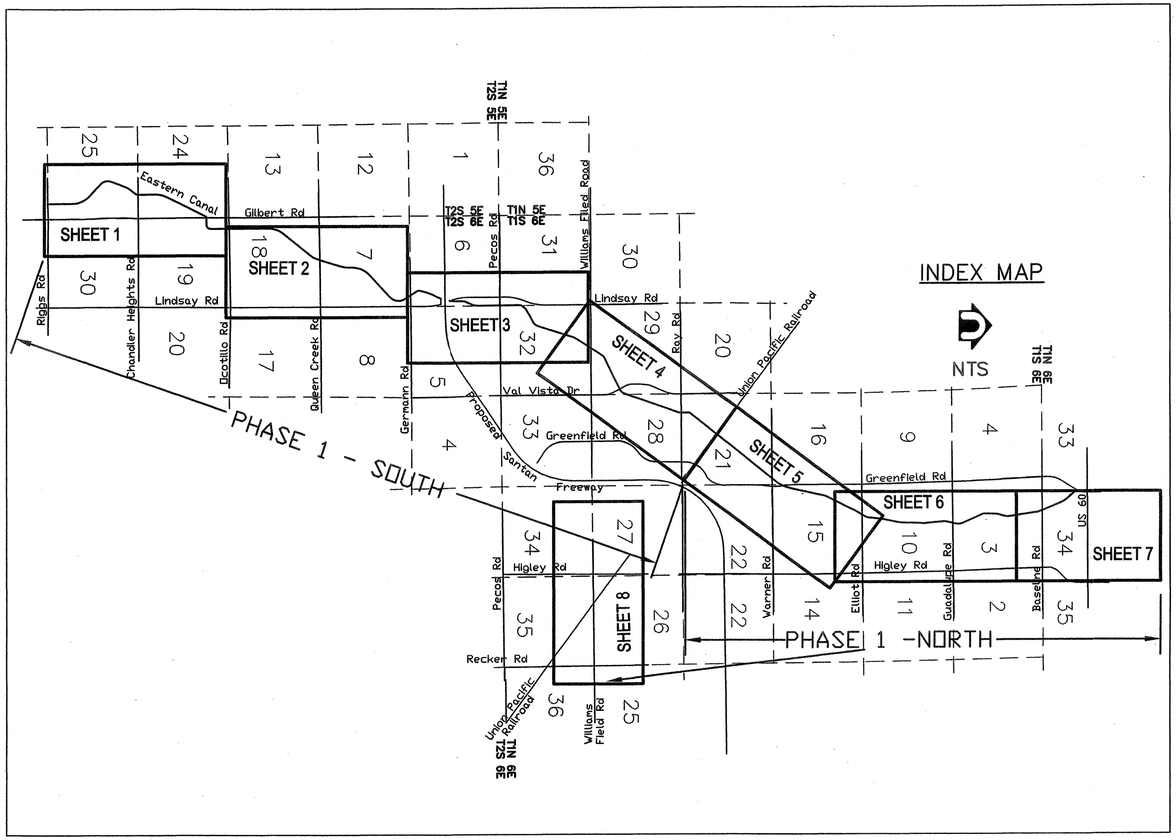
THE FLOODPLAIN DELINEATION FOR PHASE 1–SOUTH WAS PREPARED UNDER MY DIRECT SUPERVISION:

DRAWER 314

Registered Professional Engineer (Civil)
CERTIFICATE NO.
23969
FRANK EDWARD BROWN
Date Signed 12 Dec 2007
ARIZONA, U.S.A.

THE FLOODPLAIN DELINEATION FOR PHASE 1–NORTH WAS PREPARED UNDER MY DIRECT SUPERVISION:

Registered Professional Engineer (Civil)
CERTIFICATE NO.
25972
MICHAEL D. HEATON
Date Signed 12-12-07
ARIZONA U.S.A.



INDEX MAP

NTS

SHEET INDEX

NOT TO SCALE

LEGEND

SECTION LINES — — — — — —

SECTION NUMBER 25

PHOTOGRAMMETRIC MAPPING

STEWART GEO TECHNOLOGIES, INC.
5730 NW PARKWAY, SUITE 500.
SAN ANTONIO, TEXAS 78249 (210) 777–2600
DATE OF PHOTOGRAPHY: 4/12/03
CONTOUR INTERVAL: 2 FEET
MAPPING SCALE: 1"=400'

PHOTOGRAMMETRIC MAPPING CONTROL

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVENUE, STE 200
PHOENIX, AZ 85016 (602) 678–5151

ADDITIONAL SURVEY

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016 (602) 678–5151

HYDROLOGY

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016 (602) 678–5151

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, #4
PHOENIX, AZ 85021 (602) 906–1901

HYDRAULICS

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016 (602) 678–5151

PROJECT ENGINEERING CONSULTANTS, LTD.
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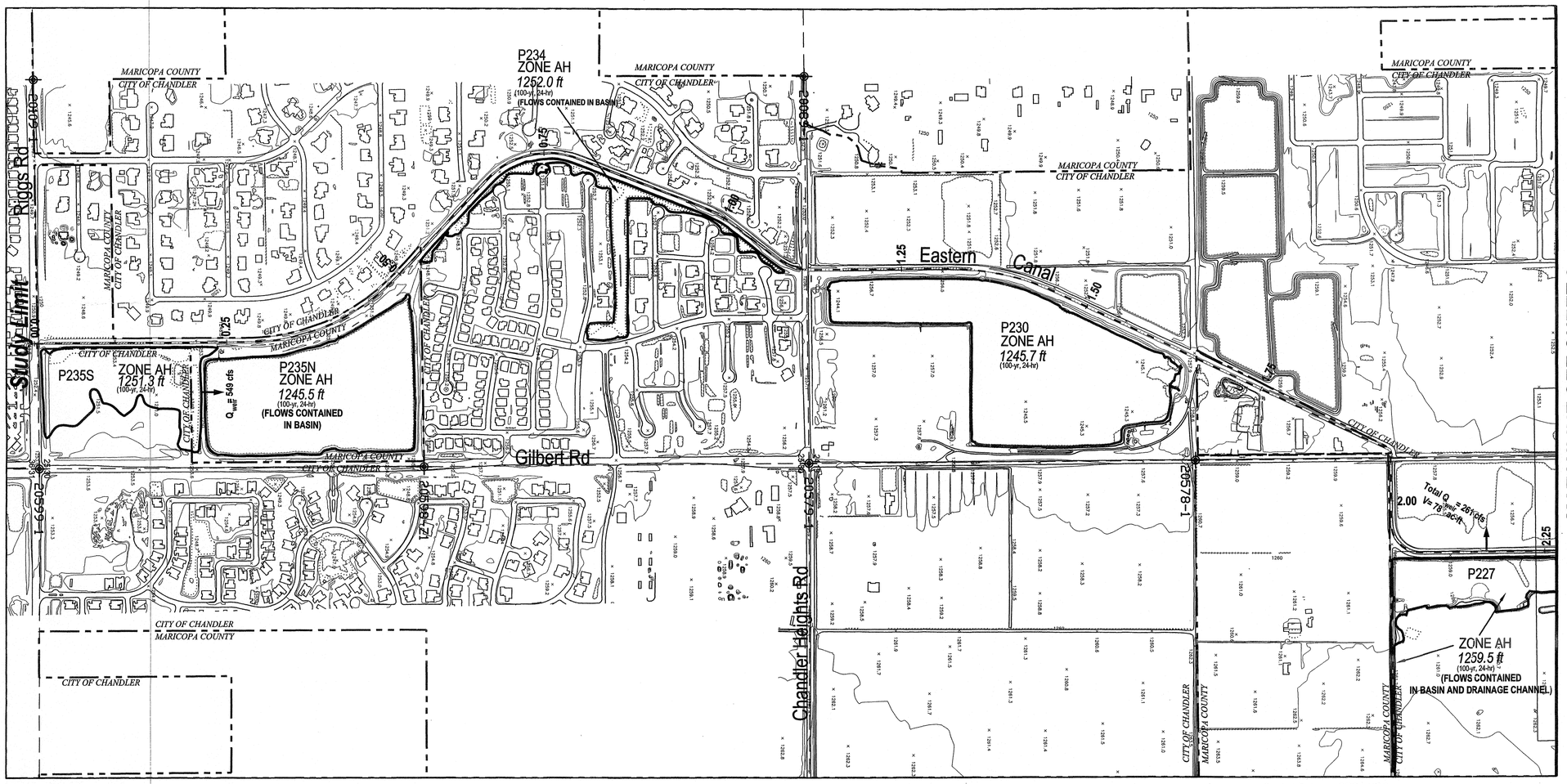
PHOENIX, AZ 85021 (602) 906–1901

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016

	BY	DATE	
DESIGN	TJN	4/05	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	TSG	4/05	
PLANS	LFSI / FEB	10/07	RECOMMENDED BY: DATE
PLANS CHK.	FEB	10/07	APPROVED BY: DATE
SUBMITTED BY: DATE:			CHIEF ENGINEER AND GENERAL MANAGER
			SHEET 1 OF 1

Chandler/Gilbert FDS, Phase 1, Eastern Canal Watershed
David Evans & Assoc. for FCDMC
FCD 2002C023 Drawer 314

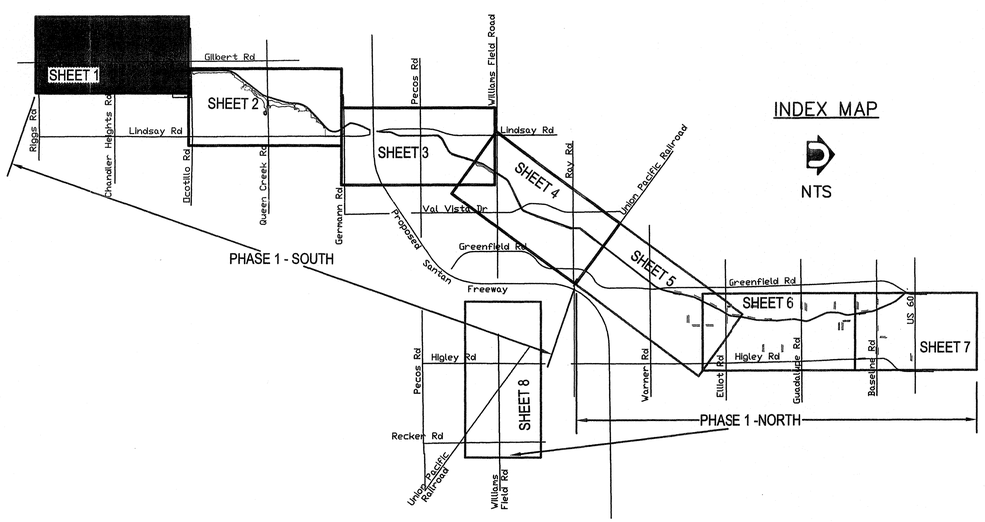


EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.63'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



INDEX MAP
NTS

NOTES:
1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
2. P227 Conversion Factor: NGVD29=NAVD88-1.13'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.
P219 Conversion Factor: NGVD29=NAVD88-2.36'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 HYDRAULIC BASE LINE WITH RIVER MILE
- CROSS SECTION
- x 1252.7 SPOT ELEVATION
- 1260 BASE FLOOD ELEVATIONS
- ZONE AE ZONE DESIGNATIONS
- 20562-1M ERM LOCATION
- 26 25 / 35 36 SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
20109-1	807277.77	736312.79	1247.20	FD 3" CHANDLER BC IN HH 0.45' DN NO STAMPING NOTE- FND +/- 10 FT. NORTH OF NORTH E/P
20599-1	807315.72	738952.94	1253.21	FD 3" CHANDLER BC IN HH 0.4' DN NO STAMPING NOTE- NO C/L PUNCH
20598-Z1	809958	738935.26	1256.24	SET 4 FT SS ROD W/ 3" MARICOPA COUNTY BC STAMPED "T2SR5E S25 R6E S30 2001 RLS 15573" NOTE- FL
20089-1	812565.69	736283.05	1250.48	FD 3" MCDOT BC IN HH 0.3' DN NO STAMPING NOTE- FND ON CL CHANDLER HGHTS
20579-1	812599.01	738911.18	1258.80	FD 3" MCDOT BC IN HH 0.4' DN NO STAMPING NOTE- NO DATE
20578-1	815248.61	738898.14	1259.00	FD 1 1/2" AGENCY UNREADABLE AL CAP FL NOTE- PIECE OF CAP BROKEN OFF. LOCATE MEANED C/L OF CAP.

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 13 Dec 2007 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

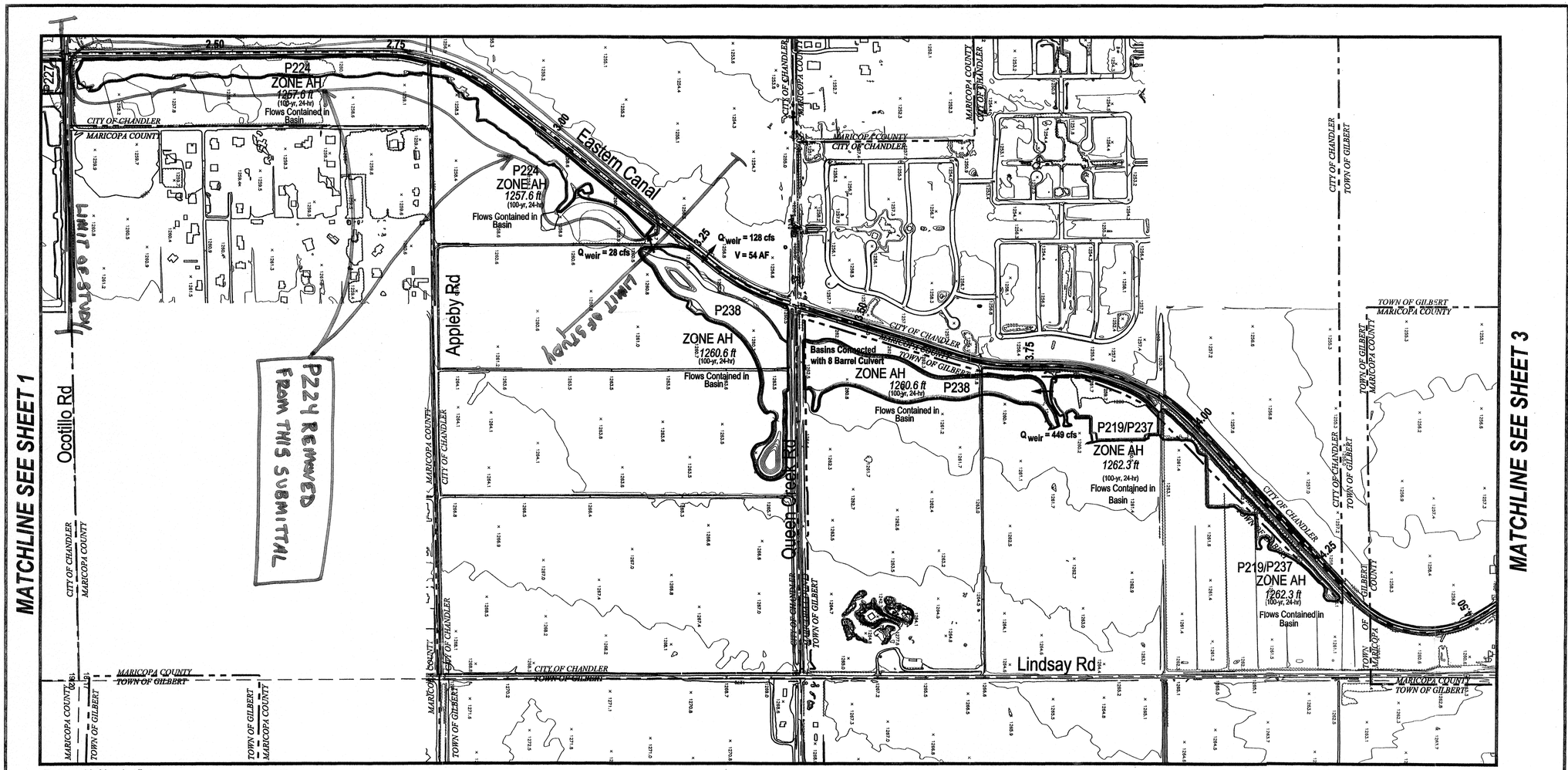
	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 1 OF 8

P:\Mar0000-0040\MAR00040-SE\dwgSheets\MAR0040-SEfyWm01.dwg

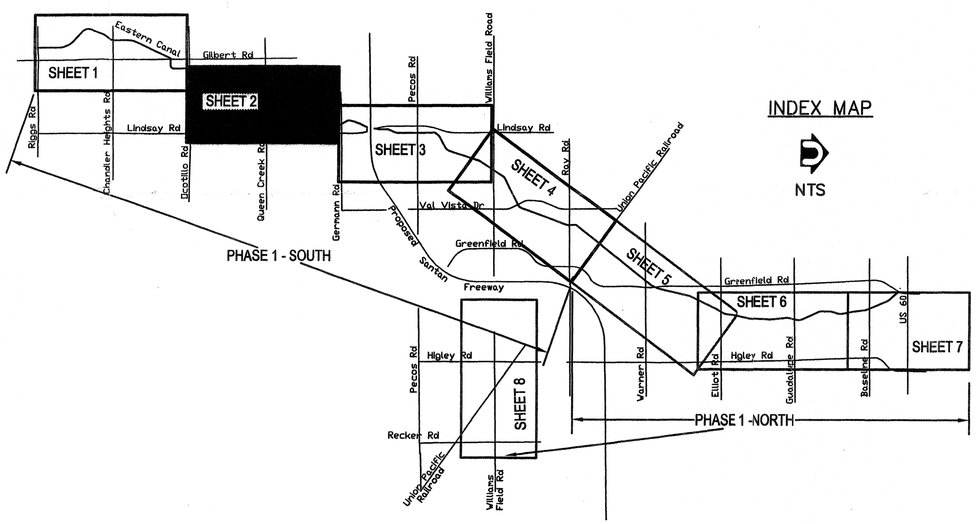


EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.66'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



NOTES:

1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
2. P227 Conversion Factor: NGVD29=NAVD88-1.13'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.
   P219 Conversion Factor: NGVD29=NAVD88-2.36'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 HYDRAULIC BASE LINE WITH RIVER MILE
- 7,692 Q = 146 cfs FP = 1268.9 ft CROSS SECTION
- x 1252.7 SPOT ELEVATION
- 1260 BASE FLOOD ELEVATIONS
- ZONE AE ZONE DESIGNATIONS
- 20562-1M ERM LOCATION
- 26 25 / 35 36 SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
20561-1M	817951.54	741372.4	1263.32	FD 3/8" RB WITH NO ID FL NOTE- FND AT INTERSEC OF OCOTILLO AND 140TH ST. REFURBISHED WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S18 S19 2001 RLS 15573"
20562-1M	818011.07	744030.65	1271.55	FD 1/2" RB WITH NO ID FL NOTE- FND IN POTHOLE MIDDLE PAVED ROAD . REFURBISHED RB WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S R6E S17 S18 S19 S20 2001 RLS 15573"
20558-1M	820643.84	744024.41	1272.12	FD 3/4" RB WITH NO ID FL NOTE- FND IN POTHOLE IN MIDDLE OF PAVED ROAD. REFURBISHED RB WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S17 S18 2001 RLS 15573 " NOTE- DH
20541-1	823234.3	741359.82	1260.83	FD 1" IP IN HH 0.45' DN W/ NO ID NOTE- FND IN CL QC ROAD
20542-1	823276.65	744018.19	1269.03	FD 3" MCDOT BC IN HH 0.3' DN NO STAMPING NOTE- FND IN HH MIDDLE PAVED ROADS NO DATE
20538-1M	825921.98	744002.5	1265.91	FD 1" IP FL WITH NO ID NOTE- FND IN CL OF LINDSEY ROAD. REFURBISHED WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S8 S7 2001 RLS 15573" NOTE- DN 0.2

DATE	REVISION

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 03-12-2004 ARIZONA, U.S.A.

FEMA submittal workmap

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 8

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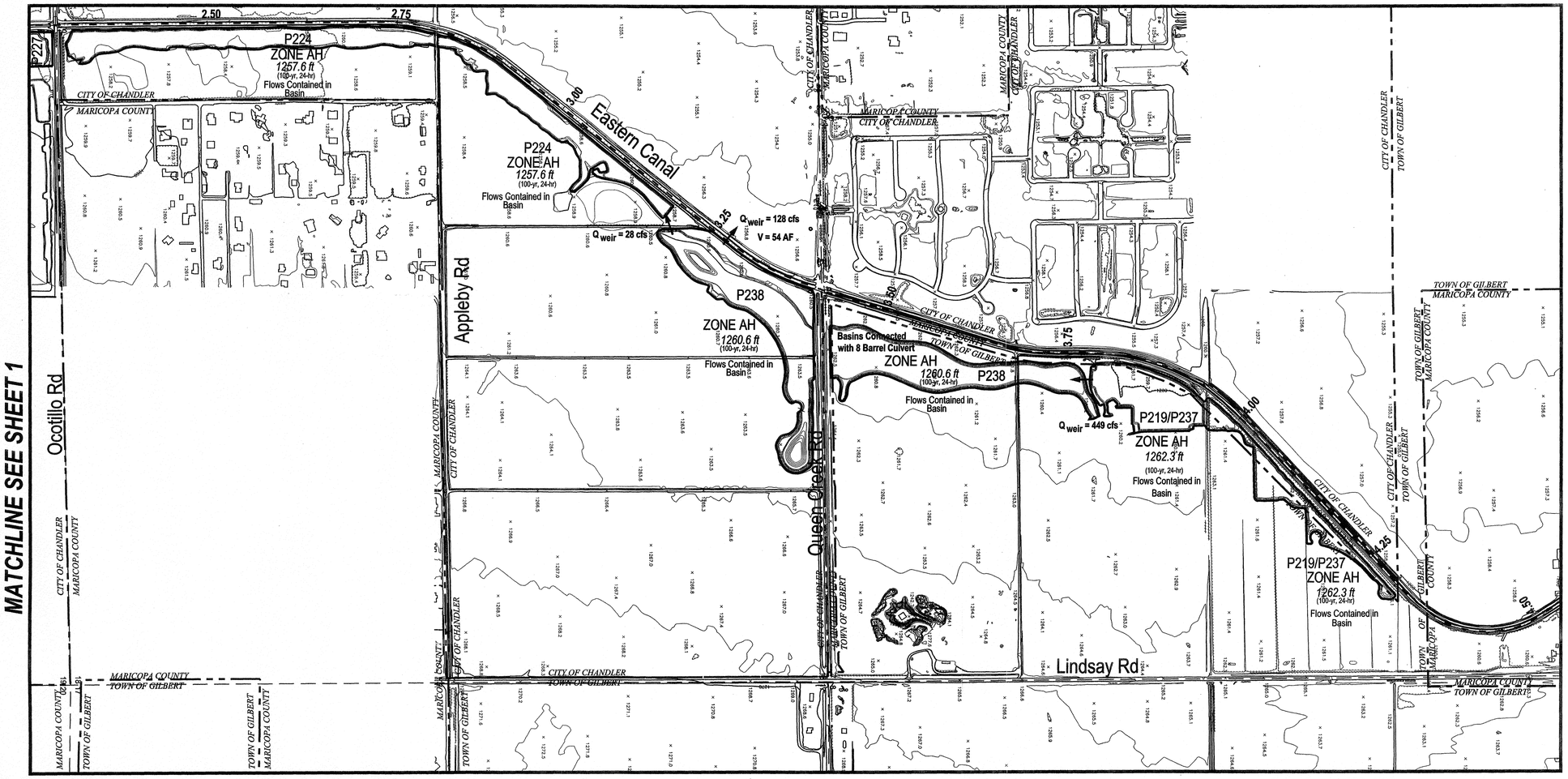
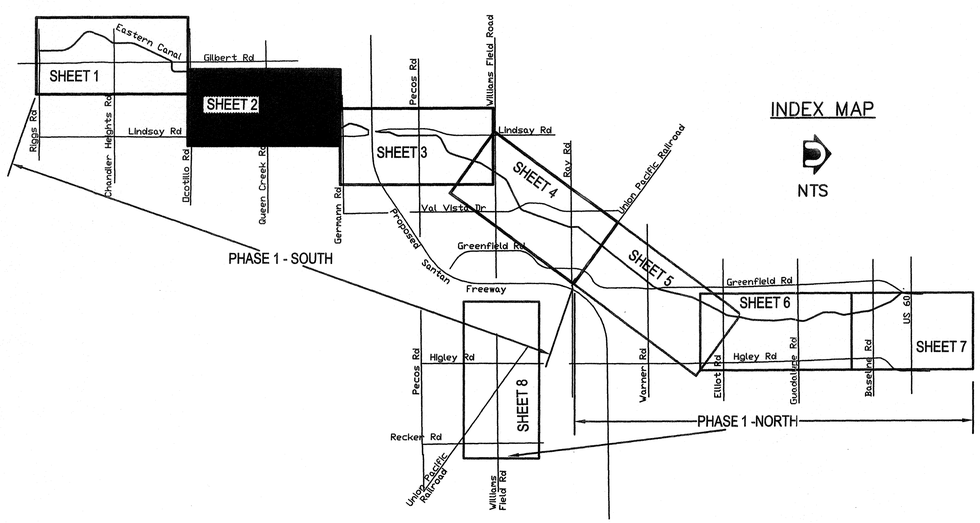


Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

EASTERN CANAL



Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.66'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.

NOTES:

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 HYDRAULIC BASE LINE WITH RIVER MILE
- 7.892 Q = 146 cfs FP = 1268.9 ft CROSS SECTION
- x 1252.7 SPOT ELEVATION
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- CITY OF CHANDLER / MARICOPA COUNTY JURISDICTIONAL BOUNDARY

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2 ft contour interval

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20538-1M	825921.98	744002.5	1265.91	FD 1" IP FL WITH NO ID NOTE- FND IN CL OF LINDSEY ROAD. REFURBISHED WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S8 S7 2001 RLS 15573' NOTE- DN 0.2

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 12-12-06 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 8

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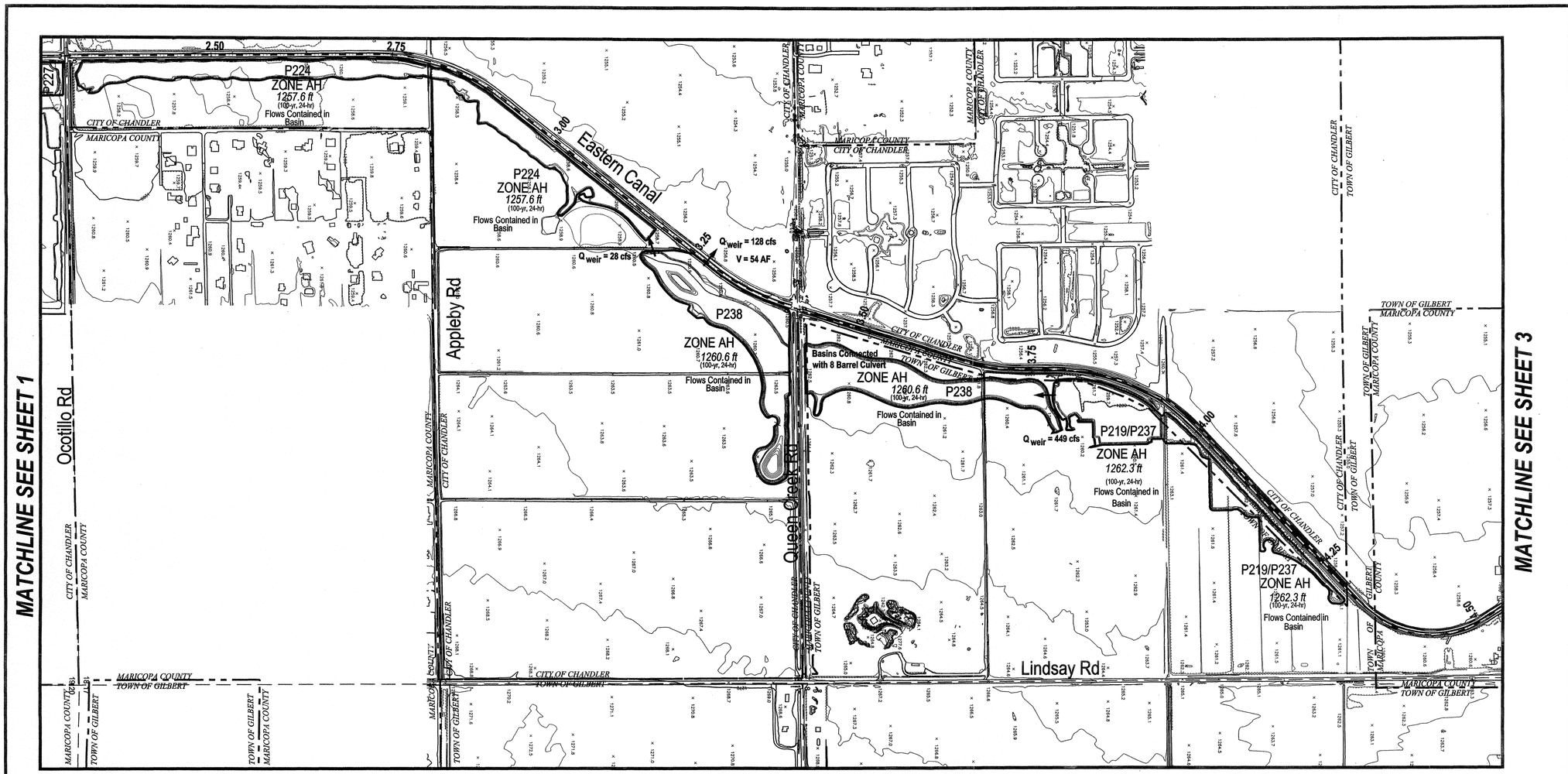

EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
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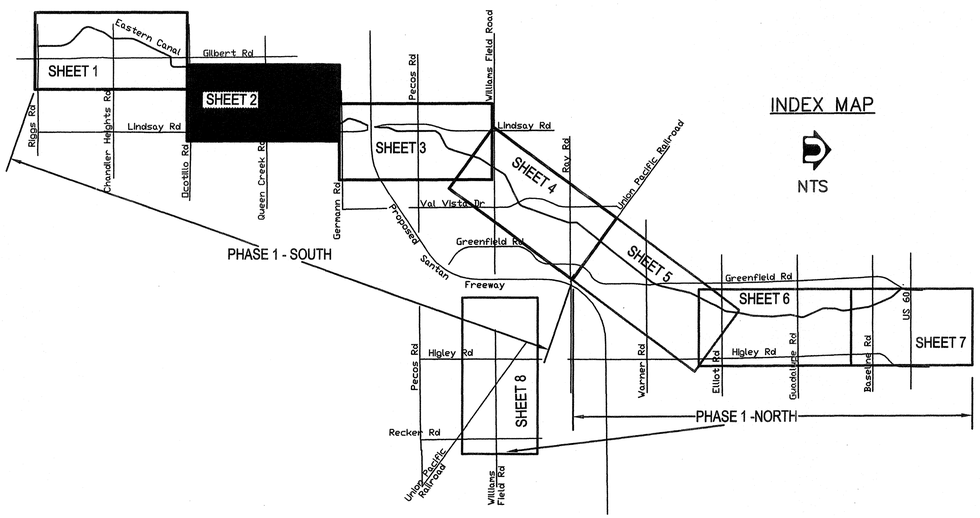

NOTES:

1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 — HYDRAULIC BASE LINE WITH RIVER MILE
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DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 9-12-06 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 8

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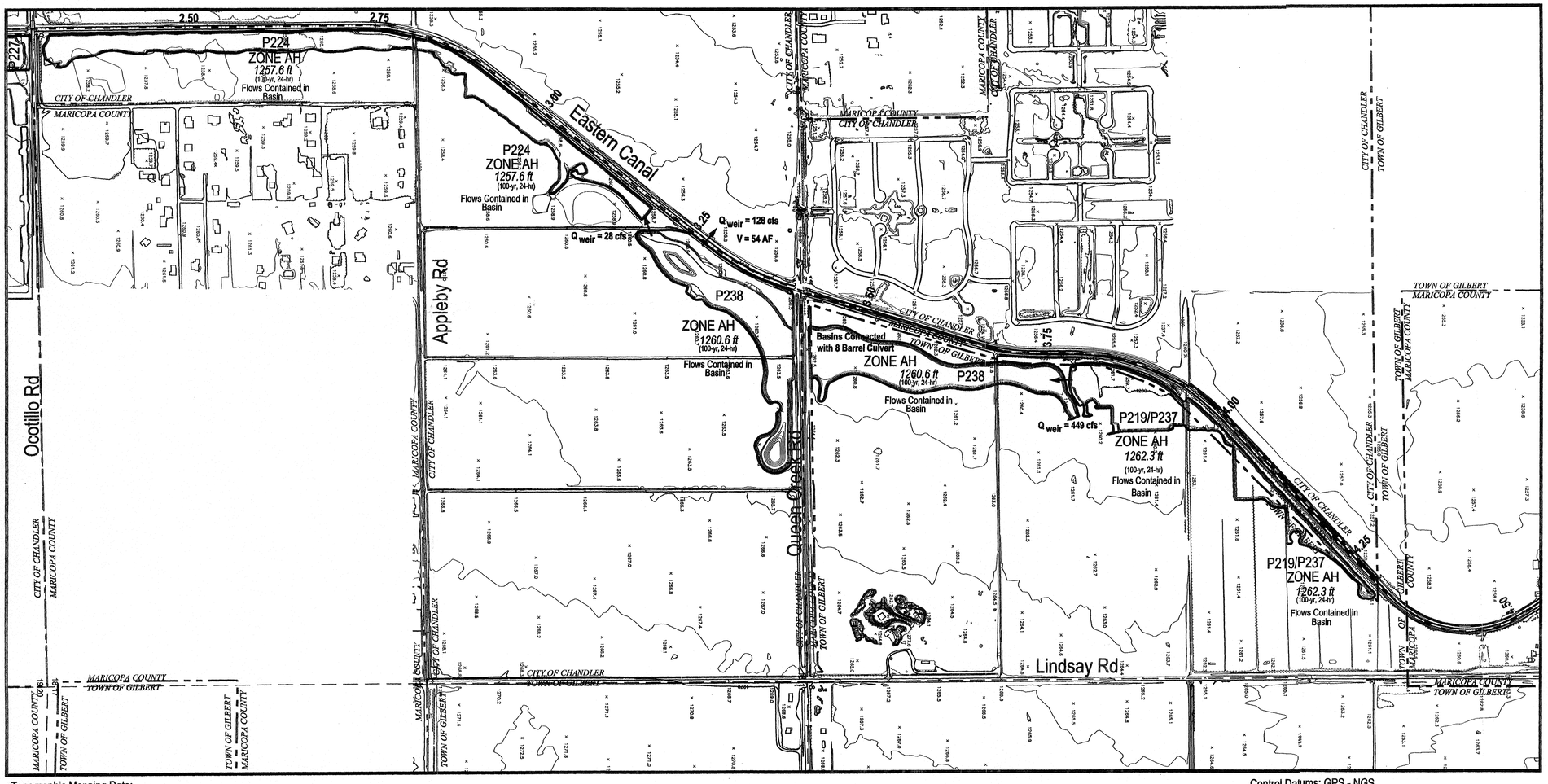
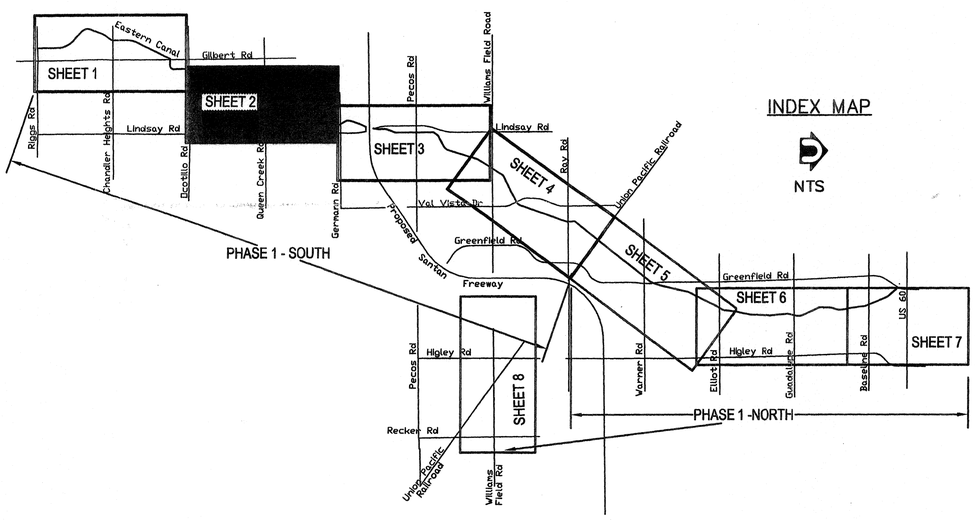


EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.66'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



NOTES:

1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
2. P227 Conversion Factor: NGVD29=NAVD88-1.13'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.
   P219 Conversion Factor: NGVD29=NAVD88-2.36'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 — HYDRAULIC BASE LINE WITH RIVER MILE
- 7,882 Q = 146 cfs FP = 1268.9 ft — CROSS SECTION
- x 1252.7 — SPOT ELEVATION
- 1260 — BASE FLOOD ELEVATIONS
- ZONE AE — ZONE DESIGNATIONS
- 20562-1M — ERM LOCATION
- 26 25 / 35 36 — SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY — JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
20561-1M	817951.54	741372.4	1263.32	FD 3/8" RB WITH NO ID FL NOTE- FND AT INTERSEC OF OCOTILLO AND 140TH ST. REFURBISHED WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S18 S19 2001 RLS 15573"
20562-1M	818011.07	744030.65	1271.55	FD 1/2" RB WITH NO ID FL NOTE- FND IN POTHOLE MIDDLE PAVED ROAD. REFURBISHED RB WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S R6E S17 S18 S19 S20 2001 RLS 15573"
20558-1M	820643.84	744024.41	1272.12	FD 3/4" RB WITH NO ID FL NOTE- FND IN POTHOLE IN MIDDLE OF PAVED ROAD. REFURBISHED RB WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S17 S18 2001 RLS 15573 " NOTE- DH
20541-1	823234.3	741359.82	1260.83	FD 1" IP IN HH 0.45' DN W/ NO ID NOTE- FND IN CL QC ROAD
20542-1	823276.65	744018.19	1269.03	FD 3" MCDOT BC IN HH 0.3' DN NO STAMPING NOTE- FND IN HH MIDDLE PAVED ROADS NO DATE
20538-1M	825921.98	744002.5	1265.91	FD 1" IP FL WITH NO ID NOTE- FND IN CL OF LINDSEY ROAD. REFURBISHED WITH 2" MARICOPA COUNTY AL CAP STAMPED "T2S-R6E 1/4 S8 S7 2001 RLS 15573" NOTE- DN 0.2

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 12-Dec-2007 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

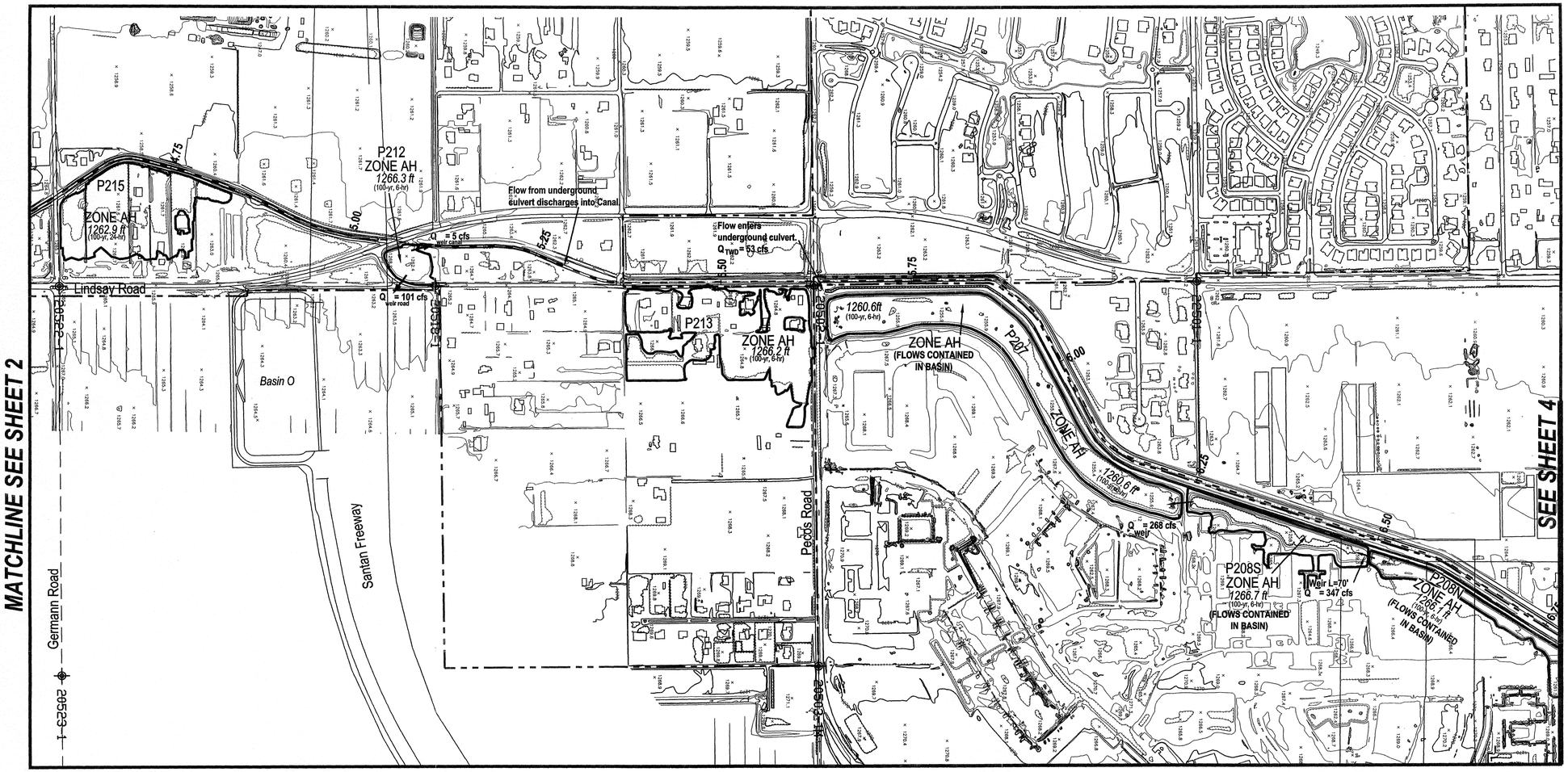
RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 8

P:\Mar\0000-0040\MAR0040-SE\dwg\Sheets\MAR0040-SEfdwgWin02.dwg

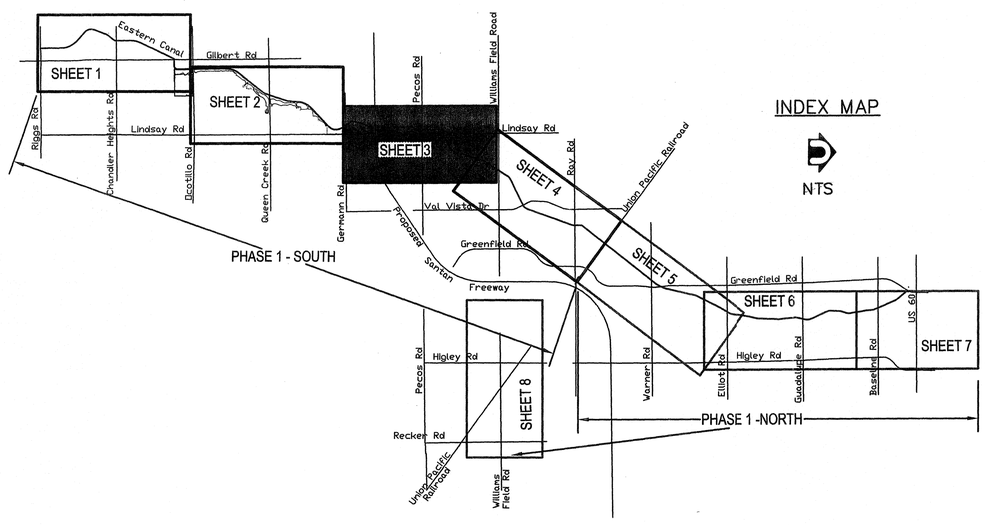


EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.68'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



INDEX MAP

NTS

NOTES:

1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
2. P227 Conversion Factor: NGVD29=NAVD88-1.13'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

   P219 Conversion Factor: NGVD29=NAVD88-2.36'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

	100-YR FLOODPLAIN BOUNDARY
2.00	HYDRAULIC BASE LINE WITH RIVER MILE
7.892 Q = 146 cfs FP = 1268.9 ft	CROSS SECTION
x 1252.7	SPOT ELEVATION
1260	BASE FLOOD ELEVATIONS
ZONE AE	ZONE DESIGNATIONS
20562-1M	ERM LOCATION
26 25 / 35 36	SECTION LINES AND SECTION LABELS
CITY OF CHANDLER / MARICOPA COUNTY	JURISDICTIONAL BOUNDARY

0 200' 400' 800'

SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
20522-1	828566.88	743987.09	1264.53	FD 3" MC ENG DEPT BC IN HH 1' DN STAMPED "EL=1284.28" NOTE- FND IN HANDHOLE MIDDLE OF PAVED INTERSEC W/ STRADDLES
20523-1	828585.18	746664.93	1273.96	FD 4" MC ENG DEPT BC IN HH 0.45' DN STAMPED "T2S R6E S8 S5 1963" NOTE- FND NORTH OF THE NORTH EDGE OF GERMANN ROAD
20518-1	831186	743982.3	1266.06	FD 3" MCDOT BC FL STAMPED "1265.71" NOTE- FND FL MIDDLE PAVED ROAD NO STRADDLES
20502-1	833815.19	743977.58	1269.07	FD 3" MCDOT BC IN HH 0.7' DN NO STAMPING NOTE- +/- 2FT EAST OF APPROACH SLAB TO R.W.C.D. CANAL CROSSING (BRIDGE). CHIS X IN CAP
20503-1M	833845.84	746603.68	1269.94	FD 1/2" RB WITH NO ID FL NOTE- FND ON CL OF PECOS ROAD. REFURBISHED RB WITH 2" MARICOPA COUNTY AL CAP 0.1' DN STAMPED "T2S-R6E 1/4 S32/S5 2001 RLS 15573"
20501-1	833786.37	741335.38	1258.90	FD 3" GILBERT BC FL NO STAMPING NOTE- C/L EAST BOUND LANE

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 12-Dec-2005 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 8

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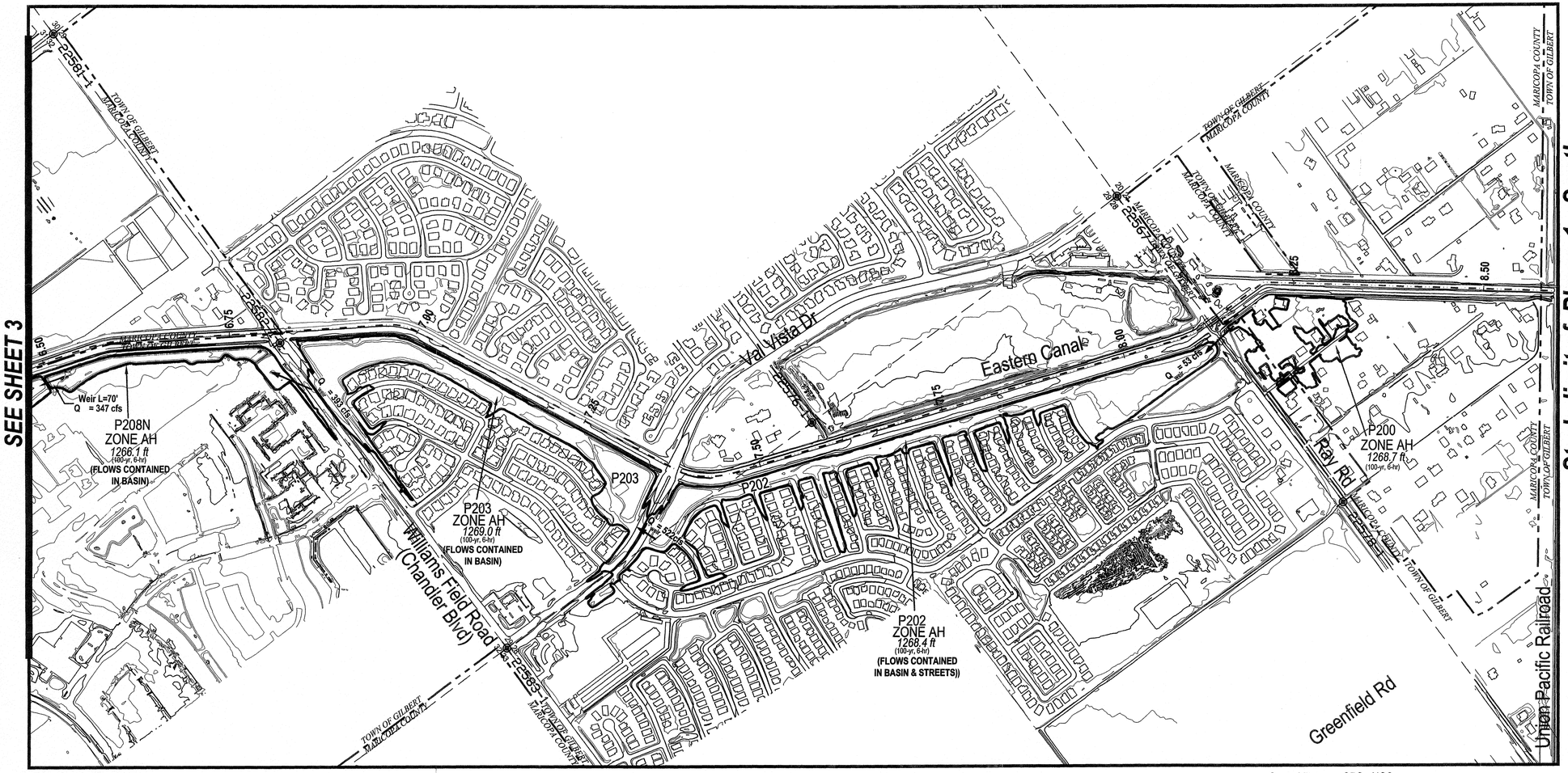
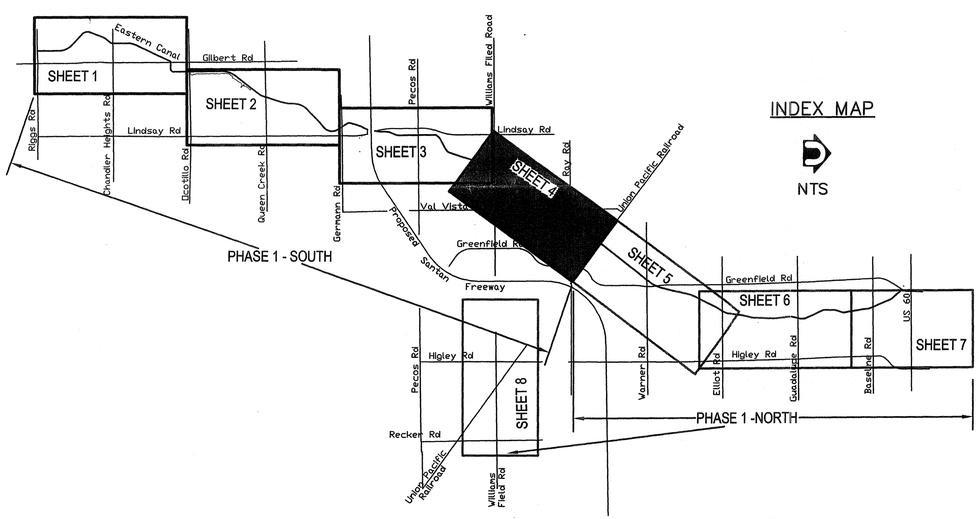


EASTERN CANAL

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.69'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



NOTES:
1. Topographic data for Ponds P227, P219/237, P238, P224, P208N, and P208S are per subdivision grading; refer to Technical Data Notebook Volume 1 Tab A.1 for data and Volume 4 Tab Section 5S Section 5S.1 for report text. Revised topographic data not shown on workmaps except for pond area.
2. P227 Conversion Factor: NGVD29=NAVD88-1.13'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.
   P219 Conversion Factor: NGVD29=NAVD88-2.36'; refer to Technical Data Notebook Volume 2 Tab J and Volume 4 Tab Section 5S Section 5S.1.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – SOUTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

	100-YR FLOODPLAIN BOUNDARY
2.00	HYDRAULIC BASE LINE WITH RIVER MILE
7.892 Q = 146 cfs FP = 1268.9	CROSS SECTION
x 1252.7	SPOT ELEVATION
1260	BASE FLOOD ELEVATIONS
ZONE AE	ZONE DESIGNATIONS
20562-1M	ERM LOCATION
26 25 / 35 36	SECTION LINES AND SECTION LABELS
CITY OF CHANDLER / MARICOPA COUNTY	JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22581-1	839124.47	743935.56	1261.17	FD 3" MCHD BC IN HH 0.3' DN STAMPED "1260.87"
22582-1	839147.57	746574.59	1271.19	FD 3" MCHD BC IN HH 0.45' DN NO STAMPING
22583-1	839172.03	749212.46	1271.73	FD 3" MCHD BC IN HH 0.45' DN NO STAMPING
22576-1	841806.76	749204.15	1266.62	FD 1/2" RB W/O ID 1' DN
22567-1	844441.71	749196.24	1266.44	FD 3" GILBERT BC IN HH 0.7' DN NO STAMPING
22578-1	841892.4	759726.54	1293.80	FD 3" MCHD BC FL STAMPED "RD ALIGN"

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 23969 FRANK EDWARD BROWN Date Signed 31 Dec 2007 ARIZONA, U.S.A.

DAVID EVANS AND ASSOCIATES INC.
2141 E. Highland Ave., Suite 200
Phoenix Arizona 85016
Phone: 602.678.5151

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	TJN	4/05
DESIGN CHK.	TJN	4/05
PLANS	LFS	10/07
PLANS CHK.	FEB	10/07

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 4 OF 8

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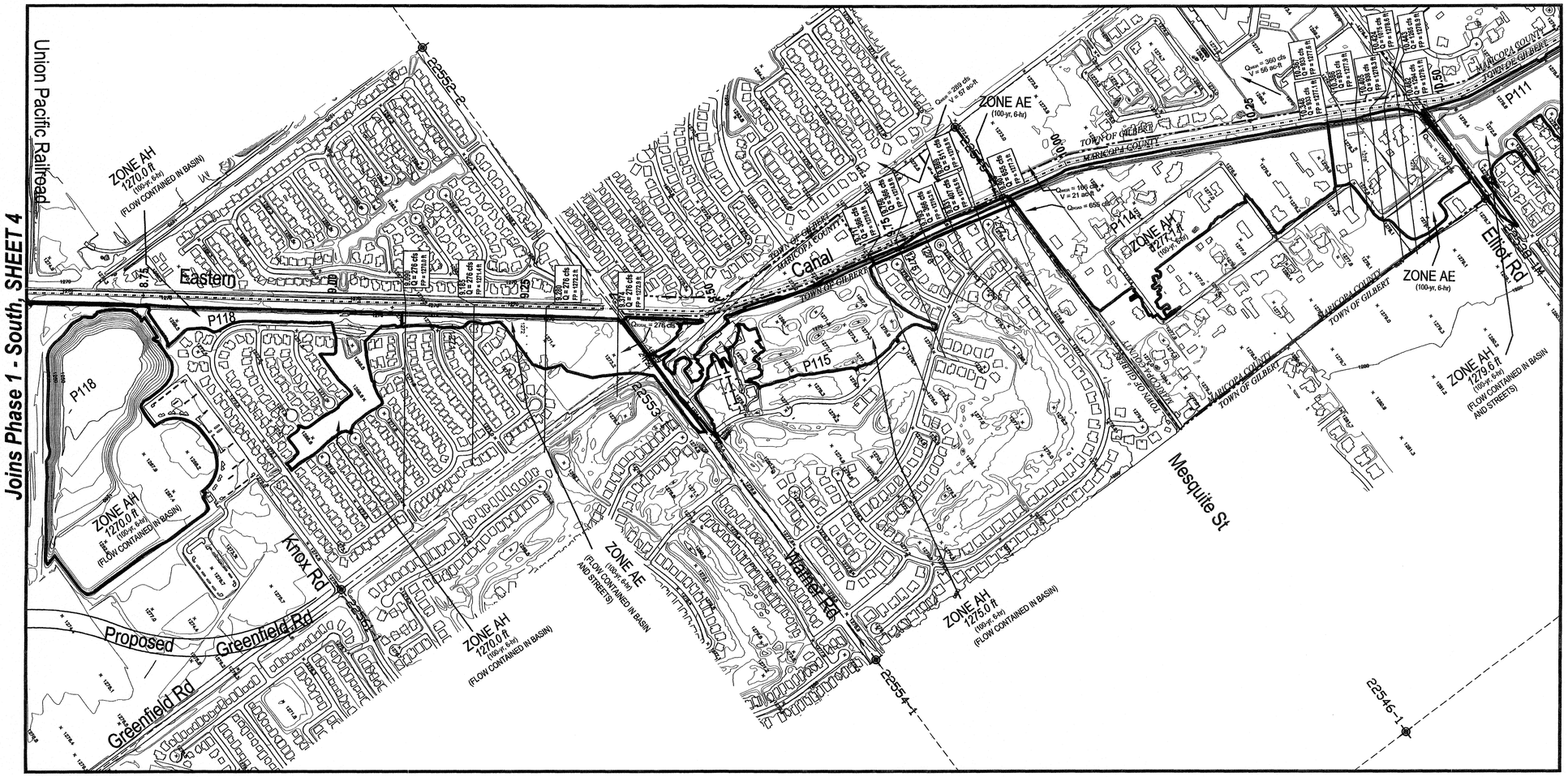
Study limit of Phase 1 - North
Joins Phase 1 - South, SHEET 4



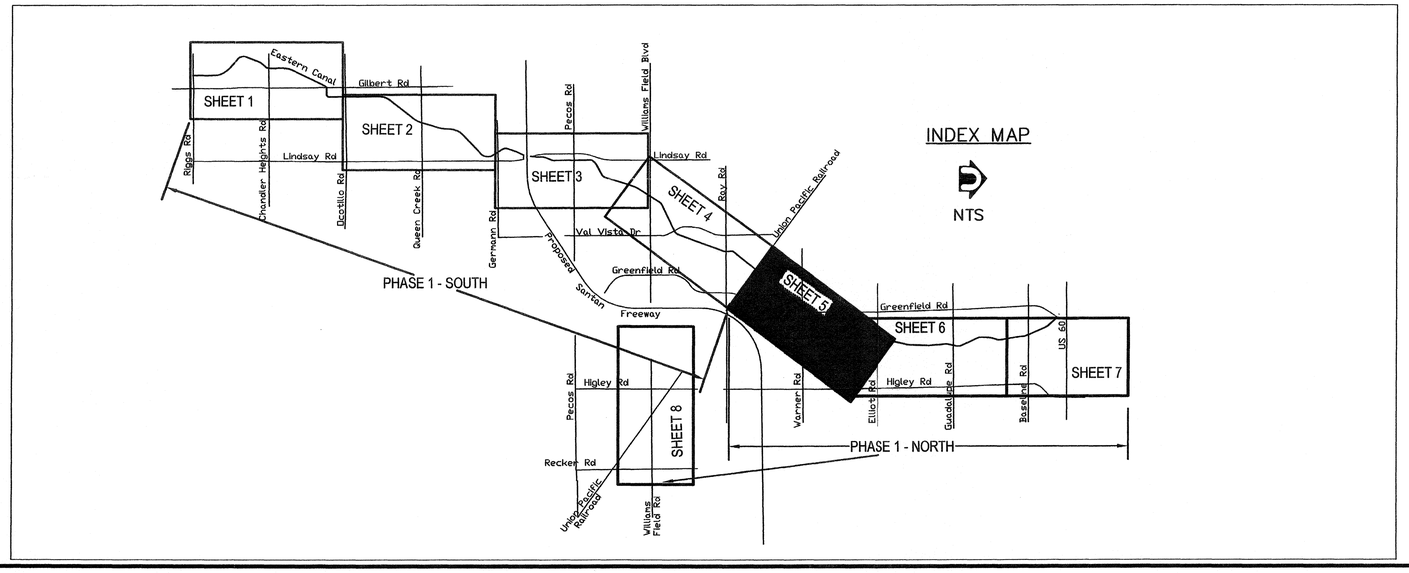
SEE SHEET 6

Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

EASTERN CANAL

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.69'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – NORTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 — HYDRAULIC BASE LINE WITH RIVER MILE
- 7.882 Q = 146 cfs FP = 1268.9 ft — CROSS SECTION
- x 1252.7 — SPOT ELEVATION
- -1260 — BASE FLOOD ELEVATIONS
- ZONE AE — ZONE DESIGNATIONS
- 20562-1M — ERM LOCATION
- 26 25 / 35 36 — SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY — JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22538-1M	855031.68	757027.42	1278.32	FD 1/2" RB W/O ID 1' DN, AFFIXED 2" MARICOPA COUNTY AL CAP STAMPED "T1S R6E 1/4 S10 S15 2003 RLS 21782"
22552-2	849721.03	751815.13	1268.76	FD 3" GILBERT BC IN HH 0.5' DN NO STAMPING NOTE- IN MEDIAN OF WARNER RD AND 30FT +/- EAST OF POWER LINES
22553-1	849735.71	754456.2	1274.09	FD 3" GILBERT BC IN HH 0.45' DN NO STAMPING
22561-1	847073.75	754462.64	1275.75	FD 3" GILBERT BC IN HH 0.3' DN NO STAMPING NOTE- CL OF GREENFIELD RD AND KNOX RD
22554-1	849763.56	757061	1280.52	FD 3" GILBERT BC IN HH 0.3' DN NO STAMPING NOTE- CL OF WARNER RD AND 300FT +/- EAST OF RESEDA STREET
22545-1	852373.03	754444.96	1272.52	FD 3" MCDOT BC IN HH 0.6' DN NO STAMPING NOTE- EAST EDGE OF PAVEMENT ON GREENFIELD RD AND 30FT +/- SOUTH OF MESQUITE STREET
22546-1	852423.4	759643.41	1289.09	FD 3" GILBERT BC FL NO STAMPING

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 25972 MICHAEL D. HEATON Date Signed 12-11-03 ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE. 4
PHOENIX, ARIZONA 85021

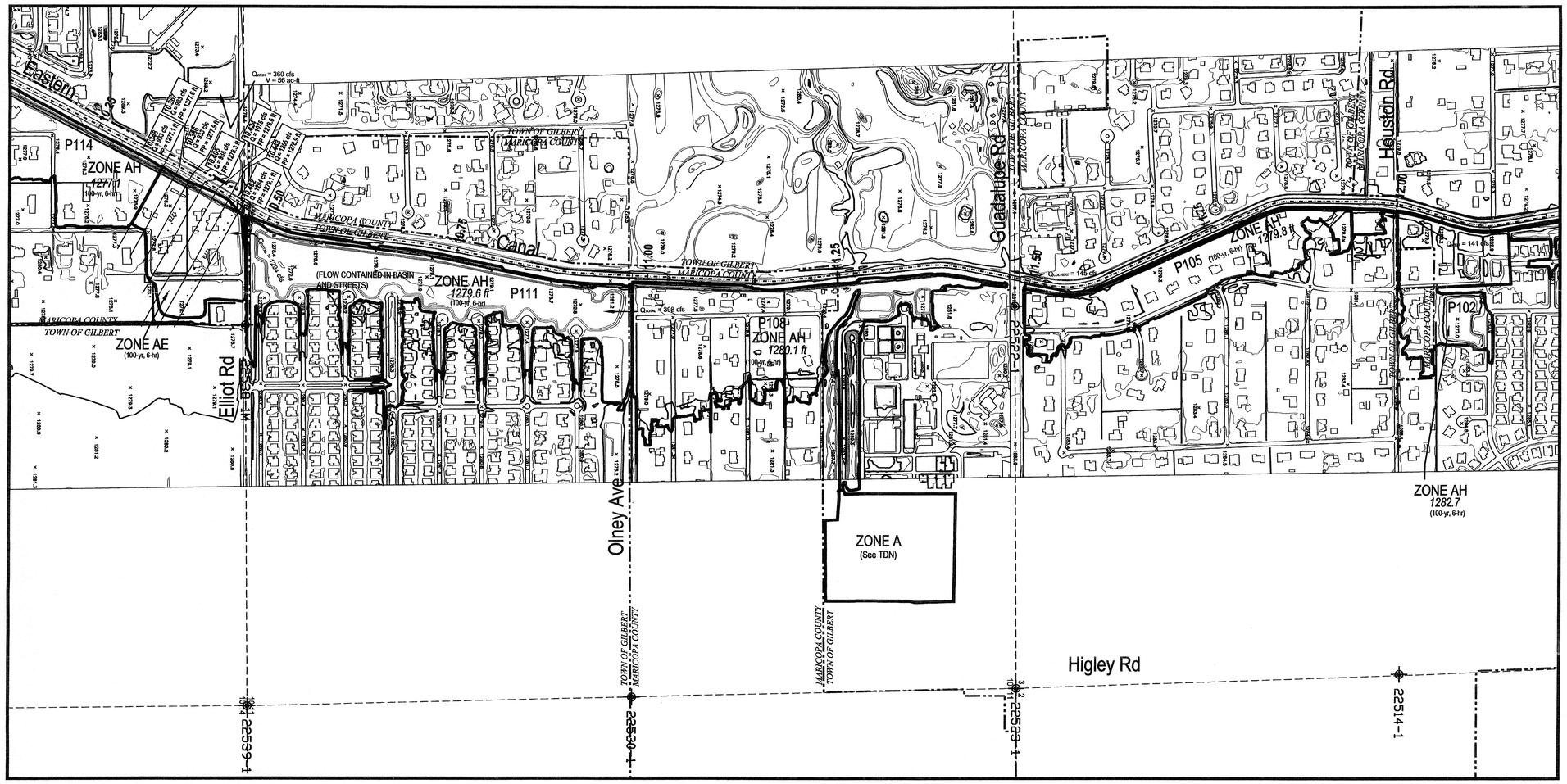
EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	XY	4/05
DESIGN CHK.	MDH	4/05
PLANS	GSB	4/05
PLANS CHK.	MDH	4/05
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 8

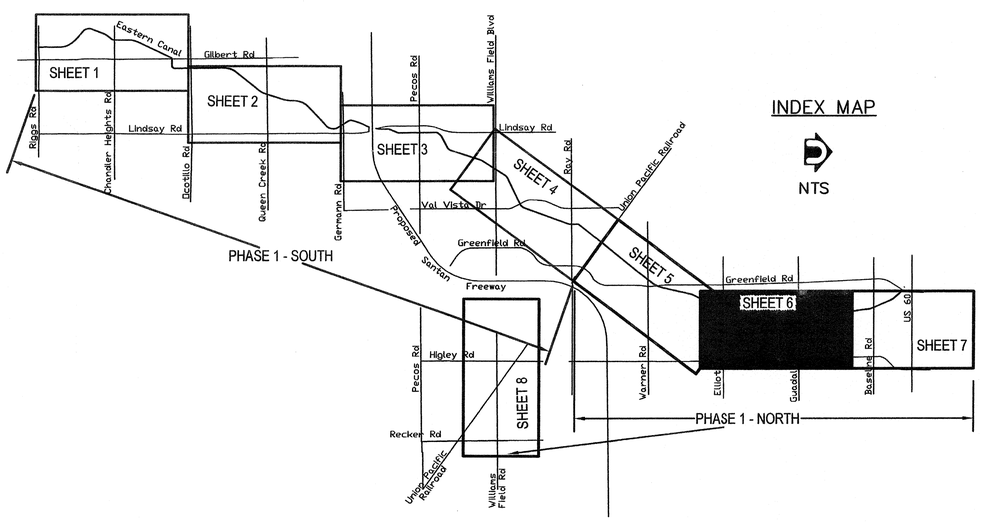


Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

EASTERN CANAL

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.69'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – NORTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 12.00 HYDRAULIC BASE LINE WITH RIVER MILE
- 7.892 Q = 146 cfs FP = 1263.9 ft CROSS SECTION
- x 1252.7 SPOT ELEVATION
- -1260 BASE FLOOD ELEVATIONS
- ZONE AE ZONE DESIGNATIONS
- 20562-1M ERM LOCATION
- 26 25 / 35 36 SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22538-1M	855031.68	757027.42	1278.32	FD 1/2" RB W/O ID 1' DN, AFFIXED 2" MARICOPA COUNTY AL CAP STAMPED "T1S R6E 1/4 S10 S15 2003 RLS 21782"
22539-1	855055.48	759621.19	1287.27	FD 3" BC IN HH 0.3' DN NO STAMPING
22530-1	857694.09	759560.41	1285.75	FD 3" MCHD BC IN HH 0.85' DN NO STAMPING NOTE- IN MEDIAN OF HIGLEY RD AND 50FT +/- NORTH OF POWER LINES
22522-1	860312.86	756896.58	1281.19	FD 3" GILBERT BC IN HH 0.55' DN NO STAMPING
22523-1	860332.93	759499.46	1289.61	FD 3" GILBERT BC IN HH 0.6' DN NO STAMPING
22514-1	862954.54	759402.54	1291.64	FD 3" GILBERT BC IN HH 0.2' DN NO STAMPING

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 25972 MICHAEL D. HEATON Date Signed 12-8-05 ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE. 4
PHOENIX, ARIZONA 85021

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

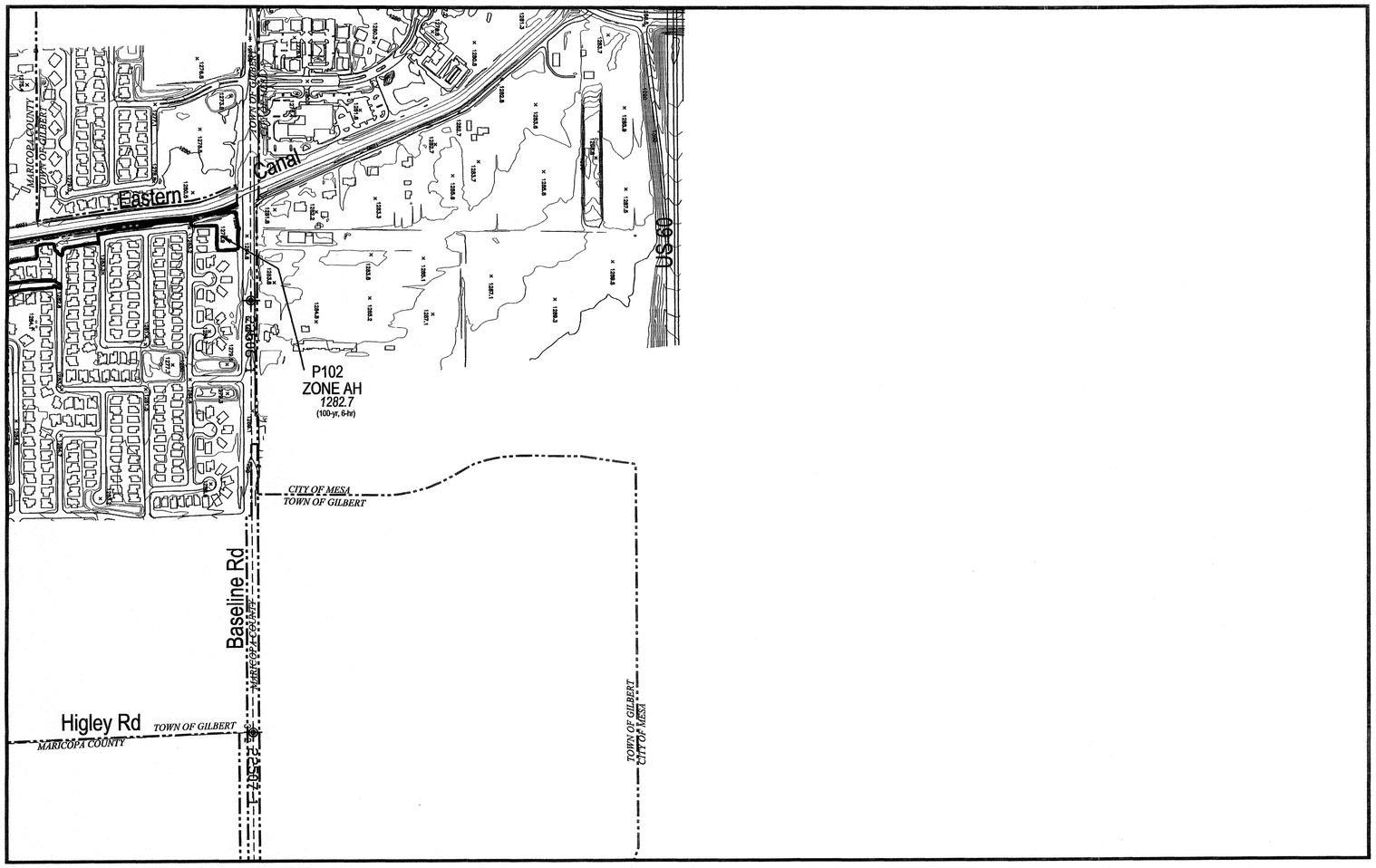
	BY	DATE
DESIGN	XY	4/05
DESIGN CHK.	MDH	4/05
PLANS	GSB	4/05
PLANS CHK.	MDH	4/05

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 8

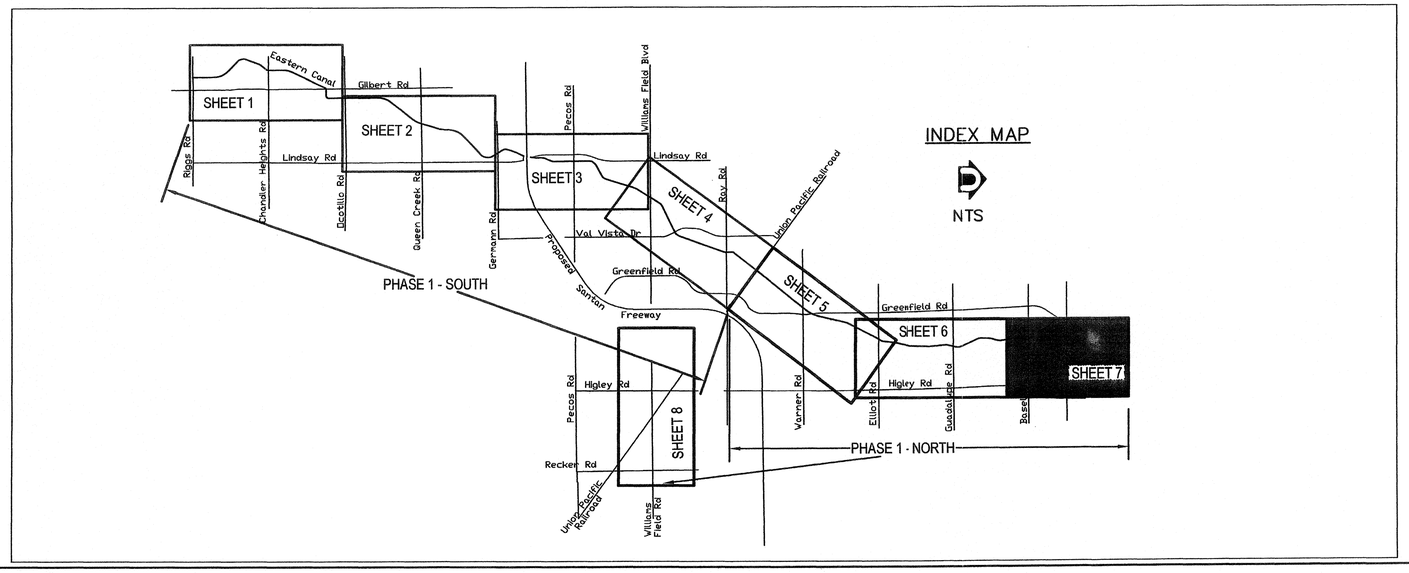


Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

EASTERN CANAL

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.69'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – NORTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 — HYDRAULIC BASE LINE WITH RIVER MILE
- 7.892 Q = 146 cfs FP = 1288.9 ft — CROSS SECTION
- x 1252.7 — SPOT ELEVATION
- -1260 — BASE FLOOD ELEVATIONS
- ZONE AH — ZONE DESIGNATIONS
- 20562-1M — ERM LOCATION
- 26 25 / 35 36 — SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY — JURISDICTIONAL BOUNDARY

0 200' 400' 800'

SCALE: 1" = 400'

2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22506-1	865561.95	756665.74	1286.40	FD 3" MCHD BC IN HH 0.35' DN NO STAMPING
22507-1	865576.08	759305.17	1296.78	FD 3" MCHD BC IN HH 0.35' DN NO STAMPING NOTE: LOCATED ROUND PUNCH

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 25972 MICHAEL D. HEATON Date Signed 11-12-05 ARIZONA U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE. 4
PHOENIX, ARIZONA 85021

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	XY	4/05
DESIGN CHK.	MDH	4/05
PLANS	GSB	4/05
PLANS CHK.	MDH	4/05

SUBMITTED BY: DATE:

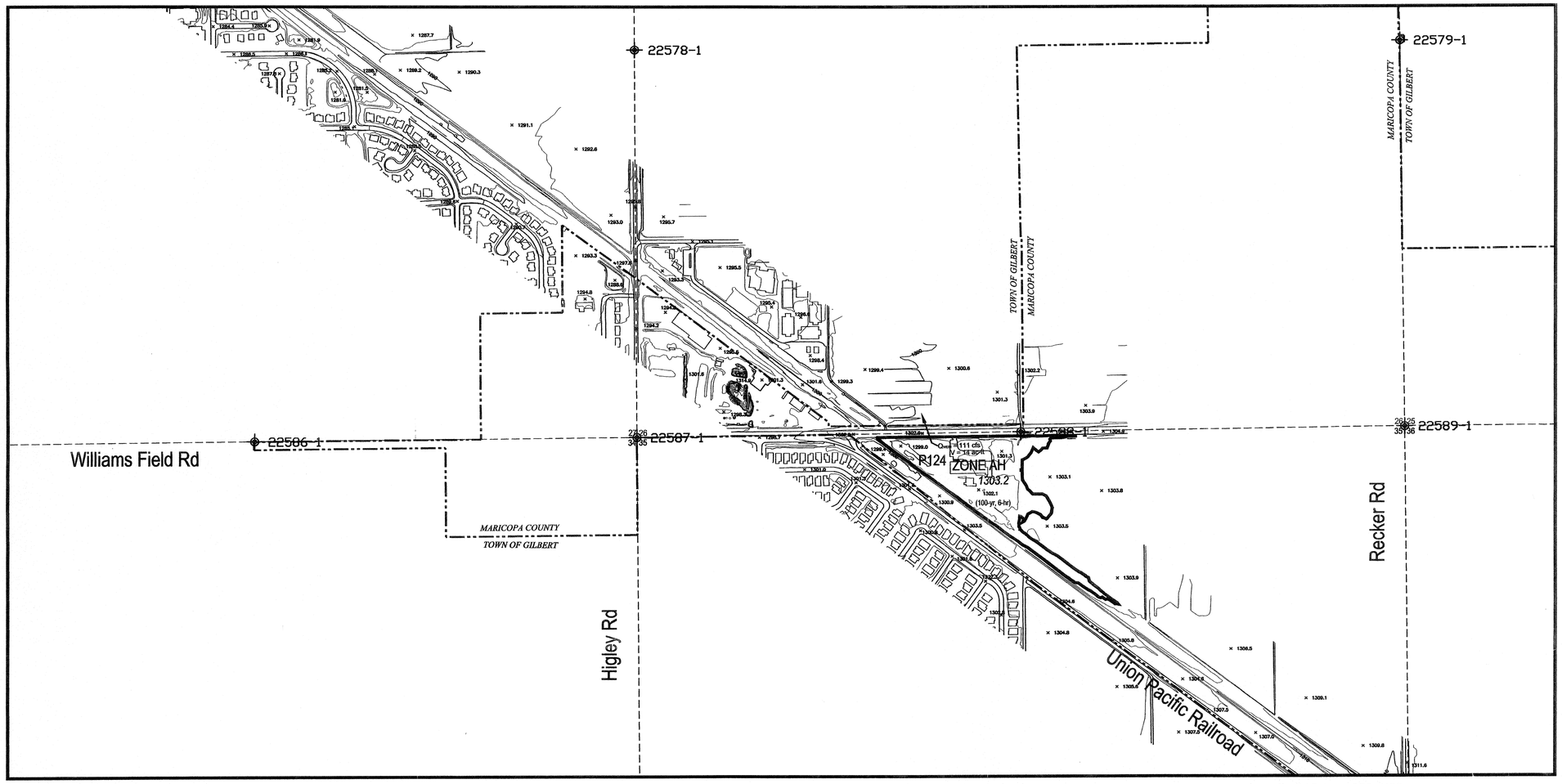
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 7 OF 8

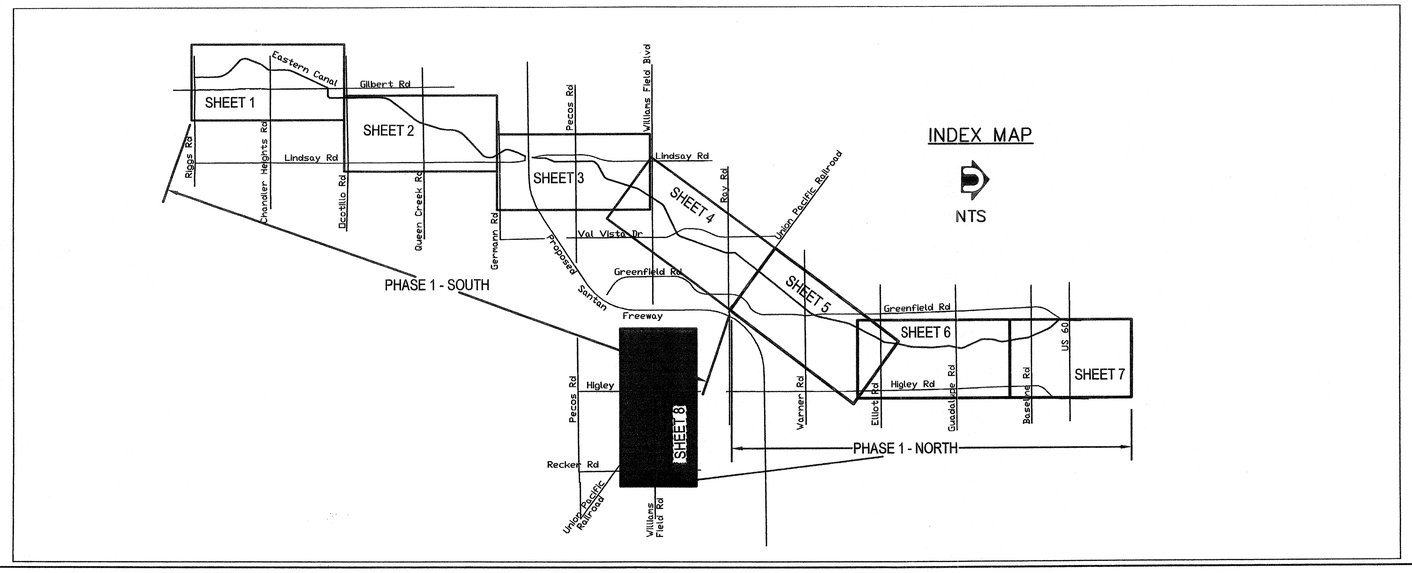


Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.67'

Note: The Hydraulic Baseline is measured from the centerline of Eastern Canal.

EASTERN CANAL



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY PHASE 1 – NORTH EASTERN CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 — HYDRAULIC BASE LINE WITH RIVER MILE
- 7,892 Q = 146 cfs FP = 1268.9 ft — CROSS SECTION
- x 1252.7 — SPOT ELEVATION
- -1260 — BASE FLOOD ELEVATIONS
- ZONE AE — ZONE DESIGNATIONS
- 20562-1M — ERM LOCATION
- 26 25 / 35 36 — SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY — JURISDICTIONAL BOUNDARY

0 200' 400' 800'
SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22586-1	839232.94	757119.51	1290.62	FD 3" MCHD BC IN HH 0.95' DN NO STAMPING
22587-1	839260.27	759746.78	1297.10	FD 3" MCDOT BC IN HH 0.45' DN NO STAMPING
22588-1	839291.87	762380.51	1302.55	FD 3" MCHD BC IN HH 0.7' DN NO STAMPING
22589-1	839325.24	765013.81	1310.71	FD 3" MCHD BC IN HH 0.5' DN NO STAMPING
22579-1	841952.85	764977.22	1308.31	FD 3" GILBERT BC IN HH 0.3' DN NO STAMPING
22578-1	841892.4	759726.54	1293.80	FD 3" MCHD BC FL STAMPED "RD ALIGN"

DATE	REVISION	BY

Registered Professional Engineer (Civil) CERTIFICATE NO. 25972 MICHAEL D. HEATON Date Signed 12-12-07 ARIZONA, U.S.A.

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE. 4
PHOENIX, ARIZONA 85021

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	XY	4/05
DESIGN CHK.	MDH	4/05
PLANS	GSB	4/05
PLANS CHK.	MDH	4/05

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 8 OF 8