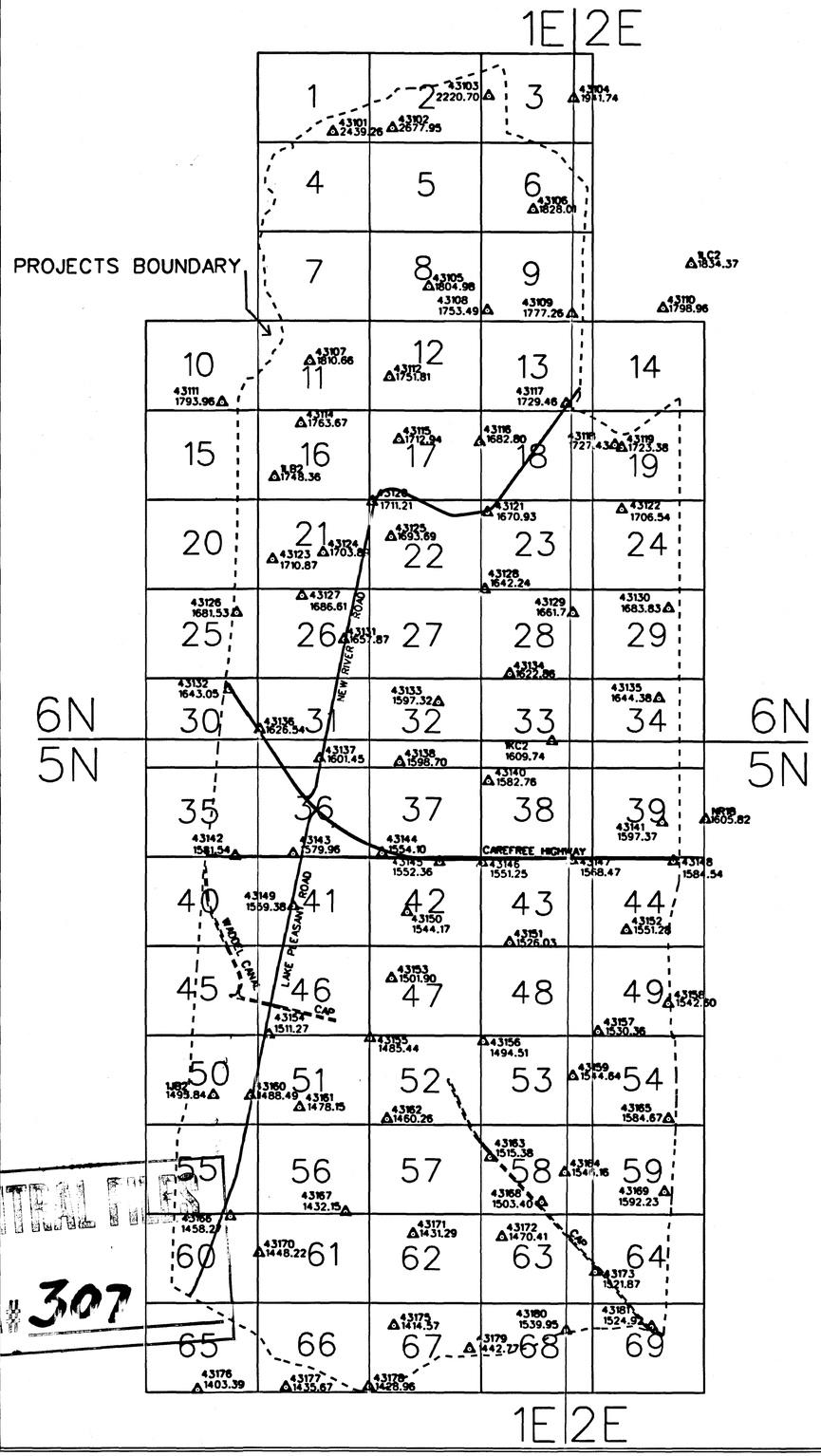


PHOTOGRAMMETRIC CONTROL POINTS

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = +1.907

I.D. NUMBER	EASTING	NORTHING	ELEVATION
1LC2	618413.704	1044568.635	1834.37
1LB2	599742.035	1035004.321	1748.36
NR18	619051.696	1019694.560	1605.82
1JB2	597026.097	1007327.314	1495.84
1KC2	612178.576	1023201.706	1609.74
43101	602350.878	1050461.431	2439.26
43102	605020.983	1050639.112	2677.95
43103	609344.645	1052091.718	2220.70
43104	613149.690	1051982.498	1941.74
43105	606652.420	1043544.678	1804.99
43106	611335.103	1047005.961	1828.02
43107	601322.028	1040198.318	1810.66
43108	609281.076	1042476.893	1753.49
43109	613078.893	1042331.177	1777.26
43110	617160.884	1042592.888	1798.96
43111	597408.011	1038352.787	1793.96
43112	604888.963	1039486.150	1751.81
43114	600927.289	1037409.016	1763.67
43115	605318.332	1036692.632	1712.94
43116	608944.103	1036589.952	1682.80
43117	612815.499	1038313.149	1729.46
43118	614998.512	1036474.827	1727.43
43119	615306.587	1036349.133	1723.38
43120	604125.260	1033909.278	1711.21
43121	609288.826	1033443.546	1670.93
43122	615308.956	1033591.893	1706.54
43123	599659.337	1031318.198	1710.87
43124	601923.599	1031630.200	1703.89
43125	604970.535	1032335.406	1693.69
43126	598061.992	1028933.666	1681.53
43127	600971.759	1029690.802	1686.61
43128	609166.719	1029990.393	1642.24
43129	613111.594	1028940.172	1661.70
43130	617402.286	1029163.012	1683.83
43131	602860.294	1027729.311	1657.87
43132	597703.780	1025483.725	1643.05
43133	607081.996	1024944.410	1597.32
43134	610290.645	1026213.522	1622.86
43135	616966.473	1025124.314	1644.38
43136	599076.505	1023684.639	1626.54
43137	601773.478	1022390.199	1601.45
43138	605355.047	1022245.230	1598.70
43140	609332.632	1021392.178	1582.76
43141	617117.696	1019569.300	1597.37
43142	598006.179	1018028.534	1581.54
43143	600584.864	1018124.830	1579.96
43144	604565.349	1018161.656	1554.30
43145	607141.510	1017778.302	1552.36
43146	609055.914	1017738.259	1551.25
43147	613094.125	1017847.070	1568.47
43148	617622.886	1017822.655	1584.54
43149	600591.240	1015771.934	1559.38
43150	605699.414	1015526.411	1544.17
43151	610282.687	1014164.330	1526.03
43152	615510.129	1014731.852	1551.28
43153	604992.217	1012550.248	1501.90
43154	599498.552	1010018.383	1511.27
43155	604020.078	1009864.796	1485.44
43156	609090.733	1009737.436	1494.51
43157	614236.891	1010183.505	1530.36
43158	617395.207	1011449.557	1542.60
43159	613111.643	1008180.951	1544.64
43160	598674.070	1007280.298	1488.49
43161	600870.694	1006767.056	1478.15
43162	604794.780	1006254.896	1460.26
43163	609398.810	1004540.651	1515.38
43164	612752.770	1003873.260	1546.08
43165	617412.850	1006285.770	1584.57
43166	597786.891	1001875.982	1458.27
43167	602931.732	1002066.043	1432.15
43168	611726.027	1002543.813	1503.40
43169	617222.119	1003003.552	1592.23
43170	599059.663	1000226.492	1448.22
43171	605964.132	1001103.612	1431.29
43172	609945.071	1000975.776	1470.41
43173	614108.702	999413.664	1521.87
43175	605096.018	996993.593	1414.57
43176	596313.588	994117.401	1404.39
43177	600251.332	994214.132	1435.67
43178	603963.764	994250.760	1428.96
43179	608494.320	995959.530	1442.77
43180	612815.793	996778.972	1539.95
43181	616654.563	996959.556	1524.92

COVER SHEET AND INDEX

3000 0' 3000 6000
SCALE: 1"= 3000 FEET
FLIGHT DATE: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING
F.C.D. CONTRACT NO. 2001C051

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 26401 — LEE W. KREMPS — Expires 6-30-04 — ARIZONA U.S.A.

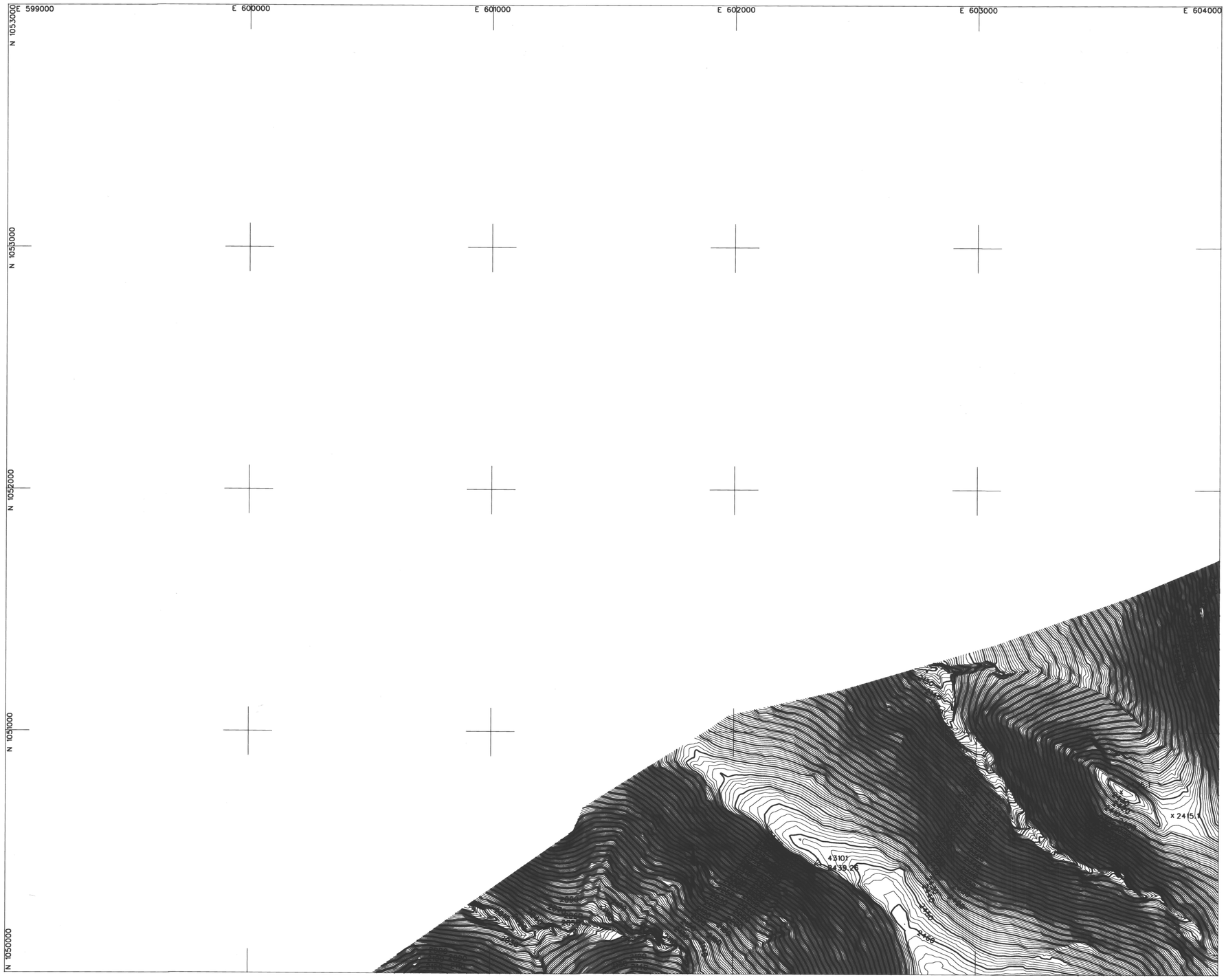
DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

CENTRAL FILES
DRAWER # 307

PHOTOGRAMMETRY PROVIDED BY: DATABASED TERRAIN MAPPING, INC.

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



LEGEND

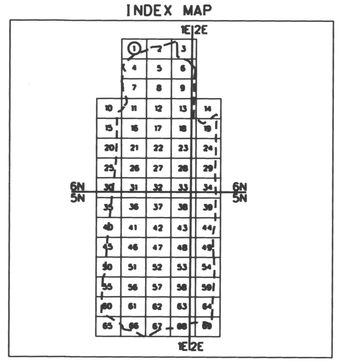
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43101	602350.878	1050461.431	2439.26

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARBERS
Expires 2-25-4
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

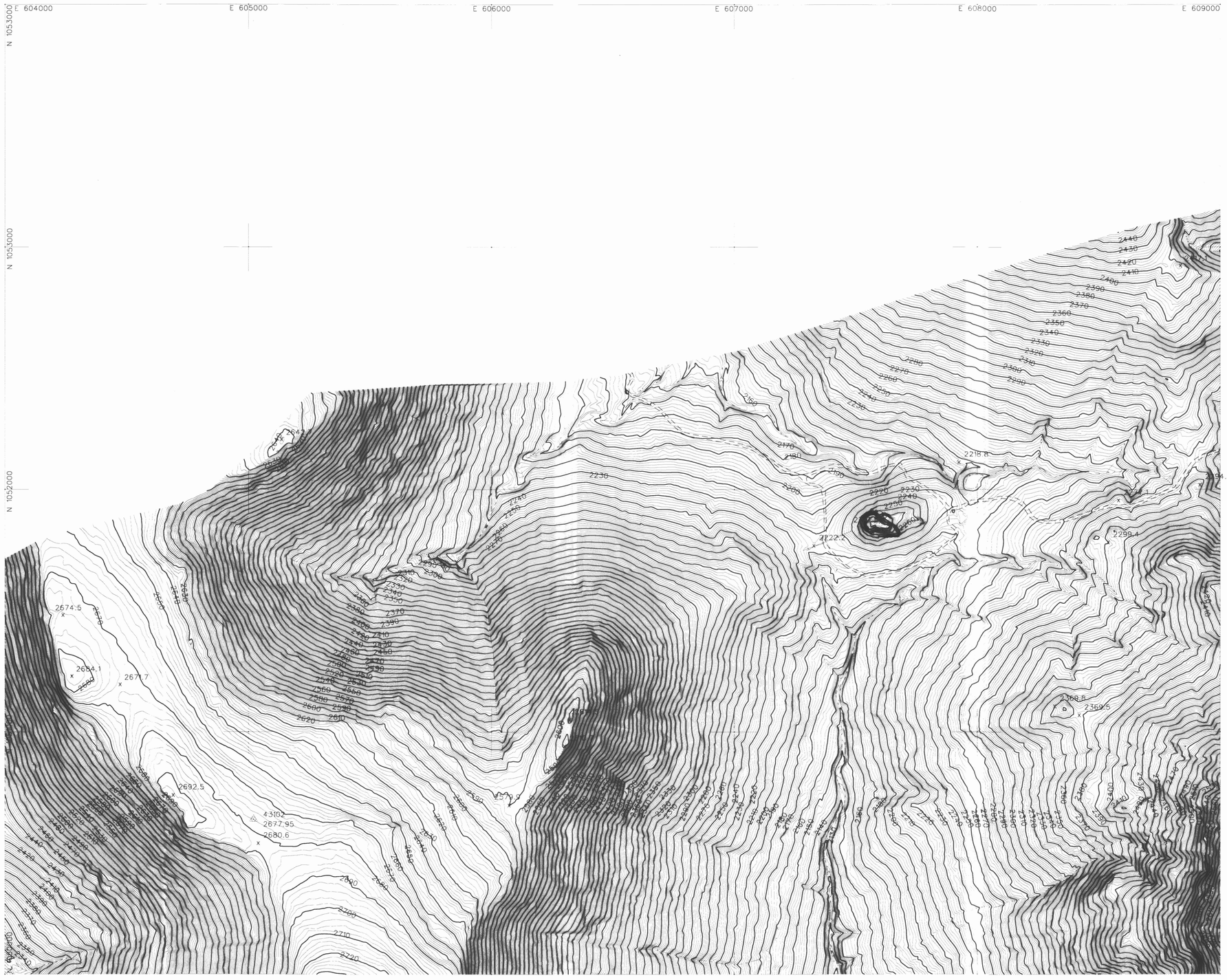
SHEET 01 OF 69

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.

T6N, R1E



LEGEND

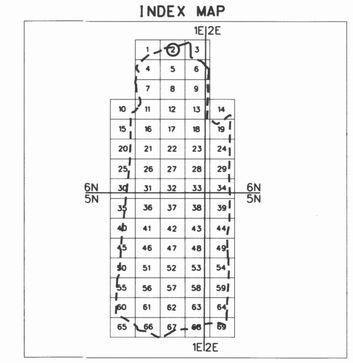
AERIAL CONTROL POINTS	
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43102	605020.983	1050639.112	2677.95

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

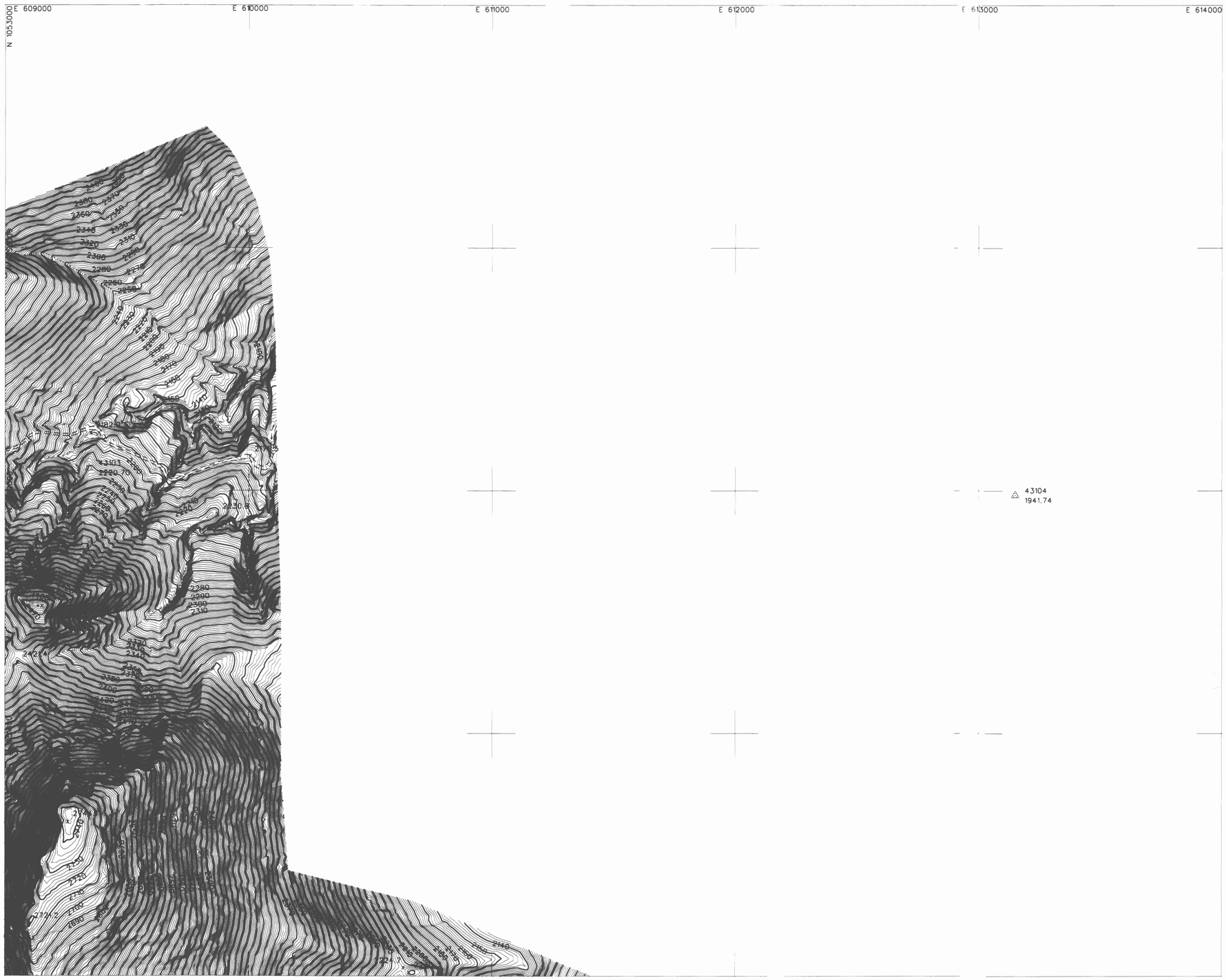
SHEET 02 OF 69

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.

T6N, R1E



LEGEND

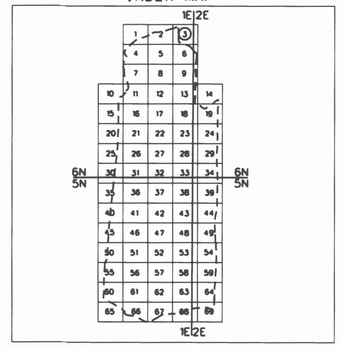
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43103	609344.645	1052091.718	2220.70
43104	613149.690	1051982.498	1941.74

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

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

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

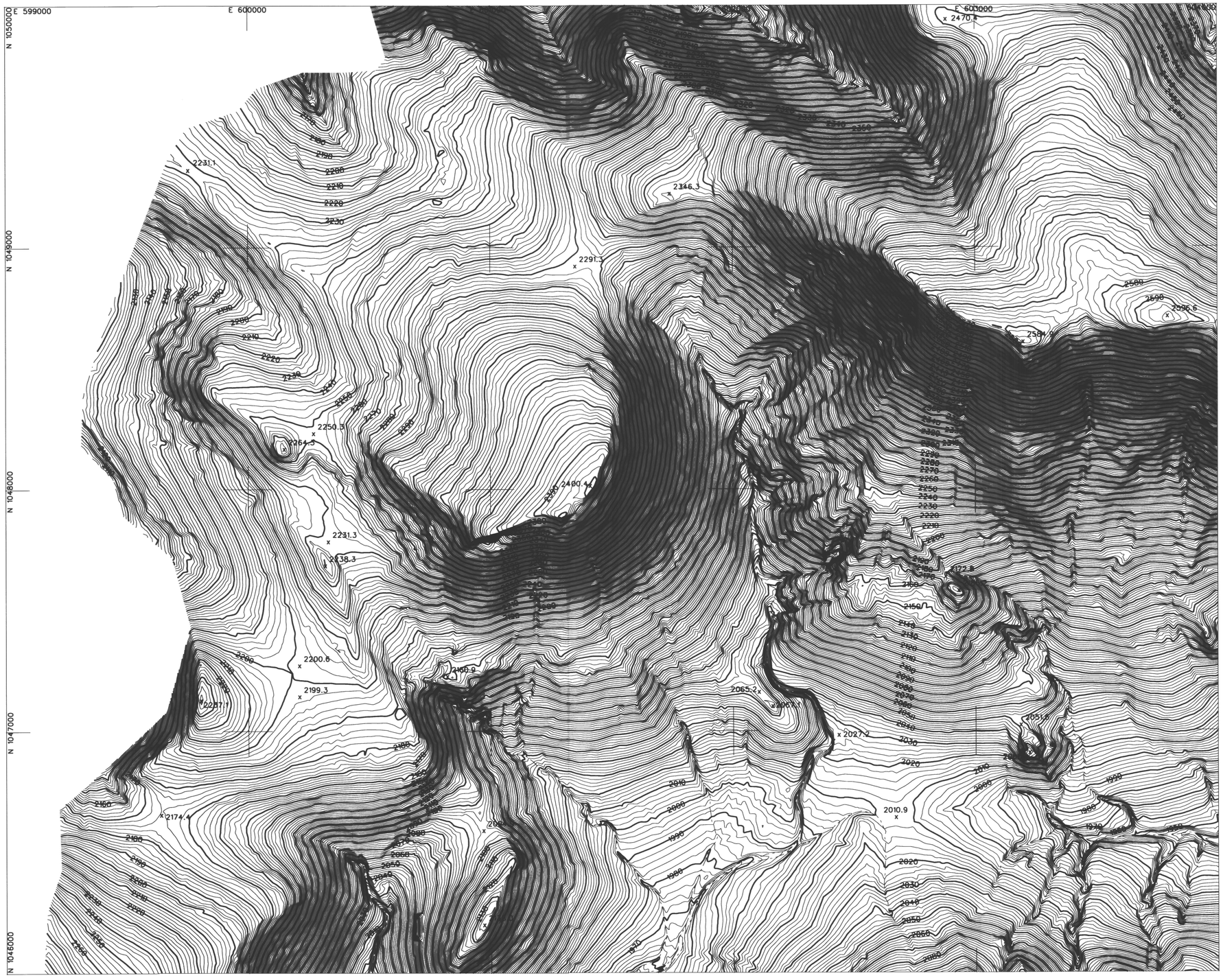
SHEET 03 OF 69

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.

T6N. R1E
T6N. R2E



LEGEND

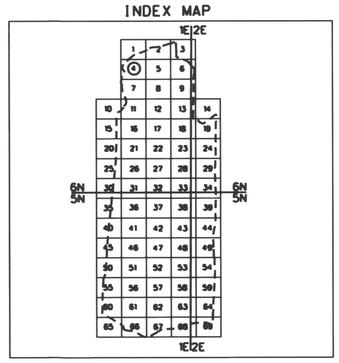
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

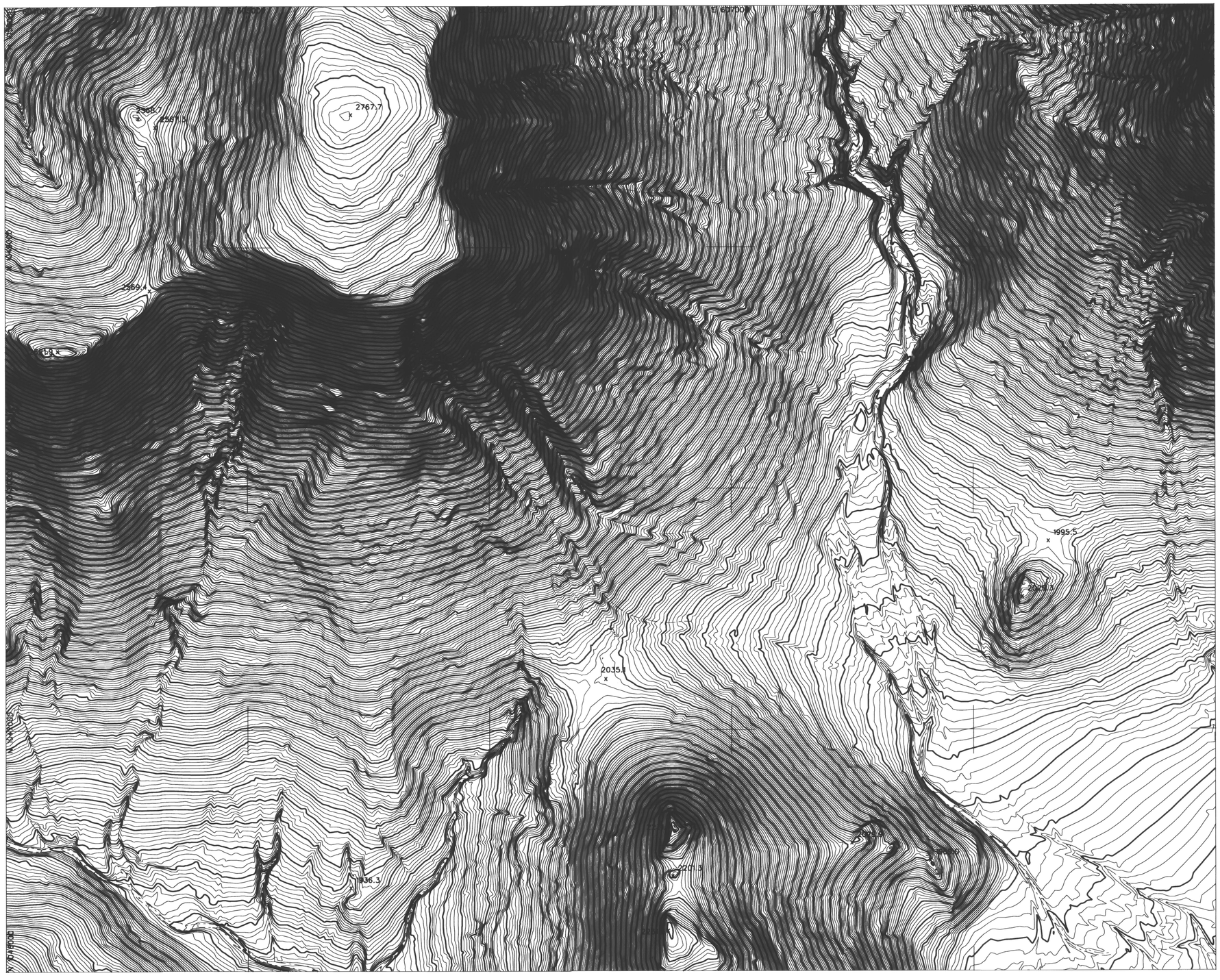
SHEET 04 OF 69

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.

T6N. R1E



LEGEND

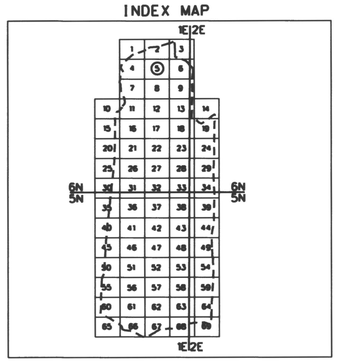
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT # X Y Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

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

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

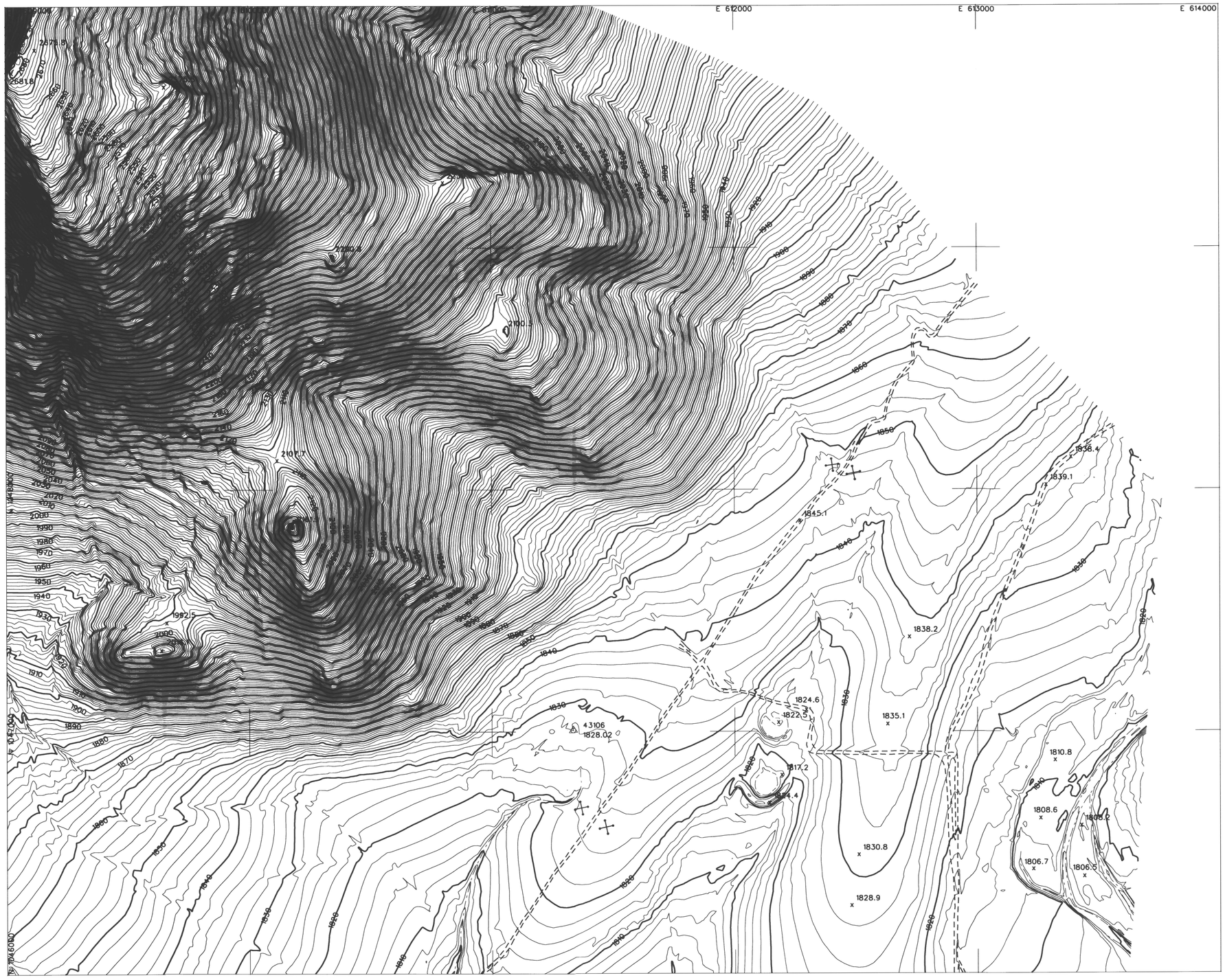
SHEET 05 OF 69

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.

T6N, R1E



LEGEND

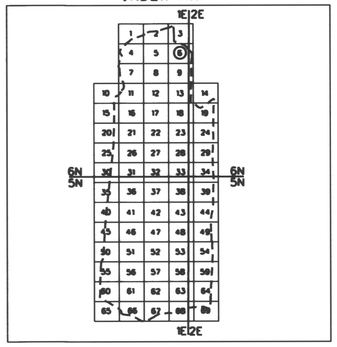
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43106	611335.103	1047005.961	1828.02

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 28407 — LEE HARRIS — Signed 4-15-04 — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 308
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

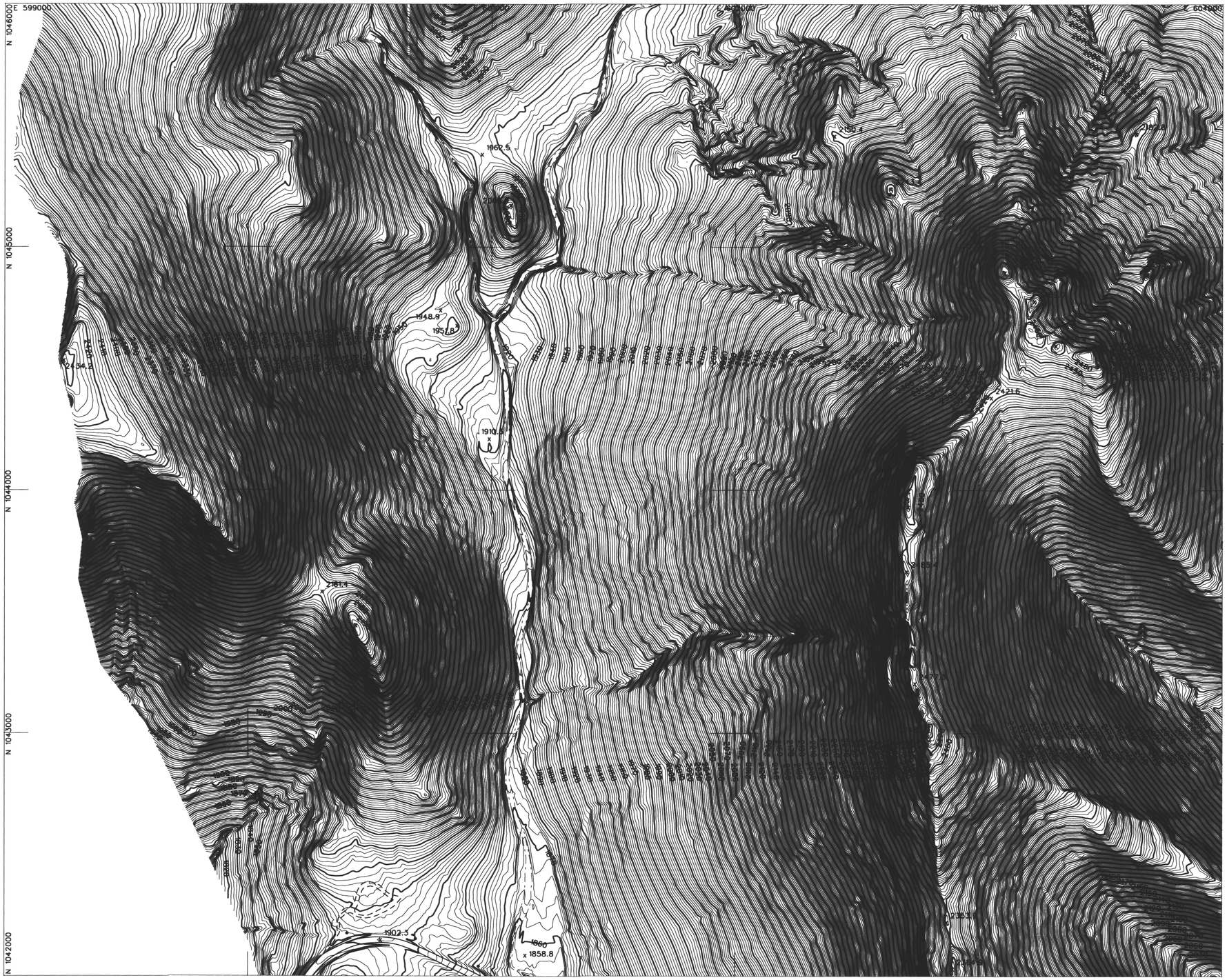
SHEET 06 OF 69

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.

T6N, R1E
T6N, R1E



LEGEND

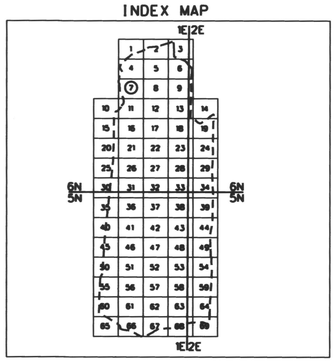
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 22465 — JAMES LEE MARKUS — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

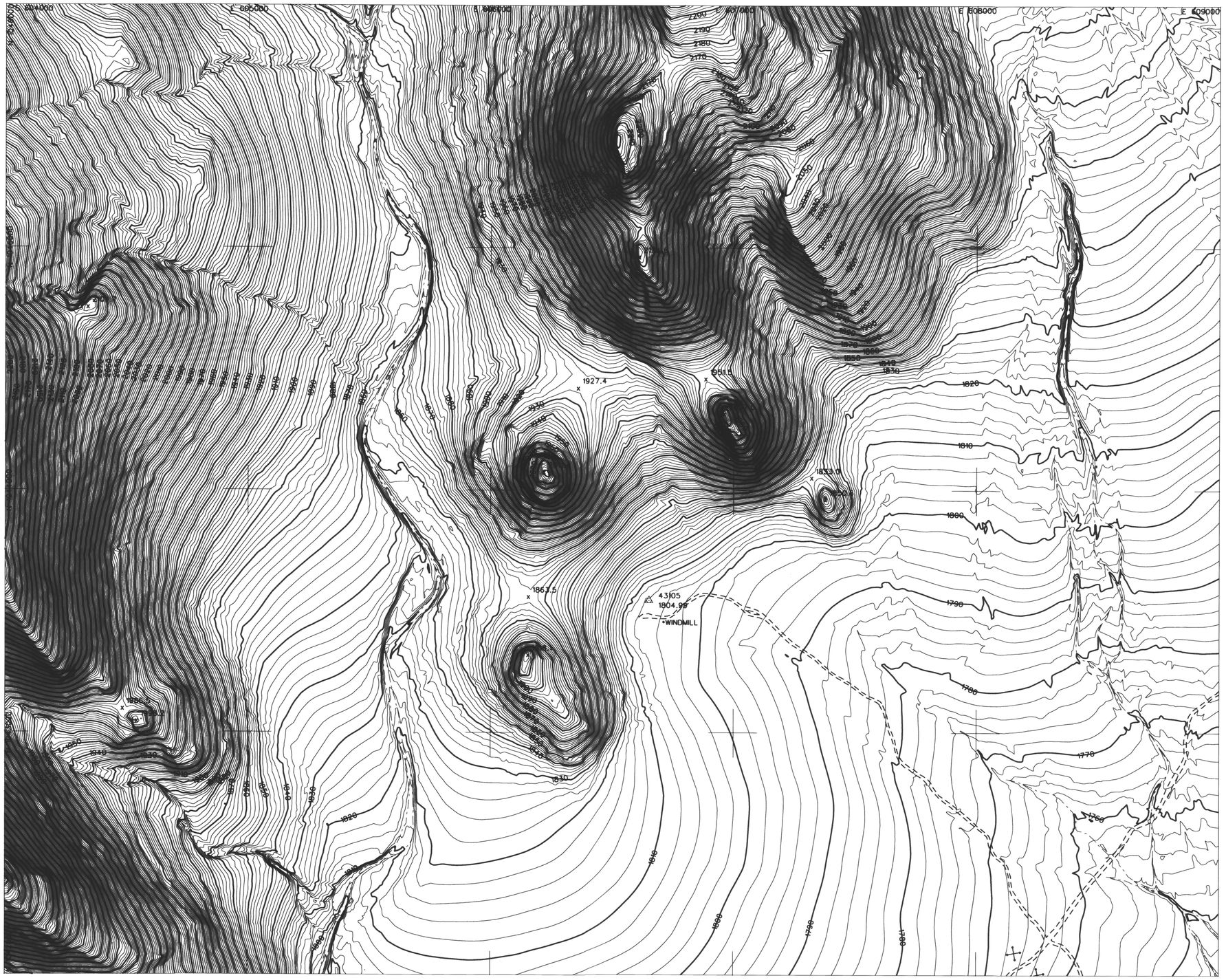
SHEET 07 OF 69

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.

T6N, R1E



LEGEND

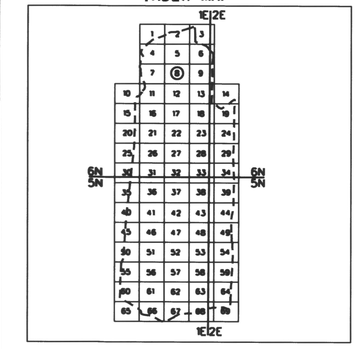
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43105	606652.420	1043544.678	1804.99

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 08 OF 69

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.

T6N. R1E

E 609000 E 610000 E 611000 E 612000 E 613000 E 614000

N 1045000 N 1044000 N 1043000 N 1042000

1822.7 1806.9 1798.6 1797.3 1795.0 1785.0 1783.9 1781.7 1781.9 1774.8

43108 1753.49

43109 1777.26

LEGEND

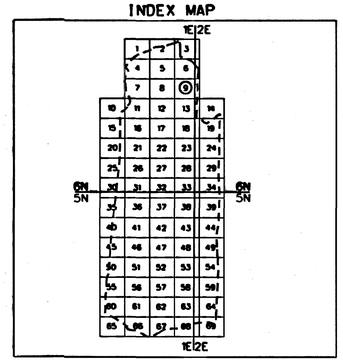
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43108	609281.076	1042478.893	1753.49
43109	613078.893	1042331.177	1777.26

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

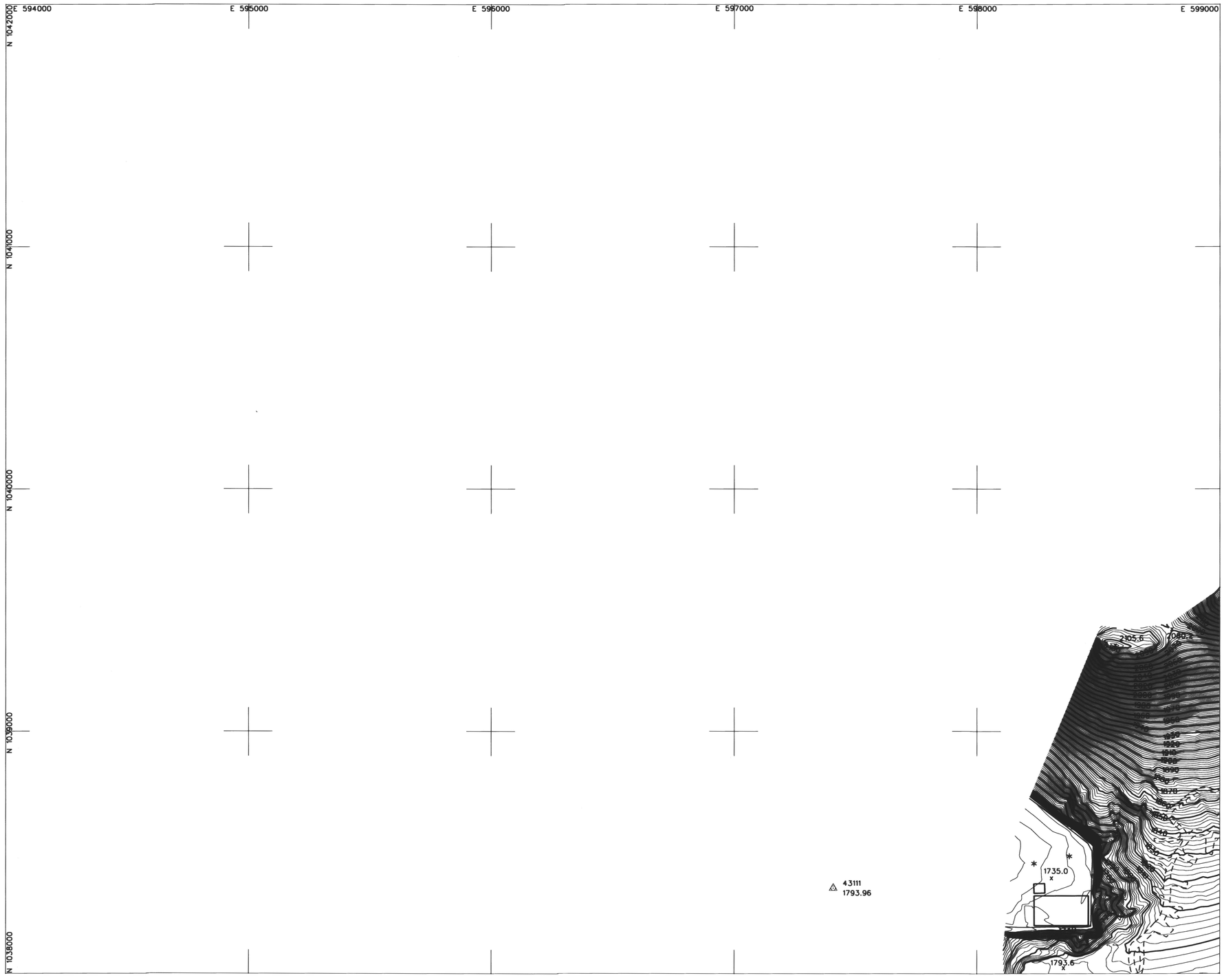
SHEET 09 OF 09

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.

T6N. R1E
T6N. R2E



LEGEND

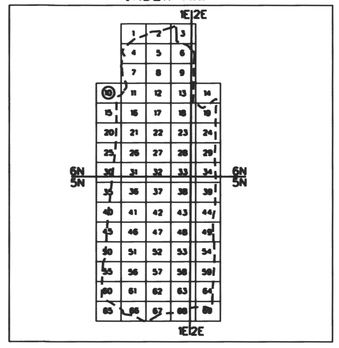
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43111	597408.011	1038352.787	1793.96

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28494
LEE HARRIS
Date Signed 2-3-03
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

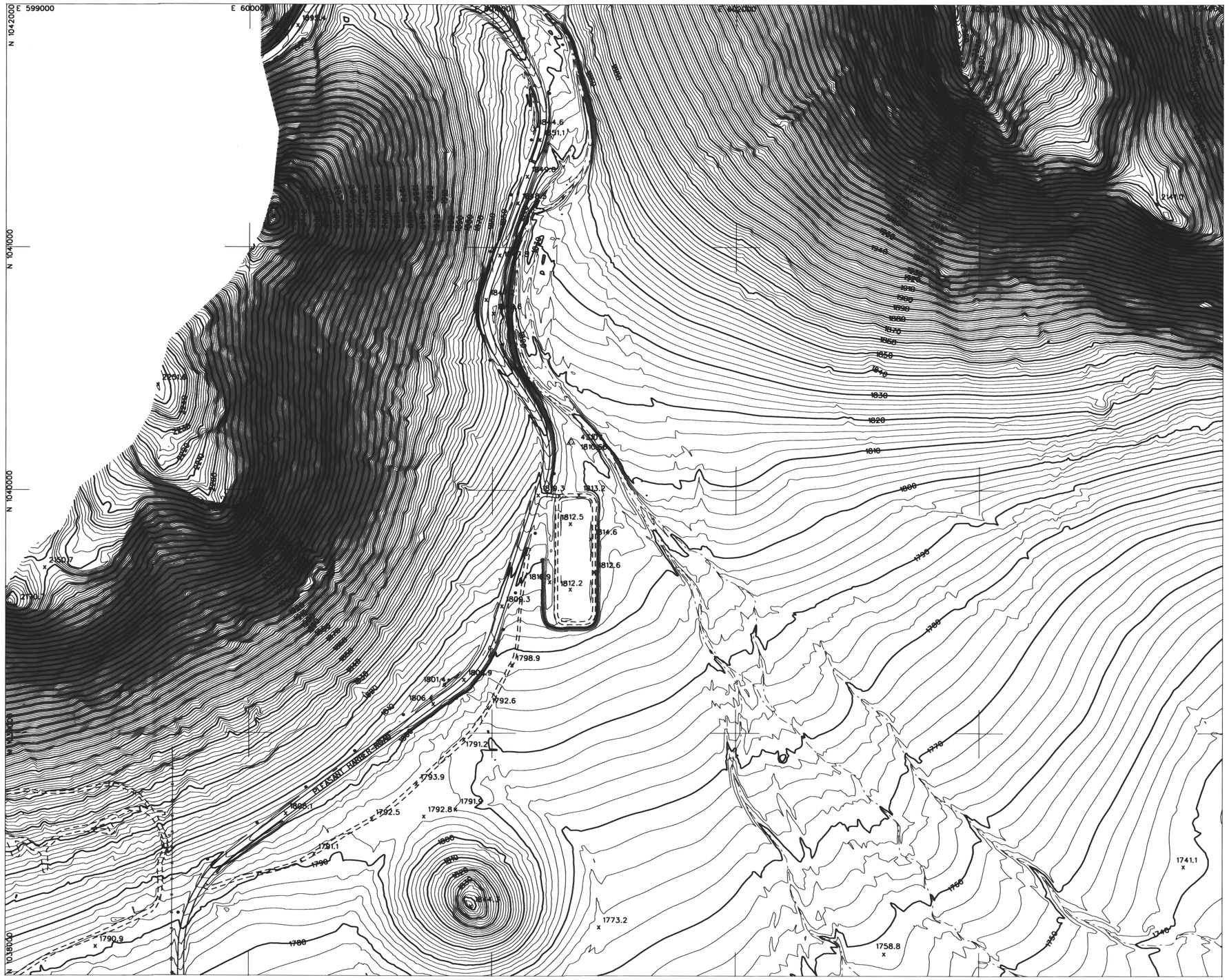
SHEET 10 OF 69

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.

T6N, R1E



LEGEND

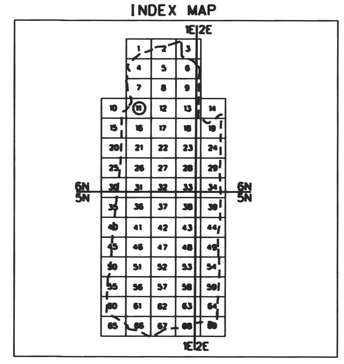
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43107	601322.028	1040198.318	1810.66

INDEX MAP



N

200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 308
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

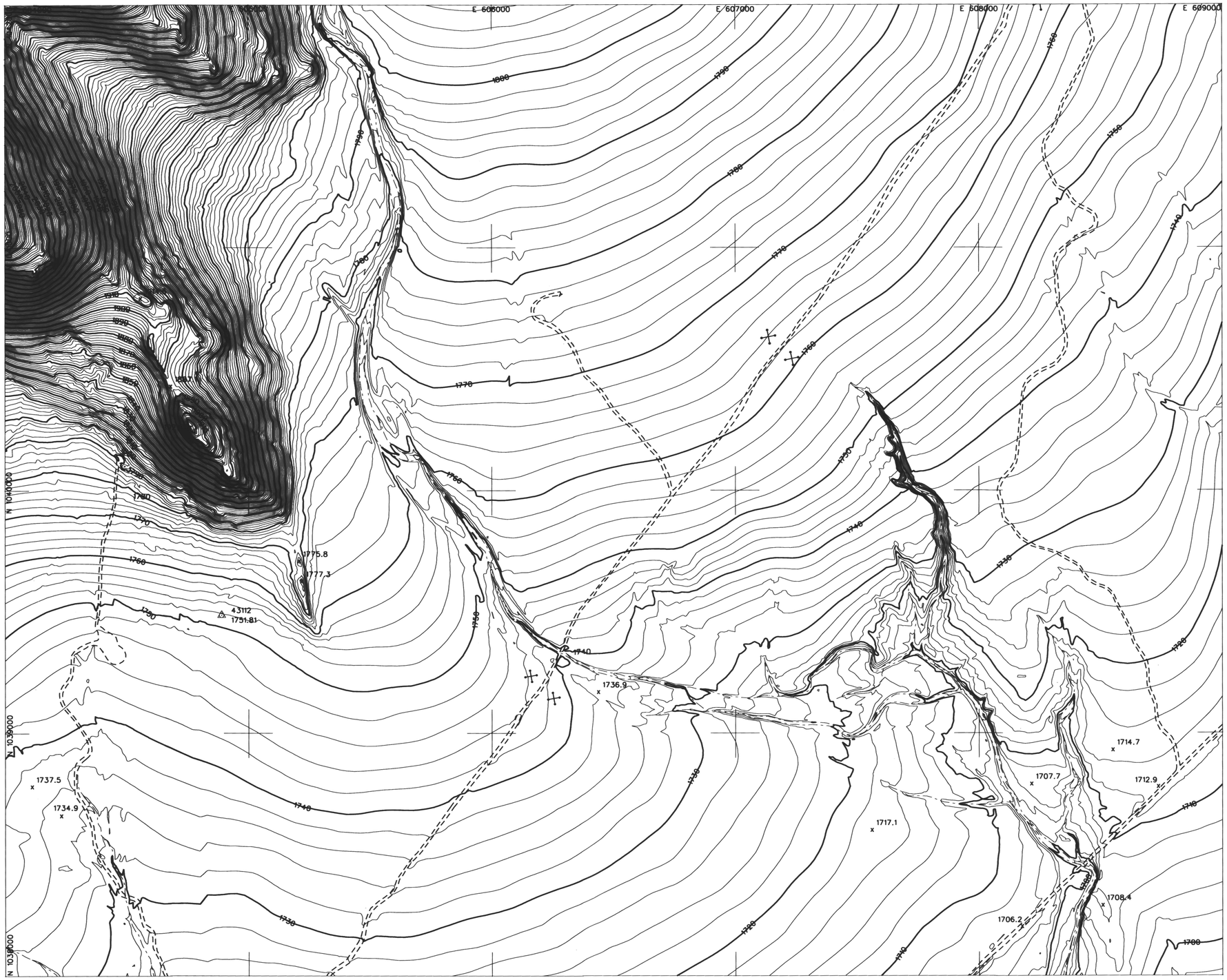
SHEET 11 OF 69

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.

T6N. R1E



LEGEND

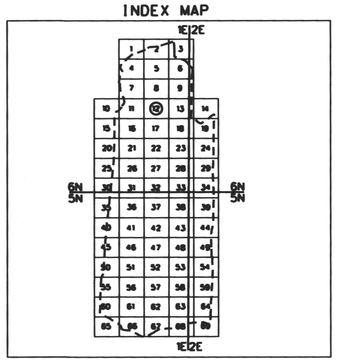
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43112	604888.963	1039486.150	1751.81

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

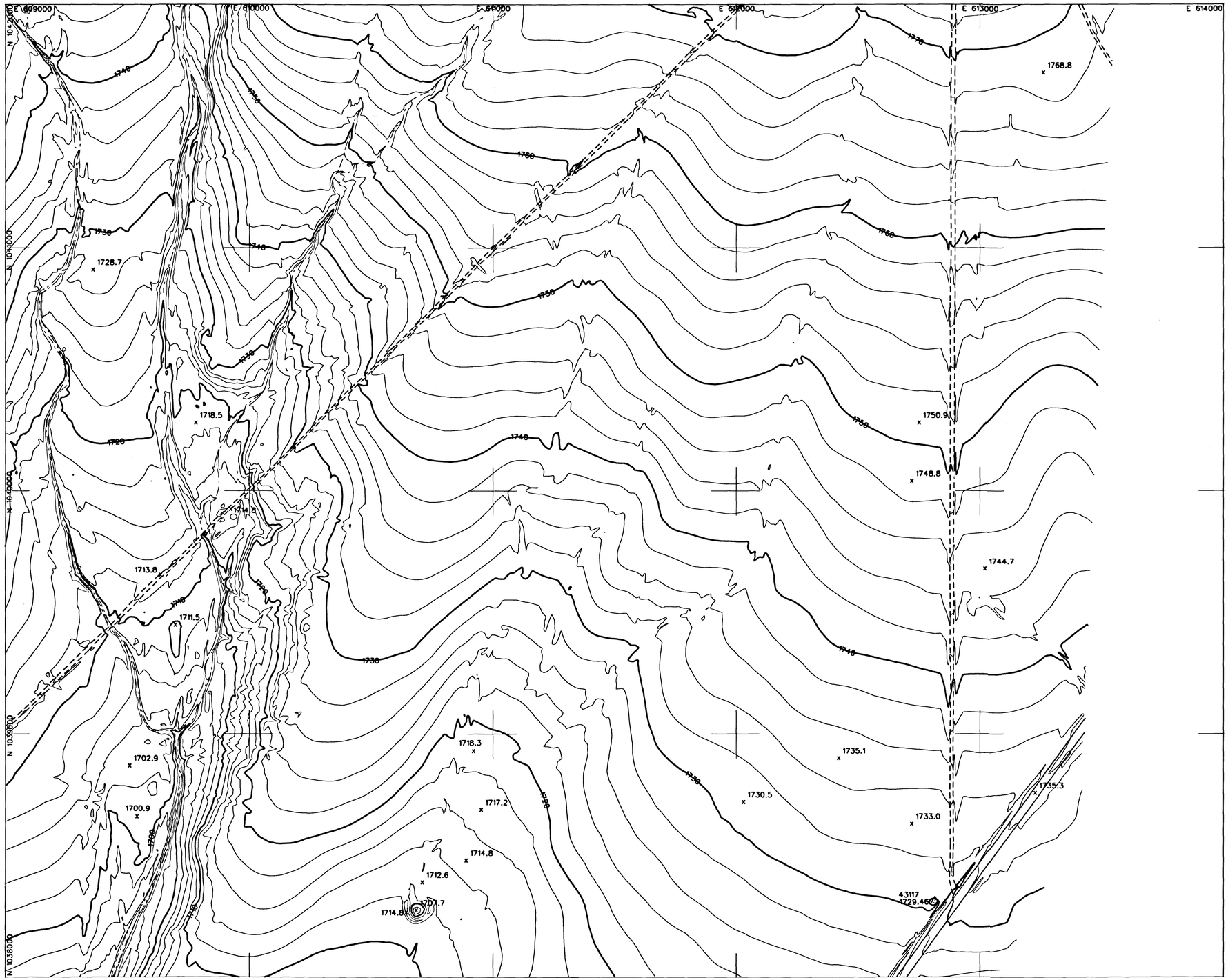
SHEET 12 OF 69

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.

T6N, R1E



LEGEND

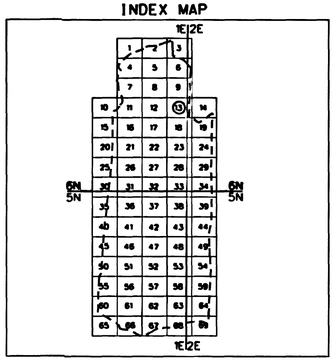
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43117	612815.499	1038313.149	1729.46

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 13 OF 69

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.

T6N, R1E
T6N, R2E

E 614000 E 615000 E 616000 E 617000 E 618000 E 619000

N 1042000 N 1041000 N 1040000 N 1039000 N 1038000

1746.6 1748.9 1744.7

LEGEND

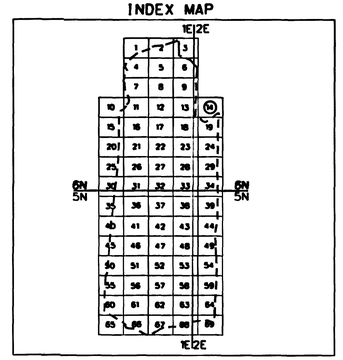
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (CDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR — CHRISTOPHER J. HARRIS — 22371 — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

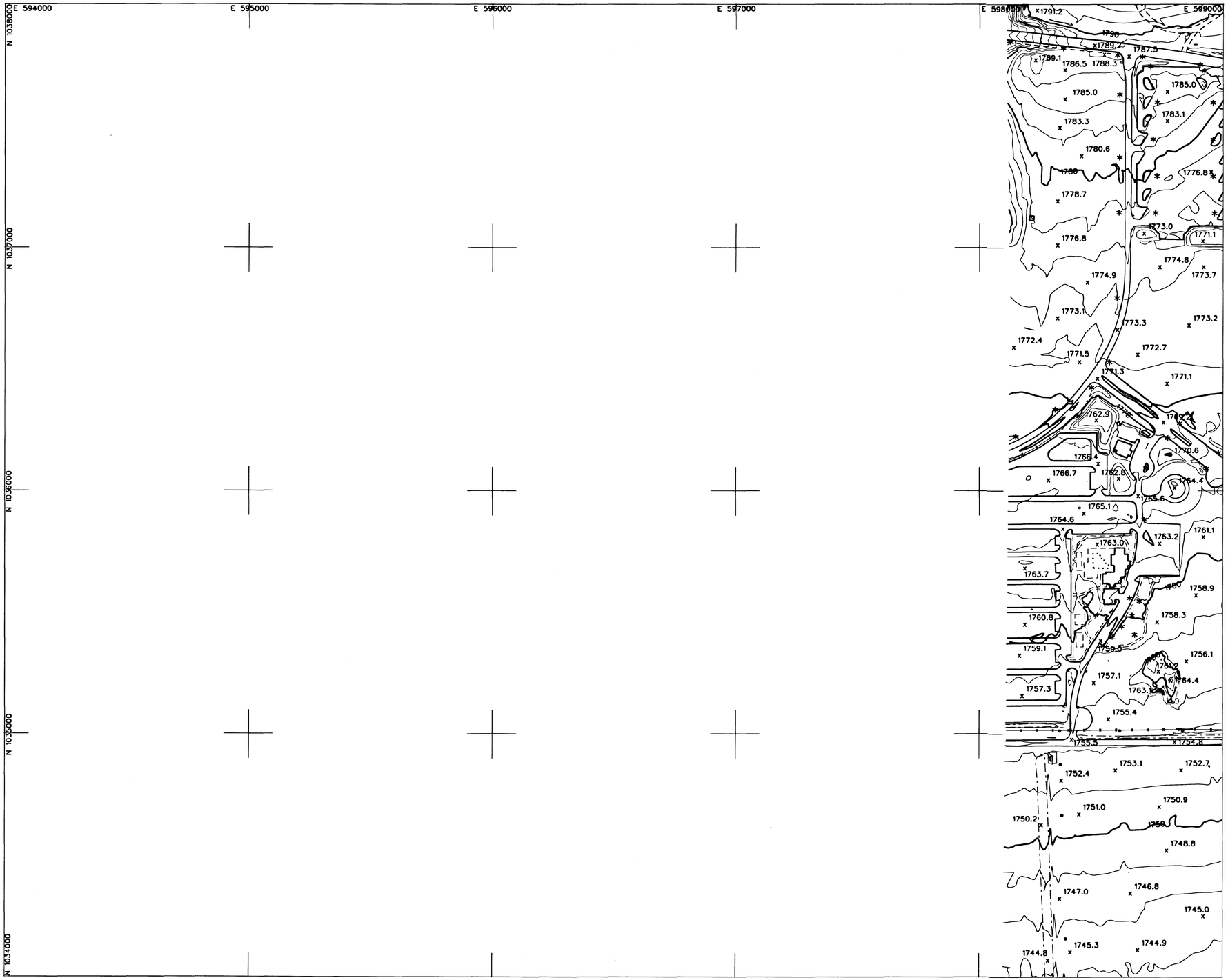
SHEET 14 OF 69

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.

T6N, R1E
T6N, R1E



LEGEND

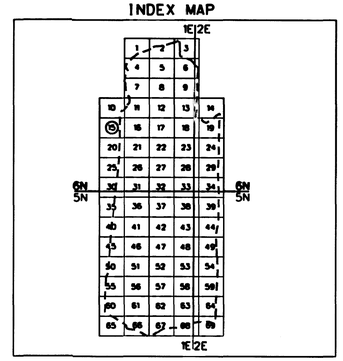
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

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

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

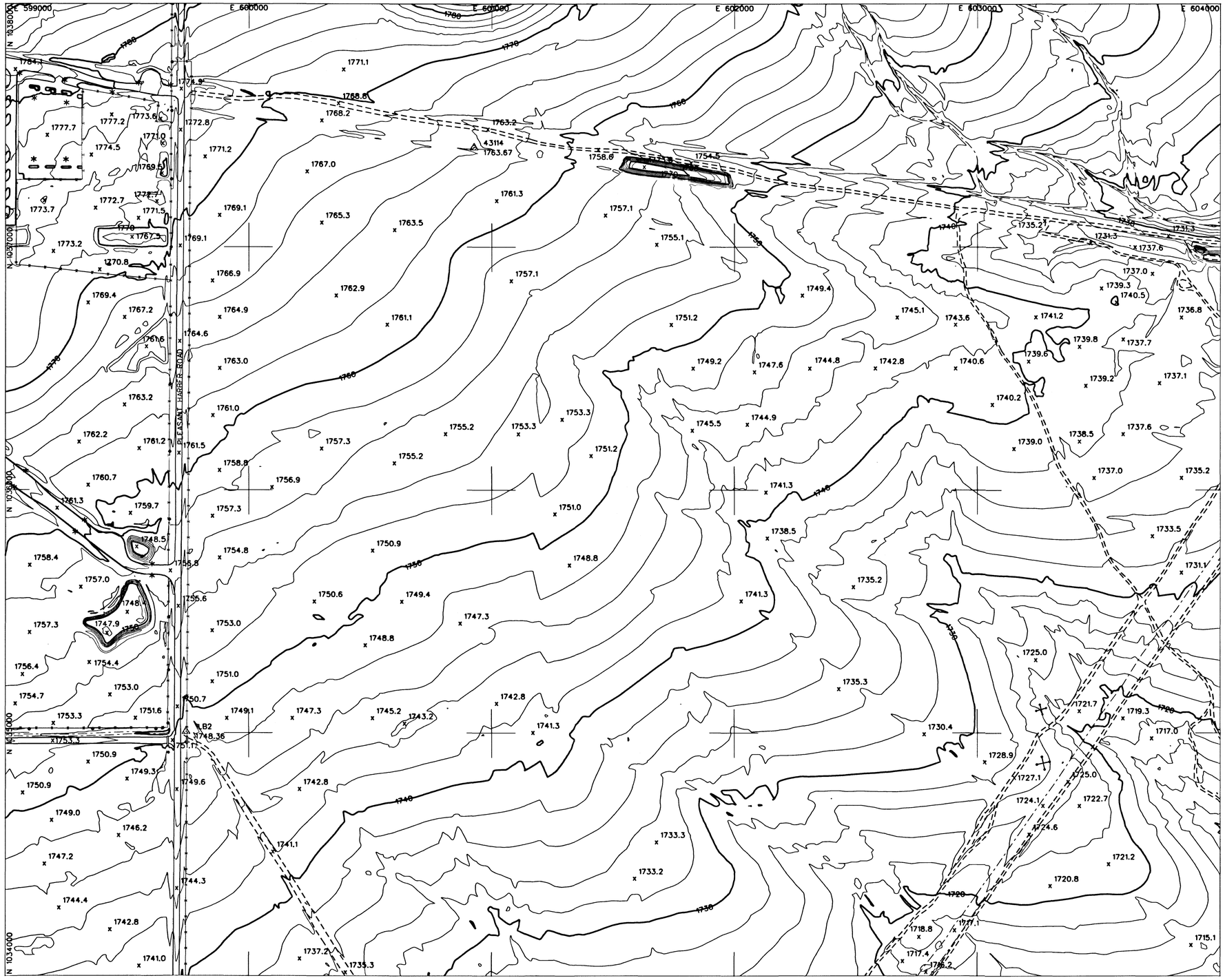
SHEET 15 OF 69

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.

T6N. R1E



LEGEND

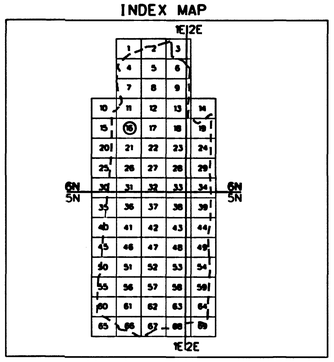
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43114	600927.289	1037409.015	1763.67
B2	599742.035	1035004.321	1748.36

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

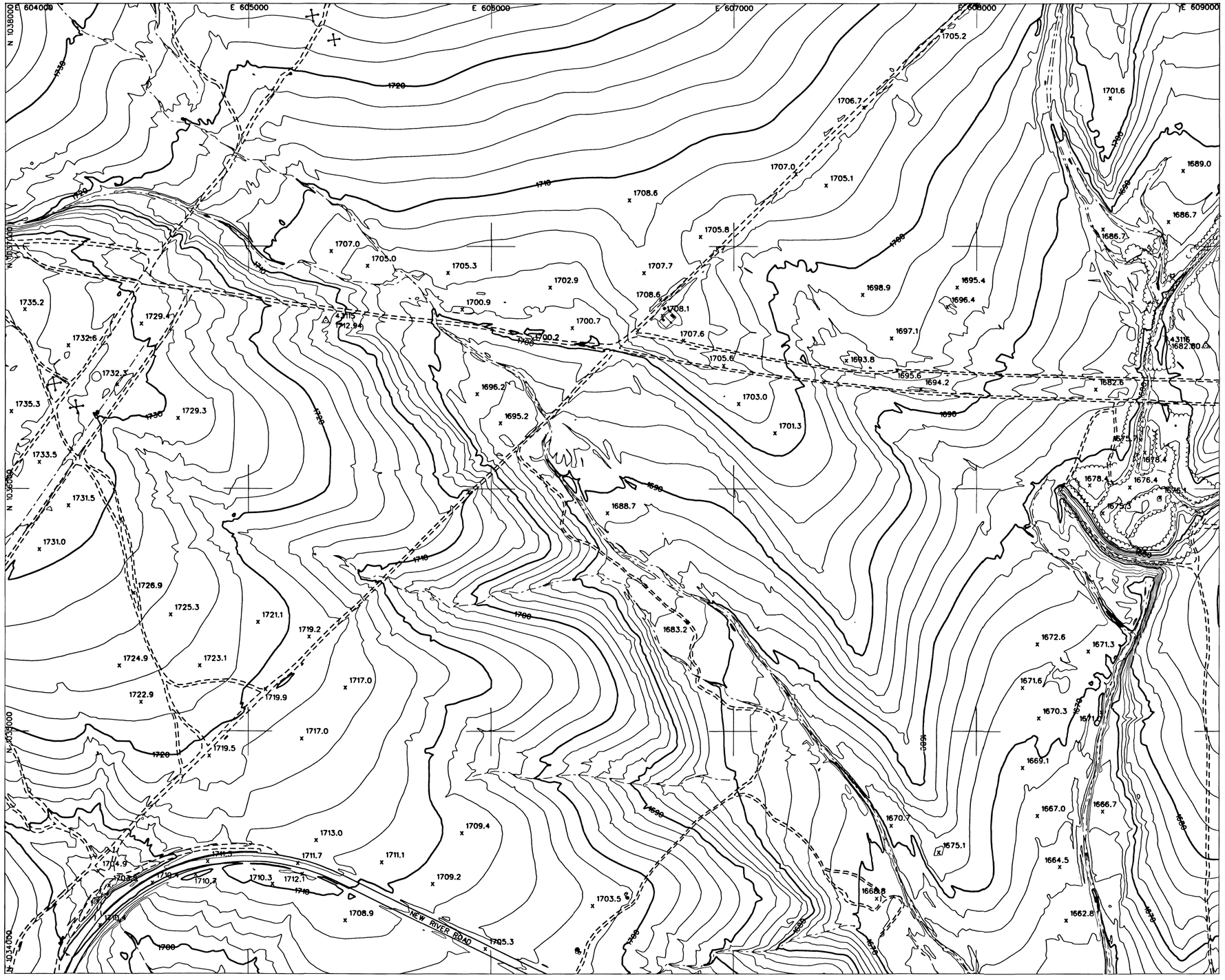
SHEET 16 OF 69

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.

T6N. R1E



LEGEND

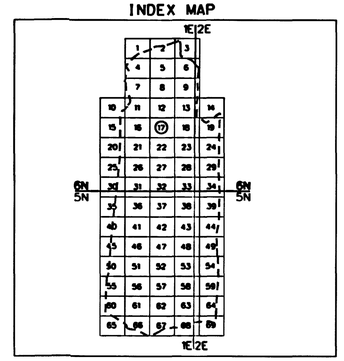
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43115	605318.332	1036692.632	1712.94
43116	608944.103	1036589.952	1682.80

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28401
LEE HARBERS
Date Signed 2-23-03
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

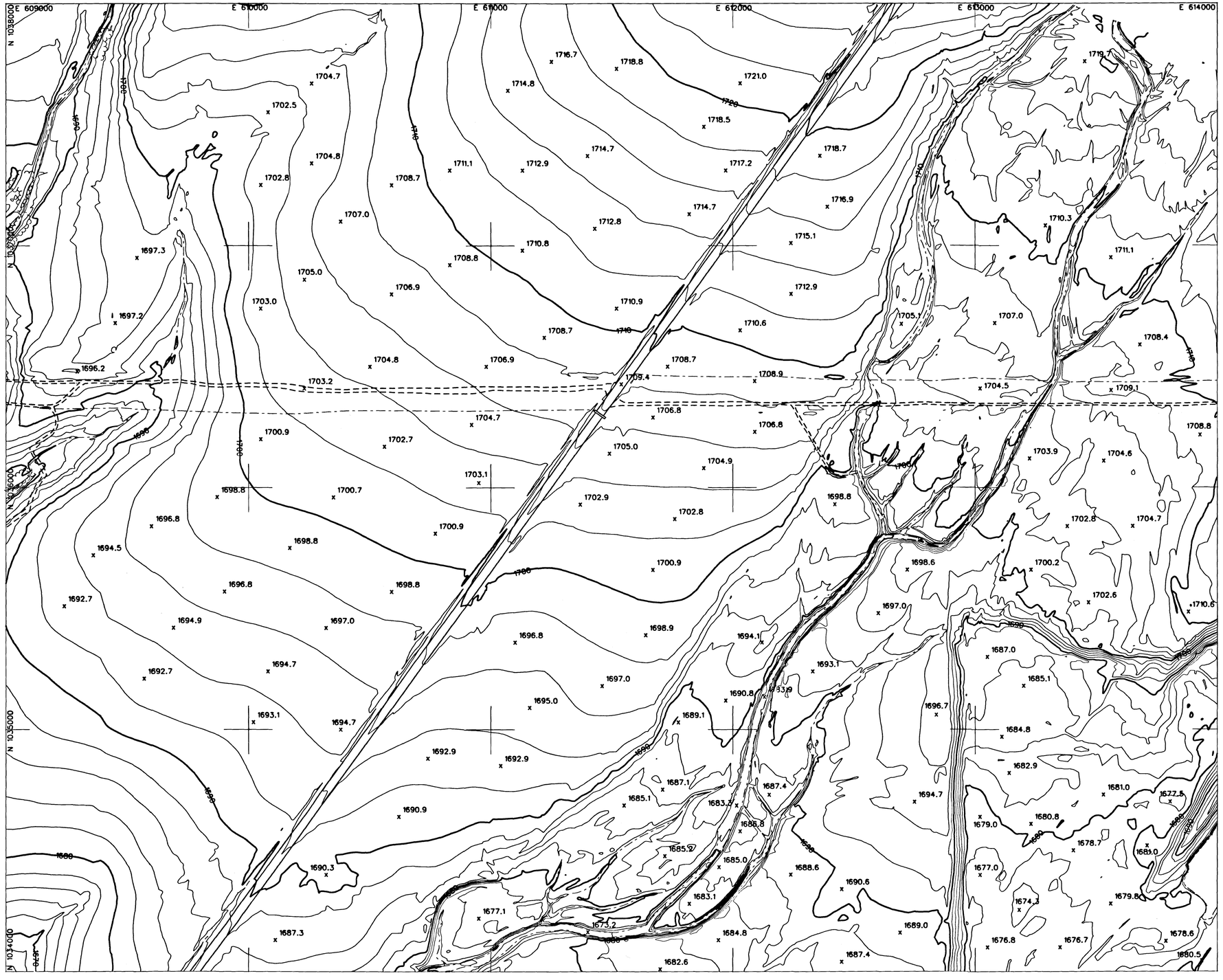
SHEET 17 OF 69

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.

T6N, R1E



LEGEND

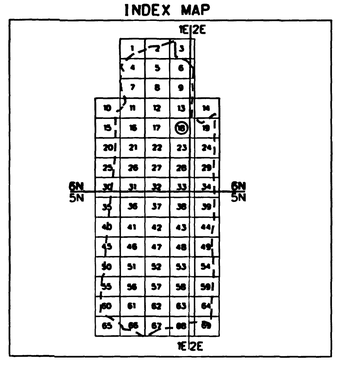
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

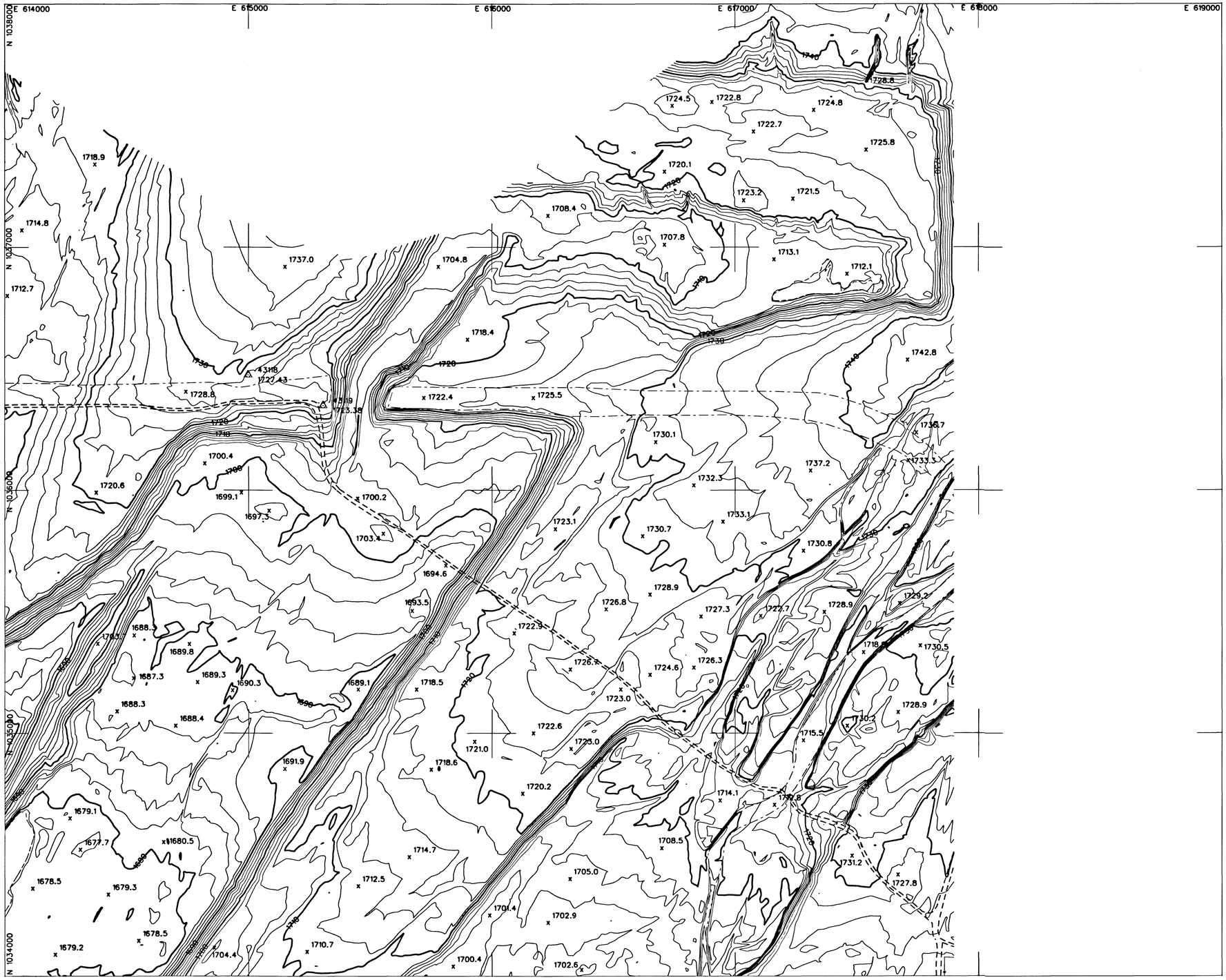
SHEET 18 OF 69

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.

T6N. R1E
T6N. R2E



LEGEND

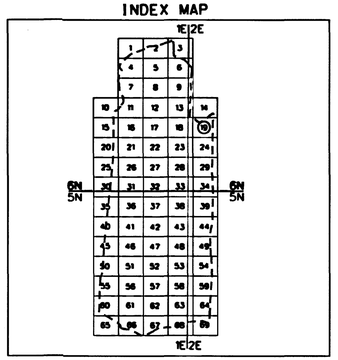
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (ODACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43118	614998.512	1038474.827	1727.43
43119	615306.587	1036349.133	1723.38

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

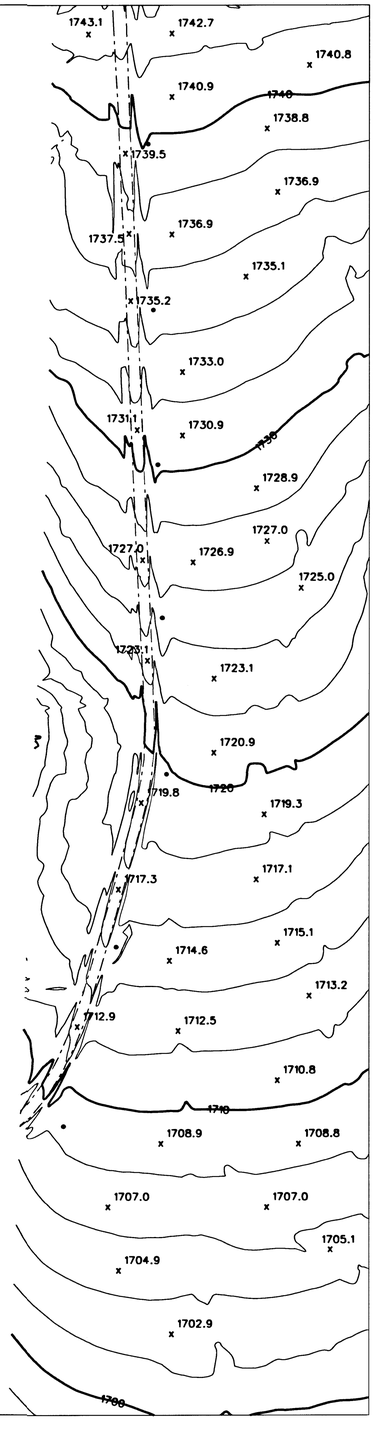
SHEET 19 OF 69

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.

T6N. R1E
T6N. R2E



LEGEND

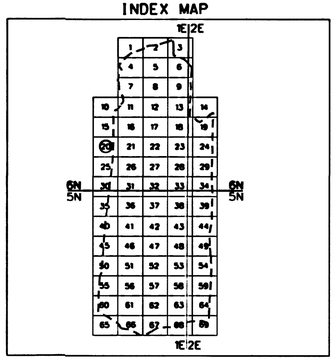
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

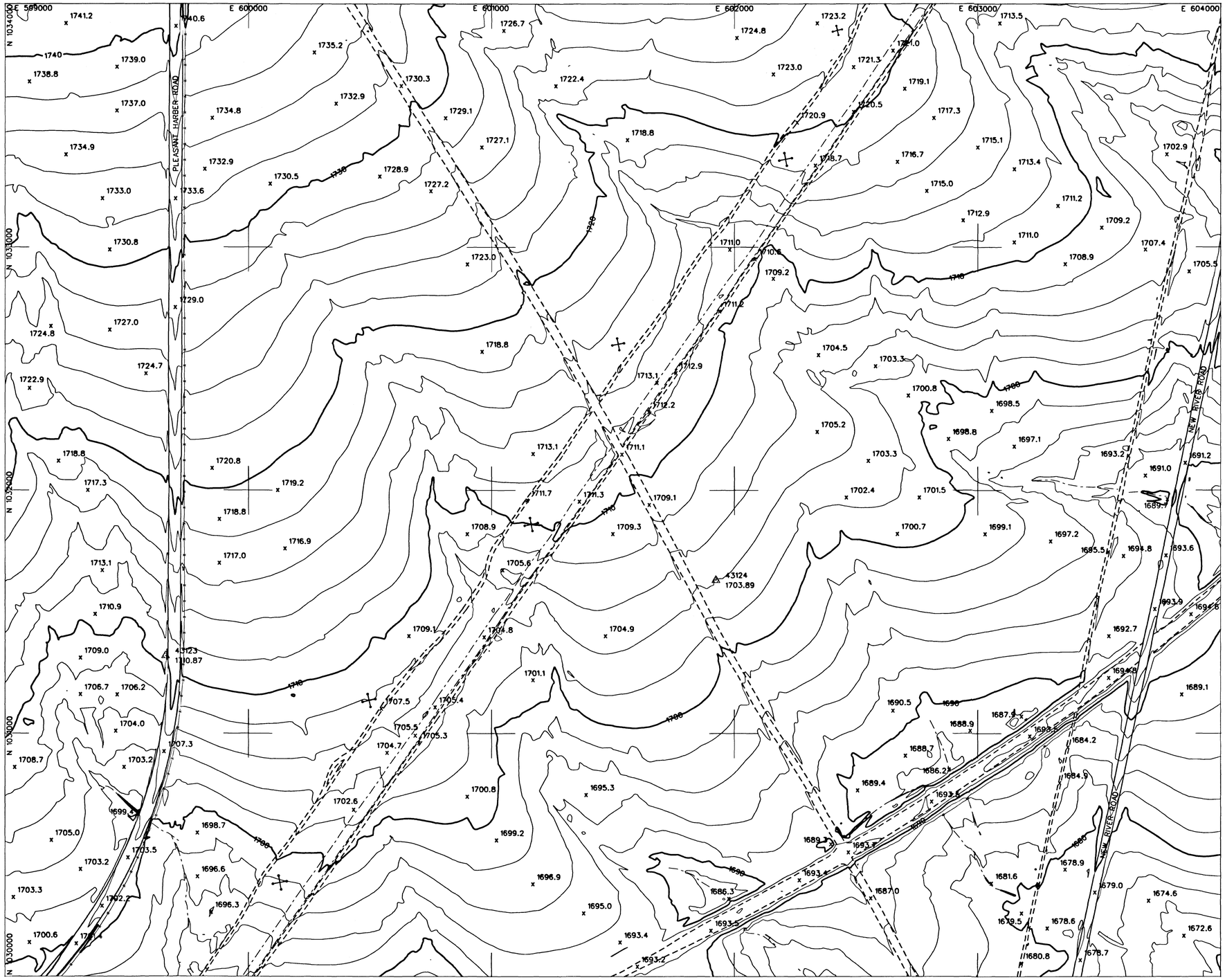
SHEET 20 OF 69

T6N. R1E

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.



LEGEND

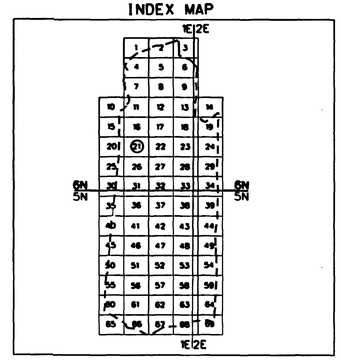
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
4123	599659.337	1031318.198	1710.87
4124	601923.599	1031630.200	1703.89

INDEX MAP



N

200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

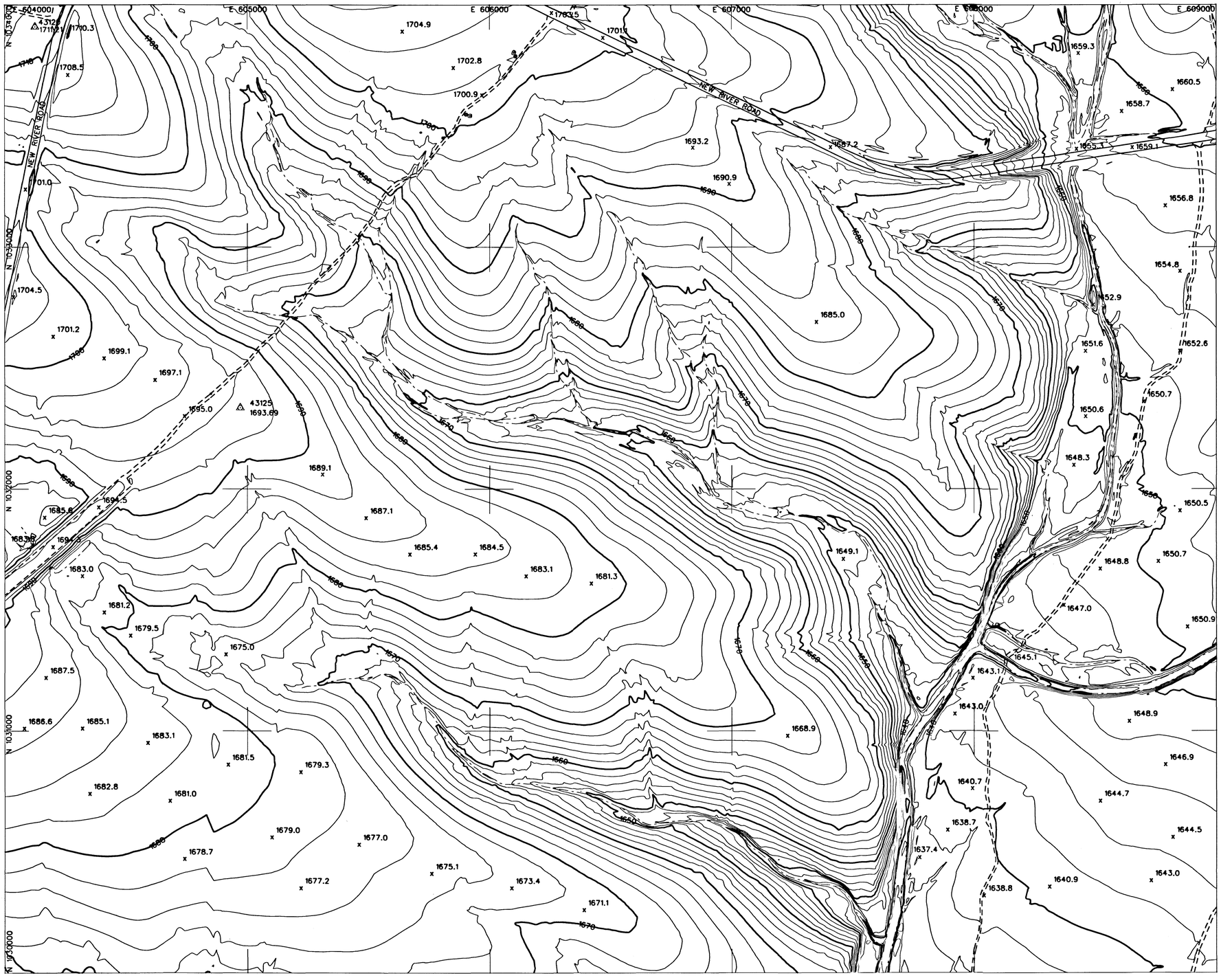
SHEET 21 OF 69

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.

T6N. R1E



LEGEND

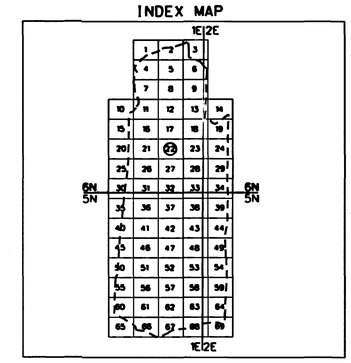
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43120	604125.260	1033909.278	1711.21
43125	604970.535	1032335.406	1693.69

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 28401
LEE HARDENS
Date Signed 2.2.5
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

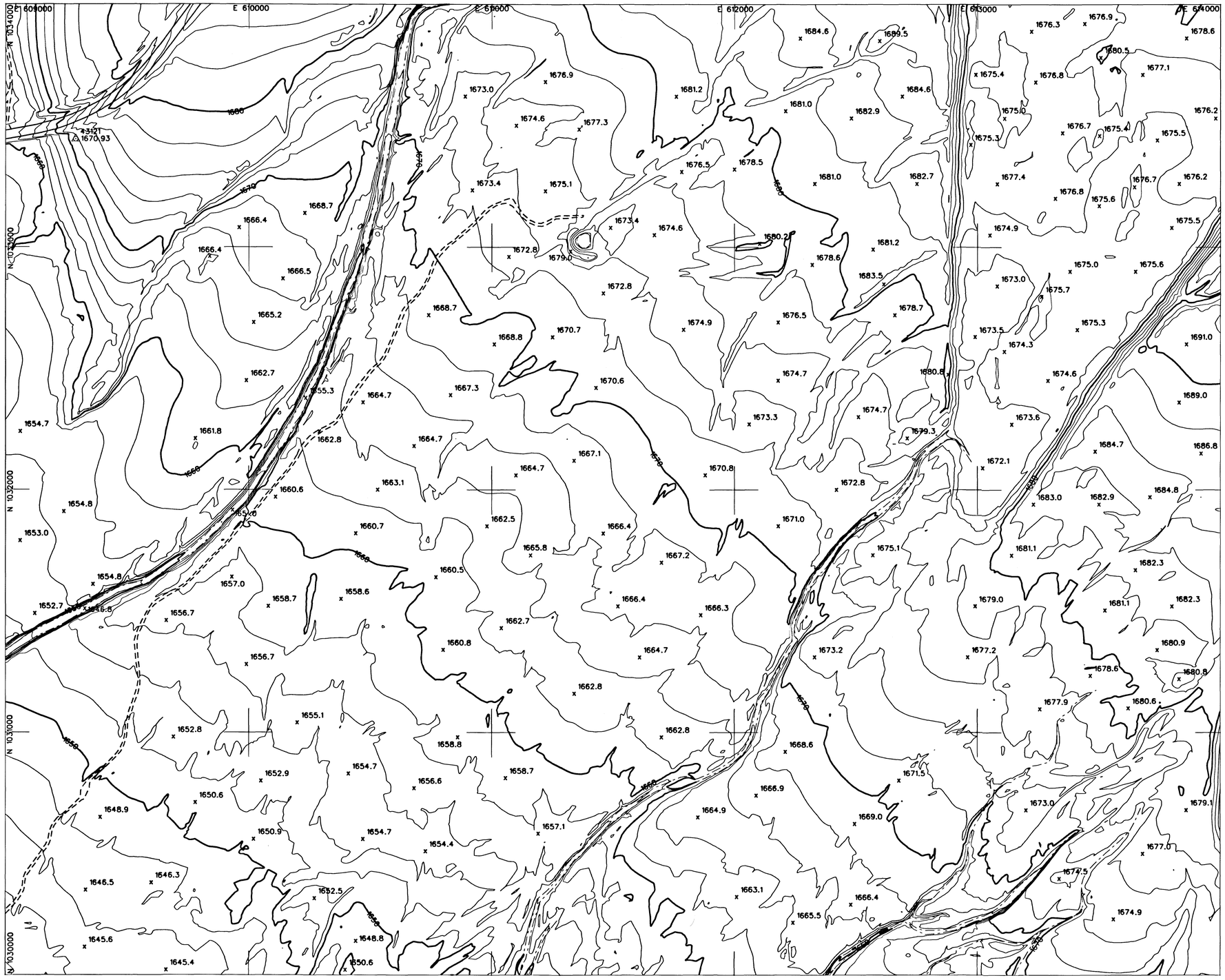
SHEET 22 OF 69

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.

T6N, R1E



LEGEND

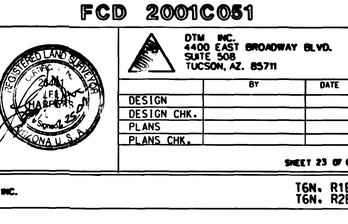
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43121	609288.826	1033443.546	1670.93

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

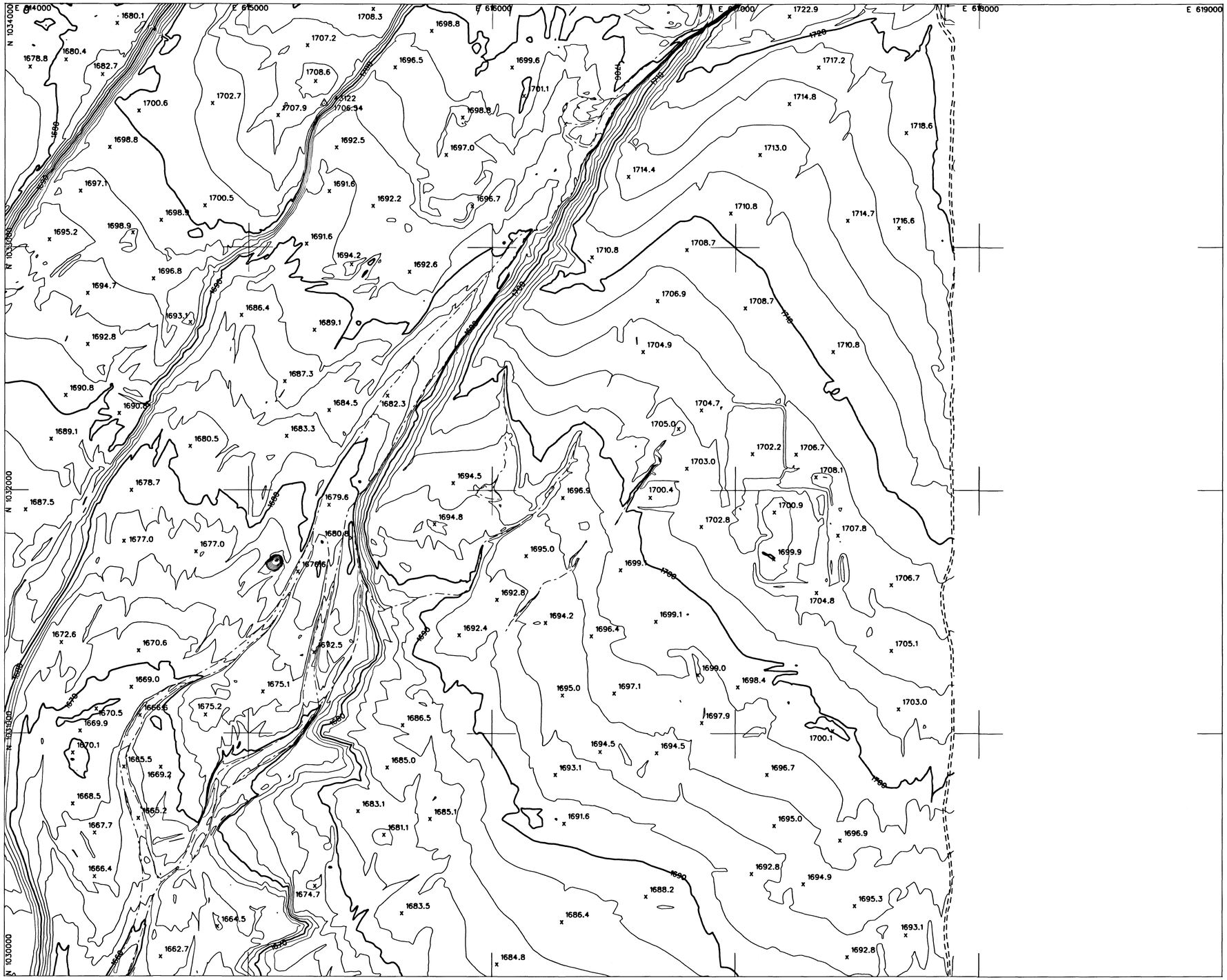
SHEET 23 OF 69

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.

T6N, R1E
T6N, R2E



LEGEND

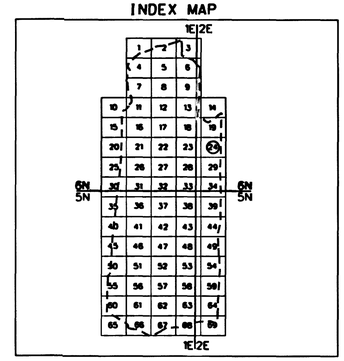
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43122	615308.956	1033591.893	1706.54

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR 26401 LEE A. BARBERS ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

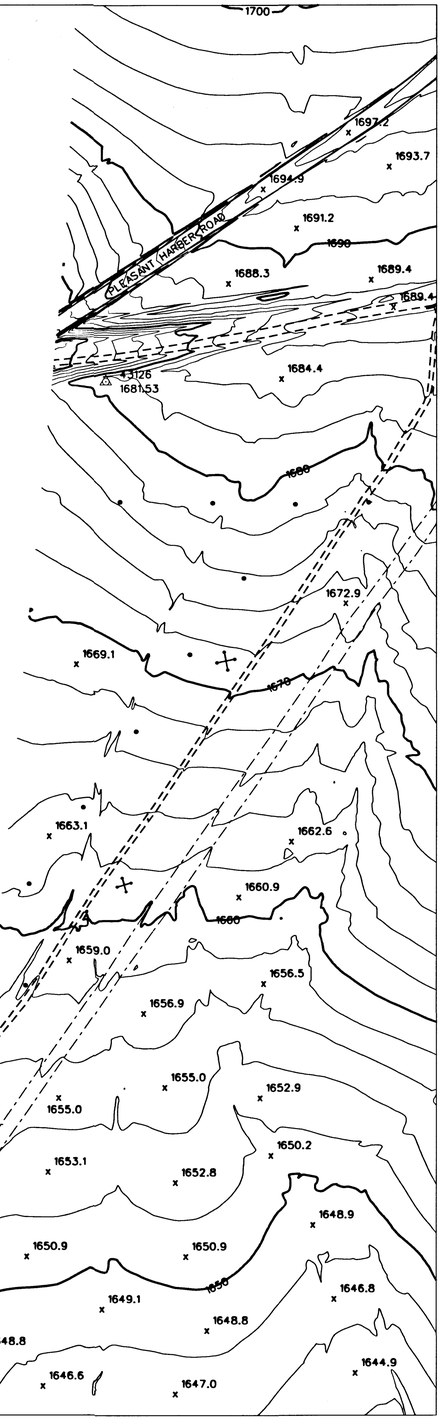
SHEET 24 OF 69

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.

T6N, R1E
T6N, R2E



LEGEND

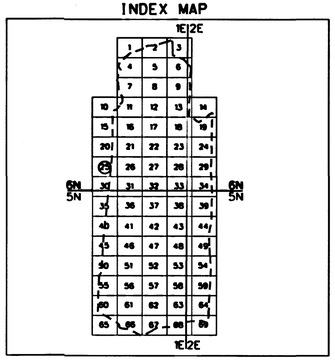
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43126	598061.992	1028933.886	1681.53

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — LEE HARRIS — Signed 2-27-04 — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

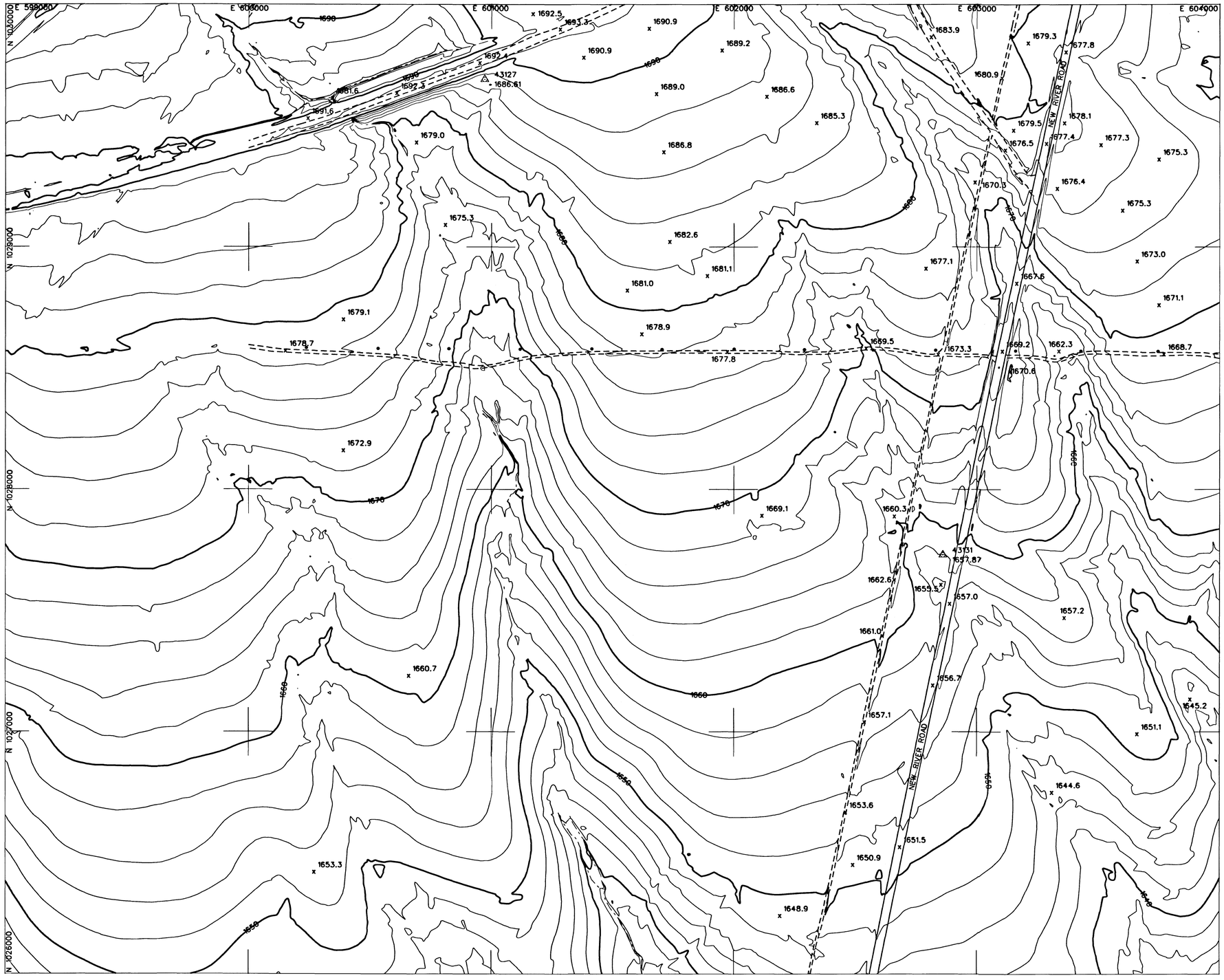
SHEET 25 OF 69

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.

T6N, R1E



LEGEND

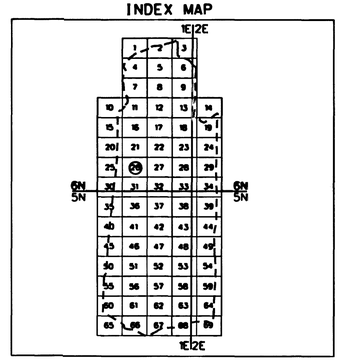
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43127	600971.759	1029690.802	1686.61
43131	602860.294	1027729.311	1657.87

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR 26401 LEE HARBERS ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

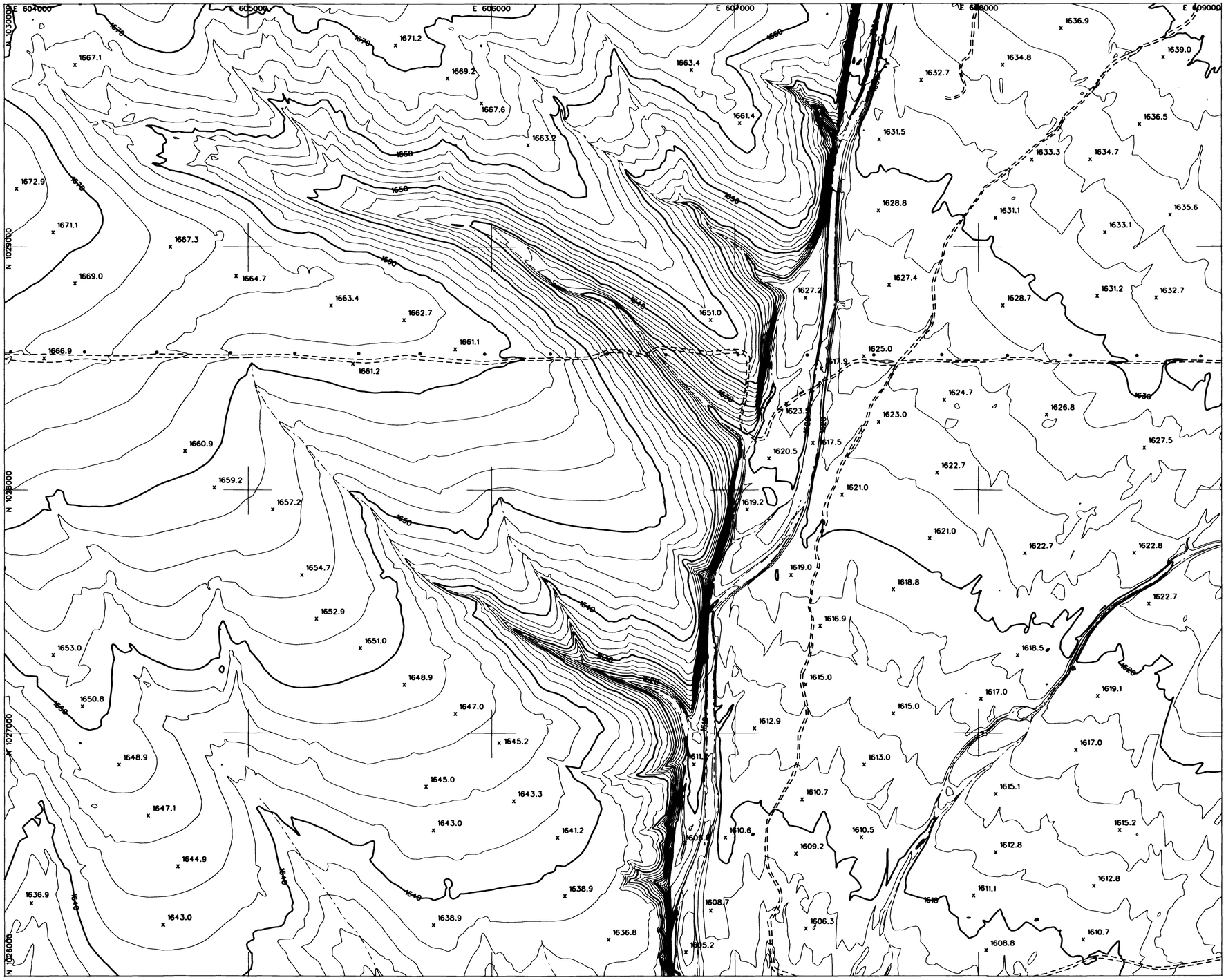
SHEET 26 OF 69

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.

T6N, R1E



LEGEND

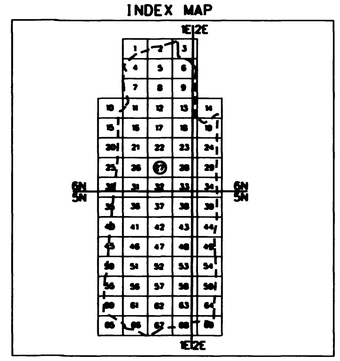
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

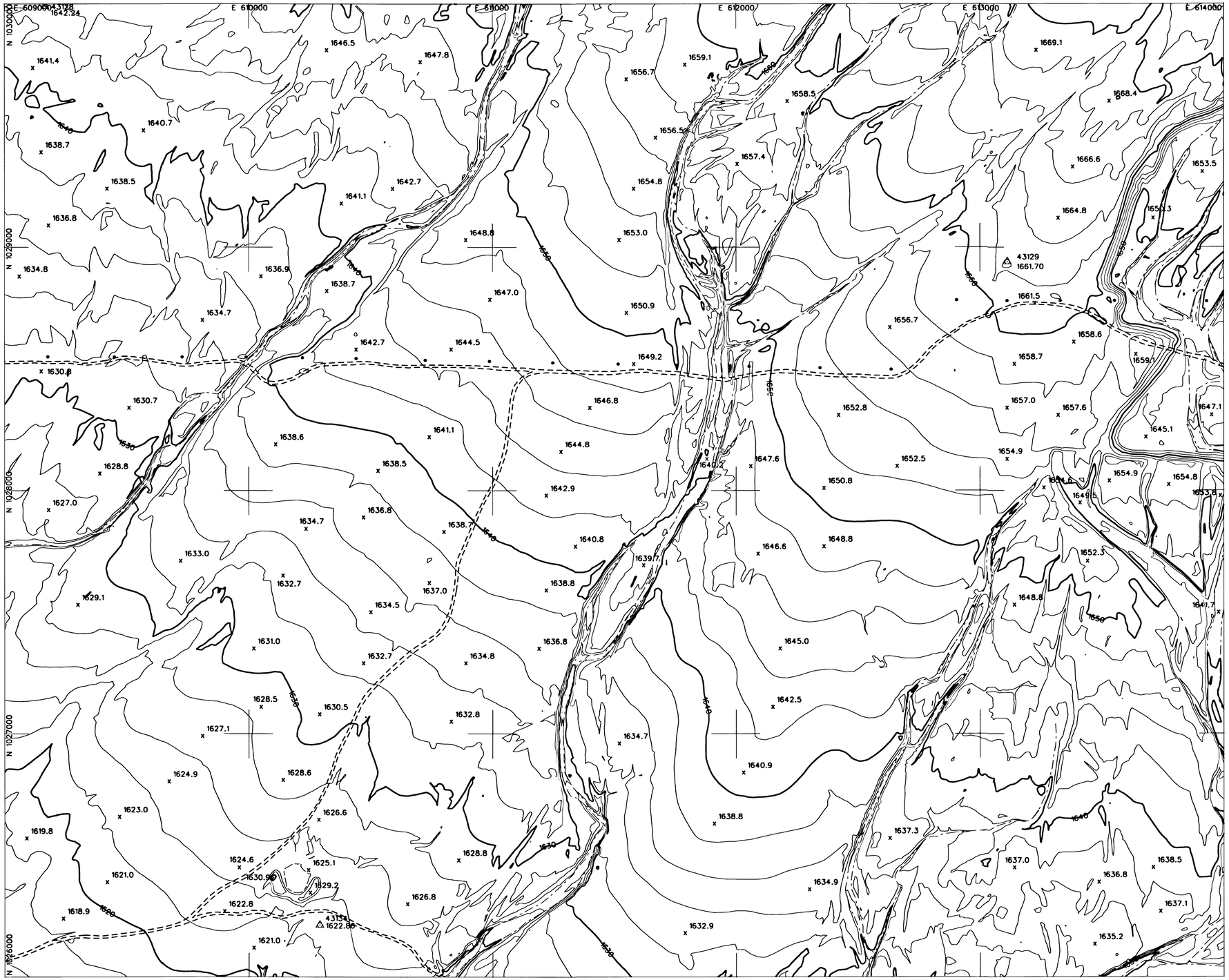
SHEET 27 OF 69

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.

T6N. R1E



LEGEND

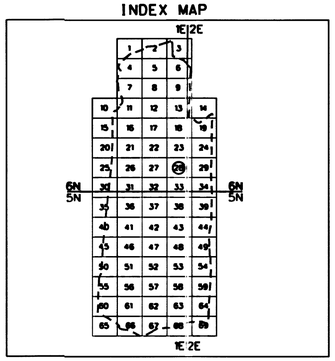
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43128	609166.719	1029990.393	1642.24
43129	613111.594	1028940.172	1661.70
43134	610290.645	1026213.522	1622.86

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

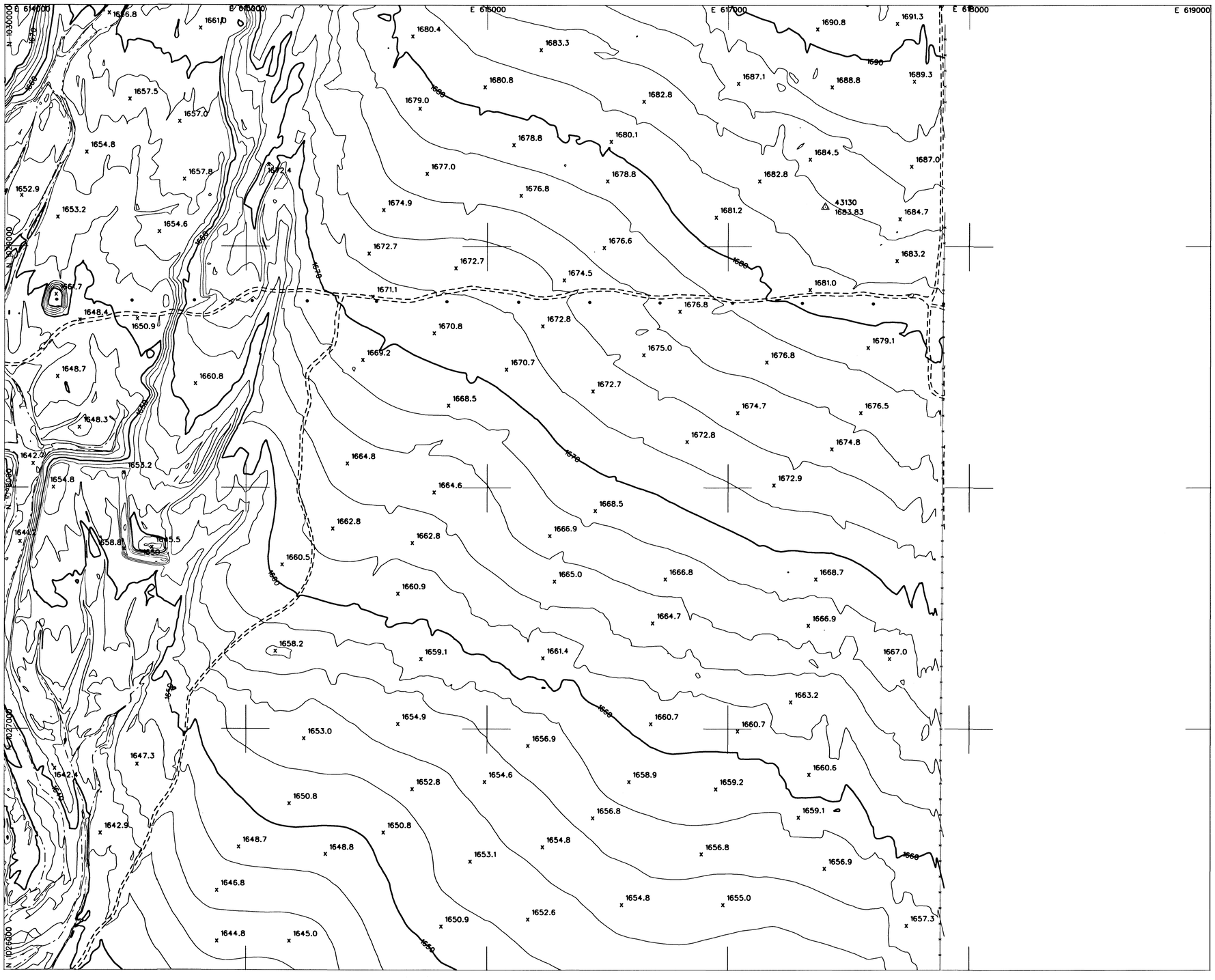
SHEET 28 OF 69

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.

T6N, R1E
T6N, R2E



LEGEND

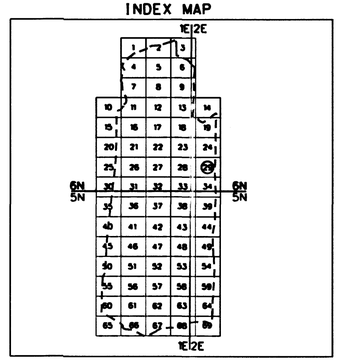
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43130	617402.286	1029163.012	1683.83

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

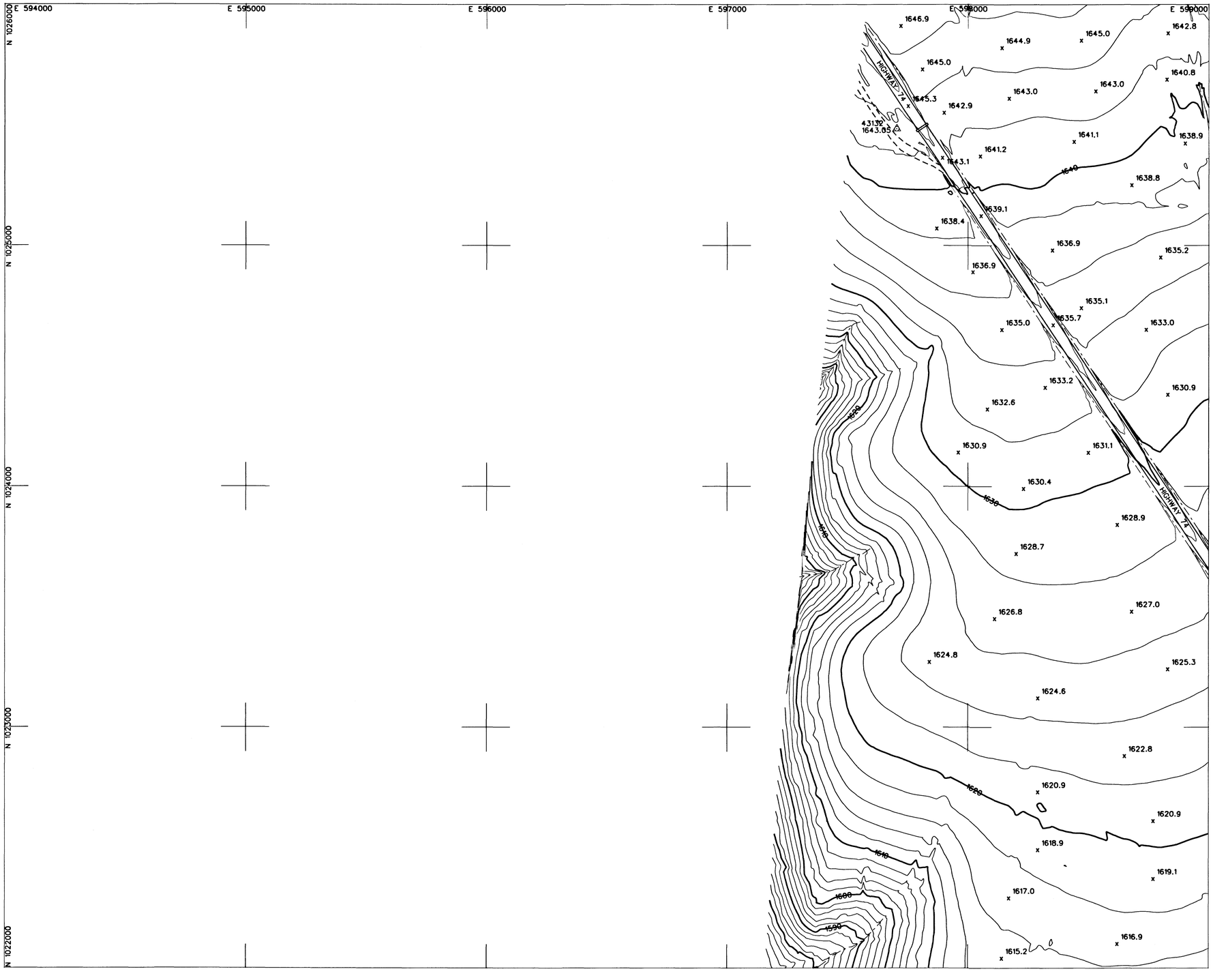
SHEET 29 OF 69

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.

T6N, R1E
T6N, R2E



LEGEND

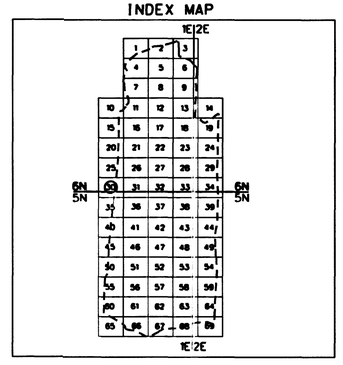
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43132	597703.780	1025483.725	1643.05

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

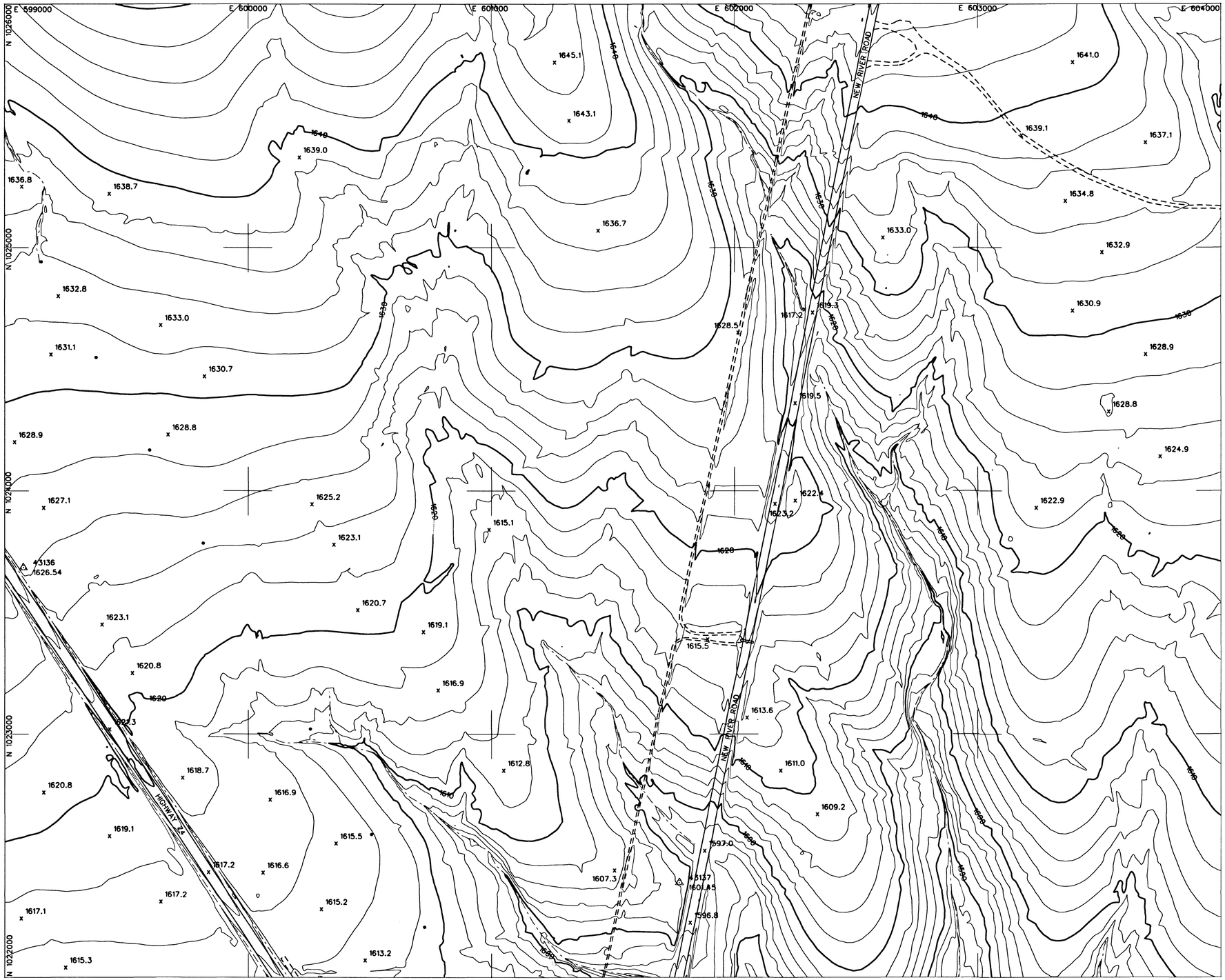
SHEET 30 OF 69

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.

T6N, R1E
T5N, R1E



LEGEND

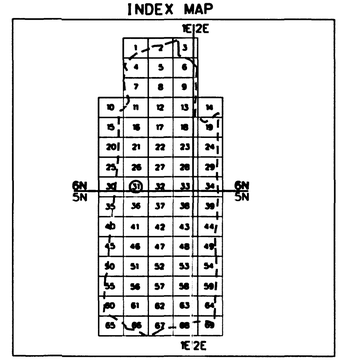
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43136	599076.505	1023684.639	1626.54
43137	601773.478	1022390.199	1601.45

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR — 26401 — LEE HARBERT — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

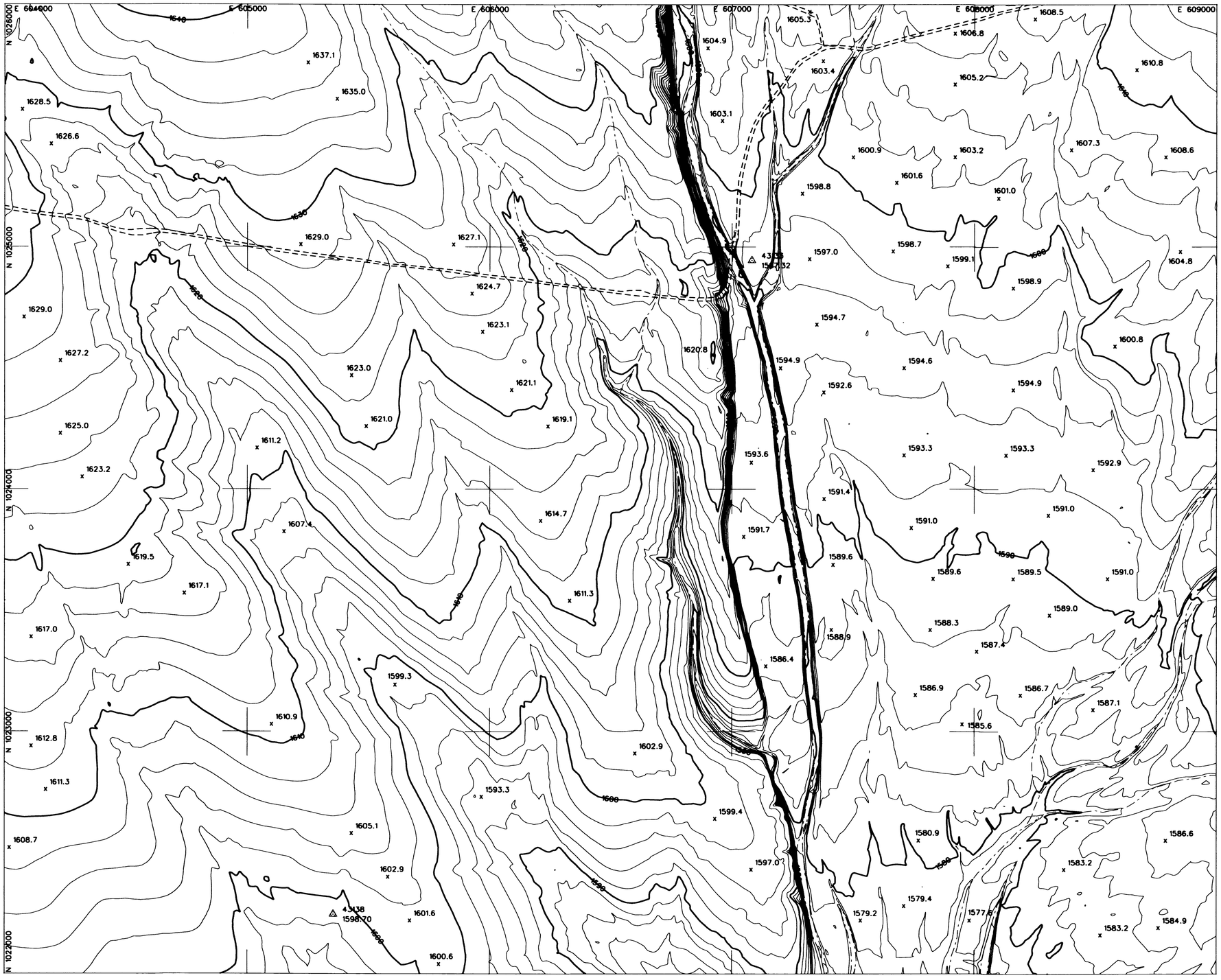
SHEET 31 OF 69

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.

T6N, R1E
T5N, R1E



LEGEND

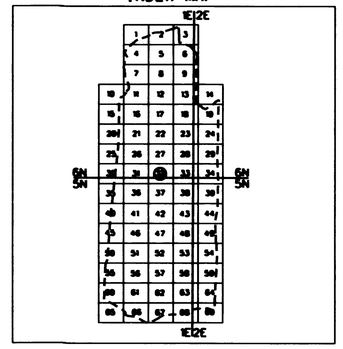
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43133	607081.996	1024944.410	1597.32
43138	605355.047	10222245.230	1598.70

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

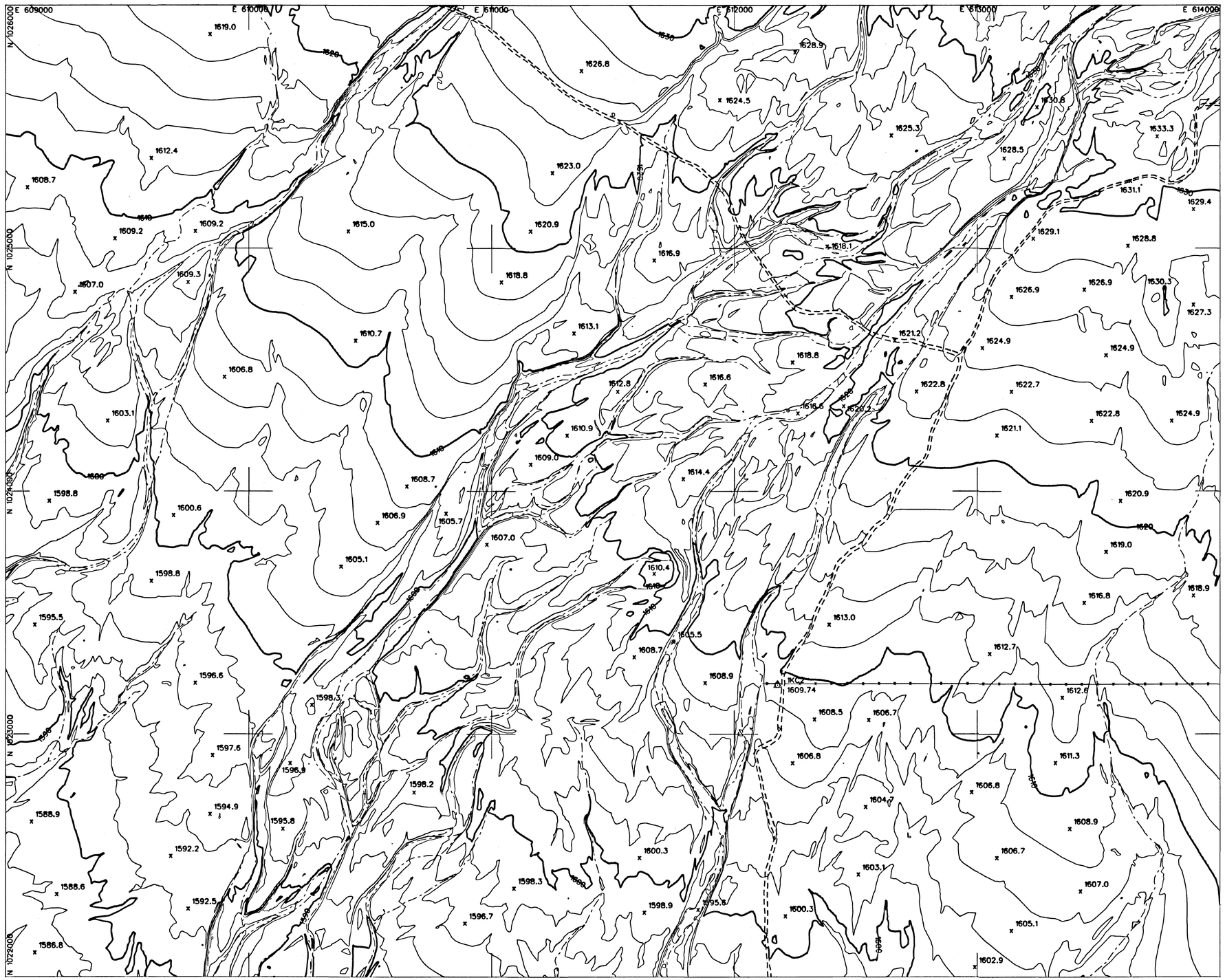
SHEET 32 OF 69

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.

T6N, R1E
T5N, R1E



LEGEND

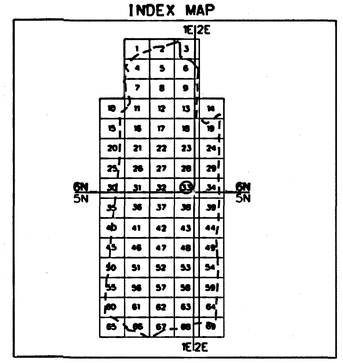
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
1KC2	612178.576	1023201.706	1609.74

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

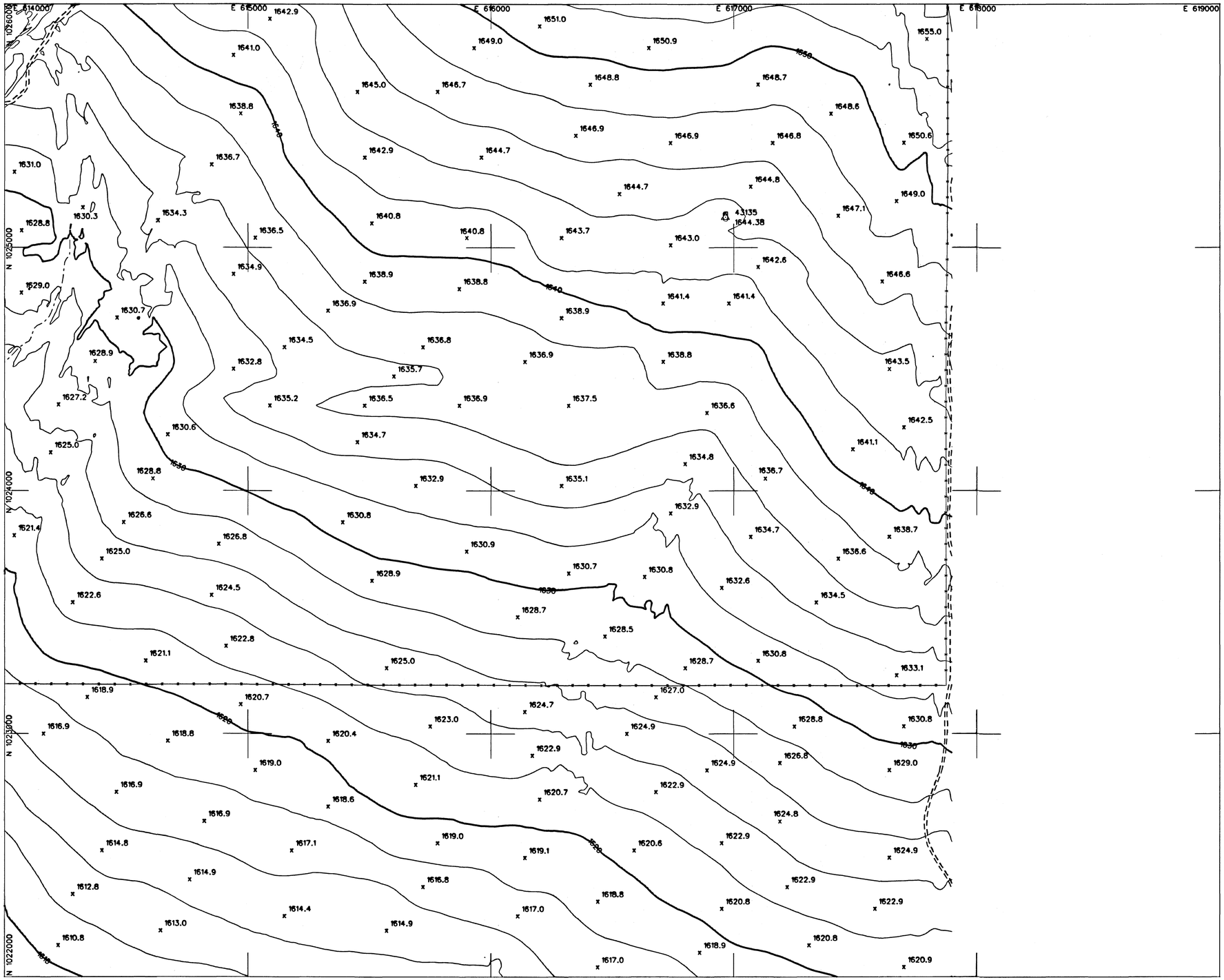
SHEET 33 OF 89

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.

T6N, R1E T6N, R2E
T5N, R1E T5N, R2E



LEGEND

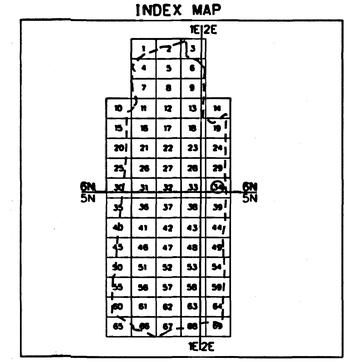
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43135	616966.473	1025124.314	1644.38

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

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

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

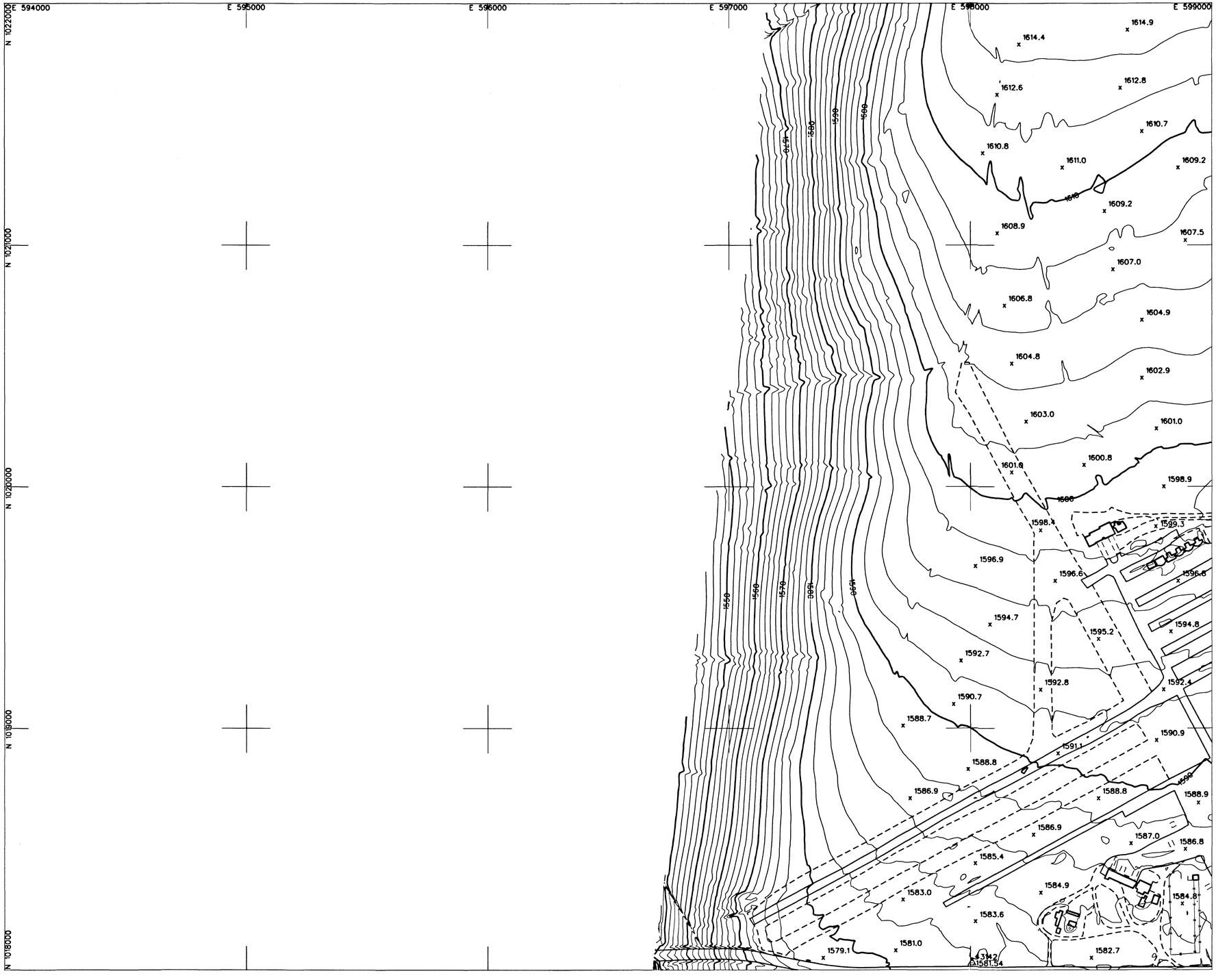
SHEET 34 OF 69

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.

T6N, R1E T6N, R2E
T5N, R1E T5N, R2E



LEGEND

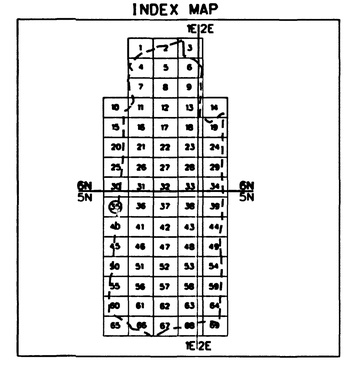
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43142	598006.179	1018028.534	1581.54

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
LEE HARBERS
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

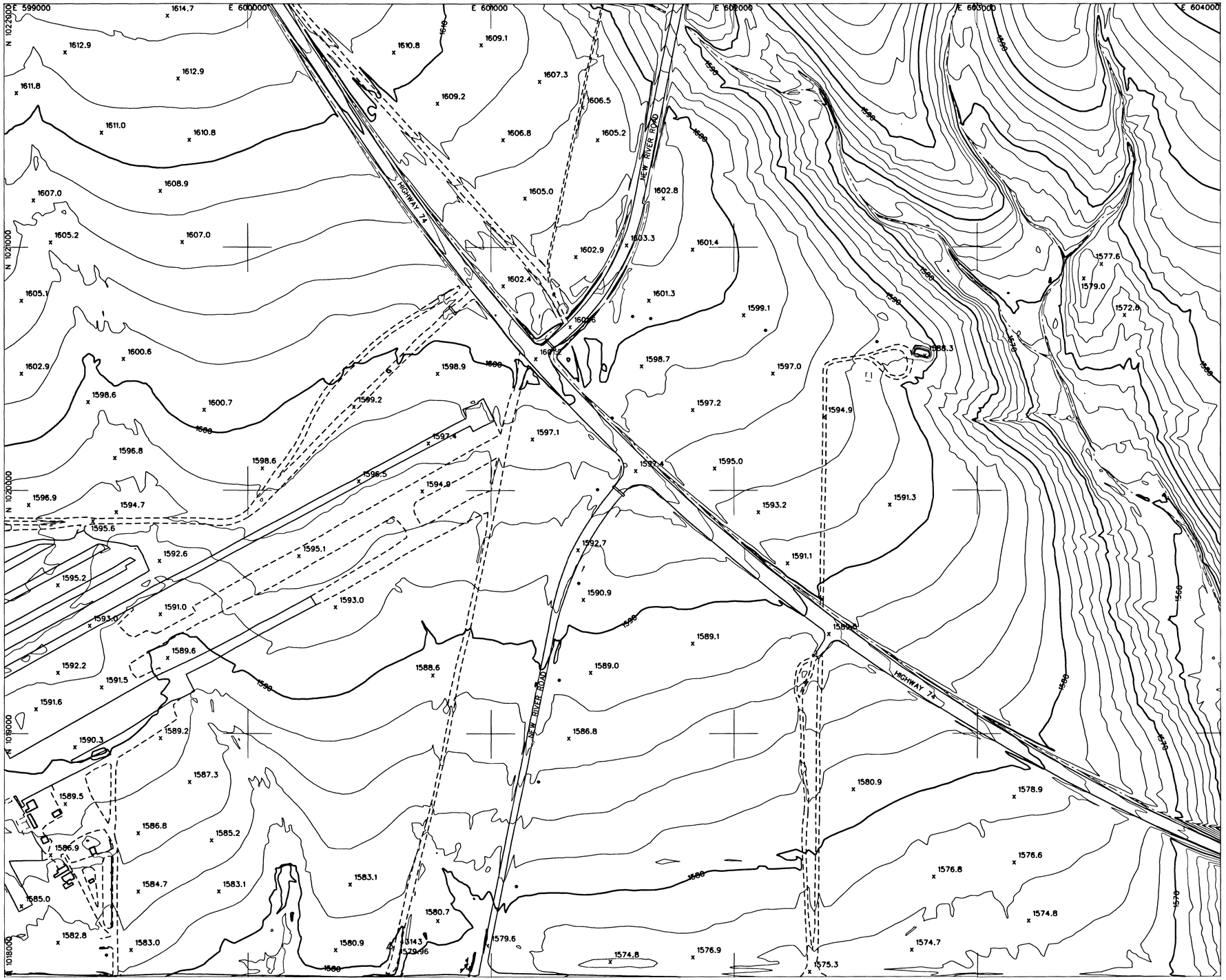
SHEET 35 OF 69

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.

T5N, R1E



LEGEND

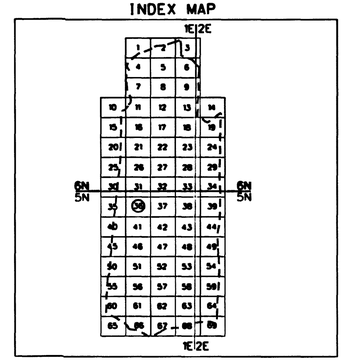
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43143	600584.864	1018124.830	1579.96

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR — Paul L. Hansen — 20 A — Renewal 2-28-05 — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

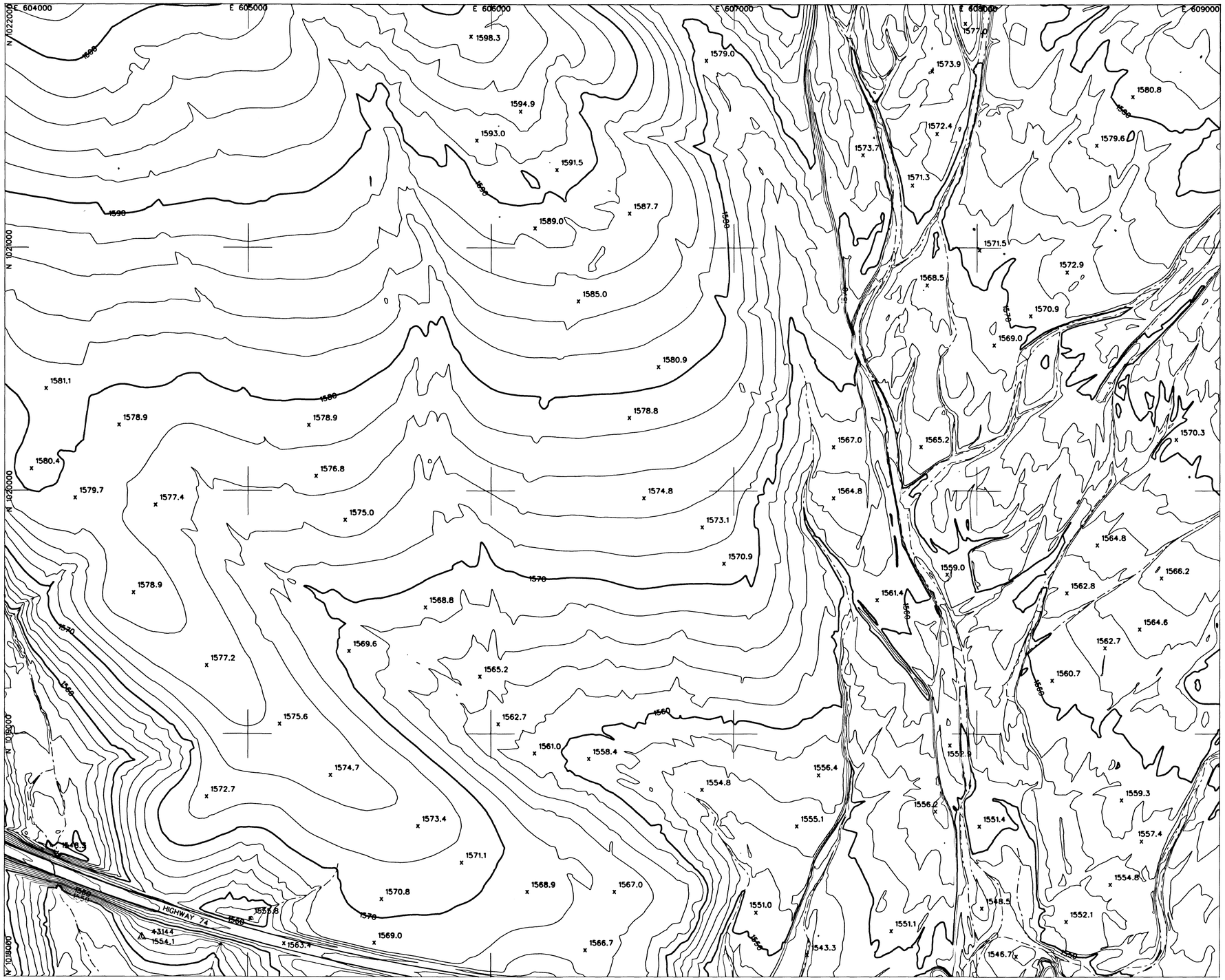
SHEET 36 OF 69

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.

T5N. R1E



LEGEND

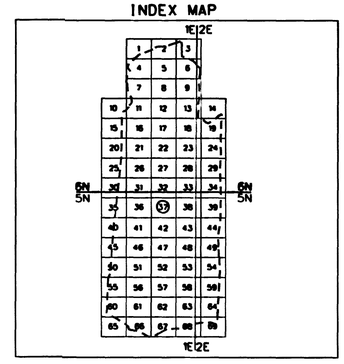
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43144	604565.349	1018161.656	1554.30

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

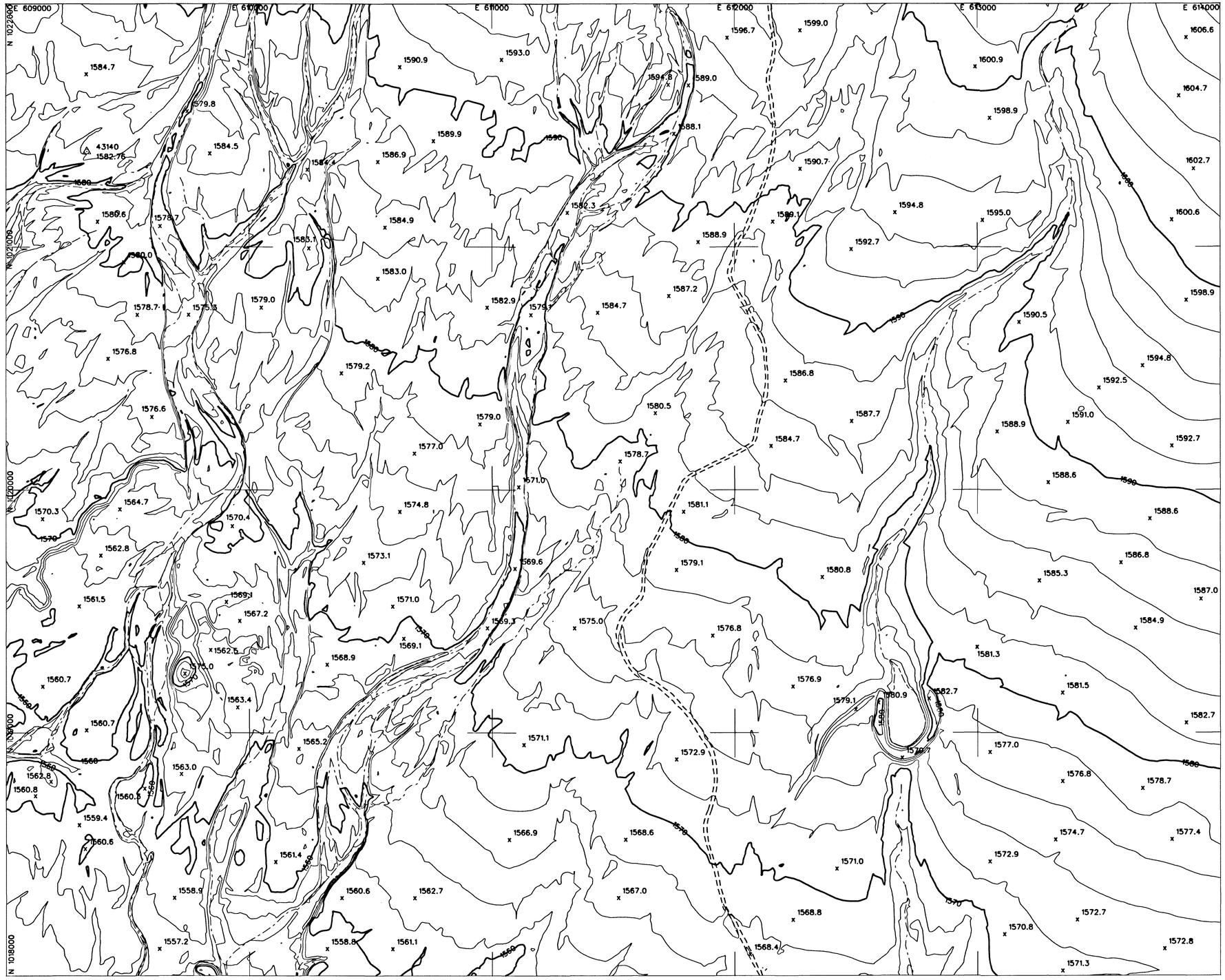
SHEET 37 OF 69

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.

T5N, R1E



LEGEND

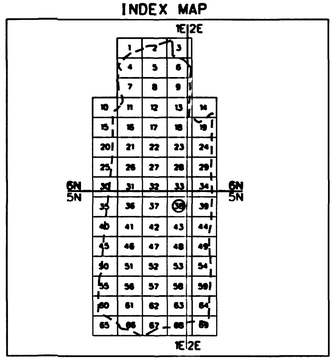
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43140	609332.632	1021392.178	1582.76

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

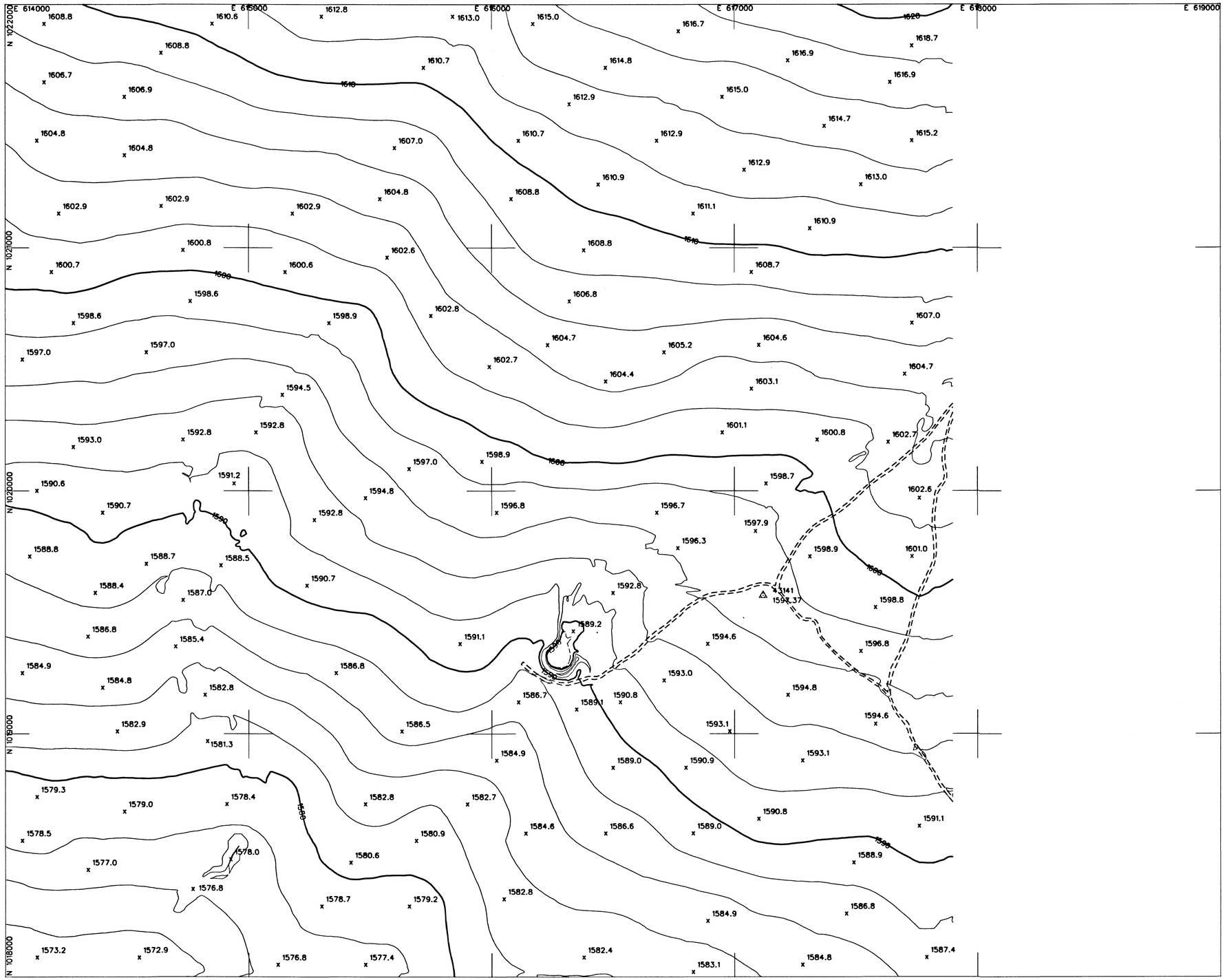
SHEET 38 OF 69

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.

T5N, R1E
T5N, R2E



LEGEND

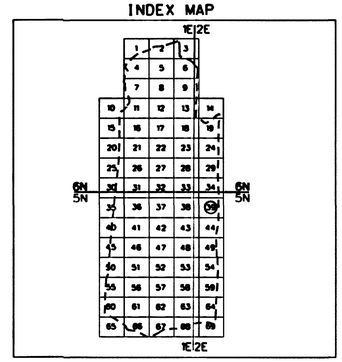
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43141	617117.696	1019569.300	1597.37

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

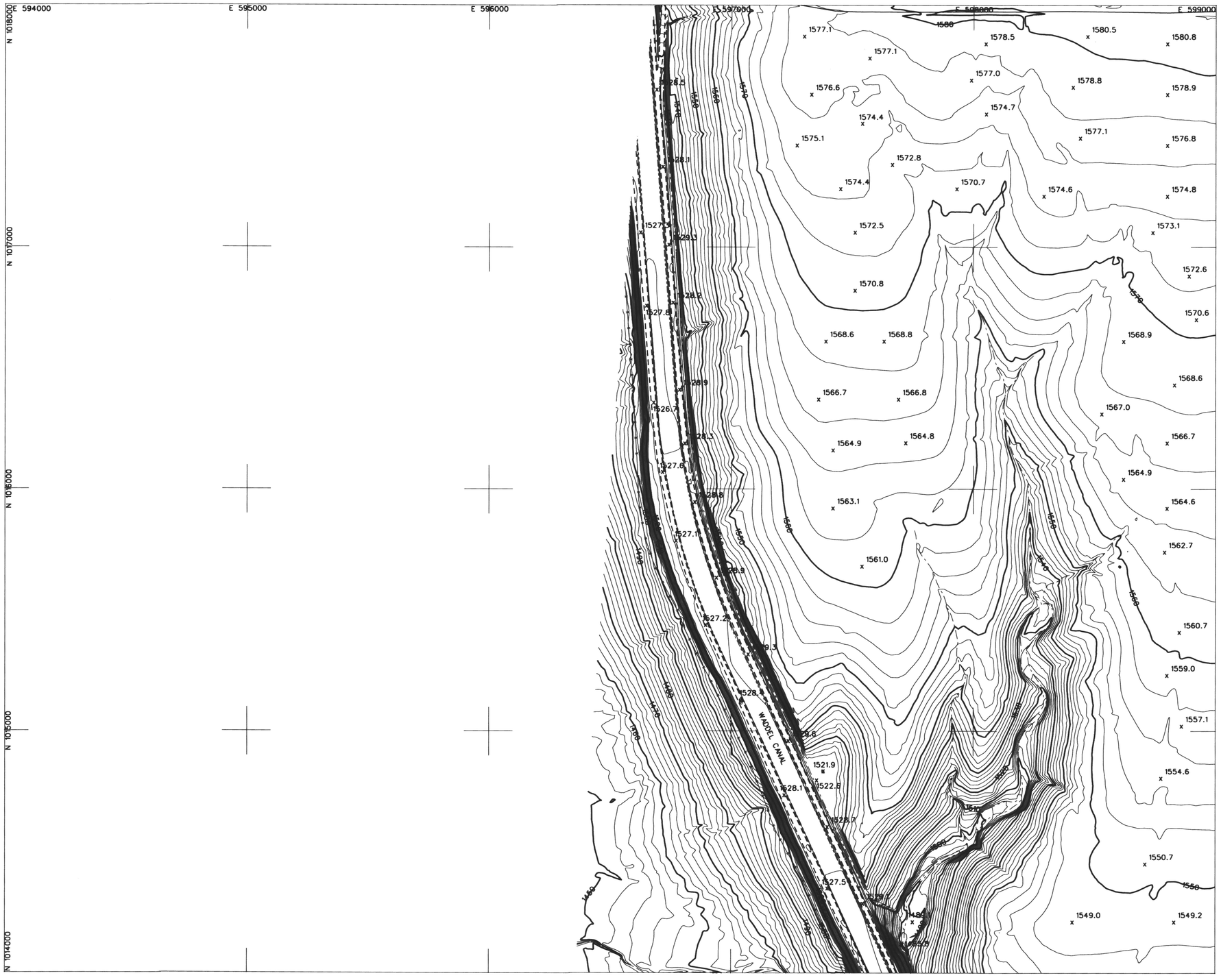
SHEET 39 OF 69

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.

T5N, R2E



LEGEND

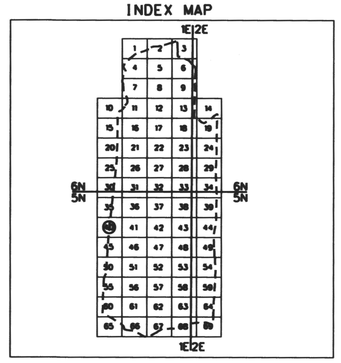
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1580
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

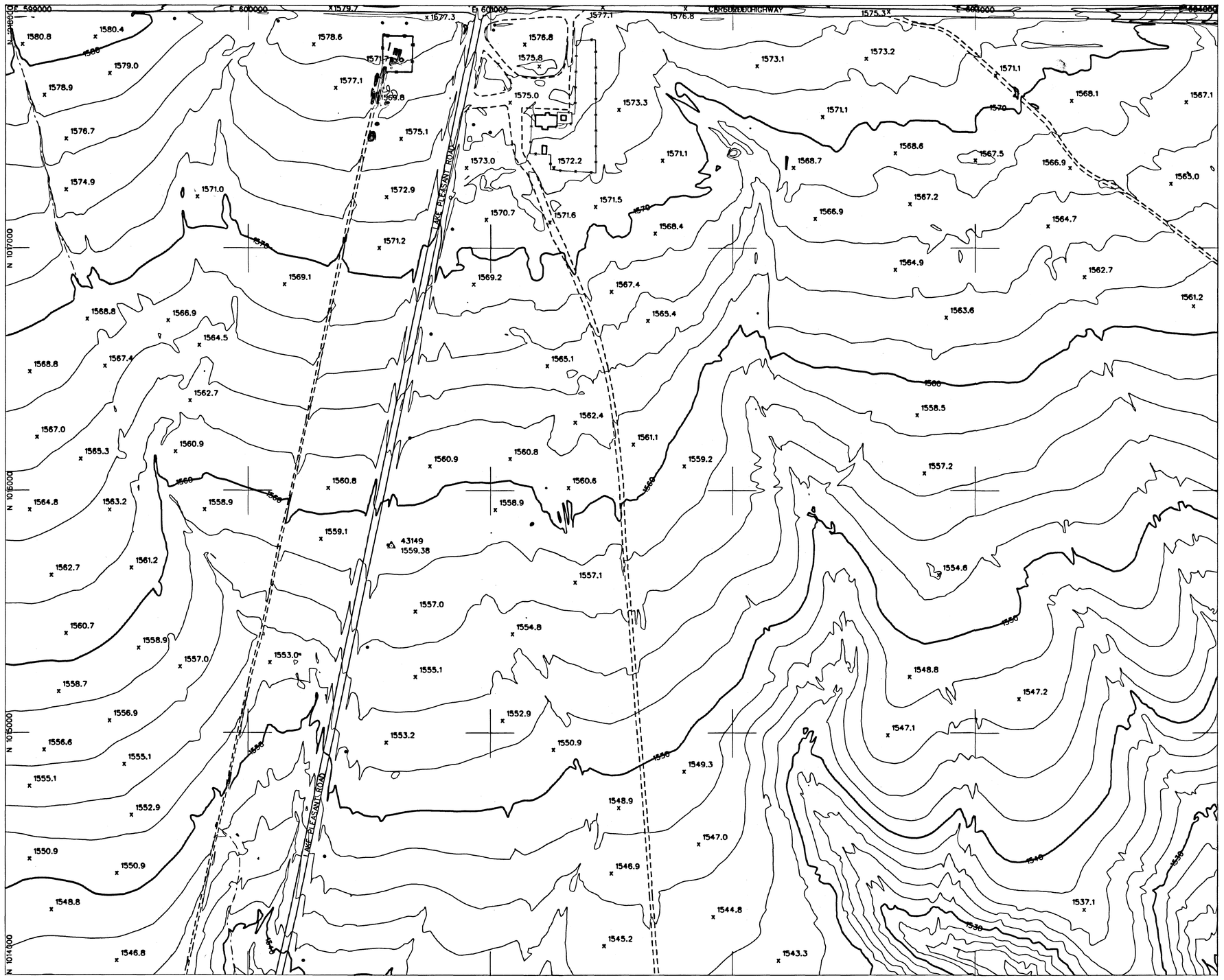
SHEET 40 OF 69

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.

T5N. R1E



LEGEND

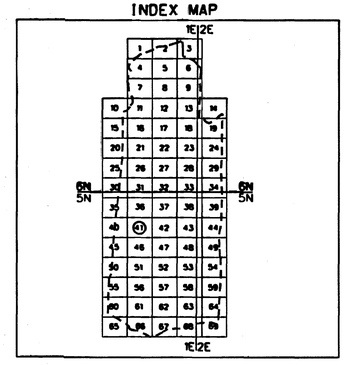
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43149	600591.240	1015771.934	1559.38

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

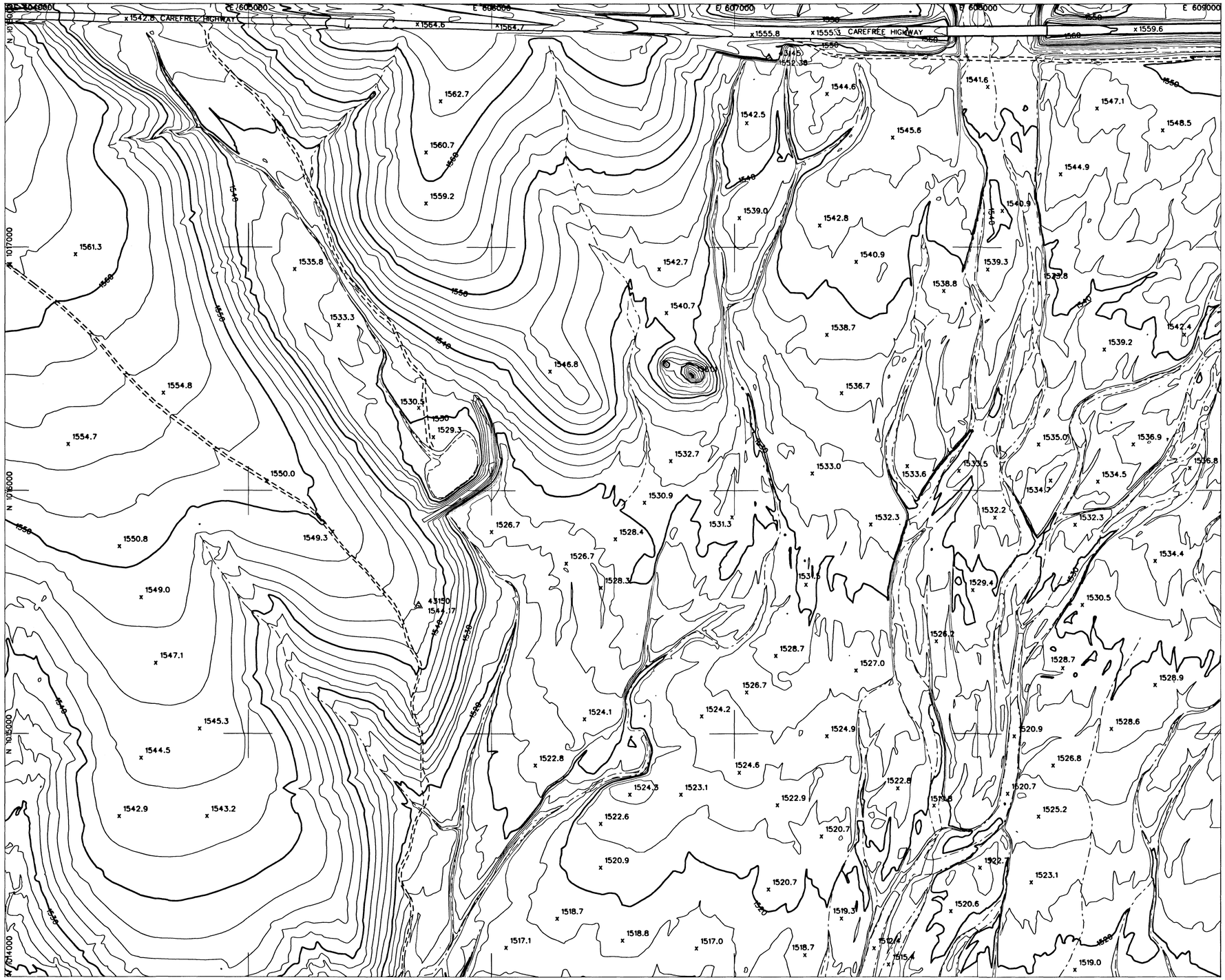
SHEET 41 OF 69

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.

T5N. R1E



LEGEND

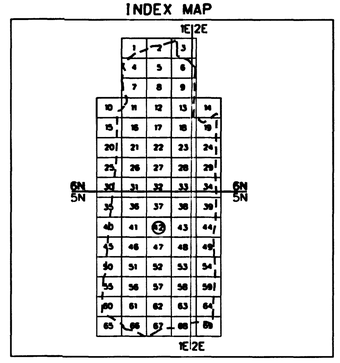
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43145	607141.510	1017778.302	1552.38
43150	605699.414	1015526.411	1544.17

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — 29401 — LEE HARBERS — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

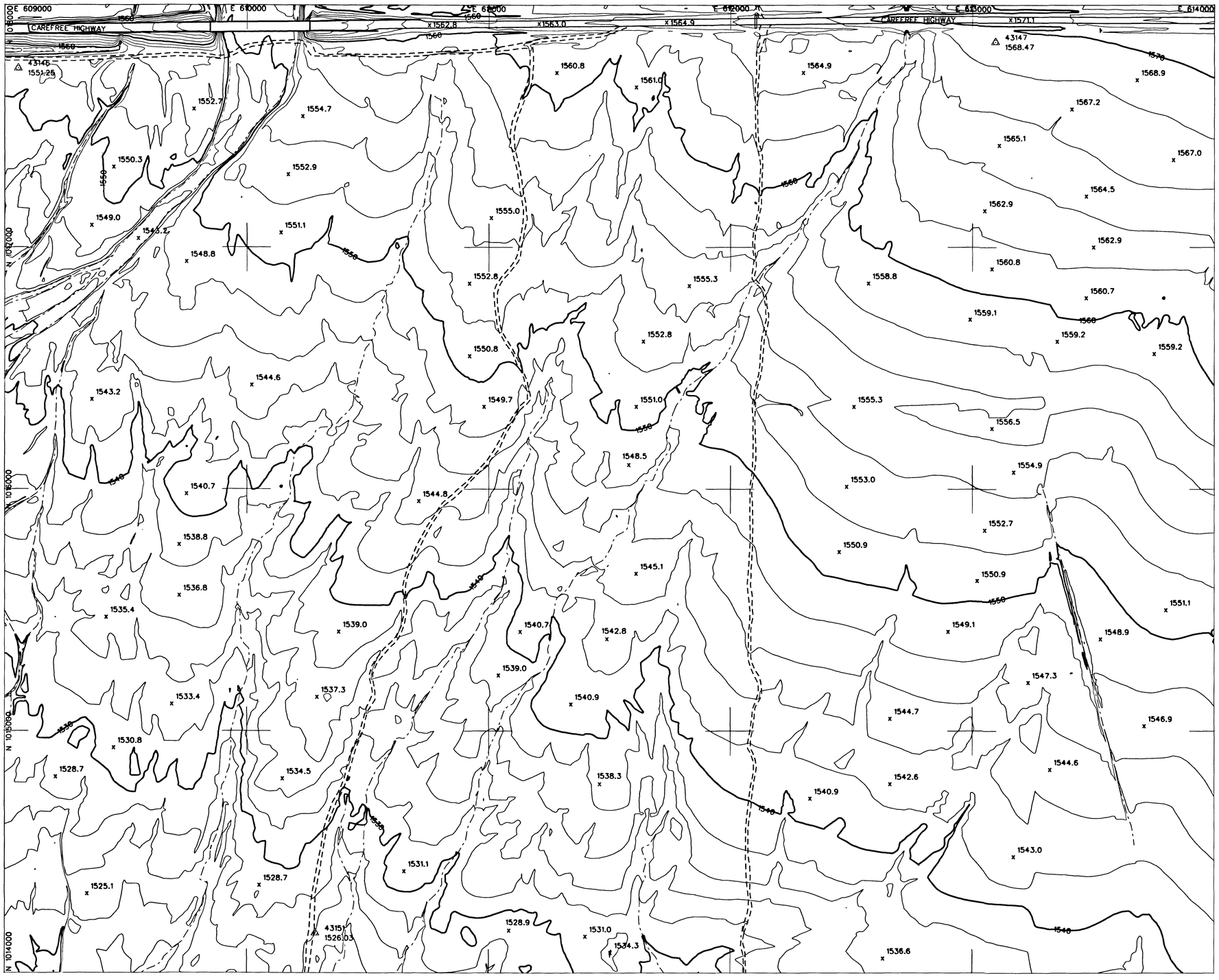
SHEET 42 OF 69

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.

T5N, R1E



LEGEND

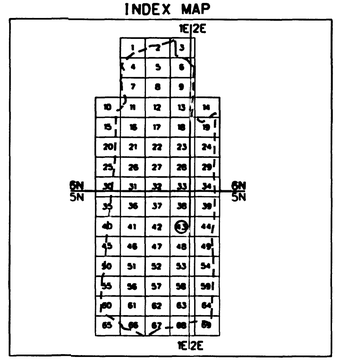
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1560
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43146	609055.914	1017738.259	1551.25
43147	613094.125	1017847.070	1568.47
43151	610282.687	1014164.330	1526.03

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR 26401 LEE HARBERT Expires 12-31-04 ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

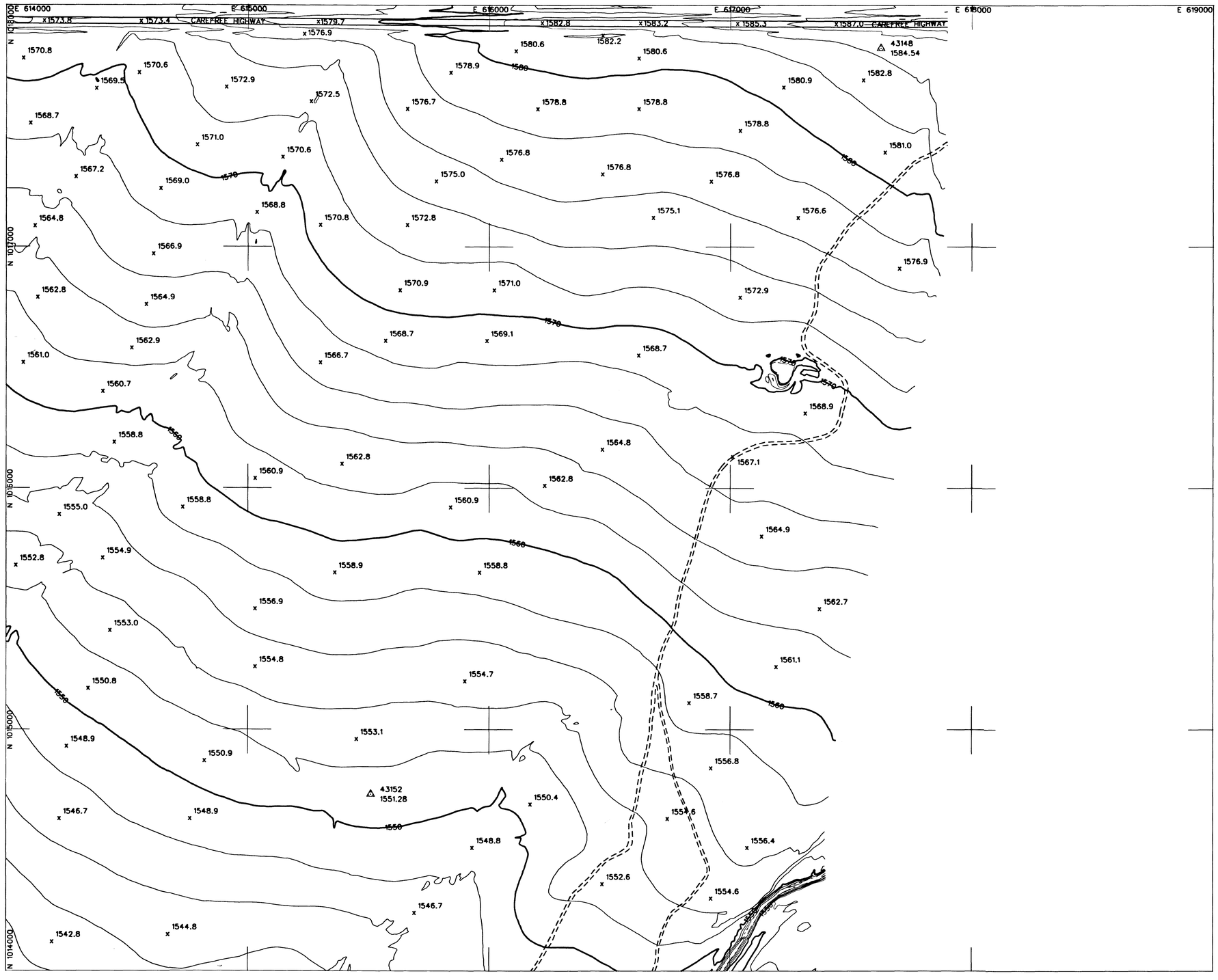
SHEET 43 OF 69

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.

T5N. R1E
T5N. R2E



LEGEND

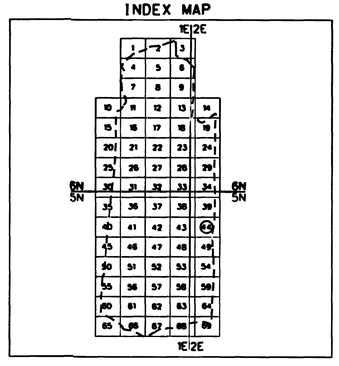
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43148	617622.886	1017822.655	1584.54
43152	615510.129	1014731.852	1551.28

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
ARIZONA U.S.A.
26401
LEE HARBERS
Date Signed 2-25-03

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 44 OF 69

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.

T5N, R1E
T5N, R2E

E 594000 E 595000 E 596000 E 597000 E 598000 E 599000

N 1014000 N 1013000 N 1012000 N 1011000 N 1010000

WADDELL CANAL

CENTRAL ARIZONA PROJECT CANAL

LEGEND

AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP

1E 2E

6N 5N

1E 2E

200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

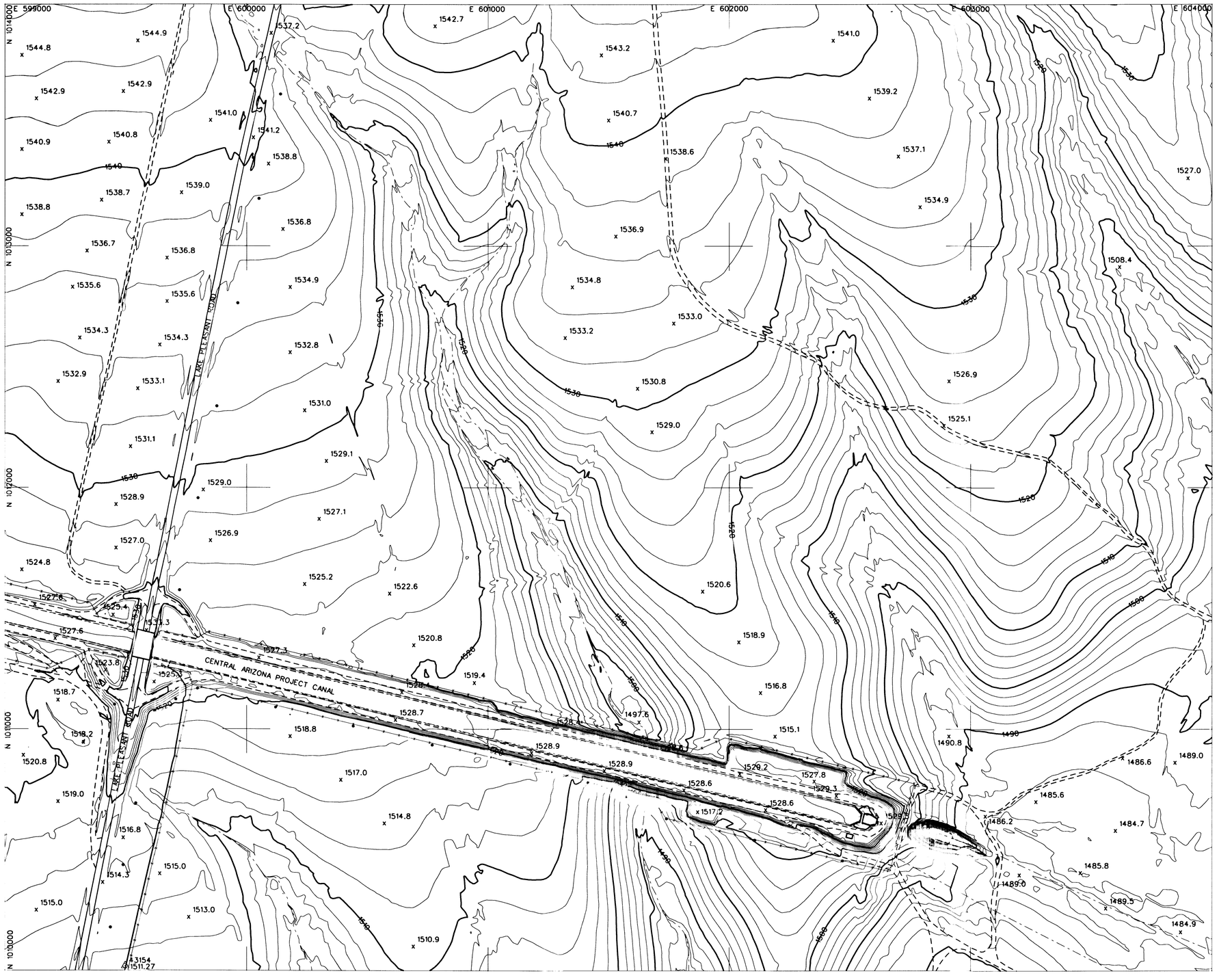
SHEET 45 OF 69

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.

T5N. R1E



LEGEND

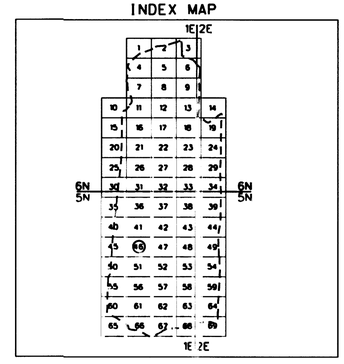
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43154	599498.552	1010018.383	1511.27

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

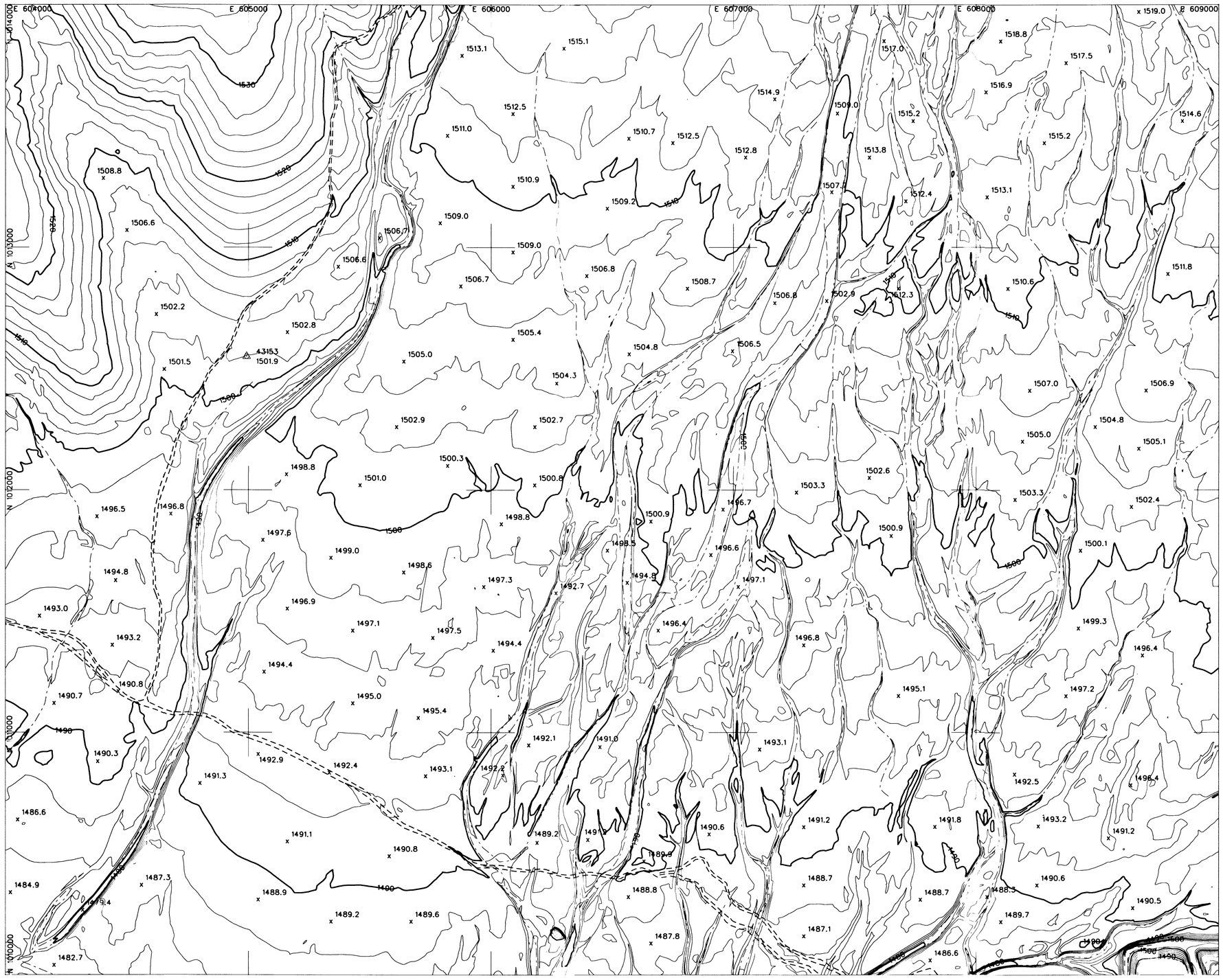
SHEET 46 OF 69

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.

T5N. R1E



LEGEND

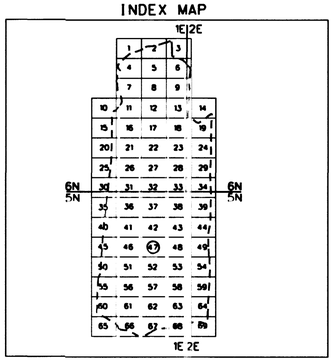
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43153	604992.217	1012550.248	1501.90

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

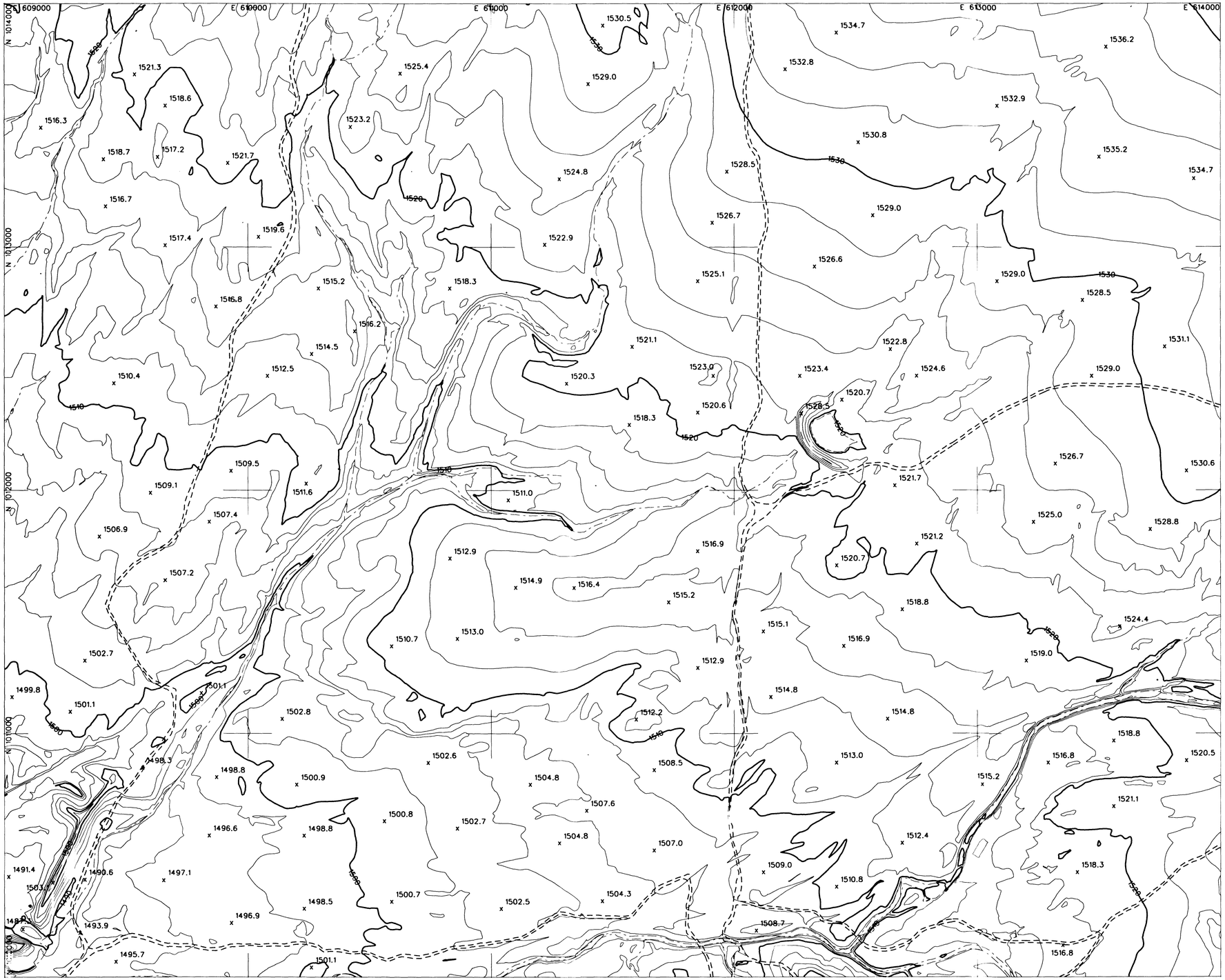
SHEET 47 OF 69

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.

T5N. R1E



LEGEND

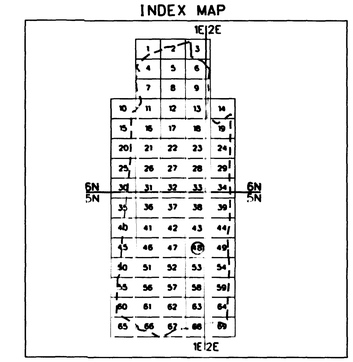
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

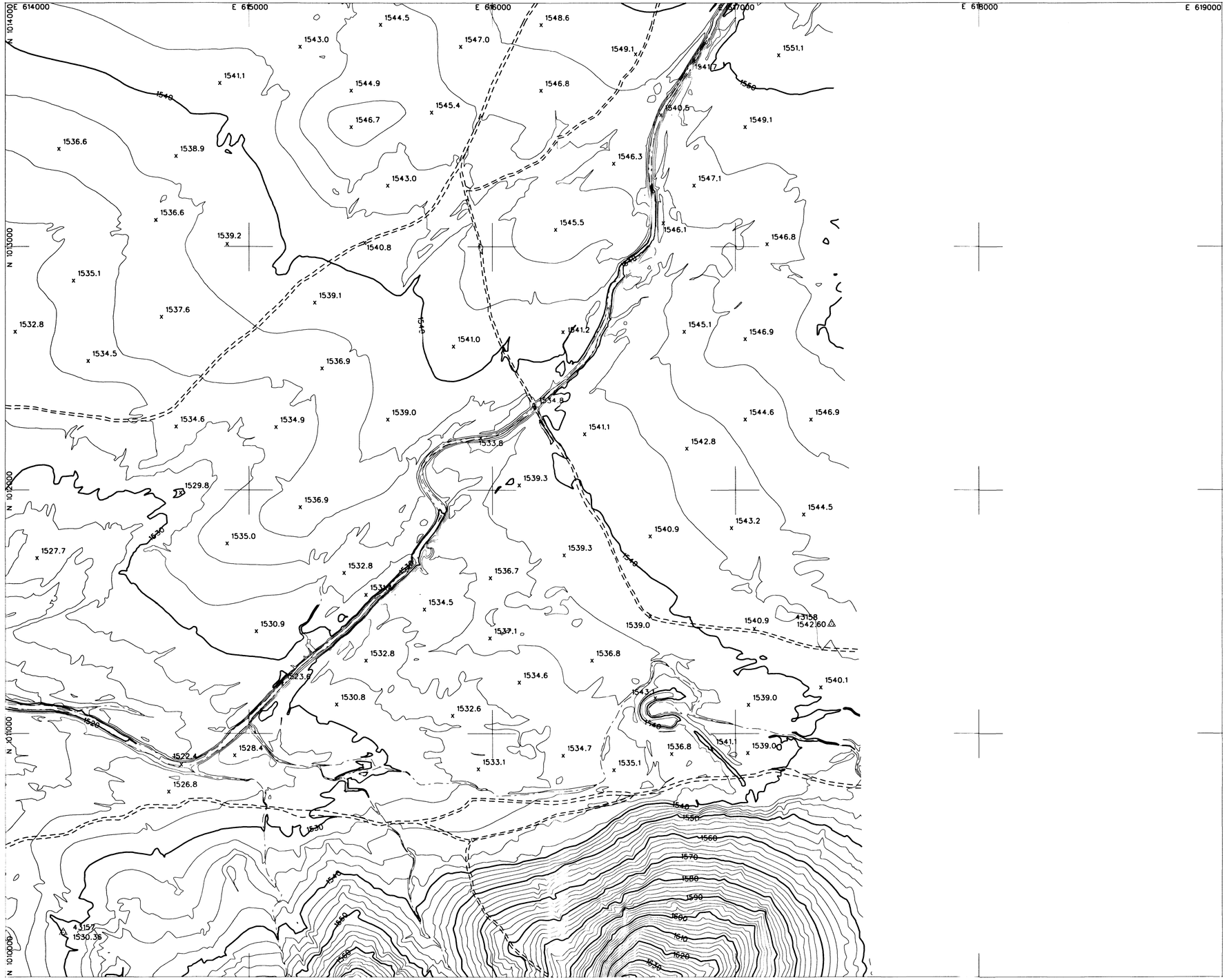
SHEET 48 OF 69

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.

T5N, R1E
T5N, R2E



LEGEND

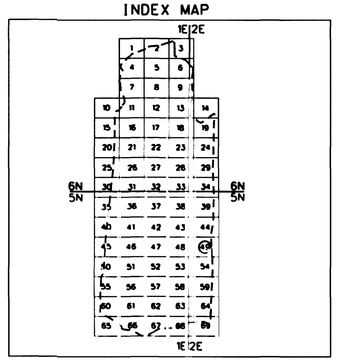
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43157	614236.891	1010183.505	1530.36
43158	617395.207	1011449.557	1542.60

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

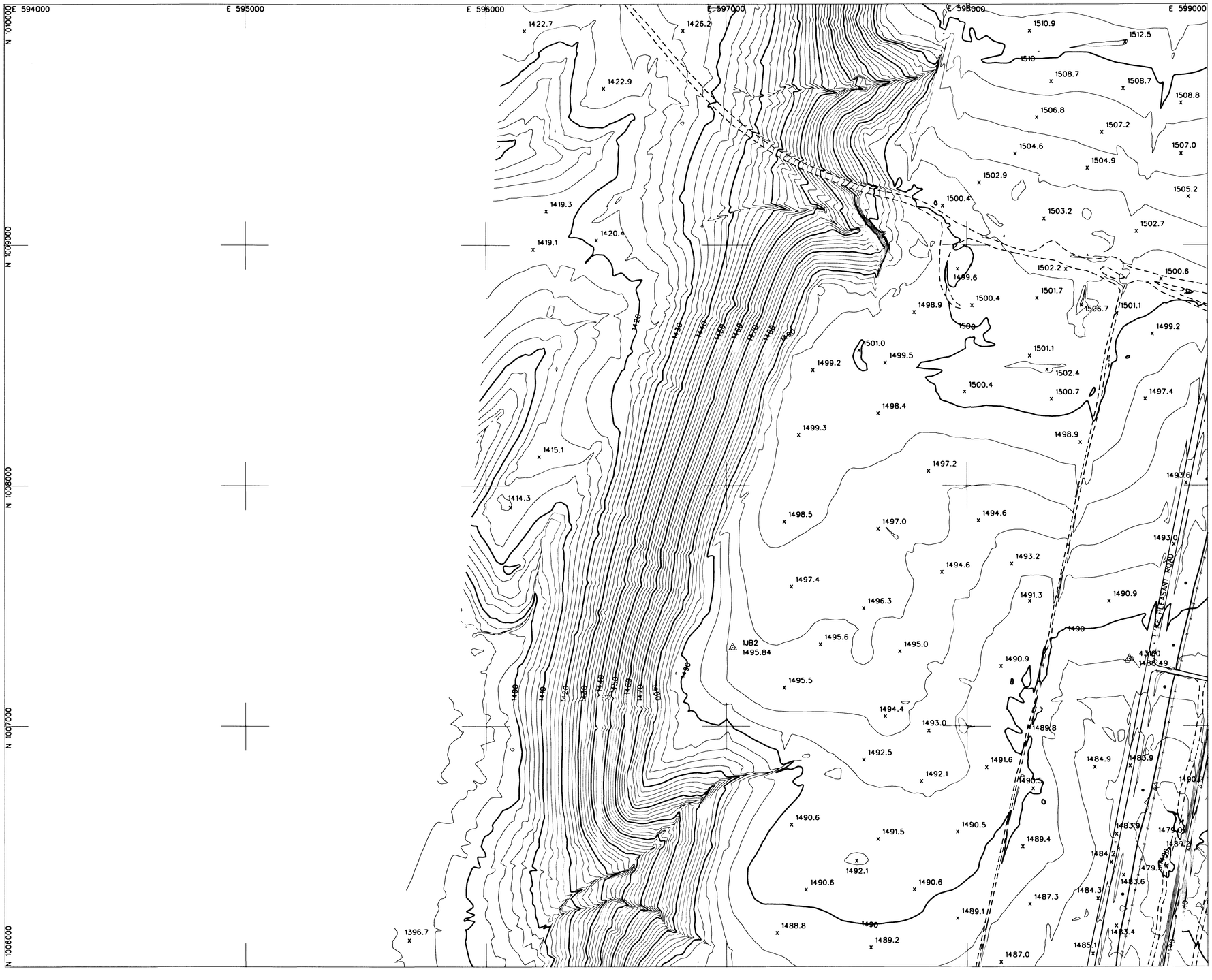
SHEET 49 OF 69

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.

T5N. R1E
T5N. R2E



LEGEND

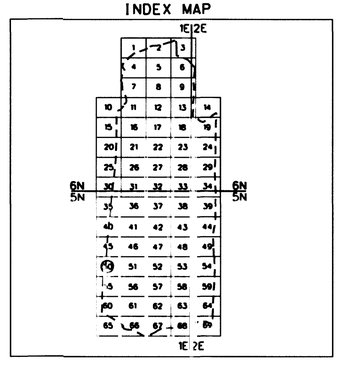
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83. ARIZONA STATE PLANE. CENTRAL ZONE. INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43160	598674.070	1007280.298	1488.49
1J82	597026.097	1007327.314	1495.84

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

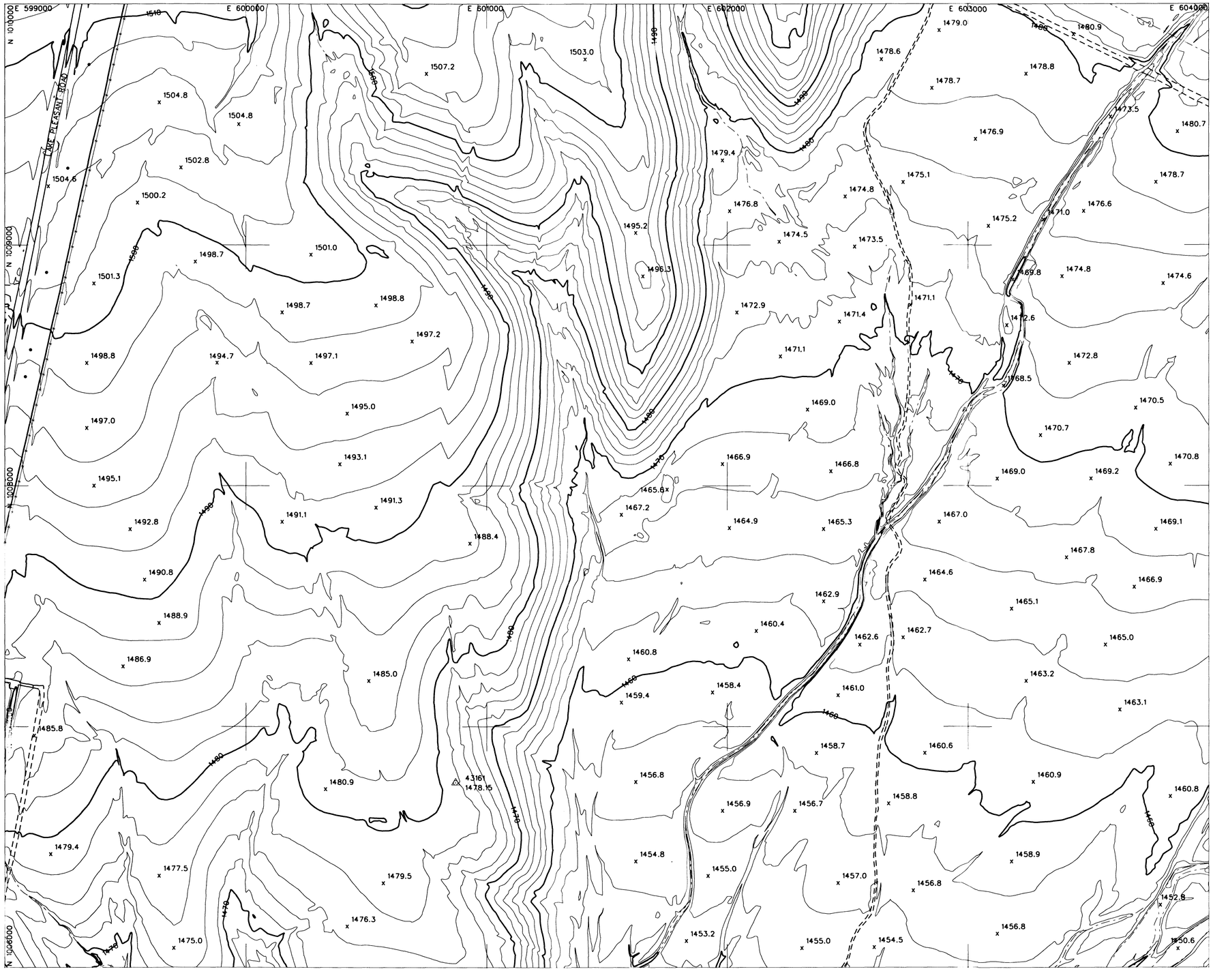
SHEET 50 OF 69

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.

T5N. R1E



LEGEND

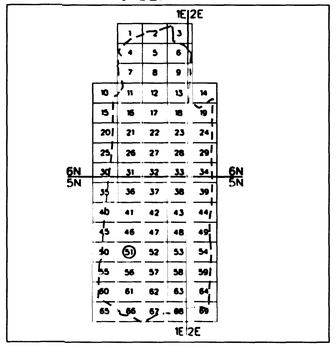
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43161	600870.694	1006767.056	1478.15

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 51 OF 69

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.

T5N, R1E

LEGEND

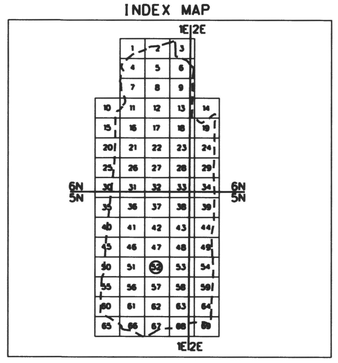
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43155	604020.078	1009864.796	1485.44
43162	604794.780	1006254.896	1460.26

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 28401 — JEFFREY D. LEE — Expires 3-31-04 — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

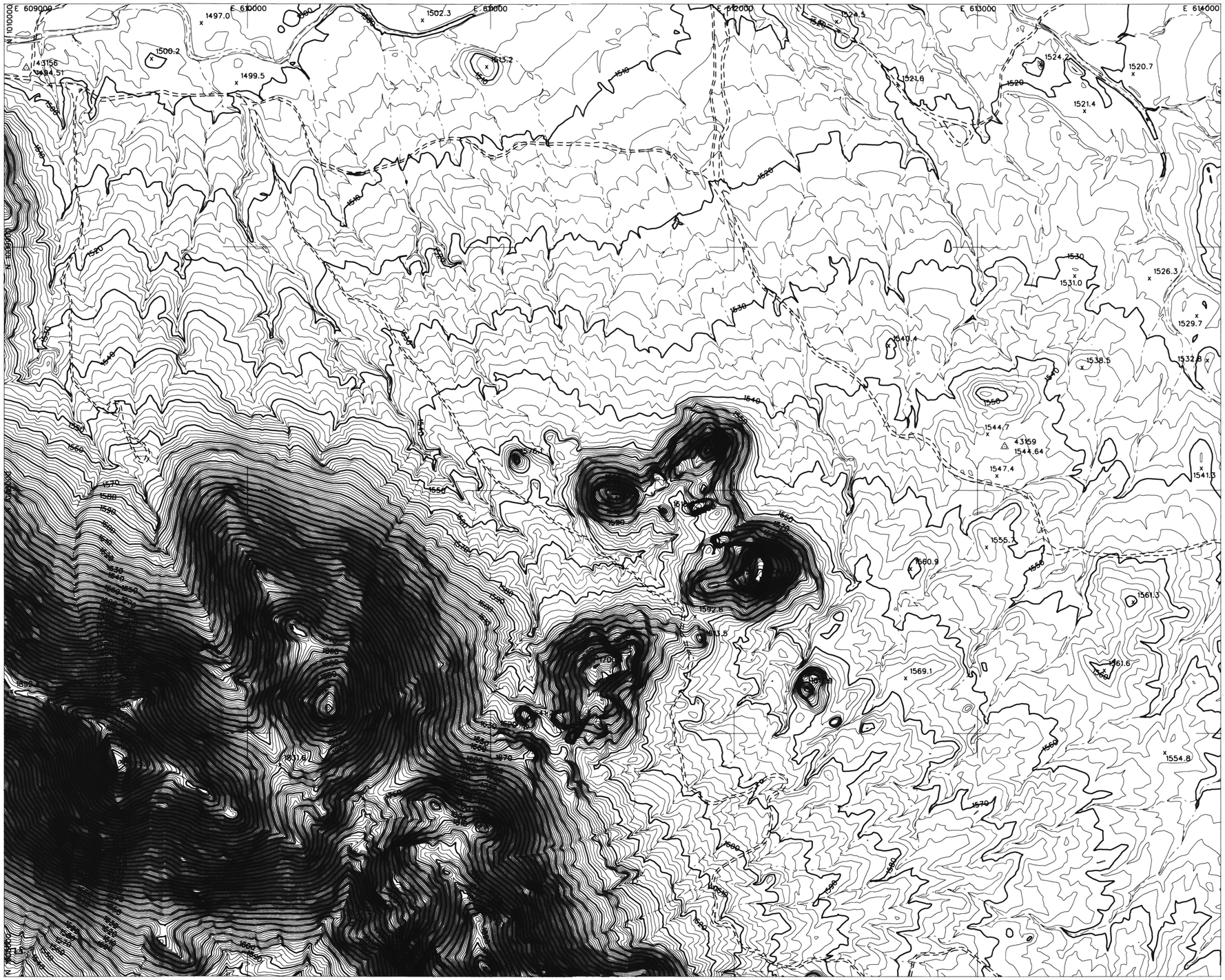
SHEET 52 OF 69

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.

T5N, R1E



LEGEND

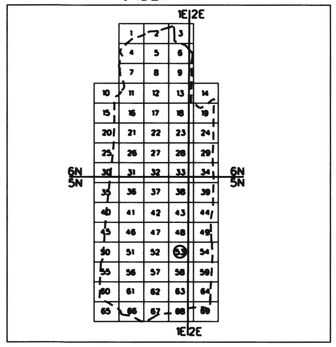
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊃ ⊂
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x 1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43156	609090.733	1009737.436	1494.51
43159	613111.643	1008180.951	1544.64

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

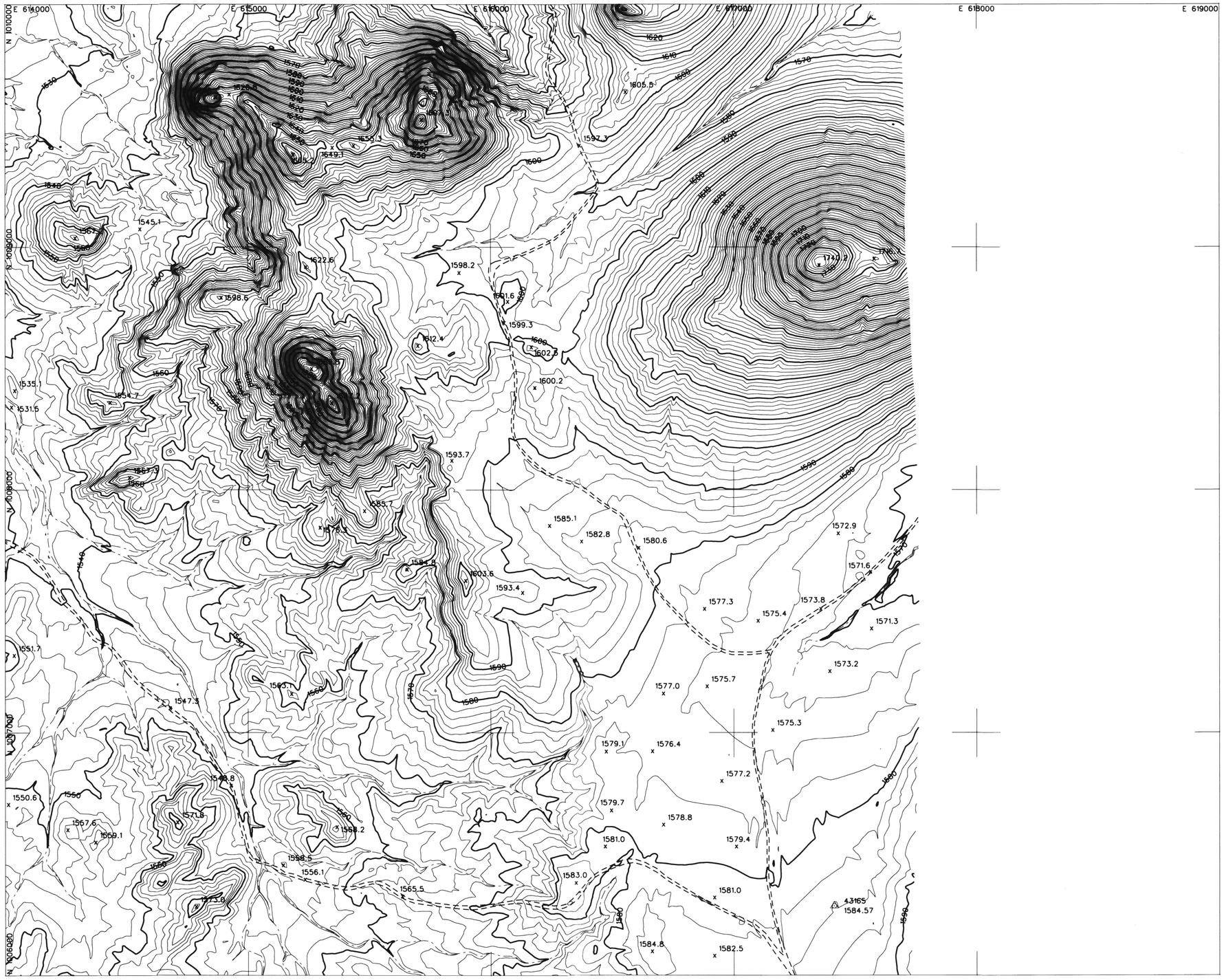
SHEET 53 OF 69

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.

T5N. R1E
T5N. R2E



LEGEND

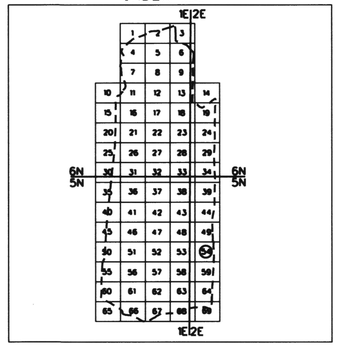
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊃ ⊂
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43165	617412.850	1006285.770	1584.57

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29401 LEE A. MARKUS Signed 2-25-04 ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 308
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

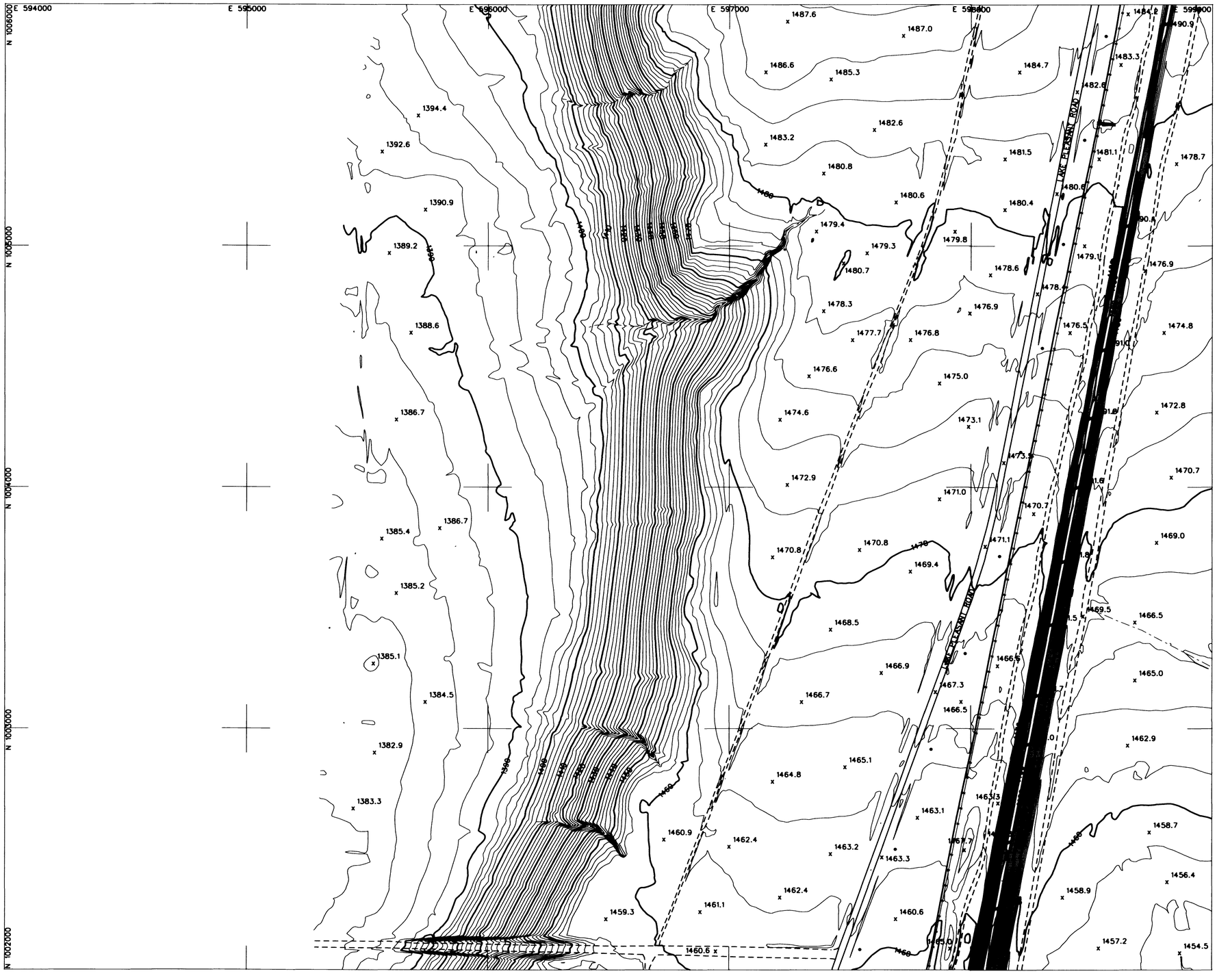
SHEET 54 OF 69

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.

T5N. R1E
T5N. R2E



LEGEND

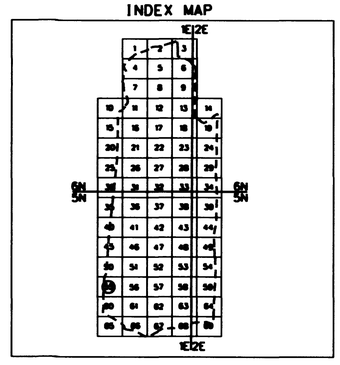
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

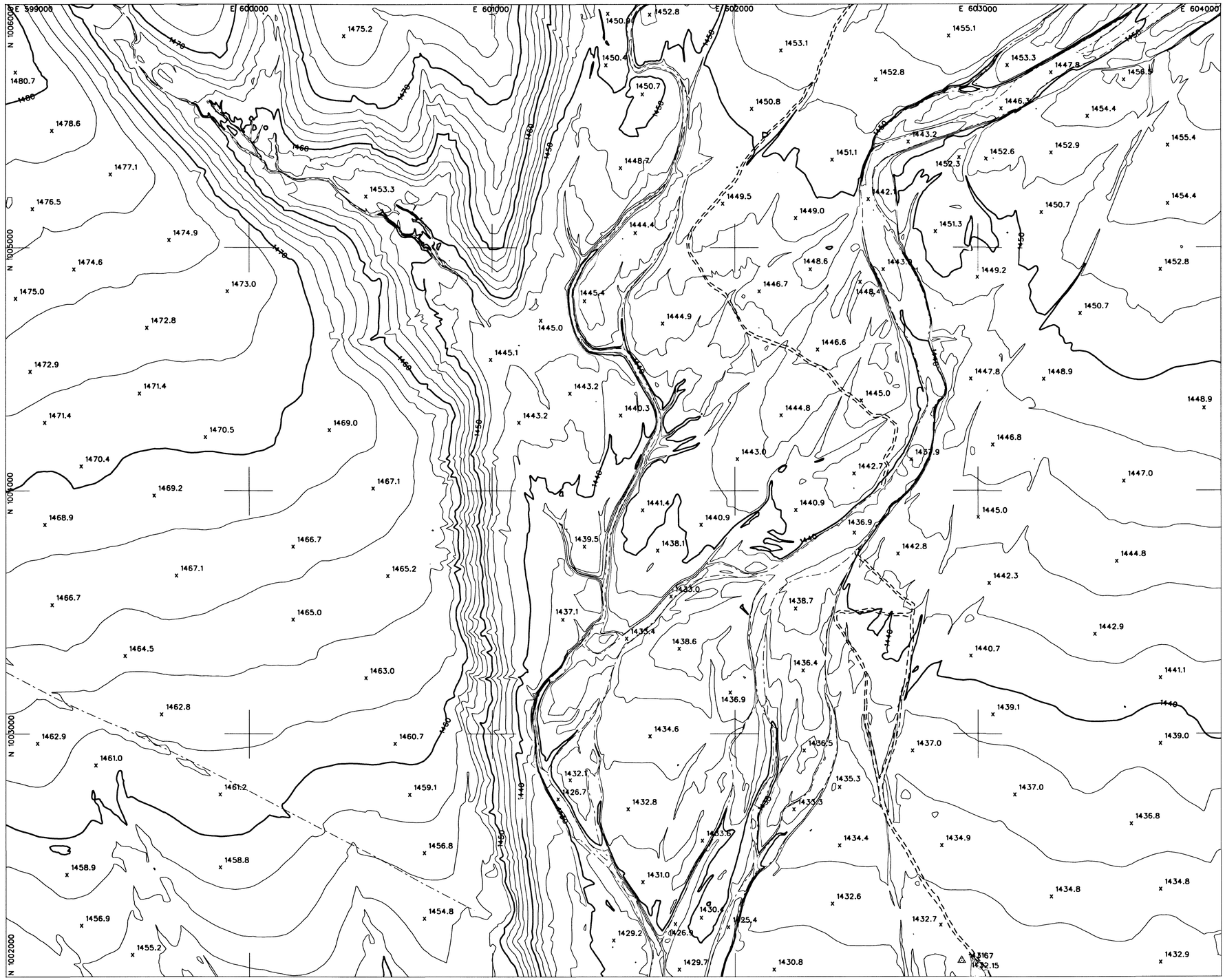
SHEET 55 OF 69

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.

T5N. R1E



LEGEND

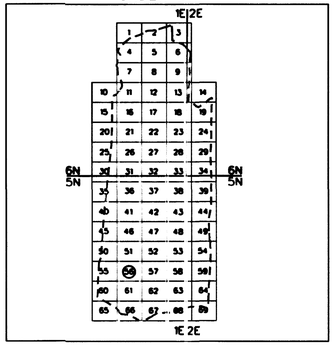
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43167	602931.732	1002066.043	1432.15

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR — JOHN FREDERICK WARREN — 26190 — LFE — 12-31-03 — Signature — ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

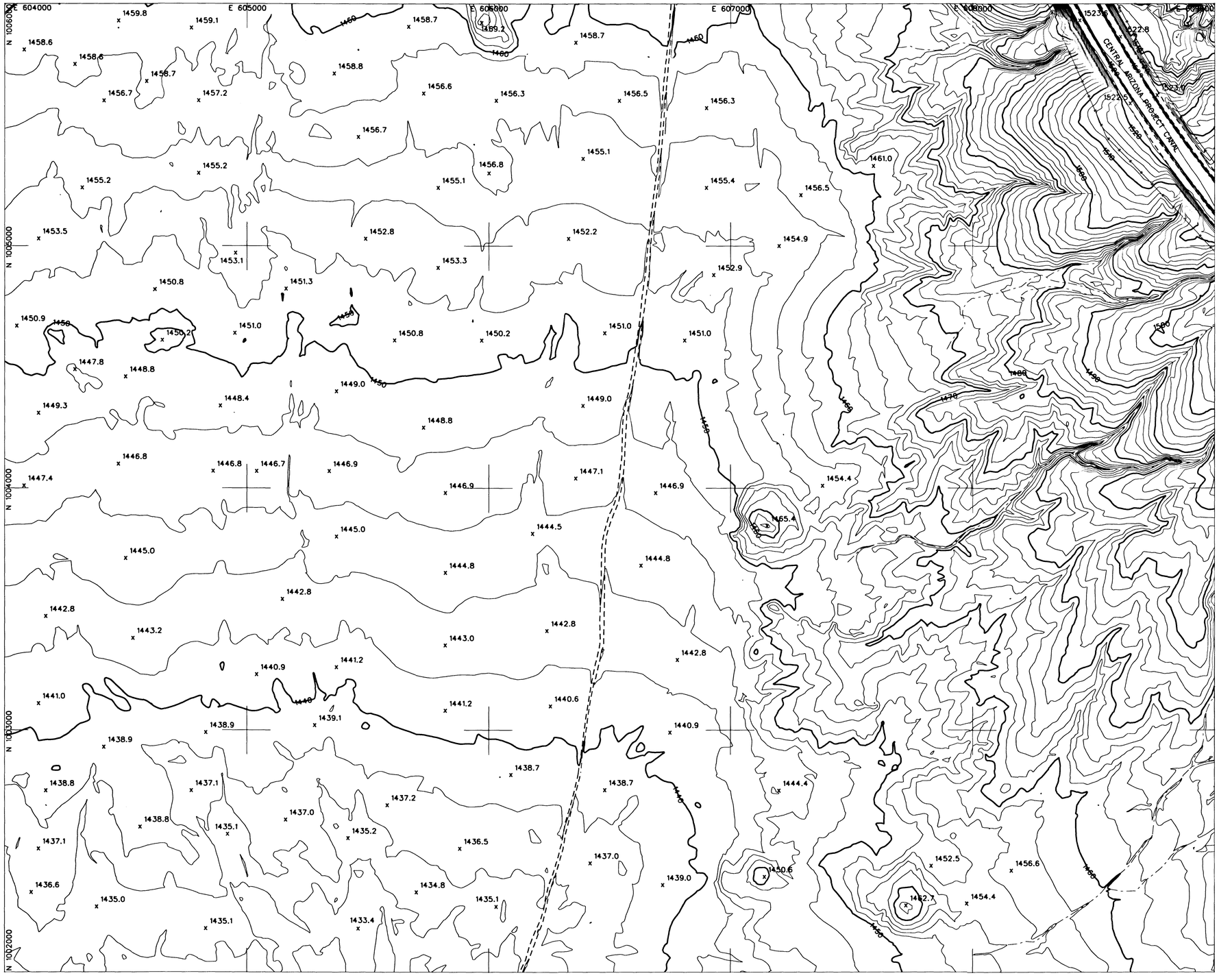
SHEET 56 OF 69

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.

T5N, R1E



LEGEND

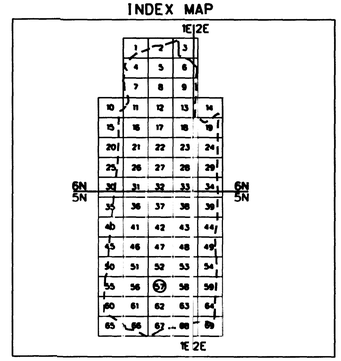
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z

INDEX MAP



200 0' 200 400
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR 2930 CERTIFICATE JAMES R. ARBELIS 8-25-04 ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

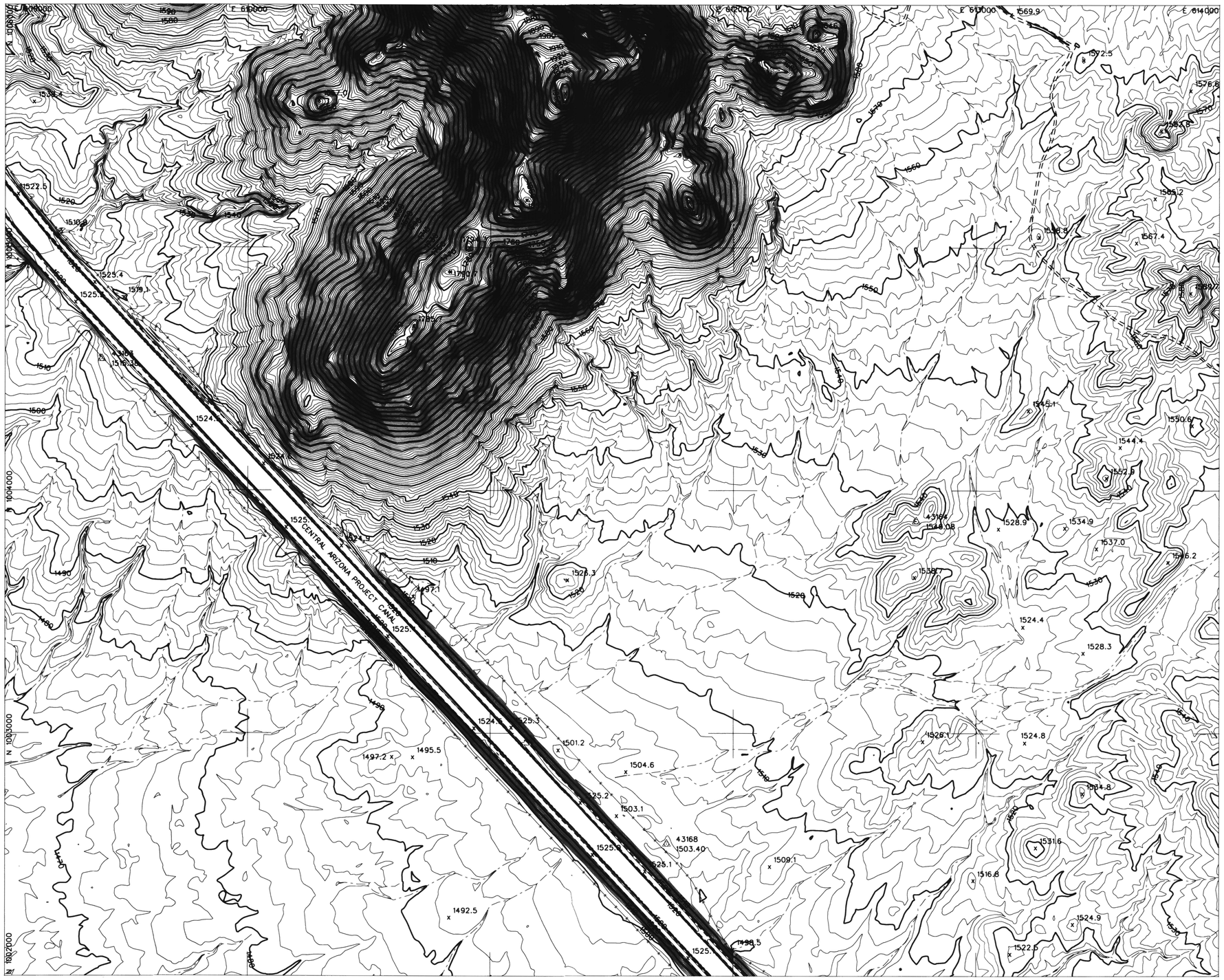
SHEET 57 OF 69

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.

T5N. R1E



LEGEND

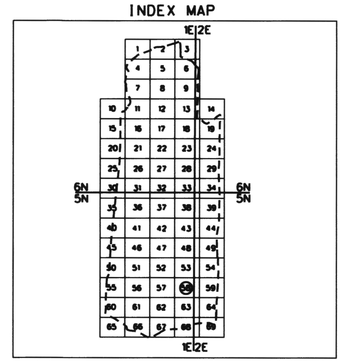
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43163	609398.810	1004540.651	1515.38
43164	612752.770	1003873.260	1546.08
43168	611726.027	1002543.813	1503.40

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

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

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

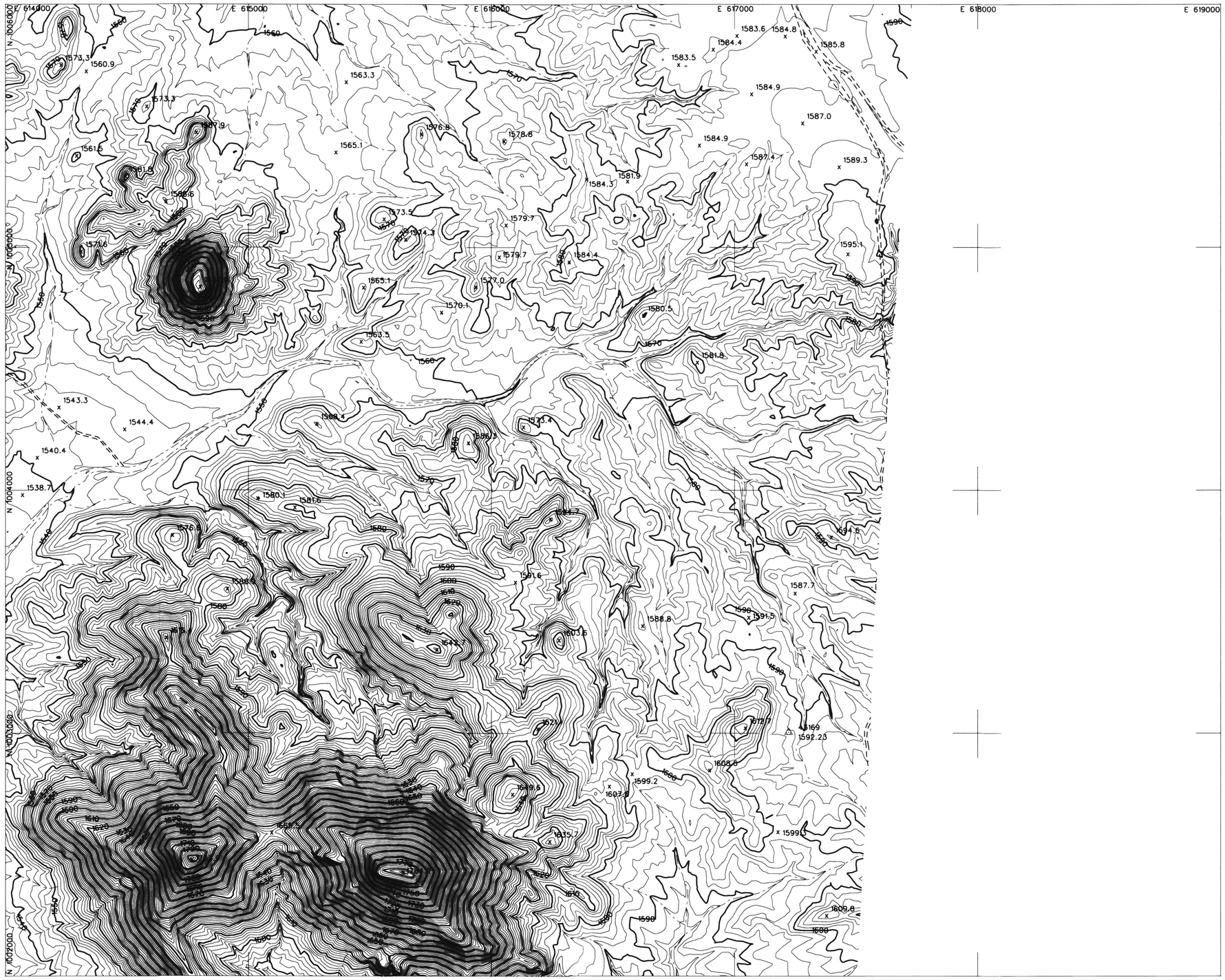
SHEET 58 OF 69

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.

T5N. R1E
T5N. R2E



LEGEND

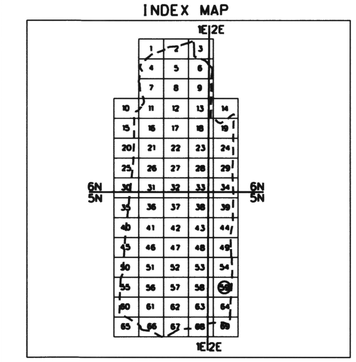
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43169	617222.119	1003003.552	1592.23

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26401
LEE HARBERS
Date Signed 2-25-03
ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

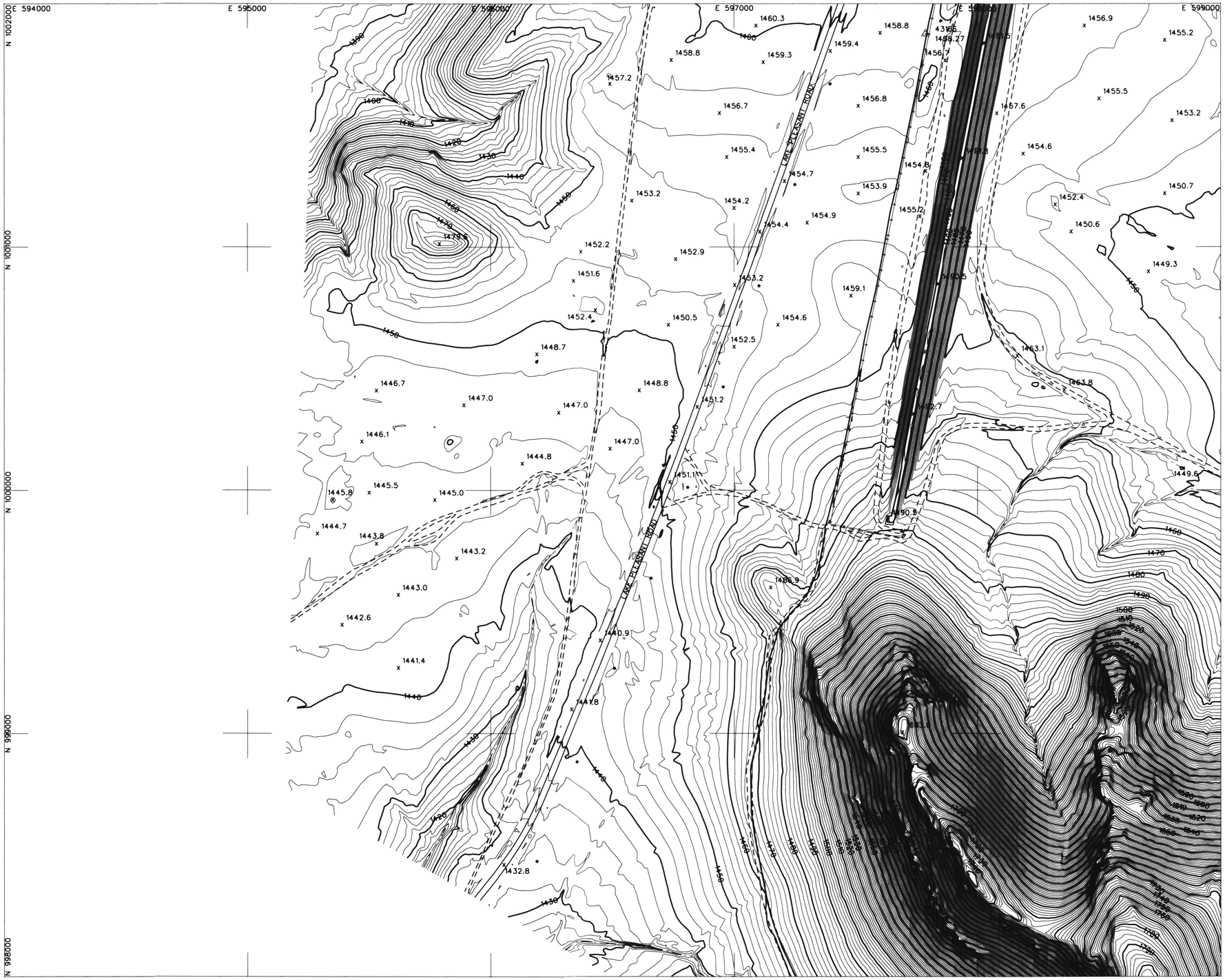
SHEET 59 OF 69

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.

T5N, R1E
T5N, R2E



LEGEND

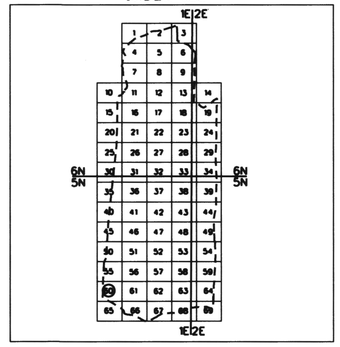
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43166	597786.891	1001875.982	1458.27

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

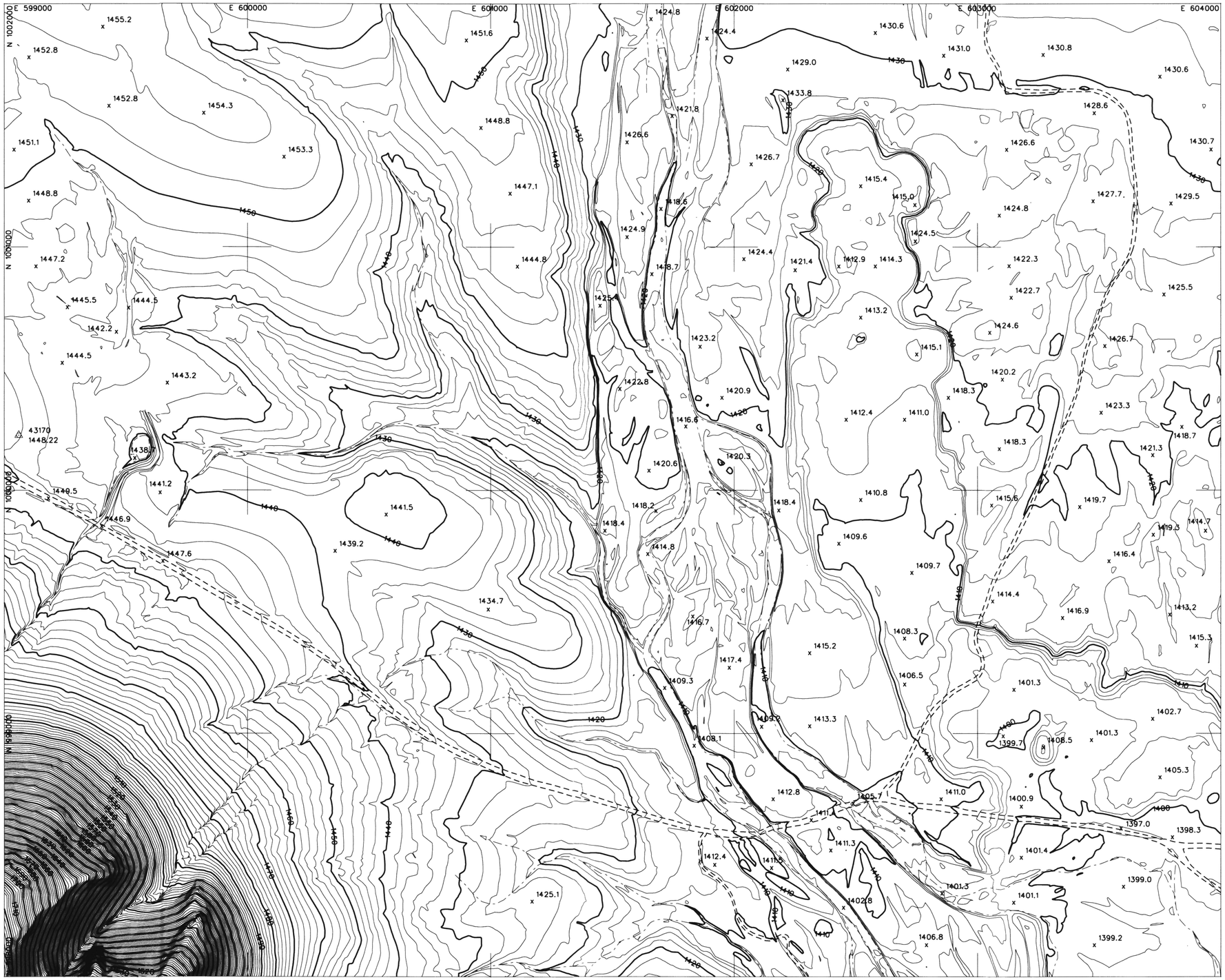
SHEET 60 OF 69

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.

T5N, R1E



LEGEND

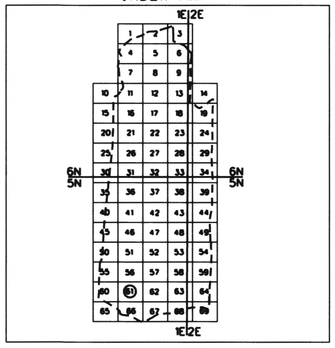
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43170	599059.663	1000226.492	1448.22

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 26407
LEE HARBOR
ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

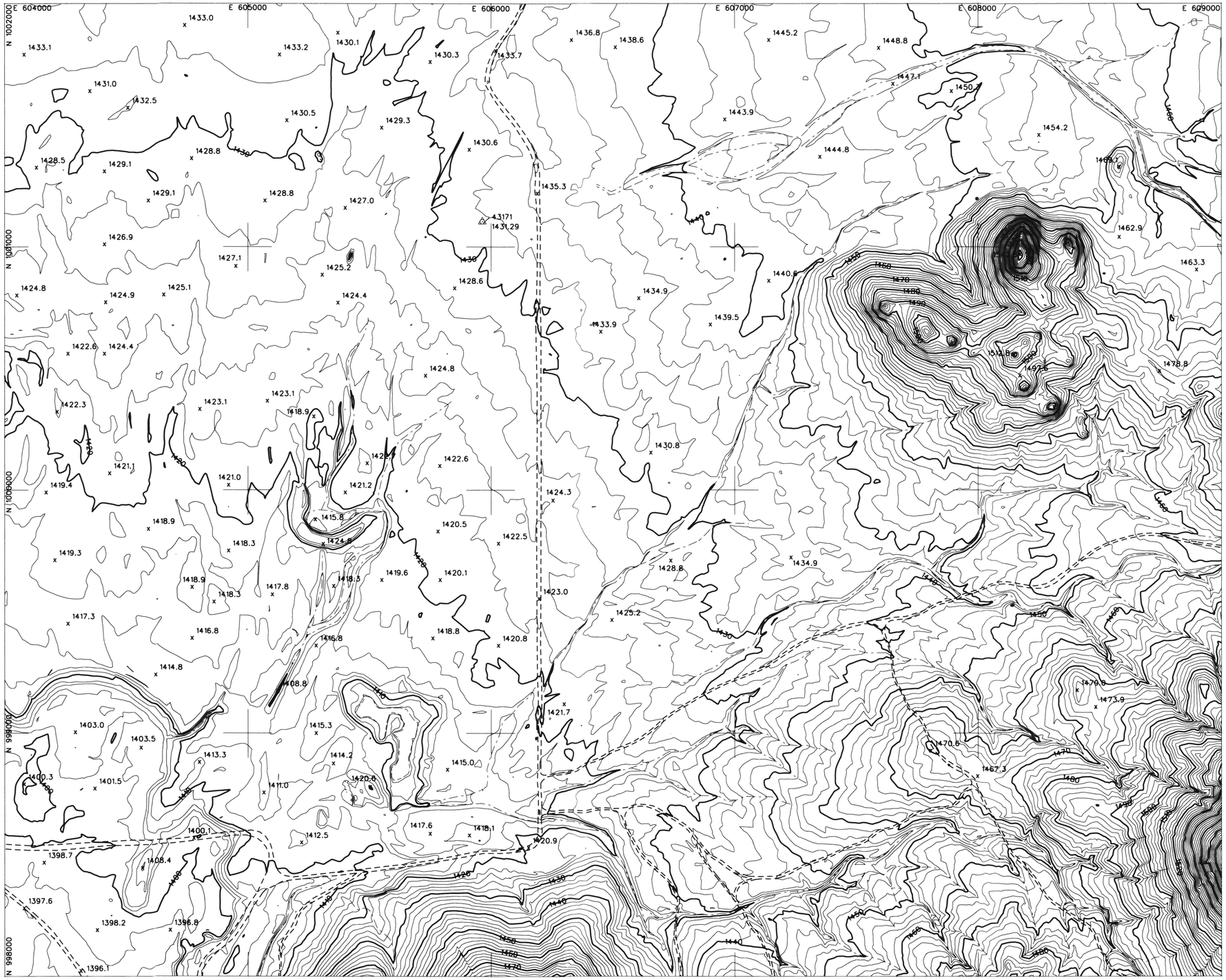
SHEET 61 OF 69

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.

T5N, R1E



LEGEND

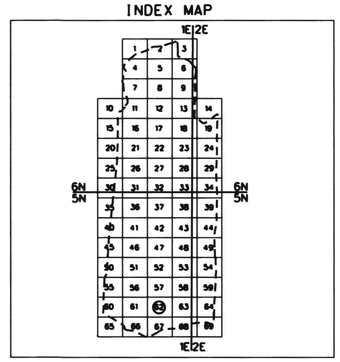
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- SPOT ELEVATION

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
4.3171	605964.132	1001103.612	1431.29

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

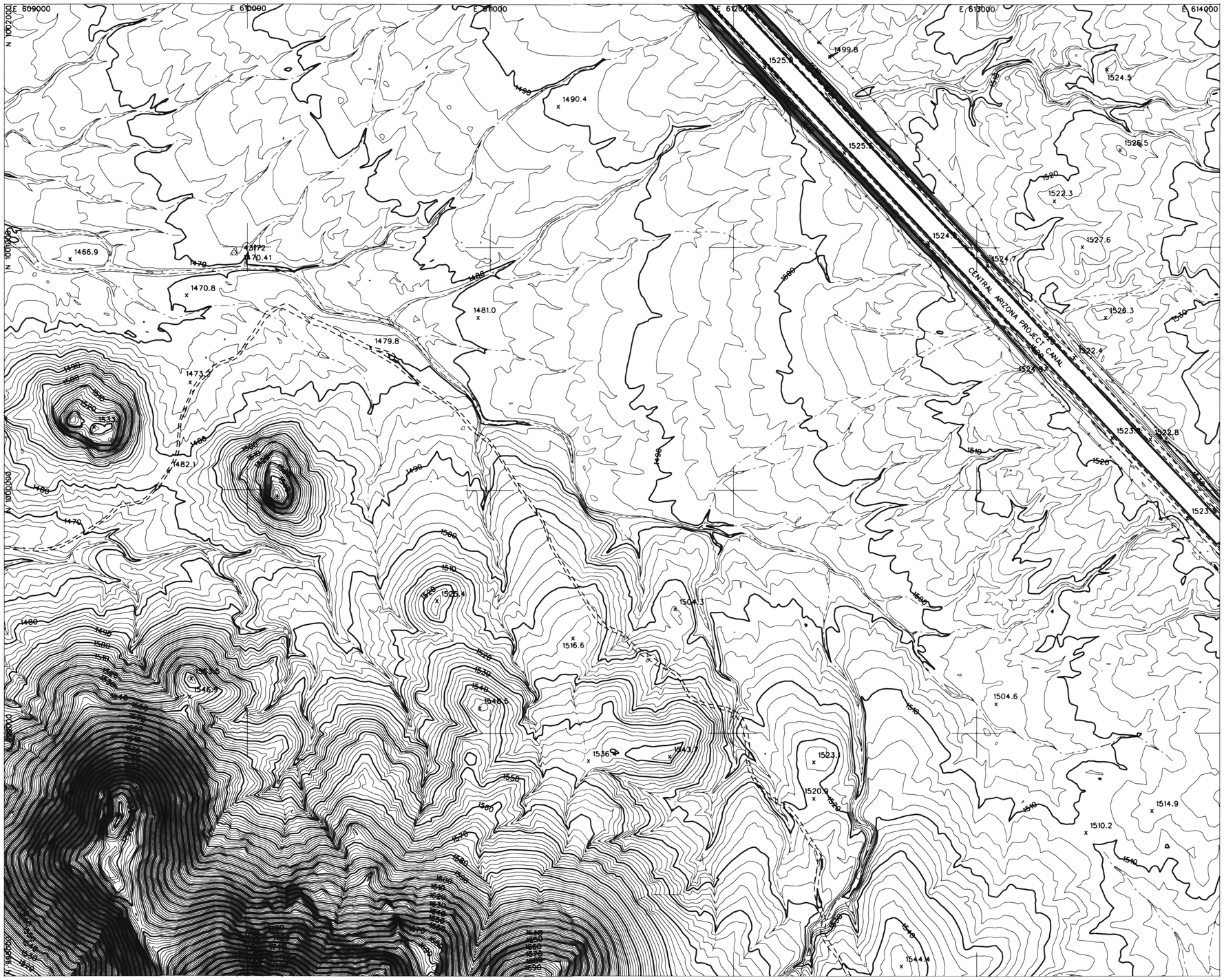
SHEET 62 OF 69

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.

T5N, R1E



LEGEND

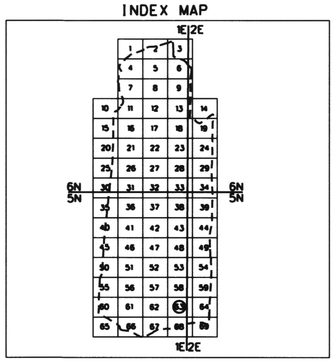
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43172	609945.071	1000975.776	1470.41

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

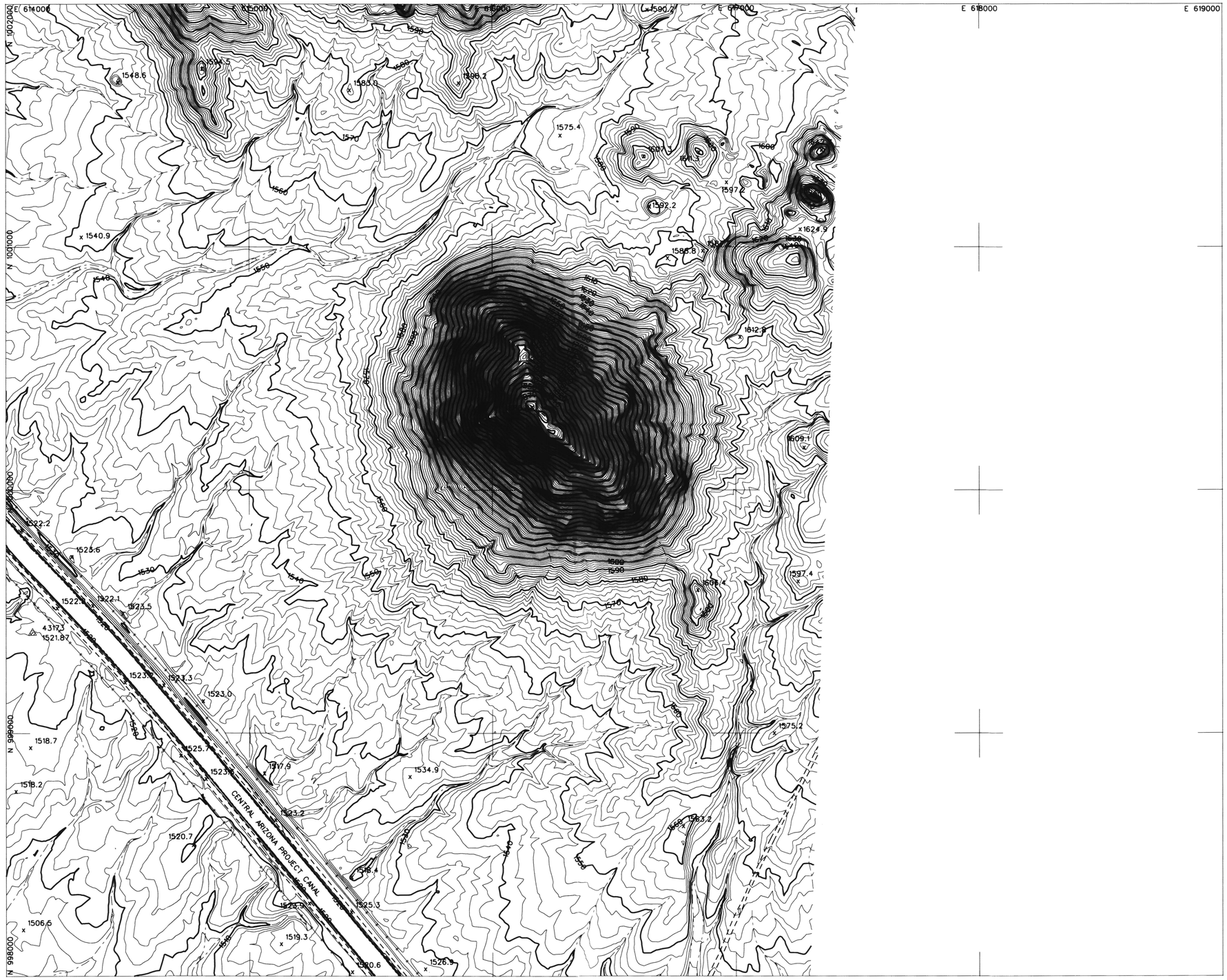
SHEET 63 OF 69

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.

T5N, R1E
T5N, R2E



LEGEND

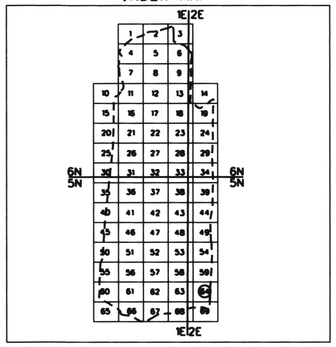
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43173	614108.702	999413.664	1521.87

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 64 OF 69

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.

T5N. R1E
T5N. R2E

AERIAL CONTROL POINTS	
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	
BUILDINGS	
CULVERTS	
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43176	596313.588	994117.401	1404.39

INDEX MAP

200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR CERTIFICATE NO. 26401 LEE HARBERS Signed 2.23.0 ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

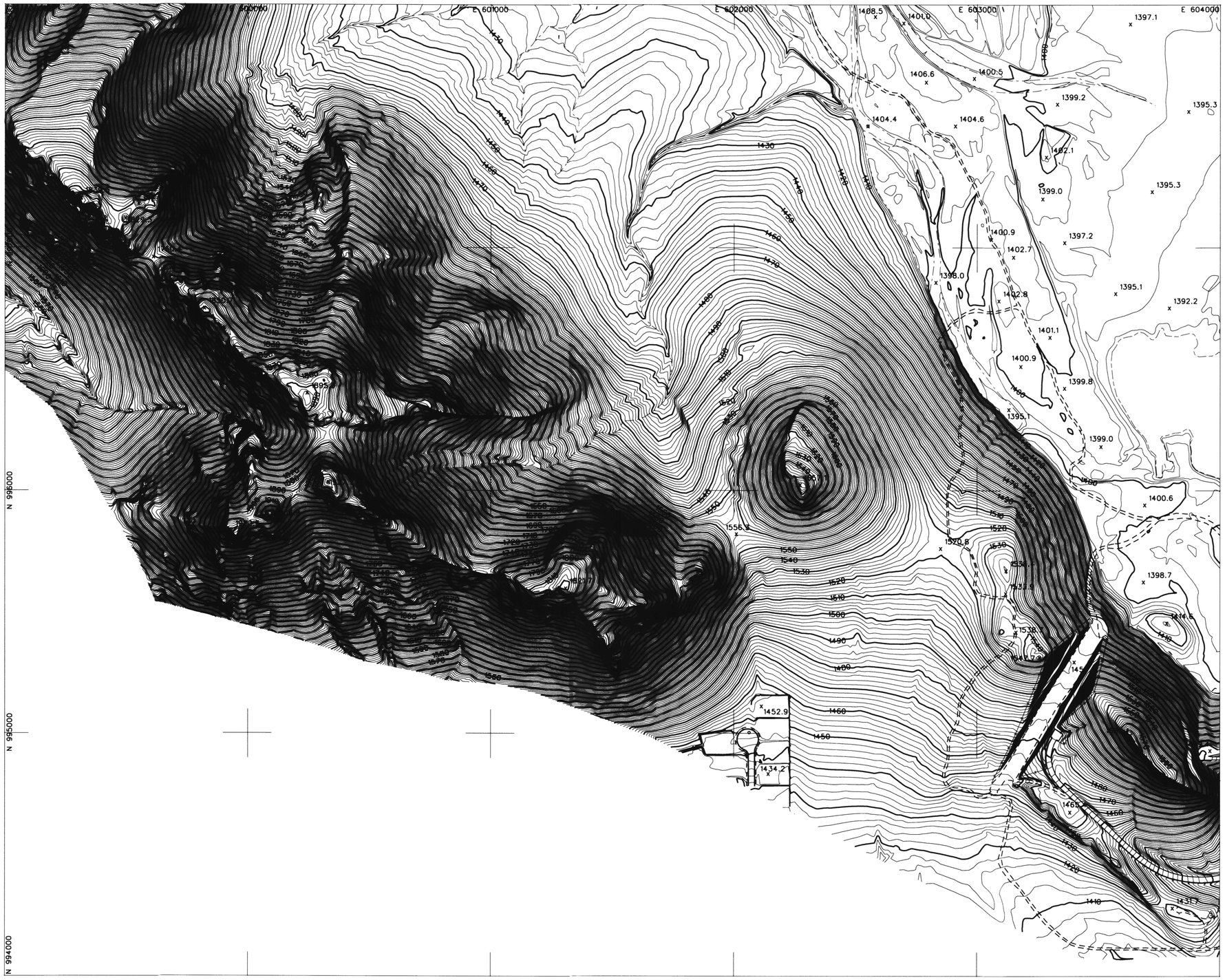
SHEET 65 OF 69

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.

T5N, R1E



LEGEND

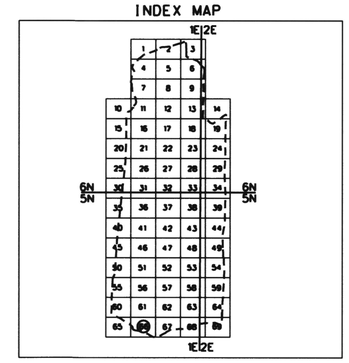
AERIAL CONTROL POINTS	△
PAVED ROADS	═══
DIRT ROADS	- - - -
BRIDGE	═══
UTILITY POLES	•
WASH	≈≈≈
FENCE	———
POND	⌒
CANAL	═══
TRANSMISSION TOWERS	×
BUILDINGS	□
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	1502
SPOT ELEVATION	x

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43177	600251.332	994214.132	1435.67
43178	603963.764	994250.760	1428.96

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

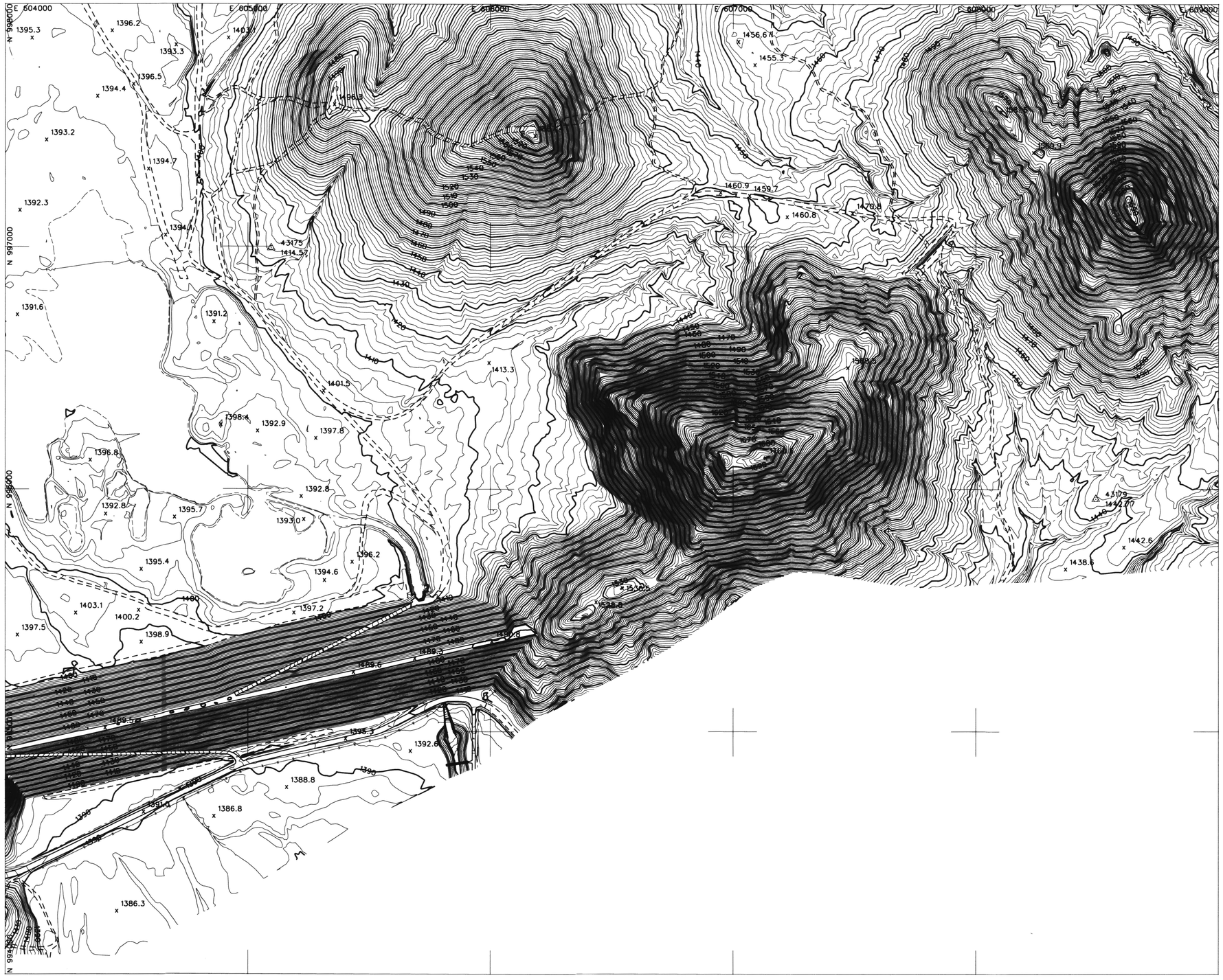
SHEET 66 OF 69

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.

T5N. R1E



LEGEND

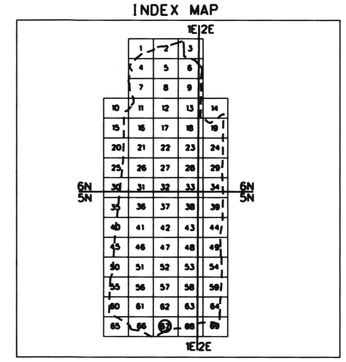
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR (1500)
- INTERMEDIATE CONTOUR
- SPOT ELEVATION (x 1502)

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43175	605096.018	996993.593	1414.57
43179	608494.320	995959.53	1442.77

INDEX MAP



200 0′ 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 38401 — LEE M. ROBBINS — ARIZONA U.S.A.

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

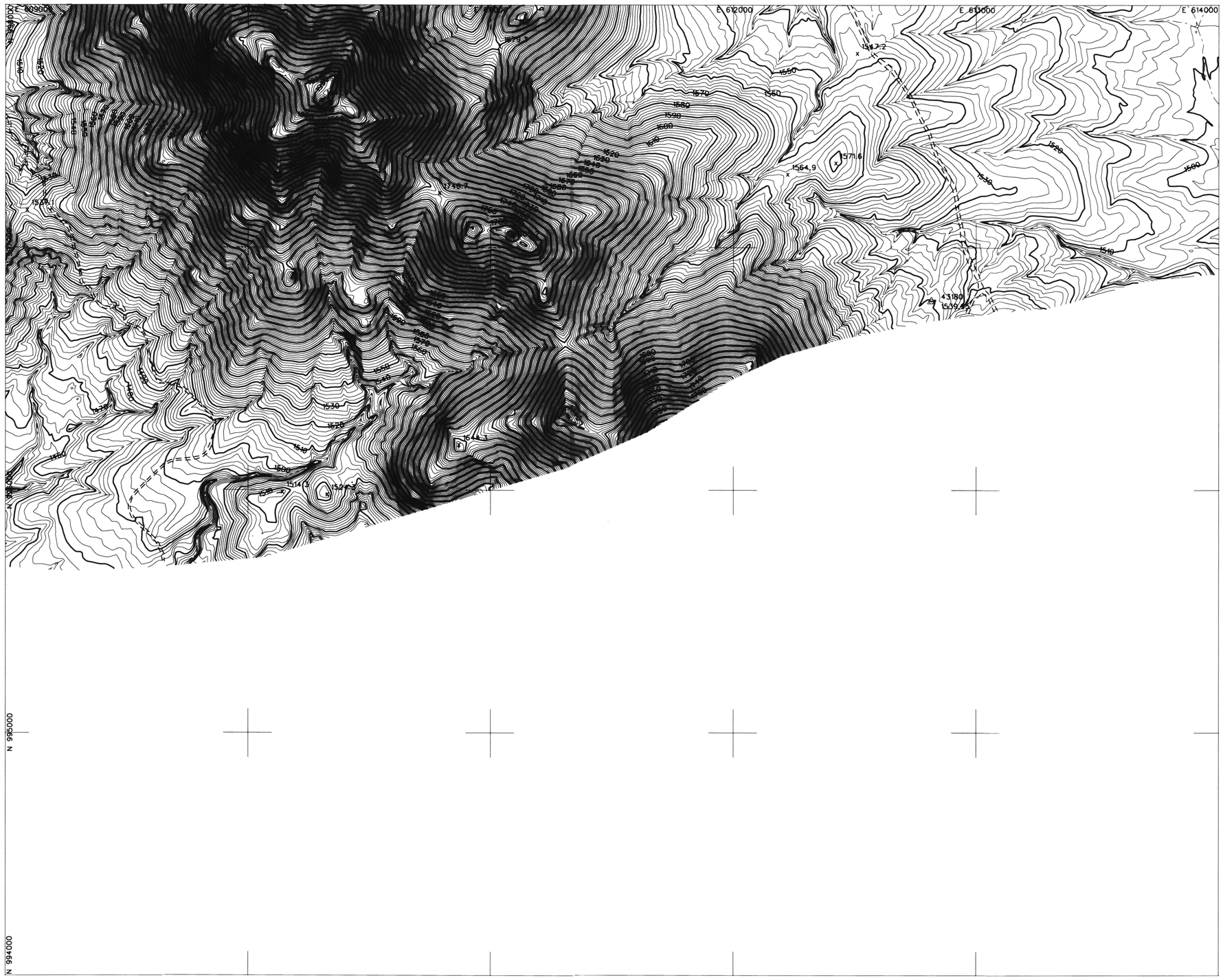
SHEET 67 OF 69

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.

T5N, R1E



LEGEND

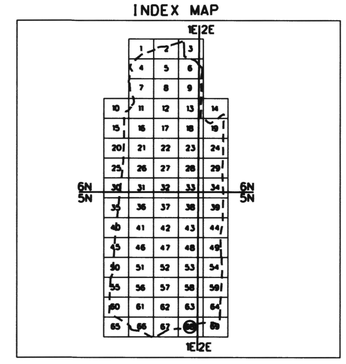
AERIAL CONTROL POINTS	△
PAVED ROADS	
DIRT ROADS	
BRIDGE	
UTILITY POLES	•
WASH	
FENCE	
POND	
CANAL	
TRANSMISSION TOWERS	×
BUILDINGS	
CULVERTS	⊐ ⊏
INDEX CONTOUR	1500
INTERMEDIATE CONTOUR	
SPOT ELEVATION	x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET. ELEVATIONS ARE BASED ON NAVD88 (ODACS CONTROL) CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43180	612815.793	996778.972	1539.95

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

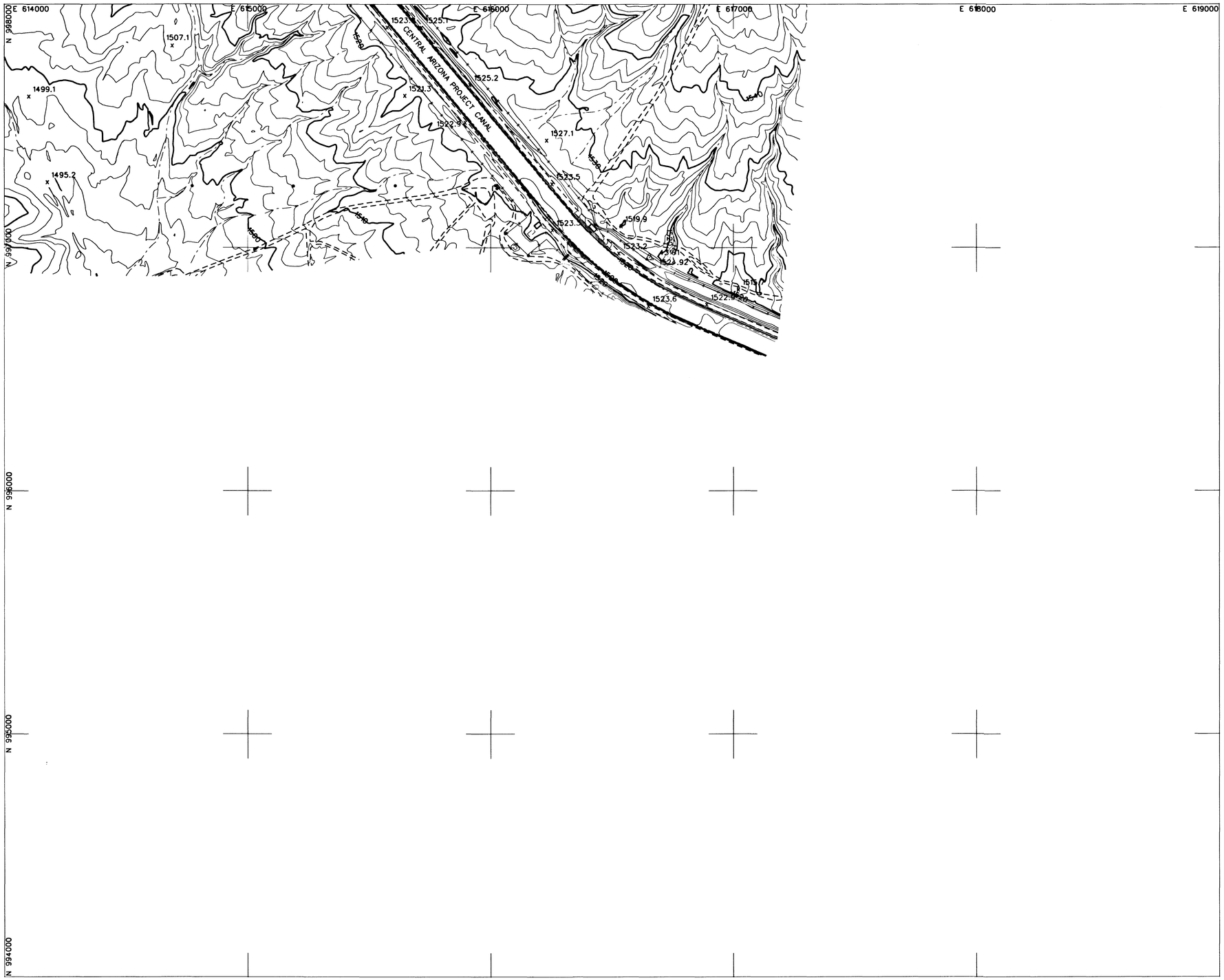
SHEET 68 OF 69

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.

T5N, R1E
T5N, R2E



LEGEND

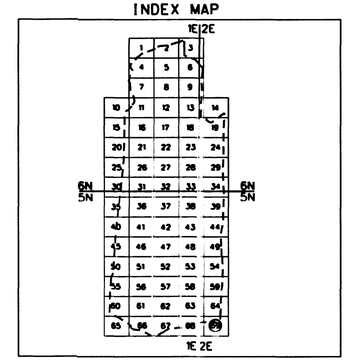
- AERIAL CONTROL POINTS
- PAVED ROADS
- DIRT ROADS
- BRIDGE
- UTILITY POLES
- WASH
- FENCE
- POND
- CANAL
- TRANSMISSION TOWERS
- BUILDINGS
- CULVERTS
- INDEX CONTOUR 1500
- INTERMEDIATE CONTOUR
- SPOT ELEVATION x1502

NOTE: COORDINATES ARE NAD83, ARIZONA STATE PLANE, CENTRAL ZONE, INTERNATIONAL FEET.
ELEVATIONS ARE BASED ON NAVD88 (GDACS CONTROL)
CONVERSION FACTOR NAVD88 TO NGVD29 = ±1.907

PHOTOGRAMMETRIC CONTROL POINTS

POINT #	X	Y	Z
43181	616654.563	996959.556	1524.92

INDEX MAP



200 0' 200 400

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATES: 4-10-2003

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

UPPER NEW RIVER MAPPING

CONTRACT NO. FCD 2001C051

REGISTERED LAND SURVEYOR 29407 LEE HARBERS 4-22-03 ARIZONA U.S.A.

DTM INC.
4400 EAST BROADWAY BLVD.
SUITE 508
TUCSON, AZ. 85711

	BY	DATE
DESIGN		
DESIGN CHK.		
PLANS		
PLANS CHK.		

SHEET 69 OF 69

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.

T5N, R1E
T5N, R2E