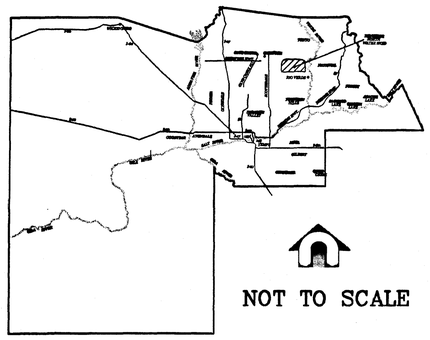
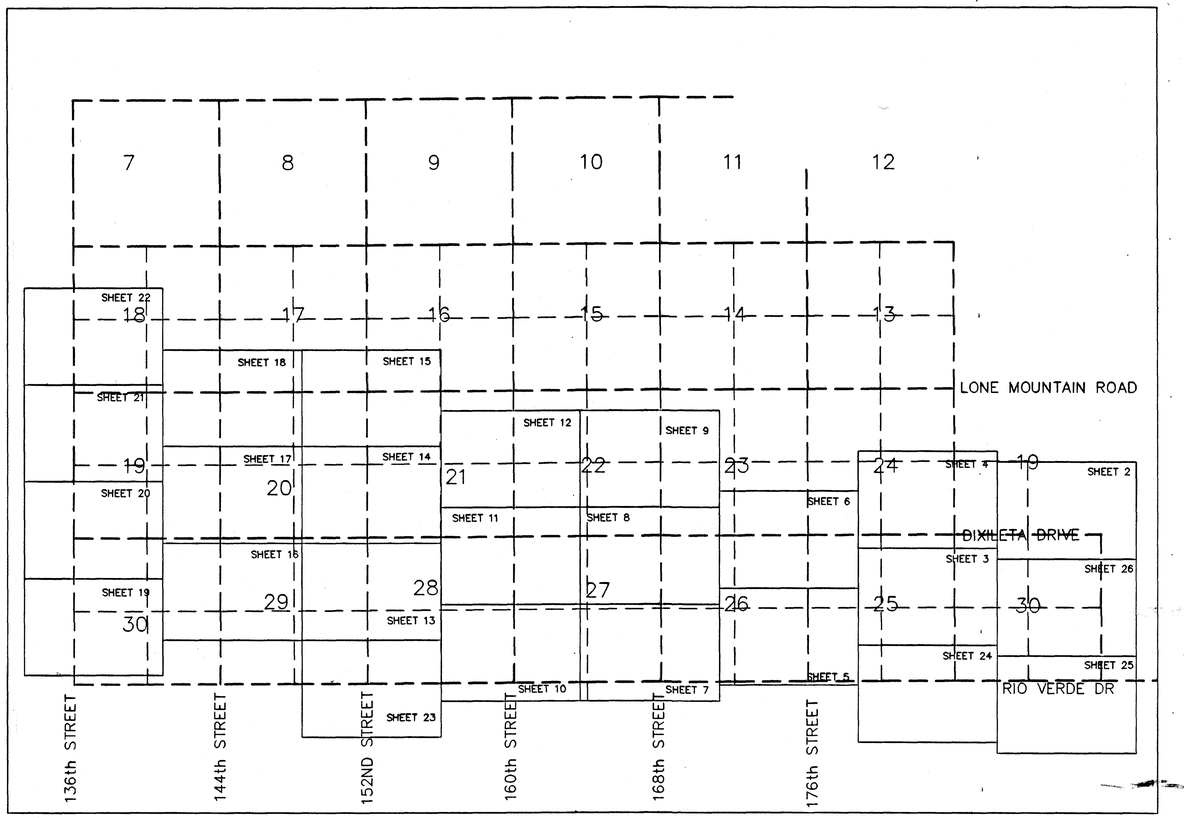
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
RIO VERDE NORTH EXTENSION
FLOOD DELINEATION STUDY
F.C.D. CONTRACT NO. 98-21



LOCATION MAP



STUDY AREA MAP AND SHEET INDEX

NOT TO SCALE

DATUM

ALL ELEVATIONS ARE BASED ON GEODETIC VERTICAL DATUM OF 1929

STATEMENT BY PROFESSIONAL REGISTRANTS

THE GROUND CONTROL SURVEY WAS PREPARED UNDER MY DIRECT SUPERVISION:

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 14958
THOMAS J. LUTE
Date Signed 11/26/02
ARIZONA, U.S.A.

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

THE PHOTOGRAMMETRY AND TOPOGRAPHICAL MAPPING WERE PREPARED UNDER MY DIRECT SUPERVISION:

Registered Professional Engineer (Civil)
CERTIFICATE NO. 35980
HANUMANTHRAJ CHANNARAJ
Date Signed
ARIZONA U.S.A.
24 Dec, 2002

THE ~~FLOODPLAIN DELINEATION~~ WAS PREPARED UNDER MY DIRECT SUPERVISION:

Registered Professional Engineer (Civil)
CERTIFICATE NO. 30013
TERI S. GEORGE
Date Signed 12/26/02
ARIZONA U.S.A.

FEDERAL FILES
305

AERIAL MAPPING

COOPER AERIAL COMPANY
11402 N. CAVE CREEK RD.
PHOENIX, AZ 85020 (602) 678 5228
FLIGHT DATE: 12/04/98 AND 01/11/99
CONTOUR INTERVAL: 2 FEET

GROUND CONTROL

DAVID EVANS AND ASSOCIATES, INC.
7878 N.16TH ST., STE 250
PHOENIX, AZ 85320 (602) 678 5151

ADDITIONAL SURVEY

DAVID EVANS AND ASSOCIATES, INC.
7878 N.16TH ST., STE 250
PHOENIX, AZ 85320 (602) 678 5151

HYDROLOGY

DAVID EVANS AND ASSOCIATES, INC.
7878 N.16TH ST., STE 250
PHOENIX, AZ 85320 (602) 678 5151

HYDRAULICS

DAVID EVANS AND ASSOCIATES, INC.
7878 N.16TH ST., STE 250
PHOENIX, AZ 85320 (602) 678 5151

LEGEND

SECTION LINES	— — —
SECTION NUMBER	25
HALF SECTION LINES	- - - - - -

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/02
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/02

SUBMITTED BY: DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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

SHEET 1 OF 26

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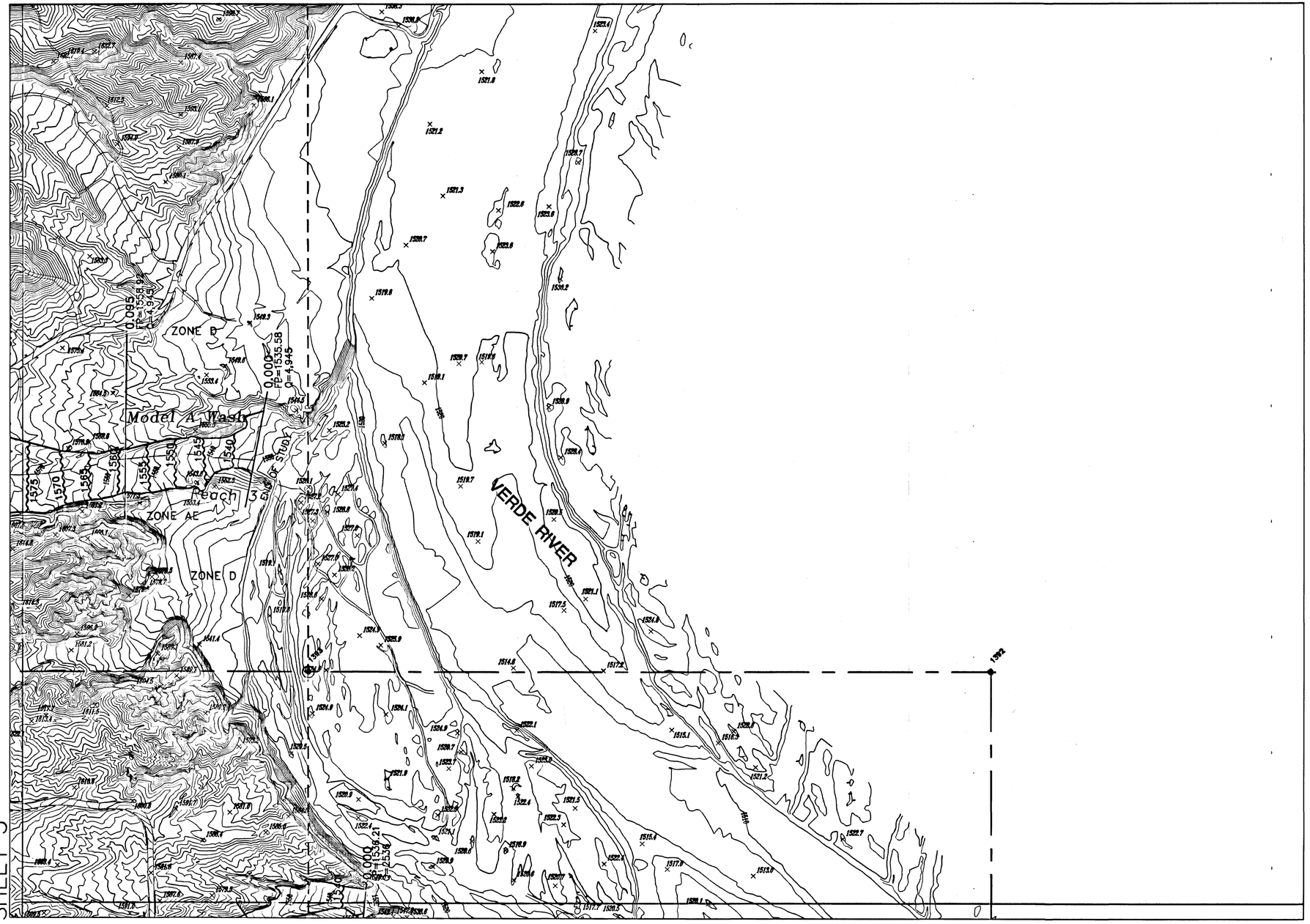
MATCHLINE SHEET 4



MATCHLINE SHEET 3

MATCHLINE SHEET 26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	2140
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

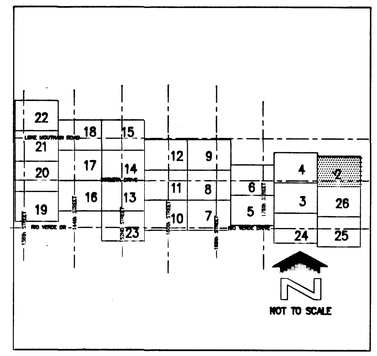
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1392	2455.40	1/2" REBAR POSS. SEC. COR. SCOR SE T05N, R06E, SEC 19
1393	2384.68	BLM CADASTRAL BC UP 0.6FT QCOR S T05N, R06E, SEC 19

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE

SHEET 2 OF 26

Registered Professional Engineer Certificate No. 35880 HANUMANTHRAJ CHANNARAJ Date Approved 24 Dec, 2002

Registered Land Surveyor Certificate No. 30013 TERI S. GEORGE Date Signed 12/26/02 Arizona U.S.A.

Registered Land Surveyor Certificate No. 14958 THOMAS J. LUTE Date Signed 11/26/02 Arizona, U.S.A.

MAR10035 JYJ 12/09/02 17:05:21 JYJ S:\DRN\MAR10035\CAD\SHEETS\M35top02.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 4

MATCHLINE SHEET 3

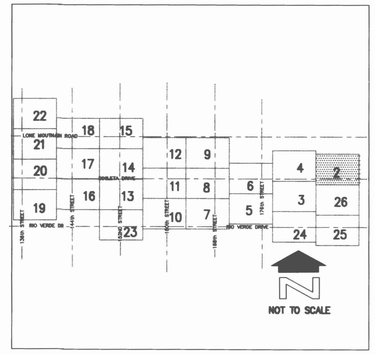
MATCHLINE SHEET 26

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 26

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CERTIFIED AS

DRAWER # 305

Rio Verde North
Aerial Mylars
FCD 98-21

...NY, INC.
...OCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 4

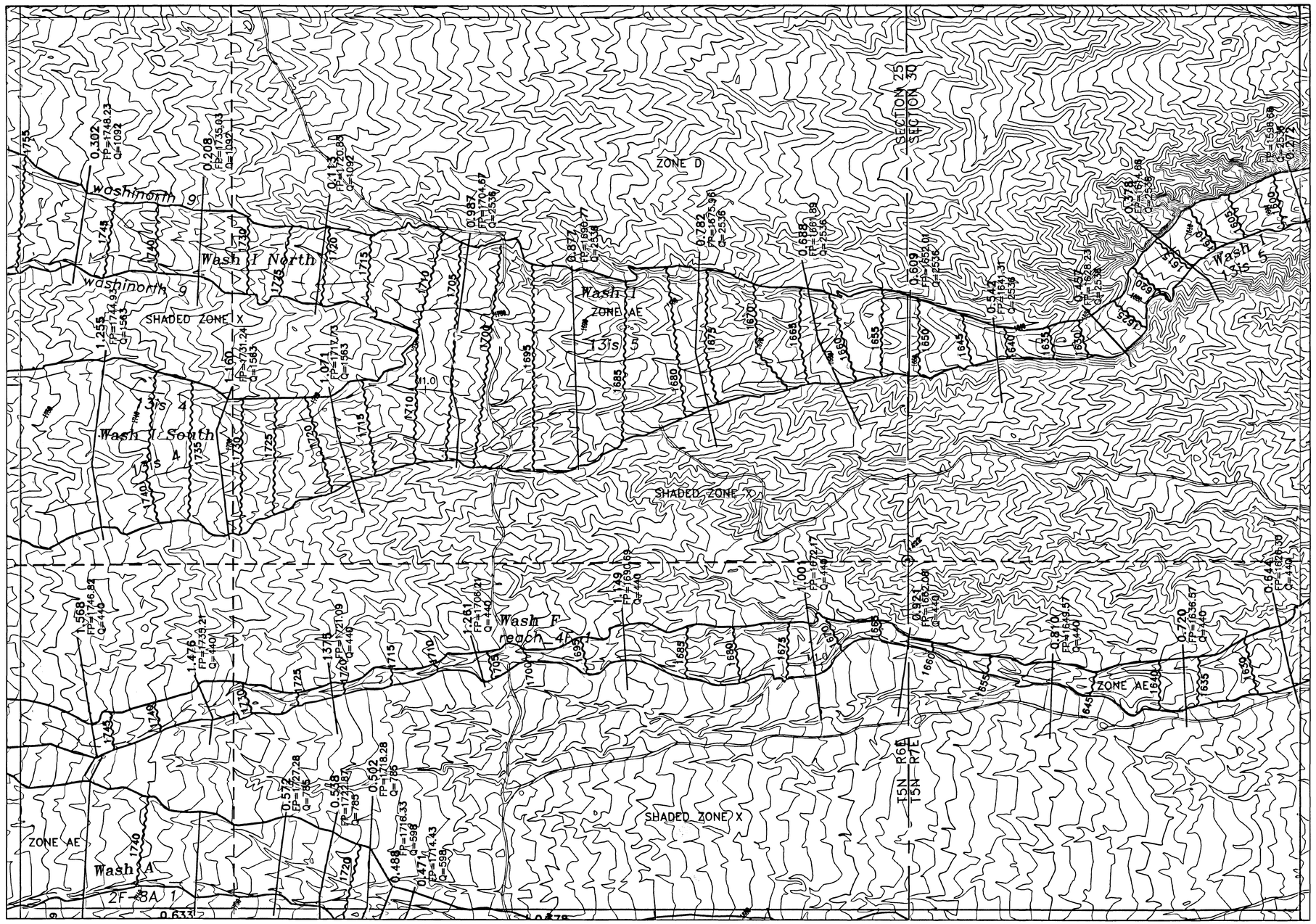
MATCHLINE SHEET 6

MATCHLINE SHEET 2

MATCHLINE SHEET 5

MATCHLINE SHEET 26

MATCHLINE SHEET 24



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	2140
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

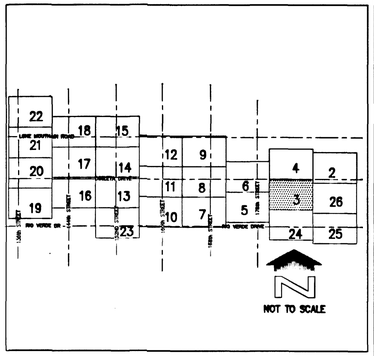
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1422	1662.26	BLM CADASTRAL BC UP 0.7FT QCOR E, T05N, R06E, SEC 25

NOTES

- REBAR
- IRON BAR
- BRASS CAP
- ALUMINUM CAP
- STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01
SUBMITTED BY:		DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED 12/24/02 ARIZONA U.S.A.

24 Dec, 2002

Registered Land Surveyor CERTIFICATE NO. 30018 TERI S. GEORGE Date Signed 12/24/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14936 THOMAS J. LUTE Date Signed 12/24/02 ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES.
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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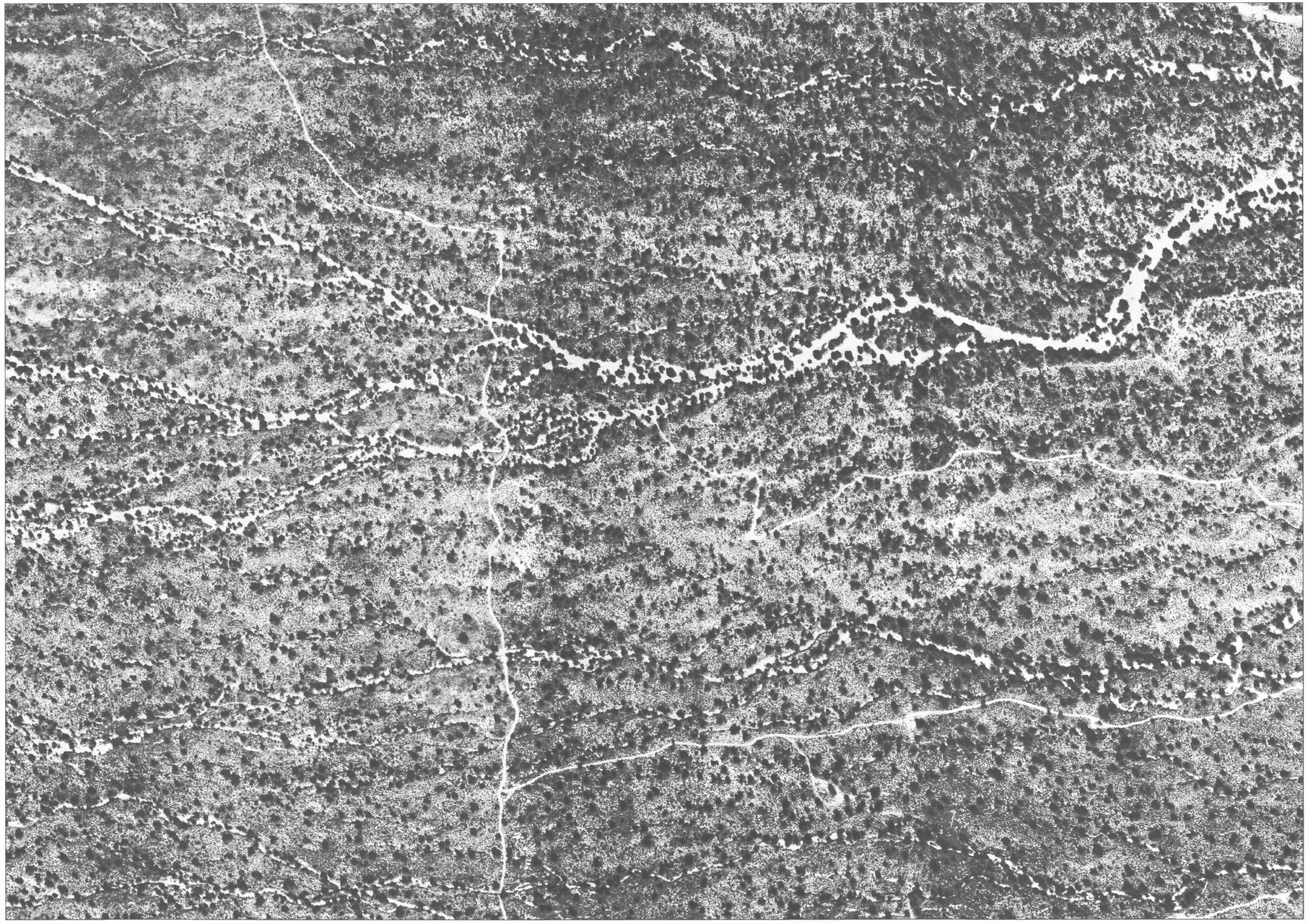
MATCHLINE SHEET 4

MATCHLINE SHEET 6



MATCHLINE SHEET 2

MATCHLINE SHEET 5

MATCHLINE SHEET 26

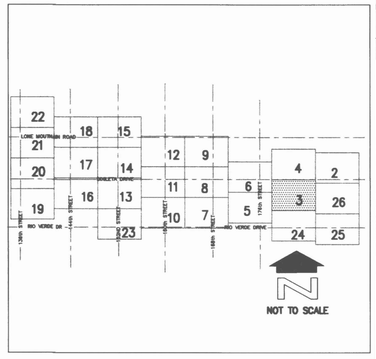
MATCHLINE SHEET 24

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 26

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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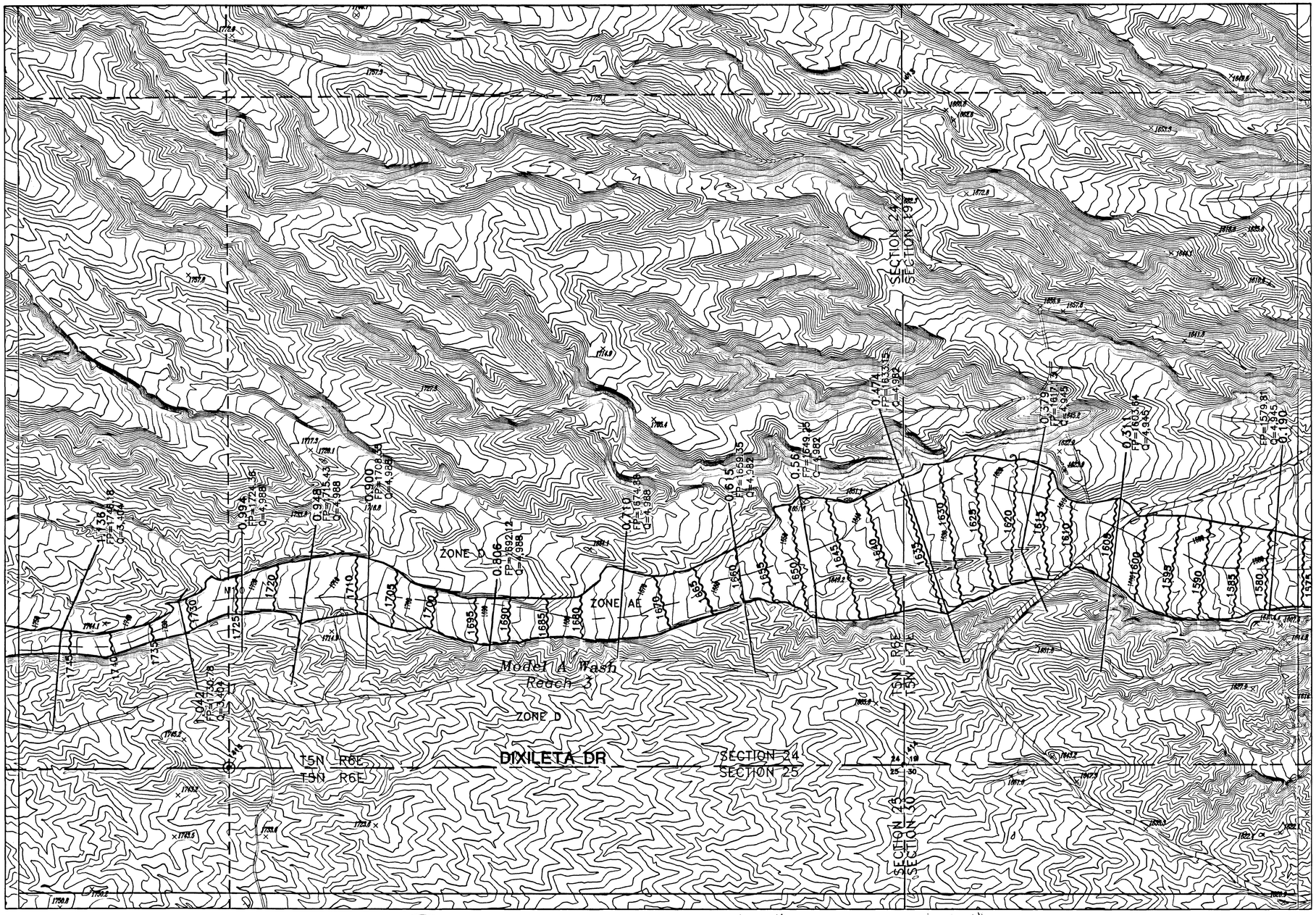


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	2140
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

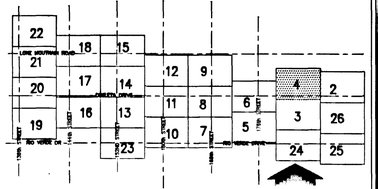
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1413	1668.68	BLM CADASTRAL BC UP 1.5FT QCOR E, T05N, R06E, SEC 24
1414	1655.04	1/2" REBAR LS19857 POSS.SEC.COR SCOR SE, T05N, R06E, SEC 24
1415	1740.99	BLM CADASTRAL BC UP 1.0FT QCOR S, T05N, R06E, SEC 24

NOTES

- REBAR
- IRON BAR
- BRASS CAP
- ALUMINUM CAP
- STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

SUBMITTED BY: DATE:

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE REGISTERED 12/31/03 ARIZONA U.S.A.

24 Dec, 2002

CERTIFICATE NO. 30013 TERI S. GEORGE DATE SIGNED 12/24/02

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14956 THOMAS J. LUTE DATE SIGNED 12/24/02 ARIZONA U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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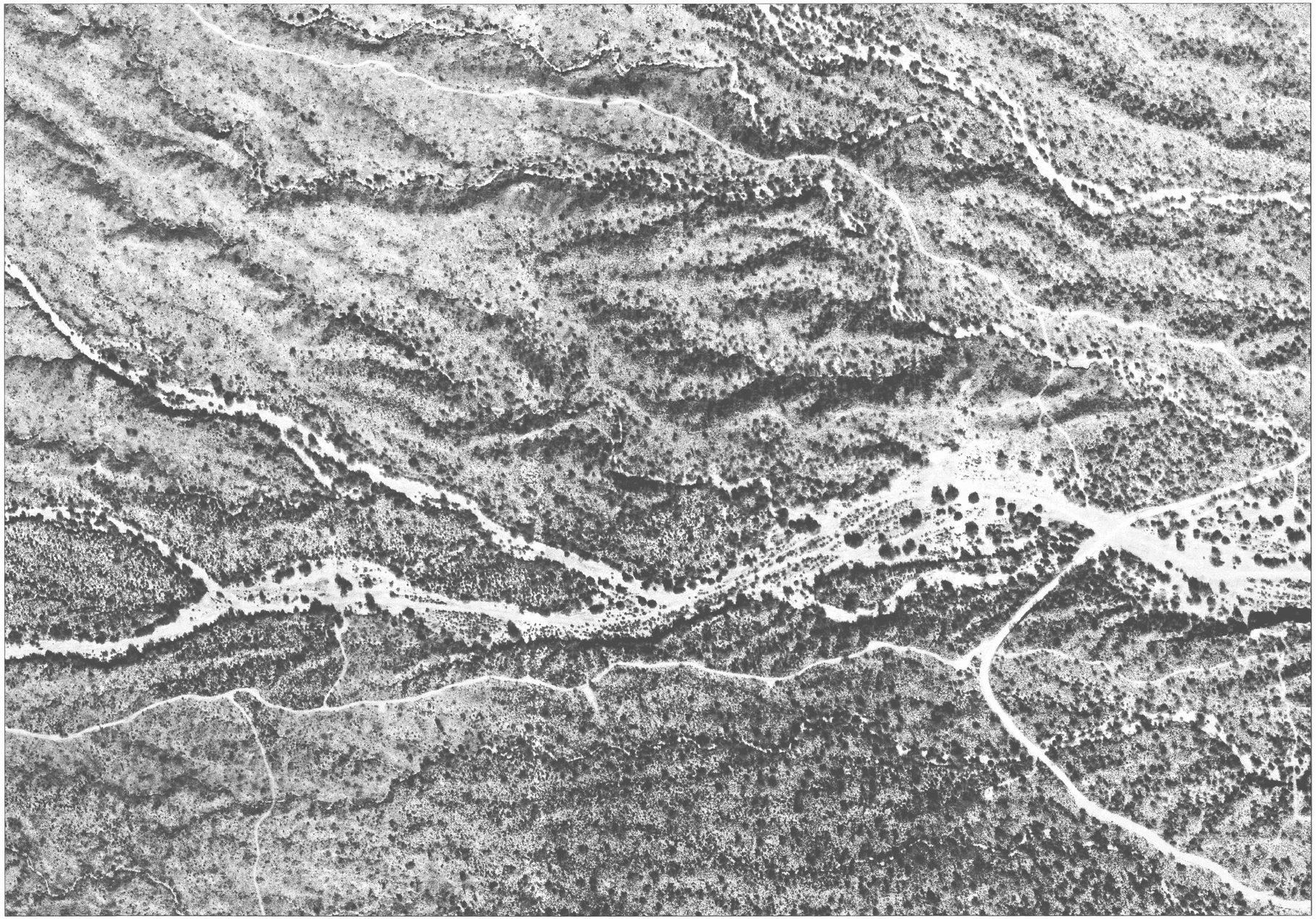


MATCHLINE SHEET 2

MATCHLINE SHEET 6

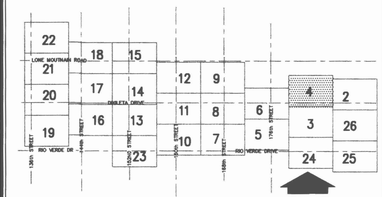
MATCHLINE SHEET 3

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

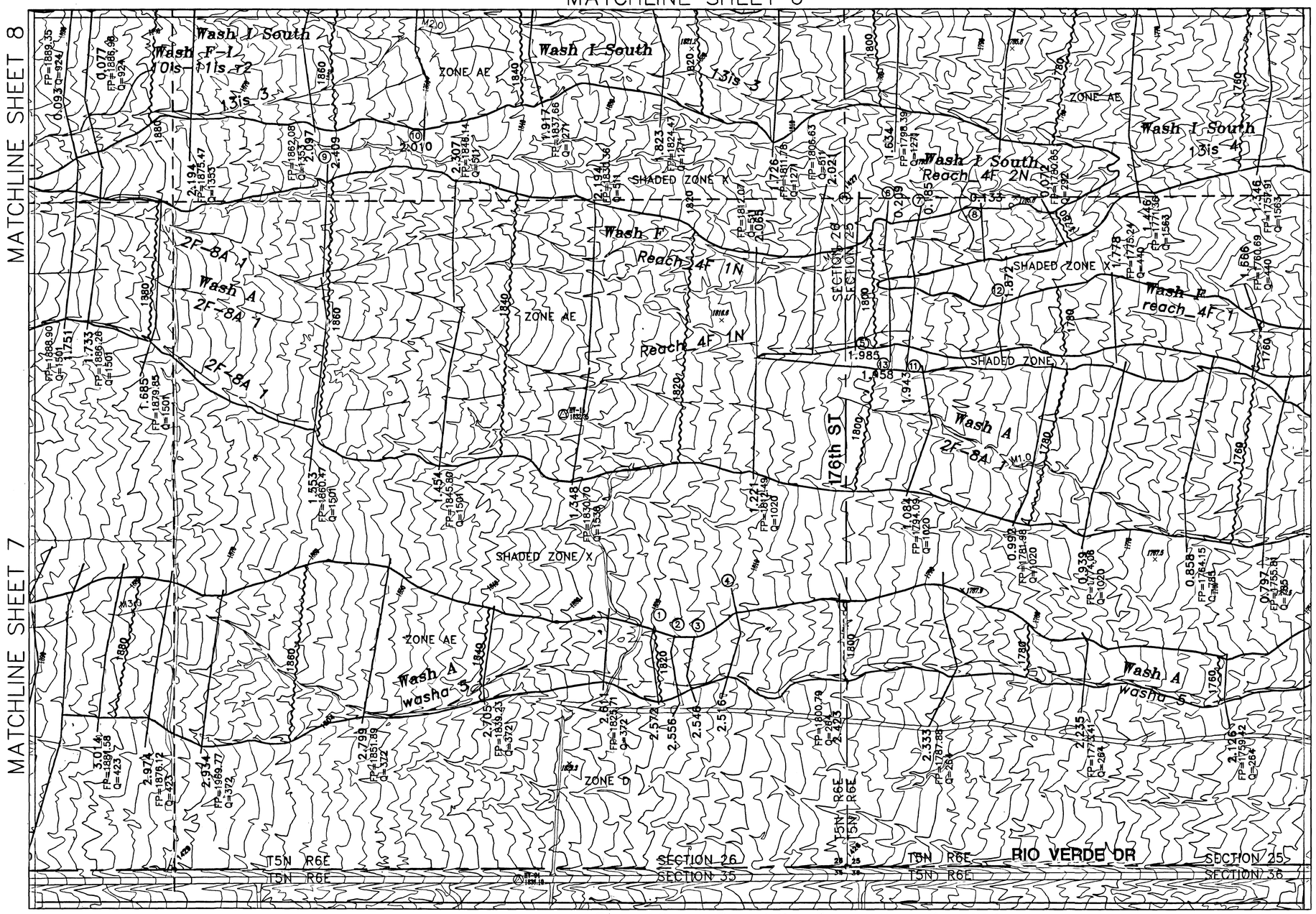
SUBMITTED BY: _____ DATE:

SHEET 4 OF 26

MARI0035 sta 10/10/01 16:16:15 sta S:\DRN\MARI0035\CAD\Aerial sheets\M35top04a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



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7. FP=1795.28 Q=292
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11. FP=1796.14 Q=219
12. FP=1786.04 Q=219
13. FP=1798.17 Q=219

24 Dec, 2002

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	2140
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

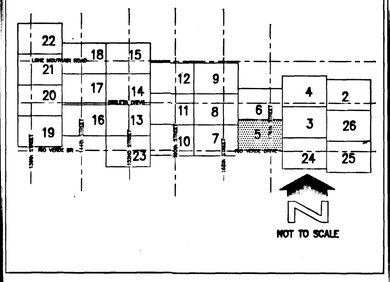
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1426	1795.67	1/2" REBAR LS19857 POSS.SEC.COR. SCOR SE T05N, R06E, SEC 26
1427	1803.97	BLM CADASTRAL BC UP 0.7FT QCOR E T05N, R06E, SEC 26
1429	1868.02	1/2" REBAR LS19857 POSS. 1/4COR. QCOR S, T05N, R06E, SEC 26

NOTES

- ● REBAR
- ⊡ IRON BAR
- ⊙ BRASS CAP
- ⊜ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE

SHEET 5 OF 26

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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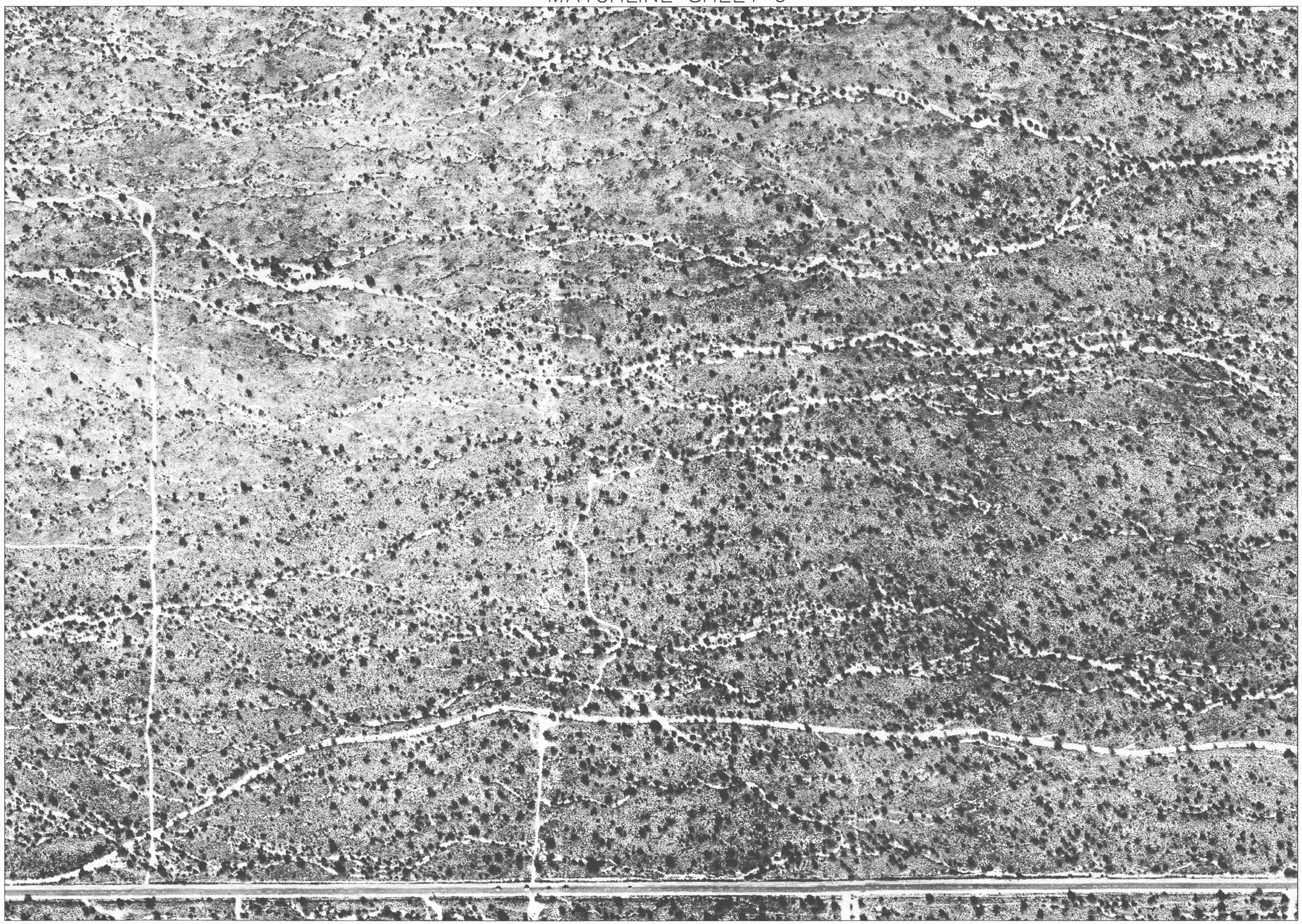
MATCHLINE SHEET 6

MATCHLINE SHEET 8



MATCHLINE SHEET 7

MATCHLINE SHEET 3

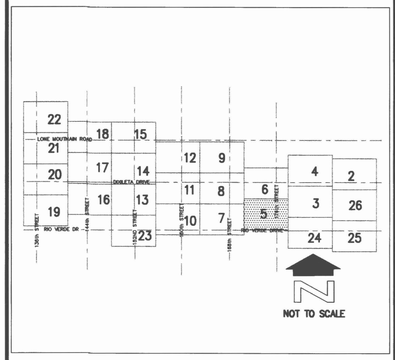
MATCHLINE SHEET 24

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

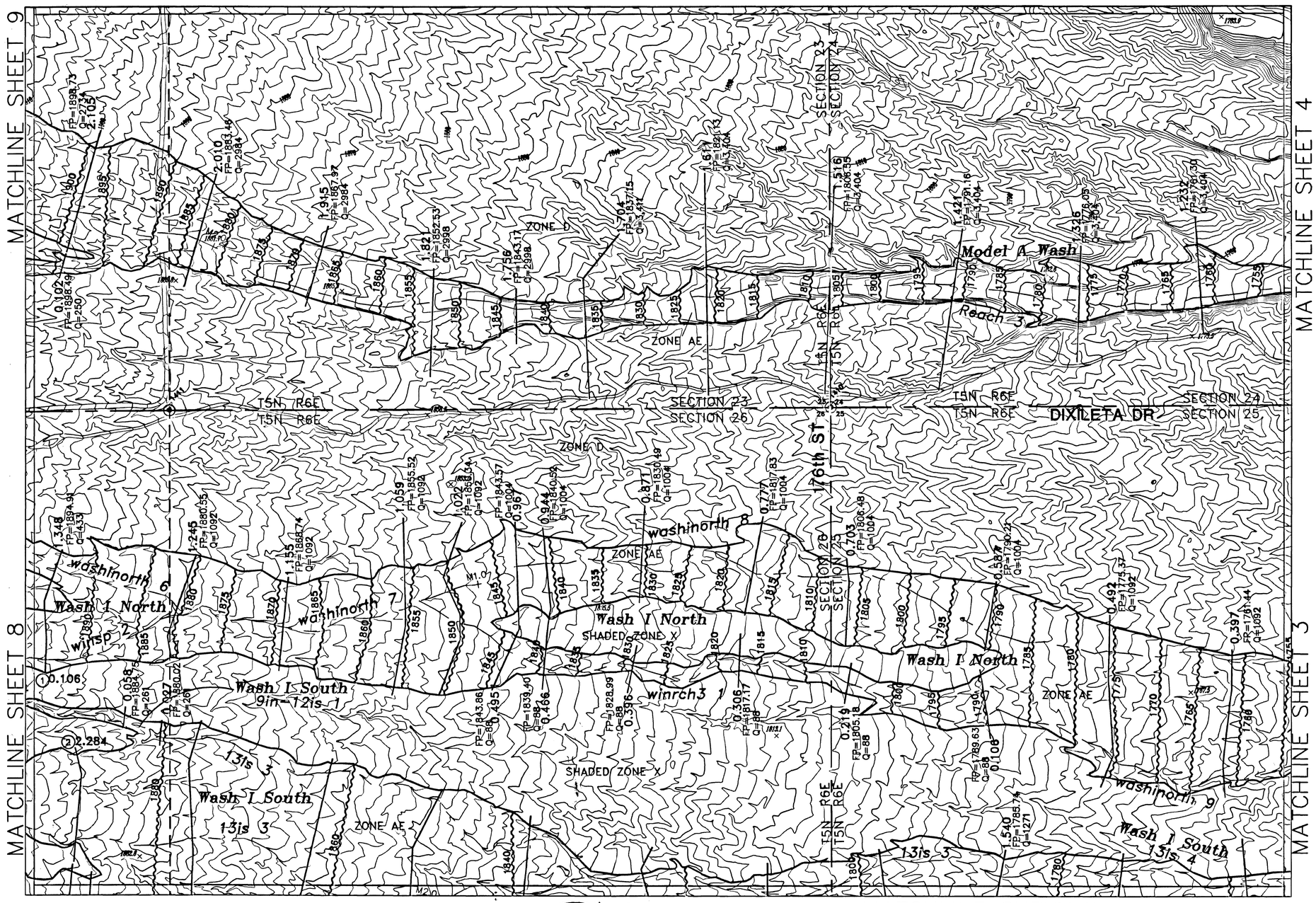
SUBMITTED BY: _____ DATE:

SHEET 5 OF 26

MAR10035 sta 10/10/01 16:24:07 sta S:\DRN\MAR10035\CAD\Aerial sheets\M35top05a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



KEY:
① FP=1894.86 Q=687
② FP=1889.09 Q=223

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

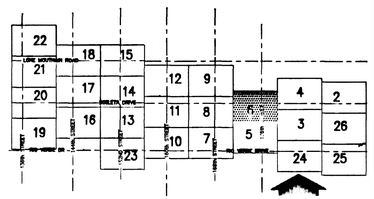
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1410	1810.04	BLM CADASTRAL BC UP 1.2FT SCOR SE T05N,R06E, SEC 23
1411	1886.61	BLM CADASTRAL BC UP 0.8FT QCOR S T05N, R06E, SEC 23

NOTES

- ● REBAR
- ◉ BRASS CAP
- ◎ STONES
- □ IRON BAR
- ⊟ ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'
SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 26

Registered Professional Engineer (Civil) — CERTIFICATE NO. 35880 — HANUMANTHRAJ CHANNARAJ — DATE SIGNED — ARIZONA U.S.A.

Hanumanthraj 24 Dec, 2002

Registered Land Surveyor — CERTIFICATE NO. 46856 — THOMAS J. LUTE — Date Signed 12/26/02 — ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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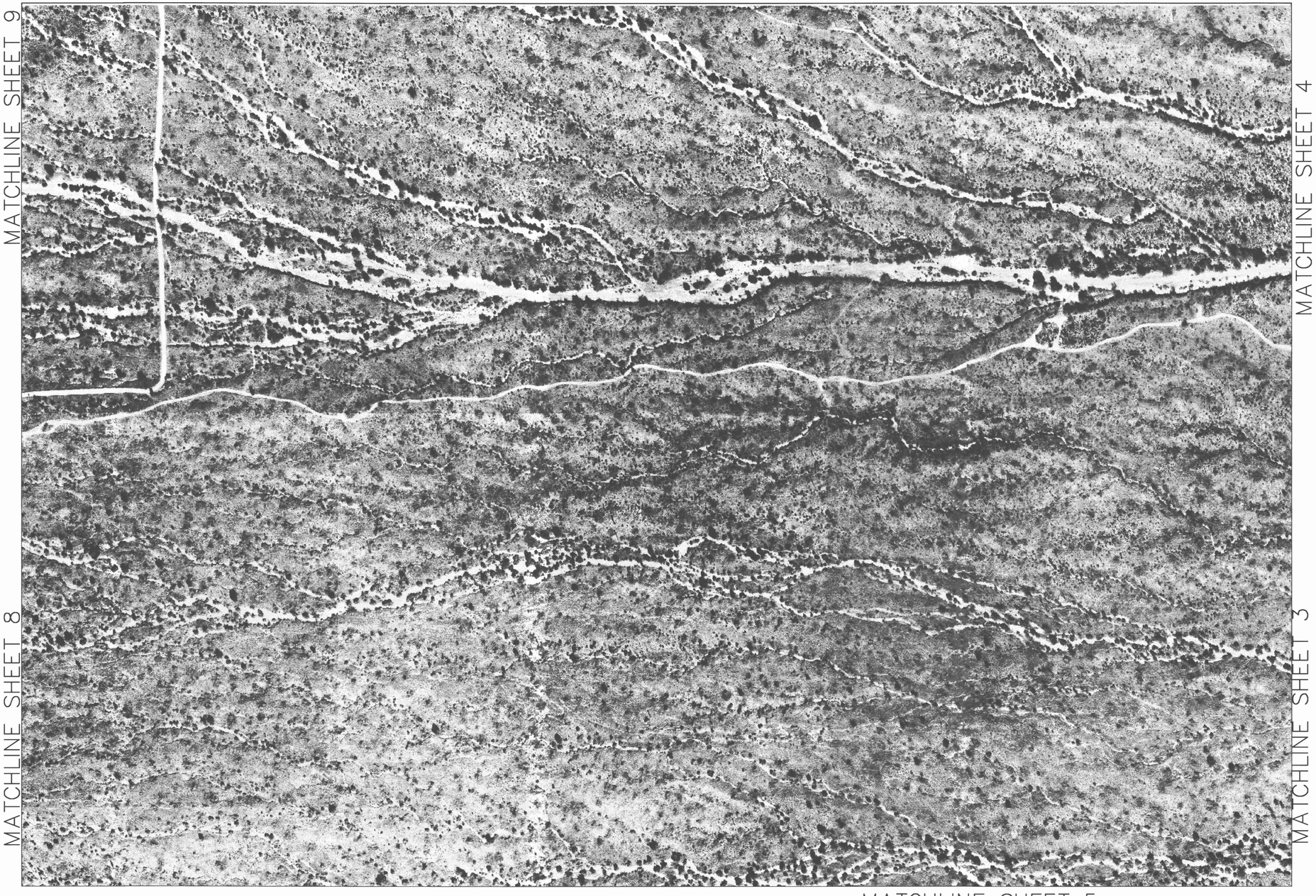
MATCHLINE SHEET 9



MATCHLINE SHEET 4

MATCHLINE SHEET 8

MATCHLINE SHEET 3

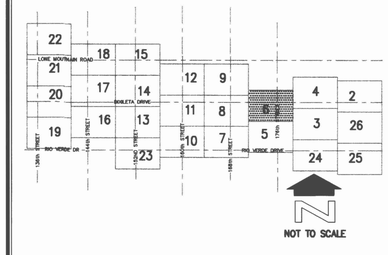
MATCHLINE SHEET 5

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 26

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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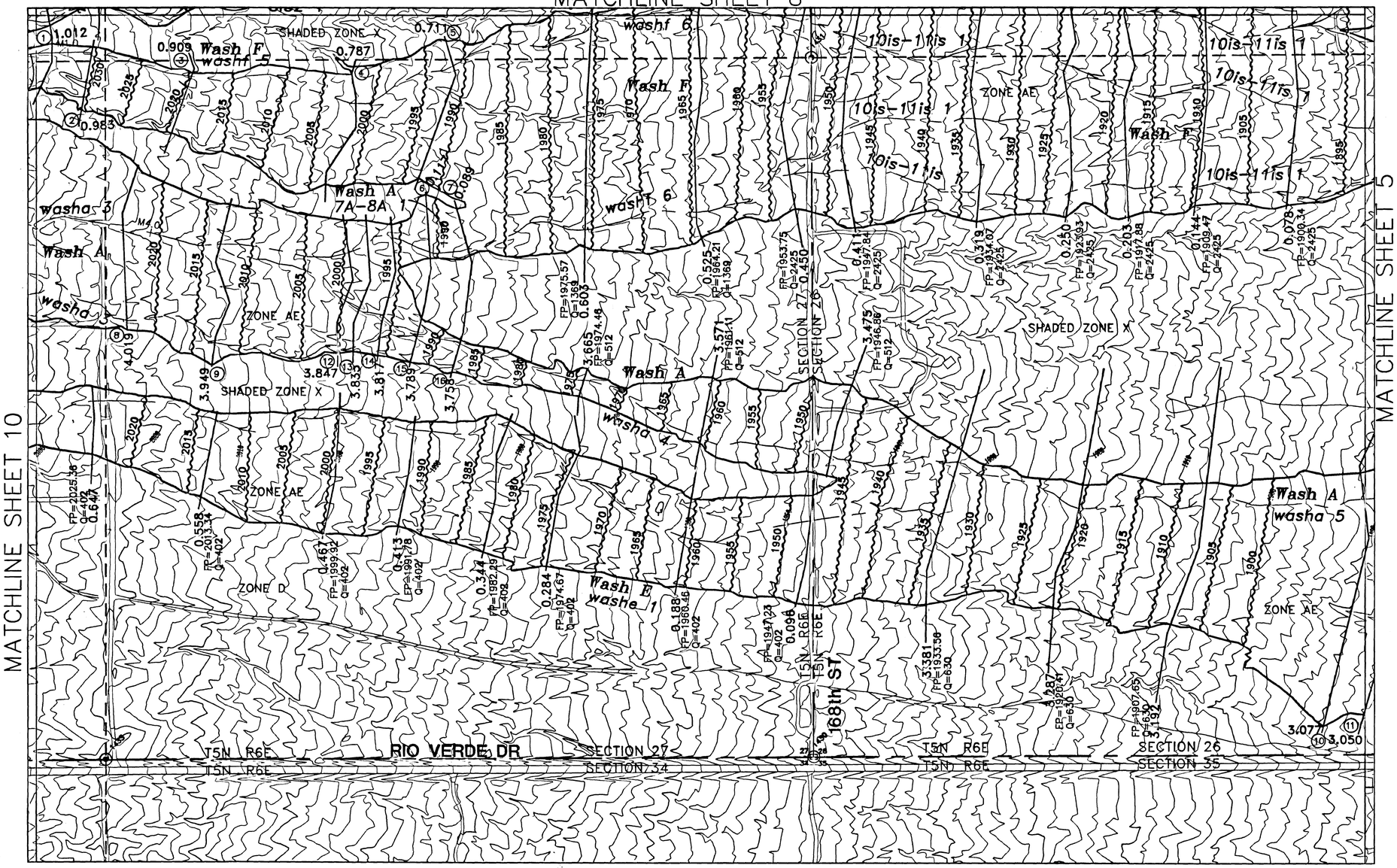


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

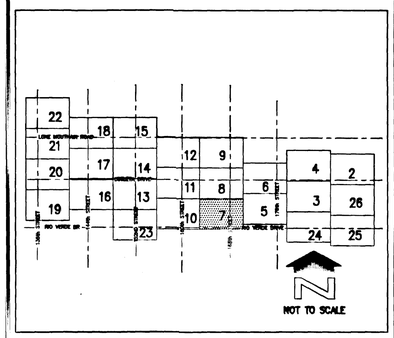
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1430	1943.69	SRP AC DOWN 1.5FT SCOR SE T05N, R06E, SEC 27
1431	1952.98	BLM DEPT. OF INTERIOR BC QCOR E T05N, R06E, SEC 27
1433	2017.92	BLM CADASTRAL BC DOWN 0.7FT QCOR S T05N, R06E, SEC 27

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



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③ FP=2019.57 Q=349	⑦ FP=1988.38 Q=1033	⑪ FP=1886.16 Q=630	⑮ FP=1991.91 Q=512
④ FP=2001.90 Q=349	⑧ FP=2023.46 Q=1544	⑫ FP=2000.25 Q=1544	⑯ FP=1987.49 Q=512

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE

SHEET 7 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ — 24 Dec 2002

Registered Land Surveyor CERTIFICATE NO. 14858 THOMAS J. LUTE — 12/19/02

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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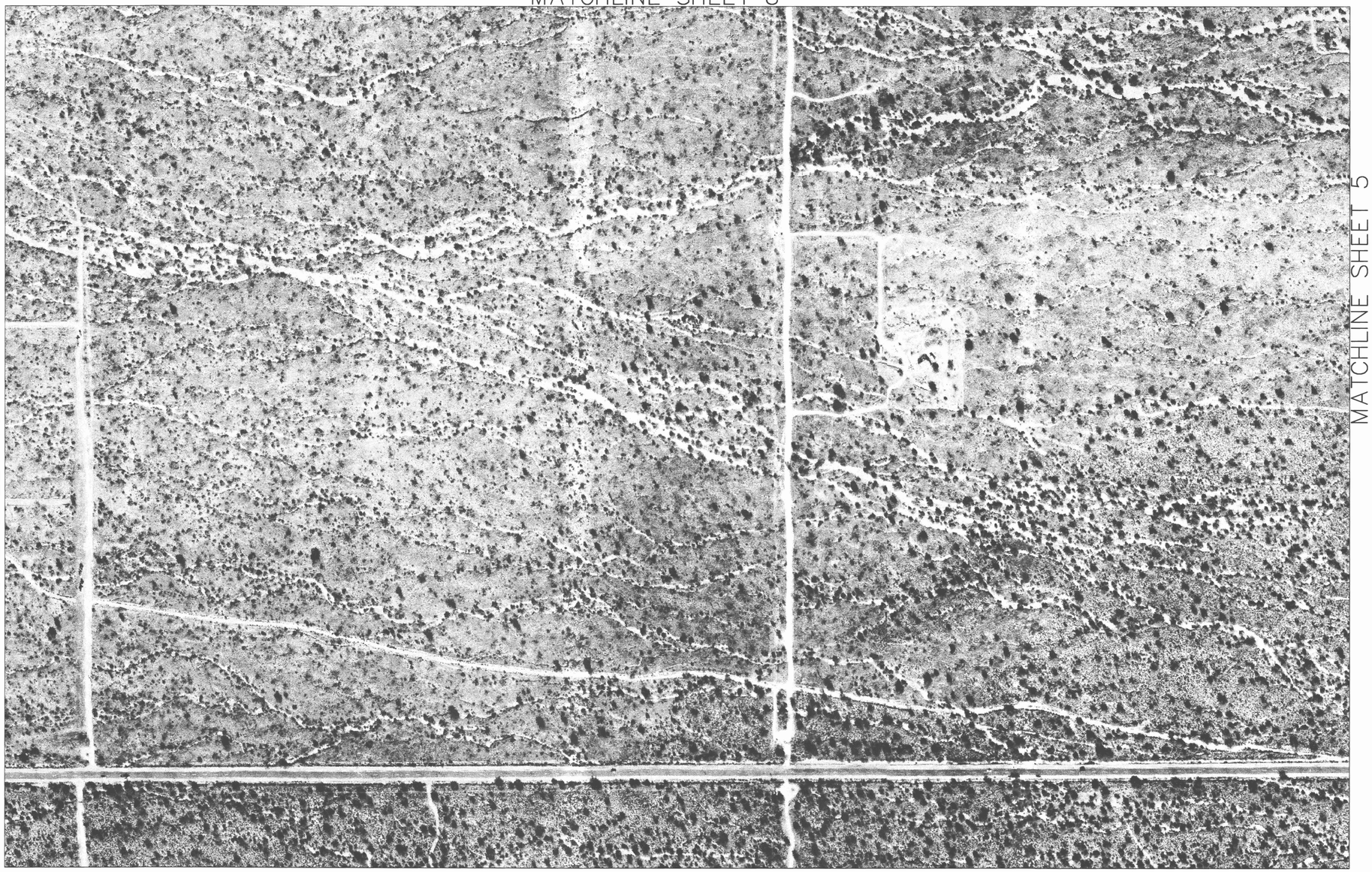
MATCHLINE SHEET 8



MATCHLINE SHEET 10

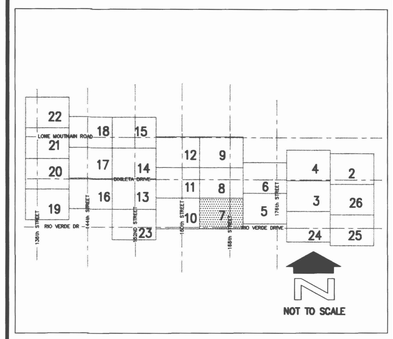
MATCHLINE SHEET 5

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 7 OF 26

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COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 9

MATCHLINE SHEET 11

MATCHLINE SHEET 6

MATCHLINE SHEET 5

MATCHLINE SHEET 7

DIXILETA DR
168th ST
SECTION 22
SECTION 27
SECTION 23
SECTION 26
T5N R6E
T5N R6E
Model A Wash
Reach 2
ZONE AE
Model A Wash
South Branch Spl
ZONE AE
SHADED ZONE X
ZONE D
Washinorth 5
Wash I North
Wash I South
Wash IS-N
Wash IS-N 2
Wash IS-N winsp 1
Wash F-IS
Wash F-I
Wash F-1
Junction 21
fsplit 2
washf-i 4
washf-i 2
washf-i 3
washf-i 1
13is 1
13is 2
8is2 1
9is-9in
9is-10is split
10is 1
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ZONE AE
ZONE AH
ZONE AO
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2.082
2.083
2.084

MATCHLINE SHEET 9

MATCHLINE SHEET 11

MATCHLINE SHEET 6

MATCHLINE SHEET 5

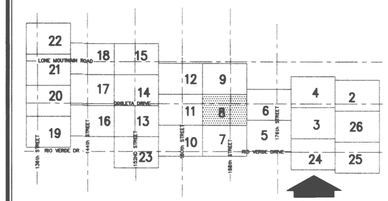
MATCHLINE SHEET 7

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCLGSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: _____ DATE: _____

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 8 OF 26

MARIO029 sta 10/15/01 12:53:12 sta S:\DRN\MARIO035\CAD\Aerial sheets\M35top08a.dwg

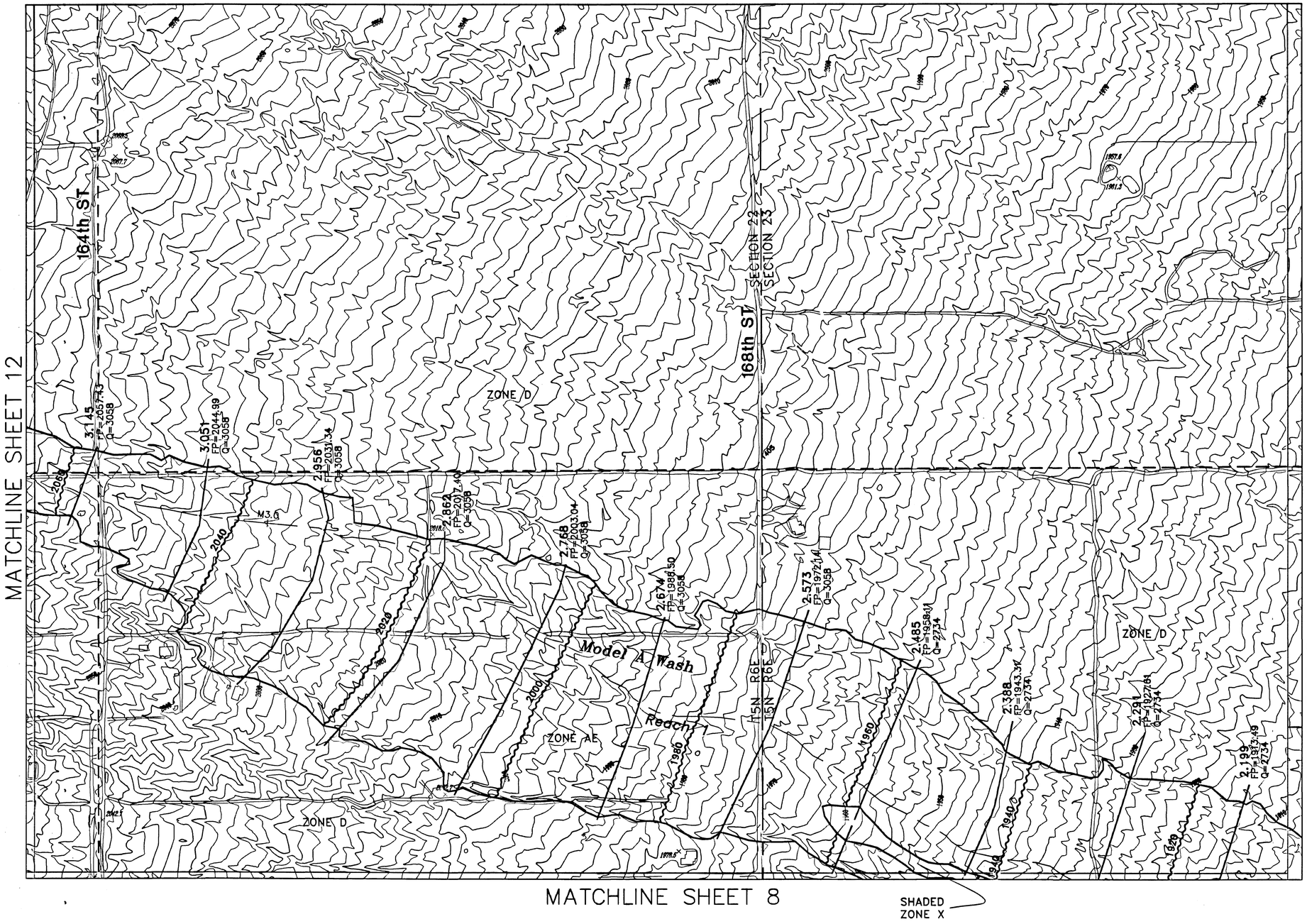
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21



LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

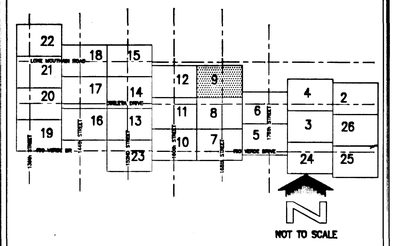
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1401	2127.97	BLM CADASTRAL BC UP 0.9FT QCOR E, T05N, R06E, SEC 21

NOTES

- ● REBAR ▭ IRON BAR
- ◉ BRASS CAP ⊟ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	6/02
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	6/02

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 9 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.
24 Dec 2002

30013 TERI S. GEORGE DATE SIGNED 12/30/02 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14958 THOMAS J. LITE DATE SIGNED 12/30/02 ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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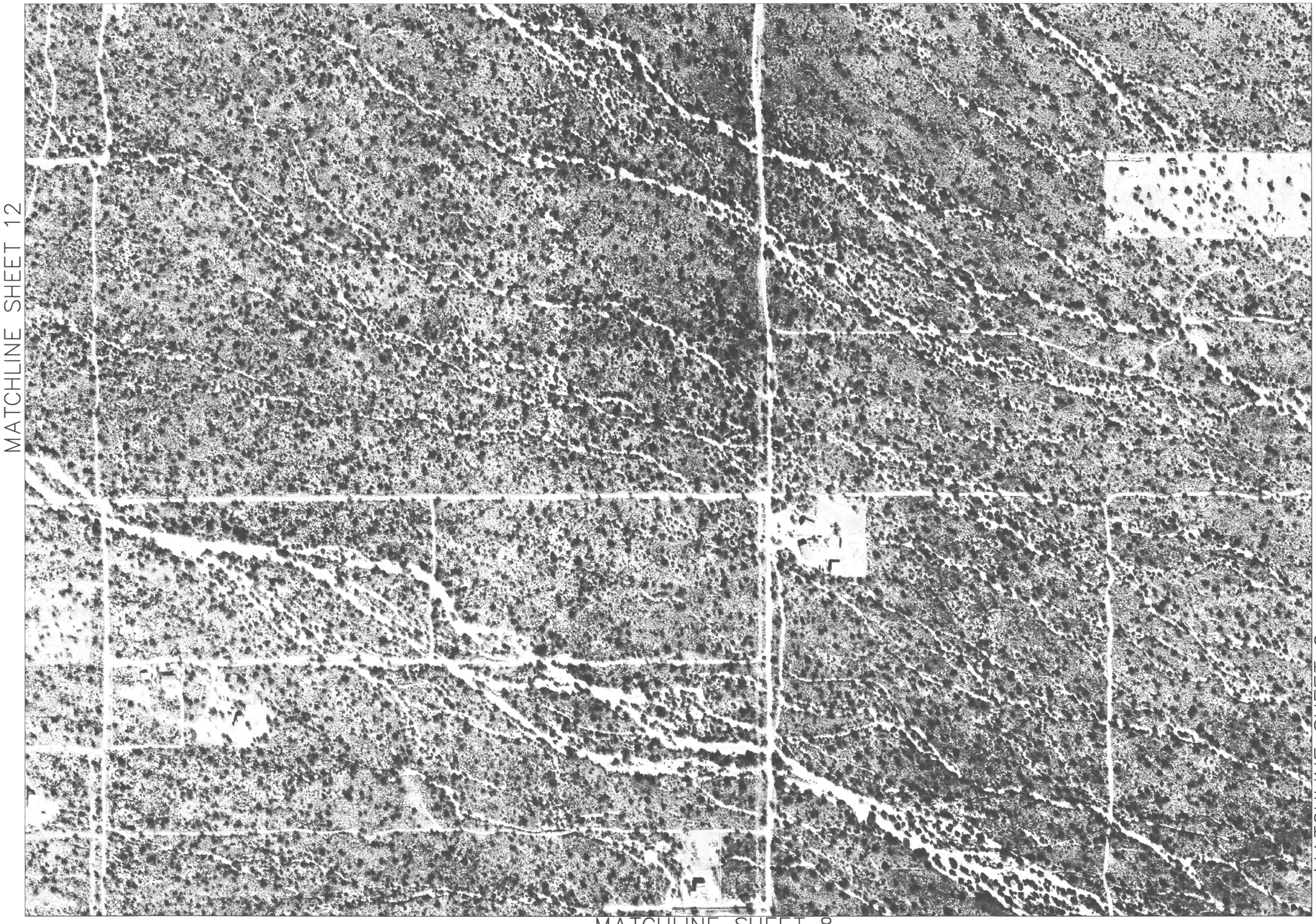
MATCHLINE SHEET 12



MATCHLINE SHEET 6

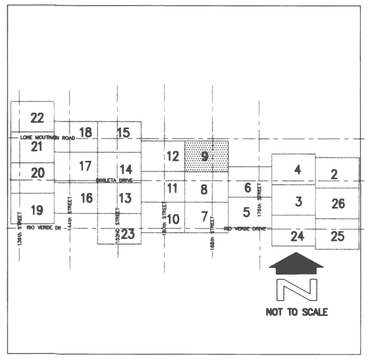
MATCHLINE SHEET 8

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 9 OF 25

MAR10029 sta 10/15/01 13:01:04 sta S:\DRN\MAR10035\CAD\Aerial sheets\M35top09a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 11

MATCHLINE SHEET 13

MATCHLINE SHEET 23

MATCHLINE SHEET 7

KEY:

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2. FP=2117.44 Q=450
3. FP=2122.13 Q=657
4. FP=2117.79 Q=657
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13. FP=2060.18 Q=1147
14. FP=2072.12 Q=1147
15. FP=2081.81 Q=1107
16. FP=2085.38 Q=1107
17. FP=2088.63 Q=1107
18. FP=2060.88 Q=445
19. FP=2049.21 Q=445
20. FP=2114.05 Q=161

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE APPROVED 12/30/02 ARIZONA U.S.A.

24, Dec, 2002

Registered Land Surveyor CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14998 THOMAS J. LUTE Date Signed 1/21/03 ARIZONA U.S.A.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

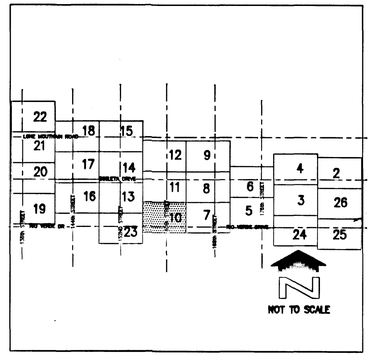
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1434	2091.24	SRP BC IN WASH SCOR SE T05N, R06E, SEC 28
1435	2097.61	BLM CADASTRAL BC UP 0.5FT QCOR E T05N, R06E, SEC 28
1437	2165.70	BLM CADASTRAL BC DOWN 0.6FT QCOR S, T05N, R06E, SEC 28

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 10 OF 26

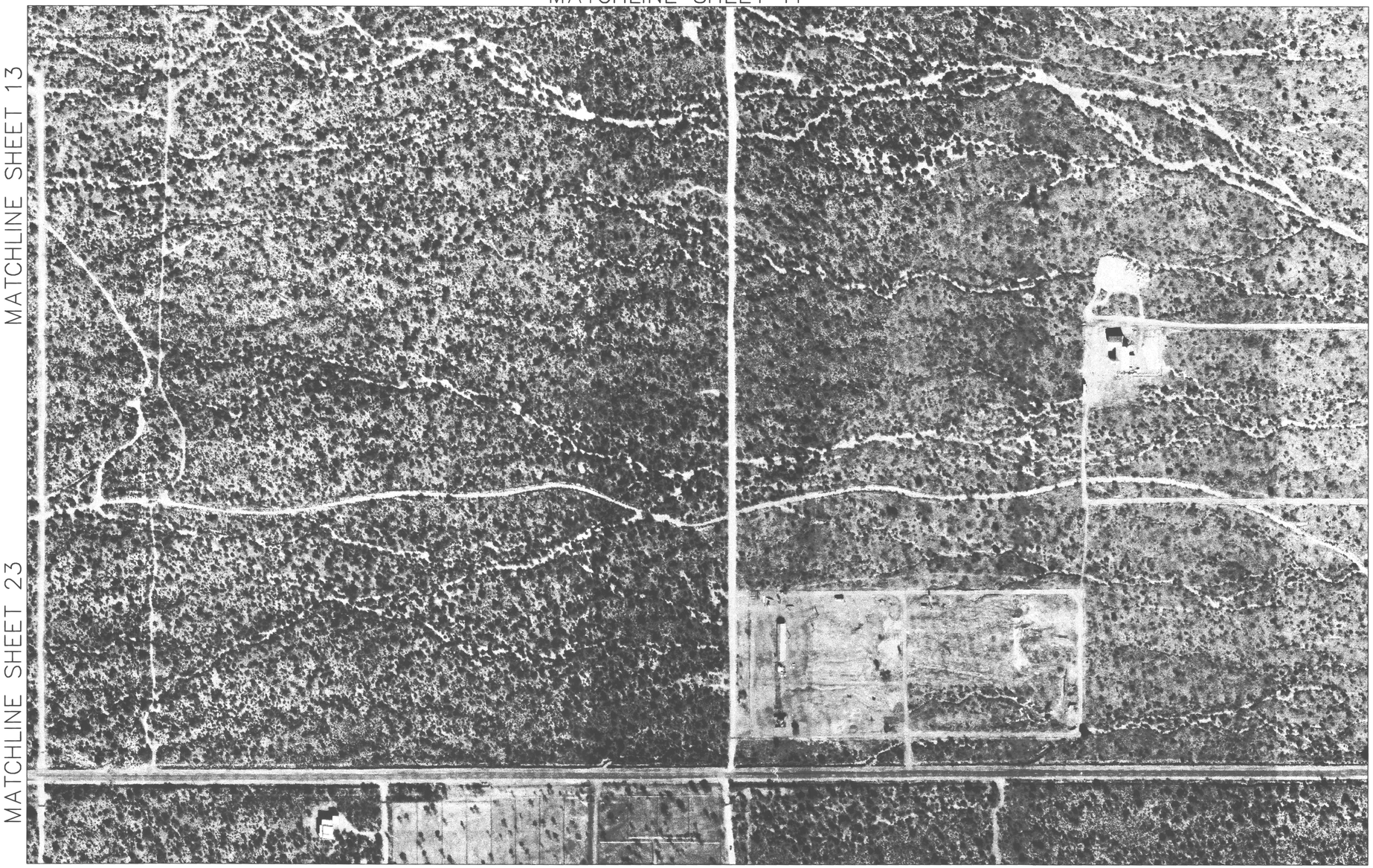
MAR10035 yjy 12/09/02 16:55:29 yjy S:\DRN\MAR10035\CAD\SHEETS\M35top10.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 11

MATCHLINE SHEET 13



MATCHLINE SHEET 23

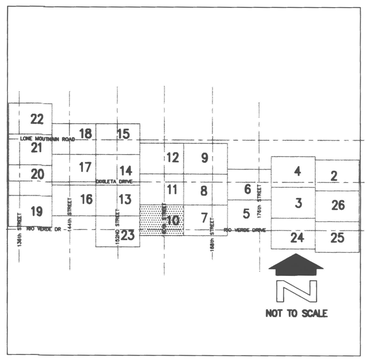
MATCHLINE SHEET 7

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP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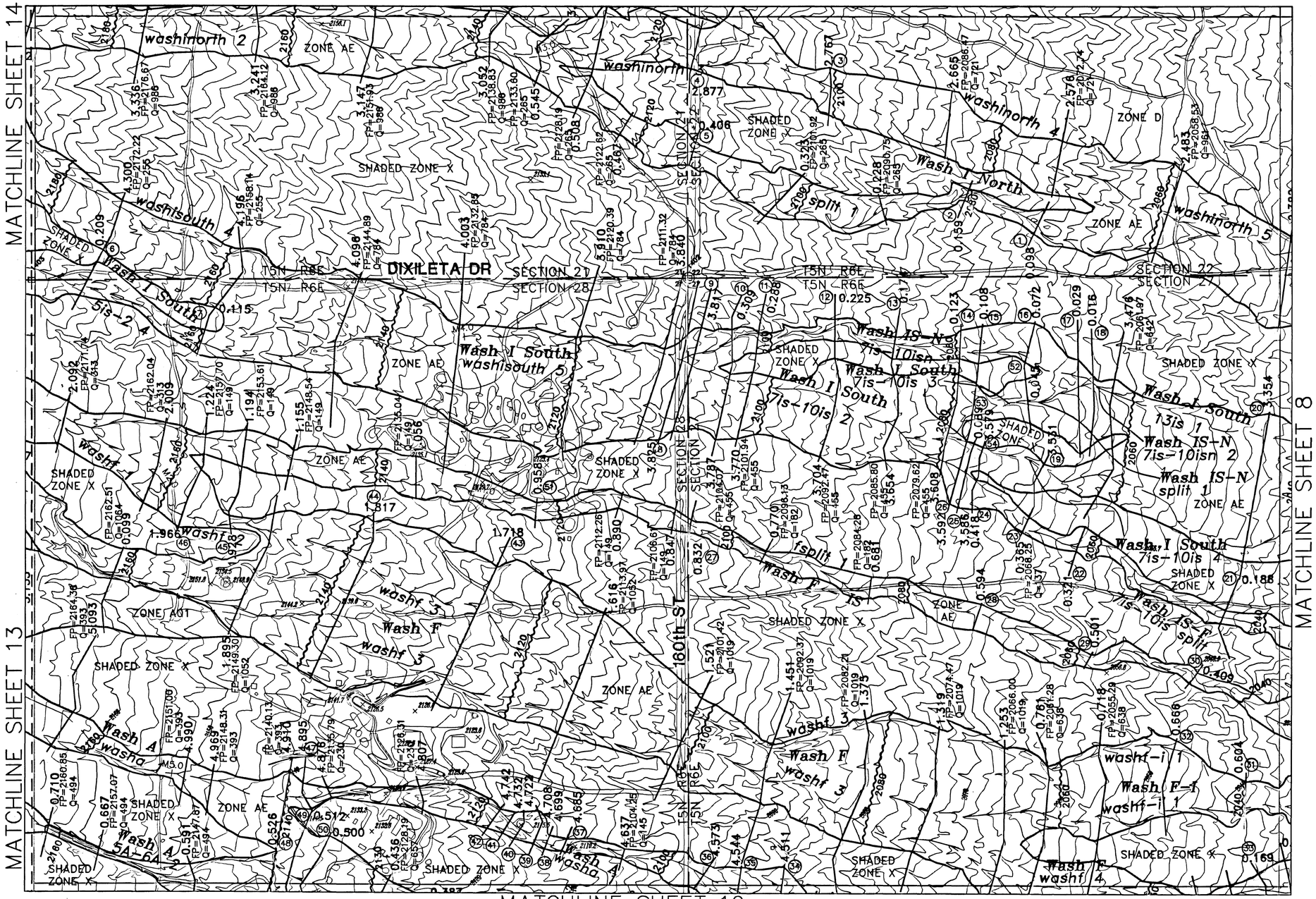
MATCHLINE SHEET 12

MATCHLINE SHEET 14

MATCHLINE SHEET 13

MATCHLINE SHEET 8

MATCHLINE SHEET 10



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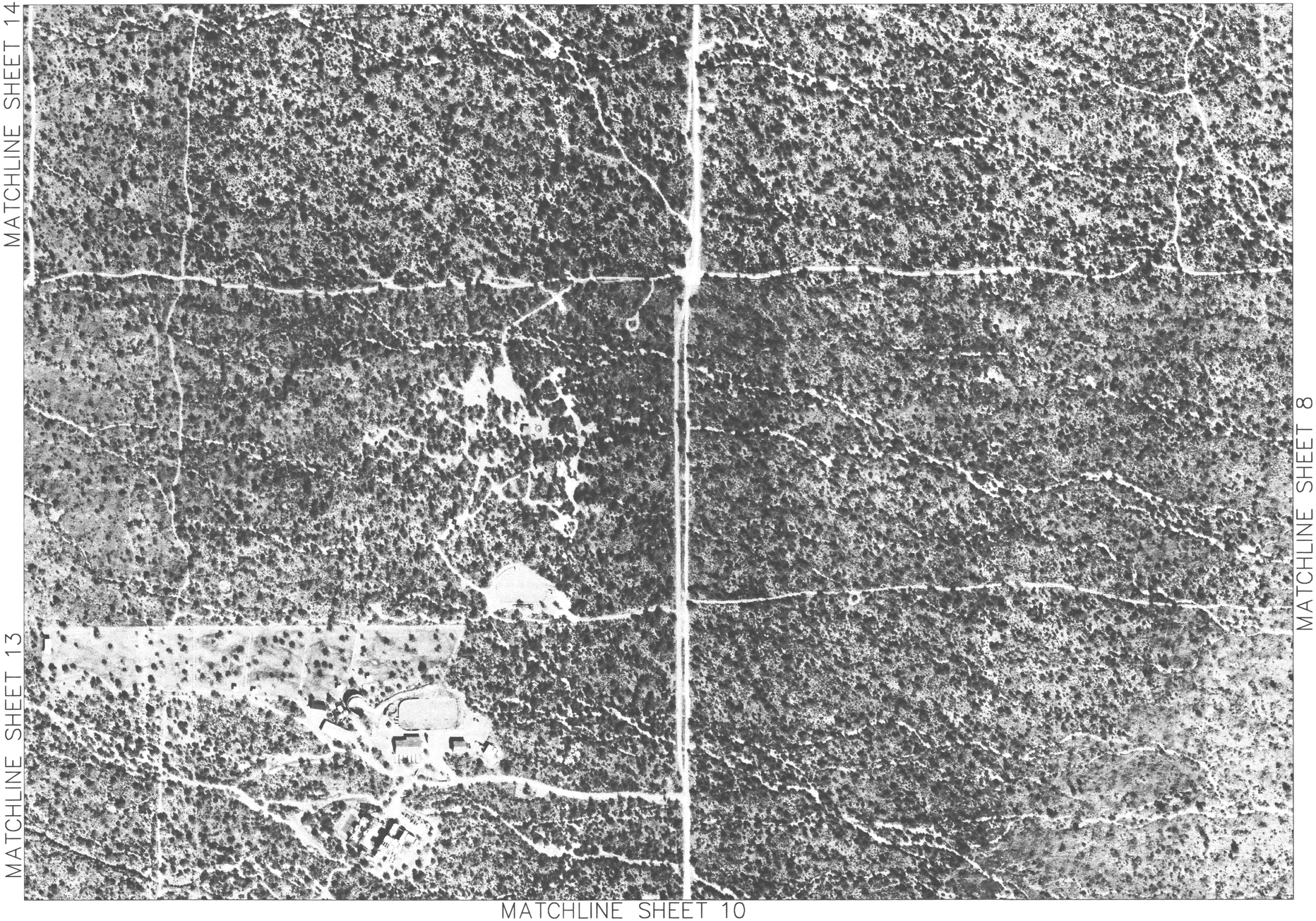
MATCHLINE SHEET 14



MATCHLINE SHEET 13

MATCHLINE SHEET 8

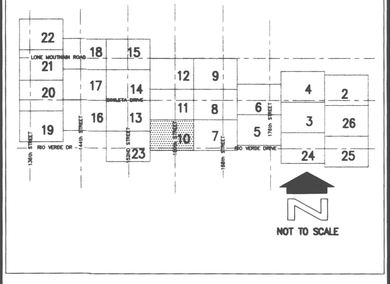
MATCHLINE SHEET 10

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

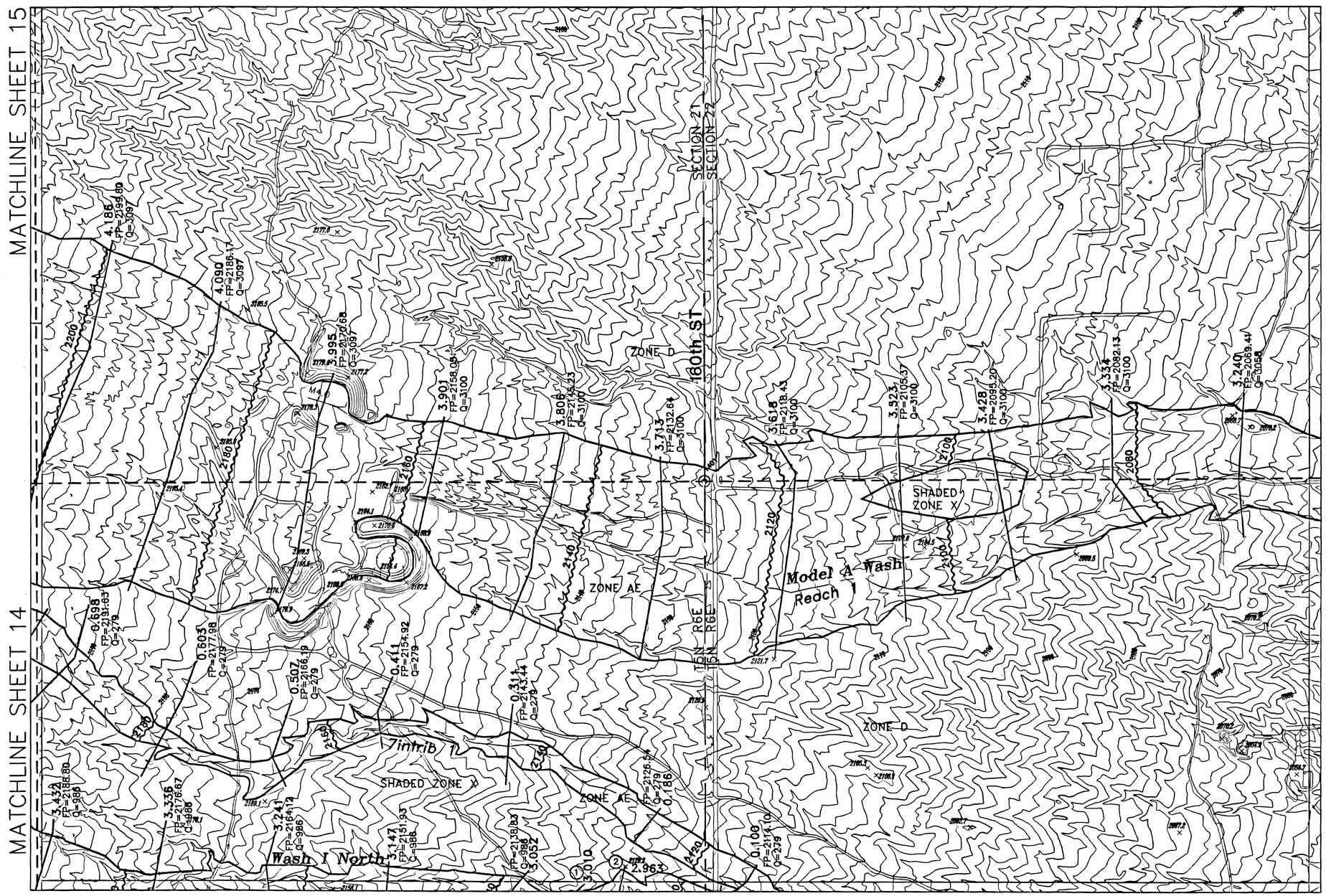
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 11 OF 26

MARI0035 sta 10/15/01 14:45:25 sta S:\DRN\MARI0035\CAD\Aerial sheets\M35top11a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

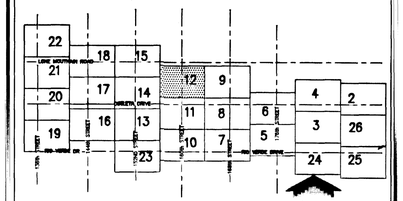
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1401	2127.97	BLM CADASTRAL BC UP 0.9FT QCOR E, T05N, R06E, SEC 21

NOTES

- ● REBAR
- ▢ IRON BAR
- ◉ BRASS CAP
- ⊜ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 12 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A. 24 Dec, 2002

CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 REGISTERED ARIZONA U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14958 THOMAS J. LUTE Date Signed 1/2/03 ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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MATCHLINE SHEET 15

MATCHLINE SHEET 14

MATCHLINE SHEET 9

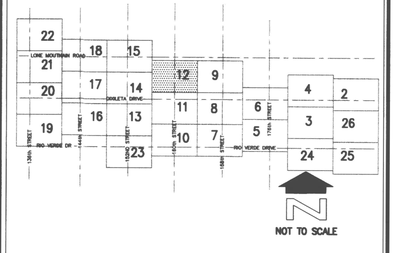
MATCHLINE SHEET 11

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: _____ DATE:

SHEET 12 OF 26

MARI0035 sta 10/15/01 14:51:45 sta S:\DRN\MARI0035\CAD\Aerial sheets\M35top12a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 14

MATCHLINE SHEET 16

MATCHLINE SHEET 11

MATCHLINE SHEET 10

MATCHLINE SHEET 23

SHADED ZONE X

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

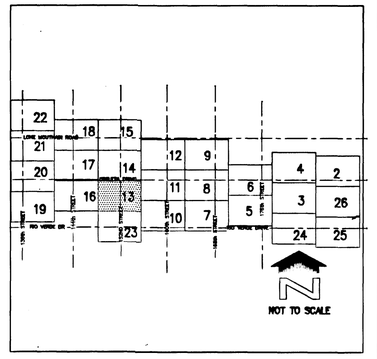
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1439	2235.80	1/2" IRON PIPE POSS. 1/4COR. QCOR E, T05N, R06E, SEC 29

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft.

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

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				㉛ FP=2227.99 Q=113

Professional Engineer (Civil) CERTIFICATE NO. 35980 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

Registered Professional Engineer CERTIFICATE NO. 30013 TERI S. GEORGE DATE SIGNED 12/30/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14956 THOMAS J. LUTE DATE SIGNED 1/3/03 ARIZONA U.S.A.

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	6/02
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	6/02
SUBMITTED BY:		DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 13 OF 26

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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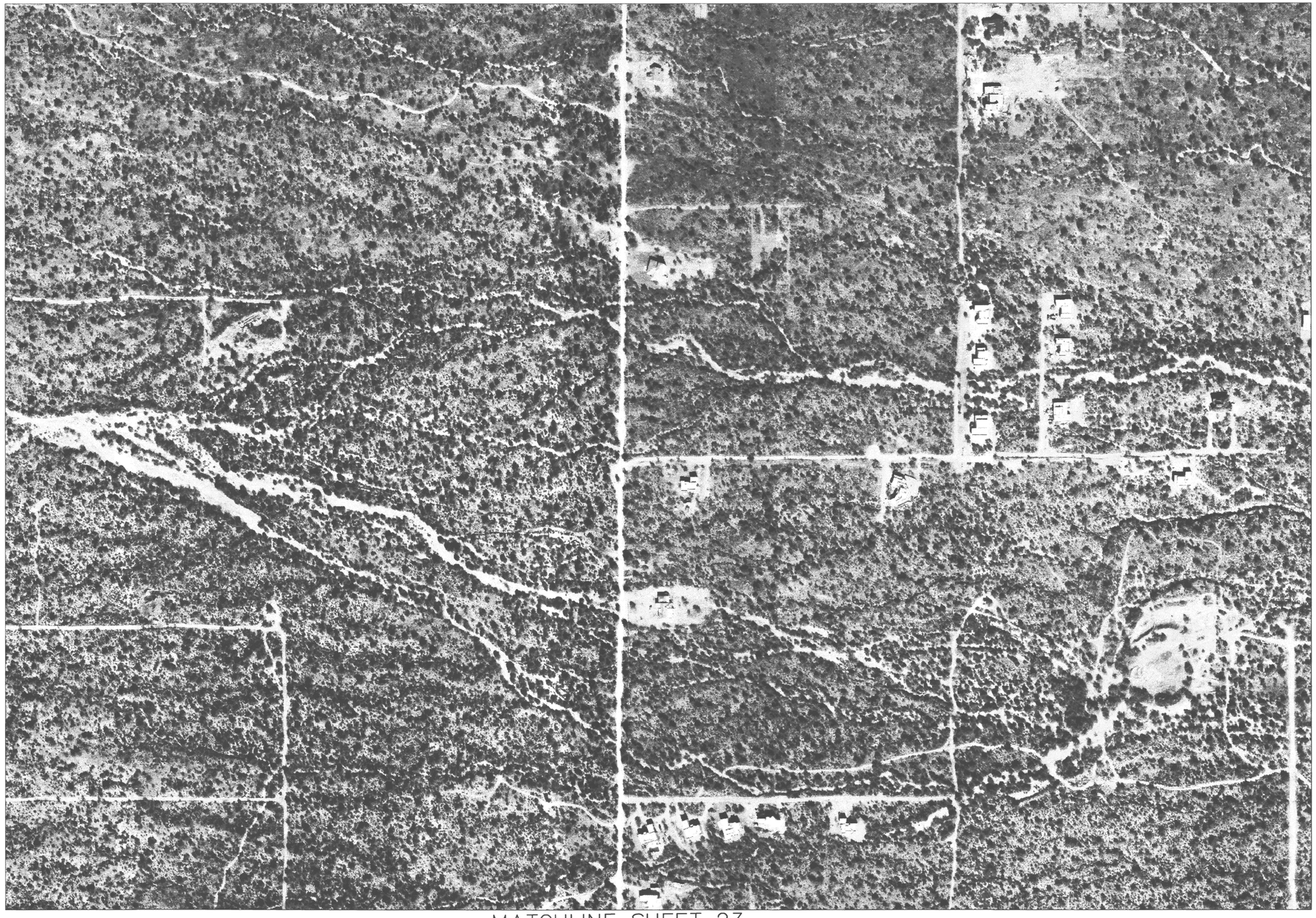
MATCHLINE SHEET 14

MATCHLINE SHEET 16



MATCHLINE SHEET 11

MATCHLINE SHEET 10

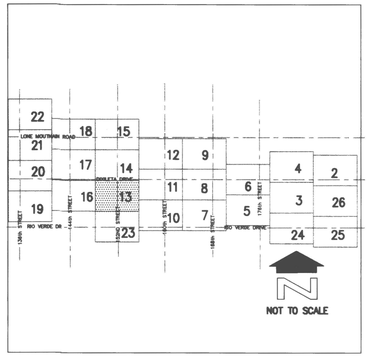
MATCHLINE SHEET 23

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 13 OF 26

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COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

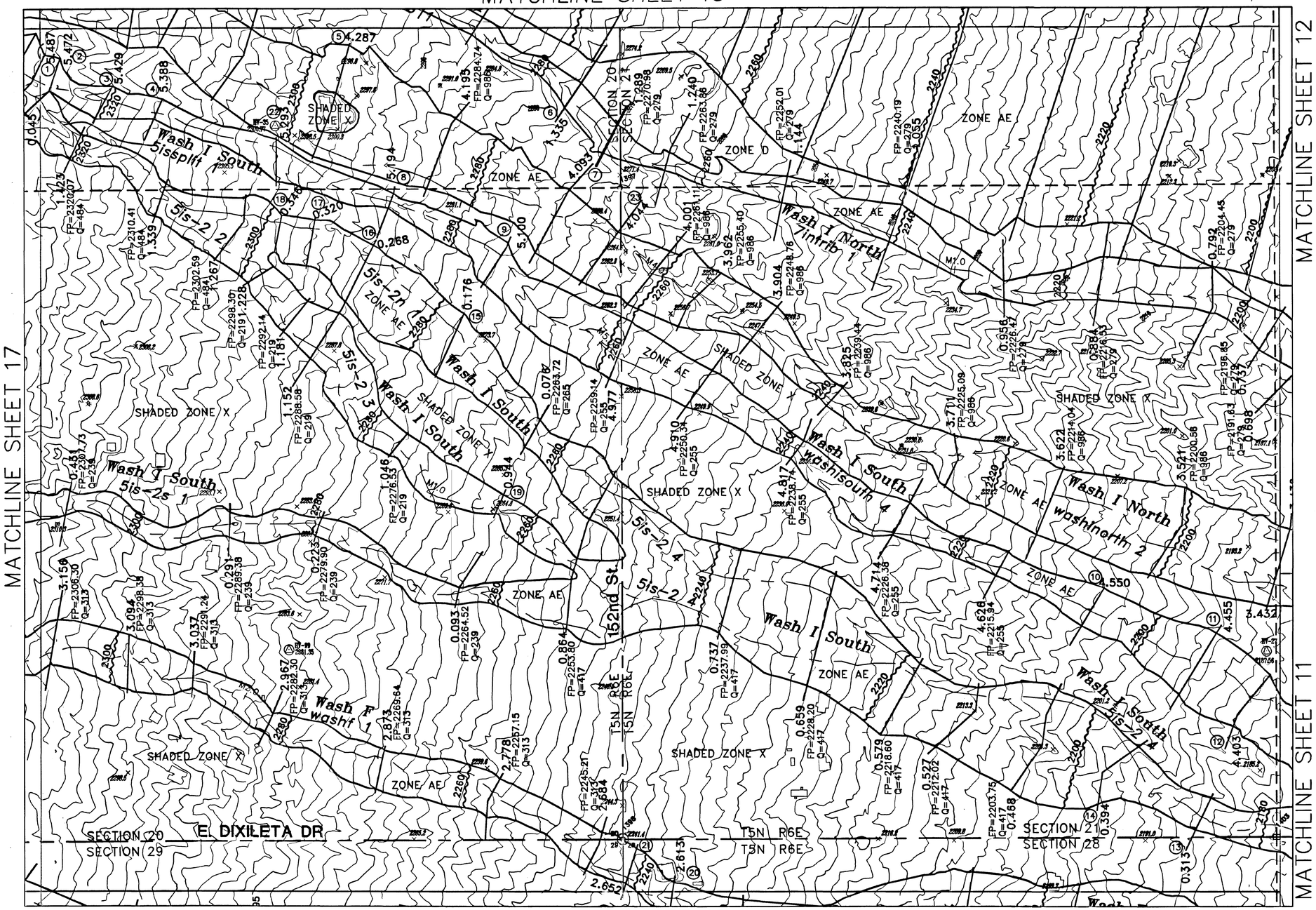
MATCHLINE SHEET 15

MATCHLINE SHEET 17

MATCHLINE SHEET 12

MATCHLINE SHEET 11

MATCHLINE SHEET 13



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Arizona Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA

Registered Land Surveyor CERTIFICATE NO. 14936 THOMAS J. LUTE Date Signed 1/3/03 ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MARI0035 yjy 12/09/02 16:51:17 yjy S:\DRN\MARI0035\CAD\SHEETS\M35top14.dwg

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

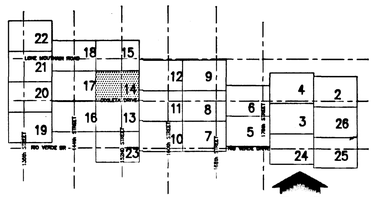
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1397	2268.76	1/2"REBAR LS18214 POSS.1/4COR. QCOR E, T05N, R06E, SEC 20
1398	2241.55	1 1/2" BC DOWN 0.3FT SCOR SE, T05N, R06E, SEC 20
1403	2176.75	1" IRON BAR POSS. 1/4 CORR QCOR S, T05N, R06E, SEC 21

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



NOT TO SCALE

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

MATCHLINE SHEET 15

MATCHLINE SHEET 17

MATCHLINE SHEET 12

MATCHLINE SHEET 11

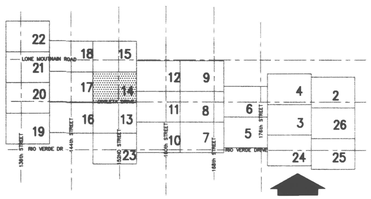
MATCHLINE SHEET 13

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



NOT TO SCALE

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SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 14 OF 26

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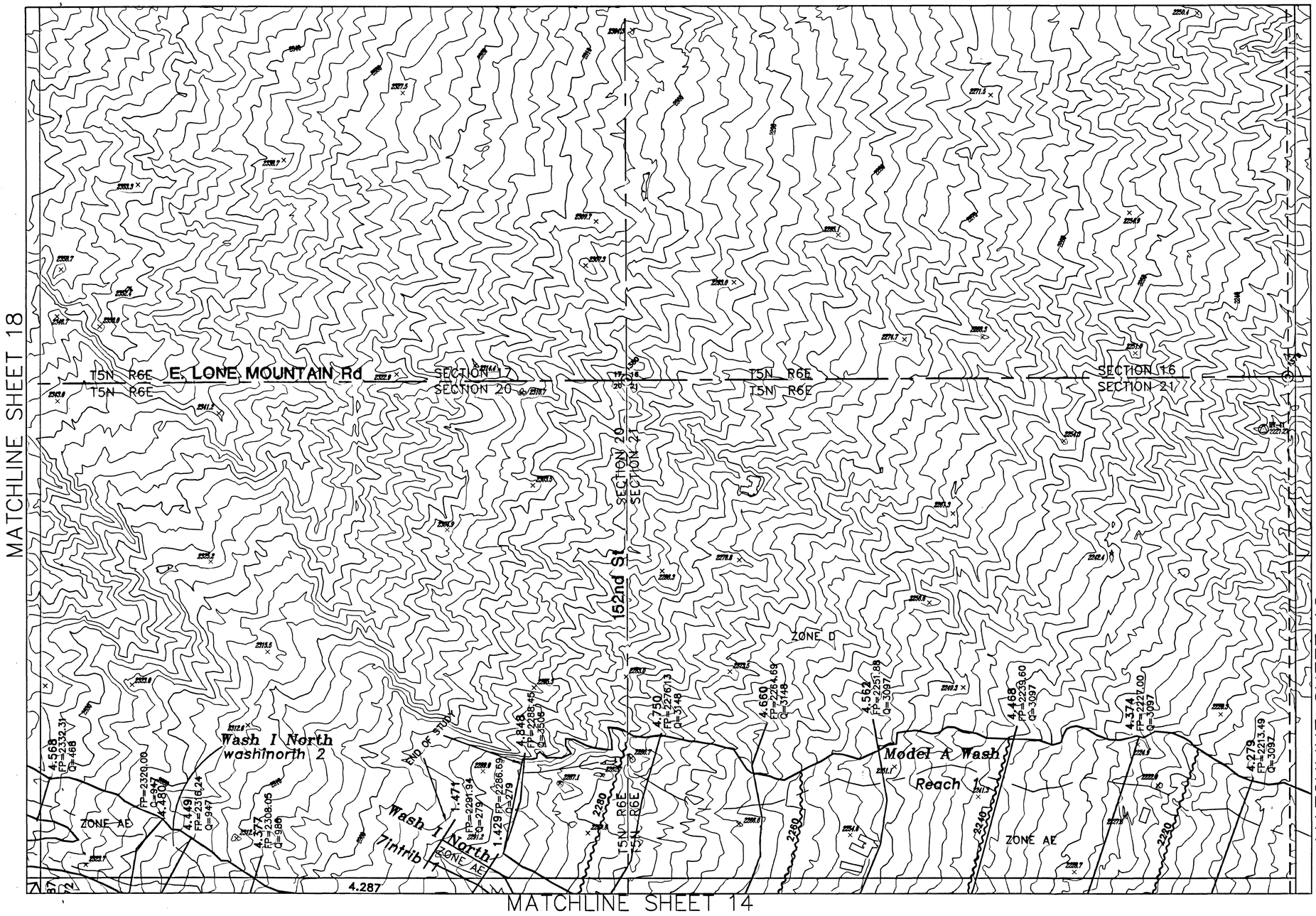
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

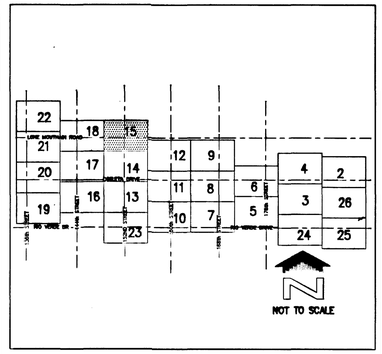
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1380	2294.34	BLM CADASTRAL BC UP 0.3FT QCOR SE T05N, R06E, SEC 17
1379	2232.03	BLM CADASTRAL BC UP 1.1FT QCOR S T05N, R06E, SEC 16

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 15 OF 26

REGISTERED LAND SURVEYOR — 14955 THOMAS J. LUTE — CERTIFICATE NO. — Date Signed 11/29/02 — ARIZONA, U.S.A.

Registered Professional Engineer (Civil) — CERTIFICATE NO. 35880 — HANUMANTHRAJ CHANNARAJ — DATE REVOKED — ARIZONA U.S.A. — 24 Dec, 2002

CERTIFICATE NO. 30013 — TERI S. GEORGE — Date Signed 12/23/02 — ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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MATCHLINE SHEET 18

MATCHLINE SHEET 12

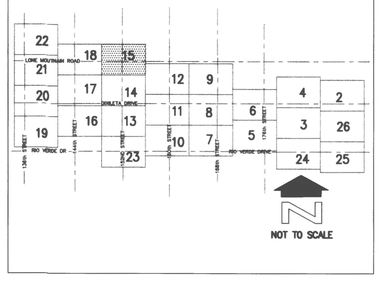
MATCHLINE SHEET 14

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 15 OF 26

MARI0035 sta 10/23/01 18:03:30 sta S:\DRN\MARI0035\CAD\Aerial sheets\M35top15a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 17

MATCHLINE SHEET 20

MATCHLINE SHEET 19

MATCHLINE SHEET 13

SHADED ZONE X

ZONE AE

ZONE D

Blackhill Wash

Wash A South

Blackhill Wash S

Blackhill Wash 12B 1

144th STREET

SECTION 29

SECTION 30

CULVERT #13

CULVERT #14

T5N R6E

T4N R6E

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

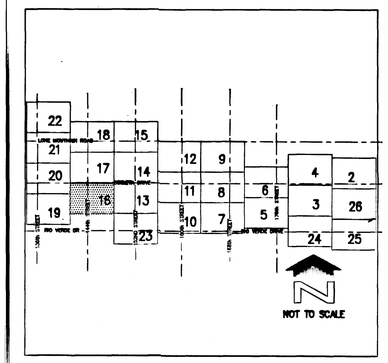
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1443	2367.66	BLM CADASTRAL BC FLUSH QCOR E, T05N, R06E, SEC 30

NOTES

- REBAR
- IRON BAR
- BRASS CAP
- ALUMINUM CAP
- STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/DSB/YJY	06/02
DESIGN CHK.	TSG	6/02
PLANS	TJCL/DSB/YJY	06/02
PLANS CHK.	TSG	6/02

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 16 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ Date Signed 12/30/02 ARIZONA, U.S.A.

Registered Land Surveyor CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14699 THOMAS J. LUTE Date Signed 12/26/02 ARIZONA, U.S.A.

ZA Dec 2002

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1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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MATCHLINE SHEET 17

MATCHLINE SHEET 20

MATCHLINE SHEET 19

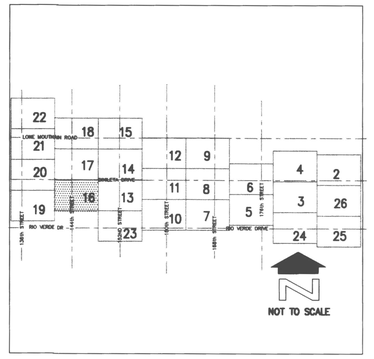
MATCHLINE SHEET 13

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 16 OF 26

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COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 18

MATCHLINE SHEET 21

MATCHLINE SHEET 20

MATCHLINE SHEET 14

MATCHLINE SHEET 16

SHADED ZONE X

ZONE AE

Wash I South

Wash F 1N

Wash F 1S

Wash A South

144th ST

DIXILETA Dr.

T5N R6E

SECTION 19

SECTION 30

SECTION 20

SECTION 29

CULVERT #4

CULVERT #5

CULVERT #6

CULVERT #8

CULVERT #10

CULVERT #11

CULVERT #12

END OF STUDY

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10. FP=2369.91 Q=198
11. FP=2355.84 Q=198
12. FP=2343.67 Q=198
13. FP=2331.35 Q=198

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

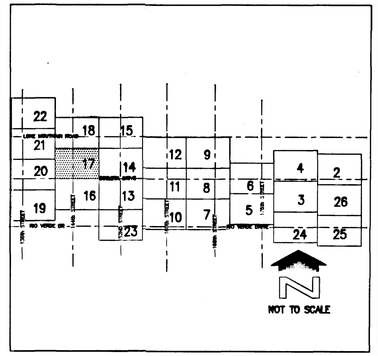
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1391	2406.40	STONE POSS. 1/4 COR. QCOR E, T05N, R06E, SEC 19
1392	2384.68	1/2" REBAR POSS. SEC. COR. SCOR SE, T05N, R06E, SEC 19
1399	2312.56	BLM CADASTRAL BC FLUSH QCOR S T05N, R06E, 20

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB/YJY	05/02
DESIGN CHK.	TSG	8/02
PLANS	TJCL/GSB/YJY	06/02
PLANS CHK.	TSG	8/02
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 17 OF 26

REGISTERED PROFESSIONAL ENGINEER (CIVIL) CERTIFICATE NO. 35980 HANUMANTHRAJ CHANNARAJU DATE SIGNED 12/3/02 ARIZONA, U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14859 THOMAS J. LUTE DATE SIGNED 12/3/02 ARIZONA, U.S.A.

30013 TERI S. GEORGE DATE SIGNED 12/3/02 ARIZONA, U.S.A.

2 A Dec, 2002

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MATCHLINE SHEET 18

MATCHLINE SHEET 21

MATCHLINE SHEET 20

MATCHLINE SHEET 14

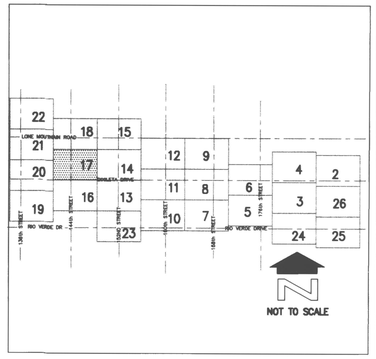
MATCHLINE SHEET 16

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

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DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 17 OF 26

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COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 22

MATCHLINE SHEET 21

MATCHLINE SHEET 15

MATCHLINE SHEET 17

T5N R6E

SECTION 18

SECTION 17

SECTION 19

SECTION 20

E. LONE MOUNTAIN Rd

144th ST

ZONE AE

ZONE D

SHADED ZONE X

Wash I North
washinorth 1

Wash I North
6in5is

Wash I South
washisouth 2

Wash I South
washisouth 3

CULVERT #1

CULVERT #2

CULVERT #3

M5.0

M6.0

KEY:

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Q=488

② FP=2333.84
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③ FP=2344.45
Q=922

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

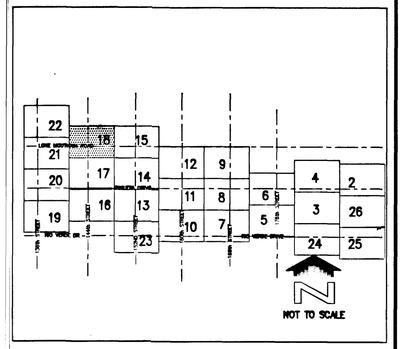
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1383	2354.26	BLM CADASTRAL BC UP 1.2FT
1384	2417.70	BLM CADASTRAL BC UP 0.3FT

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/CSB/YJY	06/02
DESIGN CHK.	TSG	6/02
PLANS	TJCL/CSB/YJY	06/02
PLANS CHK.	TSG	6/02
SUBMITTED BY:	DATE	

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 18 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

30013 TERI S. GEORGE DATE SIGNED 12/30/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14959 THOMAS J. LUTE DATE SIGNED 12/30/02 ARIZONA, U.S.A.

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DAVID EVANS AND ASSOCIATES
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MATCHLINE SHEET 22

MATCHLINE SHEET 21

MATCHLINE SHEET 15

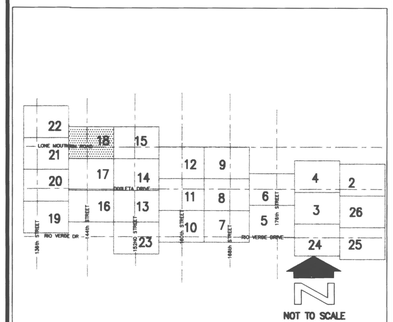
MATCHLINE SHEET 17

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 18 OF 26

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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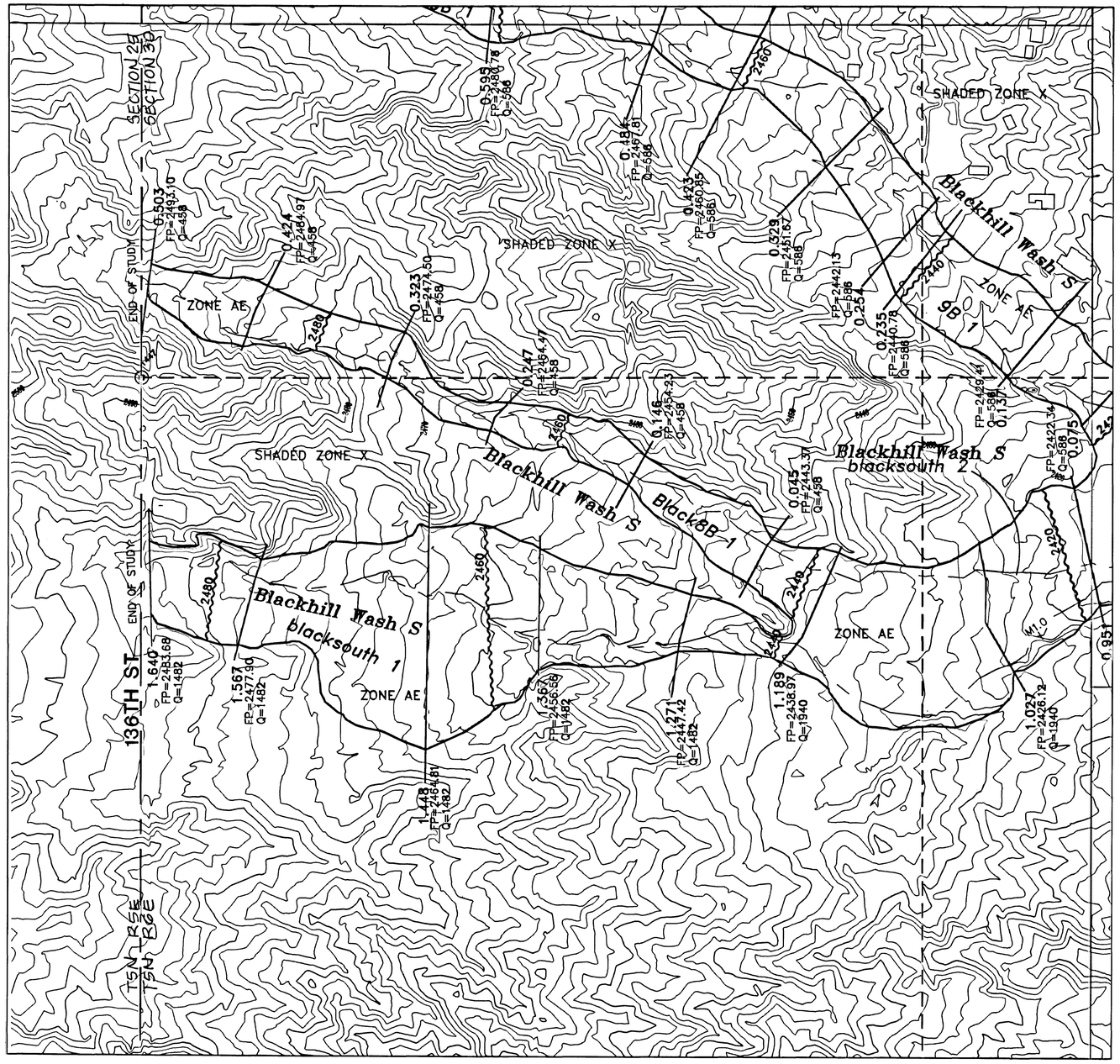
MATCHLINE SHEET 20



MATCHLINE SHEET 16

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID FP=100 YR WSE Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

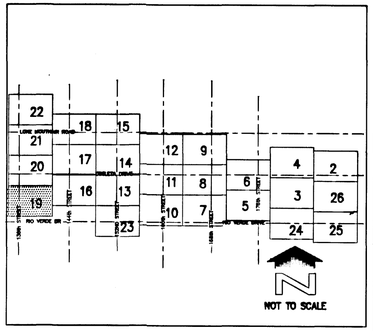
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1447	2497.14	USGLO BC UP 1.2FT

NOTES

- REBAR
- IRON BAR
- BRASS CAP
- ALUMINUM CAP
- STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB/YJY	06/02
DESIGN CHK.	TSG	6/02
PLANS	TJCL/GSB/YJY	06/02
PLANS CHK.	TSG	6/02
SUBMITTED BY:		DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 19 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

TERI S. GEORGE 30013 Registered Professional Engineer DATE SIGNED 12/30/02 ARIZONA U.S.A.

REGISTERED LAND SURVEYOR 14958 THOMAS J. LUTE DATE Signed 1/7/03 ARIZONA, U.S.A.

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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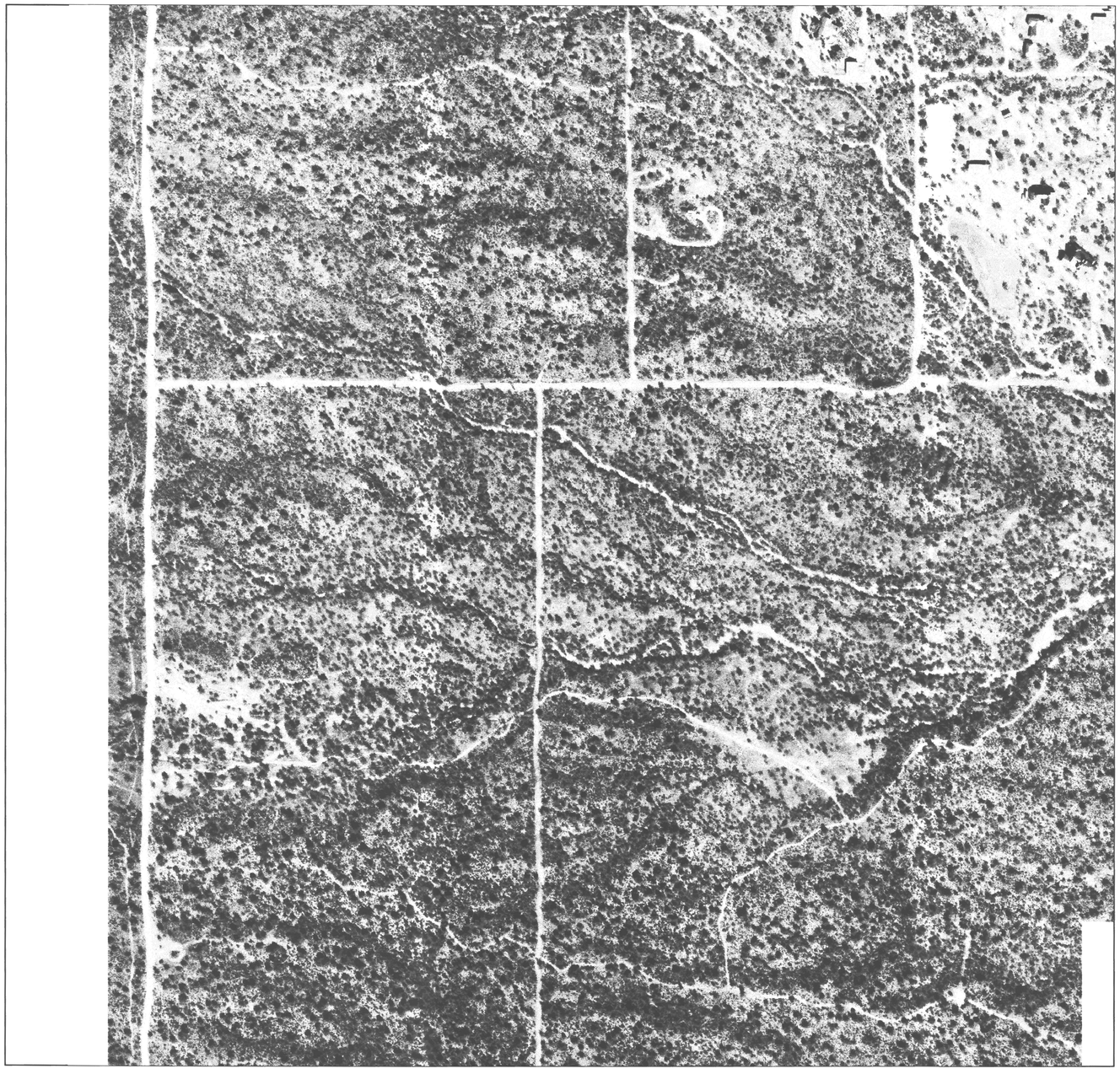
MATCHLINE SHEET 20



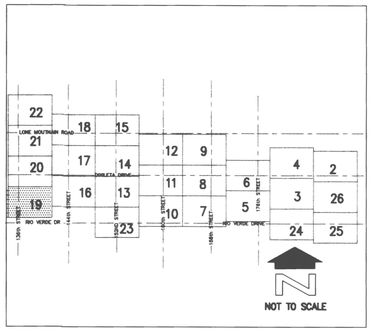
MATCHLINE SHEET 16

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 19 OF 26

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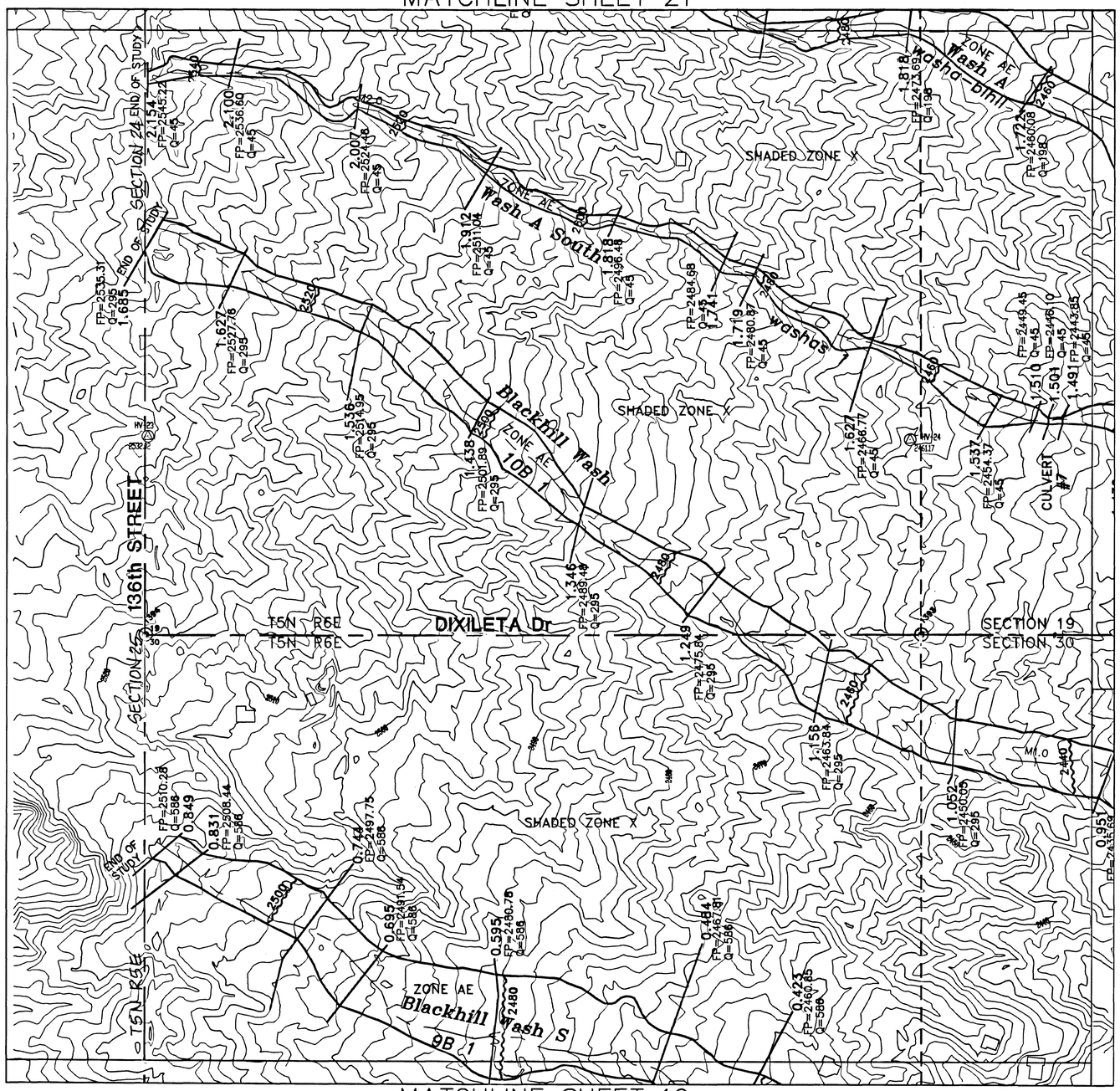
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 21



MATCHLINE SHEET 17

MATCHLINE SHEET 16

MATCHLINE SHEET 19

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

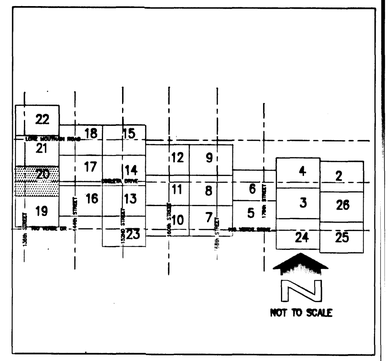
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1393	2455.40	BLM CADASTRAL BC UP 0.6FT QCOR E, T05N, R06E, SEC 19
1394	2520.03	USGLO BC UP 2FT SCOR SW, T05N, R06E, SEC 19

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB/YJY	06/02
DESIGN CHK.	TSG	7/02
PLANS	TJCL/GSB/YJY	06/02
PLANS CHK.	TSG	7/02
SUBMITTED BY:		DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 20 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA, U.S.A.

24 Dec, 2002

CERTIFICATE NO. 30013 TERI S. GEORGE DATE SIGNED 12/23/02 ARIZONA, U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14956 THOMAS J. LUTE Date Signed 12/23/02 ARIZONA, U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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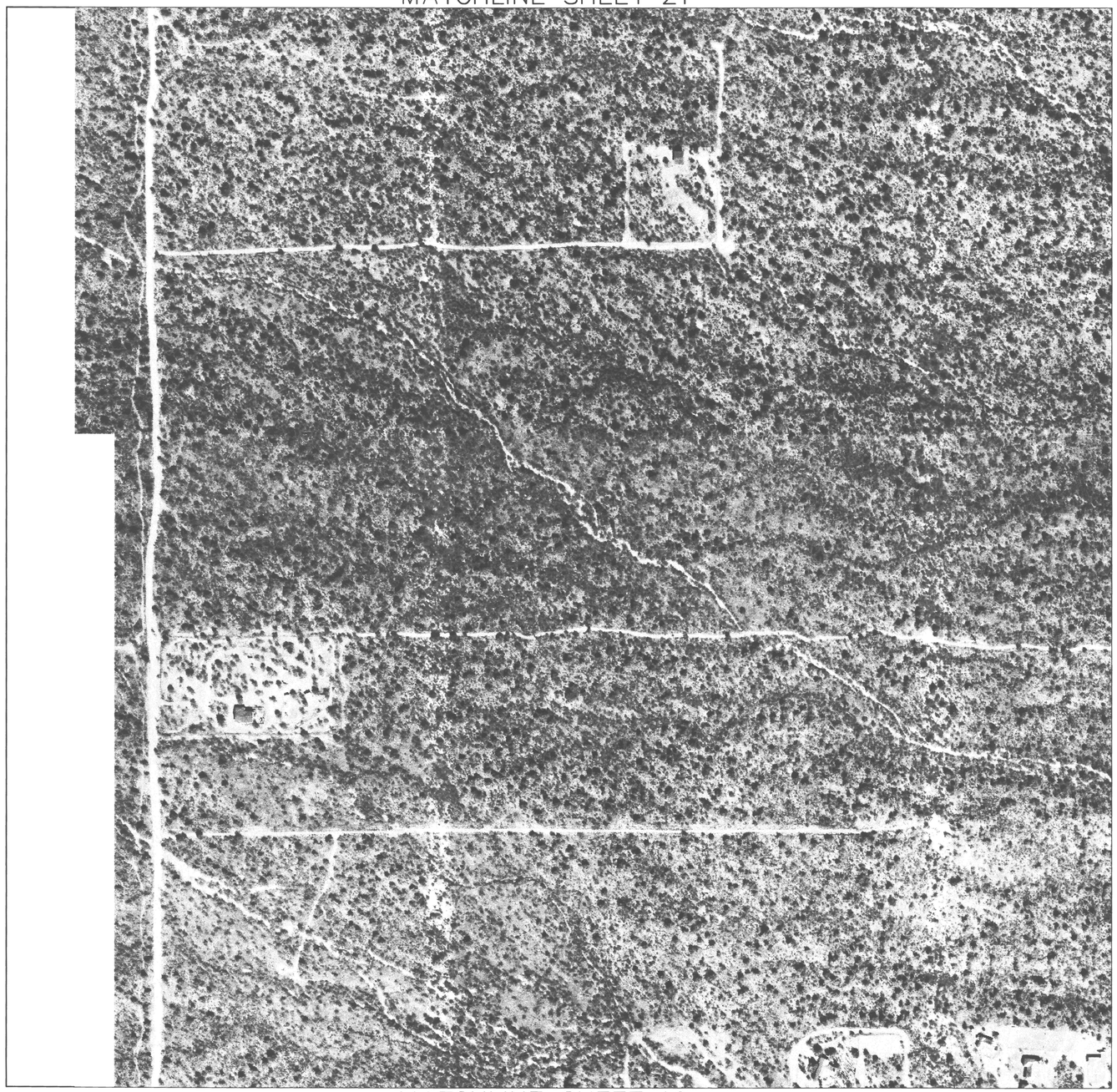
MATCHLINE SHEET 21



MATCHLINE SHEET 17

MATCHLINE SHEET 16

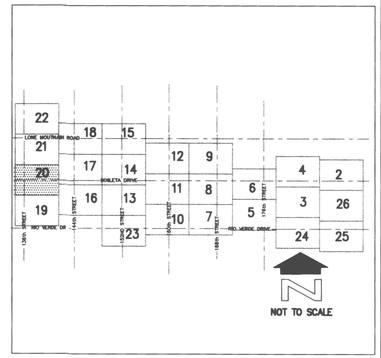
MATCHLINE SHEET 19

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 20 OF 26

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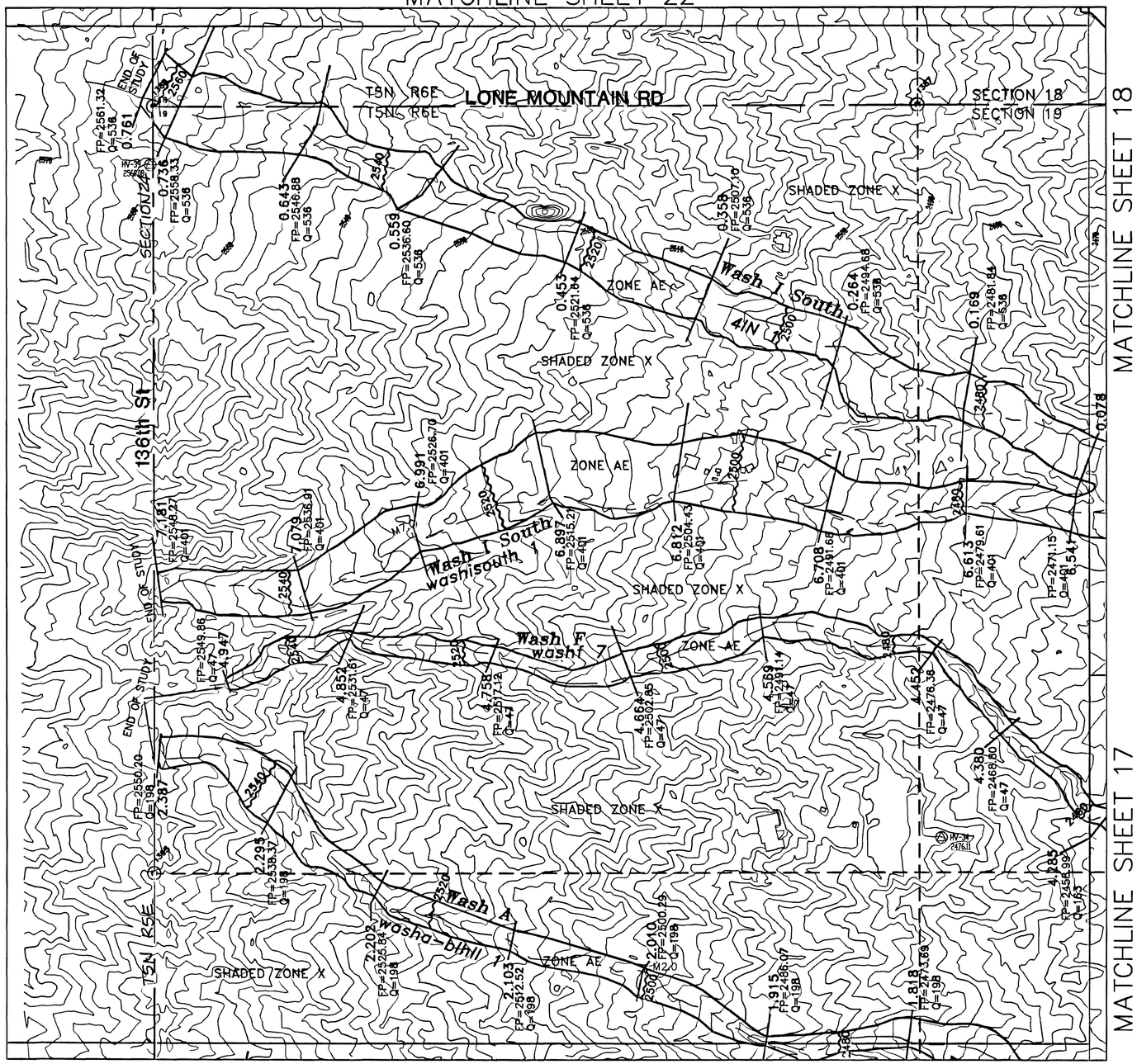
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 22



MATCHLINE SHEET 20

MATCHLINE SHEET 17

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

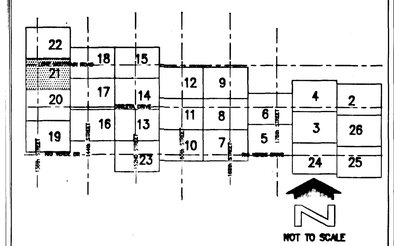
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1387	2489.19	BLM CADASTRAL BC UP 0.4FT QCOR S, T05N, R06E, SEC 18
1388	2561.88	USGLO BC UP 1.2FT SCOR SW, T05N, R06E, SEC 18
1395	2549.48	USGLO BC UP 1.7FT QCOR W, T05N, R06E, SEC 19

NOTES

- ● REBAR
- ◻ IRON BAR
- ◉ BRASS CAP
- ⊟ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJC/GSB/YJY	06/02
DESIGN CHK.	TSG	07/02
PLANS	TJC/GSB/YJY	06/02
PLANS CHK.	TSG	07/02

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 21 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

30013 TERI S. GEORGE REGISTERED LAND SURVEYOR ARIZONA U.S.A. 01/30/03

REGISTERED LAND SURVEYOR 14999 THOMAS J. LUTE ARIZONA, U.S.A. Date Signed 1/29/03

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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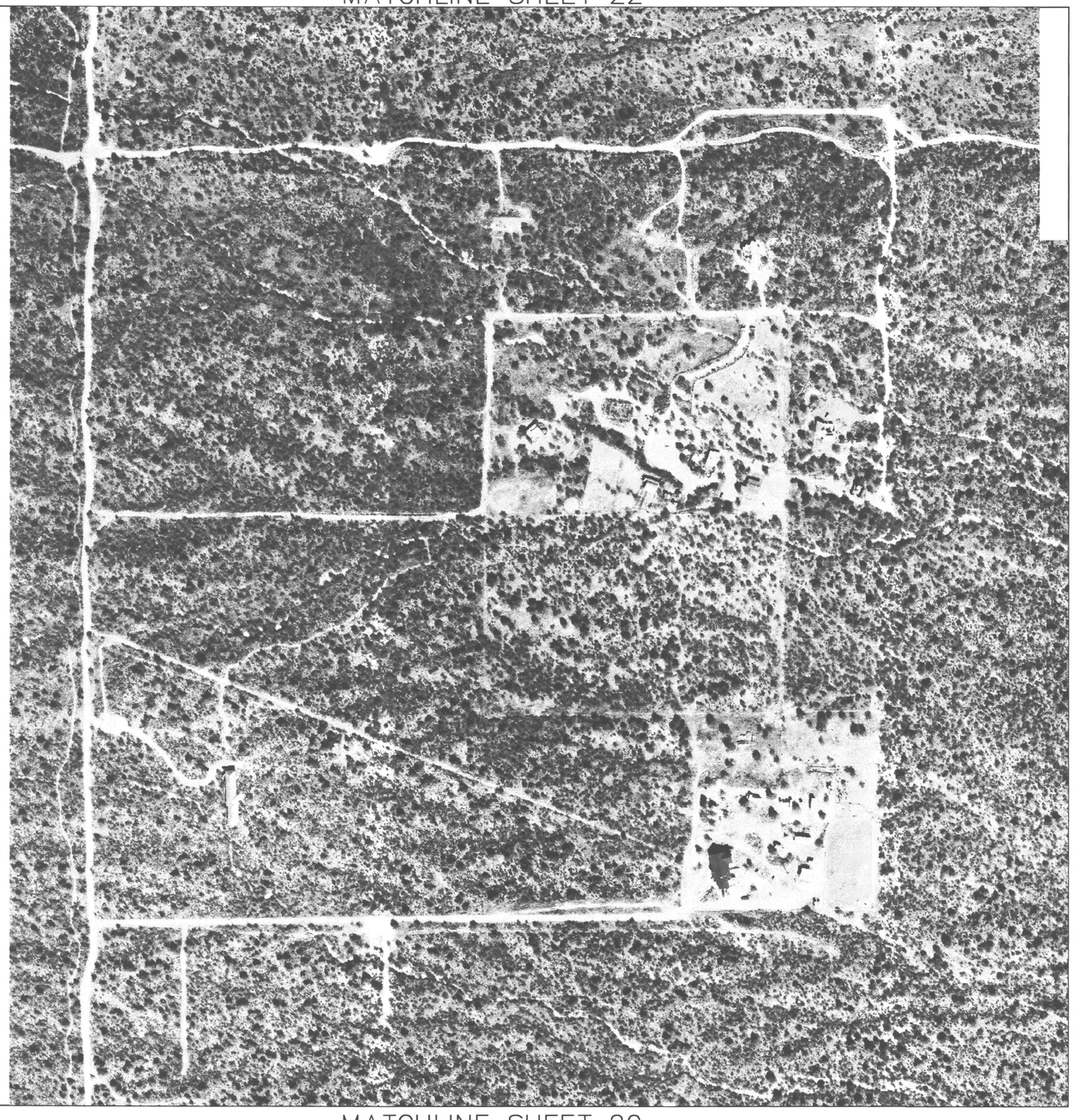
MATCHLINE SHEET 22



MATCHLINE SHEET 18

MATCHLINE SHEET 17

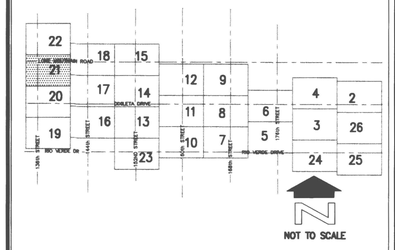
MATCHLINE SHEET 20

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCLGSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCLGSB	07/01
PLANS CHK.	FCDMC	09/01
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 21 OF 26

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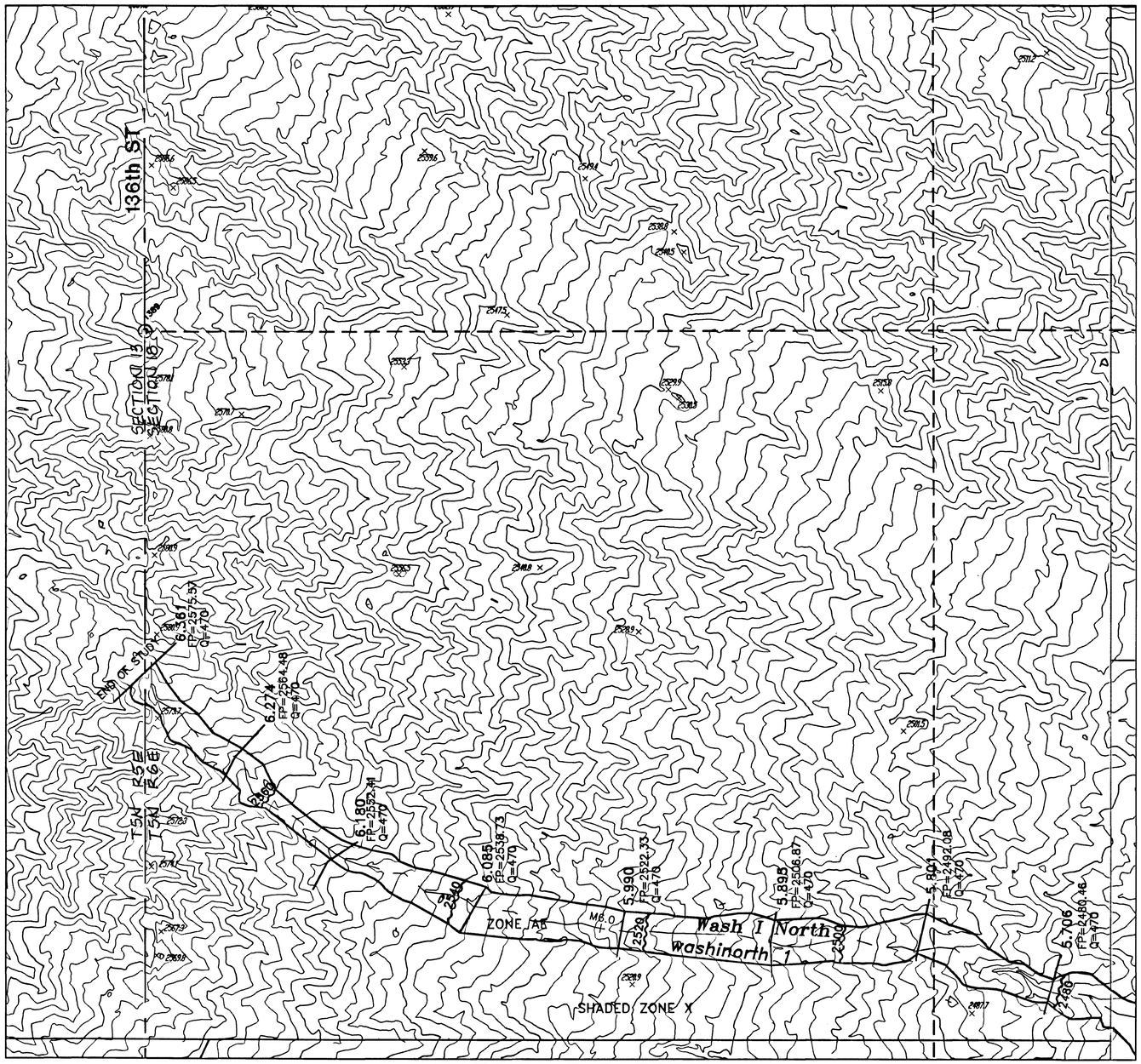
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

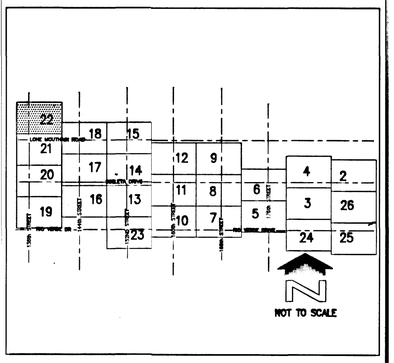
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1389	2561.88	USGLO BC UP 1FT QCOR W, T05N, R06E, SEC 18

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/DSB/YJY	06/02
DESIGN CHK.	TSG	06/02
PLANS	TJCL/DSB/YJY	06/02
PLANS CHK.	TSG	06/02

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 22 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35680 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec 2002

Registered Land Surveyor CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14656 THOMAS J. LUTE Date Signed 1/24/03 ARIZONA U.S.A.

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

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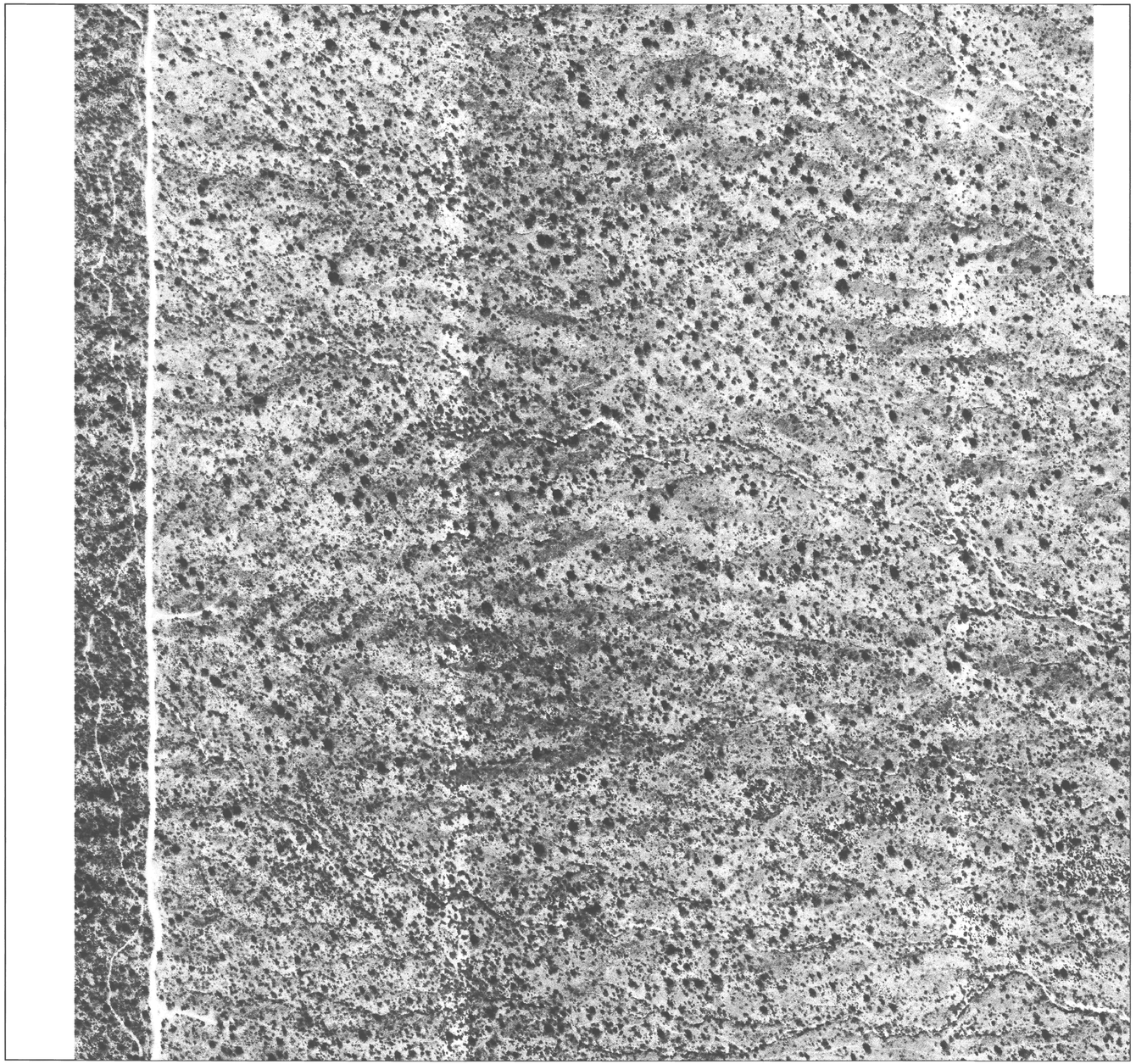


MATCHLINE SHEET 18

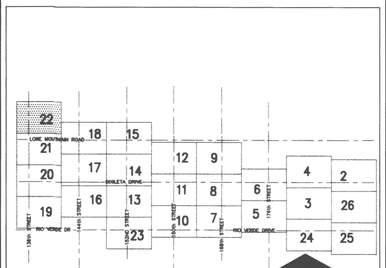
MATCHLINE SHEET 21

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

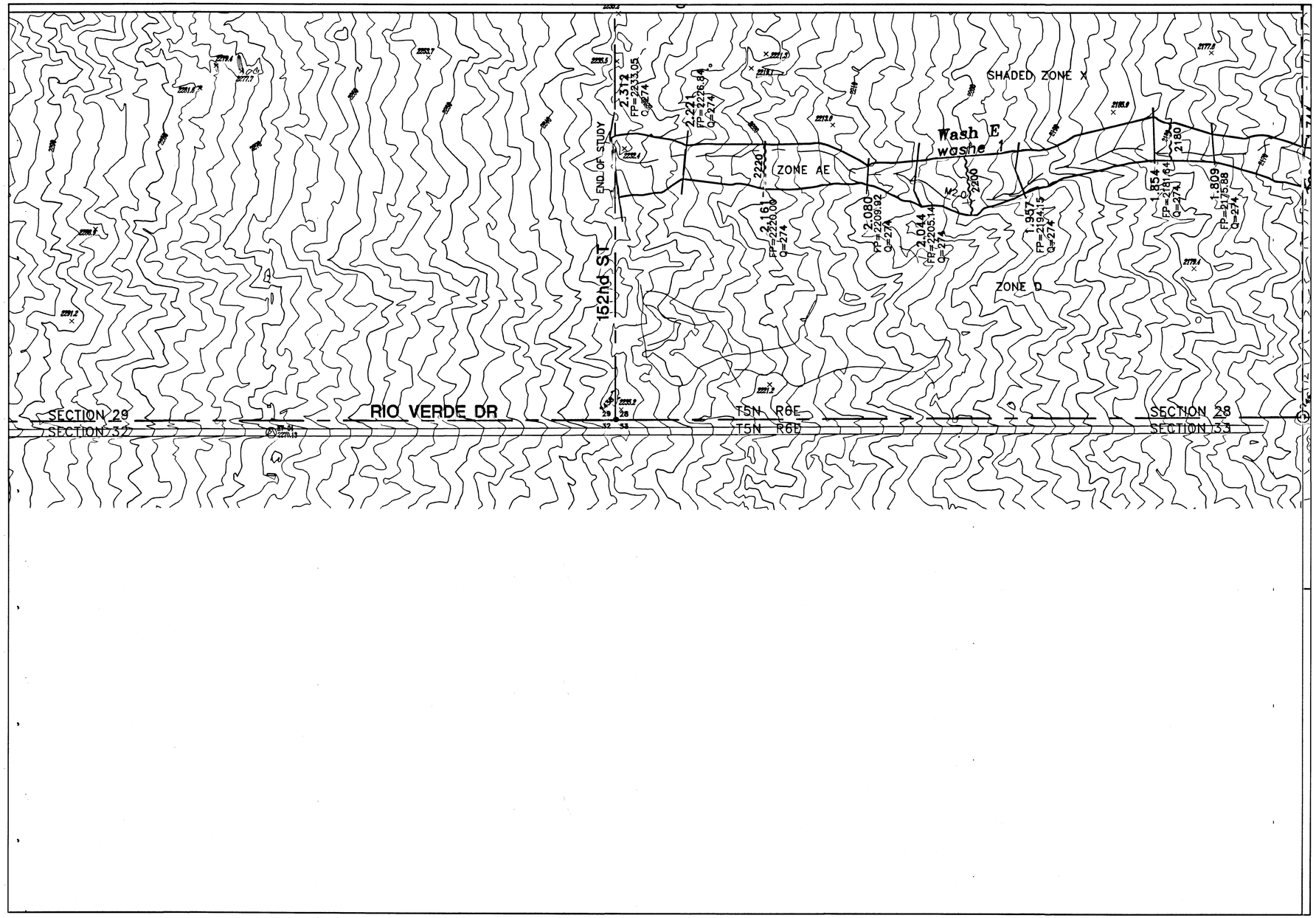
SHEET 22 OF 26

MAR10035 sta 10/16/01 13:03:14 sta S:\DRN\MAR10035\CAD\Aerial sheets\M35top22a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 13



MATCHLINE SHEET 10

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

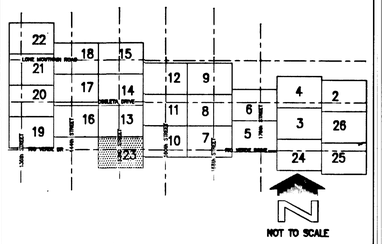
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1437	2165.70	BLM CADASTRAL BC DOWN 0.6FT QCOR S, T05N, R06E, SEC 28
1438	2234.69	1/2"REBAR POSS. SEC COR. SCOR SE, T05N,R05E,SEC 29

NOTES

- ● REBAR
- □ IRON BAR
- ◉ BRASS CAP
- ⊜ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL =2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	12/01
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	12/01

SUBMITTED BY: DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 23 OF 26

Registered Professional Engineer (Firm) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA U.S.A.

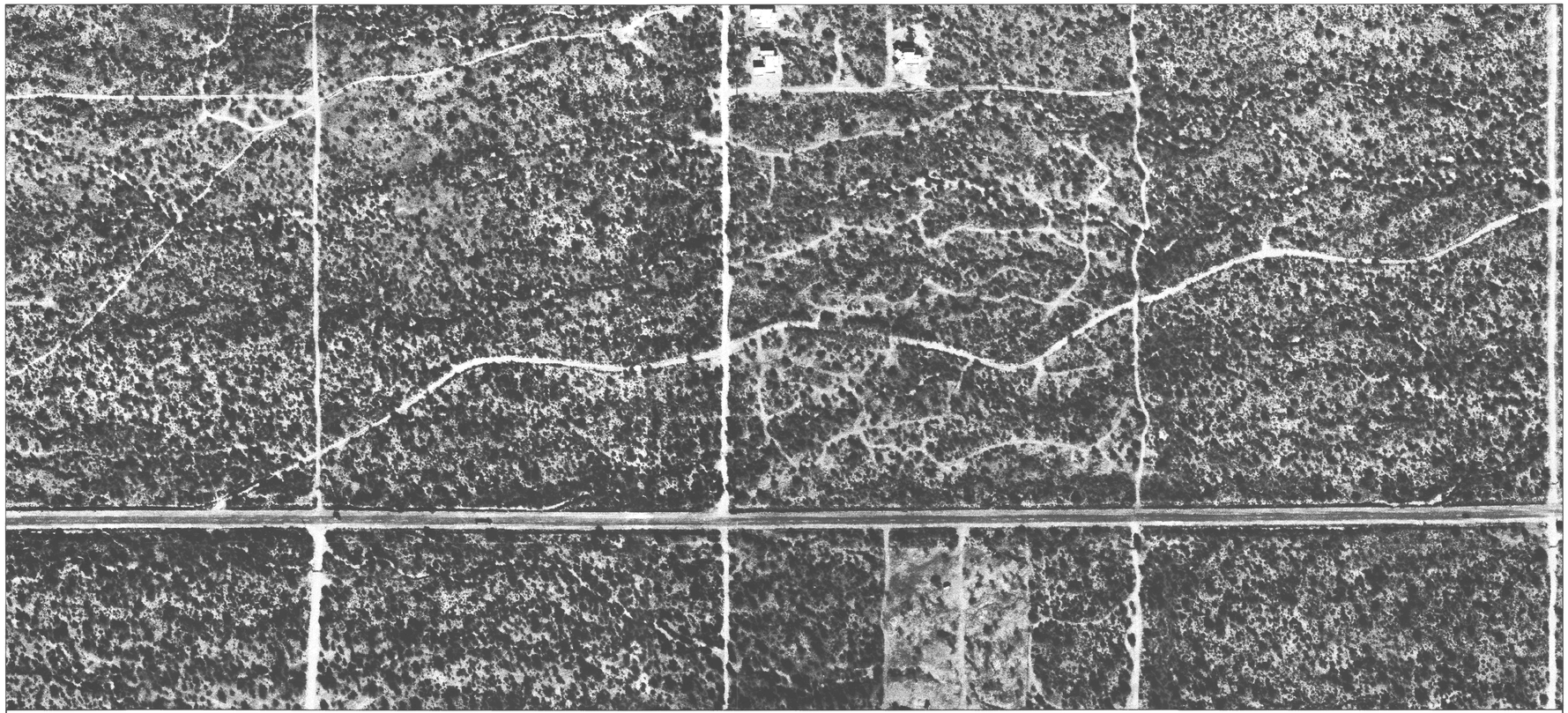
REGISTERED LAND SURVEYOR CERTIFICATE NO. 14059 THOMAS J. LUTE Date Signed 1/3/03 ARIZONA, U.S.A.

MAR10035 yjy 12/09/02 16:40:33 yjy S:\DRN\MAR10035\CAD\SHEETS\M35top23.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 13



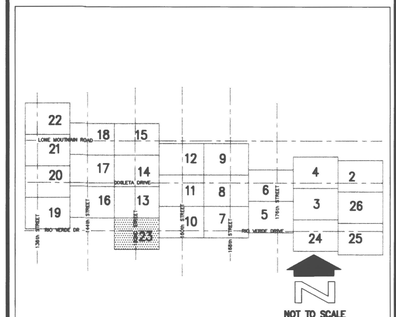
MATCHLINE SHEET 10

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: _____ DATE: _____

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE _____

APPROVED BY: _____ DATE _____

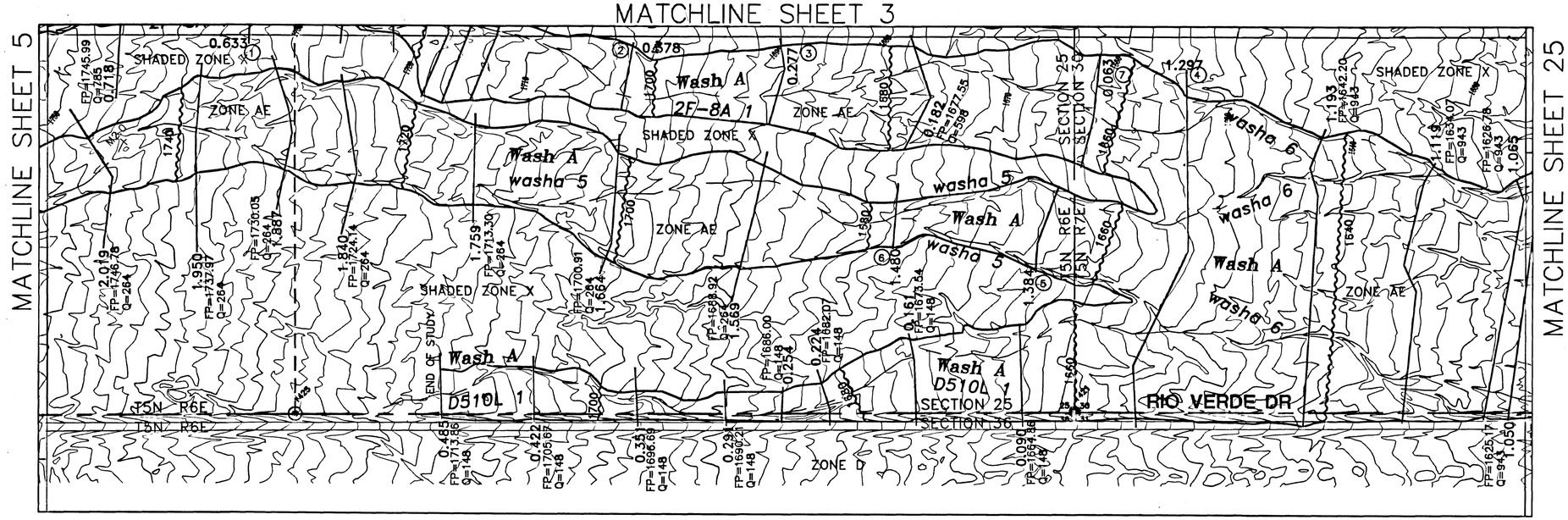
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 23 OF 26

MAR10035 sta 10/16/01 13:09:02 sta S:\DRN\MAR10035\CAD\Aerial sheets\M35top23a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



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2. FP=1702.69 Q=598
3. FP=1690.06 Q=598
4. FP=1653.65 Q=943
5. FP=1665.13 Q=264
6. FP=1677.74 Q=264
7. FP=1662.51 Q=598

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

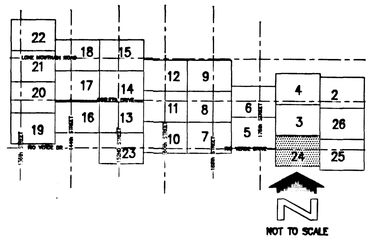
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1421	1655.58	1" PIPE POSS. SEC. COR. SCOR SE, T05N, R06E, SEC 25
1425	1724.08	BLM CADASTRAL BC IN WASH QCOR S, T05N, R06E, SEC 25

NOTES

- REBAR
- BRASS CAP
- STONES
- IRON BAR
- ALUMINUM CAP
- IRON PIPE

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	07/02
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	07/02

SUBMITTED BY: _____ DATE: _____

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE _____

APPROVED BY: _____ DATE _____

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 24 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

30013 TERI S. GEORGE DATE SIGNED 12/30/02 ARIZONA U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 14958 THOMAS J. LUTE DATE SIGNED 1/6/03 ARIZONA U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES ,
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

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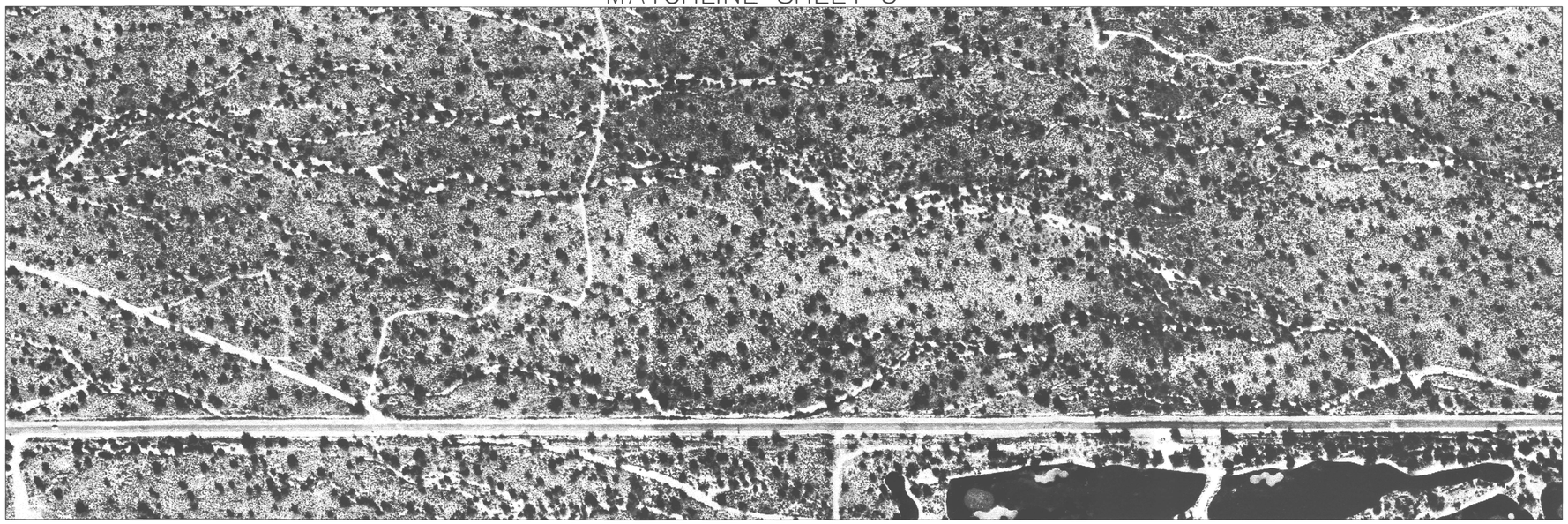
MATCHLINE SHEET 3

MATCHLINE SHEET 5



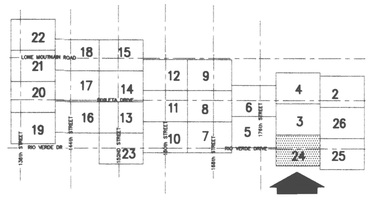
MATCHLINE SHEET 25

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



NOT TO SCALE

200' 0' 200' 400'

SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: _____ DATE:

SHEET 24 OF 26

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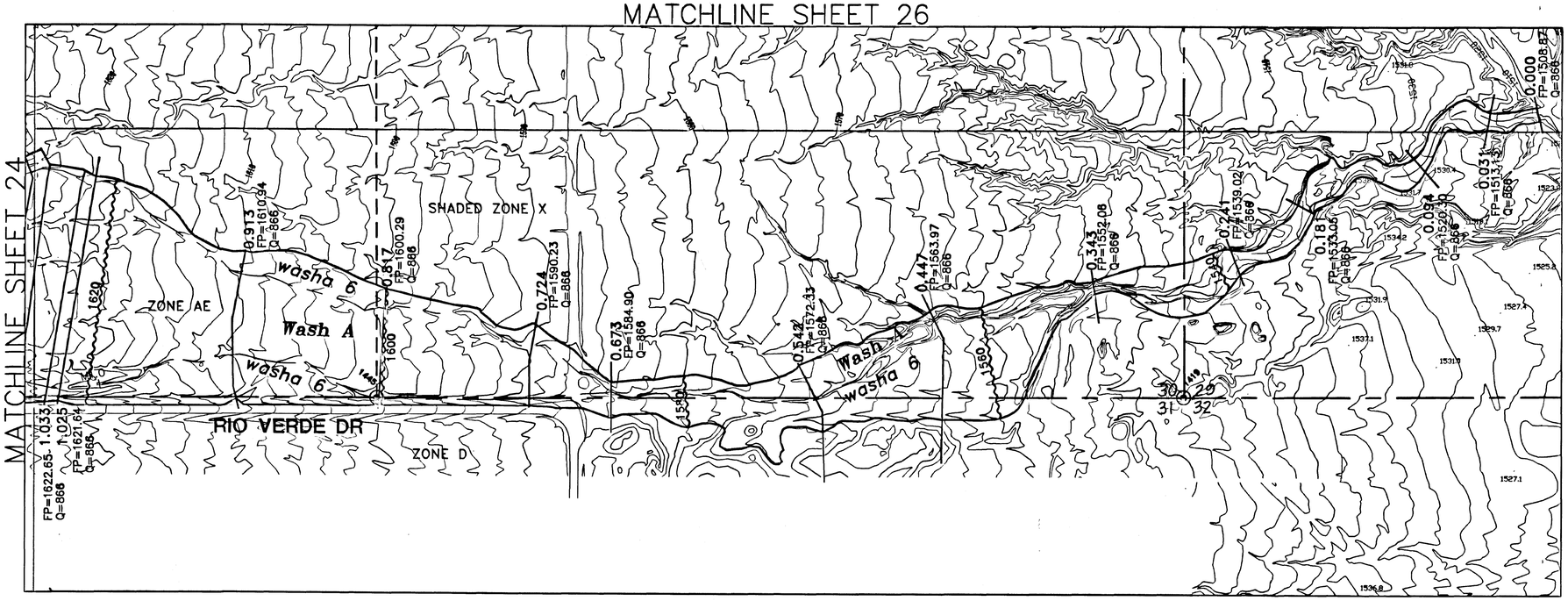
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

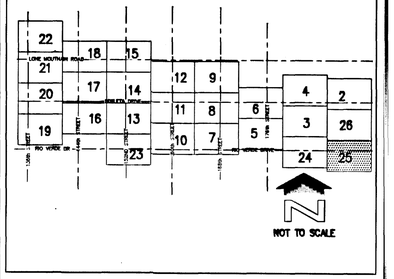
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1419	1543.99	BLM CADASTRAL BC UP 0.7FT SCOR SE, T05N, R07E, SEC 30
1445	1595.70	BLM CADASTRAL BC UP 0.4FT QCOR S, T05N, R06E, SEC 30

NOTES

- ● REBAR
- ◻ IRON BAR
- ◉ BRASS CAP
- ⊜ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB/YJY	06/02
DESIGN CHK.	TSG	07/02
PLANS	TJCL/GSB	06/02
PLANS CHK.	TSG	07/02

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE

SHEET 25 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HANUMANTHRAJ CHANNARAJ DATE SIGNED ARIZONA U.S.A.

24 Dec, 2002

Registered Land Surveyor CERTIFICATE NO. 30013 TERI S. GEORGE Date Signed 12/30/02 ARIZONA U.S.A.

Registered Land Surveyor CERTIFICATE NO. 14959 THOMAS J. LUTE Date Signed 12/23/02 ARIZONA U.S.A.

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99.

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

TOPOGRAPHIC MAPPING DOWNSTREAM
OF XSEC 0.181 FROM RIO VERDE NORTH
FDS FCD CONTRACT 93-06

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MATCHLINE SHEET 26

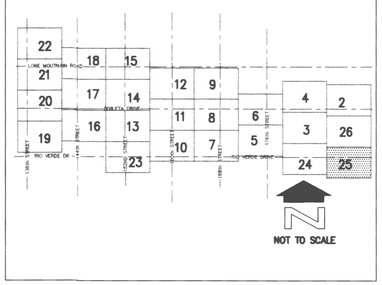
MATCHLINE SHEET 24

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 25 OF 26

MAR10035 sta 10/23/01 19:11:59 sta S:\DRN\MAR10035\CAD\Aerial sheets\m35top25a.dwg

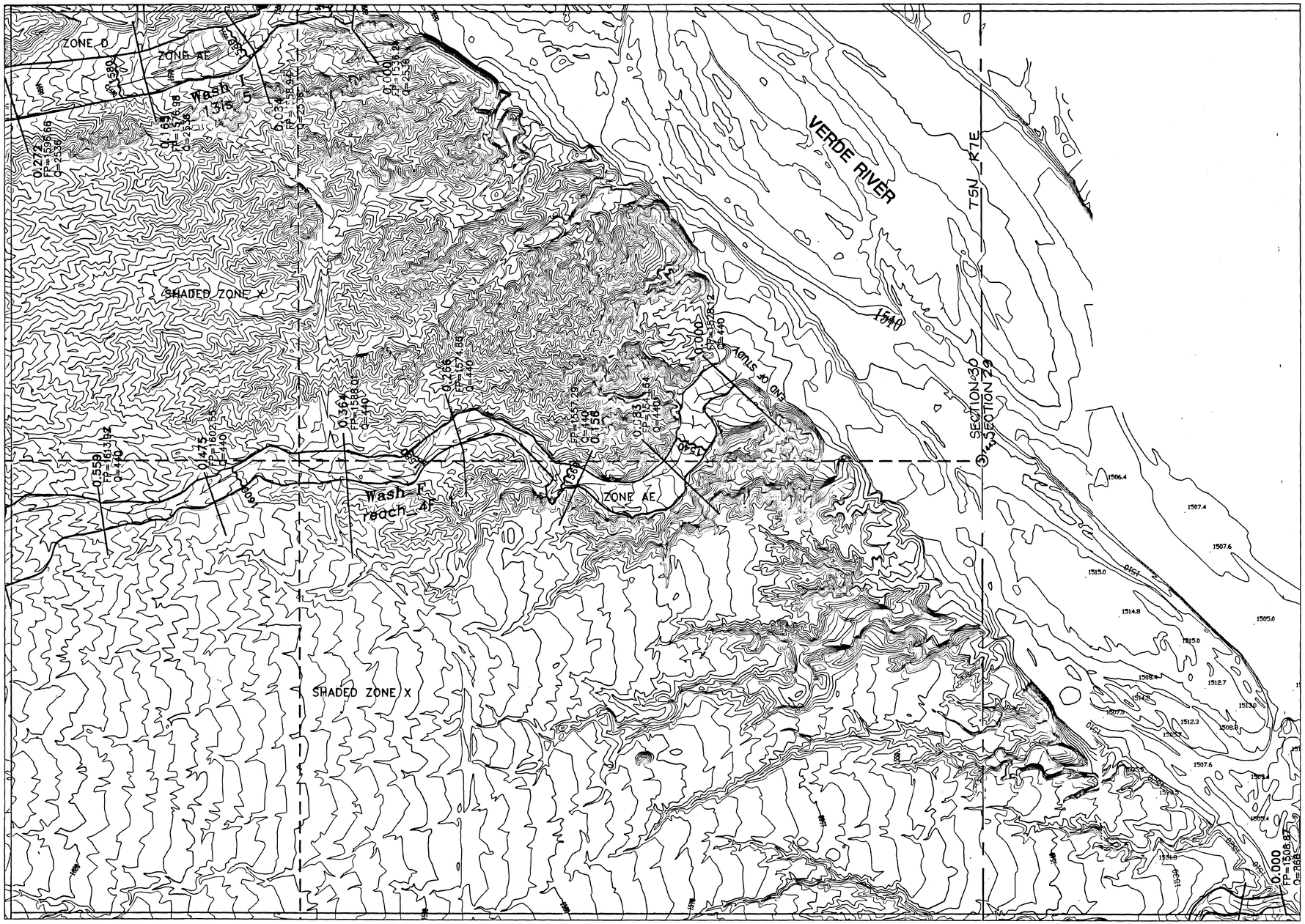
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

MATCHLINE SHEET 2

MATCHLINE SHEET 3

MATCHLINE SHEET 24



MATCHLINE SHEET 25

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
CROSS SECTION	CROSS SECTION ID, FP=100 YR WSE, Q=100 YR DISCHARGE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary
SECTION LINES	
HALF SECTION LINES	

ELEVATION REFERENCE MARKS

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

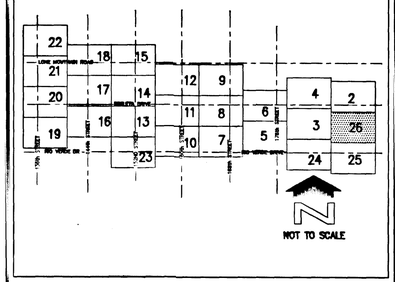
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
1443	2367.66	BLM CADASTRAL BC FLUSH SCOR E T05N, R06E, SEC 30

NOTES

- ● REBAR
- □ IRON BAR
- ◉ BRASS CAP
- ⊜ ALUMINUM CAP
- ◎ STONES

NAVD88 ELEVATION = NGVD29 ELEVATION + 2ft

INDEX MAP



N

200' 0' 200' 400'

SCALE: 1"= 200'

CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	12/01
DESIGN CHK.	TSG	02/02
PLANS	TJCL/GSB	12/01
PLANS CHK.	TSG	02/02

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 26 OF 26

Registered Professional Engineer (Civil) CERTIFICATE NO. 35880 HARUMANTHRAJ CHANNARAJ DATE BLOWED ARIZONA, U.S.A.

24 Dec, 2002

30013 TERI S. GEORGE DATE 12/30/02 REGISTERED LAND SURVEYOR ARIZONA, U.S.A.

14958 THOMAS J. LUTE Date Signed 12-26-02 REGISTERED LAND SURVEYOR ARIZONA, U.S.A.

MAR0035 yjy 12/09/02 16:34:09 yjy S:\DRN\MAR0035\CAD\SHEETS\m35top26.dwg

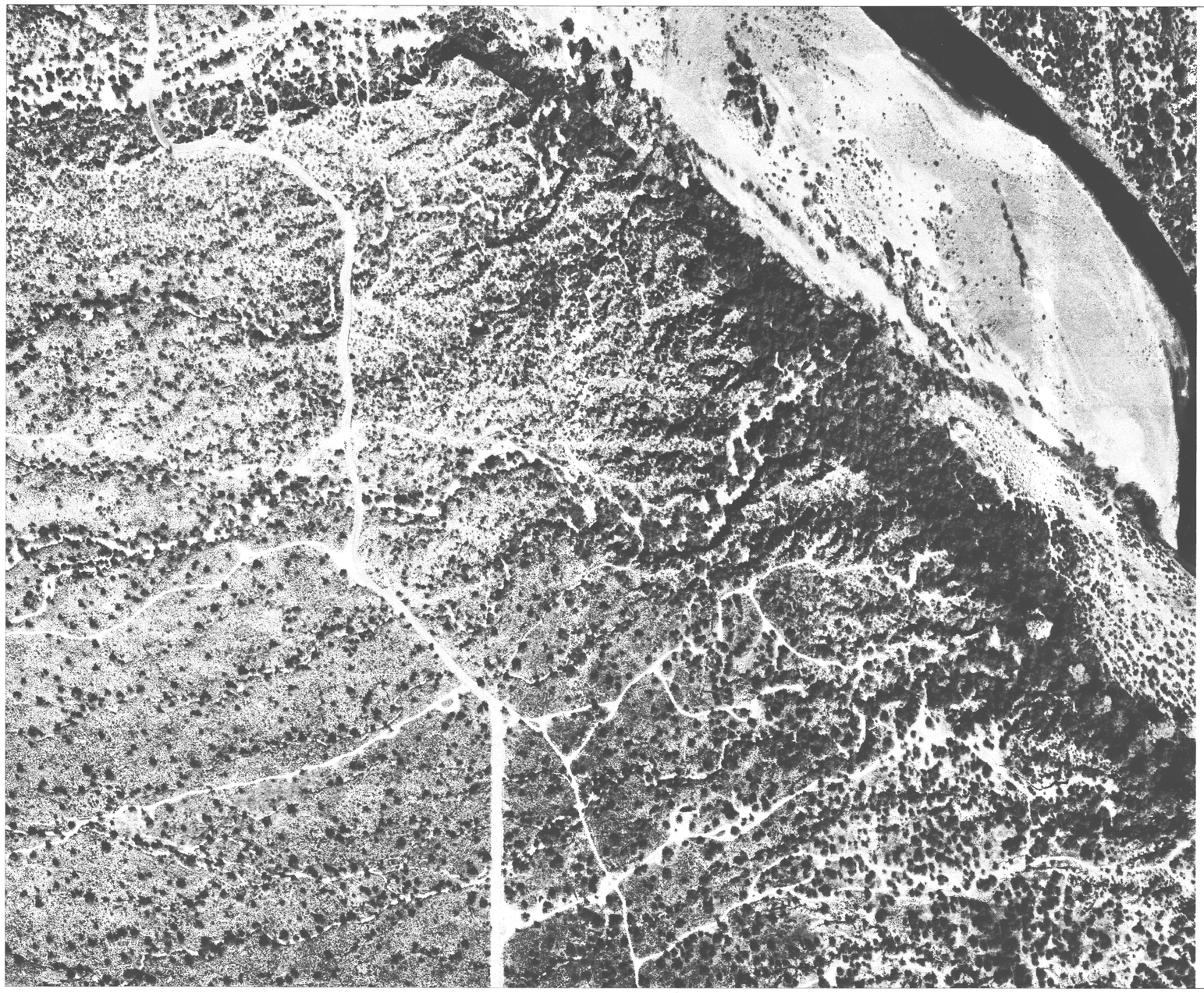
COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES

TOPOGRAPHIC MAPPING DOWNSTREAM
OF XSEC 0.181 FROM RIO VERDE NORTH
FDS FCD CONTRACT 93-06

MATCHLINE SHEET 2

MATCHLINE SHEET 3



MATCHLINE SHEET 24

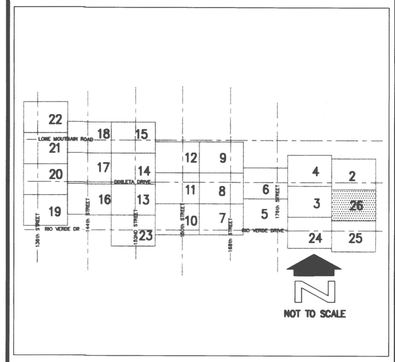
MATCHLINE SHEET 25

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

FLOOD DELINEATION STUDY OF
RIO VERDE NORTH EXTENSION

F.C.D. CONTRACT NO. 98-21

INDEX MAP



200' 0' 200' 400'
SCALE: 1"= 200'
CONTOUR INTERVAL = 2' FEET

DAVID EVANS AND ASSOCIATES, INC.
7878 N. 16TH ST., STE. 250
PHOENIX, AZ 85020

	BY	DATE
DESIGN	TJCL/GSB	07/01
DESIGN CHK.	FCDMC	07/01
PLANS	TJCL/GSB	07/01
PLANS CHK.	FCDMC	09/01

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 26 OF 26

MARI0035 sta 10/16/01 13:27:12 sta S:\DRN\MARI0035\CAD\Aerial sheets\m35top26a.dwg

COOPER AERIAL COMPANY, INC.
DAVID EVANS AND ASSOCIATES
FLOWN 12/4/98 AND 1/11/99

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS
1"=200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS AND BASED ON GROUND
CONTROL SURVEY DATA PROVIDED BY DAVID EVANS AND ASSOCIATES