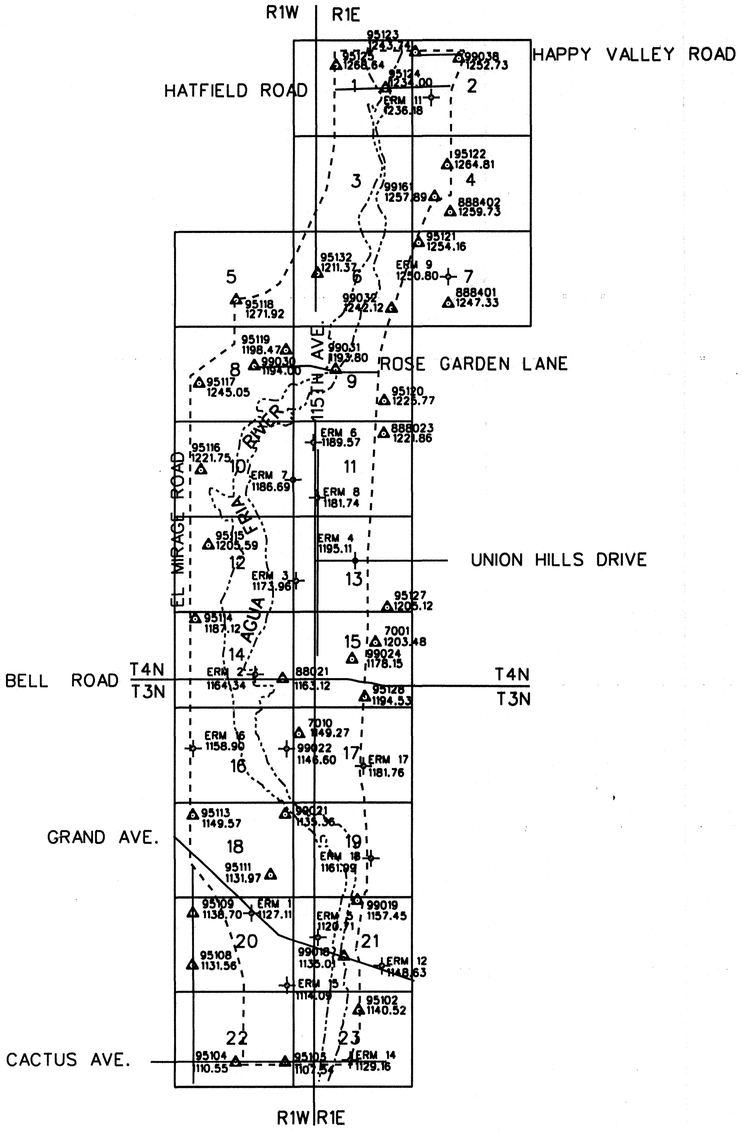


ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	EASTING	NORTHING	ELEVATION
ERM#1	578228.79	950337.90	1127.11
ERM#2	578379.64	960387.92	1164.34
ERM#3	580103.62	964307.68	1173.96
ERM#4	582596.62	965150.55	1195.11
ERM#5	581030.30	949292.81	1120.71
ERM#6	580839.60	970108.40	1189.57
ERM#7	579984.87	968545.14	1186.69
ERM#8	580999.58	967788.44	1181.74
ERM#9	586508.97	977091.42	1250.80
ERM#10	585129.59	973116.71	1234.58
ERM#11	585786.29	984591.35	1236.18
ERM#12	583727.60	948086.85	1148.63
ERM#13	586454.51	973131.56	1238.36
ERM#14	582389.51	944131.70	1128.91
ERM#15	579719.14	947270.51	1114.09
ERM#16	575769.90	957266.29	1158.90
ERM#17	582943.08	956523.68	1181.76
ERM#18	583259.20	952640.25	1161.99

PHOTOGRAMMETRIC CONTROL POINTS

I.D. NUMBER	EASTING	NORTHING	ELEVATION
99018	582124.11	948479.71	1135.01
99019	582696.23	950863.53	1157.45
99021	579653.73	954503.19	1135.36
99022	579703.74	957250.64	1146.60
99024	582471.22	961013.24	1178.15
99030	578343.21	973342.15	1194.00
99031	581777.07	973180.63	1193.80
99032	584126.93	975753.76	1242.12
99038	586959.81	986228.88	1252.73
99161	585937.06	980436.66	1257.89
888023	583806.25	970472.14	1221.86
888401	586517.21	975952.33	1247.33
888402	586599.86	979790.42	1259.73
88021	579543.87	960198.63	1163.12
88024	586457.33	970540.84	1240.35
7001	583449.39	961717.18	1203.48
7010	580263.52	957889.97	1149.27
95102	582749.01	946202.35	1140.52
95103	579645.42	944028.48	1107.54
95104	577562.04	944027.39	1110.55
95108	575734.61	948102.83	1131.56
95109	575760.23	950335.58	1138.70
95111	579032.48	951938.01	1131.97
95113	575765.48	954462.66	1149.57
95114	575859.50	962710.13	1187.12
95115	576414.04	965805.38	1205.59
95116	576107.10	968952.25	1221.75
95117	576021.88	972601.65	1245.05
95118	577574.16	976117.58	1271.92
95119	579686.27	974005.84	1198.47
95120	583825.24	971864.94	1225.77
95121	585268.17	978513.65	1254.16
95122	586468.43	981762.65	1264.81
95123	585127.11	986497.19	1243.74
95124	583876.13	984986.76	1234.00
95125	581784.38	985936.30	1268.64
95127	583959.81	963172.95	1205.12
95128	583009.77	959415.08	1194.53
95132	580997.43	977229.21	1211.37

3000 0' 3000 6000

SCALE: 1"= 3000 FEET

FLIGHT DATE: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

F.C.D. CONTRACT NO. 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

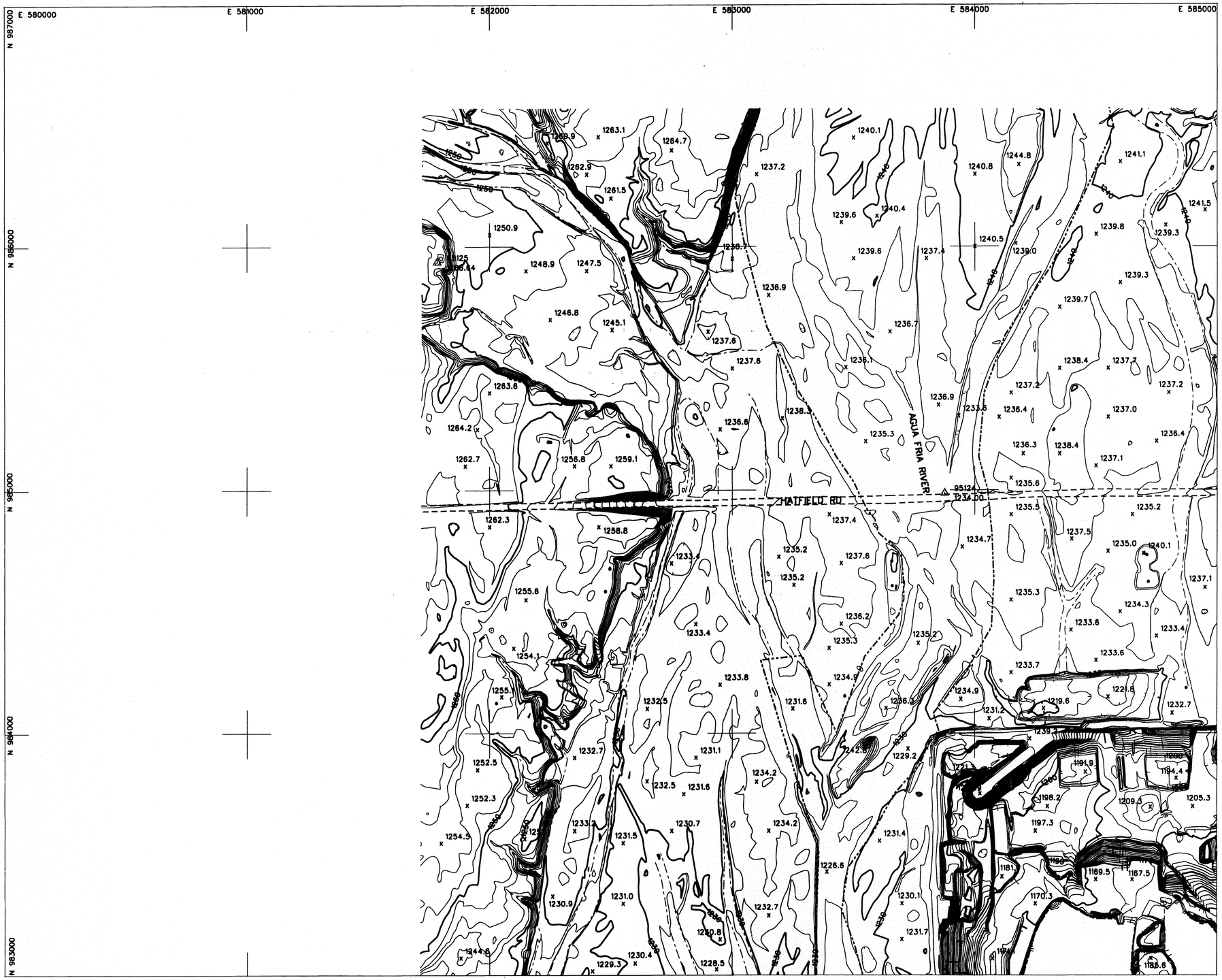
REGISTERED LAND SURVEYOR CERTIFICATE NO. 29401 JEFF S. HARRIS Signed 3-6-01 ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

Drawer 4

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

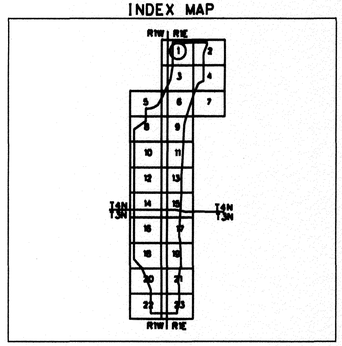
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95124	583876.13	984986.76	1234.00
95125	581784.38	985936.30	1268.64

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE MARBERS
Date Signed 3-5-2
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

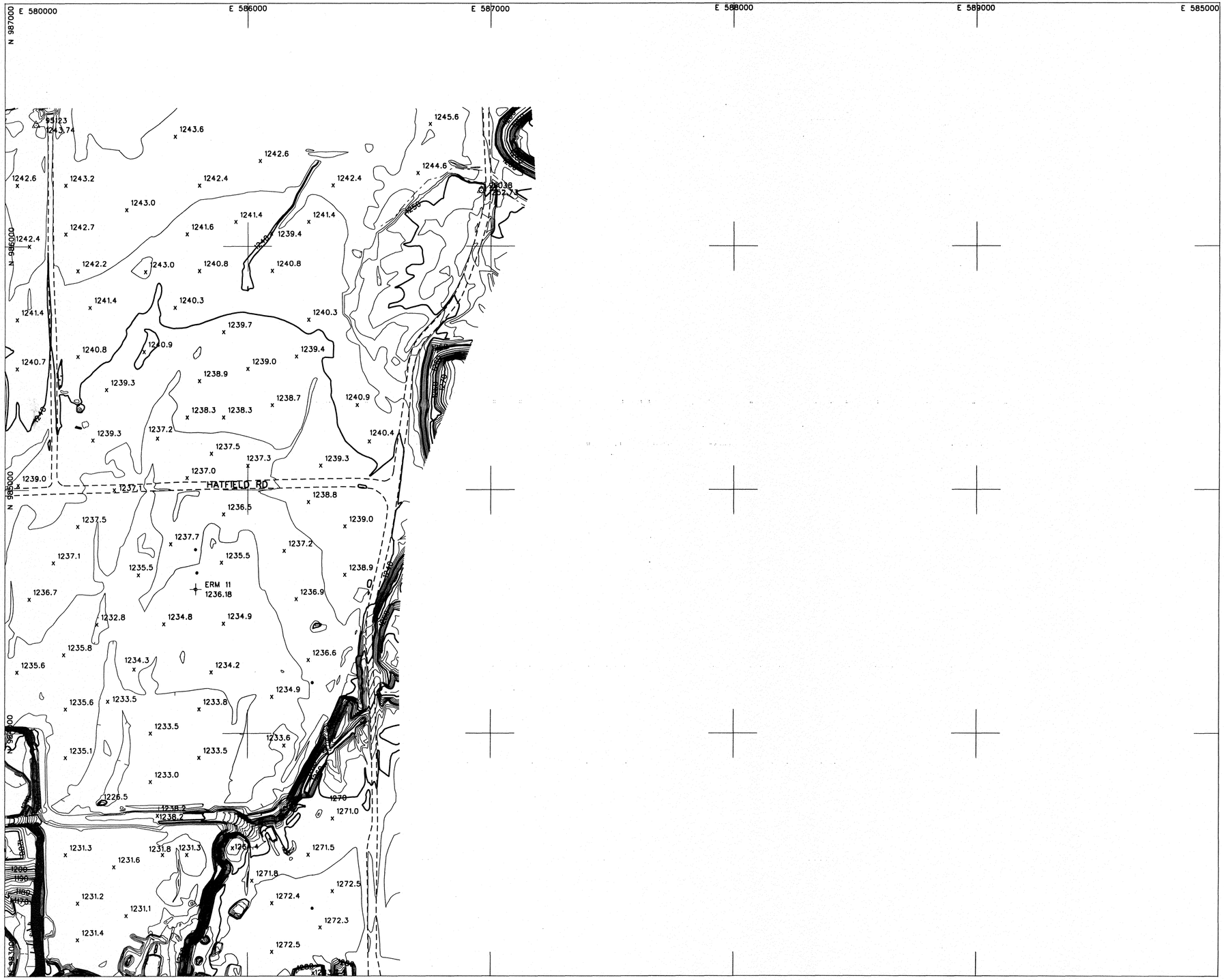
SHEET 01 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1E



LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

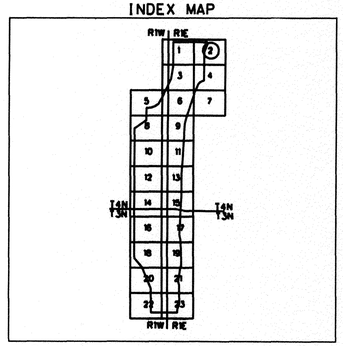
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=+ 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM=11	1236.18	Found 1/2" rebar w/aluminum cap stamped "AerialMapping Co.-AFB", +/- 800' southeast of 107th Ave and Hatfield Road

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
99038	586959.81	986228.88	1252.73
95123	585127.11	986497.19	1243.74

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 20401 — LEE A. HARBERD — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

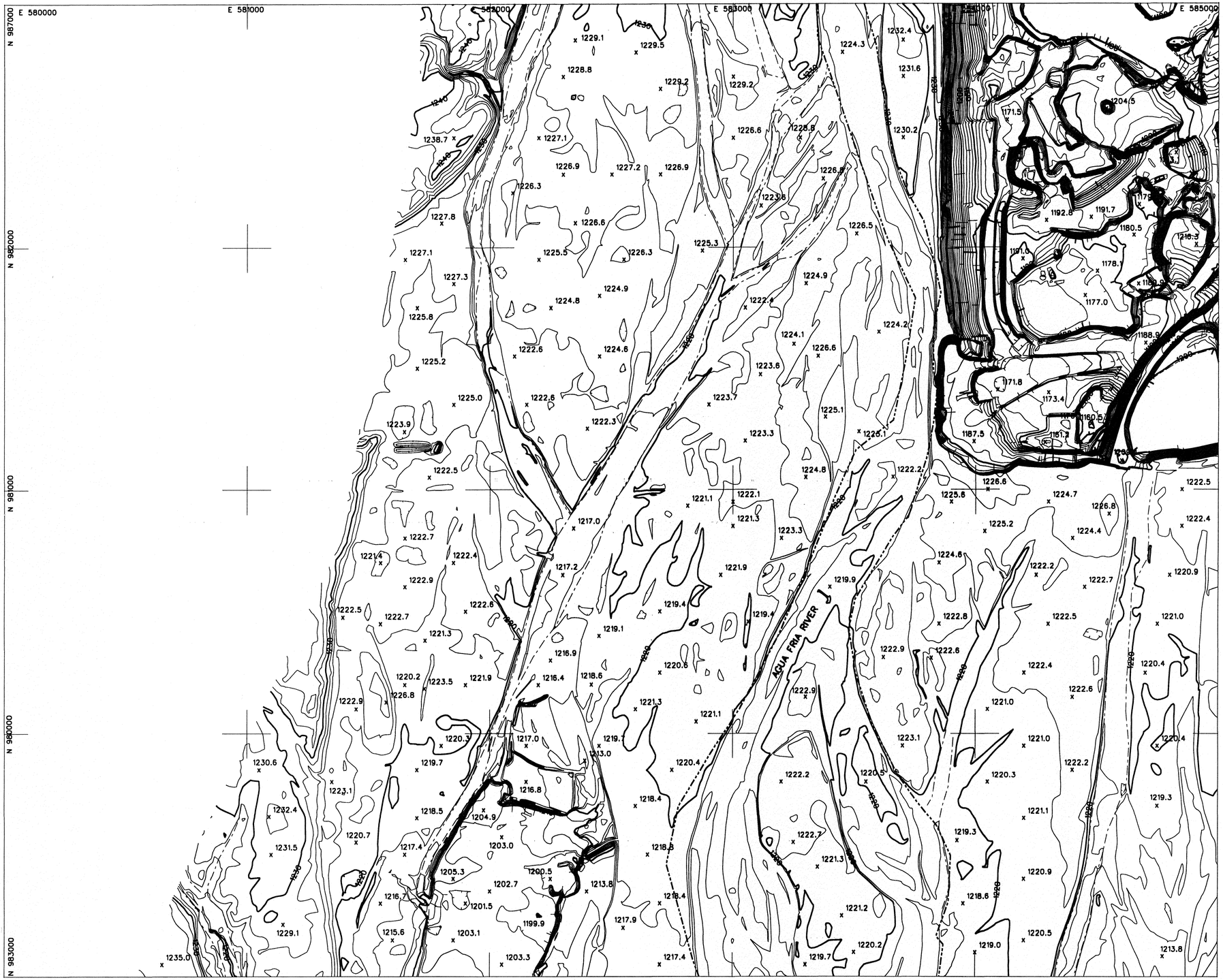
SHEET 02 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

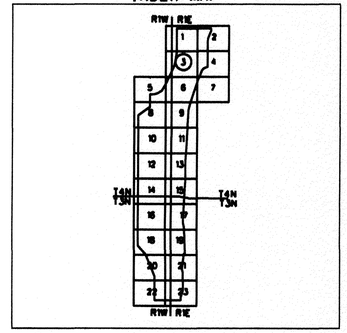
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26404 LEE HARRIS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

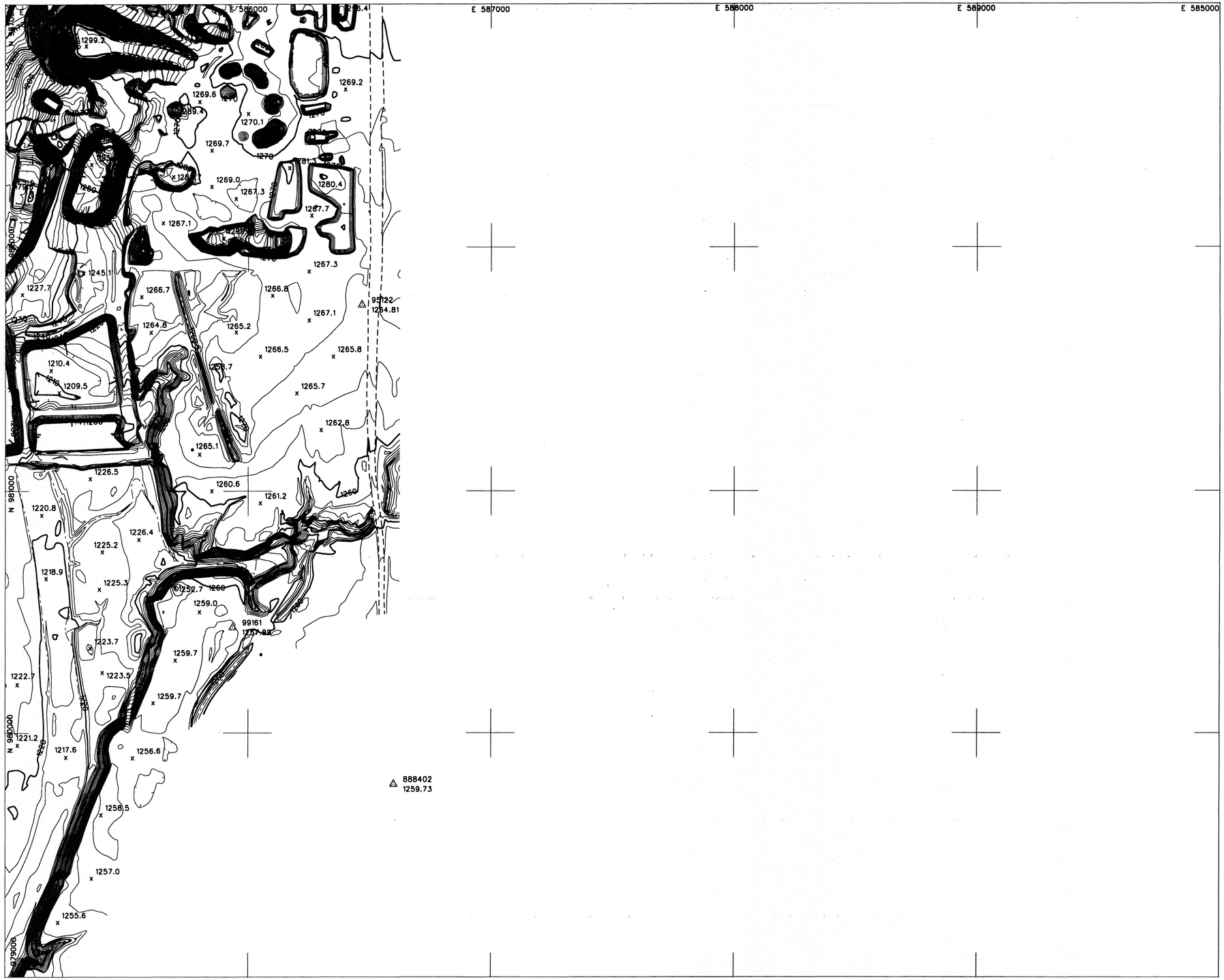
SHEET 03 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T4N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

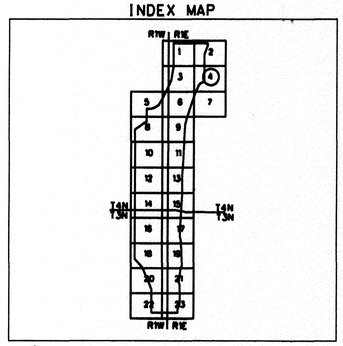
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95122	586468.43	981762.65	1264.81
99161	585937.06	980436.66	1257.89
888402	586599.86	979790.42	1259.73

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARBERS
Date Signed 03-5-01
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

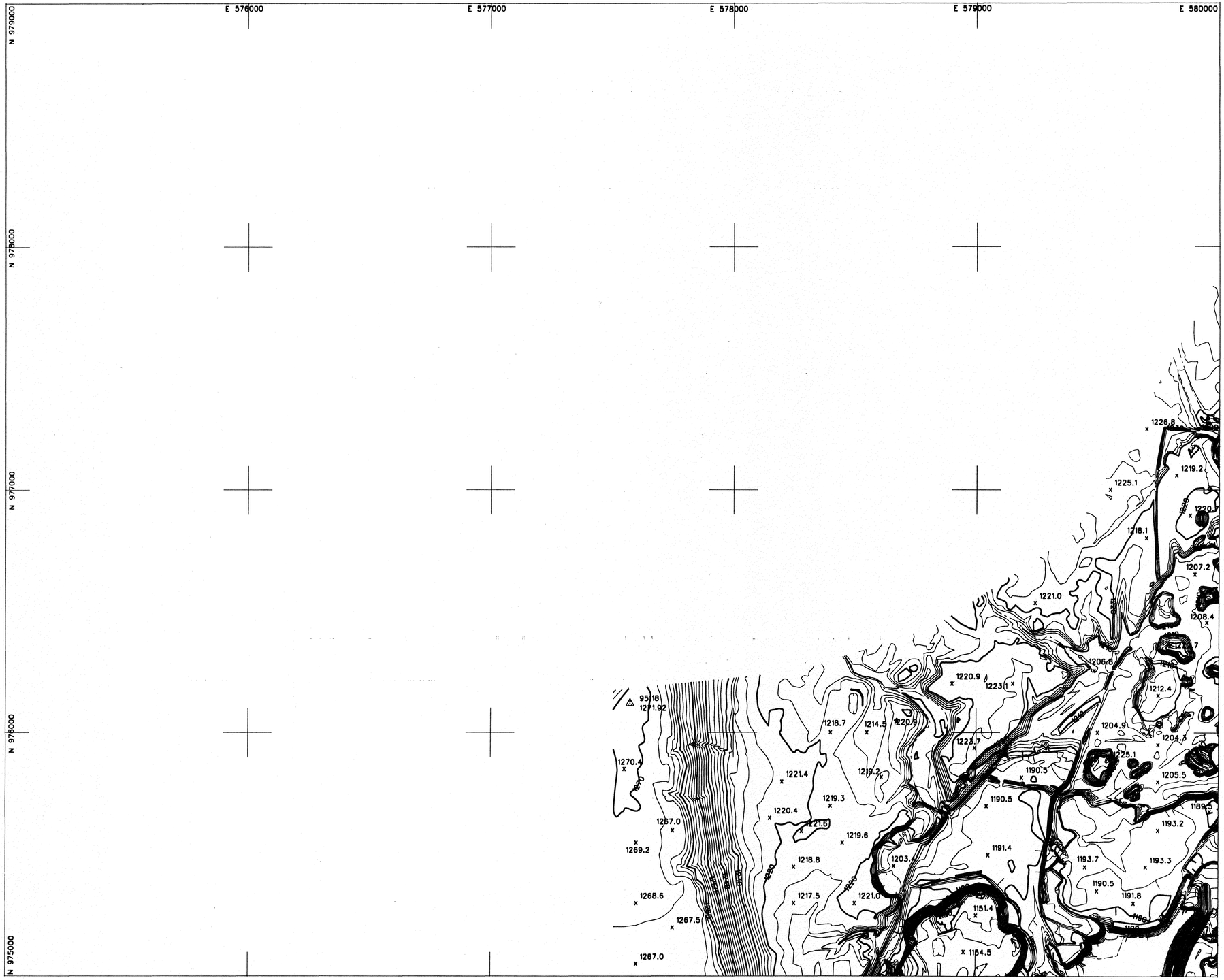
SHEET 04 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

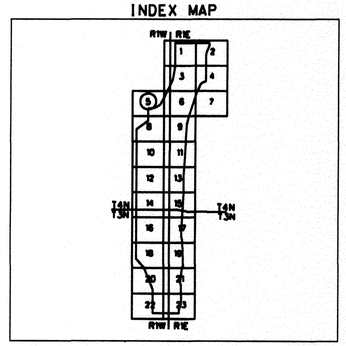
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95118	577574.16	976117.58	1271.92

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 2049 LEE HARBERS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

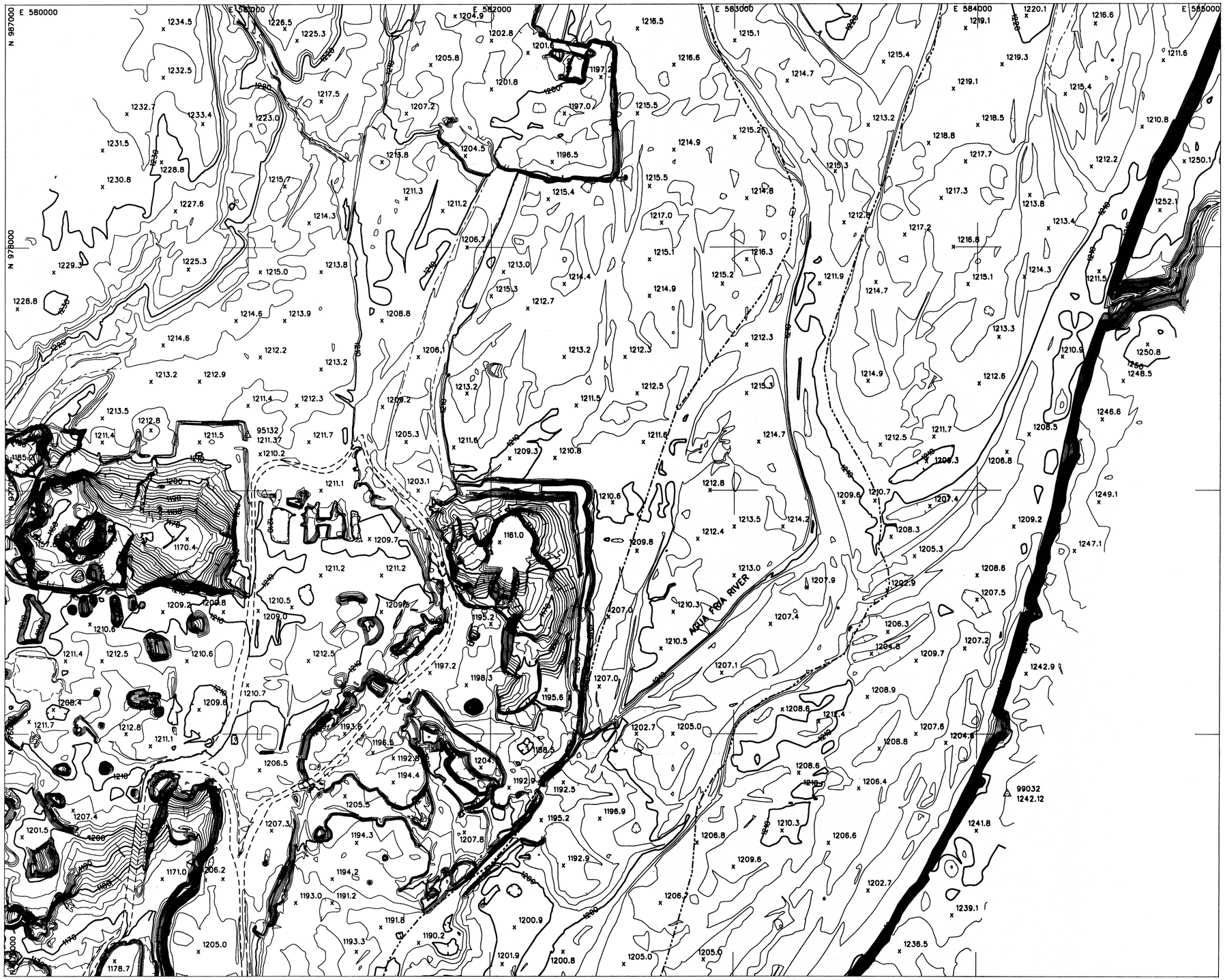
SHEET 05 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

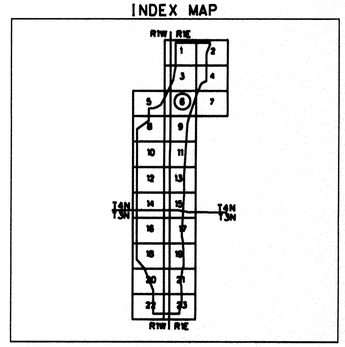
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95132	580997.43	977229.21	1211.37
99032	584126.93	975753.76	1242.12

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26401 LEE MARKERS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

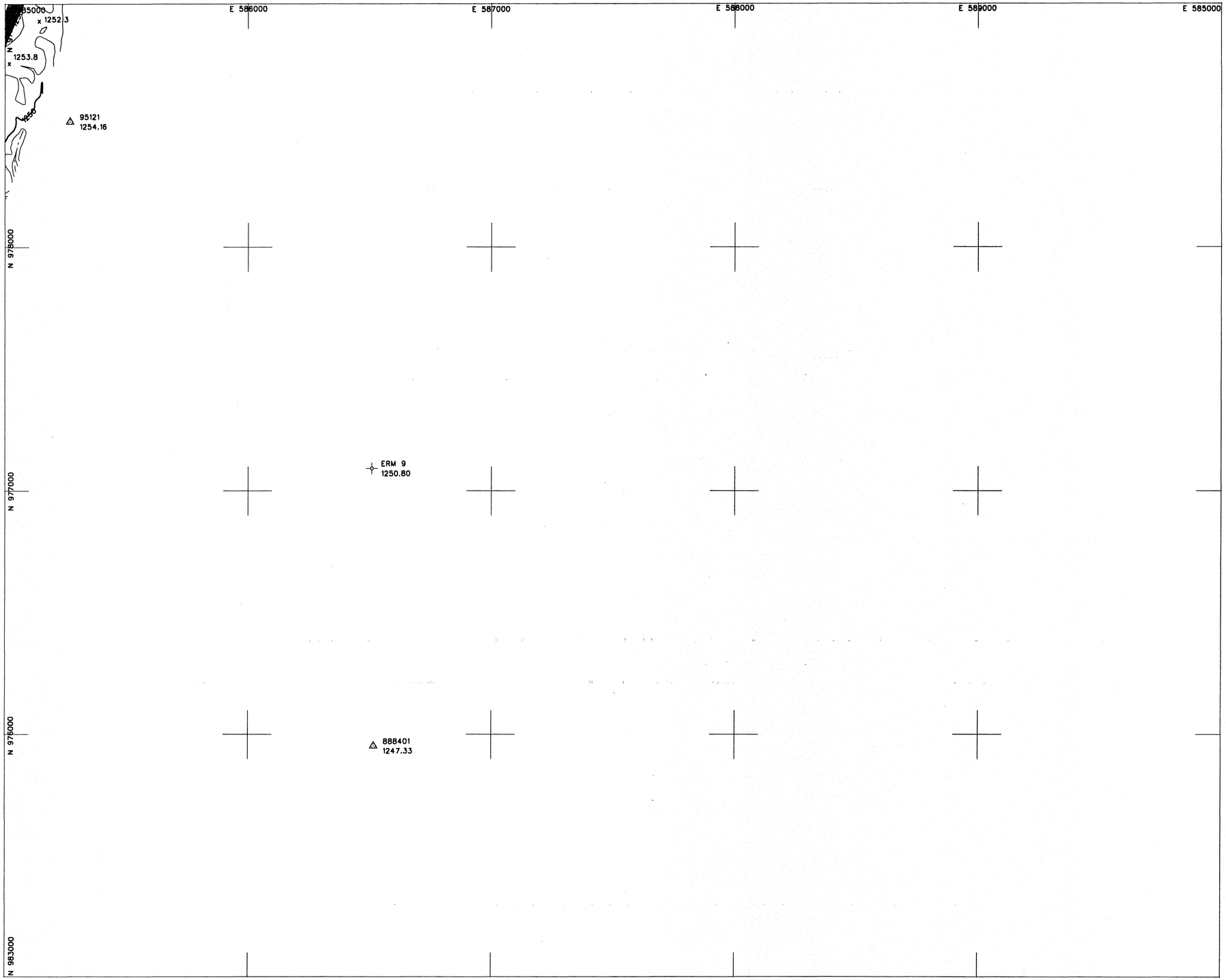
SHEET 06 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T4N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

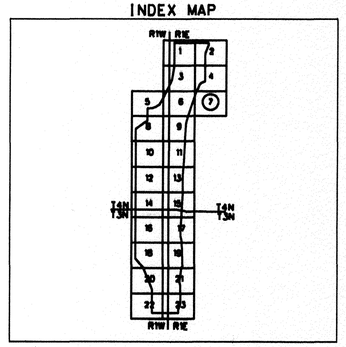
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
erm*9	1250.80	City of Peoria brass cap at the intersection of 107th Ave & West West Angels Lane

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95121	585268.17	978513.65	1254.16
888401	586517.21	975952.33	1247.33

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE MARBERS
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 07 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1E

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

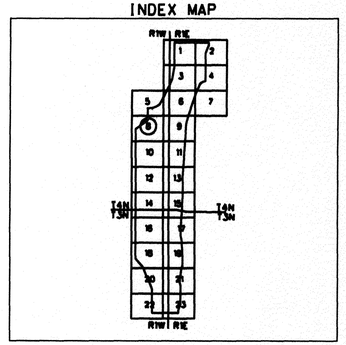
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95119	579886.27	974005.84	1198.47
99030	578343.21	973342.15	1194.00
95117	576021.88	972601.85	1245.05

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 20071 — LEE A. SANDERS — Not Valid without Signature & Seal — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 08 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N. R1W

LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

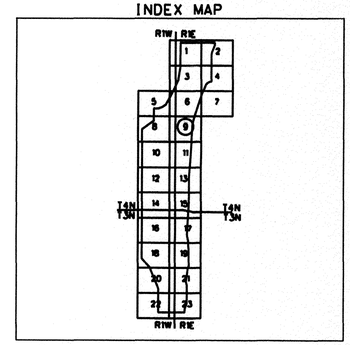
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
99031	581777.07	973180.63	1193.80
95120	583825.24	971864.94	1225.77

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO. FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 2840 LEE MARGERS Date Signed 3-5-00 ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

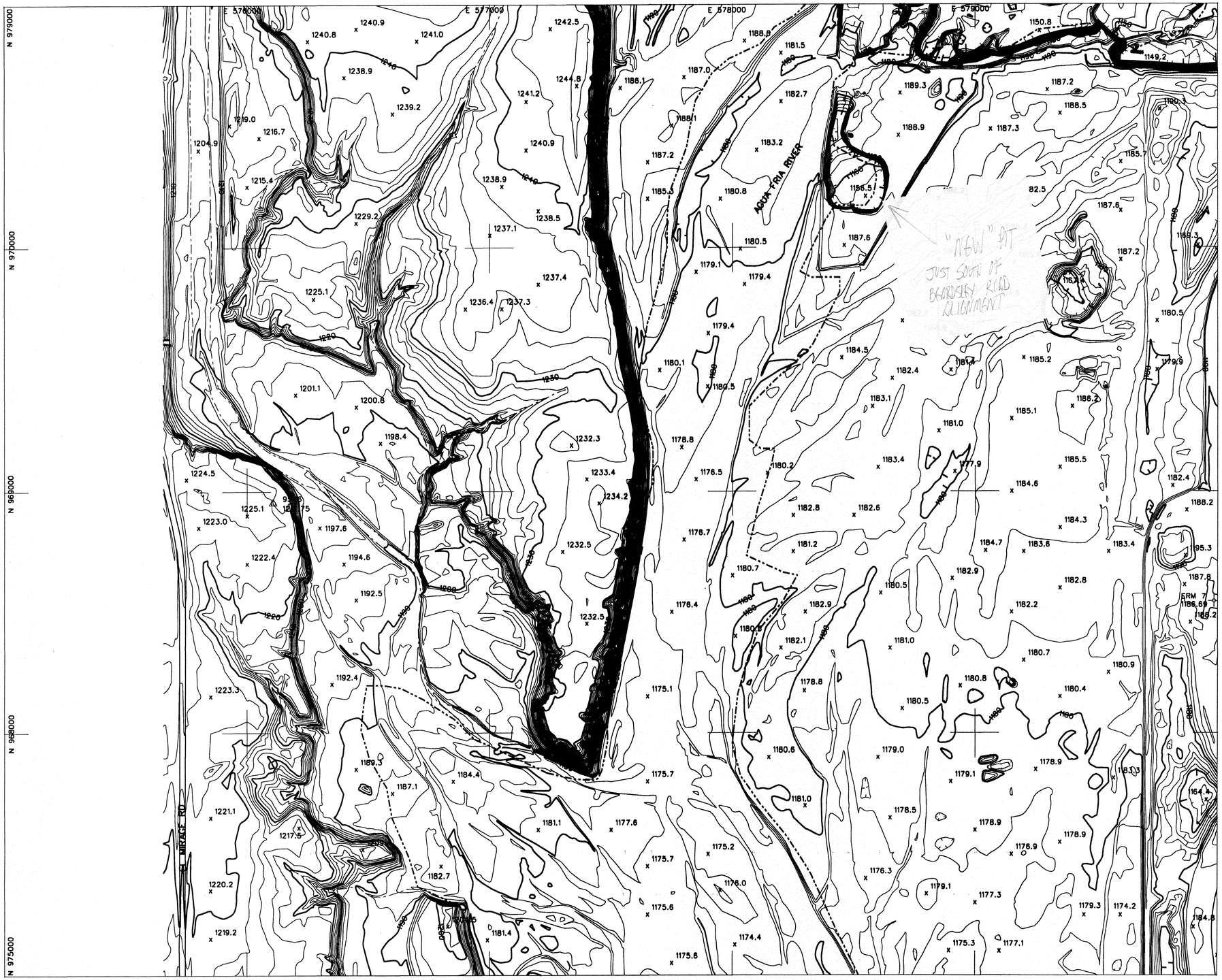
SHEET 09 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T4N, R1E



LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

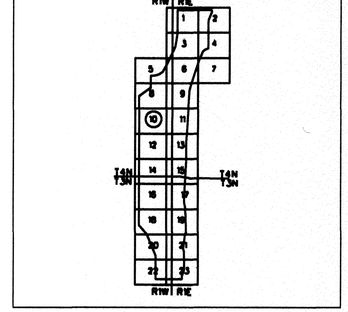
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-7	1186.89	Brass cap in Pine Mountain cul-de-sac west side of Coyote Springs Parkway

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95116	576107.10	968952.25	1221.75

INDEX MAP



N

200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29451 TIMOTHY A. WARREN ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

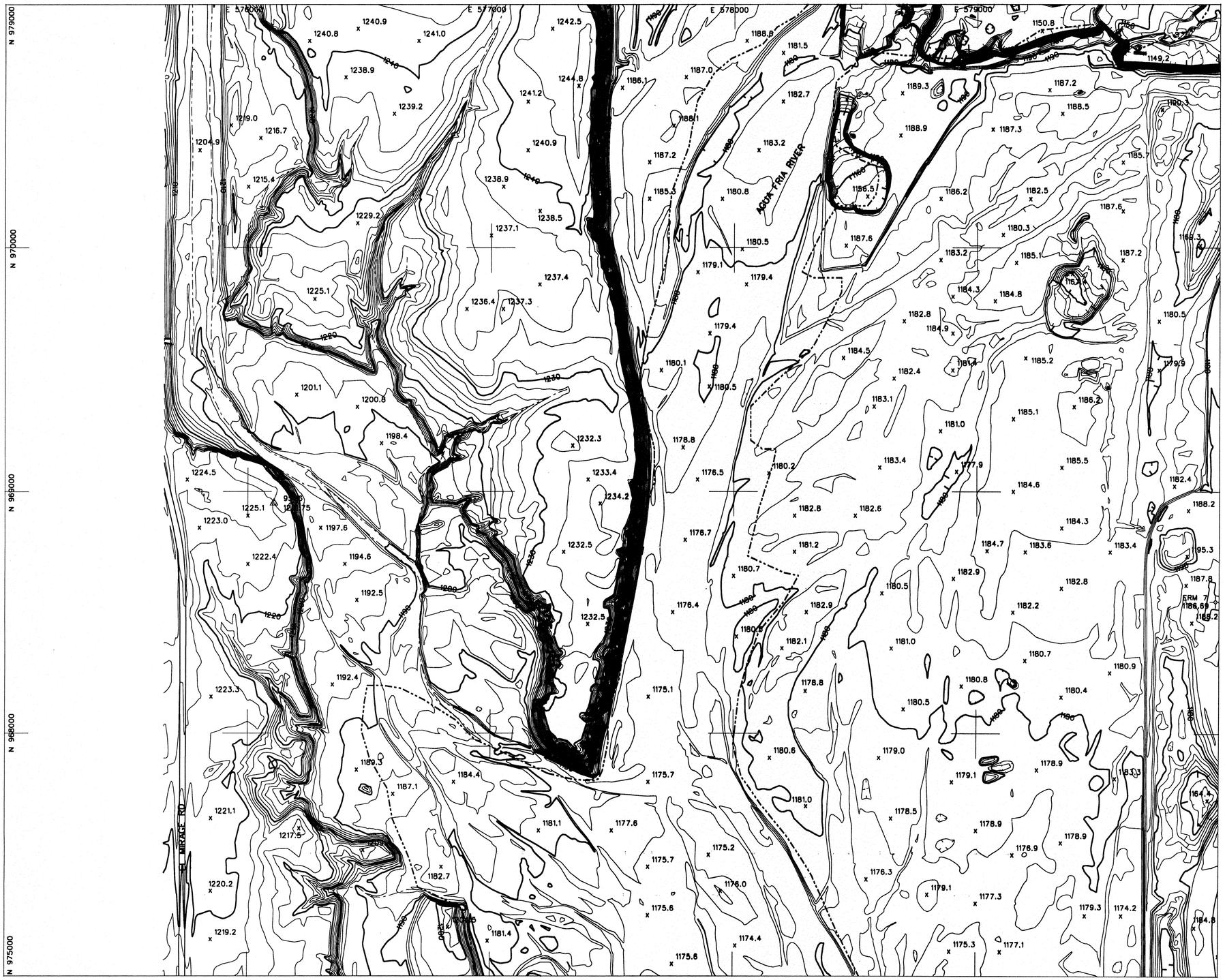
SHEET 10 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

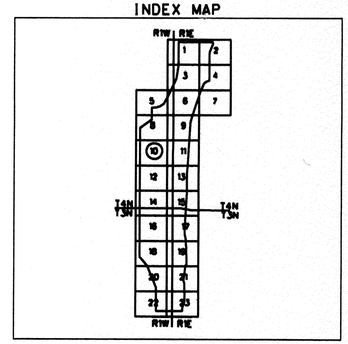
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-7	1186.89	Brass cap in Pine Mountain cul-de sac west side of Coyote Springs Parkway

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95116	576107.10	968952.25	1221.75

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 13811 JAMES L. HARRIS Expires 9-30 ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 10 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N. R1W

LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

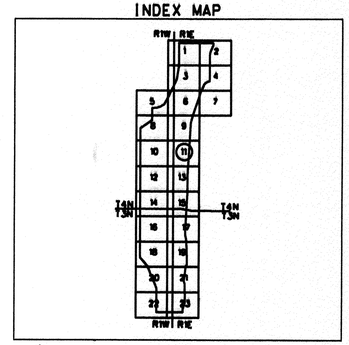
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-8	1181.74	Aluminum cap on east edge of 115th Ave. 1.5 miles north of Bell Rd.
ERM-6	1189.57	Brass cap at the intersection of Coyote Springs Parkway and 115th Drive

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
888023	583806.25	970472.14	1221.86

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. C0401 LEE HARRENS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 11 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T4N, R1E

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

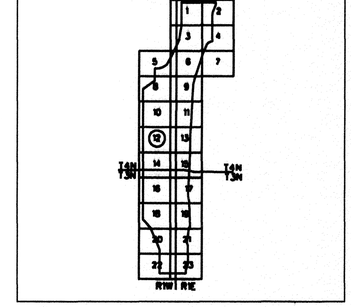
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95115	576414.04	965805.38	1205.59

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 26461 — LEE A. MAYLAND — Date Signed 8-8-01 — ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 12 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N. R1W

LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

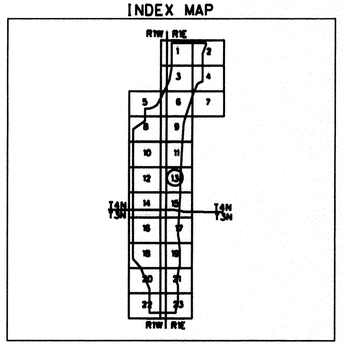
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM = 3	1173.96	City of Surprise brass cap at intersection of 116th Drive and Cactus Wren Ct.
ERM =4	1195.11	Brass cap in handhole at Union Hills & 113th Ave.

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95127	583959.81	963172.95	1205.12

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARBERS
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 13 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T4N, R1E

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

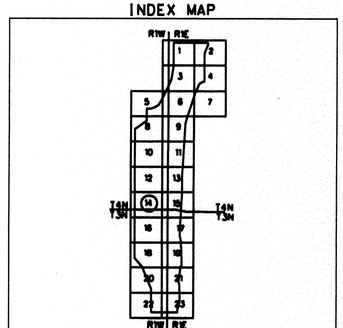
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-2	1164.34	MCDOT stainless steel rod in casing. East bank of Agua Fria River +/-150' north of Bell Road Bridge.

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95114	575859.50	962710.13	1187.12

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO. FCD 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 14 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W
T3N, R1W

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

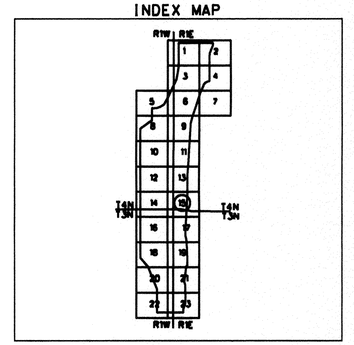
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929, CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
7001	583449.39	961717.18	1203.48
99024	582471.22	961013.24	1178.15
95128	583009.77	959415.08	1194.53

INDEX MAP



SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO. FCD 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 15 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T4N, R1W T4N, R1E
T3N, R1W T3N, R1E

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

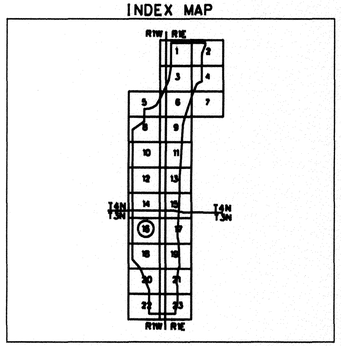
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-16	1158.90	City of Surprise brass cap at intersection of El Mirage Road and Paradise Lane

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
99022	579703.74	957250.64	1146.60

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26408
LEE HARDERS
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 16 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W

LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

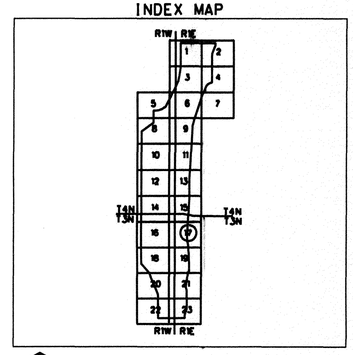
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-17	1181.76	Brass cap in cul-de-sac at west end of Forge Drive west of Agua Fria Dr.

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
7010	580263.52	957889.97	1149.27

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26540 JEFF HARRIS Signed U.S.A. ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

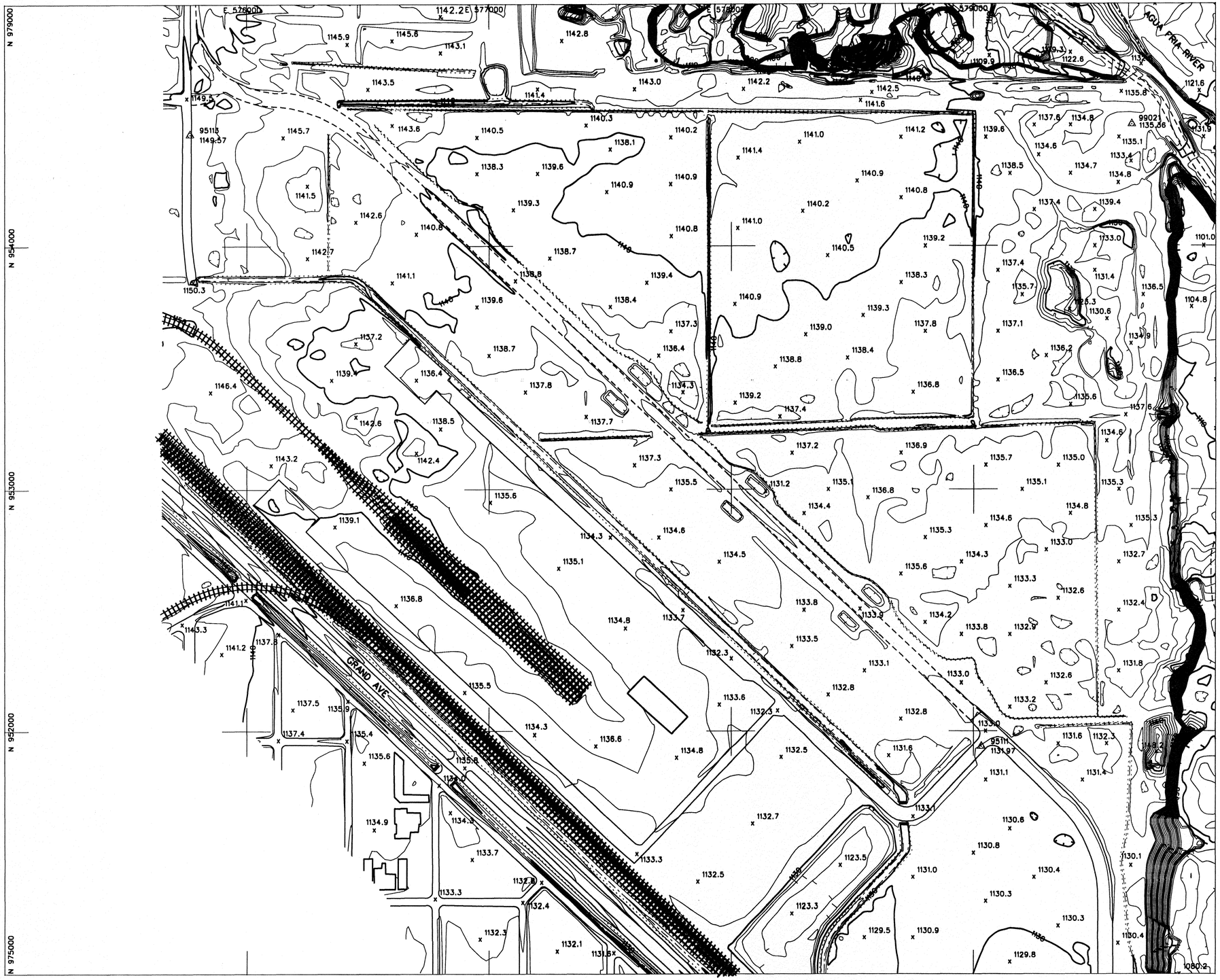
SHEET 17 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W
T3N, R1E



LEGEND

- ELEVATION REFERENCE MARK
- AERIAL CONTROL POINTS
- ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- RIVER
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS

ELEVATION REFERENCE MARKS

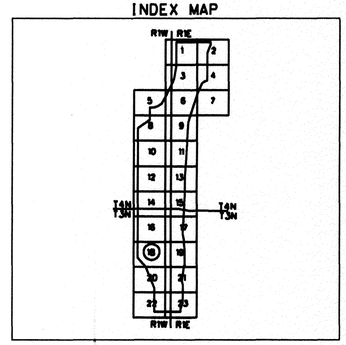
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95113	575765.48	954462.66	1149.57
95111	579032.48	951938.01	1131.97
99021	579653.73	954503.19	1135.36

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26401 LEE HARRIS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 18 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W

LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

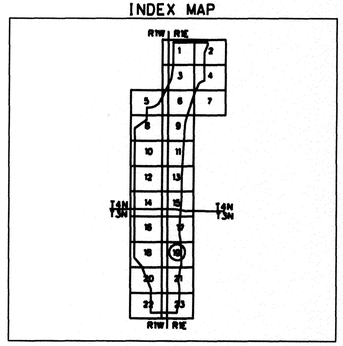
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-18	1161.99	Bras cap in cul-de-sac at west end of Mirandy Ct. west of Agua Fria Drive

PHOTOGRAMMETRIC CONTROL POINTS

POINT # X Y Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO. FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26404 LEE ARMBERG ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

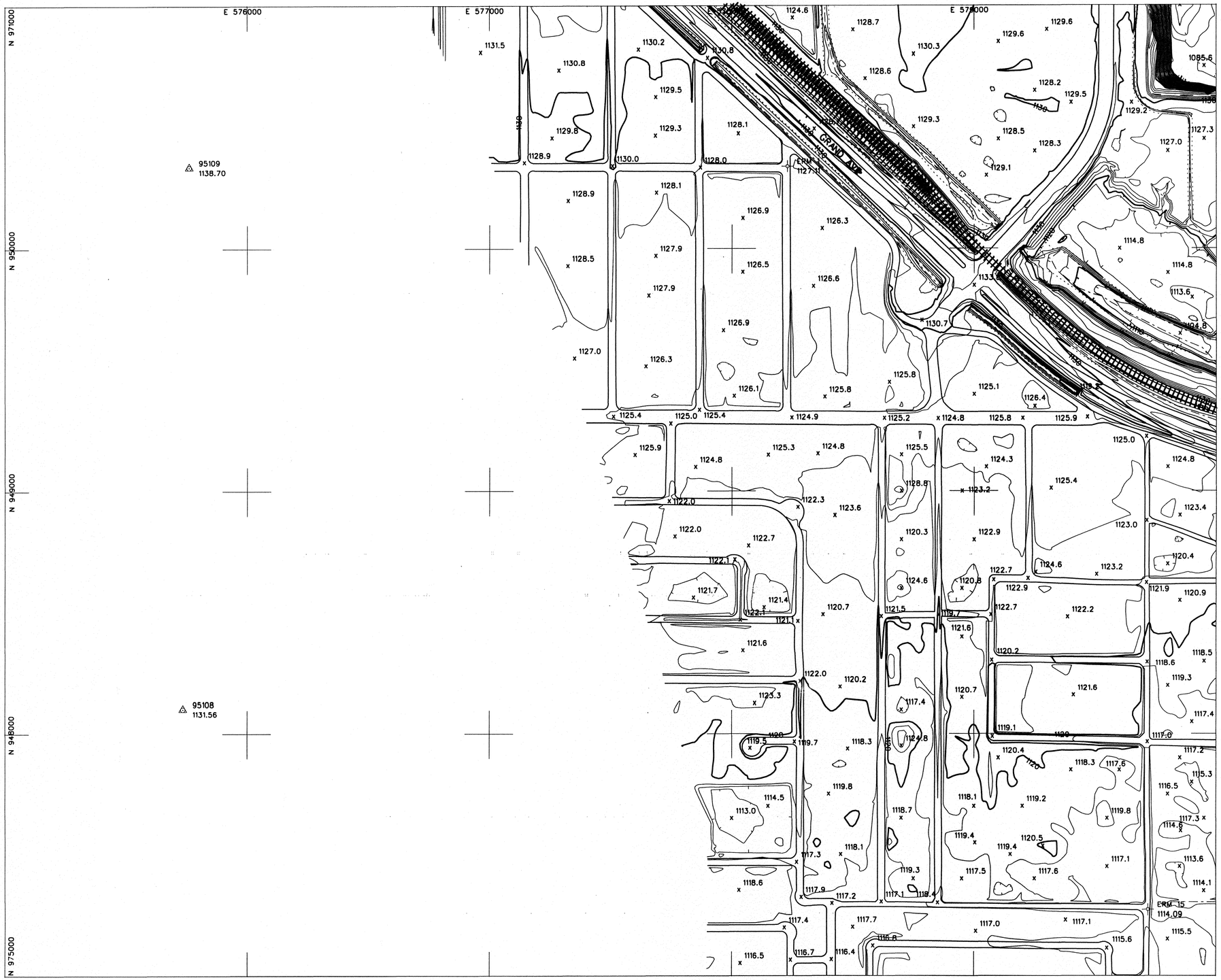
SHEET 19 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W
T3N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
ROADS
DIRT ROADS
BRIDGE
UTILITY POLES
WASH
RIVER
POND
CANAL
TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

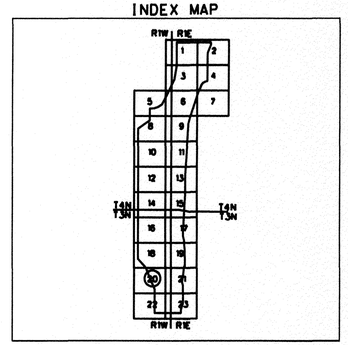
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM#1	1127.11	Maricopa County brass cap at intersection of Ventura & ElFrio
ERM#15	1114.09	City of Peoria brass cap in intersection of Main & Meyer

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95109	575760.23	950335.58	1138.70
95108	575734.61	948102.83	1131.56

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26401 LEE HARDERS ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 20 OF 23

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PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W

LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
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WASH
RIVER
POND
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TRANSMISSION TOWERS
BUILDINGS

ELEVATION REFERENCE MARKS

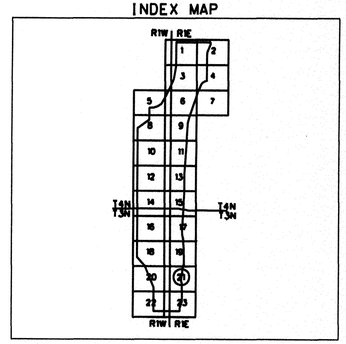
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM*5	1120.71	Found stone with chisled "+" at the southwest corner of Section 7, T3N,R1E
ERM*12	1148.63	Found 3-1/2" disc on canal headwall on east side of 111th Ave., north side of Grand Ave

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
99018	582124.11	948479.71	1135.01
99019	582696.23	951863.53	1157.45

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO. FCD 1999 C048

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26401 LEE HARGER ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

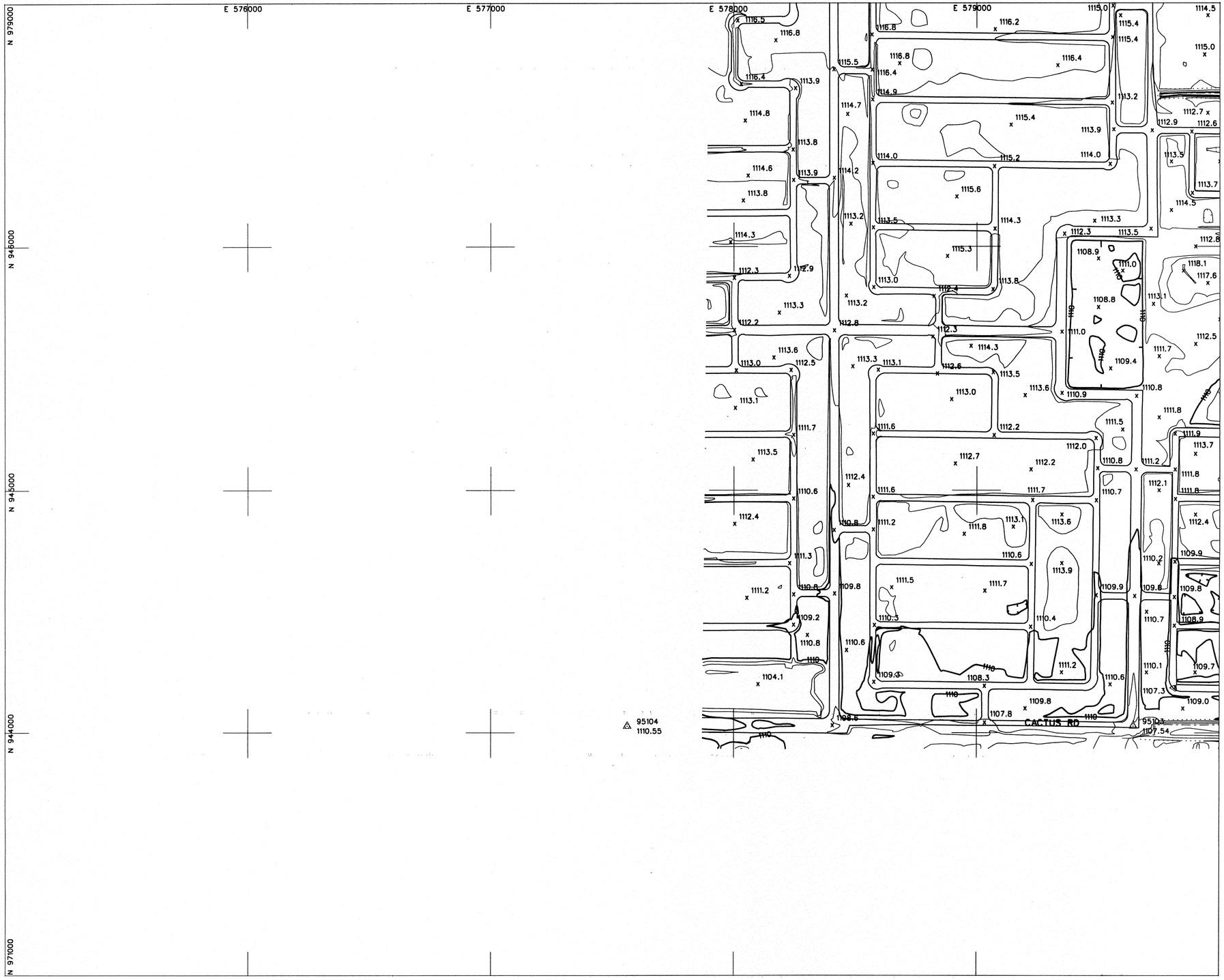
SHEET 21 OF 23

THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W
T3N, R1E



LEGEND

ELEVATION REFERENCE MARK
AERIAL CONTROL POINTS
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DIRT ROADS
BRIDGE
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ELEVATION REFERENCE MARKS

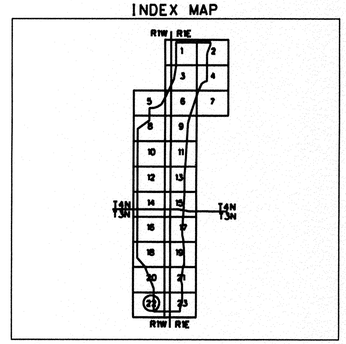
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

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

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95103	579645.42	944028.49	1107.54
95104	577562.04	944027.39	1110.55

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARDERS
Date Signed 3-5-01
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 22 OF 23

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PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W

LEGEND

ELEVATION REFERENCE MARK
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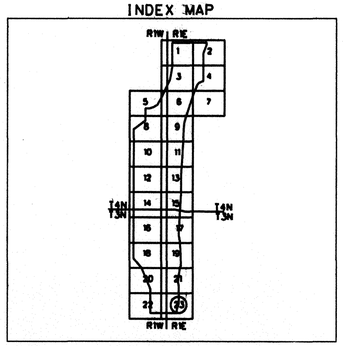
NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. CONVERSION FACTOR 1929 NGVD TO 1988 NAVD=± 1.907 (FEET)

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM-14	1128.91	Found nail in handwell in centerline of 113th Ave. +/- 200' north of Alabama Ave.

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
95102	582749.01	946202.35	1140.52

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 1-10-2000

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AGUA FRIA FLOODPLAIN DELINEATION AND SEDIMENT TRANSPORT STUDY

CONTRACT NO.
FCD 1999 C048

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARRIS
Date Signed 3-5-6
ARIZONA U.S.A.

DTM INC.
1075 E. FT. LOWELL ROAD
TUCSON, AZ. 85719

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 23 OF 23

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PHOTOGRAMMERTRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

GROUND CONTROL SURVEY DATA PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

T3N, R1W
T3N, R1E