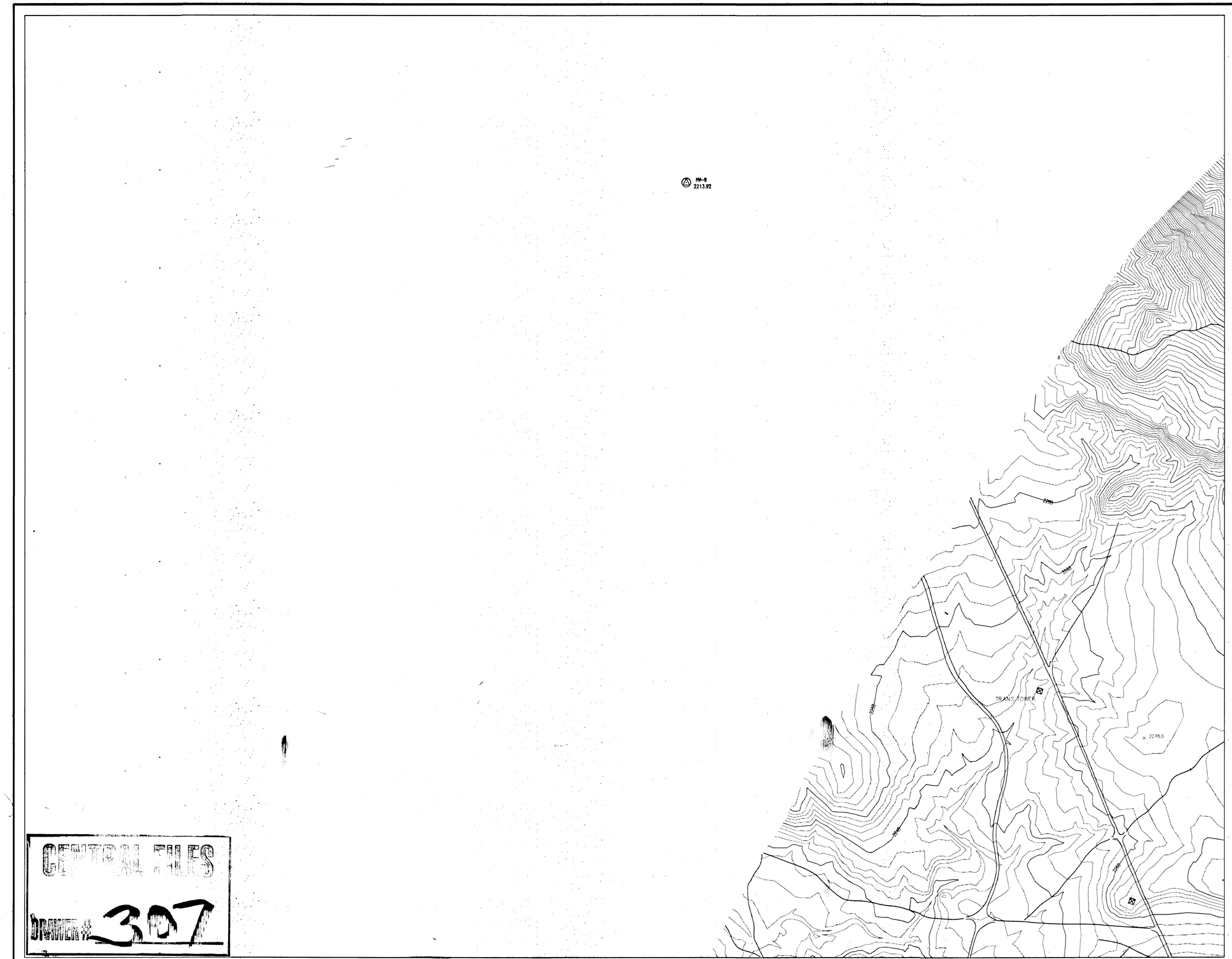


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

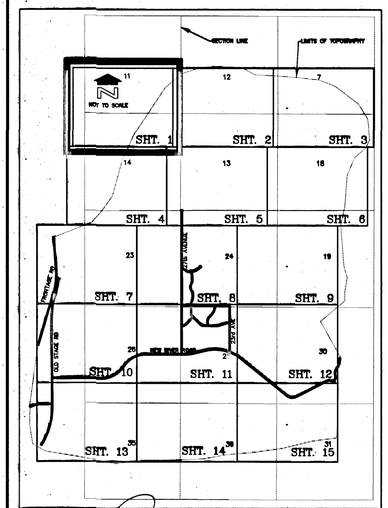
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-9	2213.92	F.C.D. BRASS CAP IN CONC. I-17 NB TO TABLE MESA, EXIT EAST. GO SOUTH AT END OF GAURO RAL. STAY SOUTH TO FORK IN ROAD. 65'± S. OF TREE, 50'W. OF ROAD

INDEX MAP



REGISTERED LAND SURVEYOR
22252
JAMES G. SPRING
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
an Arizona Corporation
SURVEYORS
ENGINEERS
SCIENTISTS
PLANNERS
120 N 44th Street, Suite 410
Phoenix, AZ 85034-1822
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 1 OF 15

CENTRAL FILES
DRAWER # 307

M&B MAPPING COMPANY
FLIGHT DATE: 12/ 22 /1998

GAVILAN PEAK FLOOD PLAIN
STUDY LEGEND
FCD 98-02 TMM
307

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

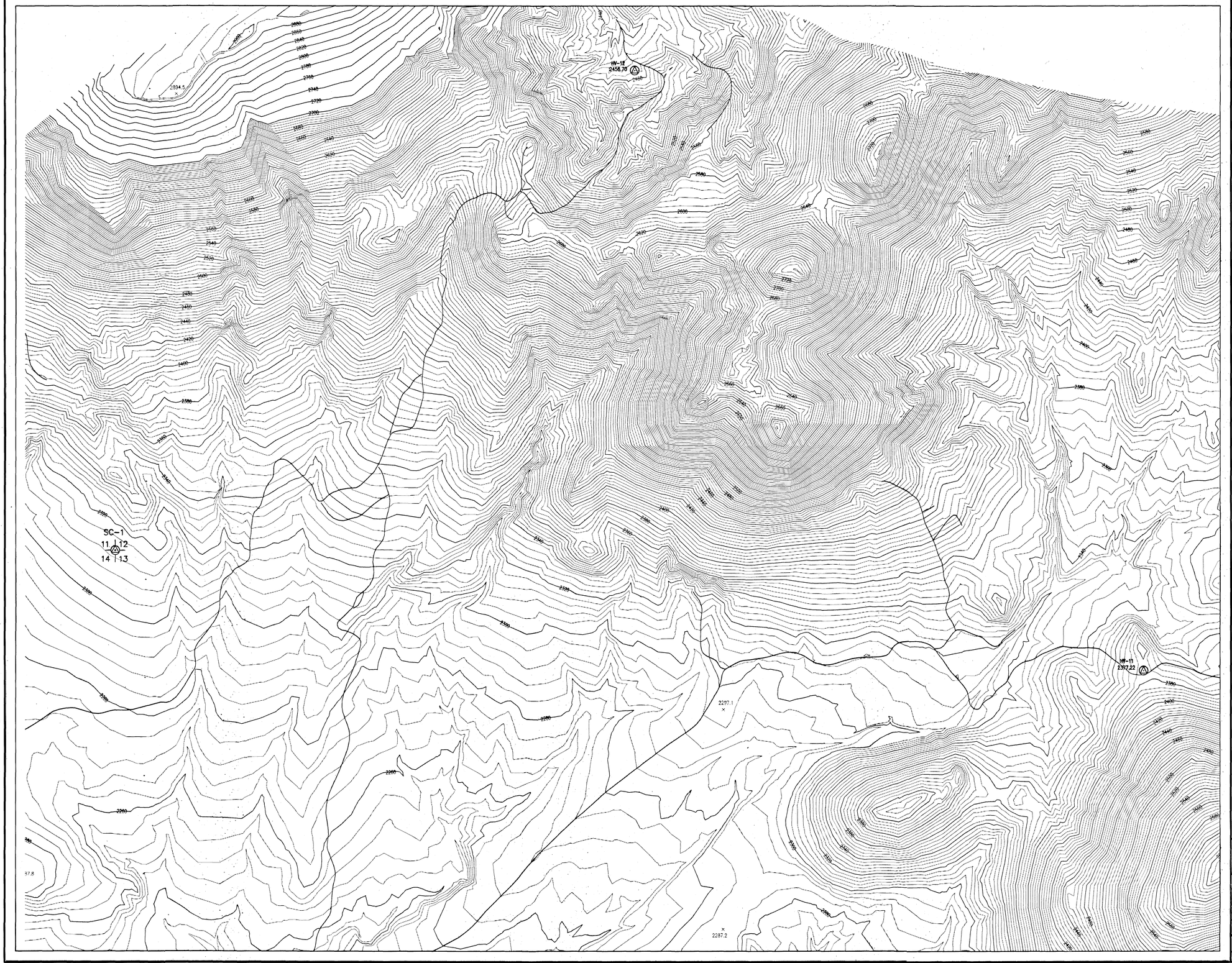
H:\PROJ\8156003.03\DWG\new\Sht-01.dwg Mon Oct 11 08:25:05 1999, NTaylor H-W_6500.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02



LEGEND

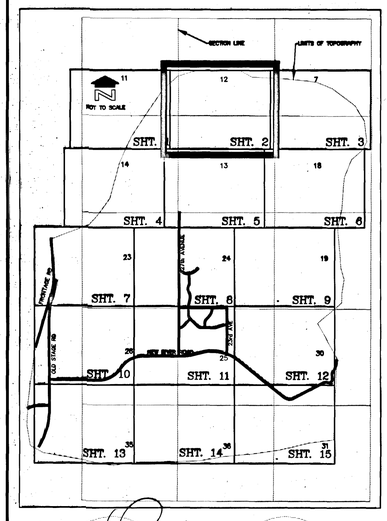
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-11	2377.22	F.C.D.BRASS CAP IN CONC. FROM HV-10, STAY S. ON TRL. .10mi GO E., TO POWER LINE RD,GO S. 100'& THEN ENE ON TRL TO PAST S TURN TO TALL SAG + PALO VERDE, THEN S. 150', THEN NE .4mi TO FORK, GO E. STAY ON TRAIL .4mi S.
HV-12	2456.70	F.C.D.BRASS CAP IN CONC. FROM NEW RIVER RD. GO N. ON 27th AVE TO PHOTOVIEW RD.,GO E. 1mile, TO CATTLE GAURD ON N.SIDE OF RD.,FOLLOW POWER LINE RD. N. 3mi, THEN E. 0.4 mi. TO FORK, THEN N'LY 150'±, THEN E. ON TRAIL OVER HILL TO BOTTOM OF VALLEY.
SC-1		STONE W/4 NOTCHES NW COR. SECTION 13

INDEX MAP



200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

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Fax: (602) 244-9472

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DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

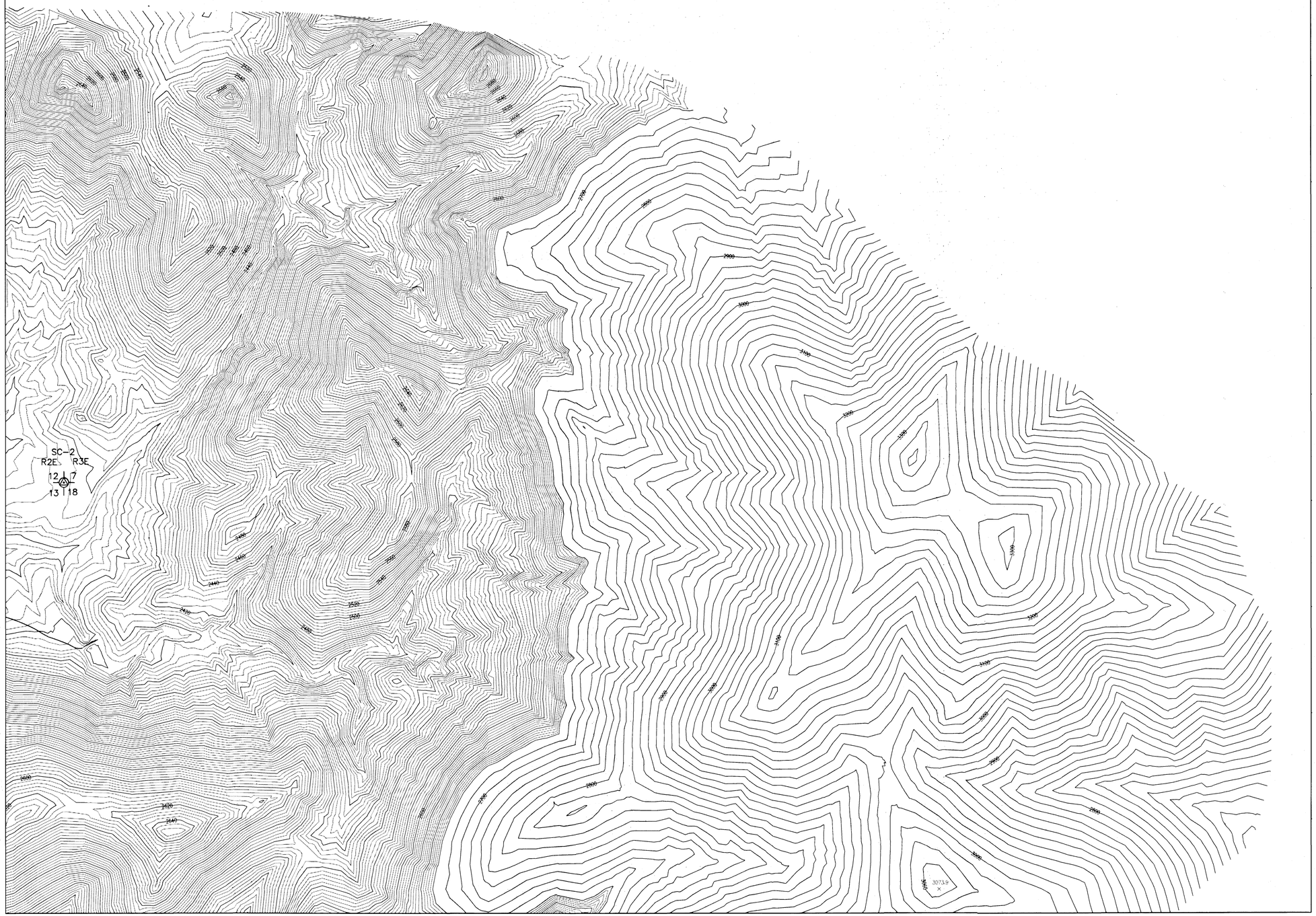
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 2 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\01556003.03\DWG\new\Sht-02.dwg Mon Oct 11 08:44:32 1999 (Taylor M-H_650C.pc2)



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

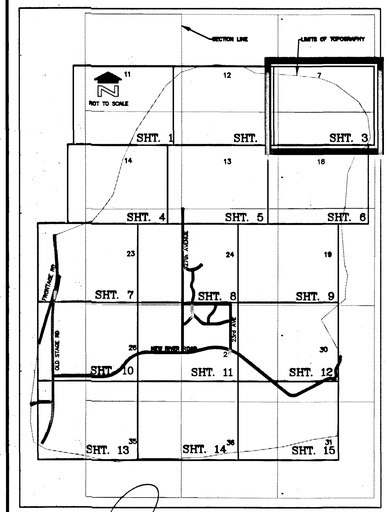
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
SC-2	2376.36	FD G.L.O. BRASS CAP N.E. COR.SECTION 13

INDEX MAP



200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
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ENGINEERS
SCIENTISTS
PLANNERS
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Phoenix, AZ 85034-1922
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 3 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\81560003.03\DWG\Plot\Sht-03.dwg Mon Oct 11 08:45:17 1999 (Taylor M-M_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

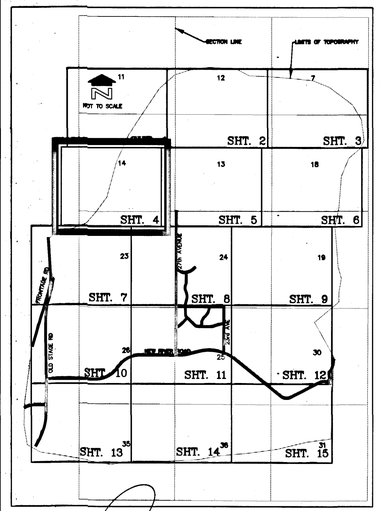
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

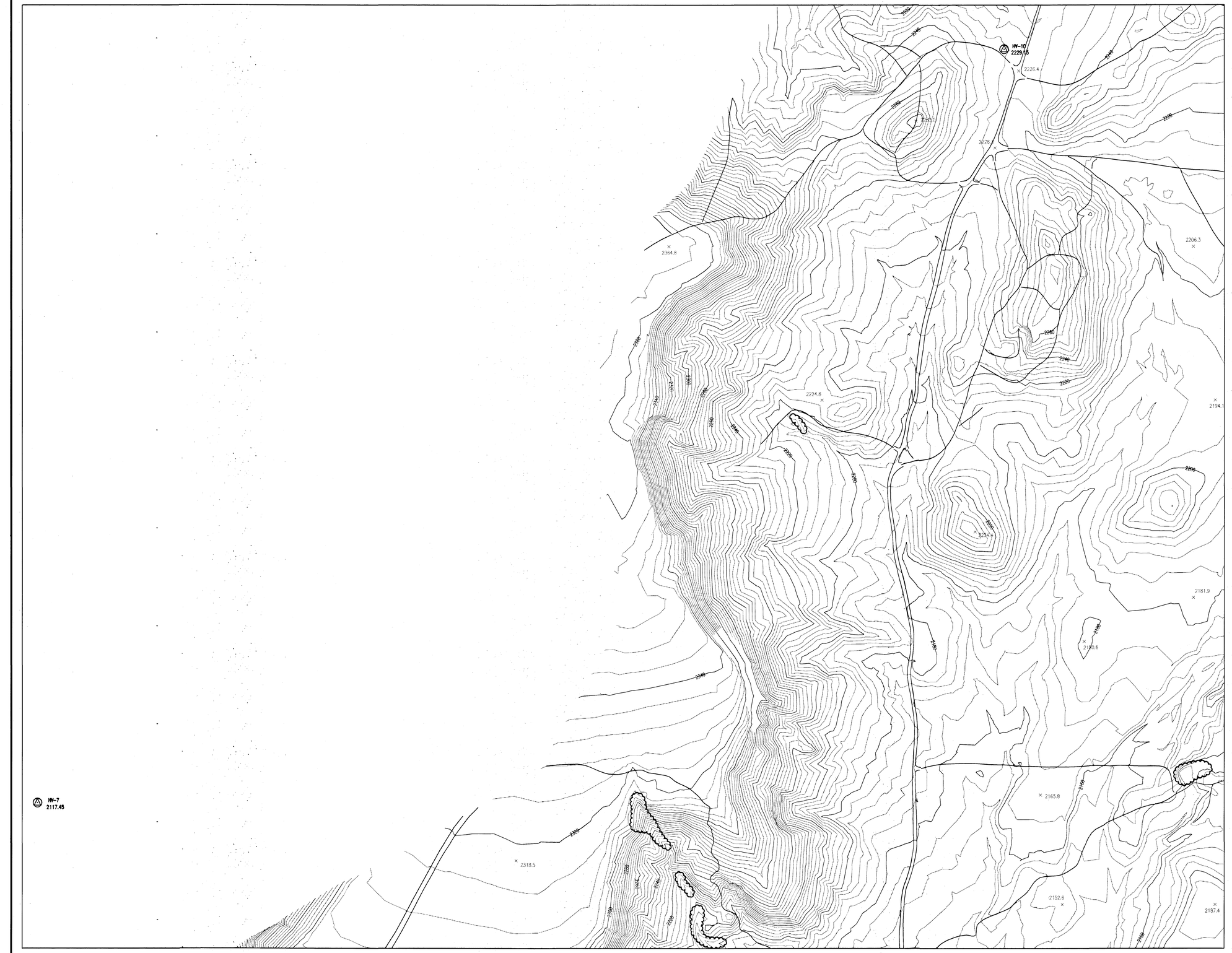
ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-10	2229.15	F.C.D. BRASS CAP IN CONC. FROM HV-9, TAKE FORK IN ROAD E., STAY ON MAIN TRAIL .8mi., IT IS APPROX.30' WEST OF TRAIL.
HV-7	2117.45	F.C.D. BRASS CAP IN CONC. N. 117, FRONTAGE RD., 1.2mi GO WEST AT CURVE IN RD EAST AND POWERLINE CROSSING. GO WEST ON TRAIL PAST ANGLE IN POWER LINES TO CLEARING. LOCATED ON S. SIDE OF CLEARING.

INDEX MAP





22282
JAMES G. SPRING
RENEWAL 6/30/99
REGISTERED LAND SURVEYOR
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
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PLANNERS
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Fax: (602) 244-9472

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PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\6156003.03\DWG\new\Sht-04.dwg Mon Oct 11 08:56:28 1999 (LTaylor M-M_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

TRANS TOWER

TRANS TOWER

TRANS TOWER

SC-3

14 | 13

23 | 24

Photo View Rd

27th Ave

23rd Dr

21st Ave

2209.5

2218.6

2201.1

2265.8

2276.1

2261.6

2177.7

2183.2

2174.0

2177.2

2189.6

2202.3

LEGEND

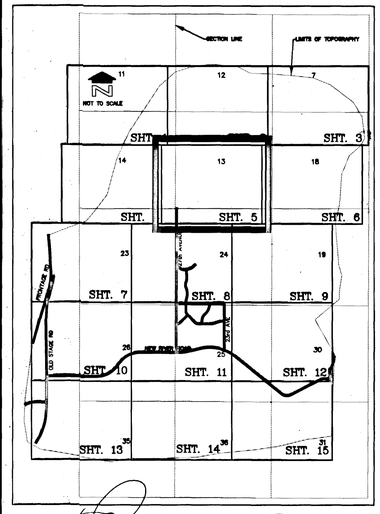
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE, FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
SC-3	2172.83	NAIL IN PAVEMENT CL PHOTO VIEW RD. AND 27th AVE NW COR. SECTION 24

INDEX MAP



22252
JAMES G. SPRING
REGISTERED LAND SURVEYOR
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
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SURVEYORS
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SCIENTISTS
PLANNERS

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Phoenix, AZ 85034-1822
Phone: (602) 244-8662
Fax: (602) 244-9472

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DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 15

M&G MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

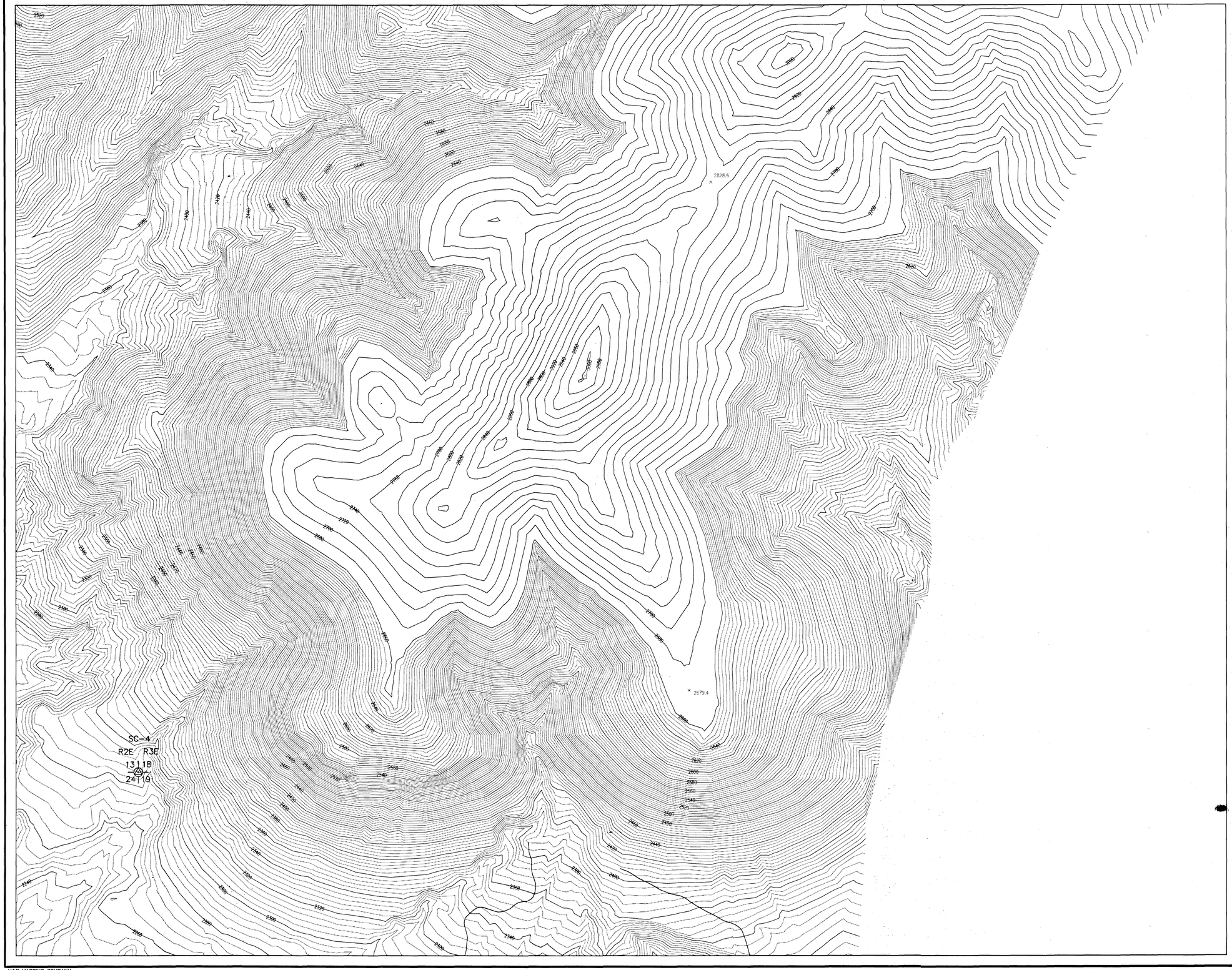
H:\PROJ\G\6156003.03\DWG\new\Sht-05.dwg Mon Oct 11 08:58:15 1999 (LTaylor M-M_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02



LEGEND

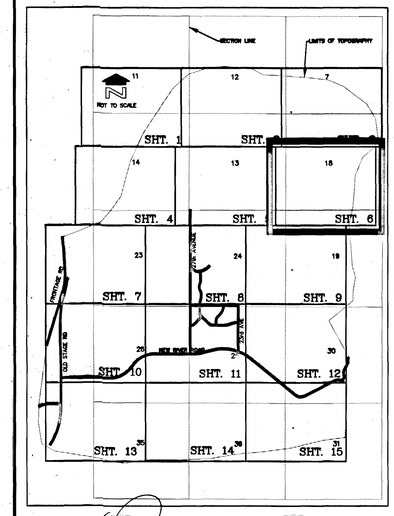
- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION — 25.382 — FP=100 Yr WSE / FW=Floodway WSE
- ELEVATION REFERENCE MARK — ERM3 X
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CITY LIMITS
- PAVED ROAD
- DIRT ROAD
- DIRT TRAIL
- VEGETATION
- BUILDING

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
SC-4	2290.35	FD G.L.O. BRASS CAP NE COR. SECTION 24

INDEX MAP



REGISTERED LAND SURVEYOR
72282
JAMES G. SPRING
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
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DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\8156003.03\DWG\new\Sht-06.dwg Mon Oct 11 08:59:06 1999 (LTaylor M-M_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

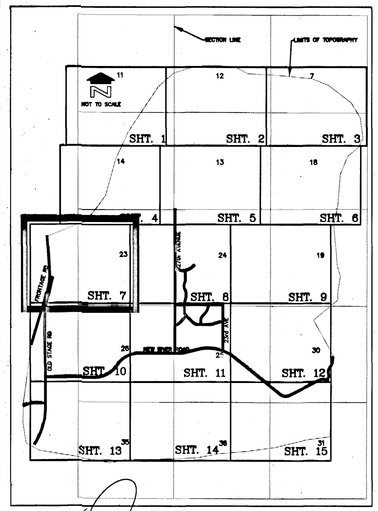
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION

INDEX MAP



REGISTERED LAND SURVEYOR
22282
JAMES G. SPRING
Expires: 12/31/99
ARIZONA U.S.A.

200 0 200 400

SCALE: 1" = 200'
CONTOUR INTERVAL = 4 FEET

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	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 7 OF 15

M&G MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

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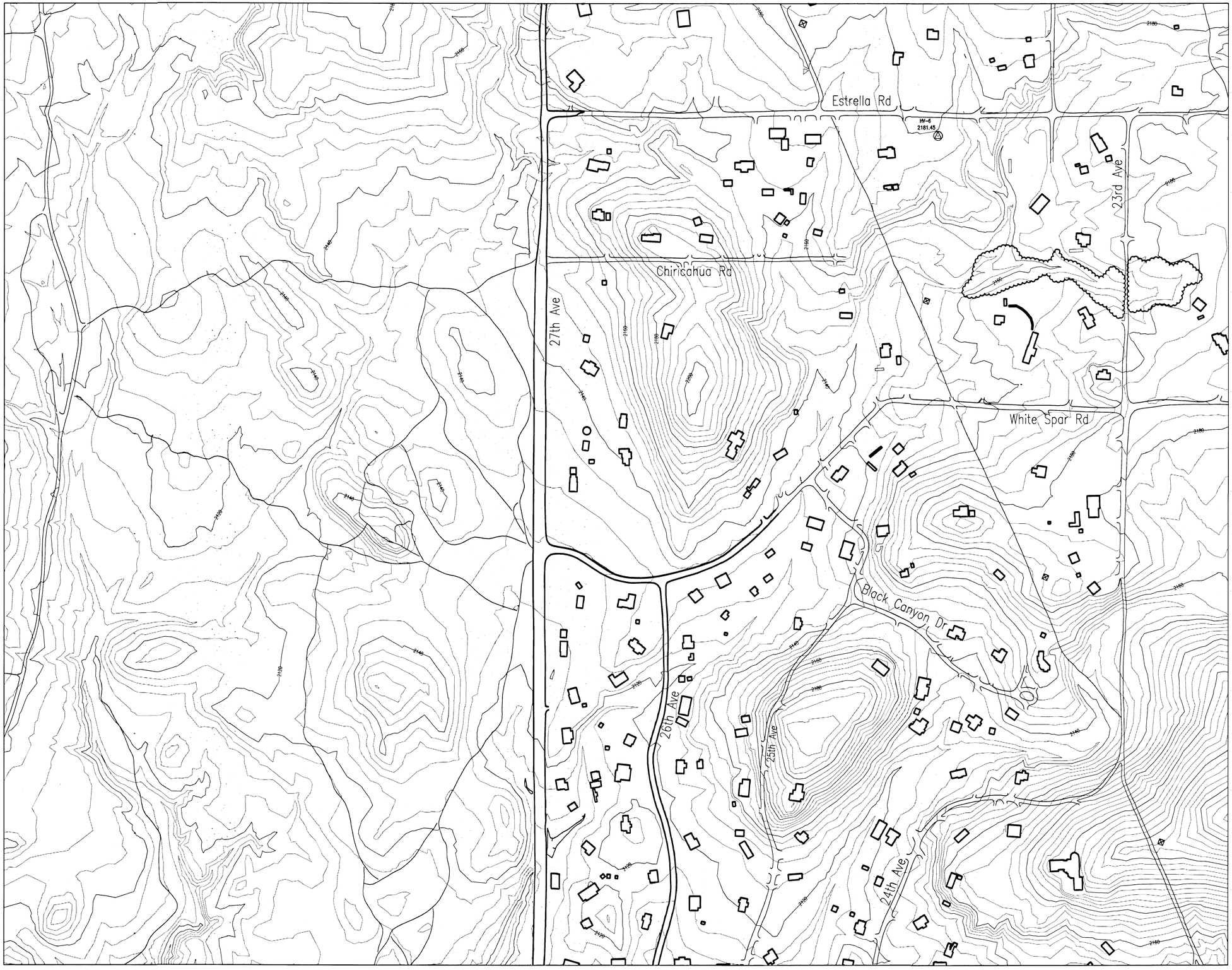


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

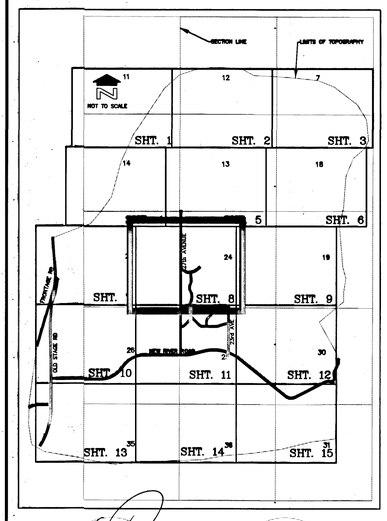
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE, FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-6	2181.45	F.C.D. BRASS CAP IN CONC. NEW RIVER RD. E. TO 27th AVE. N., TO ESTRELLA E., APPROX 1320' MONUMENT IS ON THE SOUTH SIDE OF STREET.

INDEX MAP



REGISTERED LAND SURVEYOR
22282
JAMES G. SPRING
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
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SCIENTISTS
PLANNERS
120 N 44th Street, Suite 410
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Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 8 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

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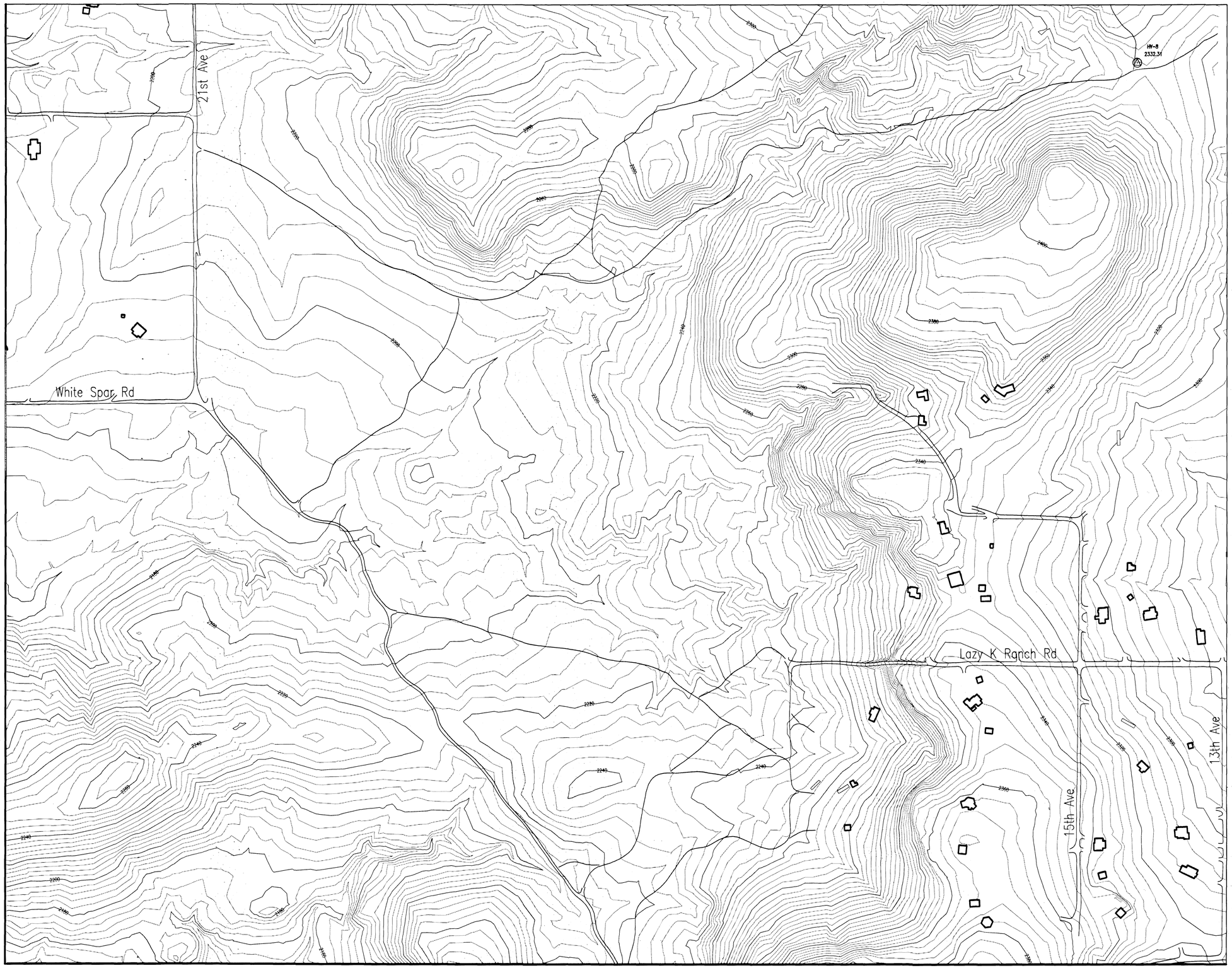


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

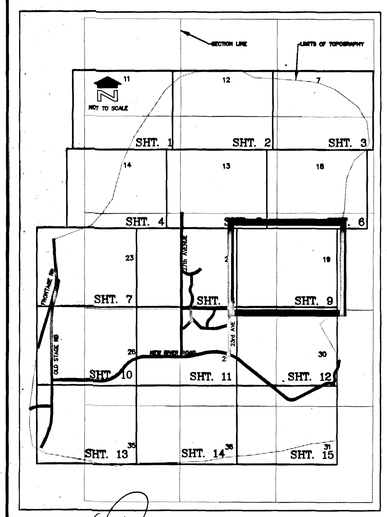
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-8	2332.31	F.C.D. BRASS CAP IN CONC. E. ON NEW RIVER RD. N. ON 27th AVE., E. ON ESTRELLA TO END OF DIRT RD., S.AND THEN E. OVER CATTLE GUARD. FOLLOW TRAIL ENE .5mi. LOCATED N. OF TRAIL.

INDEX MAP



REGISTERED LAND SURVEYOR
22282
JAMES G. SPRING
Date Signed 10/15/99
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
an Arizona Corporation
SURVEYORS
ENGINEERS
SCIENTISTS
PLANNERS
120 N 44th Street, Suite 410
Phoenix, AZ 85034-1822
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

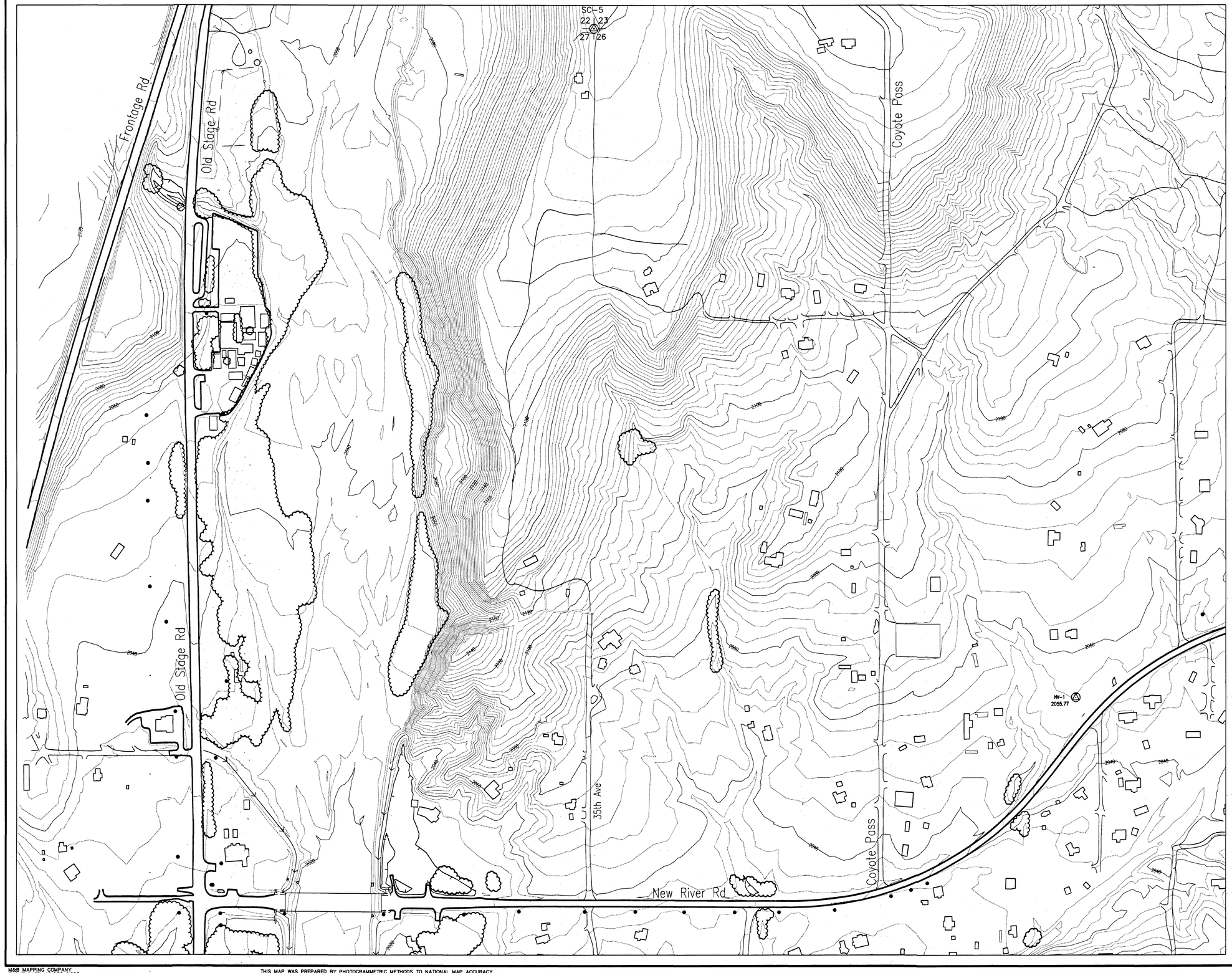
SHEET 9 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/ 22 /1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\8156003.03\DWG\new\Sht-09.dwg Mon Oct 11 09:02:31 1999 (LTaylor W-N_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
GAVILAN PEAK
FLOOD PLAIN STUDY
F.C.D. CONTRACT NO. 98-02



LEGEND

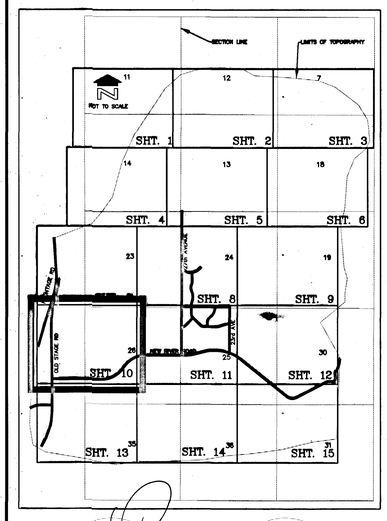
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-1	2055.77	F.C.D. BRASS CAP IN CONC. 1-1/2 MB TO NEW RIVER RD. E. TO FRONTAGE ROAD, N., TO NEW RIVER RD. E., .8mi., THEN N. AT FIRE STATION, LEFT BEFORE HYDRANT LOCATED 20'&&P S. OF TURN AROUND.
SC-5	2221.56	FD G.L.O. BRASS CAP NW COR SECTION 26

INDEX MAP



REGISTERED LAND SURVEYOR
22282
JAMES G. SPRING
Expires 12/31/99
ARIZONA U.S.A.

200 0' 200 400
SCALE: 1" = 200'
CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
an Arizona Corporation
SURVEYORS
ENGINEERS
SCIENTISTS
PLANNERS
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Phoenix, AZ 85034-1822
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 10. OF 15

M&S MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\8156003.03\DWG\new\SHT-10.dwg Mon Oct 11 09:03:18 1999 (LTaylor M-W_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
GAVILAN PEAK
FLOOD PLAIN STUDY
F.C.D. CONTRACT NO. 98-02

LEGEND

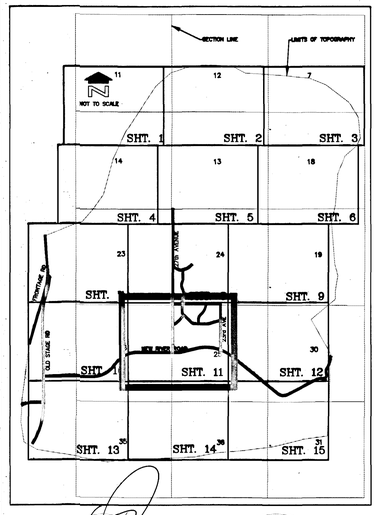
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	(25.382) FP=100 Yr WSE, FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-2	2089.81	F.C.D. BRASS CAP IN CONC. E. ON NEW RIVER RD. 1.8 mi. LOCATED N. SIDE OF RD. 250'± W. OF 23rd AVE. AND 70'± N. OF NEW RIVER RD.
SC-6	2107.38	FD REBAR IN ROAD NW COR. SECTION 25

INDEX MAP



22282 JAMES G. SPRING — REGISTERED LAND SURVEYOR — ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'
CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
an Arizona Corporation
SURVEYORS, ENGINEERS, SCIENTISTS, PLANNERS
120 N 44th Street, Suite 410
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Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 11 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

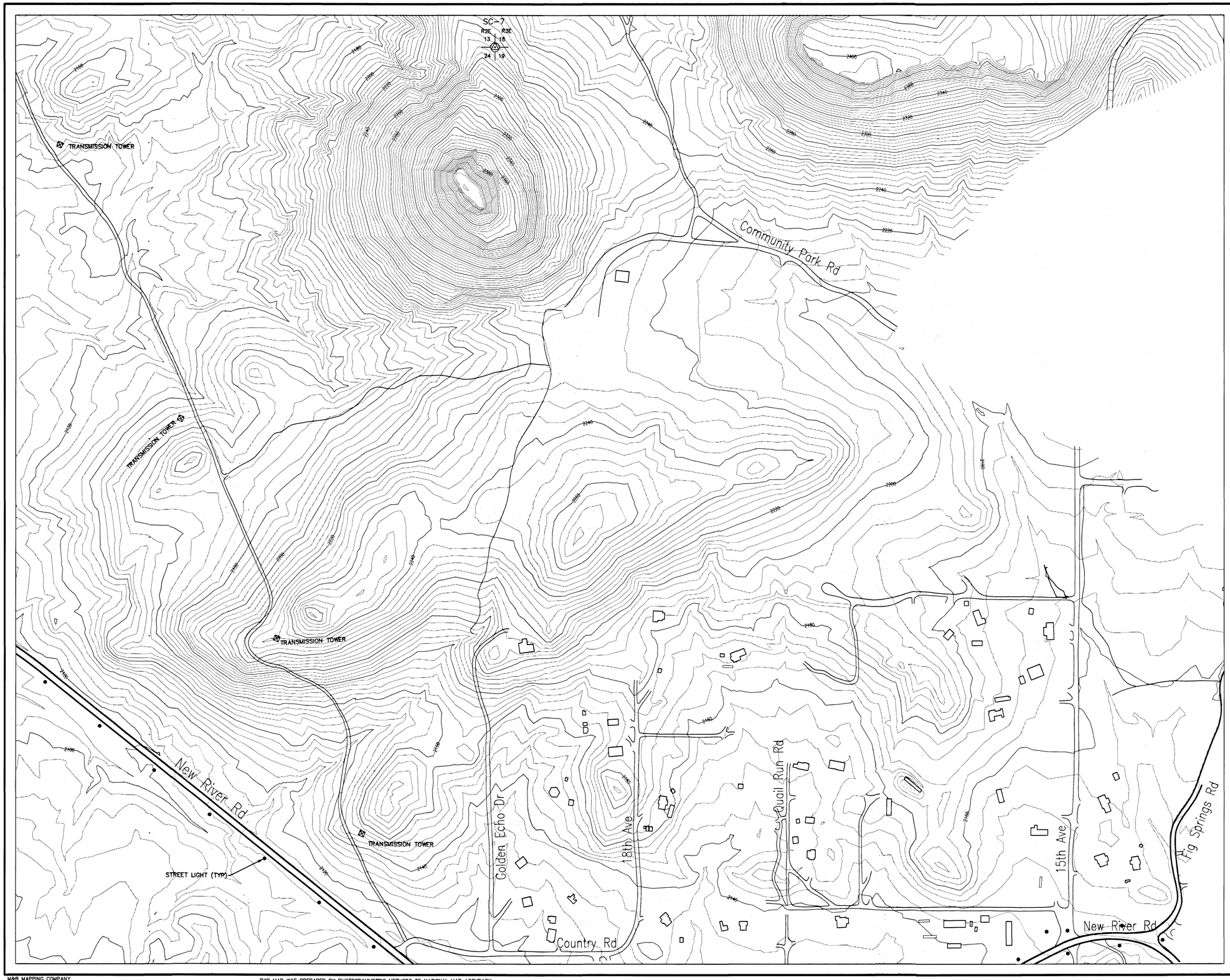
H:\PROJ\9156003.03\DWG\new\Sht-11.dwg Mon Oct 11 09:08:21 1999 (LTaylor M-M_550C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02



LEGEND

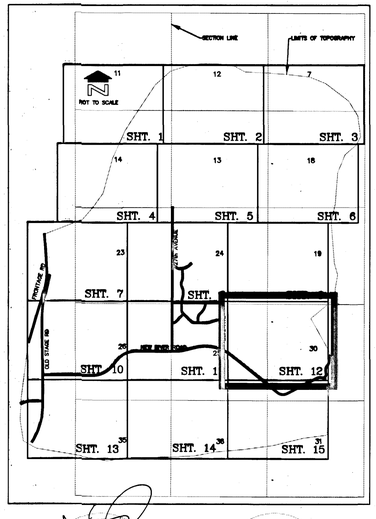
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
#####	#####	#####

INDEX MAP



REGISTERED LAND SURVEYOR
No. 22282
JAMES G. SPRING
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
an Arizona Corporation
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SCIENTISTS
PLANNERS
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Phone: (602) 244-8662
Fax: (602) 244-8472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 12 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\0156003.03\DWG\new\Sht-12.dwg Mon Oct 11 09:09:29 1999 (Taylor W-W_650C.pc2)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

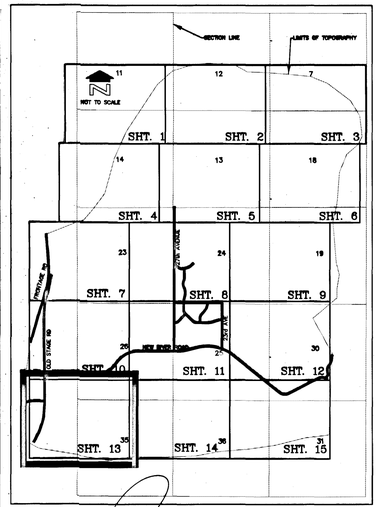
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE / FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-4	1998.54	F.C.D. BRASS CAP IN CONC. EXIT I-17 NB AT NEW RIVER RD. E., TO I-17/FRONTAGE RD. S., 3mi., LOCATED AT END OF GUARD RAIL ON WEST SIDE OF ROAD.

INDEX MAP



REGISTERED LAND SURVEYOR
22282
JAMES G. SPRING
DATE SURVEYED 9/14/98
ARIZONA

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, Inc.
an Arizona Corporation

SURVEYORS
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SCIENTISTS
PLANNERS

120 N 44th Street, Suite 410
Phoenix, AZ 85034-1822
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Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE, INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 13 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

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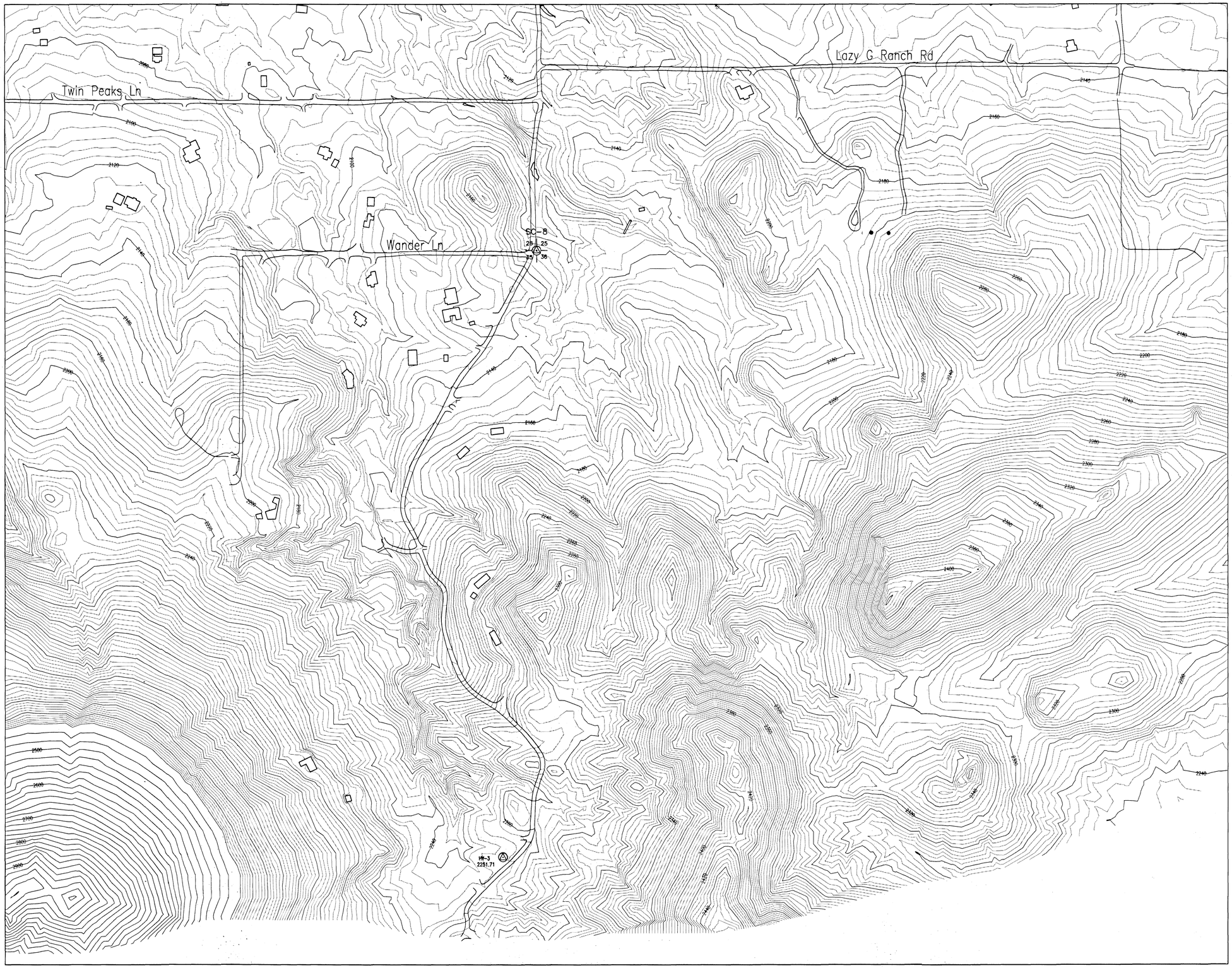


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
GAVILAN PEAK
FLOOD PLAIN STUDY
F.C.D. CONTRACT NO. 98-02

LEGEND

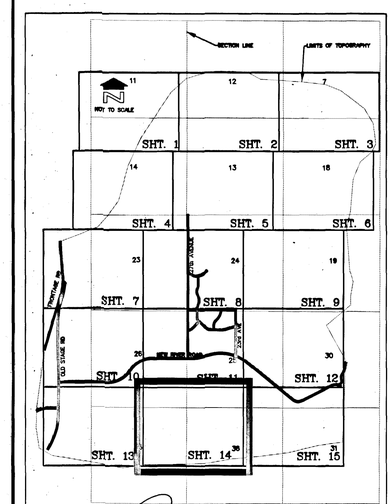
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-3	2251.71	F.C.D. BRASS CAP IN CONC. GO E. ON NEW RIVER RD., THEN S. ON 27th AVE. 1.8mi. LOCATED 50'± W. OF 27th AVE.
SC-8	2221.564	FD G.L.O. BRASS CAP NW COR. SECTION 36

INDEX MAP



REGISTERED PROFESSIONAL SURVEYOR
22282
JAMES G. SPRING
Date Signed 10/12/99
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'
CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
an Arizona Corporation

SURVEYORS
ENGINEERS
SCIENTISTS
PLANNERS

120 N 44th Street, Suite 410
Phoenix, AZ 85034-1822
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 14 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

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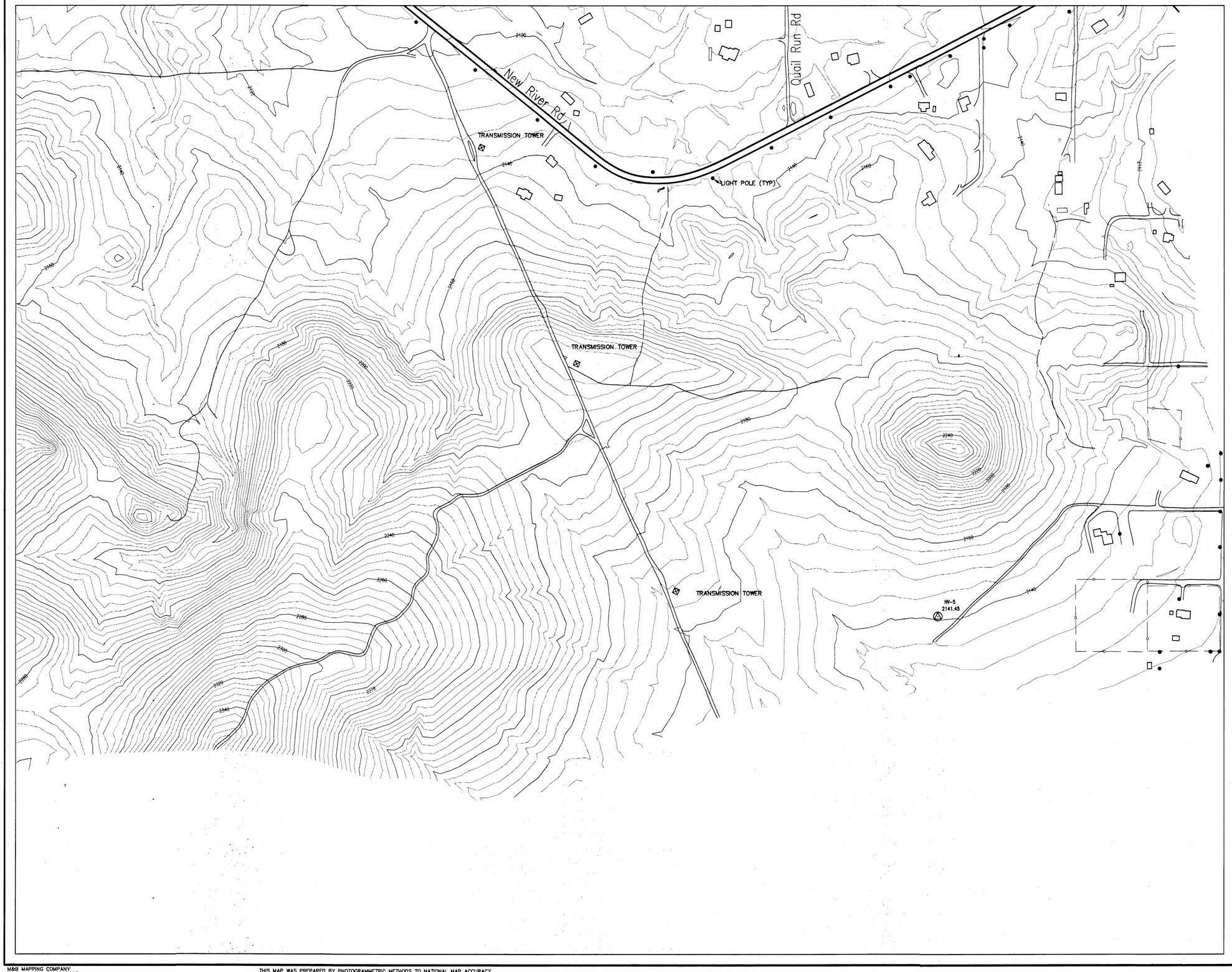


FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

GAVILAN PEAK

FLOOD PLAIN STUDY

F.C.D. CONTRACT NO. 98-02

LEGEND

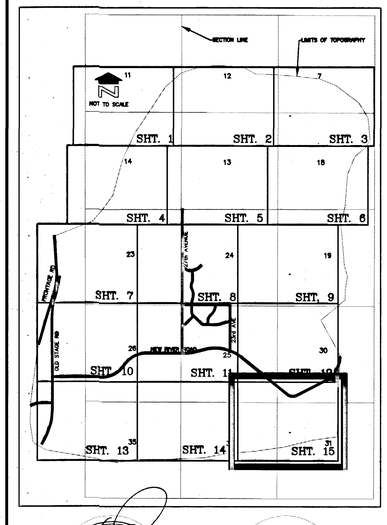
100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	25.382 FP=100 Yr WSE FW=Floodway WSE
ELEVATION REFERENCE MARK	ERM3 X
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CITY LIMITS	
PAVED ROAD	
DIRT ROAD	
DIRT TRAIL	
VEGETATION	
BUILDING	

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 19xx

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-5	2141.45	F.C.D. BRASS CAP IN CONC. EAST ON NEW RIVER RD TO GIBBONSRD GO W. .5mi. ON DIRT RD., PAST A LARGE PATCH OF CHOLLA CACTUS TO A SMALL CLEARING ON THE N. SIDE OF RD

INDEX MAP



REGISTERED LAND SURVEYOR
CERTIFICATE NO. 22282
JAMES G. SPRING
Date Signed 10/12/99
ARIZONA U.S.A.

200 0' 200 400

SCALE: 1" = 200'

CONTOUR INTERVAL = 4 FEET

MORRISON MAIERLE, INC.
an Arizona Corporation

SURVEYORS
ENGINEERS
SCIENTISTS
PLANNERS

120 N 44th Street, Suite 410
Phoenix, AZ 85034-1822
Phone: (602) 244-9662
Fax: (602) 244-9472

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SUBMITTED BY:
MORRISON-MAIERLE INC. DATE: 6/99

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 15 OF 15

M&B MAPPING COMPANY
FLIGHT DATE: 12/22/1998

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS 1"=200' HORIZONTAL SCALE AND 4' CONTOUR INTERVALS AND BASED ON GROUND CONTROL SURVEY DATA PROVIDED BY MORRISON-MAIERLE, INC.

H:\PROJ\B156003.03\DWG\new\Sht-15.dwg Mon Oct 11 13:20:43 1999 (LTaylor M-M_650C.pc2)