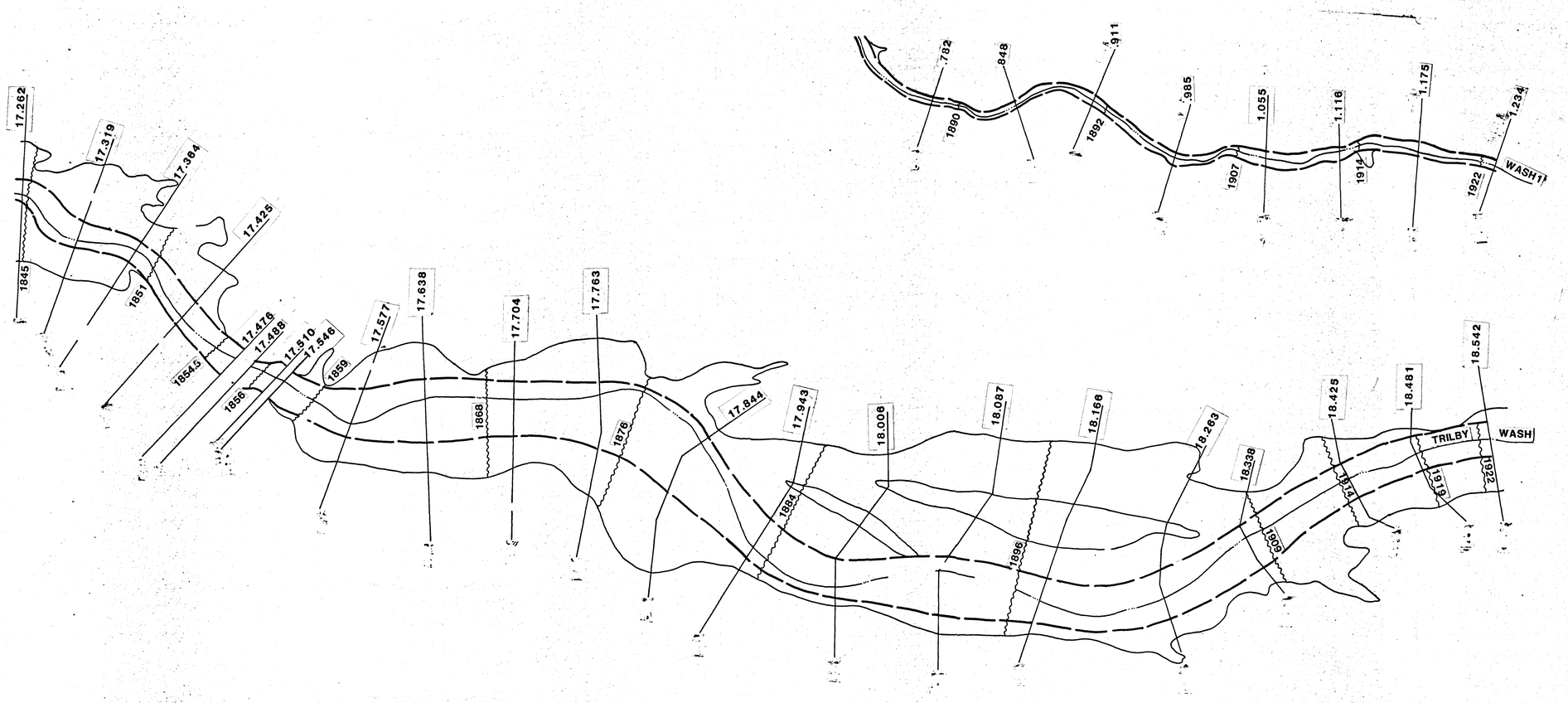


CENTRAL FILES
306

LEGEND

100-YEAR FLOODWAY

100-YEAR FLOODPLAIN

STATIONS (FT) 1000

CENTERLINE

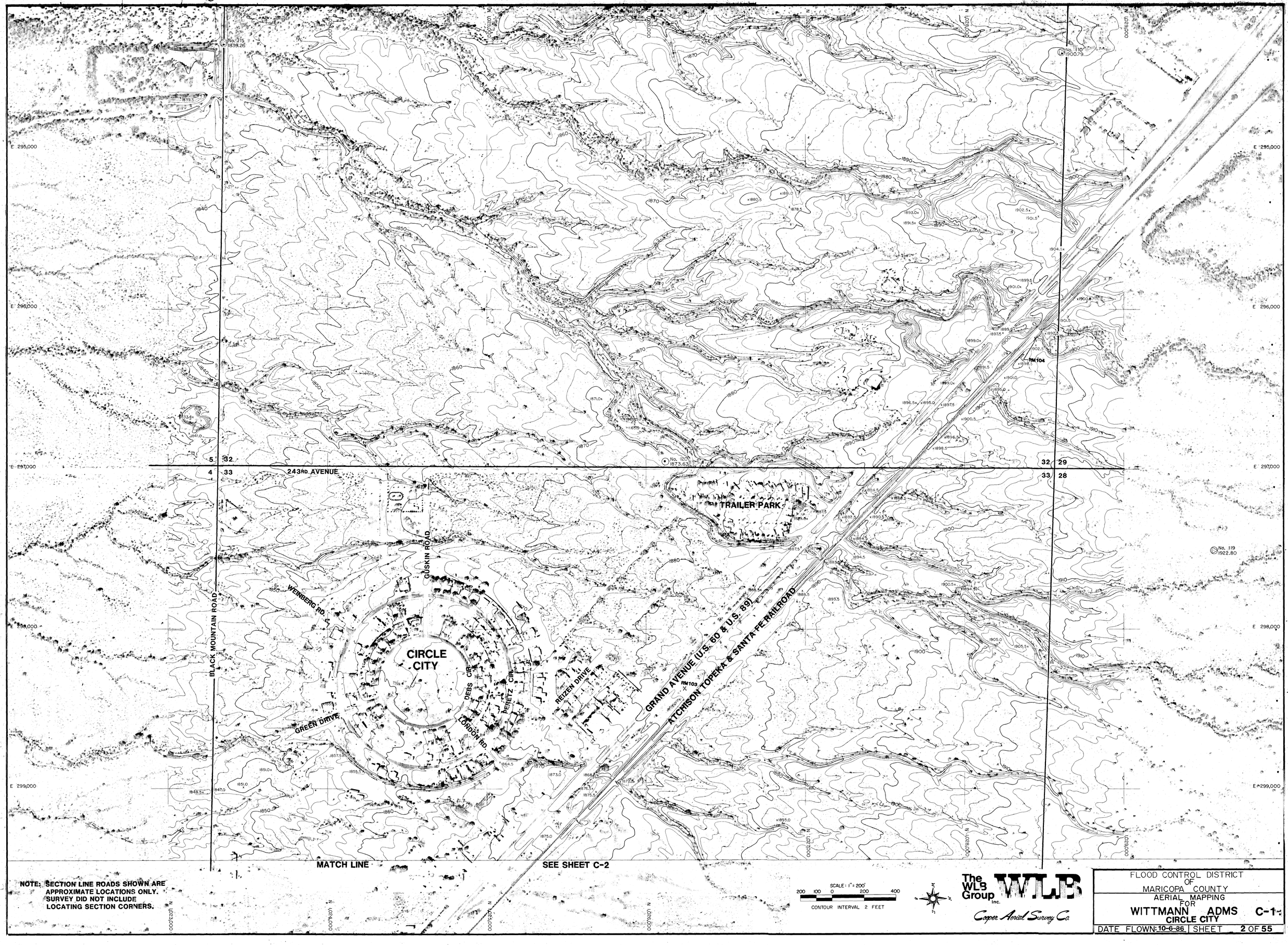
ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP

WITTMANN ADMS

WLB GROUP

STUDY 1989 FCD 86-24



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

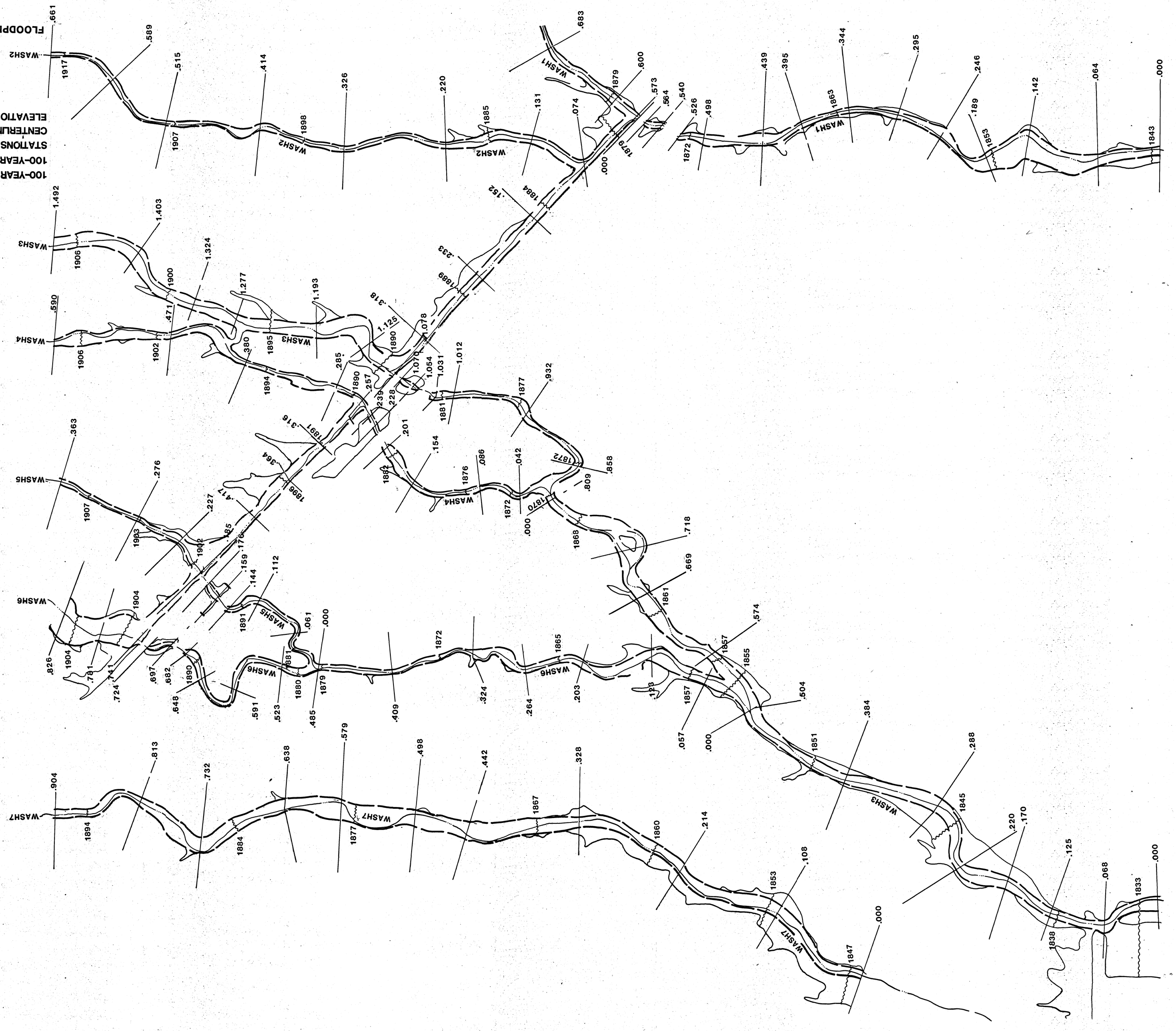
AERIAL MAPPING FOR WITTMANN ADMS CIRCLE CITY C-1

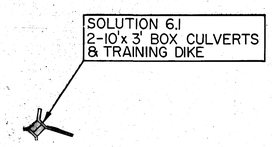
DATE FLOWN: 10-6-86 | SHEET 2 OF 55

FLOODPLAIN/FLOODWAY MAP

LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10




SOLUTION 6.1
2-10'x 3' BOX CULVERTS
& TRAINING DIKE

MATCH LINE

SEE SHEET C-1

TRILBY WASH

BLACK MOUNTAIN ROAD

GRAND AVENUE (U.S. 60 & U.S. 89)

ATCHISON TOPEKA & SANTA FE RAILROAD

235TH AVE. (EXTENDED)

RM101

RM102

No. 114
1848.03

No. 122
1882.81

No. 123
1865.27

No. 121
1917.31

E 300,000
E 301,000
E 302,000
E 303,000
E 304,000
E 305,000

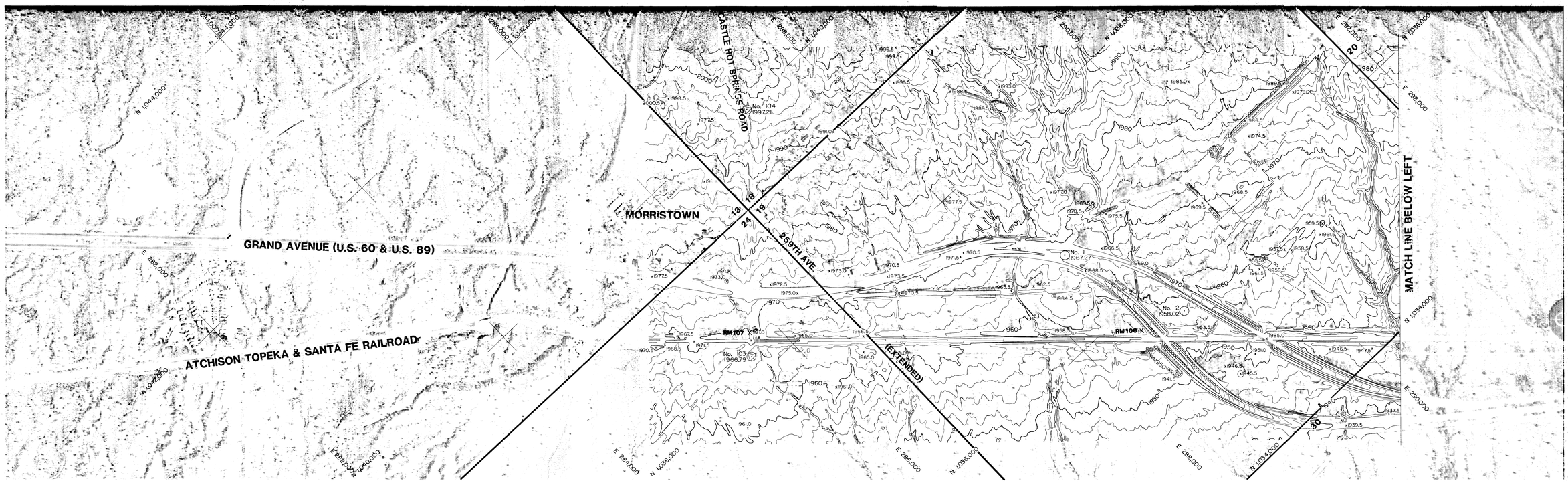
N 1023,000
N 1024,000
N 1025,000
N 1026,000
N 1027,000

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

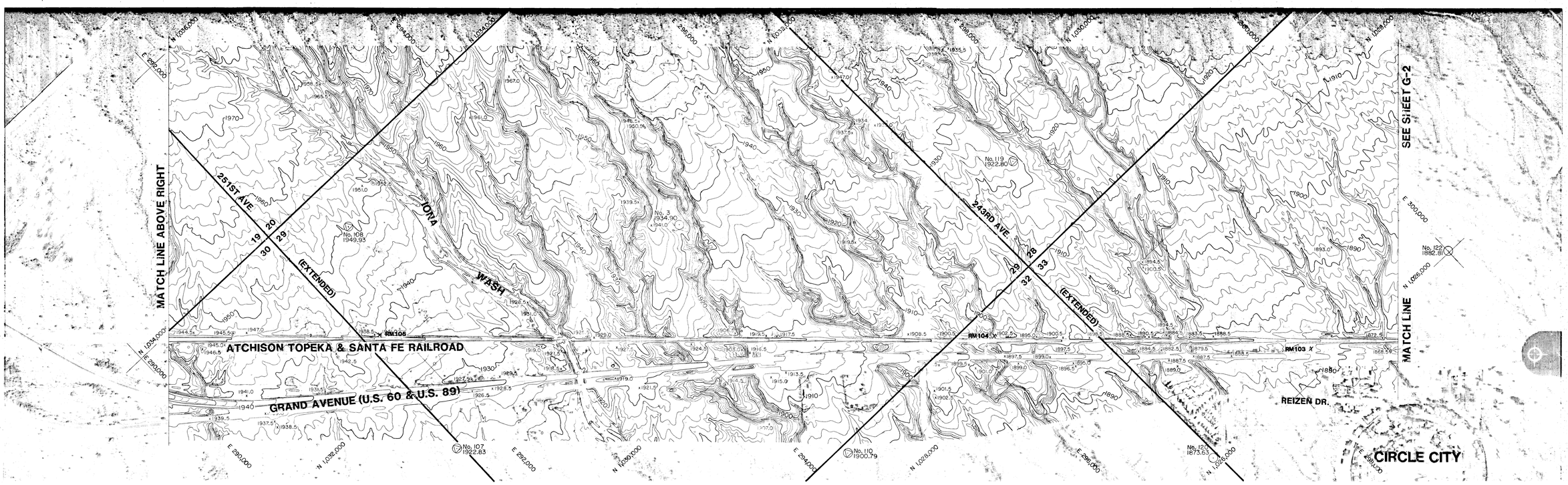
SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS C-2
CIRCLE CITY
DATE FLOWN: 10-6-86 | SHEET 3 OF 55



SEGMENT 1



SEGMENT 2

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	SEGMENT 8
		CIRCLE CITY	WITTMANN		GILA	GRAND AVENUE (U.S.60 & U.S. 89)	
SHEET G-1		SHEET G-2		SHEET G-3		SHEET G-4	

MCMICKEN DAM & OUTLET CHANNEL

GRAND AVENUE KEY MAP

SCALE: 1" = 400'
400' 200' 0 400' 800'
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

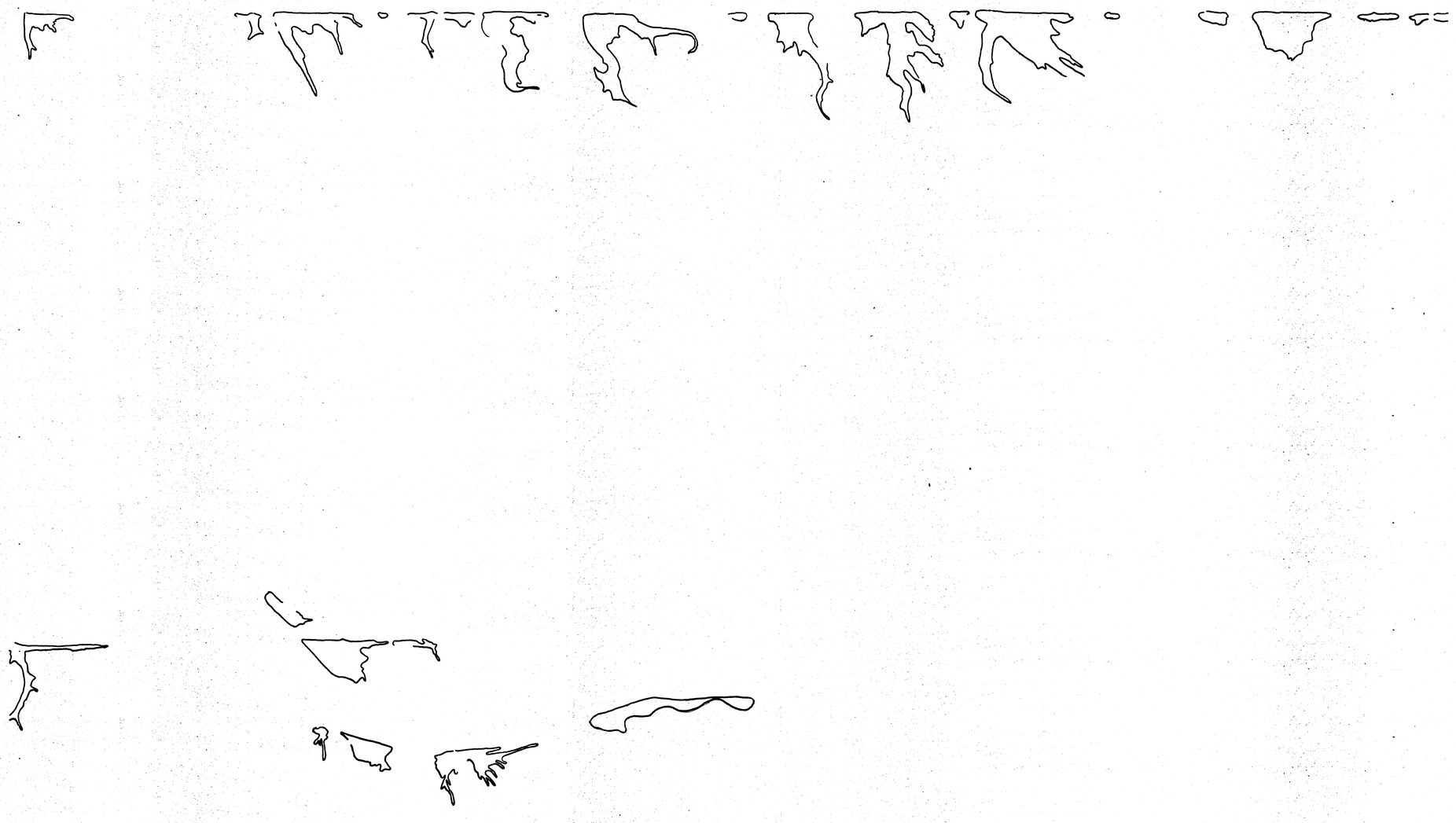
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS G-1
GRAND AVENUE
DATE FLOWN: 10-6-86 | SHEET 4 OF 55

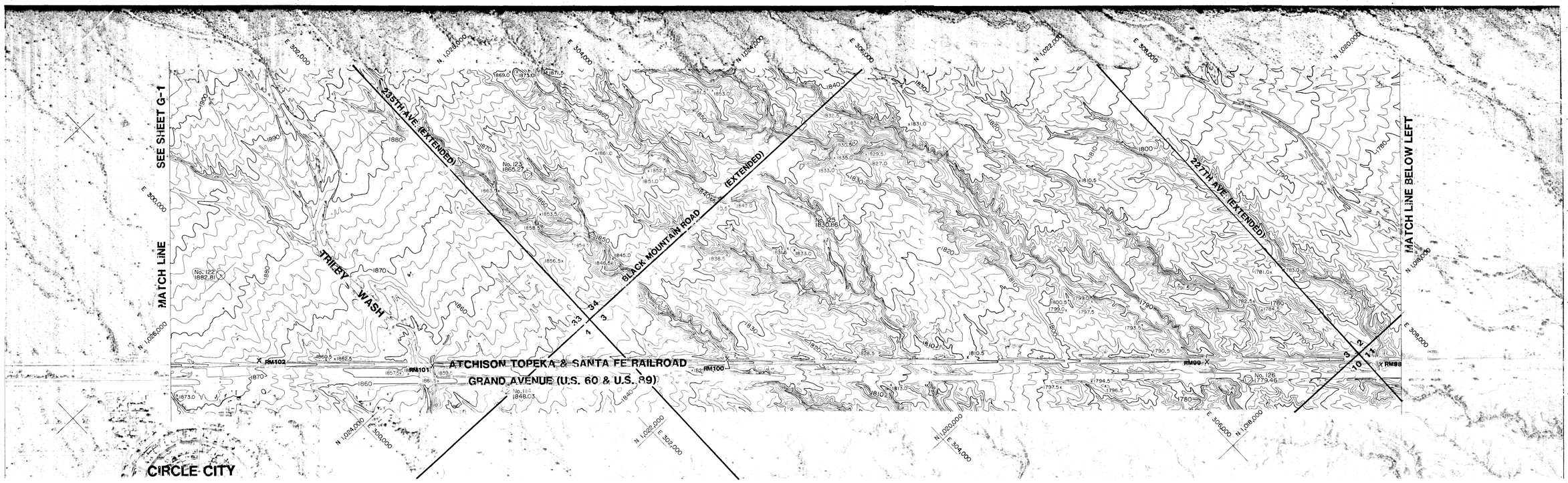
FLOODPLAIN MAP

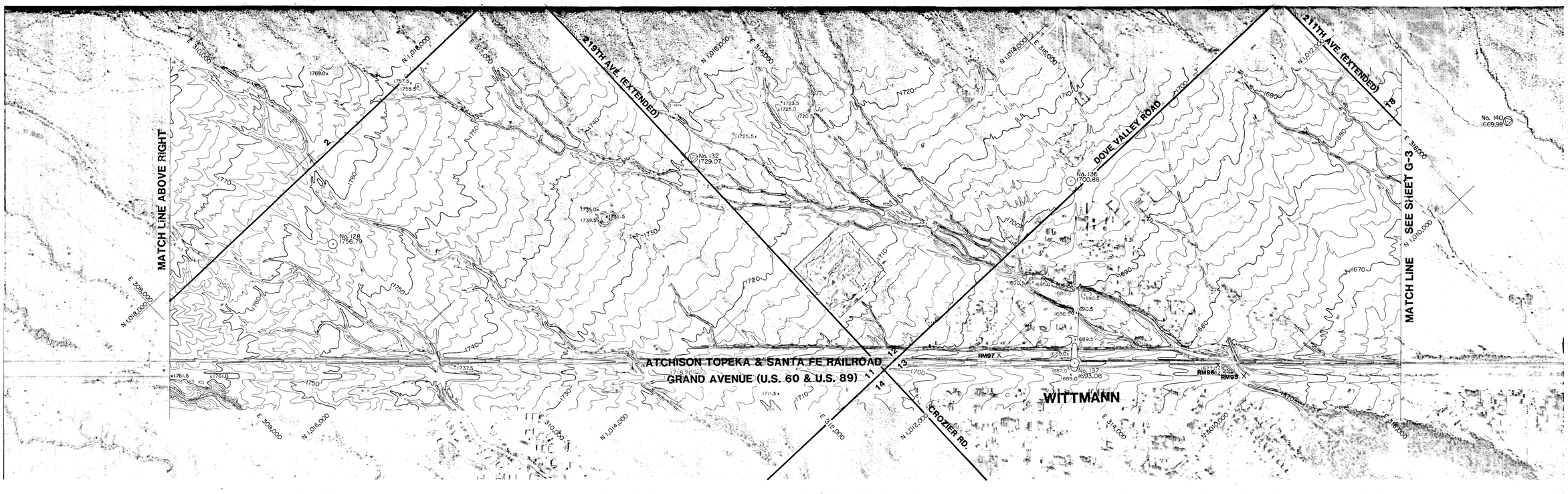
LEGEND

100-YEAR PONDING LIMIT

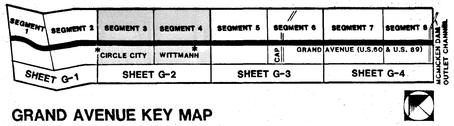
ELEVATION REFERENCE MARK RM10







NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

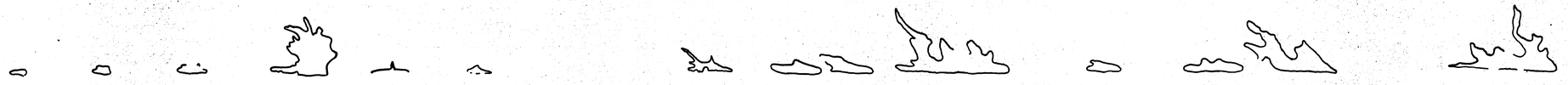


GRAND AVENUE KEY MAP

SCALE: 1"=400'
400' 200' 0' 400' 800'
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR WITTMANN ADMS G-2
GRAND AVENUE
DATE FLOWN: 10-6-86 | SHEET 5 OF 55



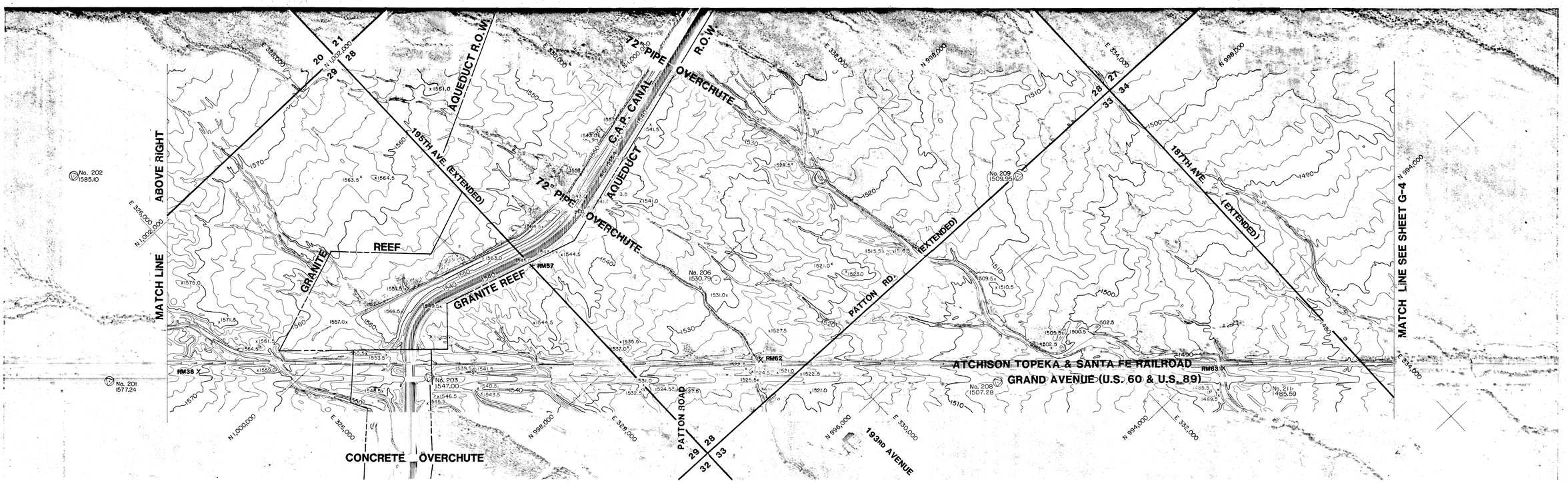
LEGEND

100-YEAR PONDING LIMIT ————

ELEVATION REFERENCE MARK RM10

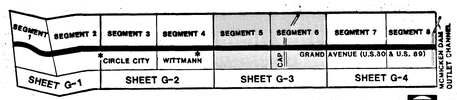
FLOODPLAIN MAP

SEGMENT 5



SEGMENT 6

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

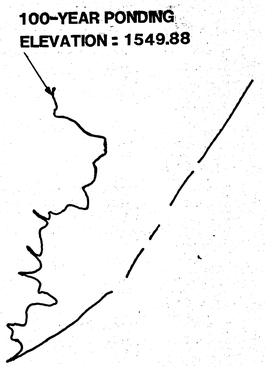


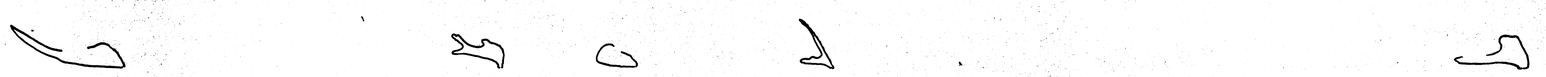
GRAND AVENUE KEY MAP

SCALE: 1" = 400'
400' 200' 0' 400' 800'
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS G-3
GRAND AVENUE
DATE FLOWN: 10-6-86 | SHEET 6 OF 55



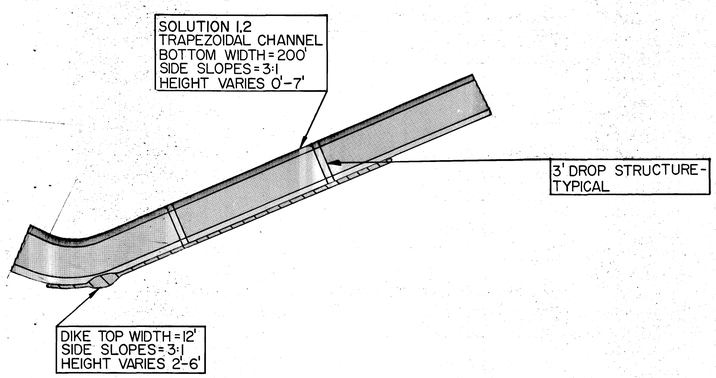


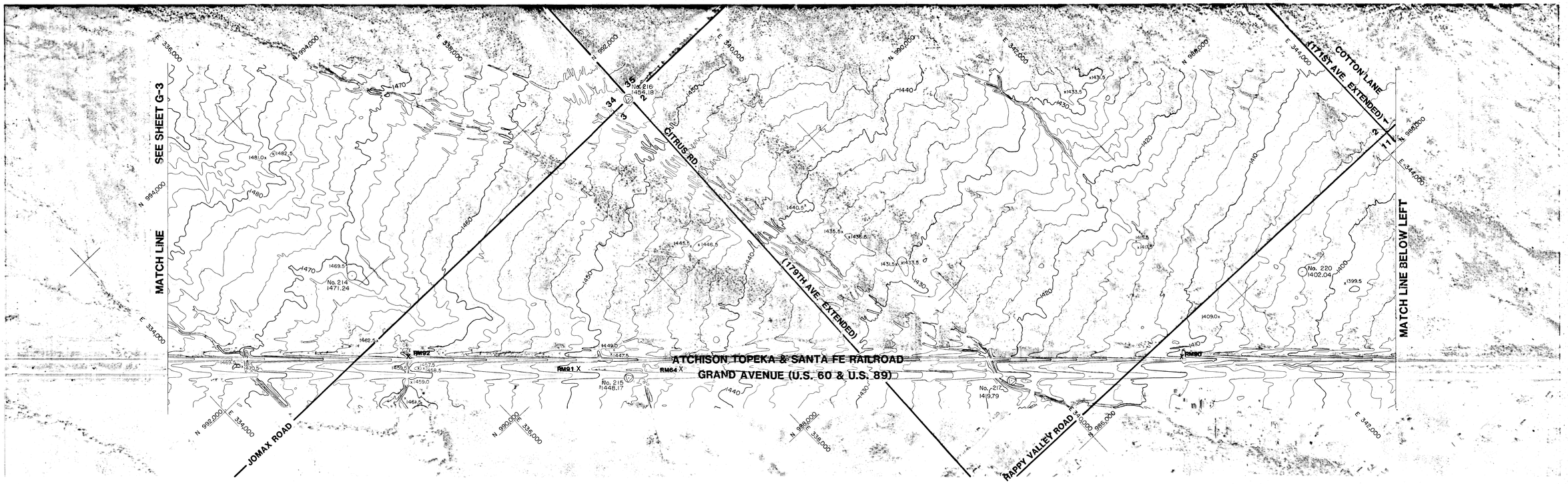
LEGEND

100-YEAR PONDING LIMIT ————

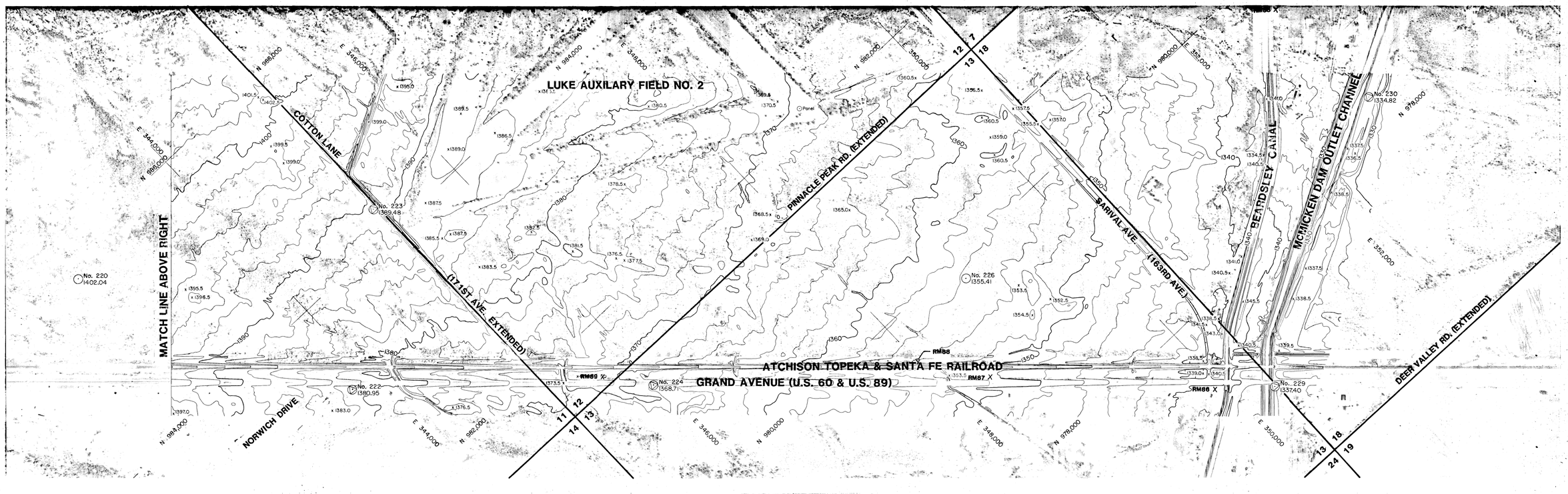
ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP


SOLUTION 1,2
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 200'
SIDE SLOPES = 3:1
HEIGHT VARIES 0'-7'
3' DROP STRUCTURE-
TYPICAL
DIKE TOP WIDTH = 12'
SIDE SLOPES = 3:1
HEIGHT VARIES 2'-6'

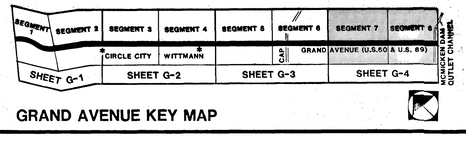


SEGMENT 7



SEGMENT 8

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

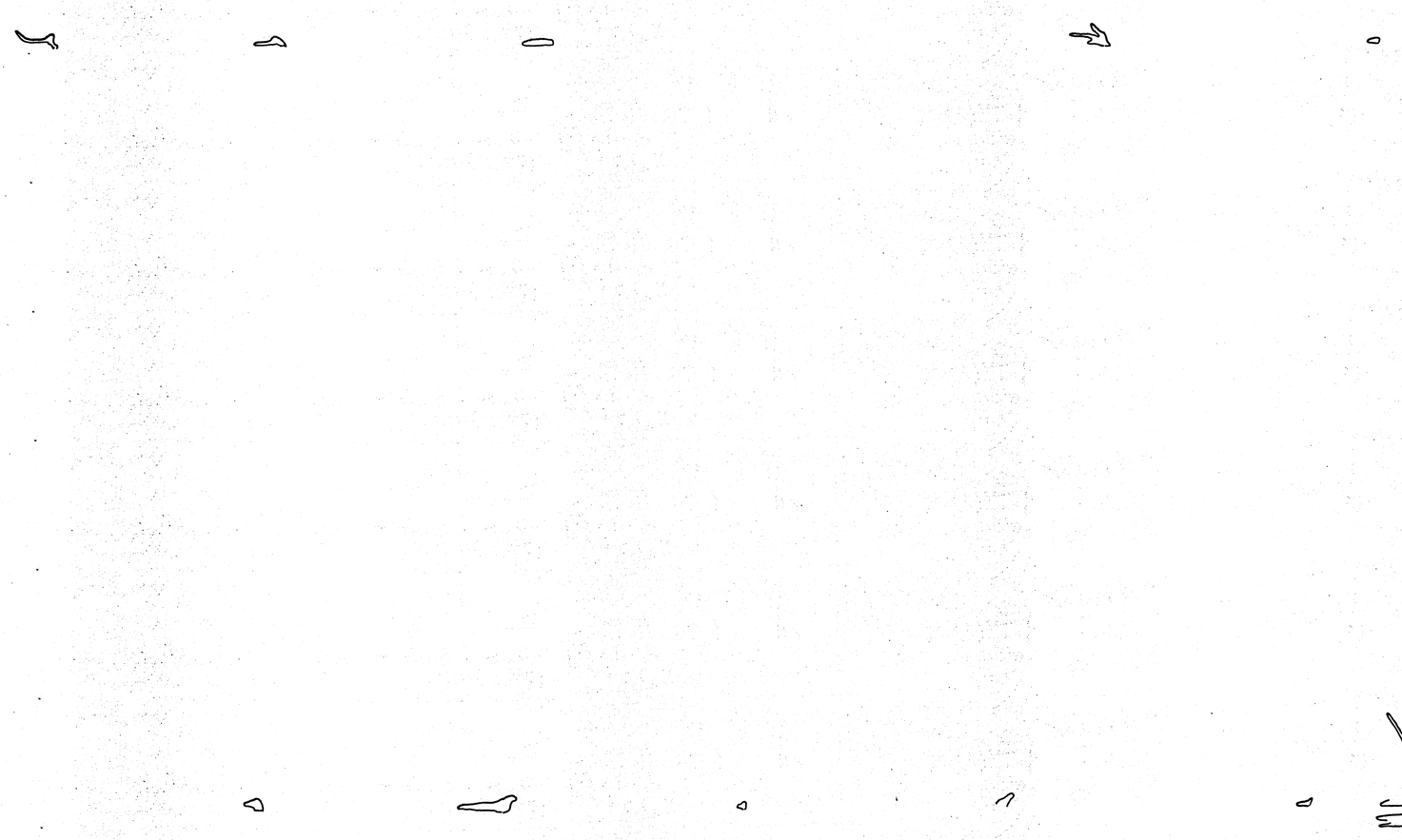


GRAND AVENUE KEY MAP

SCALE: 1" = 400'
400' 200' 0 400' 800'
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS G-4
GRAND AVENUE
DATE FLOWN: 10-6-86 | SHEET 7 OF 55



LEGEND
100-YEAR PONDING LIMIT ———
ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

McMICKEN DAM OUTLET CHANNEL

OVERHEAD TRANSMISSION LINE

McMICKEN DAM OUTLET WASH

SEE SHEET M-2

MATCH LINE

PINNACLE PEAK RD. (EXTENDED)

EL MIRAGE RD. (EXTENDED)

HAPPY VALLEY RD. (EXTENDED)

RM149 PP-1017 1288.17

RM150 PP-1003 1311.92

RM151 PP-1004 1314.21

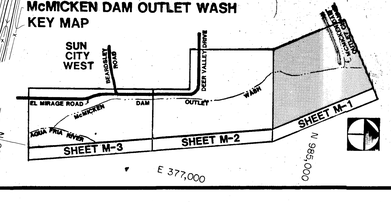
RM147 PP-1024 1306.48

RM148 PP-1016 1289.37

RM148 PP-1015 1323.74

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

McMICKEN DAM OUTLET WASH KEY MAP



SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

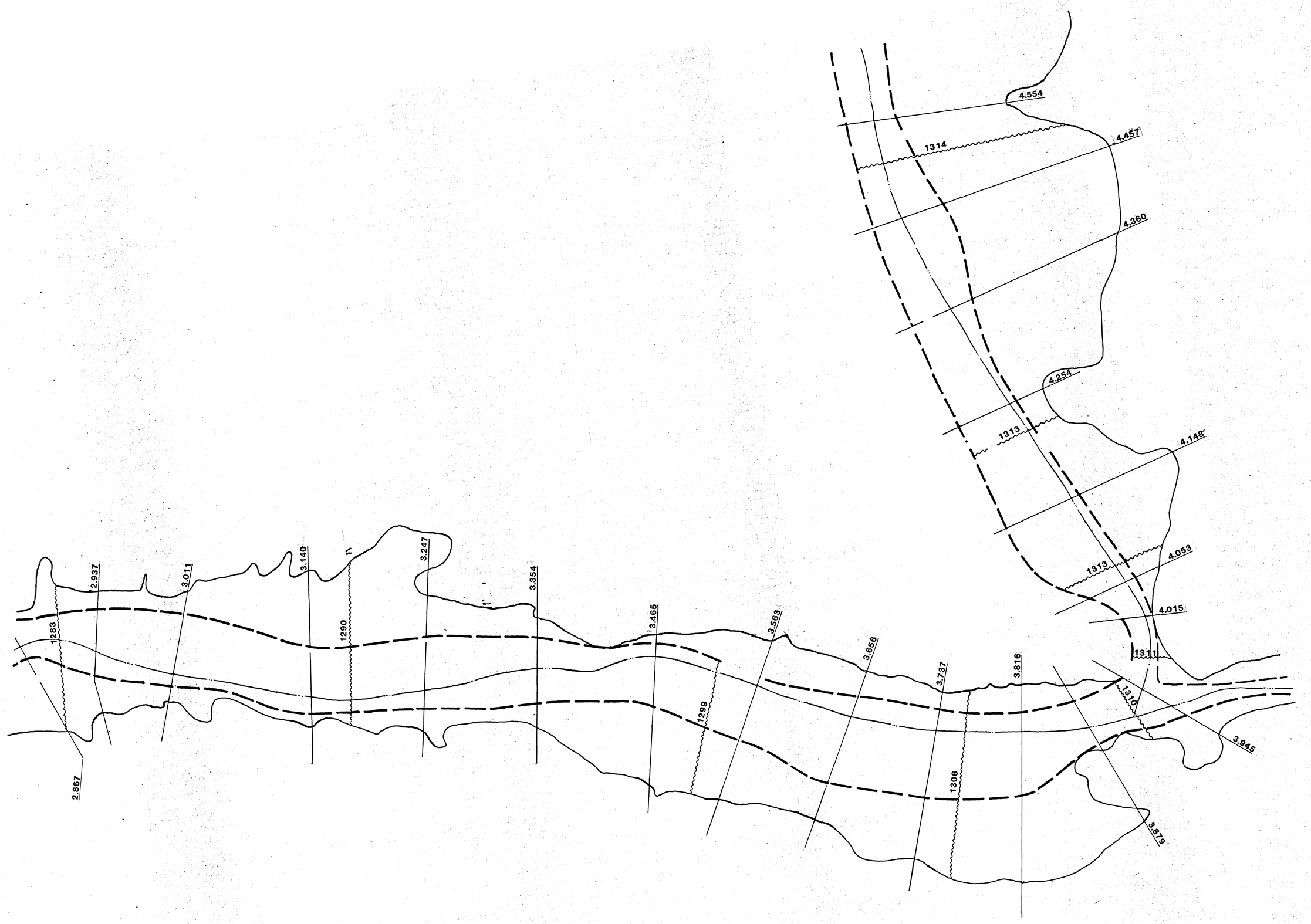
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

McMICKEN DAM OUTLET WASH

M-1

DATE FLOWN: 11-13-86 | SHEET 8 OF 55



LEGEND

100-YEAR FLOODWAY

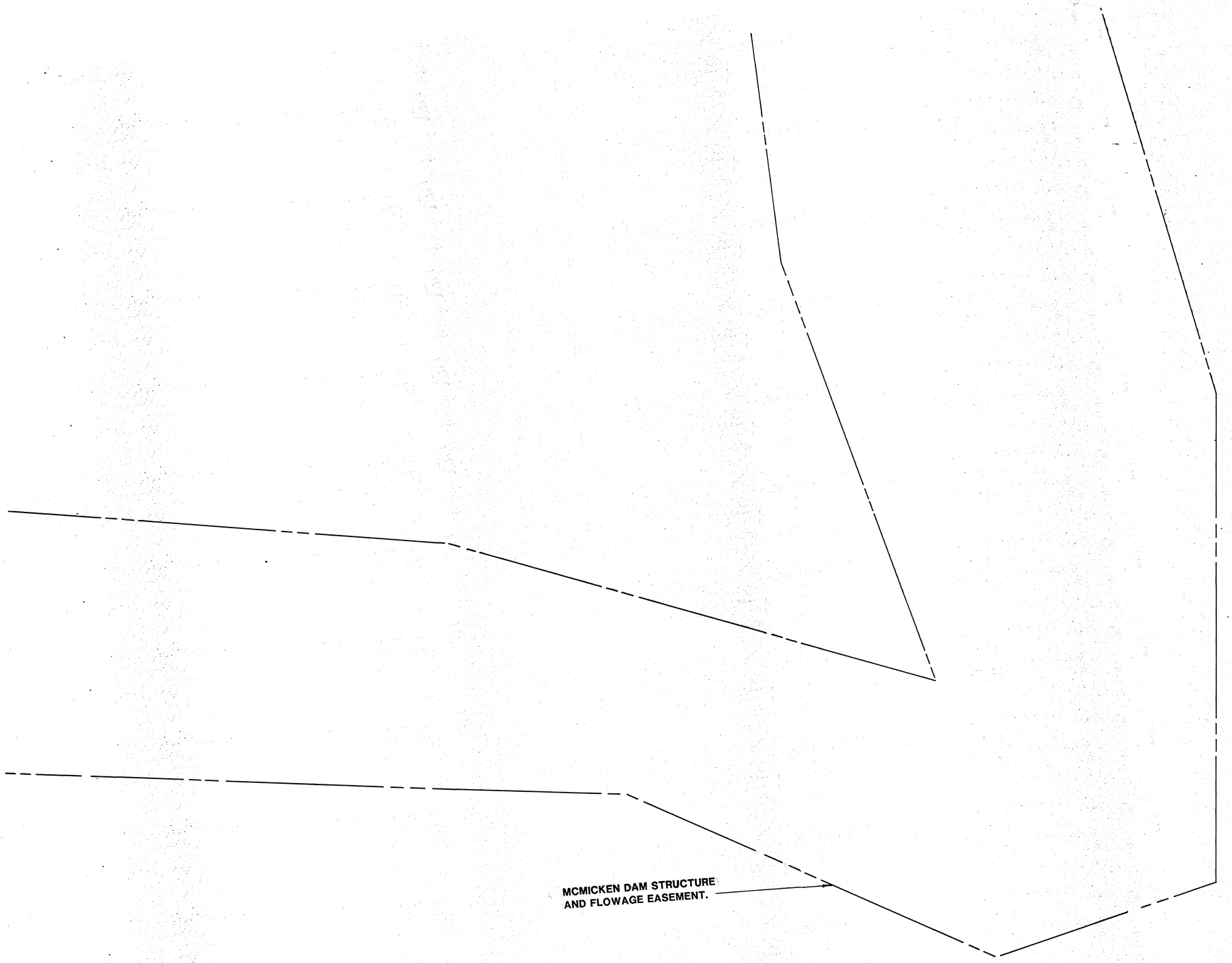
100-YEAR FLOODPLAIN

1000 STATIONS (FT)

CENTERLINE

ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT.

SEE SHEET M-3

MATCH LINE

SEE SHEET M-1

MATCH LINE

SUN CITY WEST

EVENINGSIDE DRIVE

DOVE VALLEY DRIVE

MORNING DOVE DRIVE

DEER

123RD DRIVE

EL MIRAGE ROAD

McMICKEN DAM

WASH

OUTLET

RM156
PP-1019
1258.61

RM157
PP-1019A
1259.69

RM158
PP-1026
1271.98

RM152
PP-1025
1280.29

RM153
PP-1018
1270.45

RM154
PP-1028
1256.92

RM155
PP-1027
1242.91

E 374,000

E 375,000

E 376,000

E 377,000

E 378,000

N 973,000

N 974,000

N 975,000

N 976,000

N 977,000

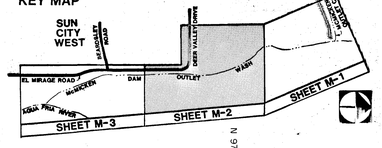
N 978,000

N 979,000

N 980,000

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

McMICKEN DAM OUTLET WASH
KEY MAP



SCALE: 1" = 200'

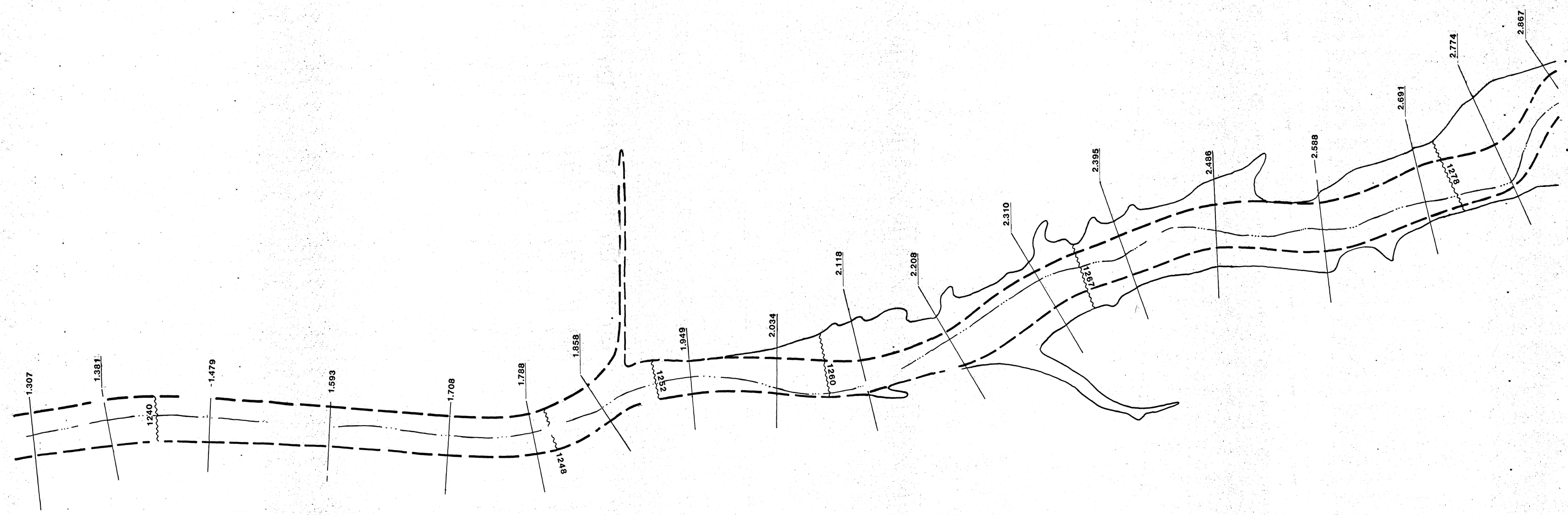
200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

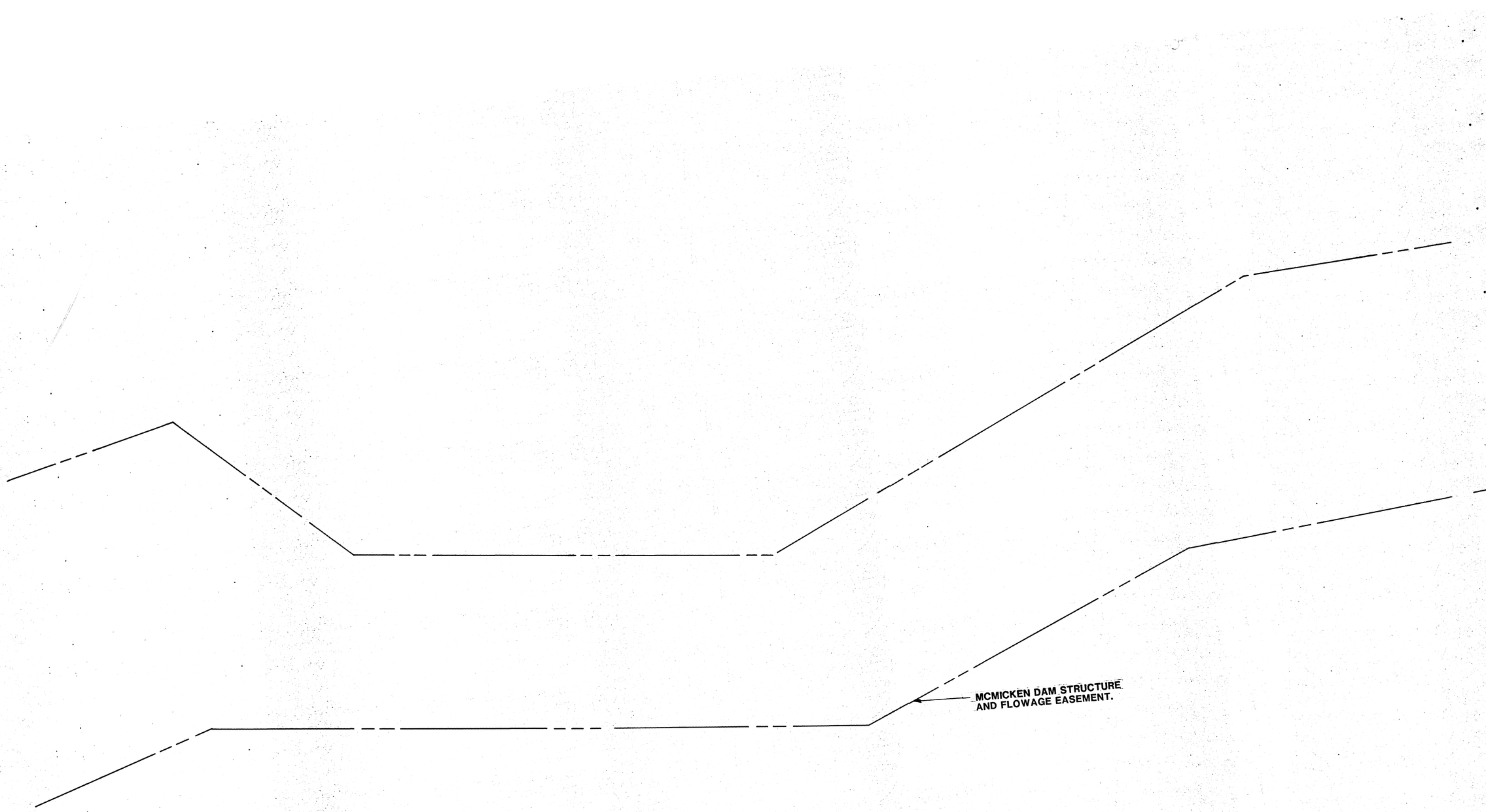
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS M-2
MCMICKEN DAM OUTLET WASH
DATE FLOWN: 11-13-86 SHEET 9 OF 55

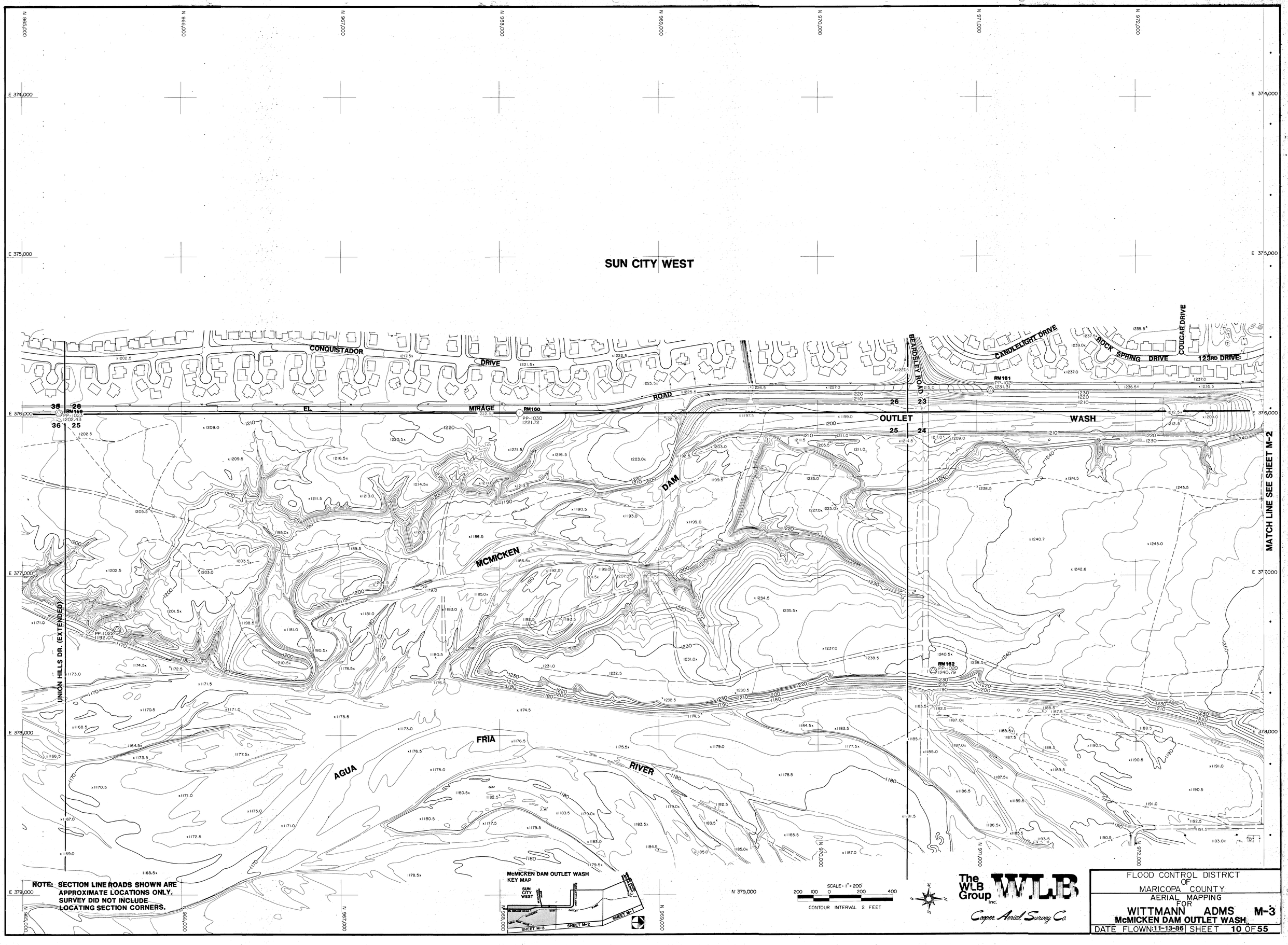


LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	. 1000
CENTERLINE	——·——
ELEVATION REFERENCE MARK RM10	

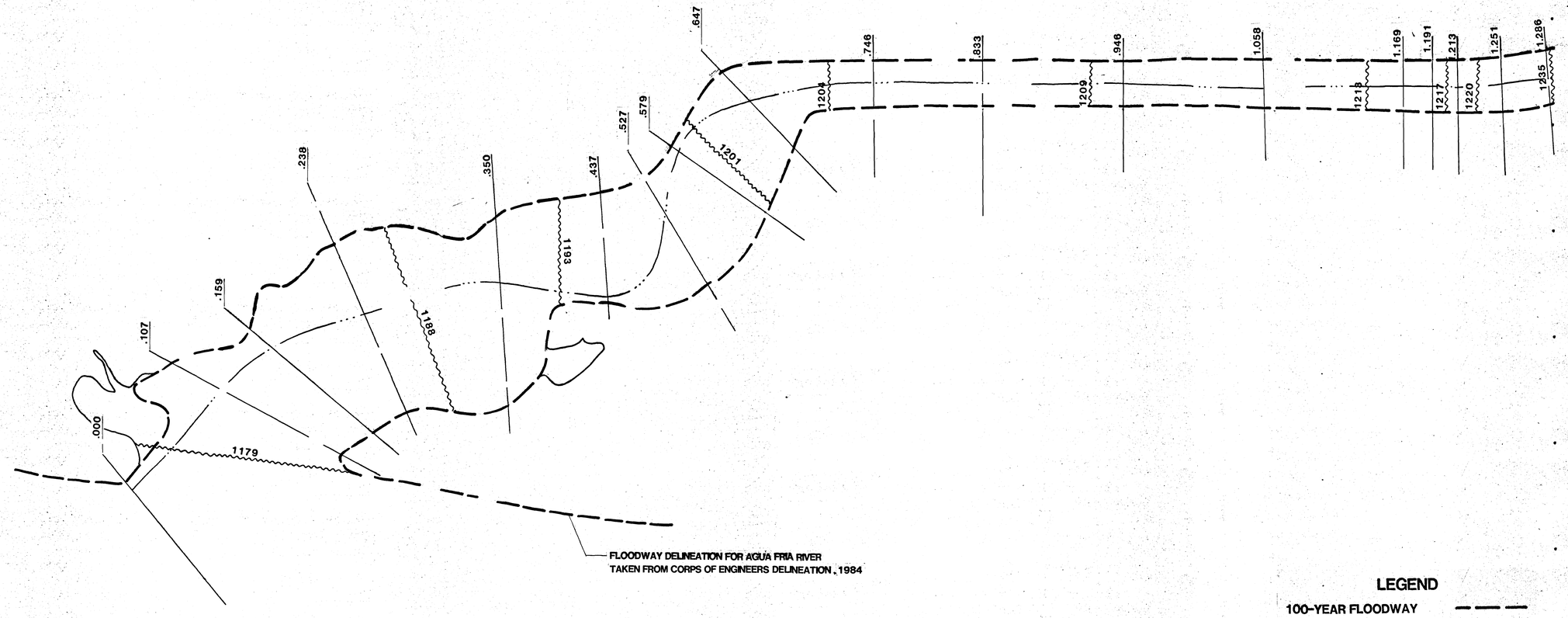
FLOODPLAIN/FLOODWAY MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT.



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS M-3
McMICKEN DAM OUTLET WASH
DATE FLOWN: 11-13-86 SHEET 10 OF 55

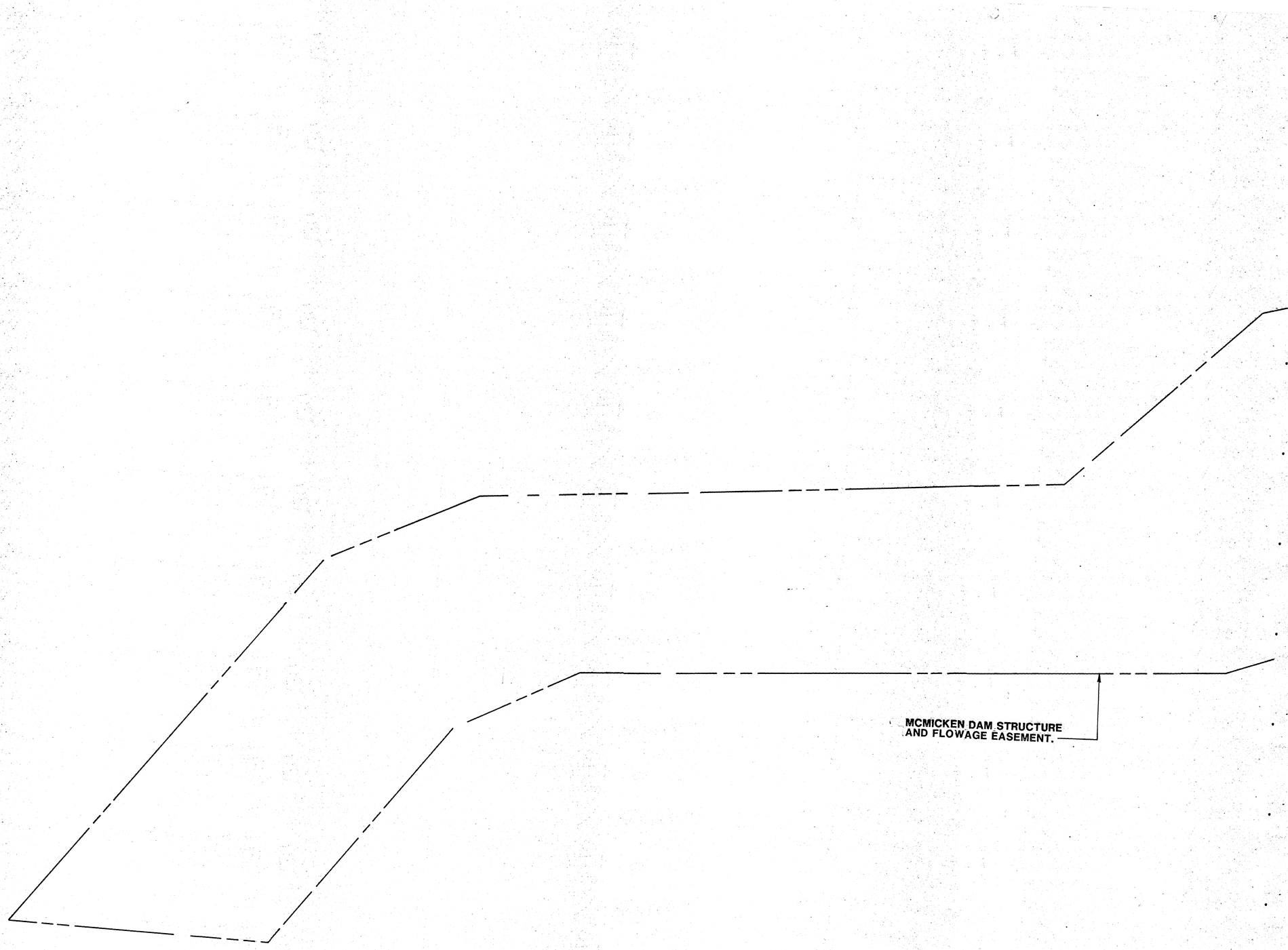


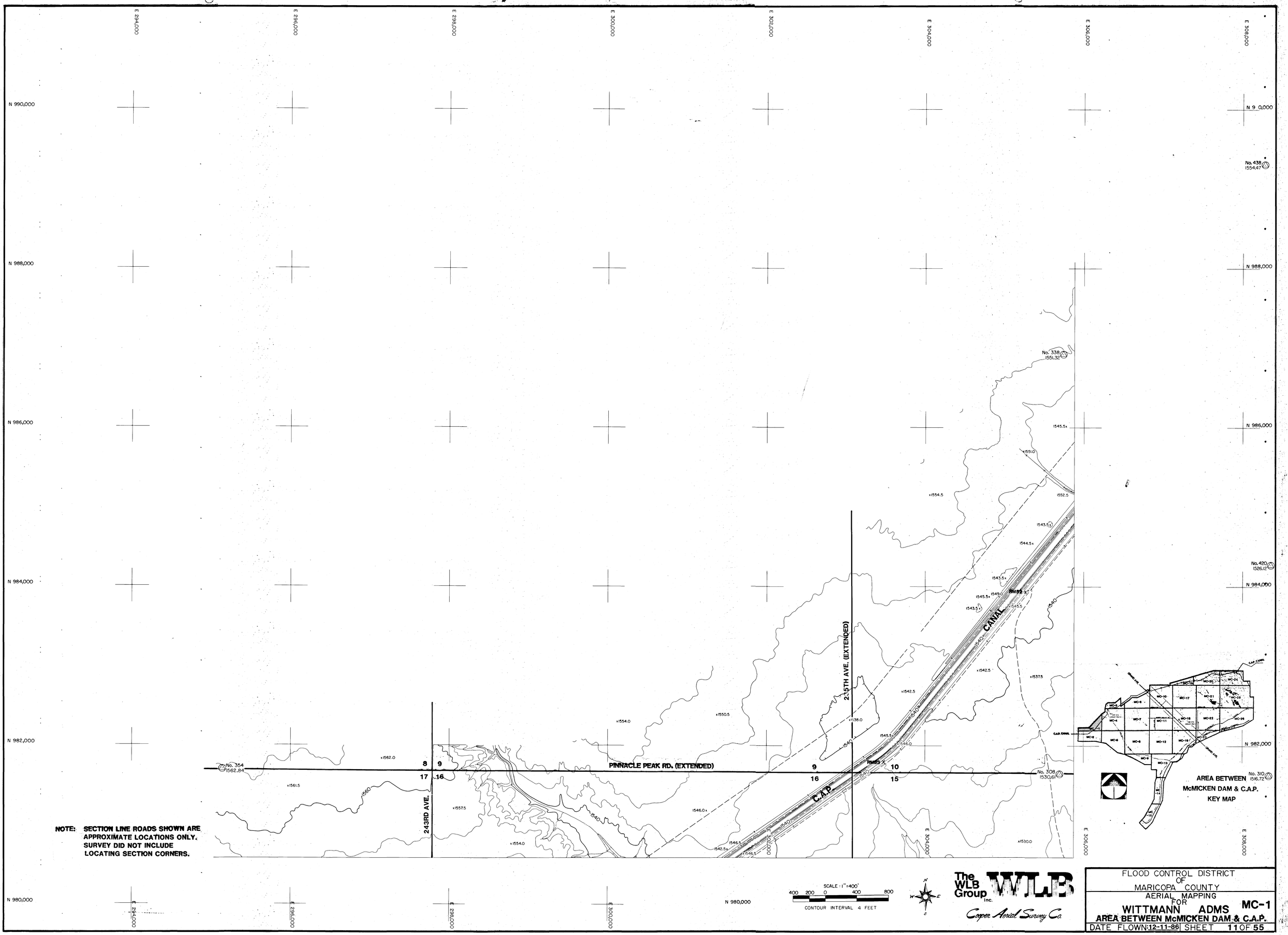
FLOODWAY DELINEATION FOR AGUA FRIA RIVER
TAKEN FROM CORPS OF ENGINEERS DELINEATION, 1984

LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	——···——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN/FLOODWAY MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT.



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

The WLB Group Inc.

Cooper Aerial Survey Co.

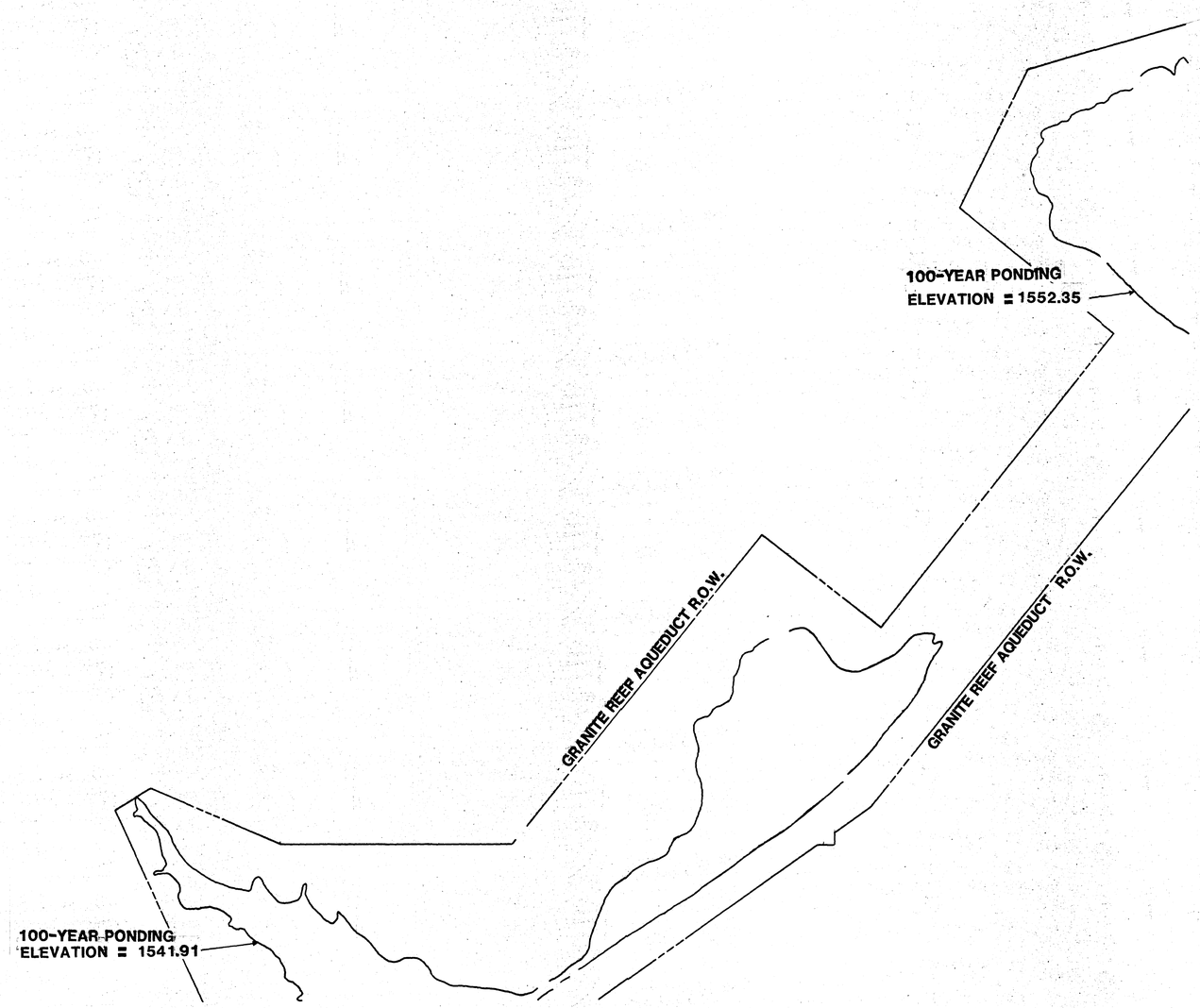
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

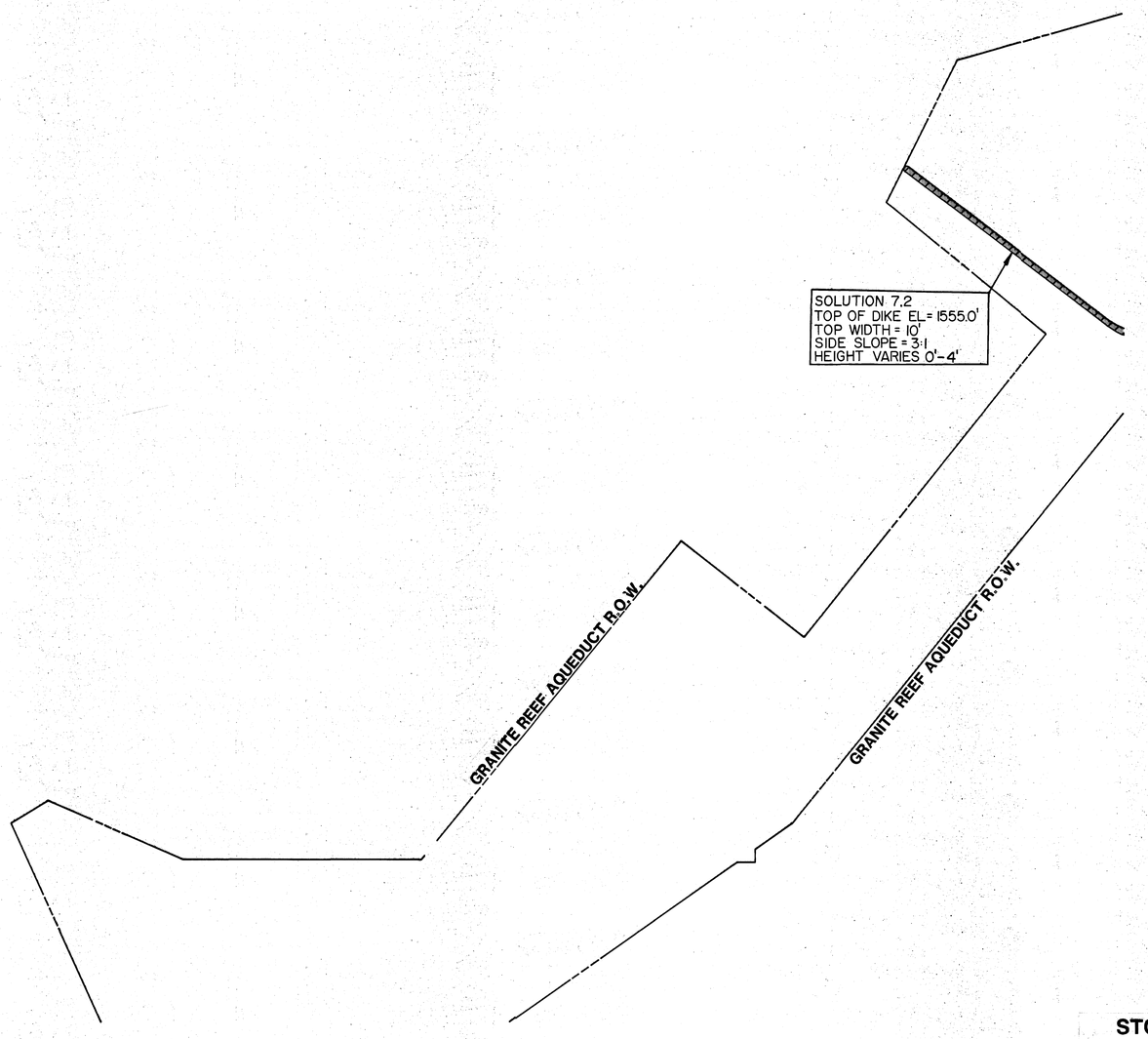
MC-1

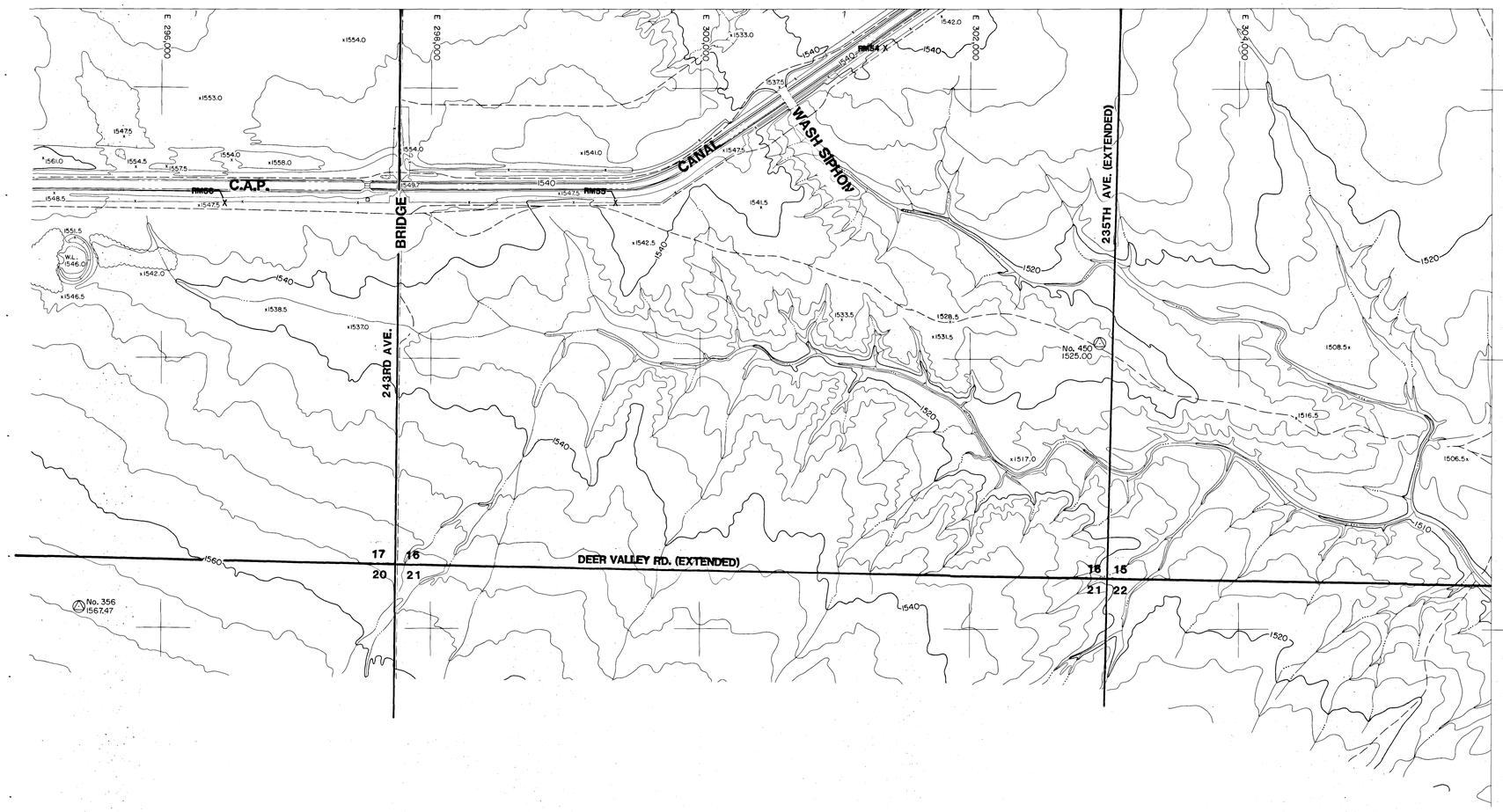
AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 12-11-86 | SHEET 11 OF 55



FLOODPLAIN MAP


SOLUTION 7.2
TOP OF DIKE EL= 1555.0'
TOP WIDTH = 10'
SIDE SLOPE = 3:1
HEIGHT VARIES 0'-4'
GRANITE REEF AQUEDUCT R.O.W.
GRANITE REEF AQUEDUCT R.O.W.

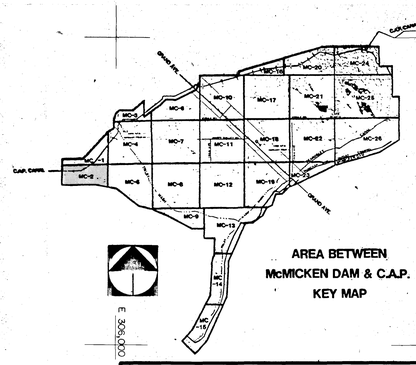


N 980,000
N 978,000
N 976,000
N 974,000
N 972,000
N 970,000

E 294,000
E 296,000
E 298,000
E 300,000
E 302,000
E 304,000
E 306,000
E 308,000

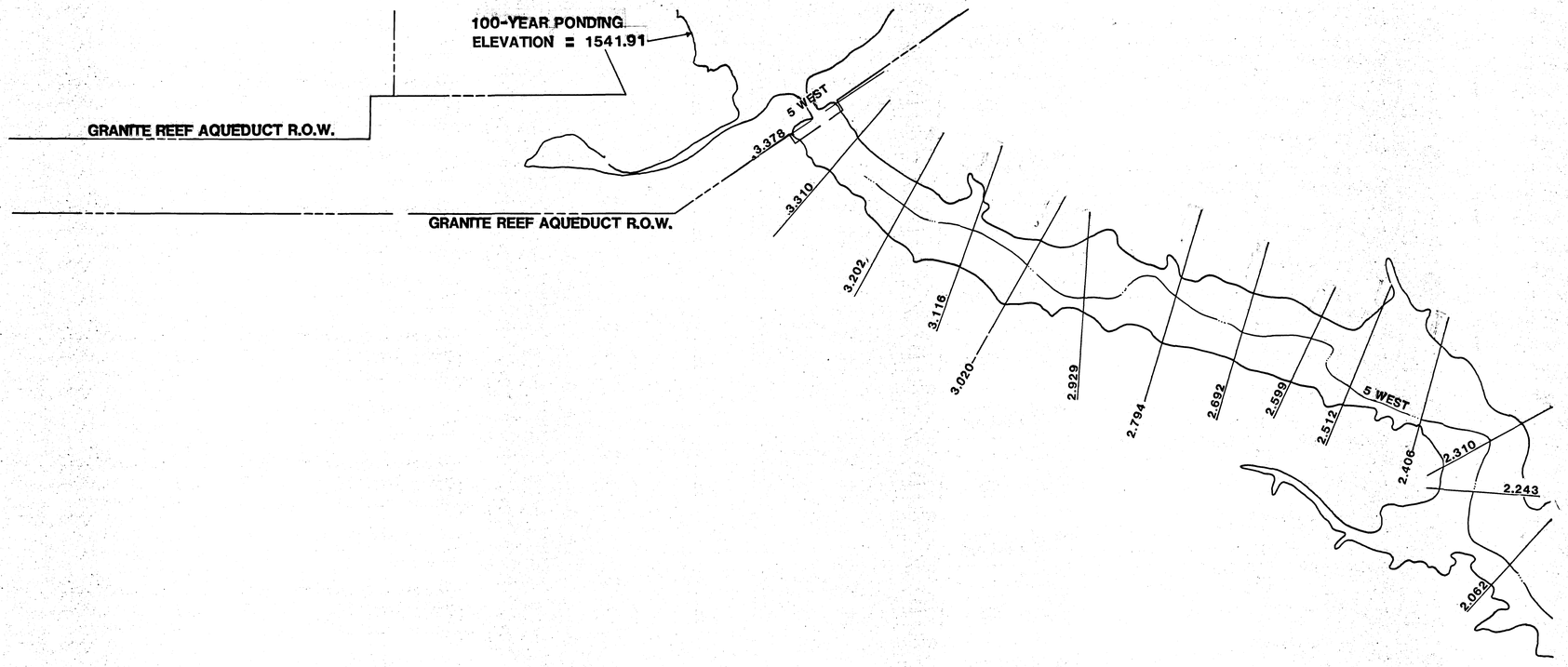
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET



The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS **MC-2**
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 SHEET 12 OF 55



LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	——·——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP

E 304,000 E 306,000 E 308,000 E 310,000 E 312,000 E 314,000 E 316,000 E 318,000

N 1,000,000

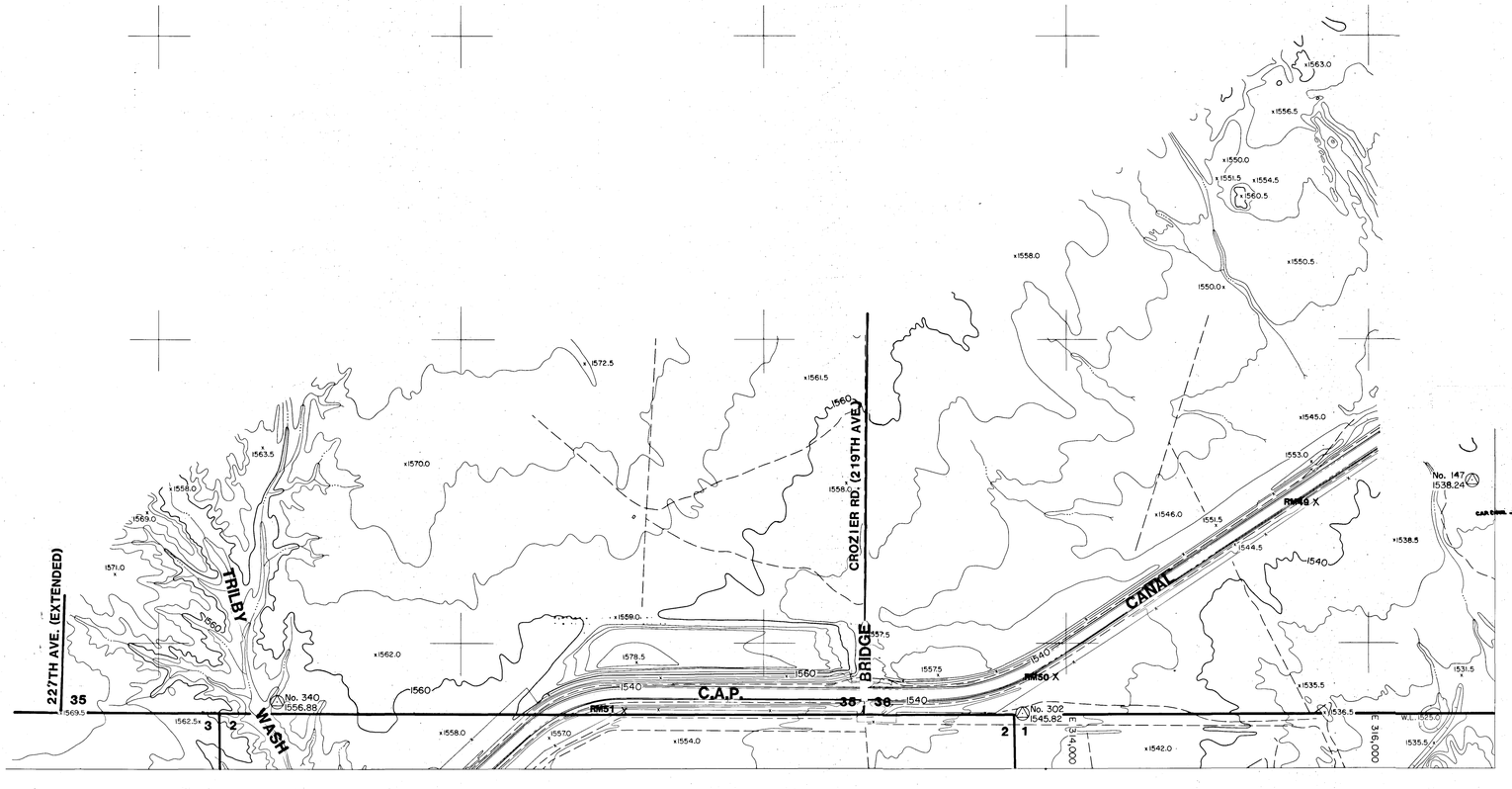
N 998,000

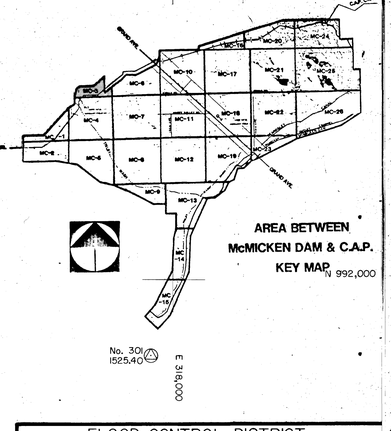
N 996,000

N 994,000

N 992,000

No. 341
1597.24





NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-3
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 SHEET 13 OF 55

LEGEND

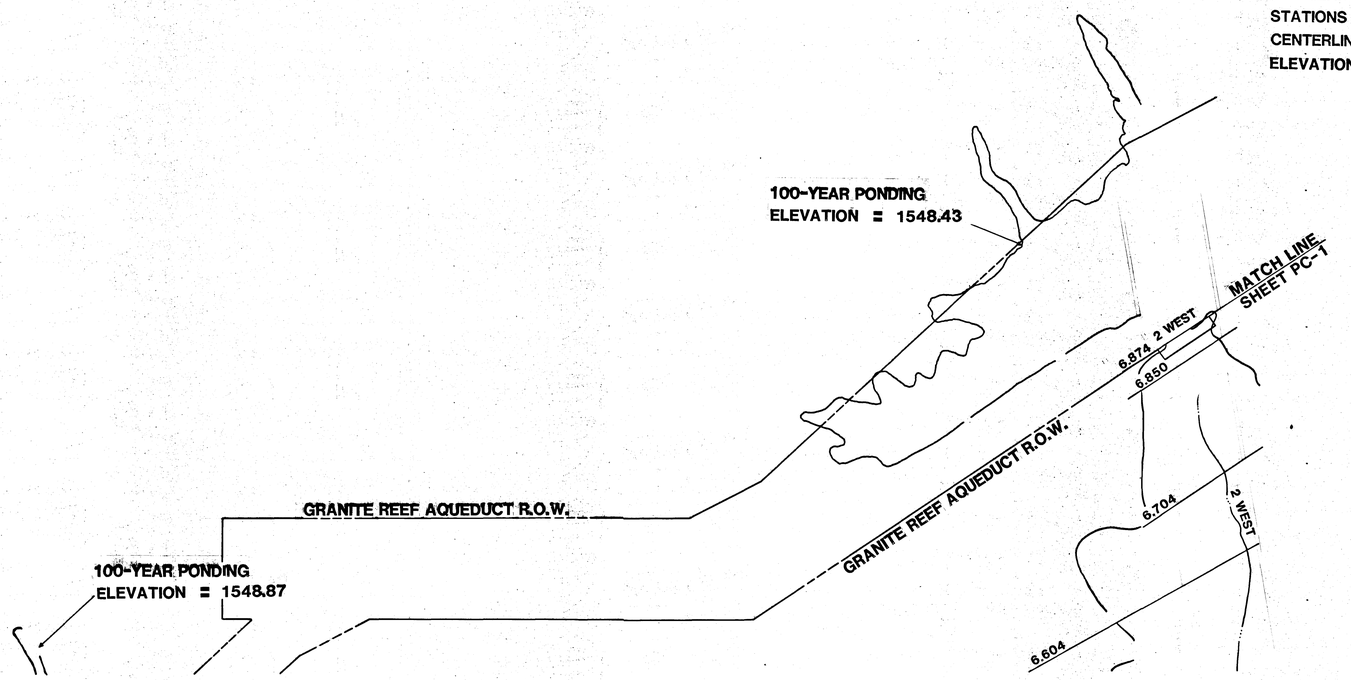
100-YEAR FLOODWAY

100-YEAR FLOODPLAIN

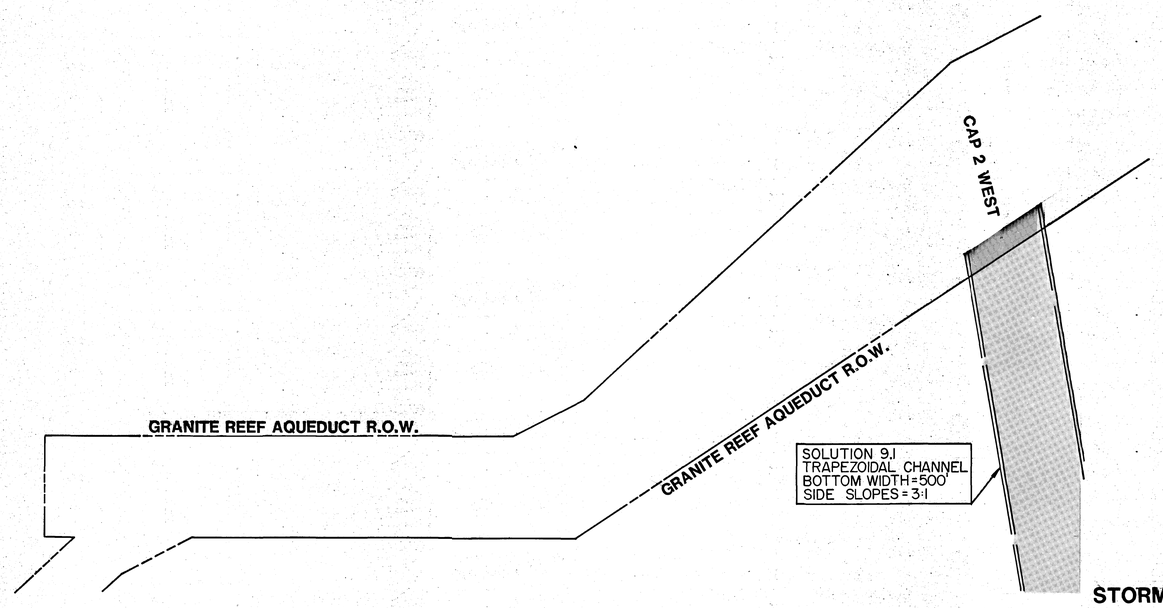
STATIONS (FT) 1000

CENTERLINE

ELEVATION REFERENCE MARK RM10



FLOODPLAIN MAP



STORMWATER MANAGEMENT PLAN

E 304,000 E 306,000 E 308,000 E 310,000 E 312,000 E 314,000 E 316,000 E 318,000

N 990,000 N 988,000 N 986,000 N 984,000 N 982,000 N 980,000

CONCRETE OVERCHUTE

CANAL

IONA WASH CONCRETE OVERCHUTE

C.A.P.

TRILBY

LUKE A.F.B.

AUXILIARY FIELD #1

HAPPY VALLEY RD. (EXTENDED)

227TH AVE. (EXTENDED)

(219TH AVE. EXTENDED)

CROZIER RD.

WASH

PINNACLE PEAK RD. (EXTENDED)

RM44 RM45 RM46 RM47 RM48

No. 438 1554.47

No. 306 1536.30

No. 350 1525.58

No. 420 1526.12

No. 421 1510.53

No. 310 1516.72

No. 312 1499.52

No. 424 1492.71

No. 349 1981.30

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

AREA BETWEEN McMICKEN DAM & C.A.P. KEY MAP

The WLB Group Inc. WLB

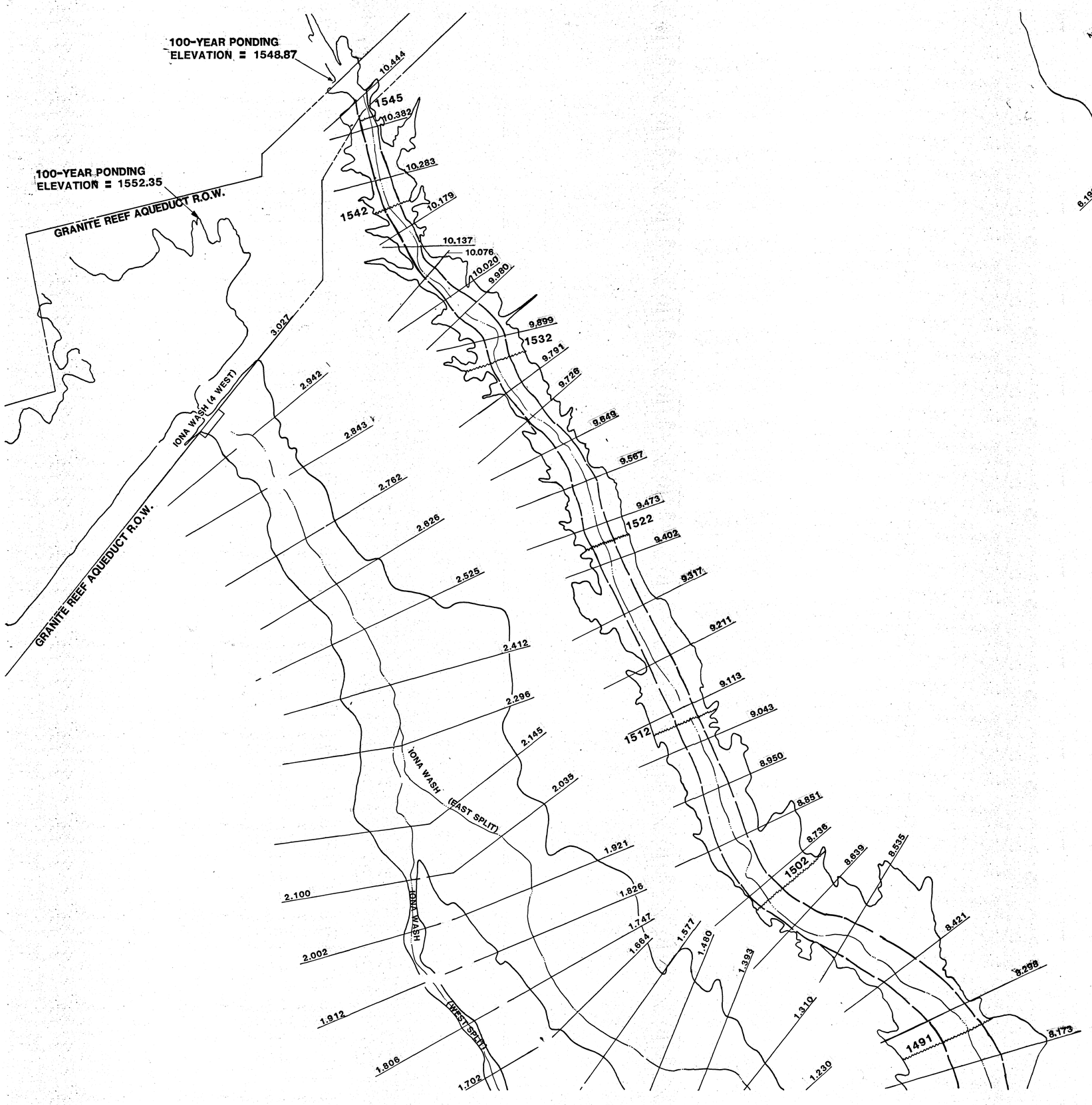
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS MC-4

AREA BETWEEN McMICKEN DAM & C.A.P.

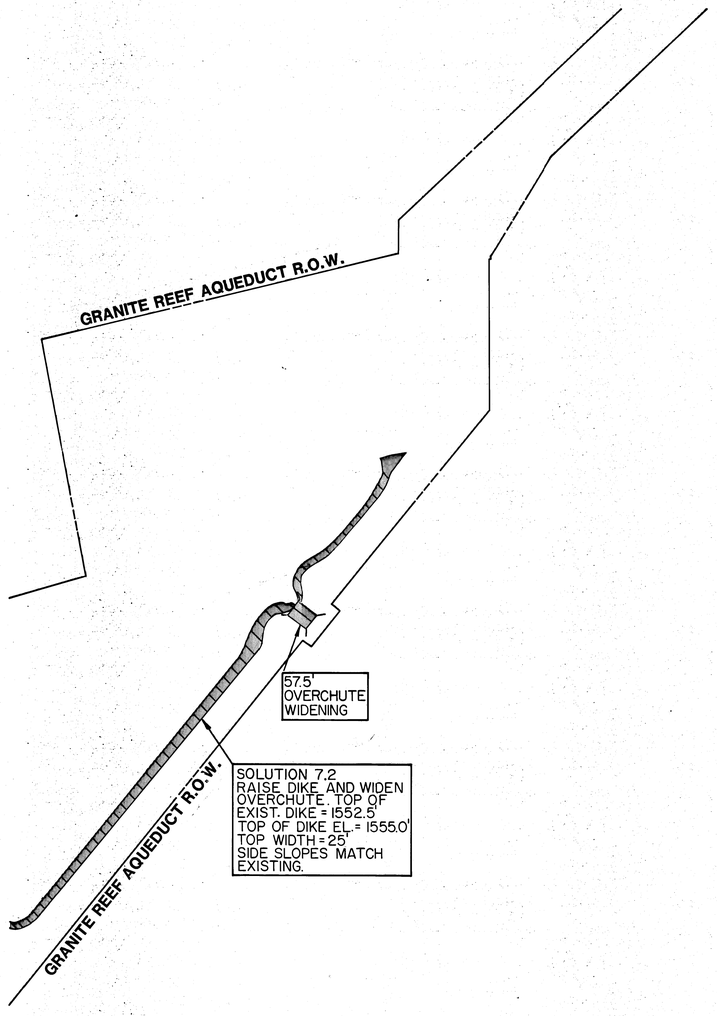
DATE FLOWN: 12-11-86 | SHEET 14 OF 55

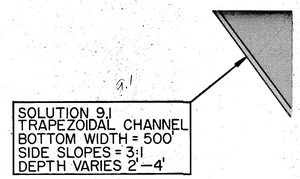


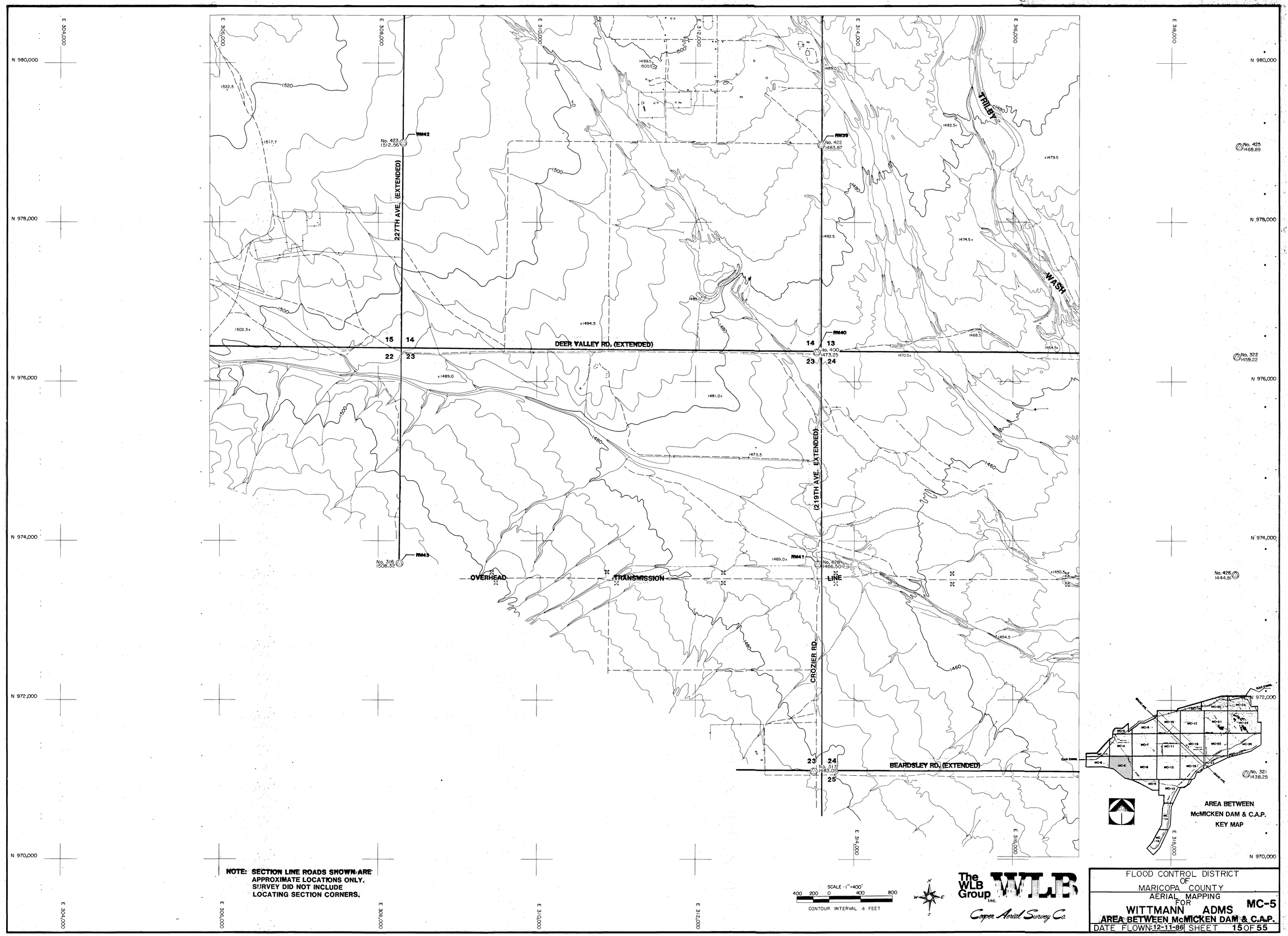
LEGEND

100-YEAR FLOODWAY	
100-YEAR FLOODPLAIN	
STATIONS (FT)	1000
CENTERLINE	
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


GRANITE REEF AQUEDUCT R.O.W.
57.5'
OVERCHUTE
WIDENING
SOLUTION 7.2
RAISE DIKE AND WIDEN
OVERCHUTE. TOP OF
EXIST. DIKE = 1552.5'
TOP OF DIKE EL. = 1555.0'
TOP WIDTH = 25'
SIDE SLOPES MATCH
EXISTING.
GRANITE REEF AQUEDUCT R.O.W.


9.1
SOLUTION 9.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 500'
SIDE SLOPES = 3:1
DEPTH VARIES 2'–4'



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

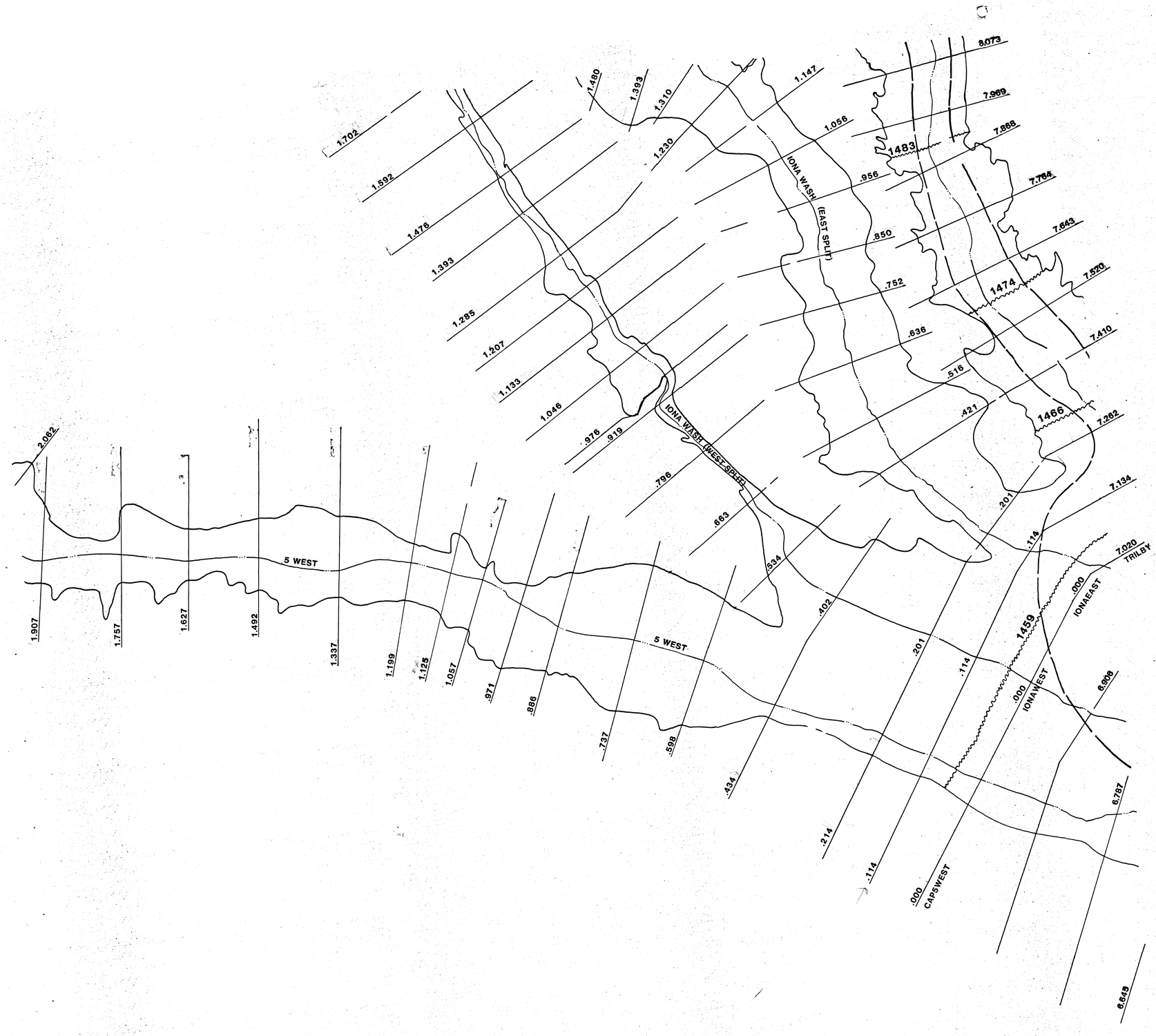
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

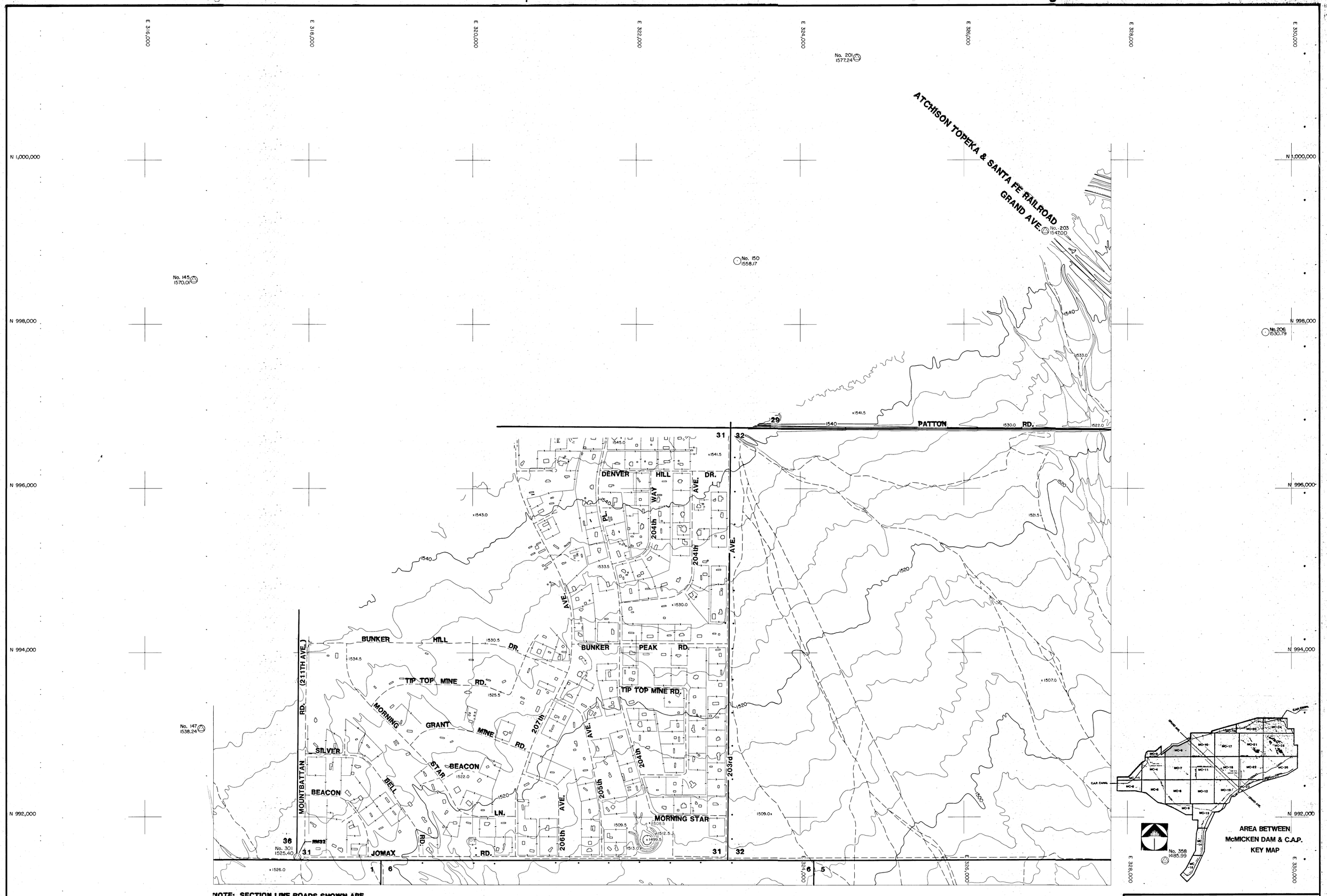
MC-5

AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 12-11-86 SHEET 15 OF 55



FLOODPLAIN MAP



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1"=400'

CONTOUR INTERVAL 4 FEET

The WLB Group Inc.

Cooper Aerial Survey Co.

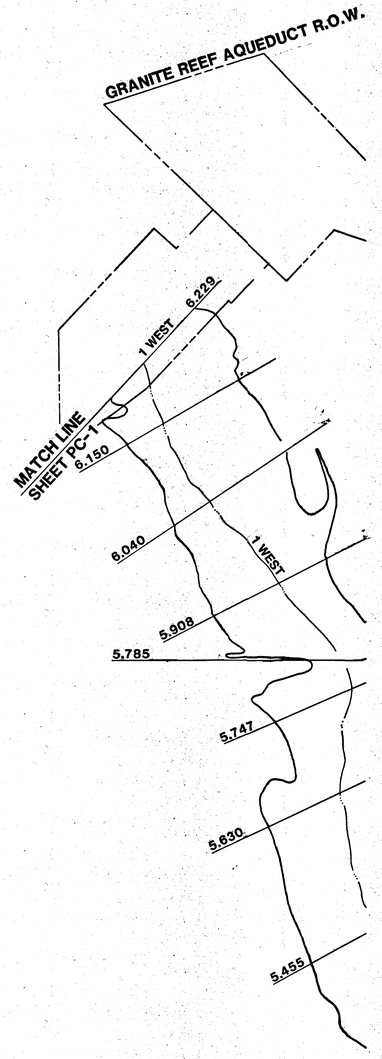
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

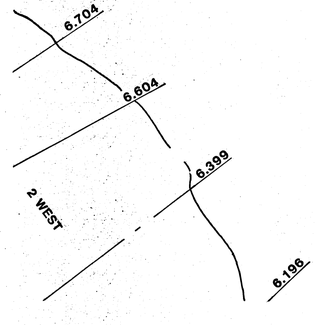
AERIAL MAPPING FOR WITTMANN ADMS

MC-6

AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 12-11-86 | SHEET 16 OF 55

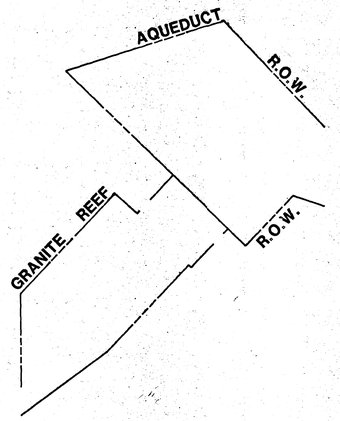


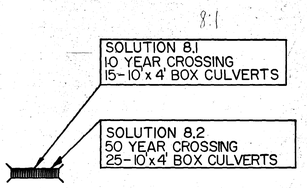


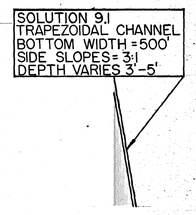
LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	—— ··· ——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


AQUEDUCT
R.O.W.
GRANITE REEF
R.O.W.


8.1
SOLUTION 8.1
10 YEAR CROSSING
15-10'x4' BOX CULVERTS
SOLUTION 8.2
50 YEAR CROSSING
25-10'x4' BOX CULVERTS


SOLUTION 9.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH=500'
SIDE SLOPES=3:1
DEPTH VARIES 3'-5'

E 316,000 E 318,000 E 320,000 E 322,000 E 324,000 E 326,000 E 328,000 E 330,000

N 990,000 N 988,000 N 986,000 N 984,000 N 982,000 N 980,000

HAPPY VALLEY RD.

PINNACLE PEAK RD. (EXTENDED)

21ST AVE. (EXTENDED)

203RD AVE. (EXTENDED)

LUKE A.F.B.

AUXILIARY FIELD #1

RM31

RM30

No. 424
1492.71

No. 349
1981.30

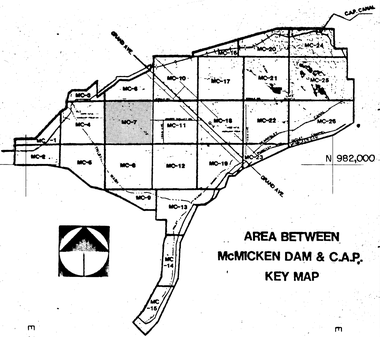
No. 472
1474.37

No. 473
1455.36

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

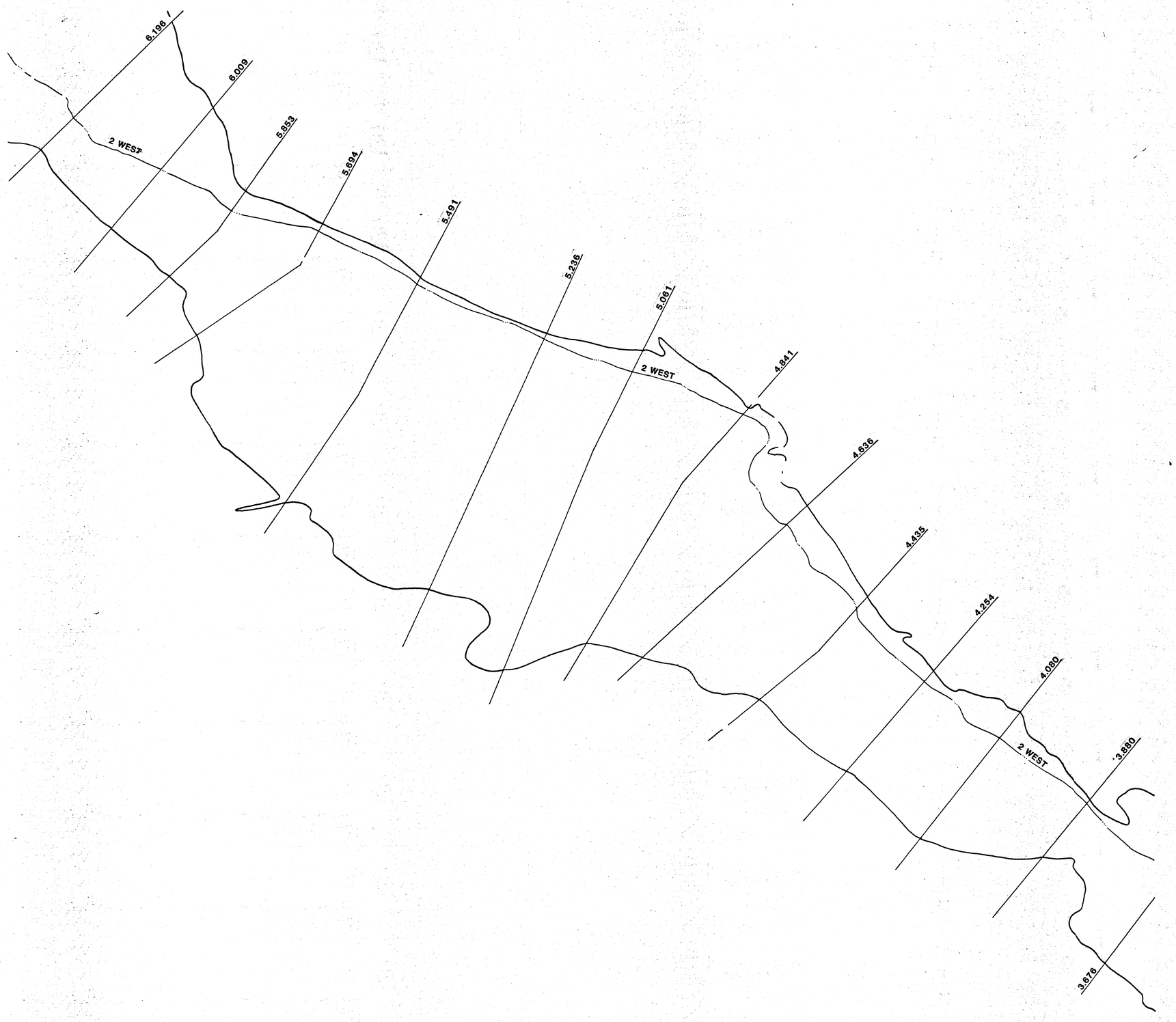
SCALE: 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.



AREA BETWEEN
McMICKEN DAM & C.A.P.
KEY MAP

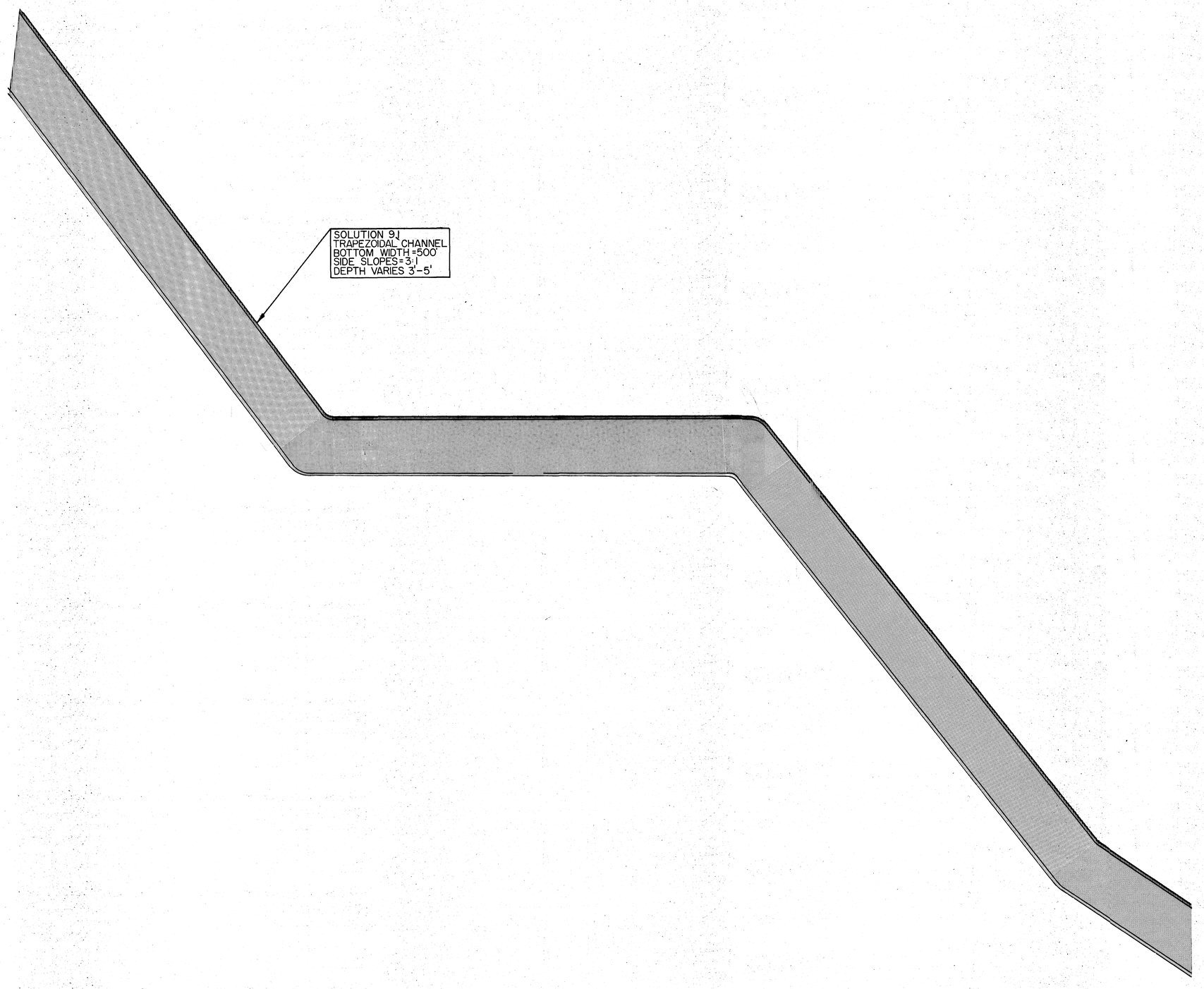
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-7
AREA BETWEEN Mc MICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 SHEET 17 OF 55



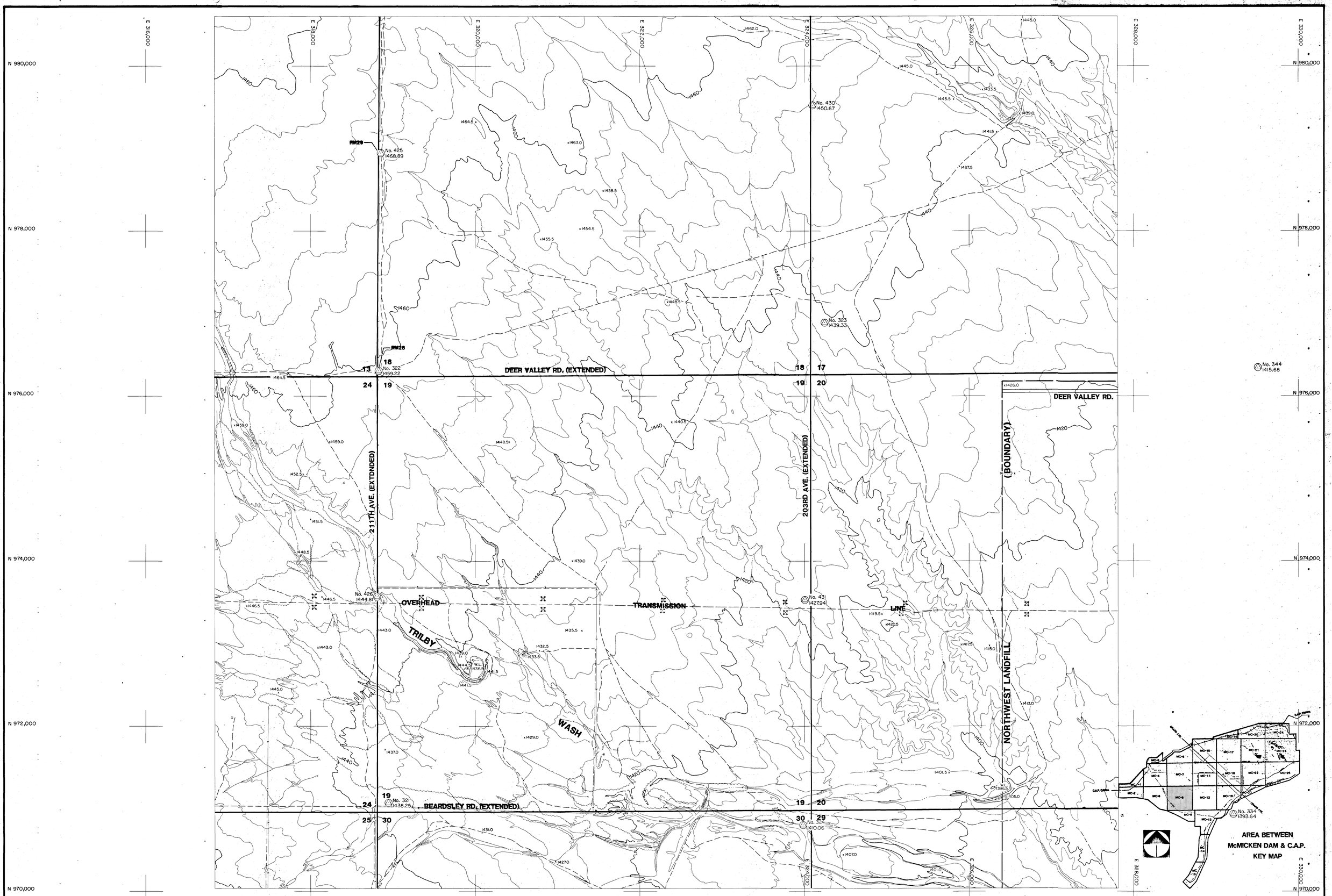
LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	——— 1000
CENTERLINE	——— · ———
ELEVATION REFERENCE MARK RM10	

FLOODPLAIN MAP



STORMWATER
MANAGEMENT PLAN



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

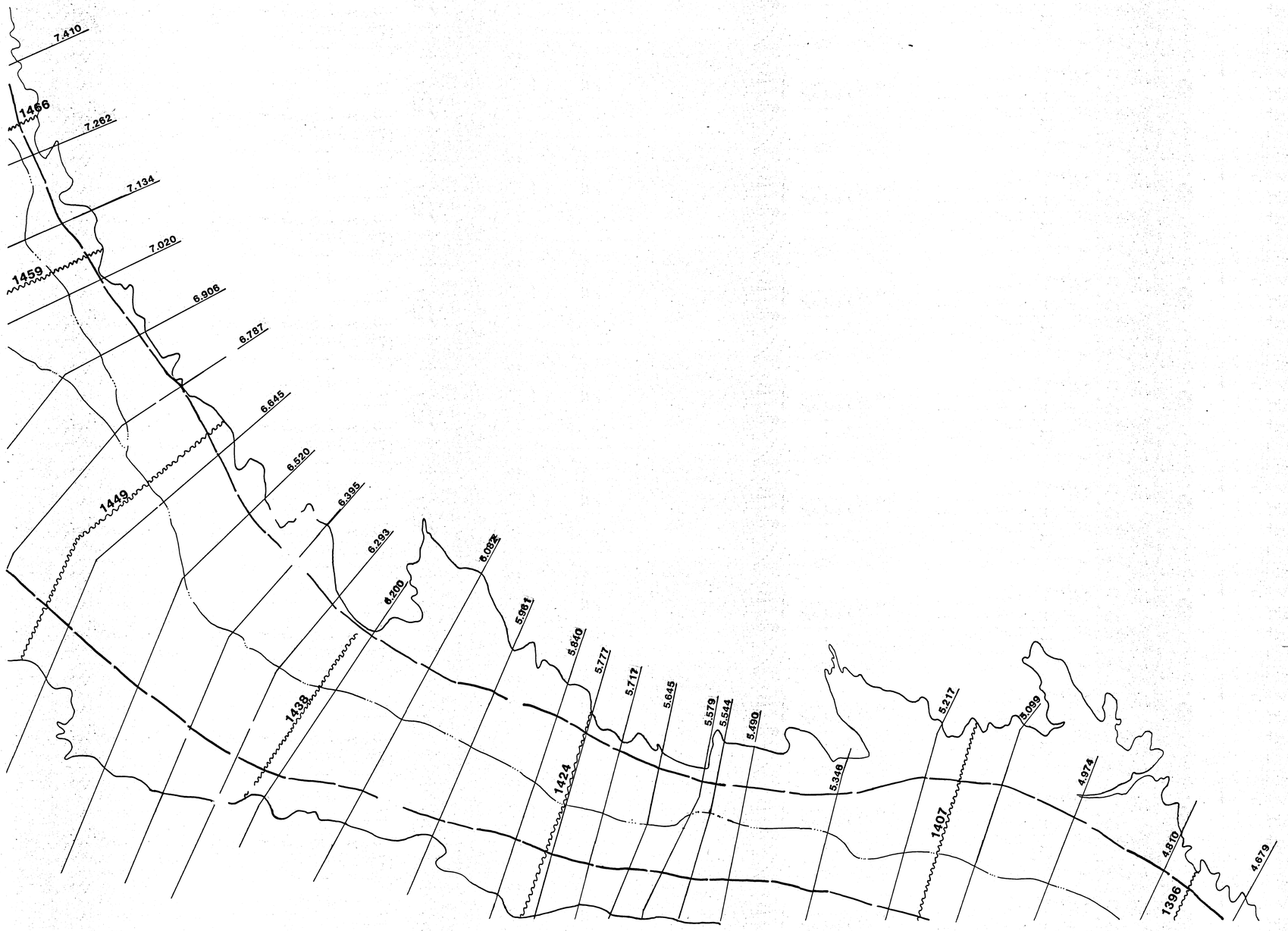
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

MC-8

AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 12-11-86 | SHEET 18 OF 55



LEGEND

100-YEAR FLOODWAY

100-YEAR FLOODPLAIN

1000 STATIONS (FT)

CENTERLINE

RM10 ELEVATION REFERENCE MARK

FLOODPLAIN/FLOODWAY MAP

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc.

Cooper Aerial Survey Co.

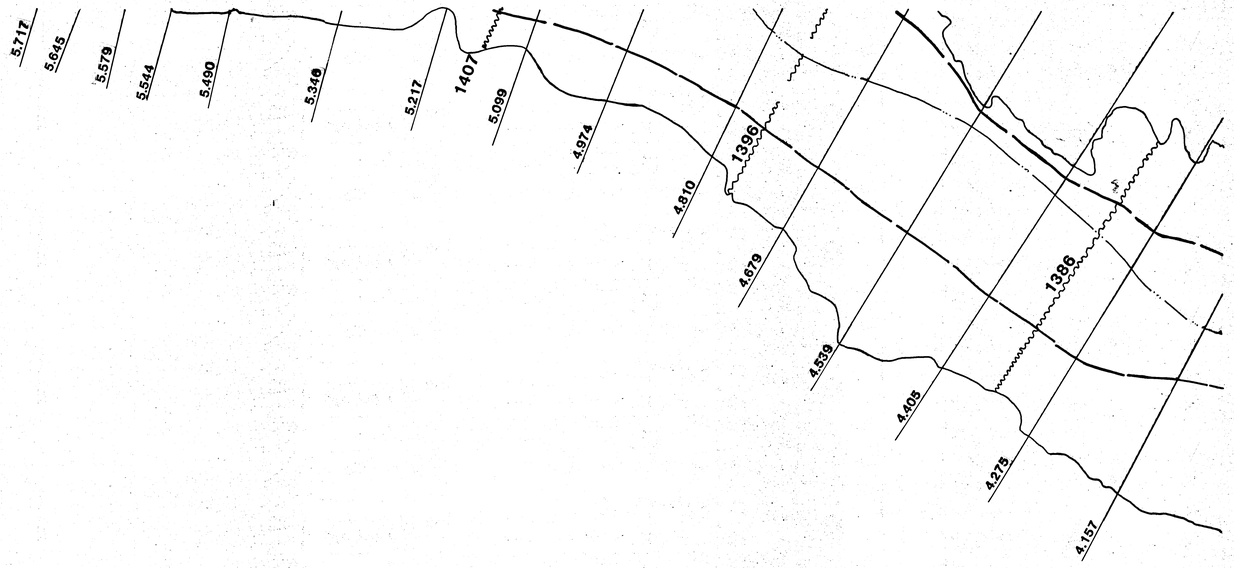
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY

AERIAL MAPPING
FOR

WITTMANN ADMS **MC-9**

AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN 12-11-86 | SHEET 19 OF 55



LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- 1000 STATIONS (FT)
- CENTERLINE
- RM10 ELEVATION REFERENCE MARK

FLOODPLAIN/FLOODWAY MAP

E 326,000 E 328,000 E 330,000 E 332,000 E 334,000 E 336,000 E 338,000 E 340,000

N 1,000,000 N 998,000 N 996,000 N 994,000 N 992,000

72" PIPE

72" PIPE

72" PIPE

C.A.P. CANAL

PATTON ROAD

PATTON RD. (EXTENDED)

ATCHISON-TOPEKA & SANTA FE RAILROAD

GRAND AVENUE (U.S. 60 & U.S. 89)

195th AVENUE

193rd AVENUE

191st AVENUE

187TH AVE. (EXTENDED)

JOMAX ROAD

No. 206 1530.79

No. 207 1507.28

No. 209 1509.95

No. 211 1485.59

No. 214 1471.24

No. 216 1454.18

No. 358 1485.99

29 28 28 27

32 33 33 34

5 4 4 3

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

AREA BETWEEN McMICKEN DAM & C.A.P. KEY MAP

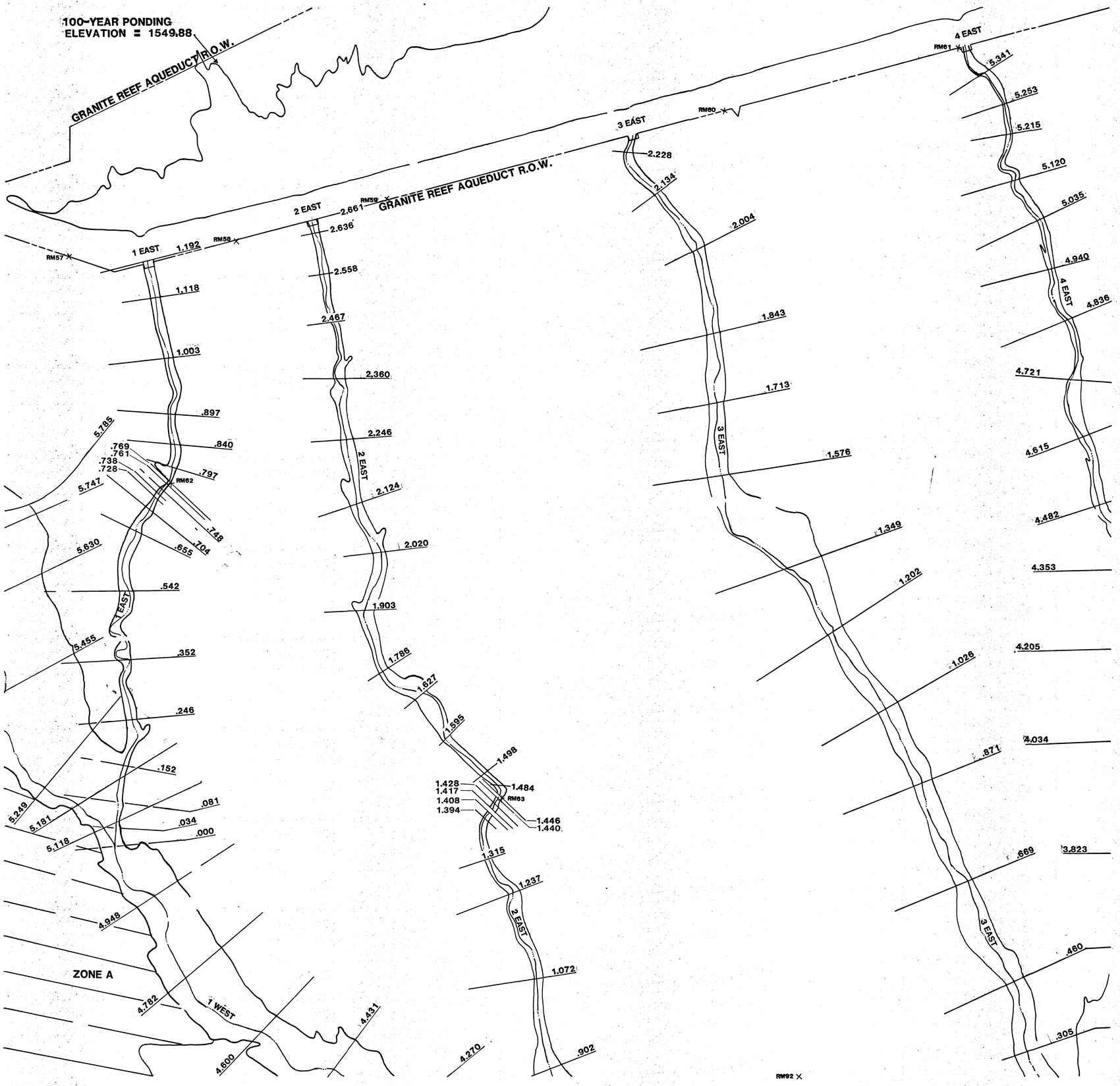
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR

WITTMANN ADMS MC-10

AREA BETWEEN McMICKEN DAM & C.A.P.

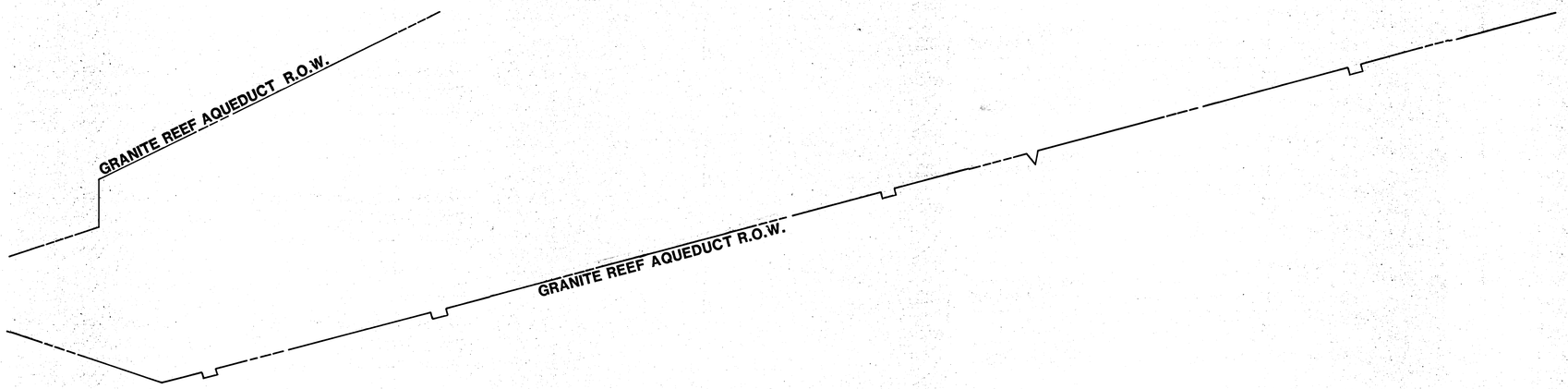
DATE FLOWN: 12-11-86 | SHEET 20 OF 55

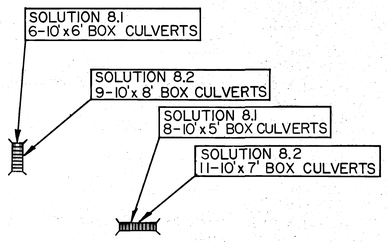


LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP


GRANITE REEF AQUEDUCT R.O.W.
GRANITE REEF AQUEDUCT R.O.W.


SOLUTION 8.1
6-10'x6' BOX CULVERTS
SOLUTION 8.2
9-10'x 8' BOX CULVERTS
SOLUTION 8.1
8-10'x 5' BOX CULVERTS
SOLUTION 8.2
11-10'x 7' BOX CULVERTS

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

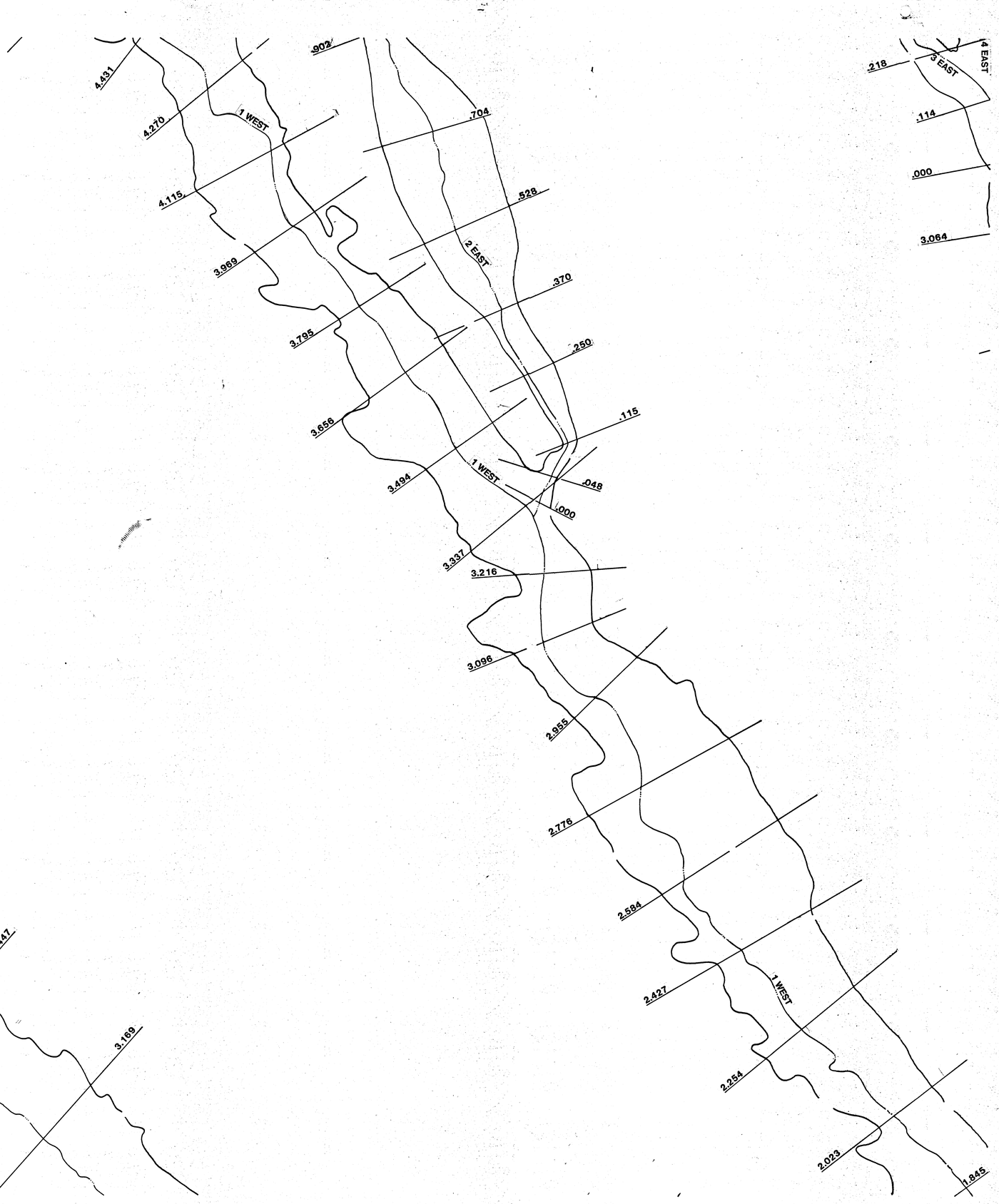
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

AREA BETWEEN McMICKEN DAM & C.A.P.

MC-11

DATE FLOWN: 12-11-86 SHEET 21 OF 55

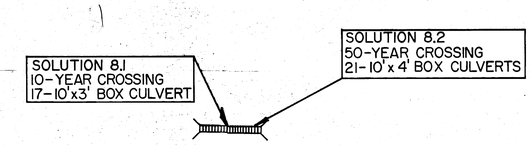


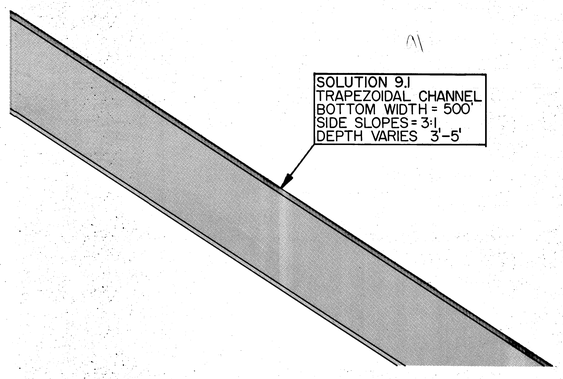
LEGEND

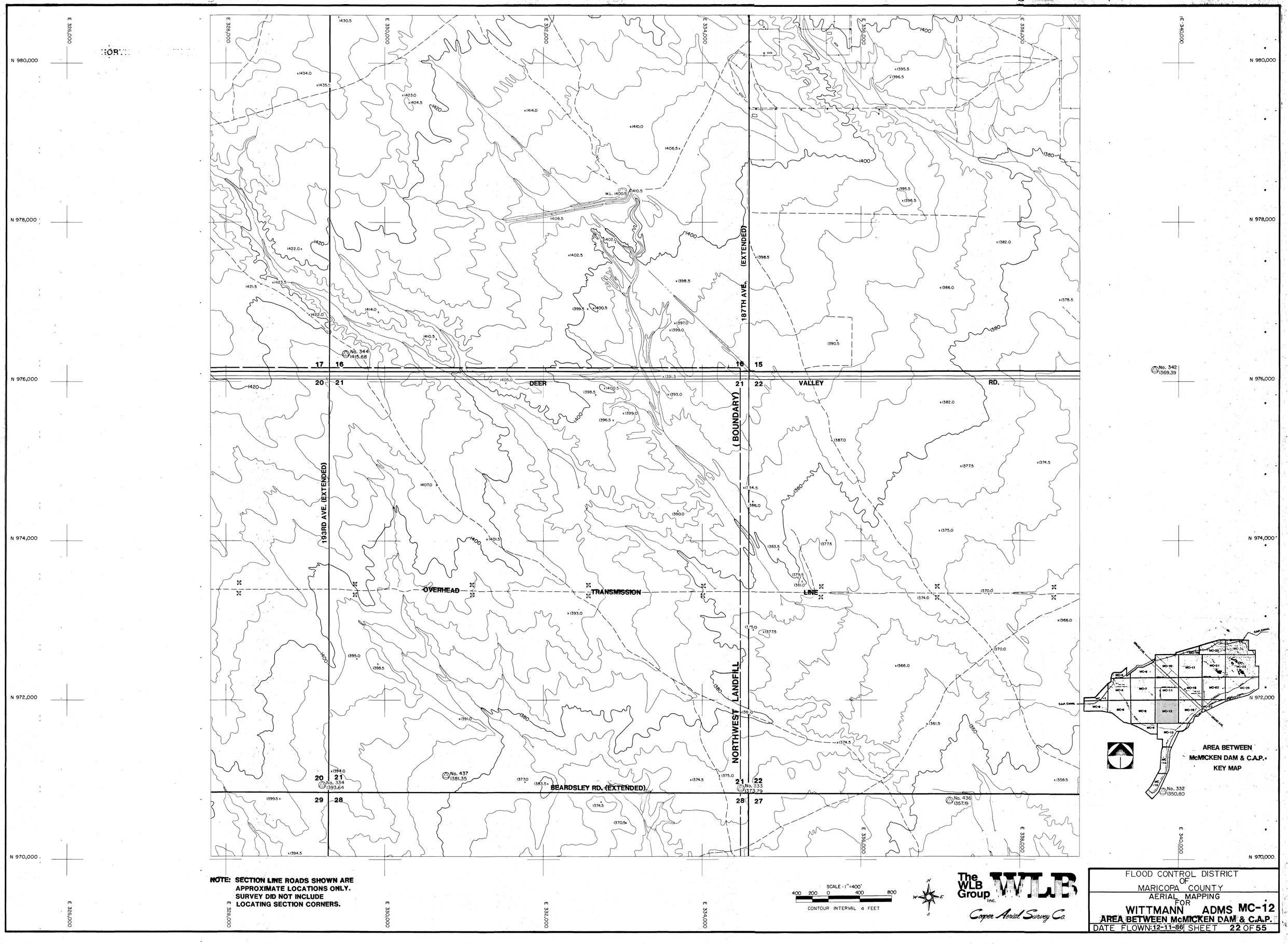
- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

2/A


SOLUTION 8.1
10-YEAR CROSSING
17-10'x3' BOX CULVERT
SOLUTION 8.2
50-YEAR CROSSING
21-10'x4' BOX CULVERTS


SOLUTION 9.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 500'
SIDE SLOPES = 3:1
DEPTH VARIES 3'-5'



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

The WLB Group Inc.

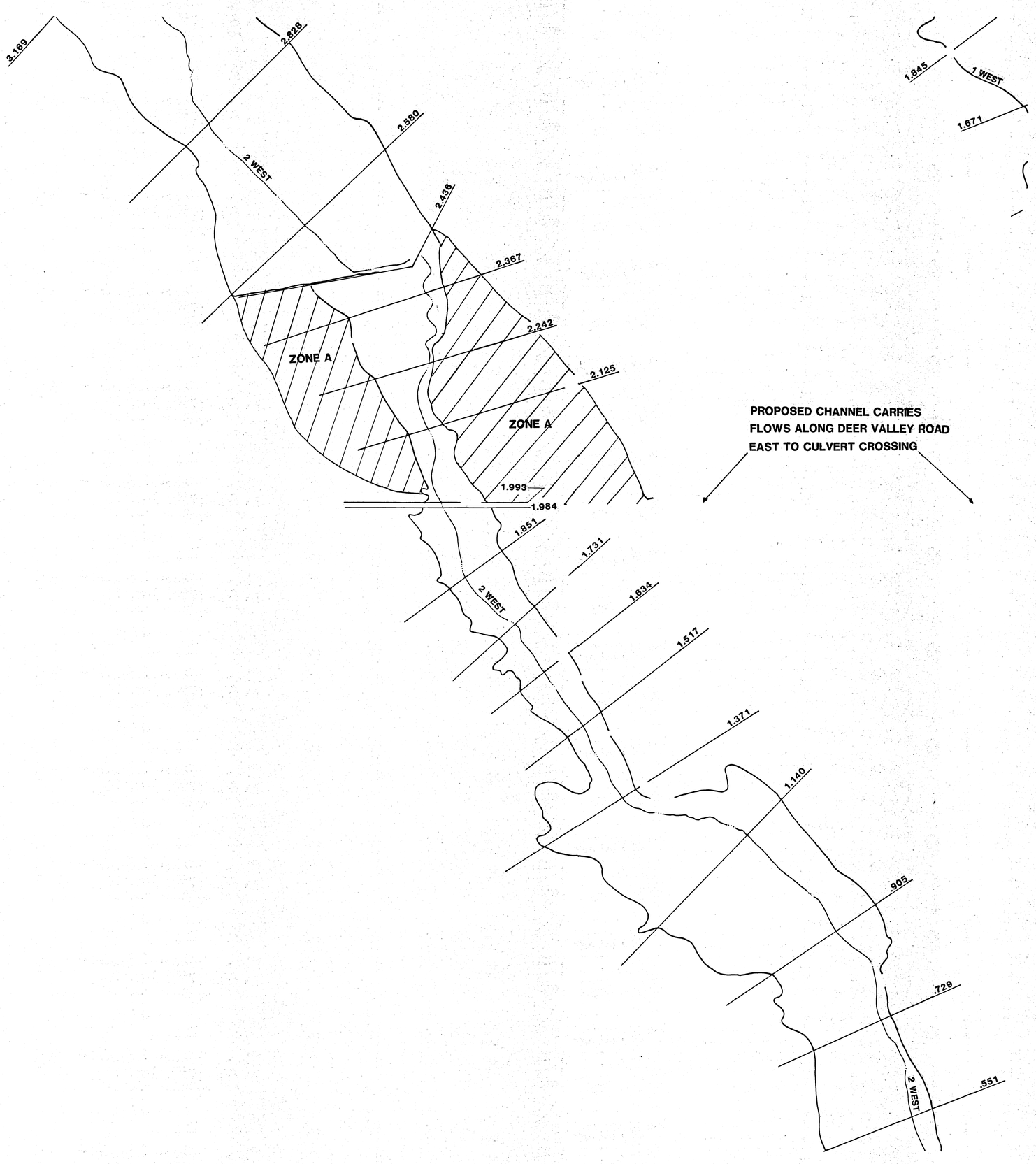
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

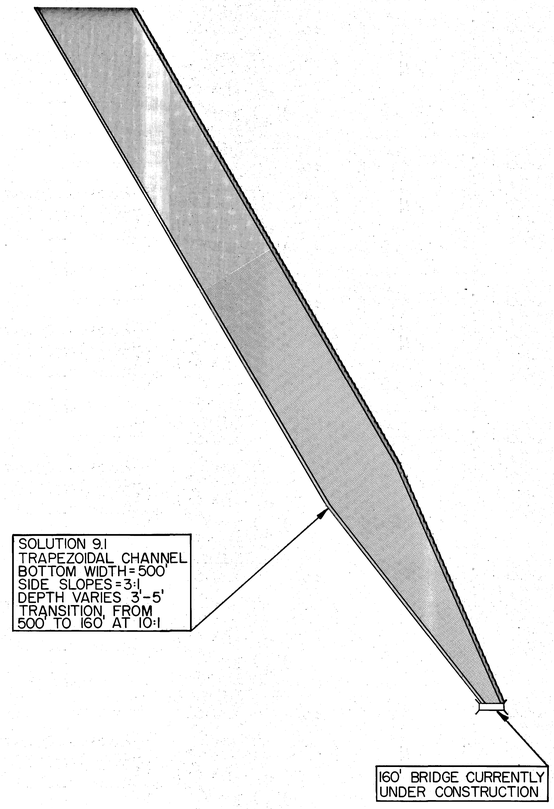
AERIAL MAPPING FOR WITTMANN ADMS MC-12

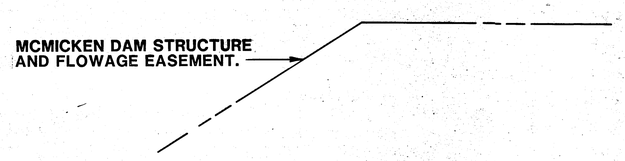
AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 12-11-86 SHEET 22 OF 55

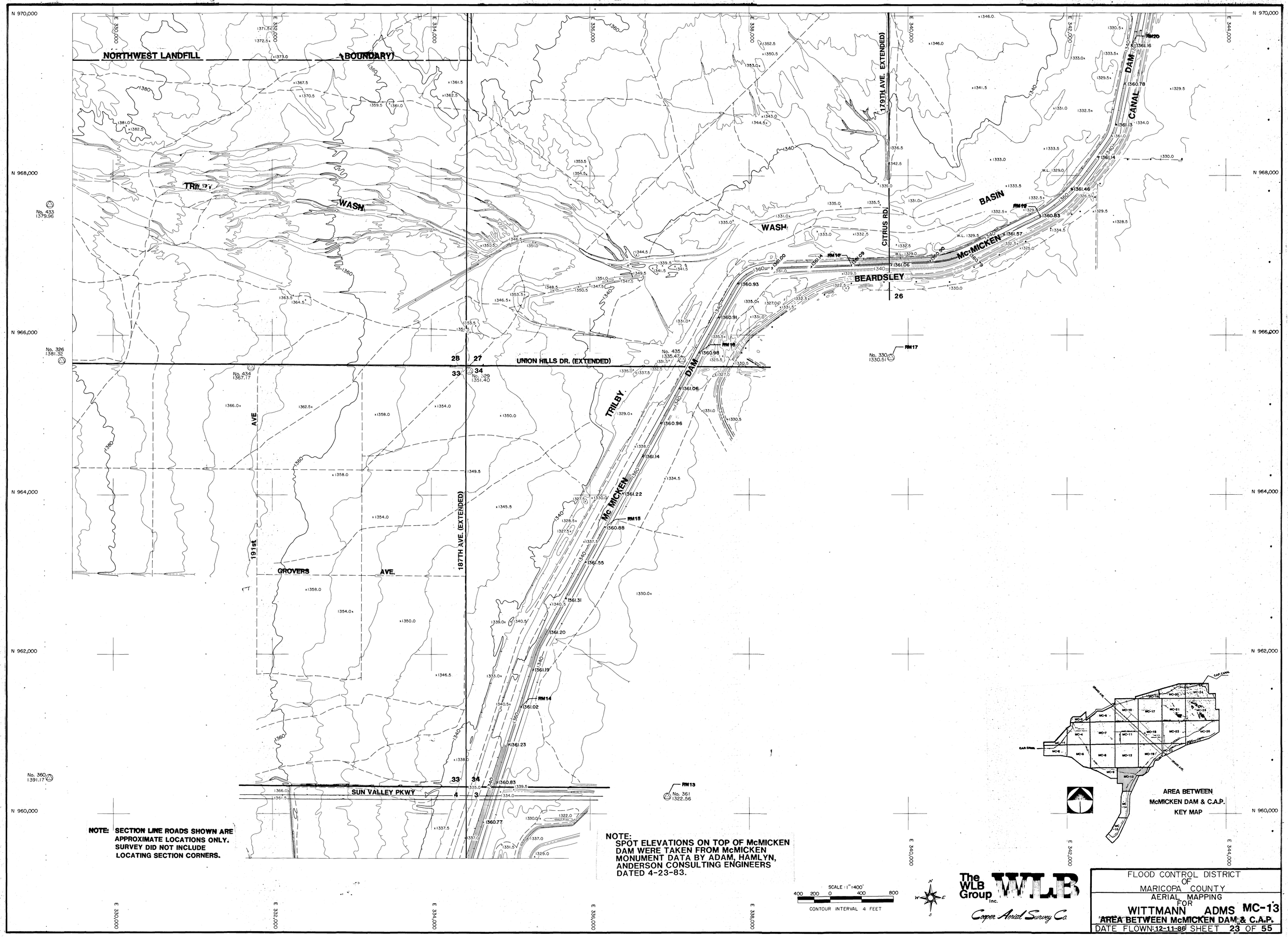


FLOODPLAIN MAP


SOLUTION 9.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH=500'
SIDE SLOPES=3:1
DEPTH VARIES 3'-5'
TRANSITION, FROM
500' TO 160' AT 10:1
160' BRIDGE CURRENTLY
UNDER CONSTRUCTION



EASEMENT
CUT



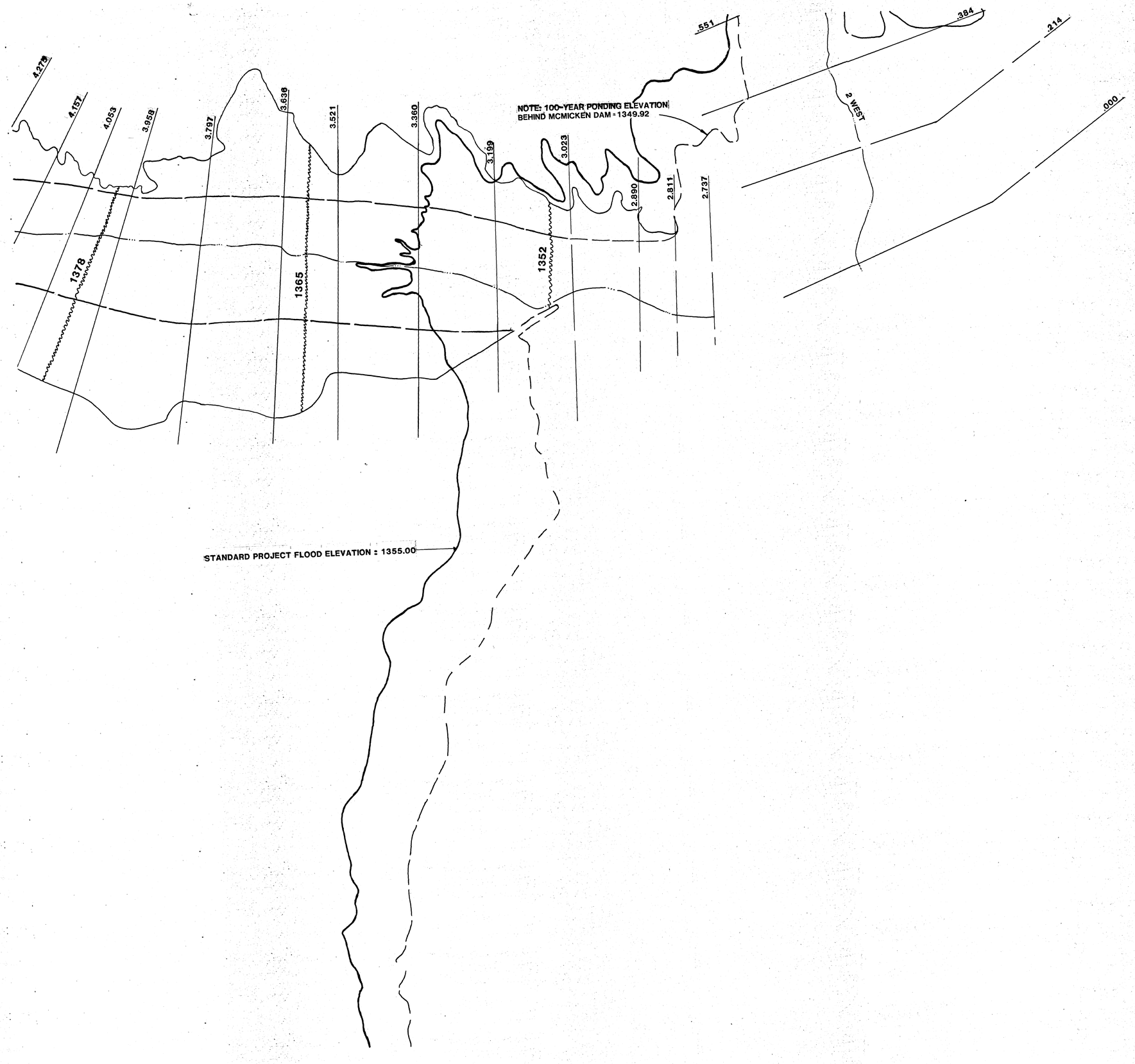
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

NOTE:
SPOT ELEVATIONS ON TOP OF McMICKEN DAM WERE TAKEN FROM McMICKEN MONUMENT DATA BY ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS DATED 4-23-83.

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

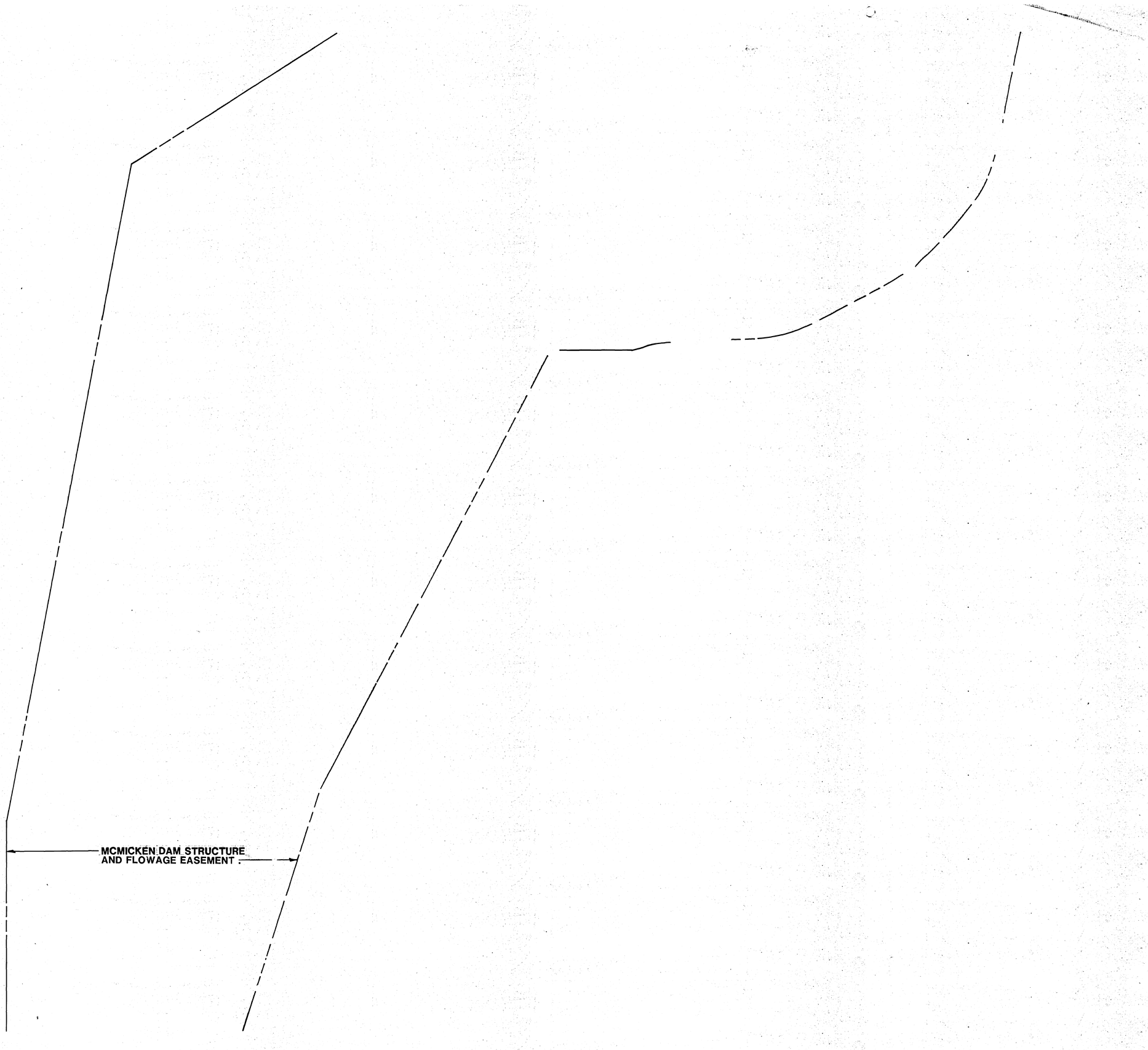
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-13
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 SHEET 23 OF 55



LEGEND

100-YEAR FLOODWAY	— — — —
100-YEAR FLOODPLAIN	————
STATIONS (FT)	1000
CENTERLINE	—— ... ——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT

N 946,000 N 948,000 N 950,000 N 952,000 N 954,000 N 956,000 N 958,000 N 960,000

E 328,000 E 330,000 E 332,000 E 334,000 E 336,000 E 338,000

No. 461
1396.01

No. 360
1391.17

WADDELL RD.

GREENWAY RD.

PERRYVILLE RD. (187TH AVE. EXTENDED)

TRILBY WASH

Mc MICKEN DAM

BASIN

RM7 RM8 RM9 RM10 RM11

16 9 15 10 9 10 4 3

No. 462
1322.15

No. 463
1320.95

NOTE:
SPOT ELEVATIONS ON TOP OF McMICKEN DAM WERE TAKEN FROM McMICKEN MONUMENT DATA BY ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS DATED 4-23-83.

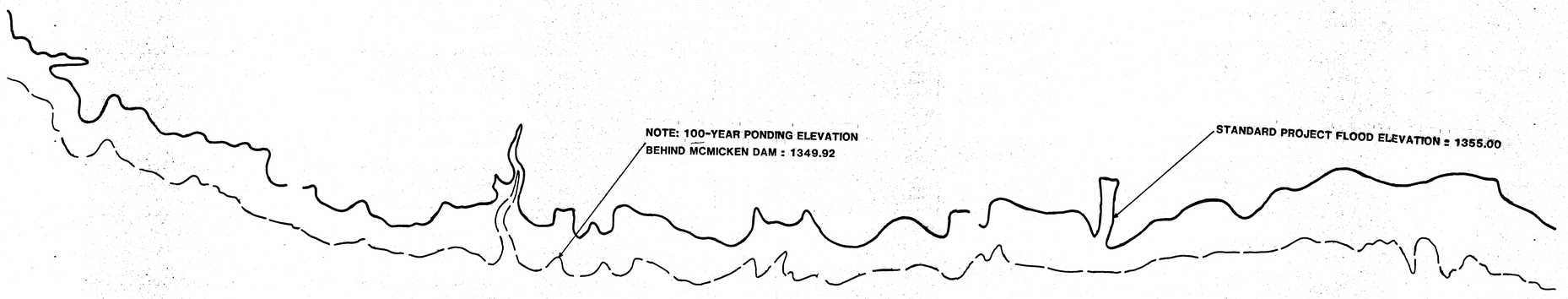
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

AREA BETWEEN McMICKEN DAM & C.A.P. KEY MAP

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

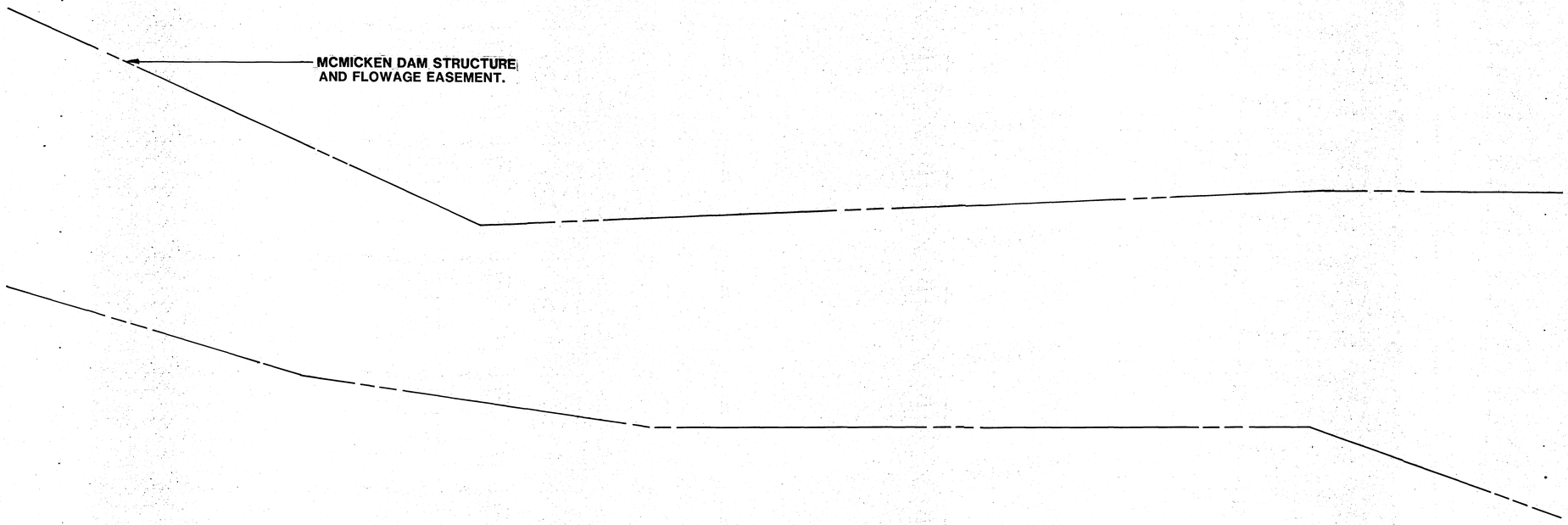
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR ADMS MC-14
WITTMANN
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 | SHEET 24 OF 55



LEGEND

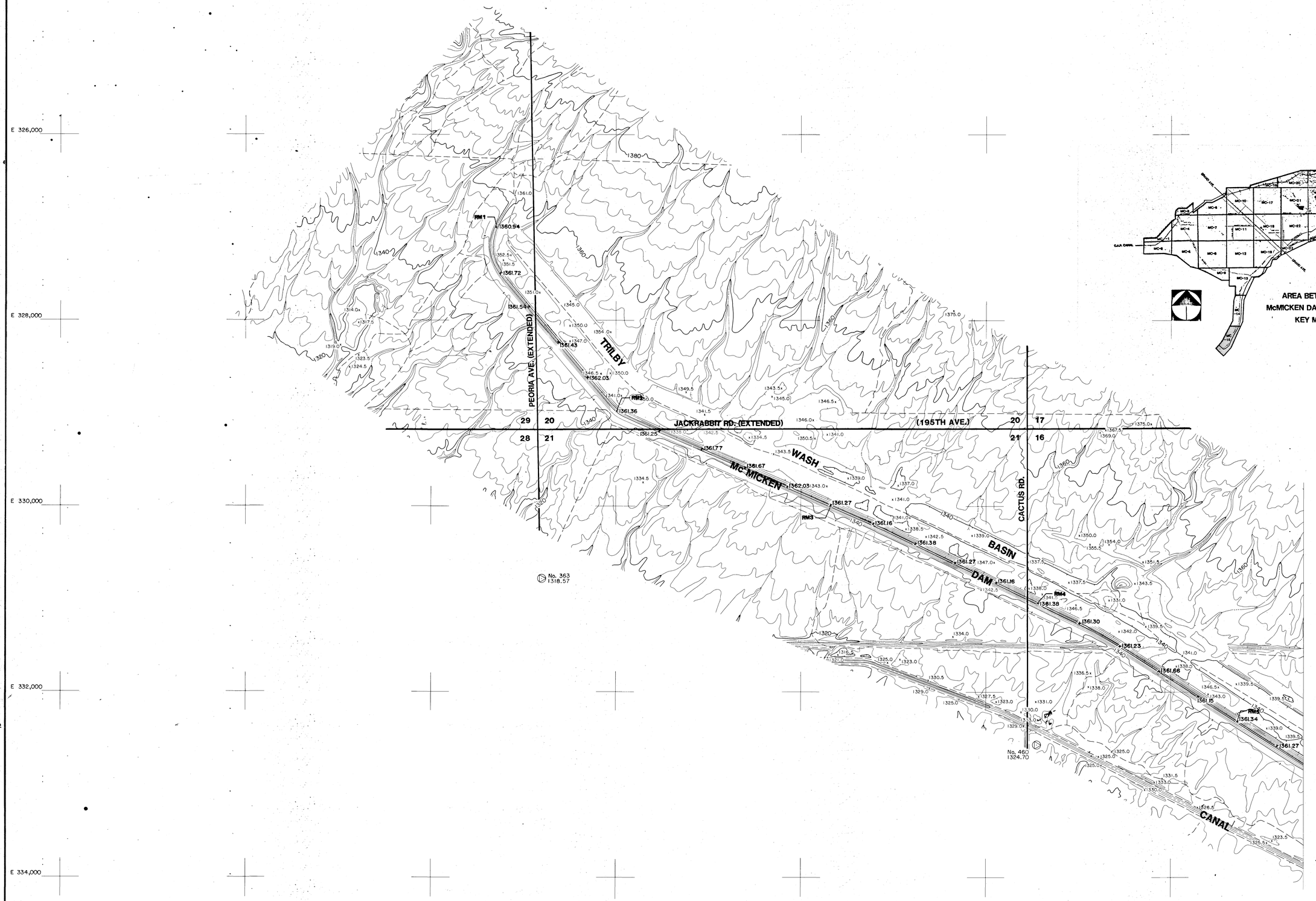
100-YEAR FLOODWAY	———
100-YEAR FLOODPLAIN	———
STATIONS (FT)	——— 1000
CENTERLINE	——— · ———
ELEVATION REFERENCE MARK RM10	

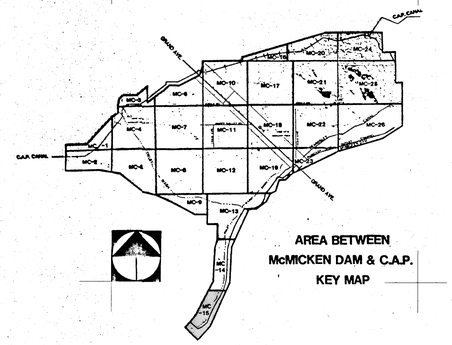
FLOODPLAIN MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT.

N 934,000 N 936,000 N 938,000 N 940,000 N 942,000 N 944,000 N 946,000 N 948,000

E 326,000 E 328,000 E 330,000 E 332,000 E 334,000





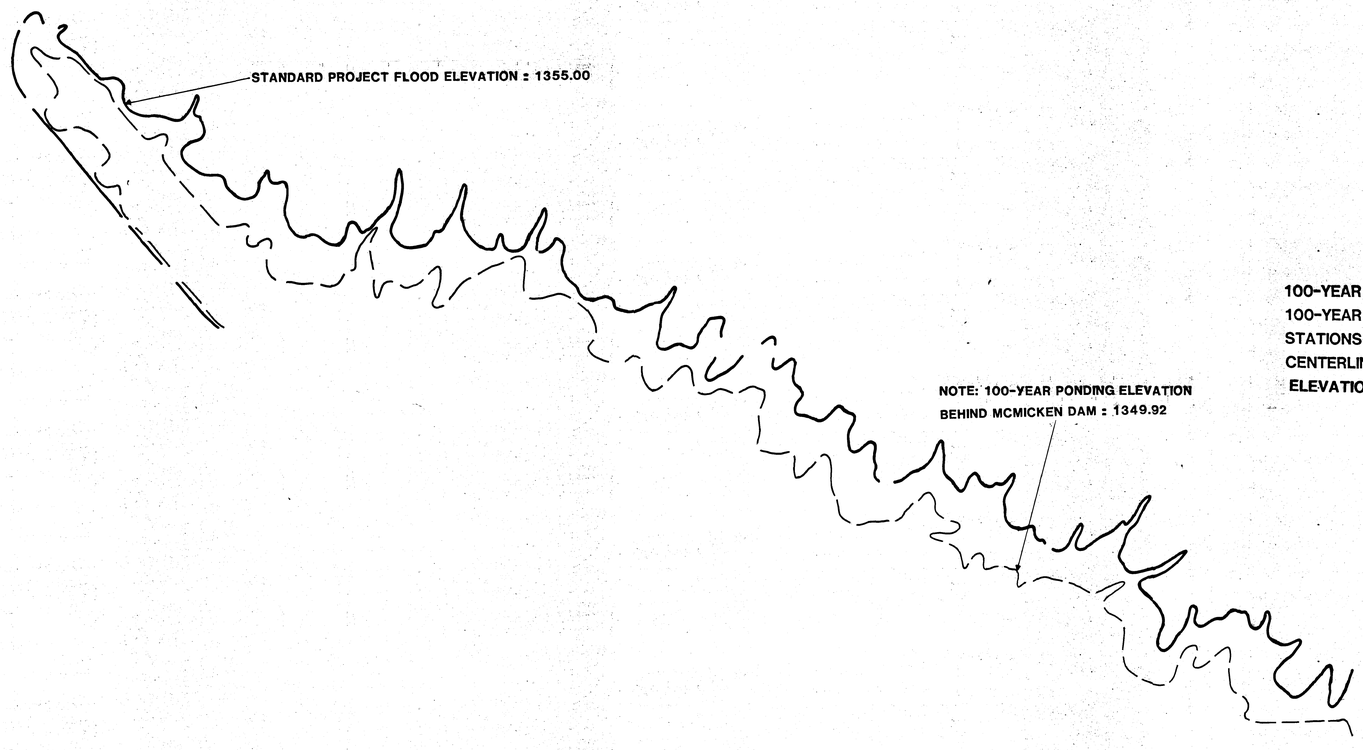
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

NOTE: SPOT ELEVATIONS ON TOP OF McMICKEN DAM WERE TAKEN FROM McMICKEN MONUMENT DATA BY ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS DATED 4-23-83.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

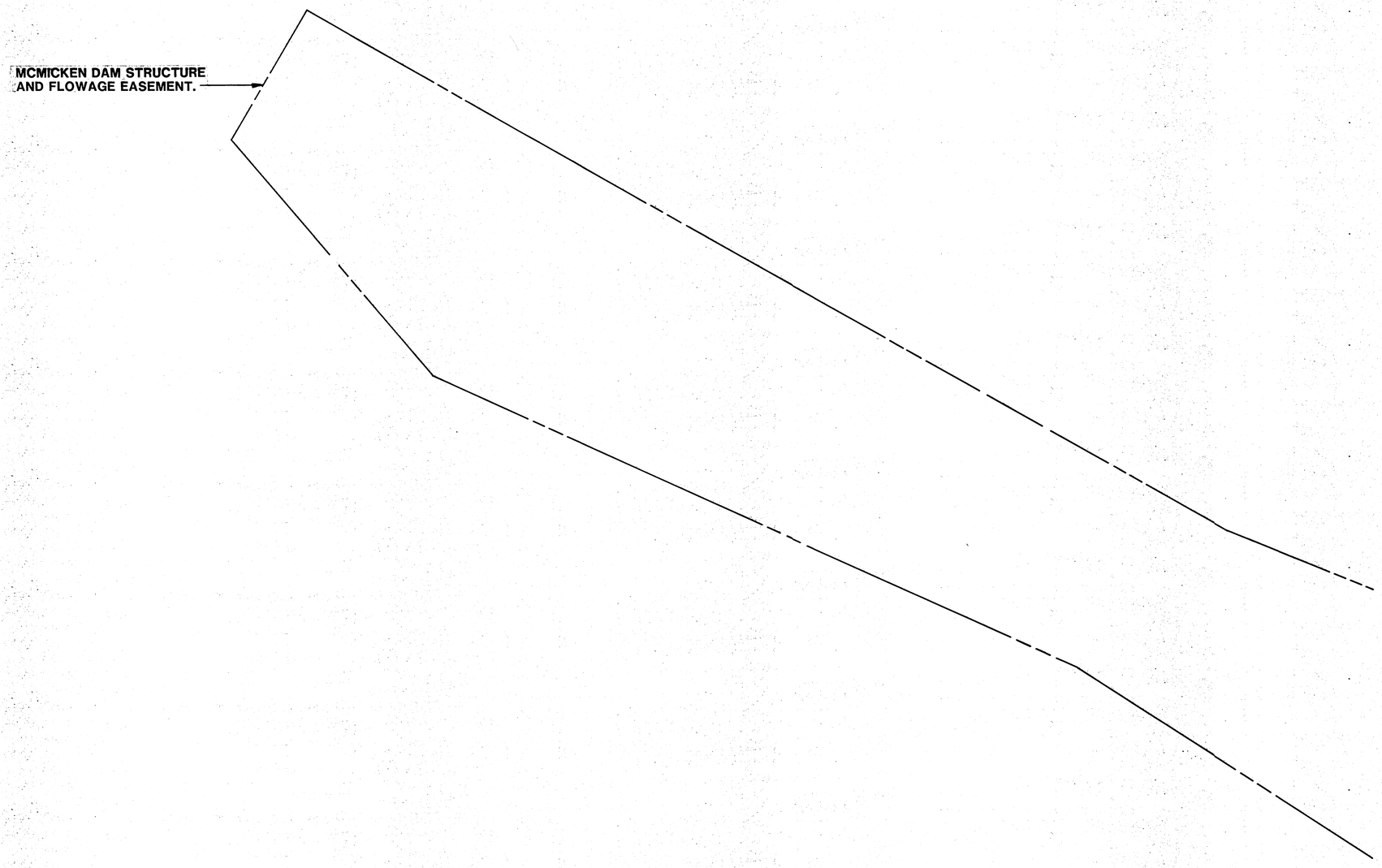
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS MC-15
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 | SHEET 25 OF 55



LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	——·——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


MCMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT.

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

E 334,000 E 336,000 E 338,000 E 340,000 E 342,000

SCALE : 1"=400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR

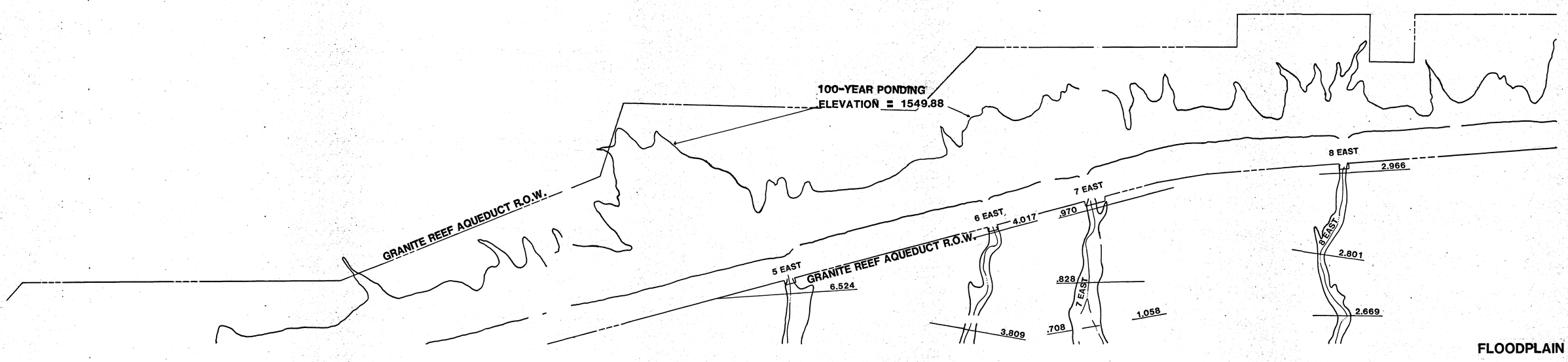
WITTMANN ADMS **MC-16**

AREA BETWEEN McMICKEN DAM & C.A.P.

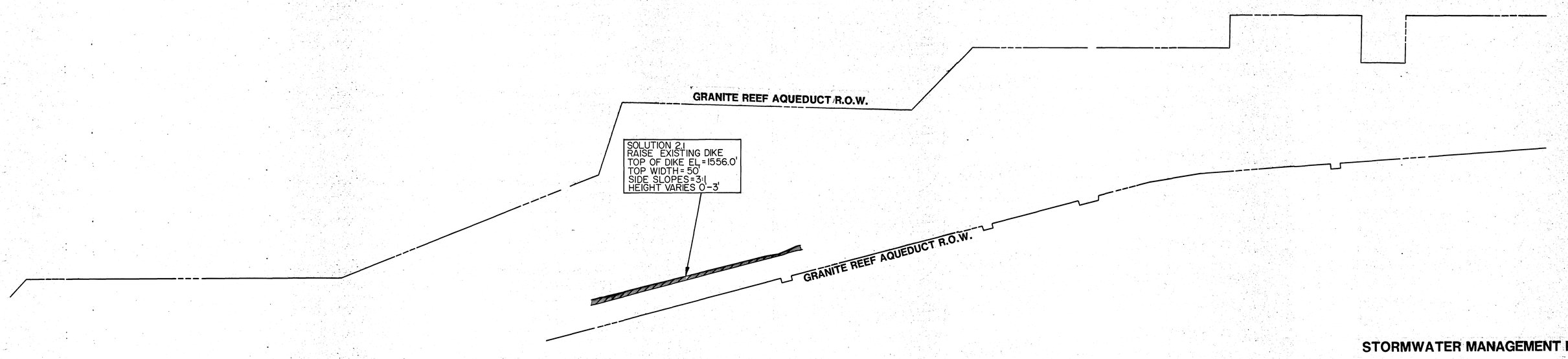
DATE FLOWN: 11-20-86 SHEET 26 OF 55

LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	—··—
ELEVATION REFERENCE MARK	RM10



FLOODPLAIN MAP



STORMWATER MANAGEMENT PLAN

E 338,000 | E 340,000 | E 342,000 | E 344,000 | E 346,000 | E 348,000 | E 350,000 | E 352,000

N 1,000,000 | N 998,000 | N 996,000 | N 994,000 | N 992,000

179TH AVE.

171ST AVE.

163rd AVENUE

DYNAMITE BLVD. (EXTENDED)

CITRUS RD.

COTTON LANE

SARIVAL AVE.

JOMAX RD. (EXTENDED)

RM 108

RM 179
PP-1501
1486.06

RM 180
PP-1008
1425.08

TANKS

27 | 26 | 25 | 30

34 | 35 | 36 | 31

3 | 2 | 1

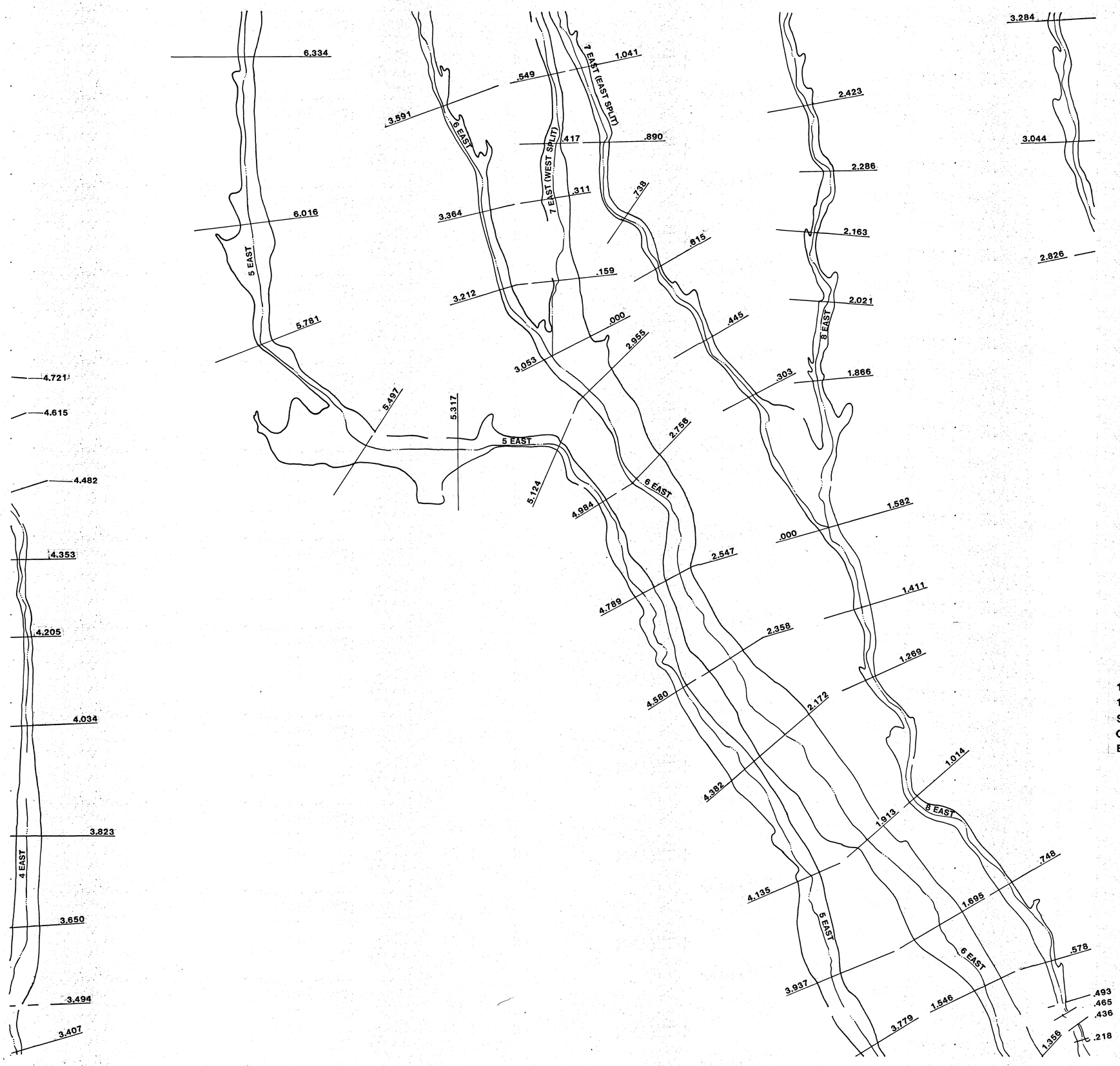
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

AREA BETWEEN McMICKEN DAM & C.A.P.
KEY MAP

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR WITTMANN ADMS MC-17
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 11-20-86 | SHEET 27 OF 55



LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

E 338,000 E 340,000 E 342,000 E 344,000 E 346,000 E 348,000 E 350,000 E 352,000

N 990,000 N 988,000 N 986,000 N 984,000 N 982,000 N 980,000

ATCHISON TOPEKA & SANTA FE RAILROAD

HAPPY VALLEY ROAD

PINNACLE PEAK ROAD

FAYE WAY

ENOCH DRIVE

AUDRY LANE

NORWICH DRIVE

CITRUS ROAD (179TH AVE.)

COTTON LANE (171ST AVE. EXTENDED)

(PROPOSED) DEER VALLEY RD.

LUKE AUXILARY FIELD NO. 2

No. 217 1419.79

No. 220 1402.04

No. 222 1390.55

No. 223 1389.48

No. 224 1388.71

3 2 1
10 11 12
15 14 13

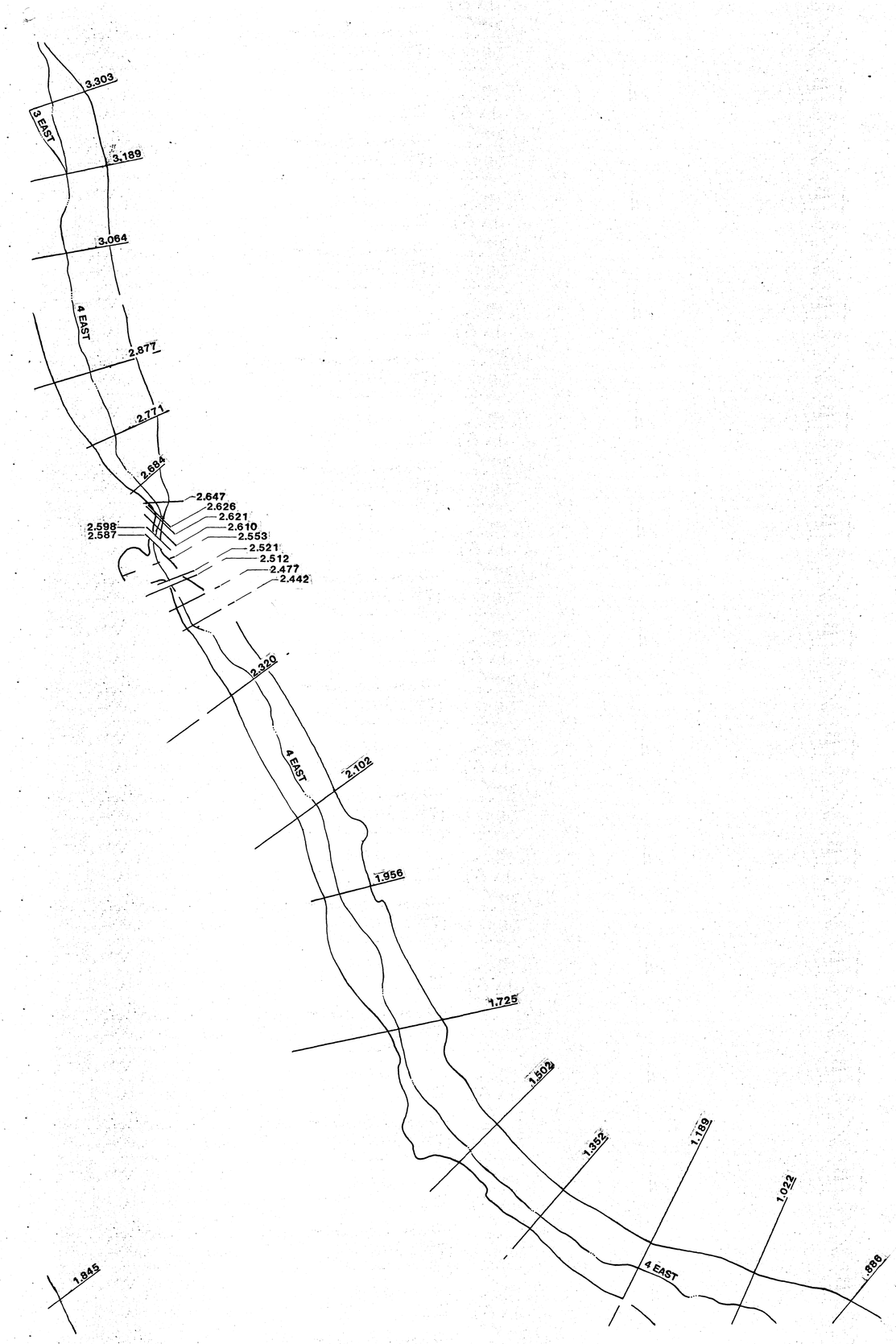
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

AREA BETWEEN McMICKEN DAM & C.A.P. KEY MAP

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING
FOR WITTMANN ADMS MC-18
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 11-20-86 SHEET 28 OF 55



LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

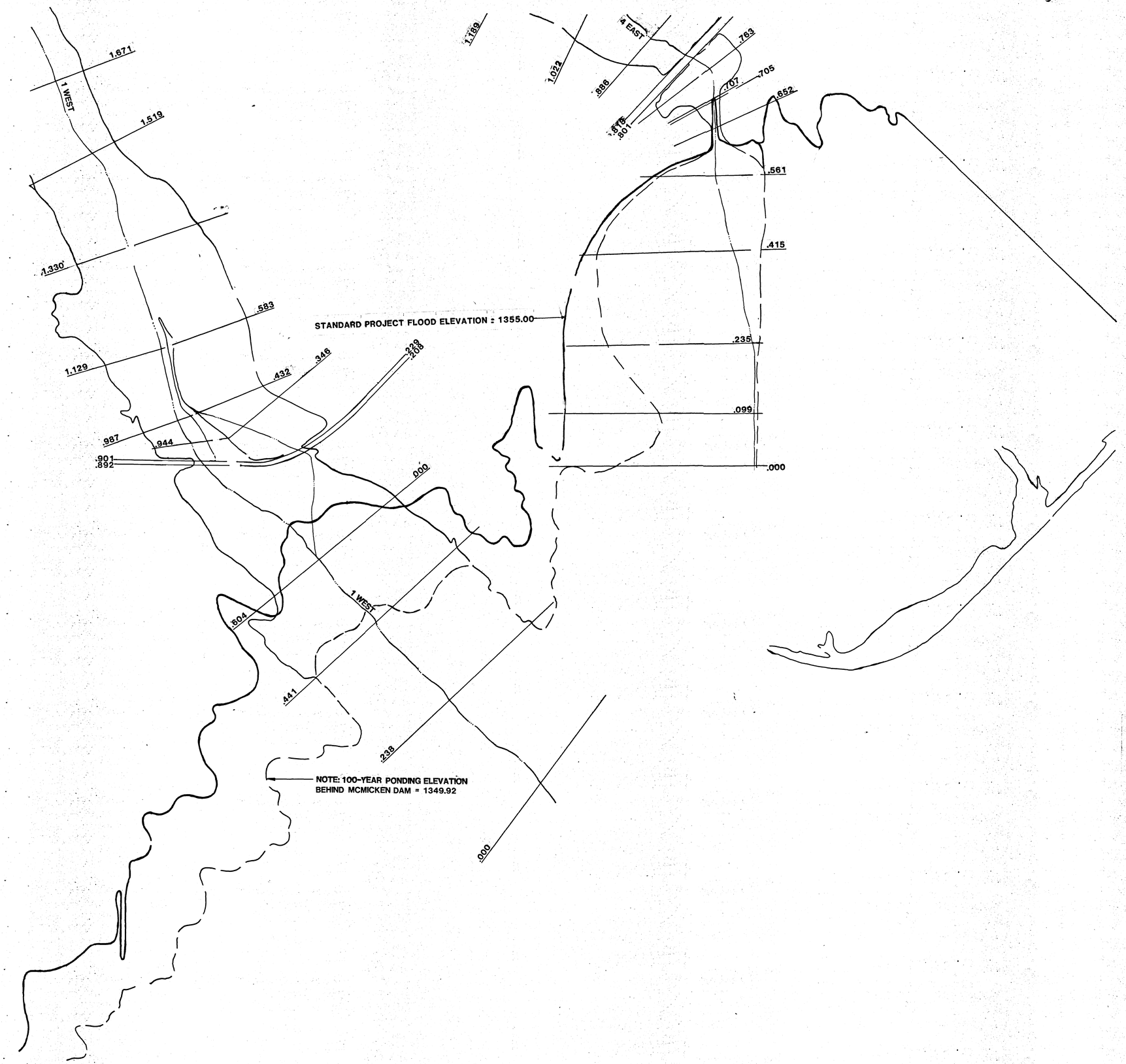
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

NOTE: SPOT ELEVATIONS ON TOP OF McMICKEN DAM WERE TAKEN FROM McMICKEN MONUMENT DATA BY ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS DATED 4-23-83.

SCALE: 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

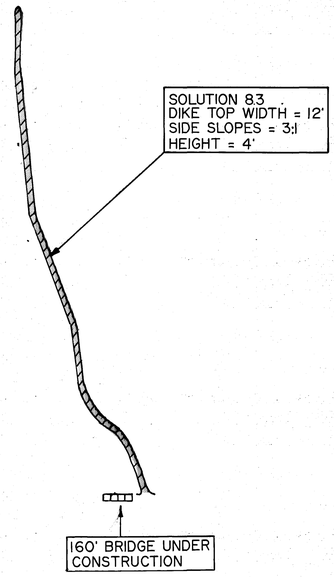
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR WITTMANN ADMS MC-19
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 12-11-86 SHEET 29 OF 55

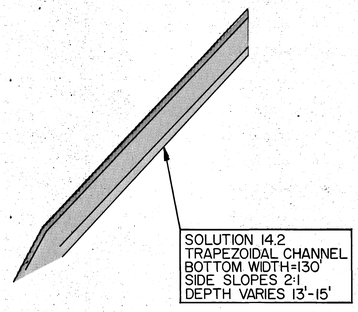


LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- STANDARD PROJECT FLOOD
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

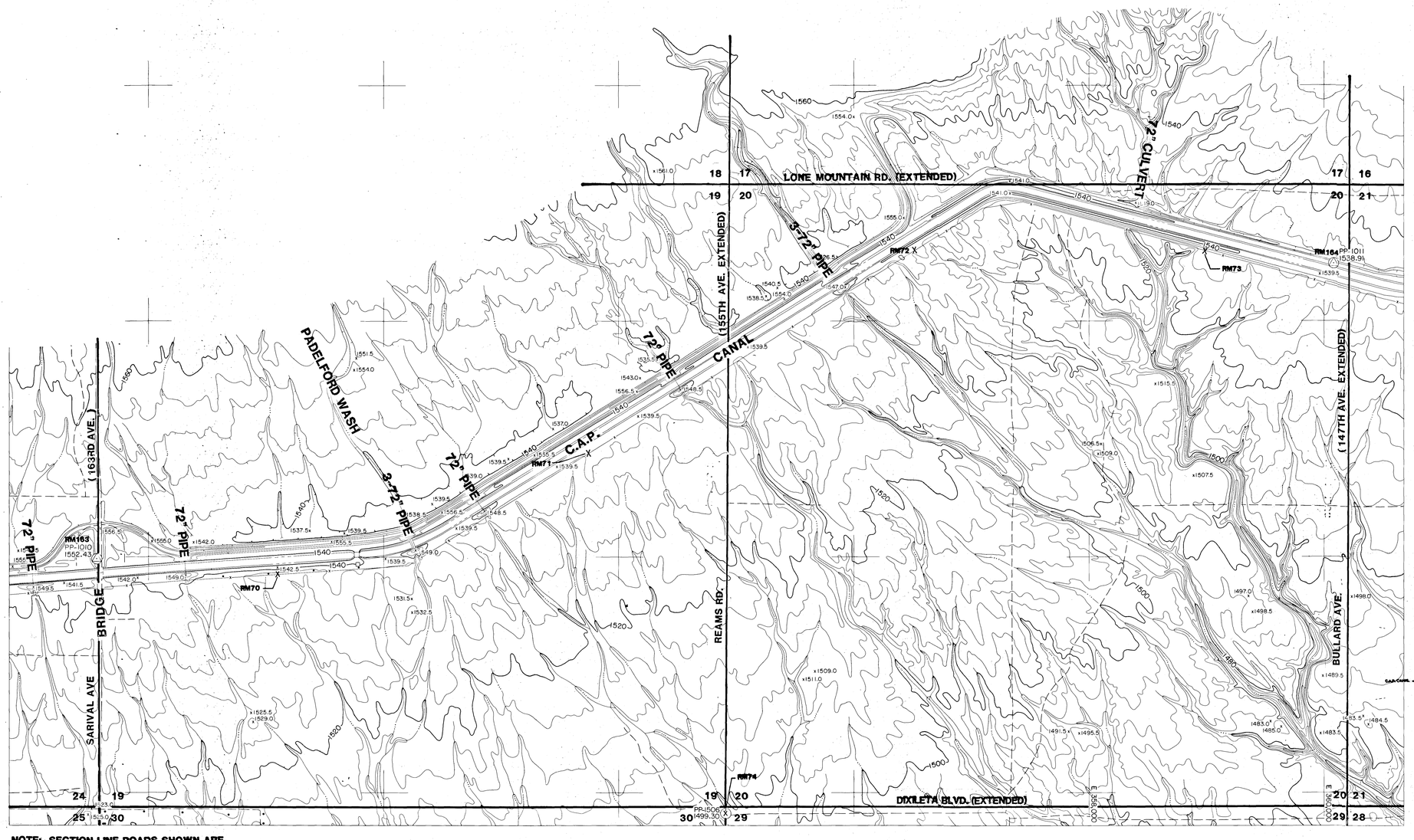

SOLUTION 8.3
DIKE TOP WIDTH = 12'
SIDE SLOPES = 3:1
HEIGHT = 4'
160' BRIDGE UNDER CONSTRUCTION

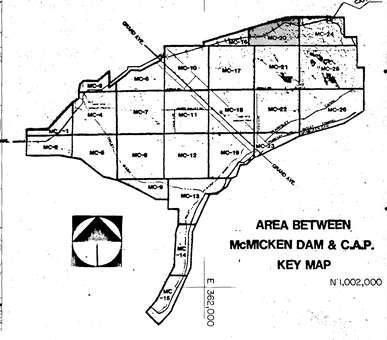

SOLUTION 14.2
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH=130'
SIDE SLOPES 2:1
DEPTH VARIES 13'-15'

EASEMENT

E 348,000 E 350,000 E 352,000 E 354,000 E 356,000 E 358,000 E 360,000 E 362,000

N 1,012,000 N 1,010,000 N 1,008,000 N 1,006,000 N 1,004,000 N 1,002,000





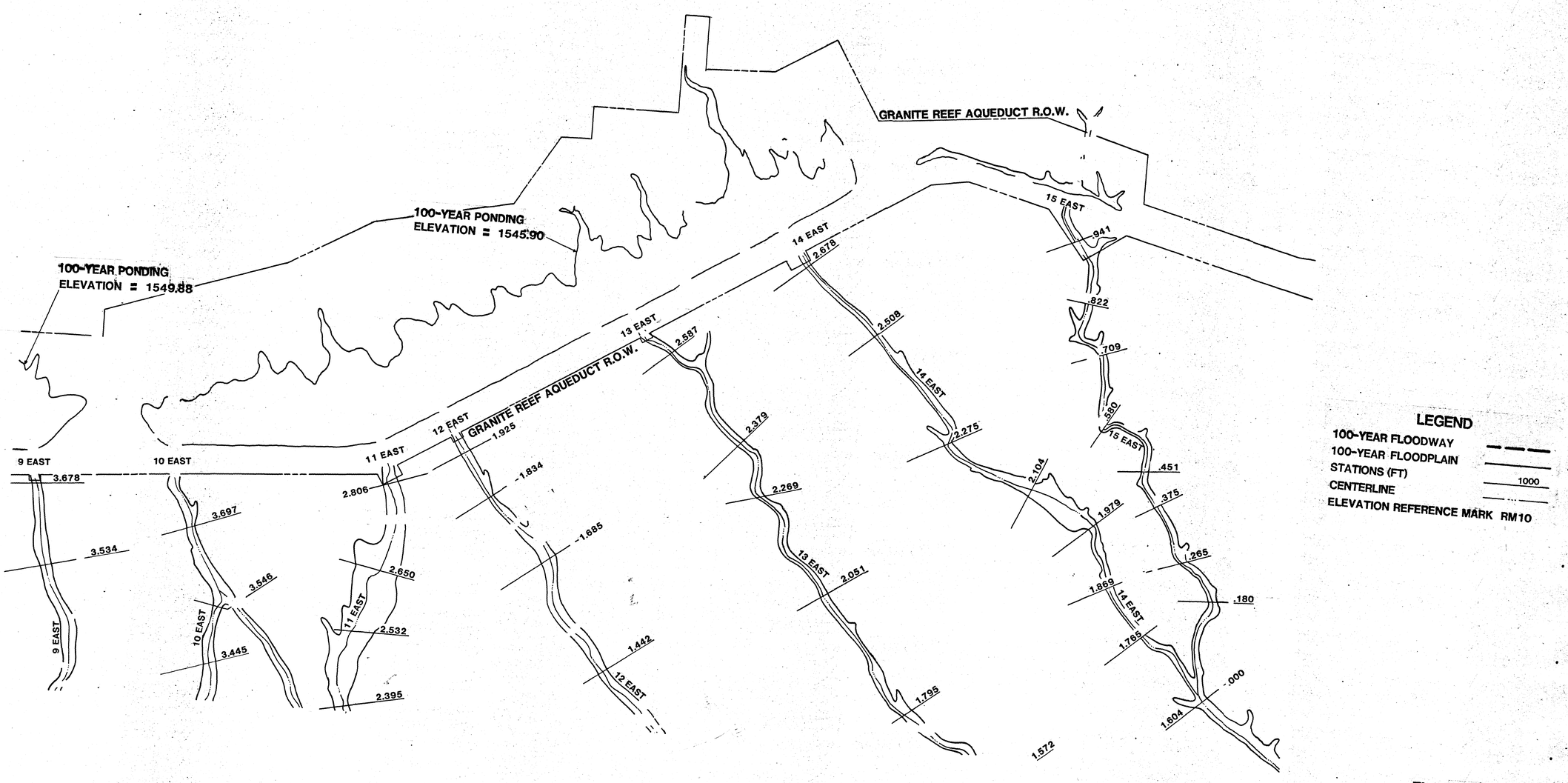
AREA BETWEEN
McMICKEN DAM & C.A.P.
KEY MAP

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-20
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 11-20-86 | SHEET 30 OF 55



FLOODPLAIN MAP

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS **MC-21**
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: **11-20-86** SHEET **31** OF **55**

FLOODPLAIN MAP

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

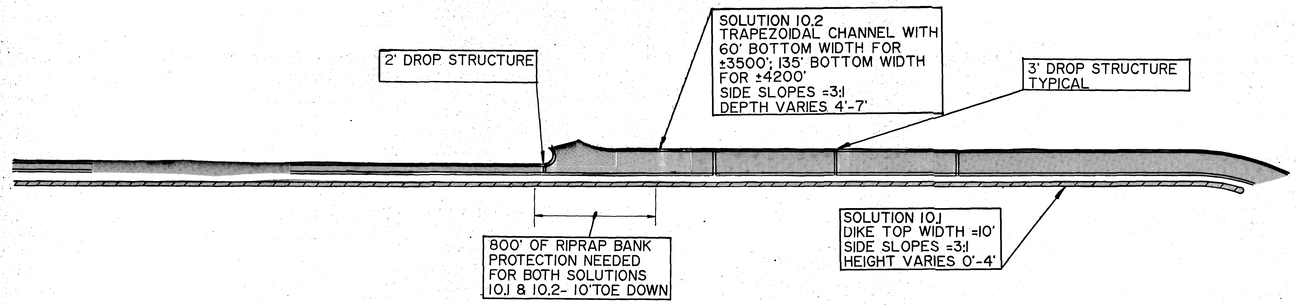
The WLB Group Inc.

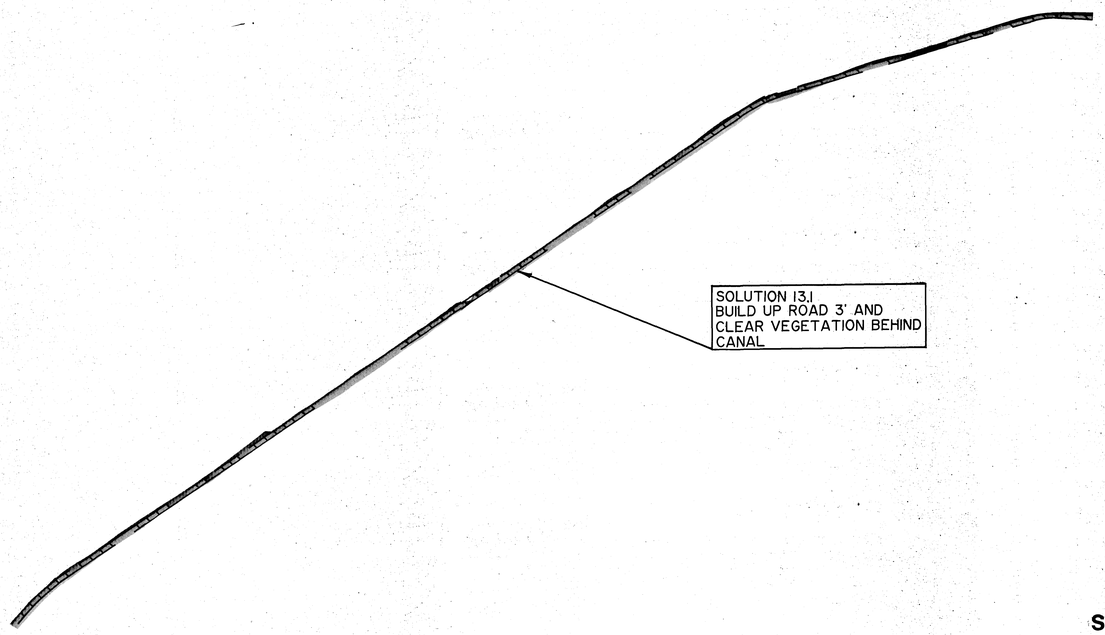
Cooper Aerial Survey Co.

AREA BETWEEN McMICKEN DAM & C.A.P. KEY MAP

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY	
AERIAL MAPPING FOR WITTMANN ADMS	**MC-22**
AREA BETWEEN McMICKEN DAM & C.A.P.	
DATE FLOWN: 11-20-86	SHEET 32 OF 55

FLOODPLAIN MAP


2' DROP STRUCTURE
SOLUTION 10.2
TRAPEZOIDAL CHANNEL WITH
60' BOTTOM WIDTH FOR
±3500; 135' BOTTOM WIDTH
FOR ±4200'
SIDE SLOPES =3:1
DEPTH VARIES 4'-7'
3' DROP STRUCTURE
TYPICAL
800' OF RIPRAP BANK
PROTECTION NEEDED
FOR BOTH SOLUTIONS
10.1 & 10.2- 10'TOE DOWN
SOLUTION 10.1
DIKE TOP WIDTH =10'
SIDE SLOPES =3:1
HEIGHT VARIES 0'-4'


SOLUTION 13.1
BUILD UP ROAD 3' AND
CLEAR VEGETATION BEHIND
CANAL

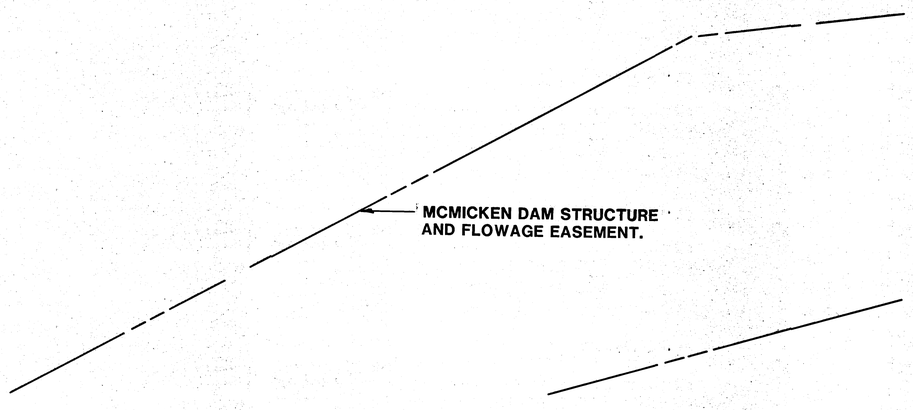


EXHIBIT
32C

E 348,000 E 350,000 E 352,000 E 354,000 E 356,000 E 358,000 E 360,000 E 362,000

N 980,000 N 978,000 N 976,000 N 974,000 N 972,000 N 970,000

No. 226
1355.41

(163RD AVE.)

SARIVAL AVE.

BEARDSLEY CANAL

RM85

DAM

McMICKEN OUTLET CHANNEL

(155TH AVE. EXTENDED)

REEMS RD.

17

No. 230
1334.82

ATCHISON TOPEKA & SANTA FE RAILROAD

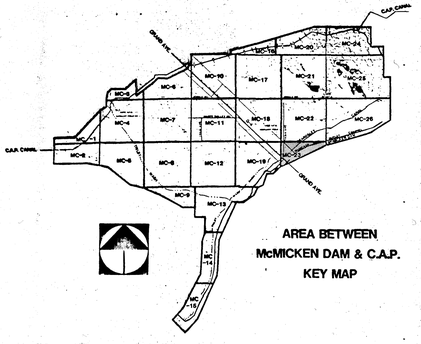
GRAND AVENUE (U.S. 60 & U.S. 89)

RM86

No. 229
1337.40

13 18 DEER VALLEY RD. (EXTENDED)

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

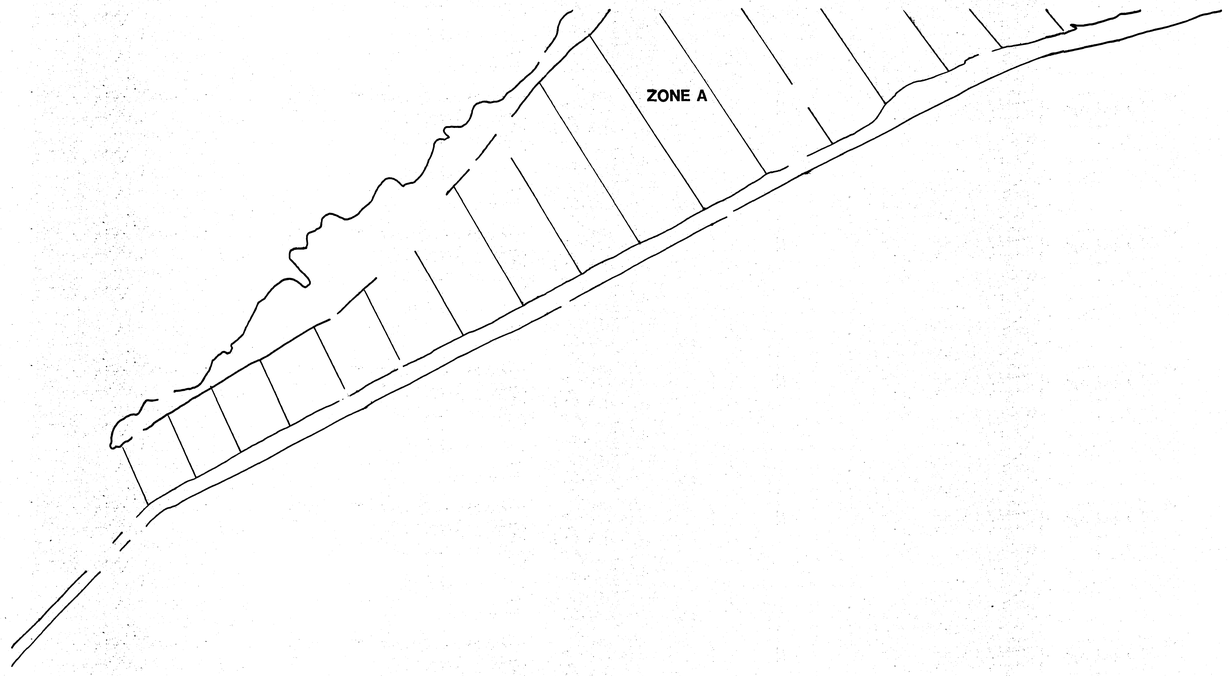


AREA BETWEEN
McMICKEN DAM & C.A.P.
KEY MAP

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

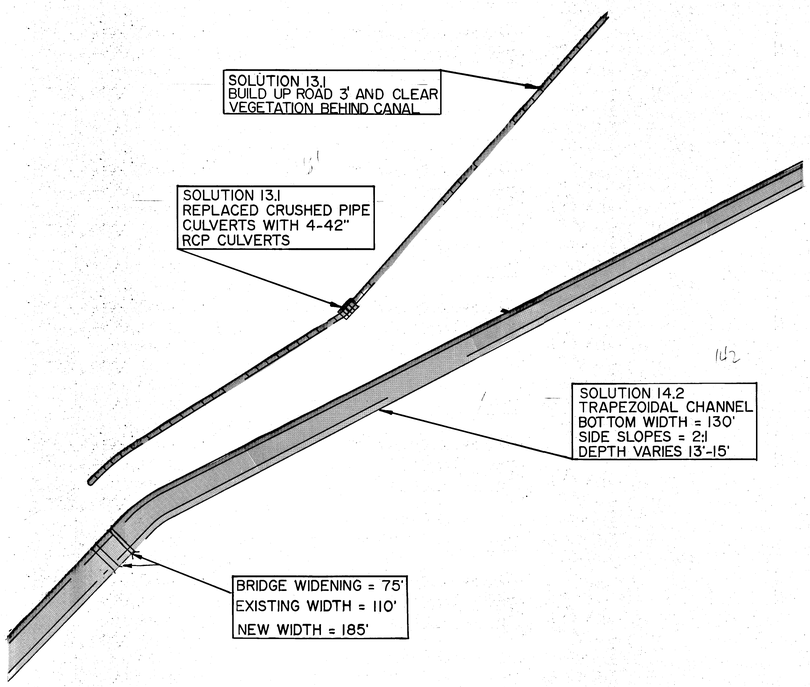
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-23
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN: 11-20-86 | SHEET 33 OF 55

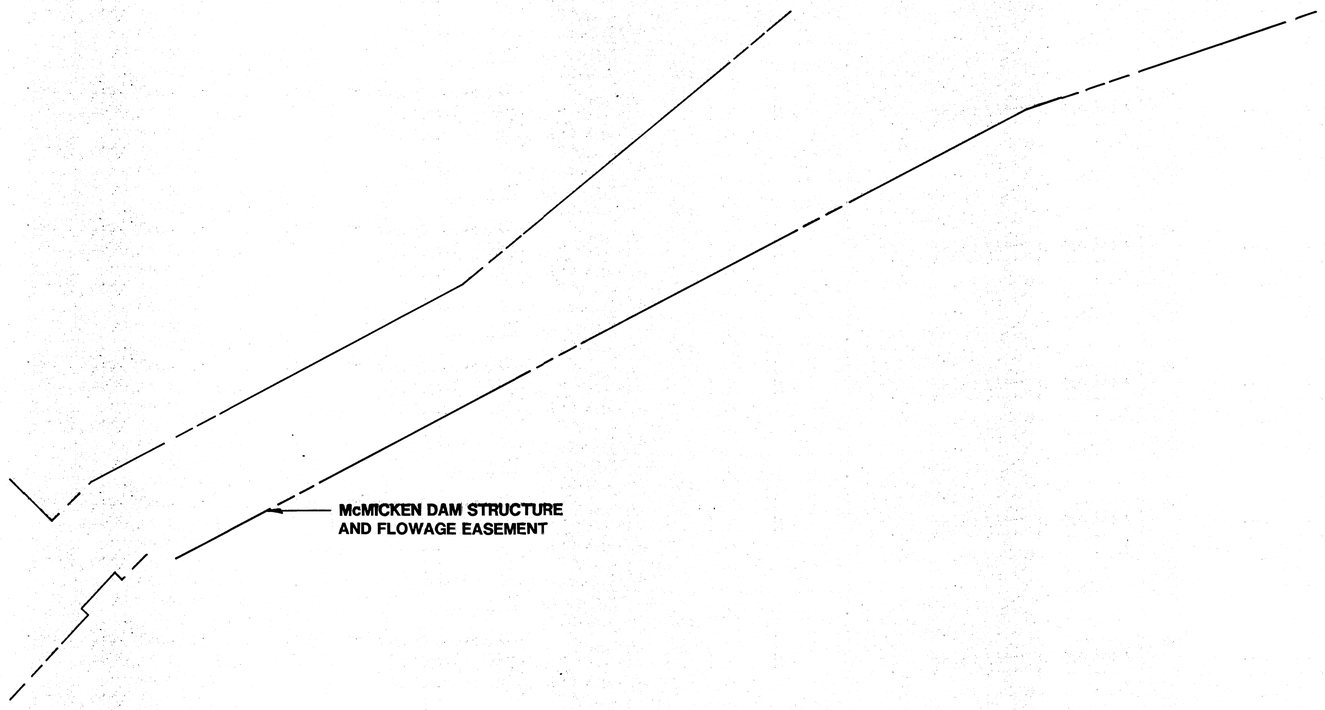


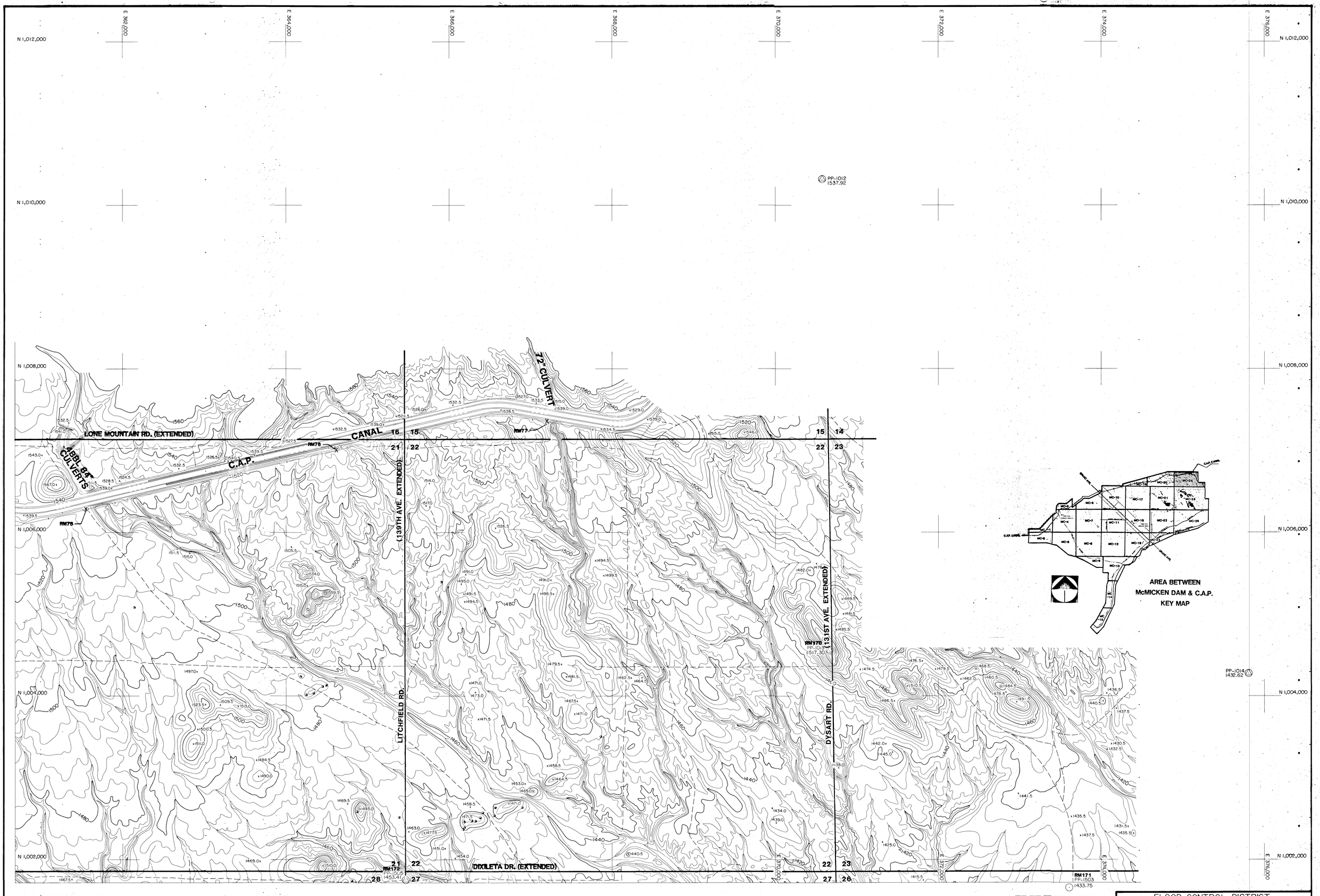
LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	————
STATIONS (FT)	1000
CENTERLINE	——·—·——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


SOLUTION 13.1
BUILD UP ROAD 3' AND CLEAR VEGETATION BEHIND CANAL
SOLUTION 13.1
REPLACED CRUSHED PIPE CULVERTS WITH 4-42" RCP CULVERTS
SOLUTION 14.2
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 130'
SIDE SLOPES = 2:1
DEPTH VARIES 13'-15'
BRIDGE WIDENING = 75'
EXISTING WIDTH = 110'
NEW WIDTH = 185'


McMICKEN DAM STRUCTURE
AND FLOWAGE EASEMENT



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 400'

400 200 0 400 800

CONTOUR INTERVAL 4 FEET

The WLB Group Inc.

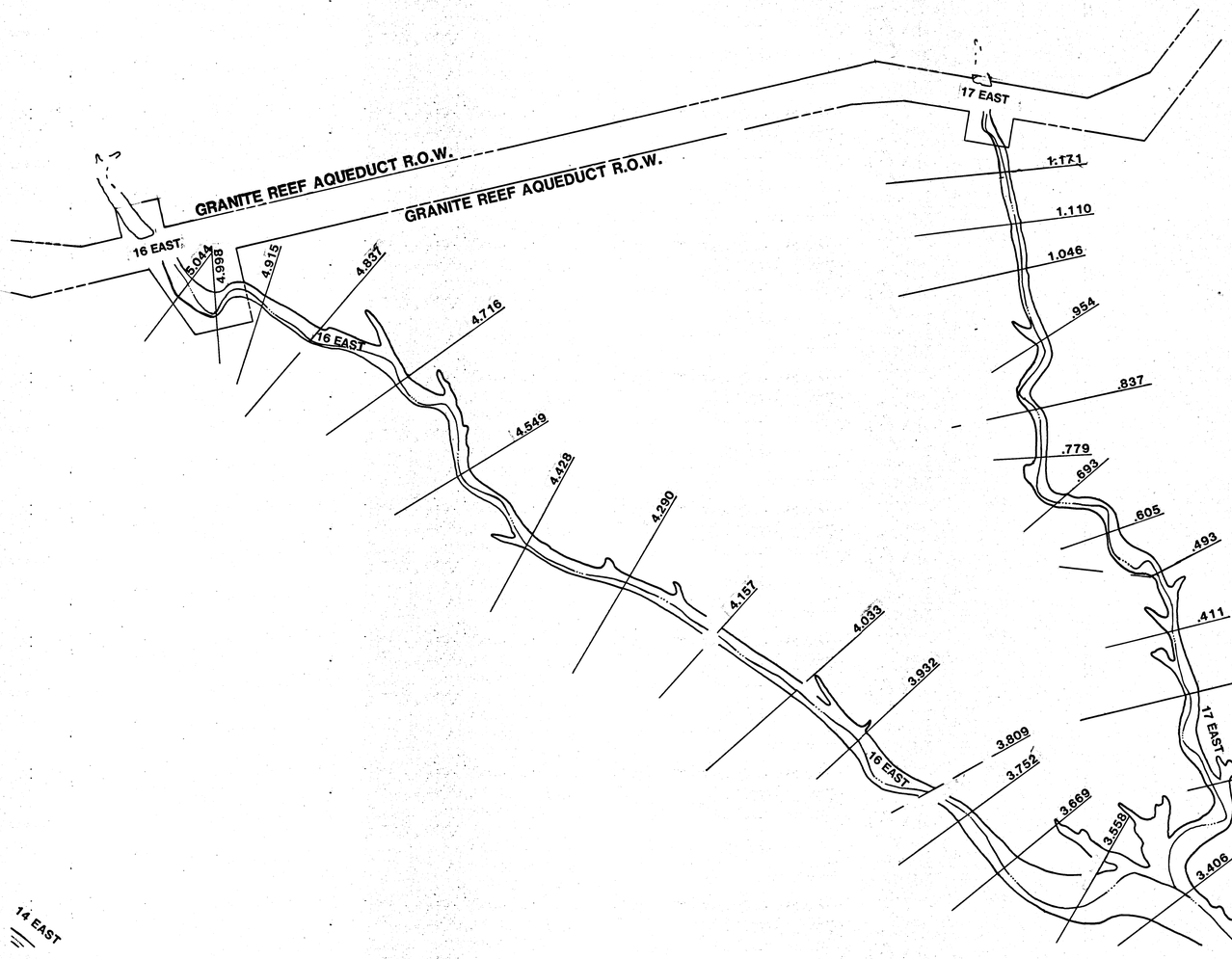
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS MC-24

AREA BETWEEN McMICKEN DAM & C.A.P.

DATE FLOWN: 11-20-86 | SHEET 34 OF 55



LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN MAP

RM172
PP-1505
1453.41

RM78
PP-1508
1446.38

PP-1503
1433.75
RM171

RM173
PP-1504
1384.10

RM175
PP-1006
1437.60

RM174
PP-1005
1347.02

RM79

DIXILETA DR.

(131ST AVE. EXTENDED)

(139TH AVE. EXTENDED)

LITCHFIELD RD.

DYSART RD.

(123RD AVE. EXTENDED)

EL MIRAGE RD.

JOMAX ROAD

BEARDSLEY CANAL

LAKE BONITA

Stereo El.
1383.5

N 1,000,000
N 998,000
N 996,000
N 994,000
N 992,000

E 362,000
E 364,000
E 366,000
E 368,000
E 370,000
E 372,000
E 374,000
E 376,000

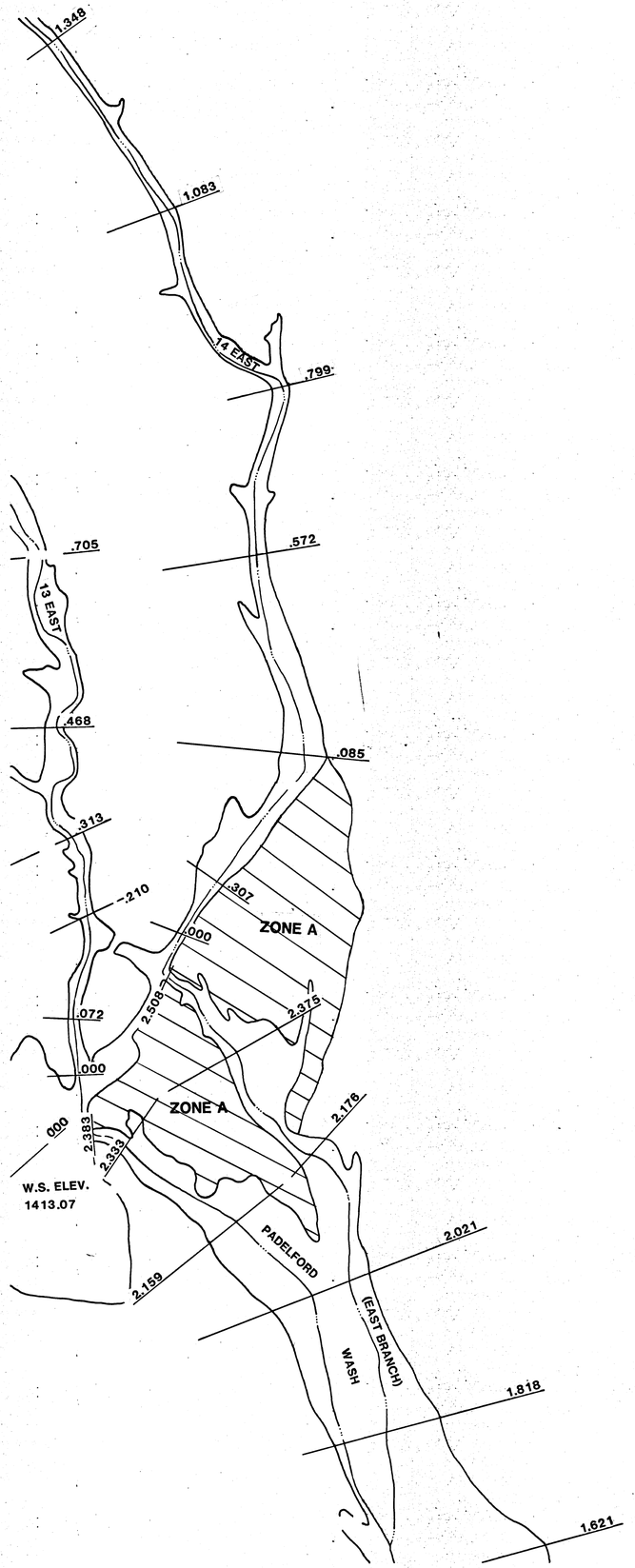
AREA BETWEEN
McMICKEN DAM & C.A.P.
KEY MAP

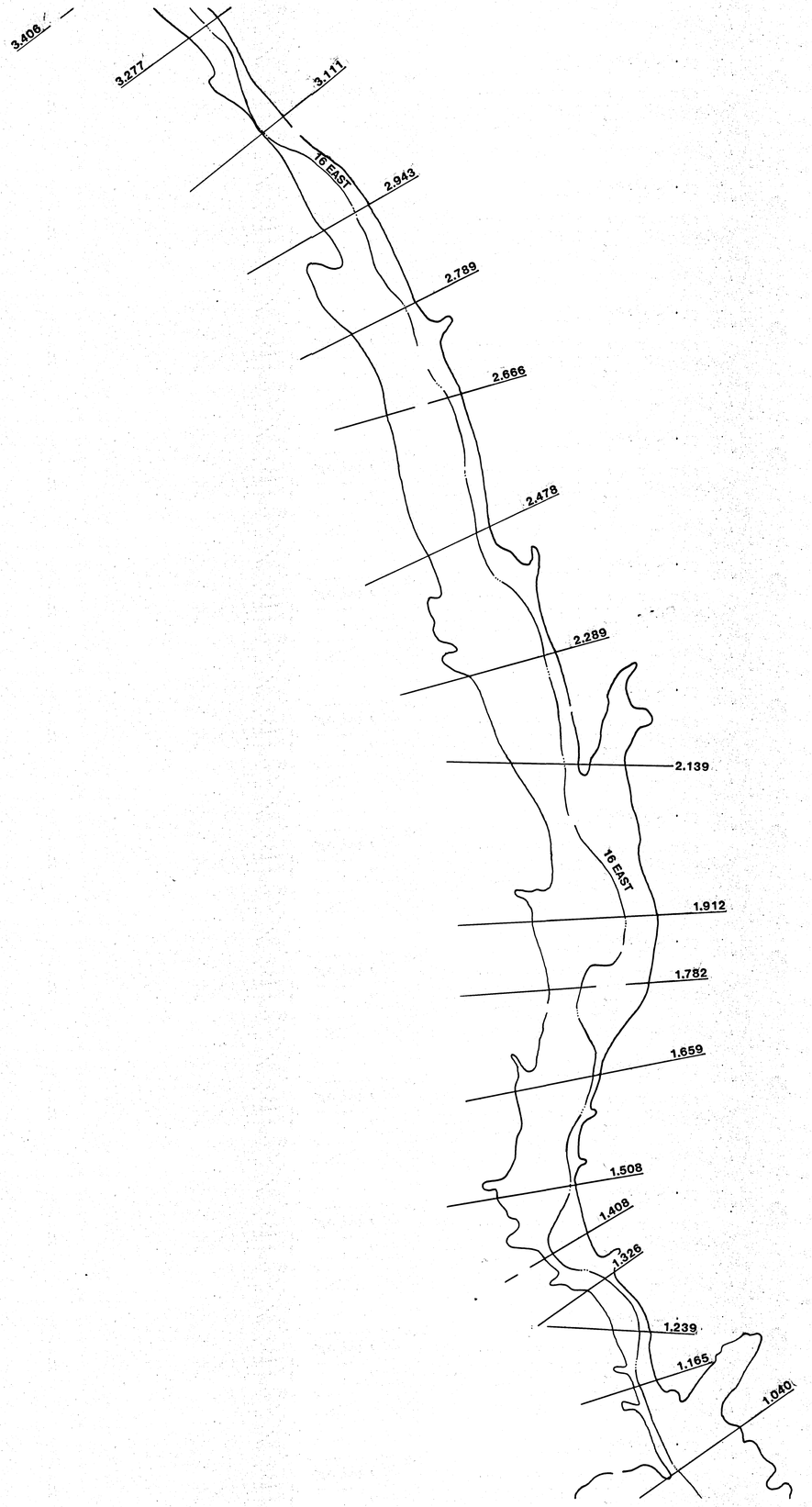
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE : 1"=400'
400 200 0 400 800
CONTOUR INTERVAL 4 FEET

The WLB Group Inc.
WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS MC-25
AREA BETWEEN McMICKEN DAM & C.A.P.
DATE FLOWN 11-20-86 | SHEET 35 OF 55

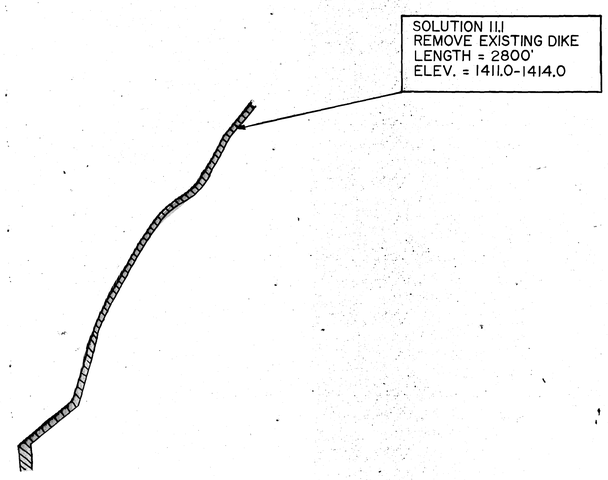


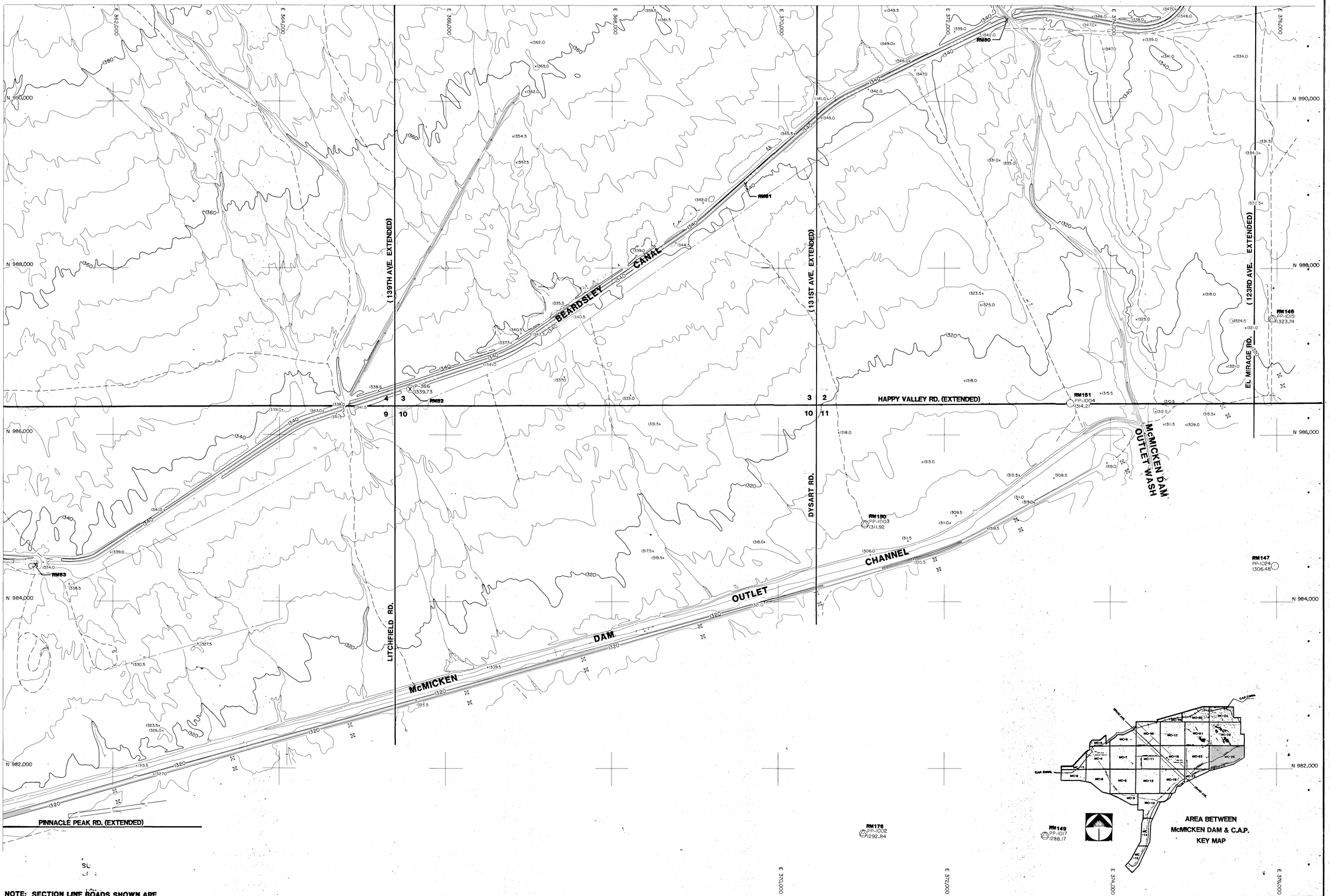


LEGEND

100-YEAR FLOODWAY	
100-YEAR FLOODPLAIN	
STATIONS (FT)	1000
CENTERLINE	
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN MAP


SOLUTION 11.1
REMOVE EXISTING DIKE
LENGTH = 2800'
ELEV. = 1411.0-1414.0



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE 1"=400'

CONTOUR INTERVAL 4 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

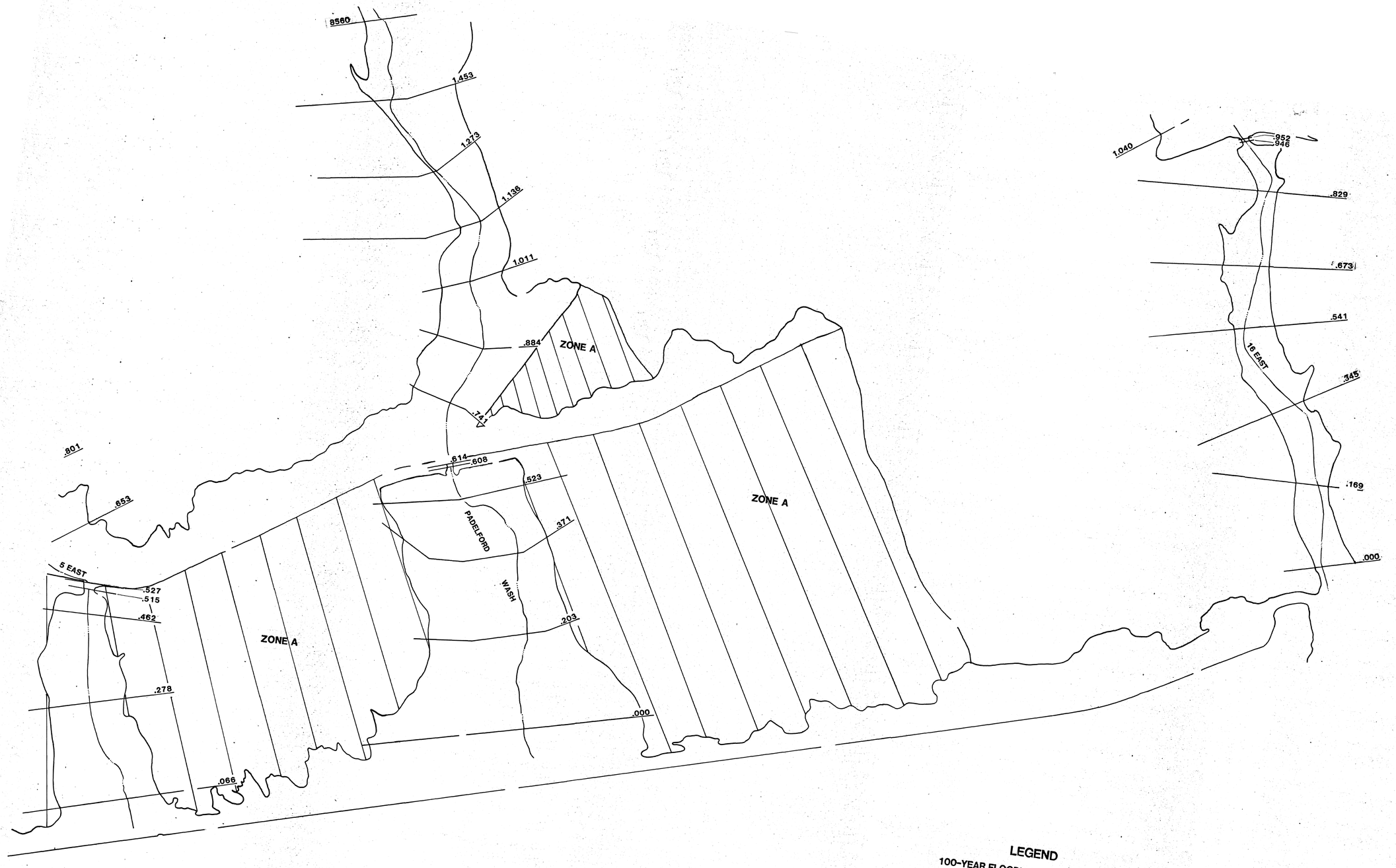
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

MC-26

AREA BETWEEN McMICKEN DAM & C.A.P.

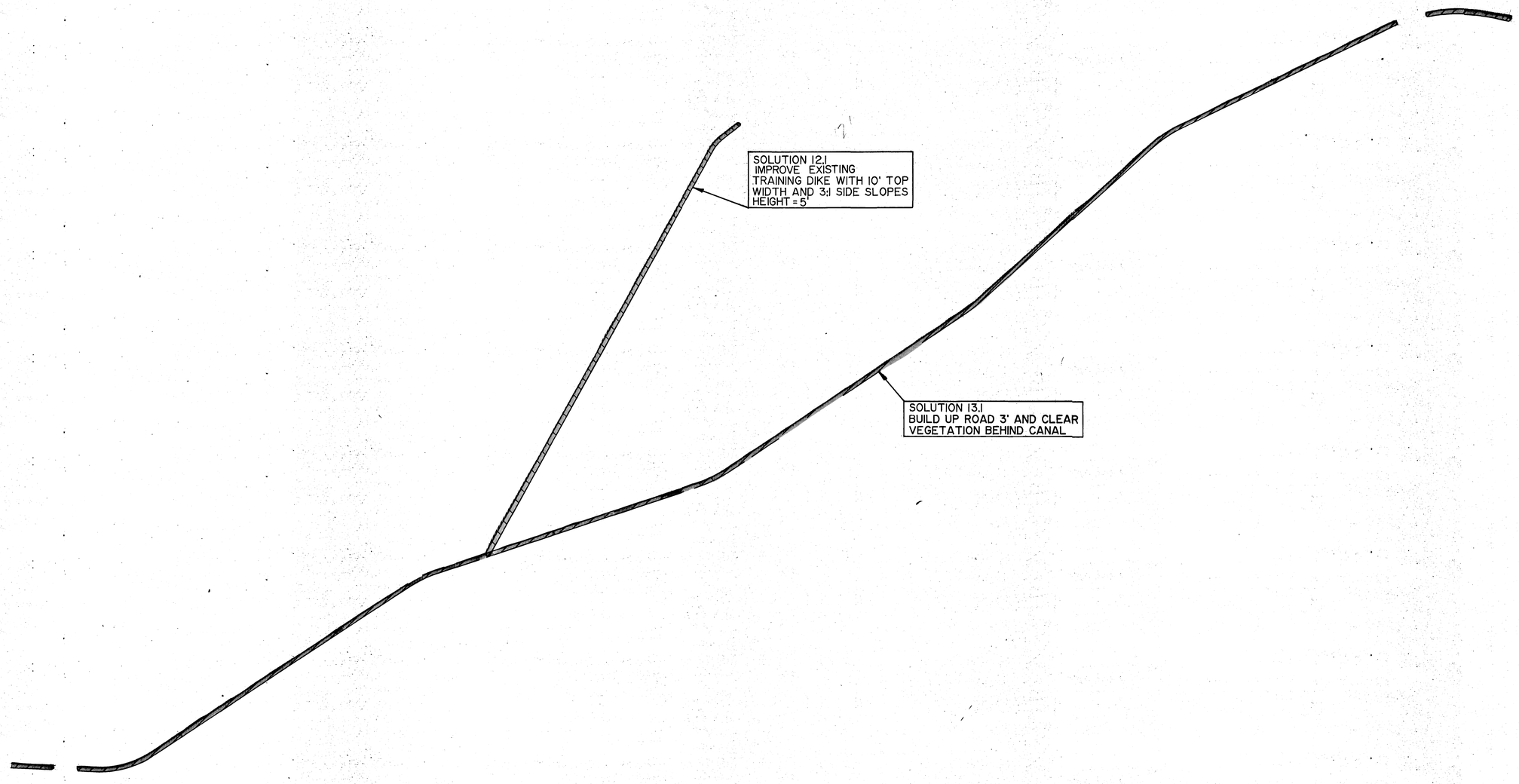
DATE FLOWN: 11-20-86 | SHEET 36 OF 55

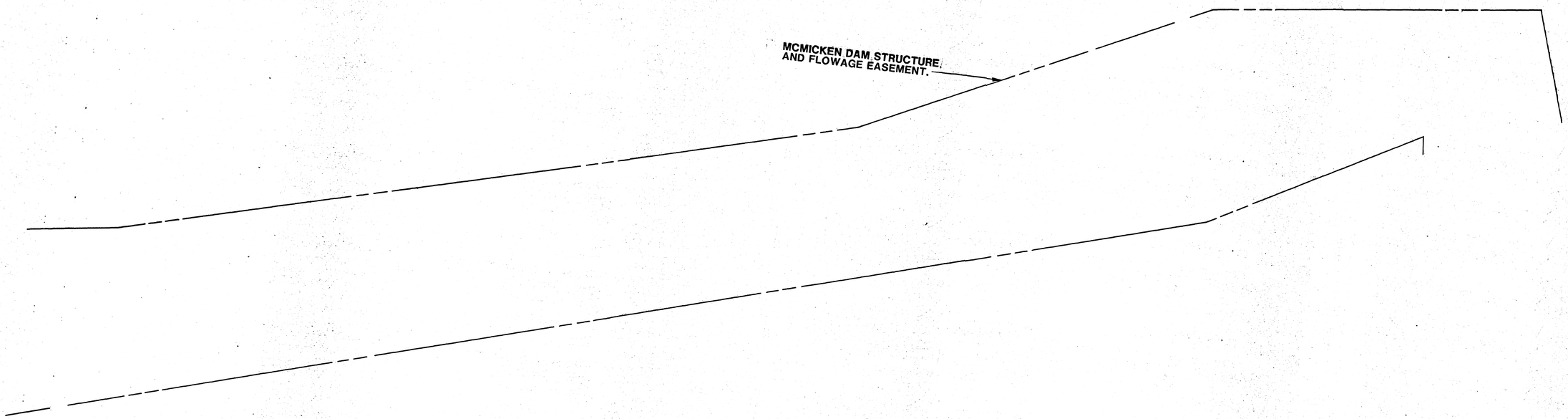


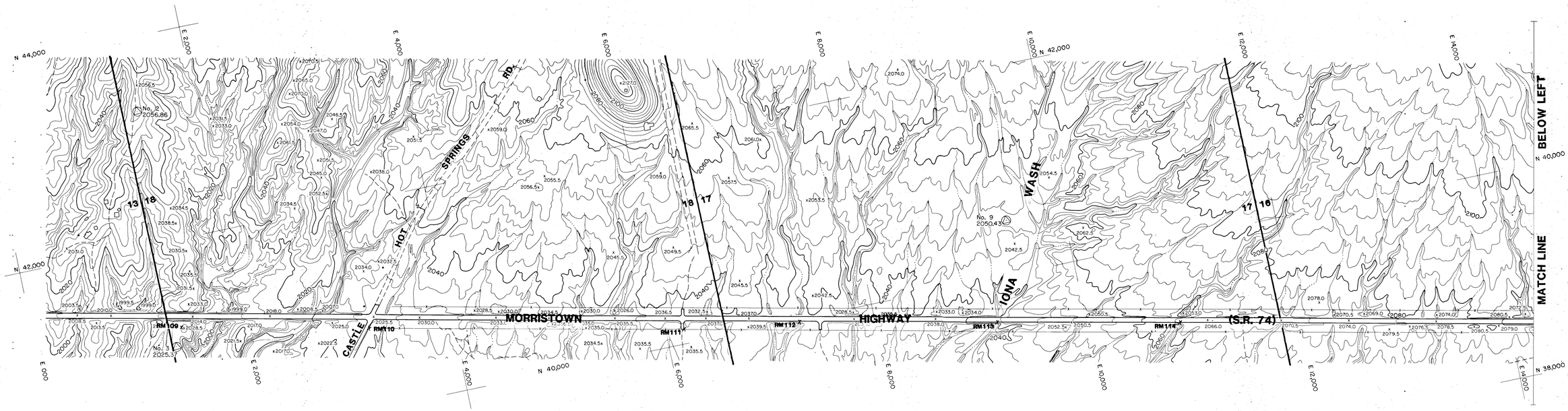
LEGEND

100-YEAR FLOODWAY	
100-YEAR FLOODPLAIN	
STATIONS (FT)	
CENTERLINE	1000
ELEVATION REFERENCE MARK RM10	

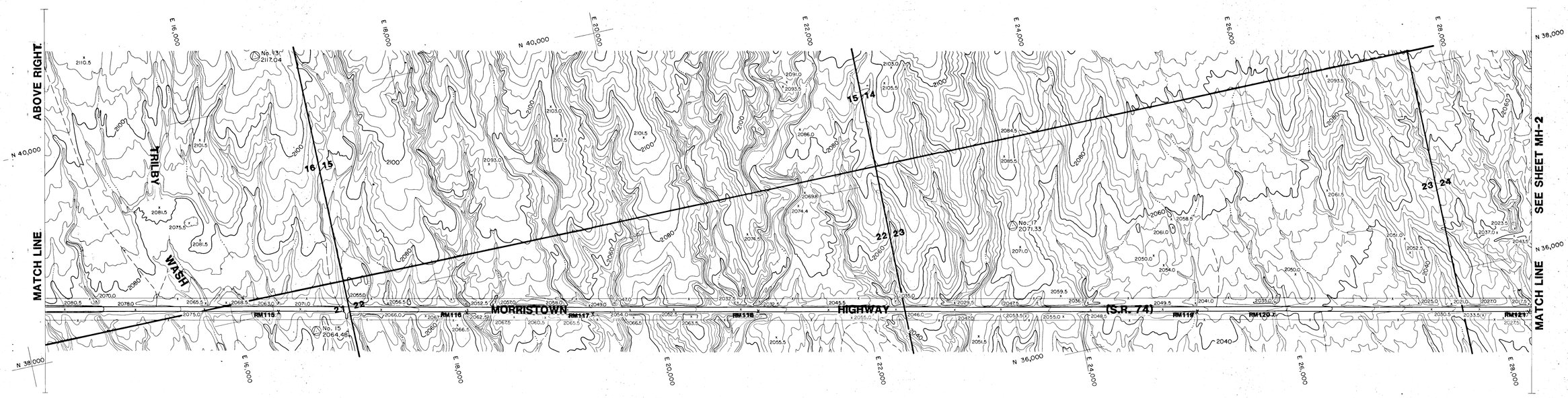
FLOODPLAIN MAP


SOLUTION 12.1
IMPROVE EXISTING
TRAINING DIKE WITH 10' TOP
WIDTH AND 3:1 SIDE SLOPES
HEIGHT = 5'
SOLUTION 13.1
BUILD UP ROAD 3' AND CLEAR
VEGETATION BEHIND CANAL


MCMICKEN DAM STRUCTURE,
AND FLOWAGE EASEMENT.

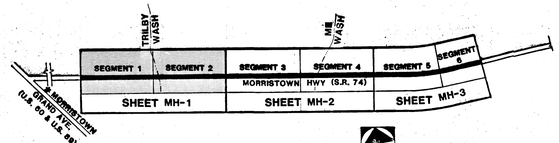


SEGMENT 1



SEGMENT 2

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.



MORRISTOWN HIGHWAY KEY MAP

SCALE: 1"=400'

800 400 0 200 400

CONTOUR INTERVAL: 4 FOOT

C.A.S. No. 860746

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR

WITTMANN ADMS MH-1

MORRISTOWN HIGHWAY

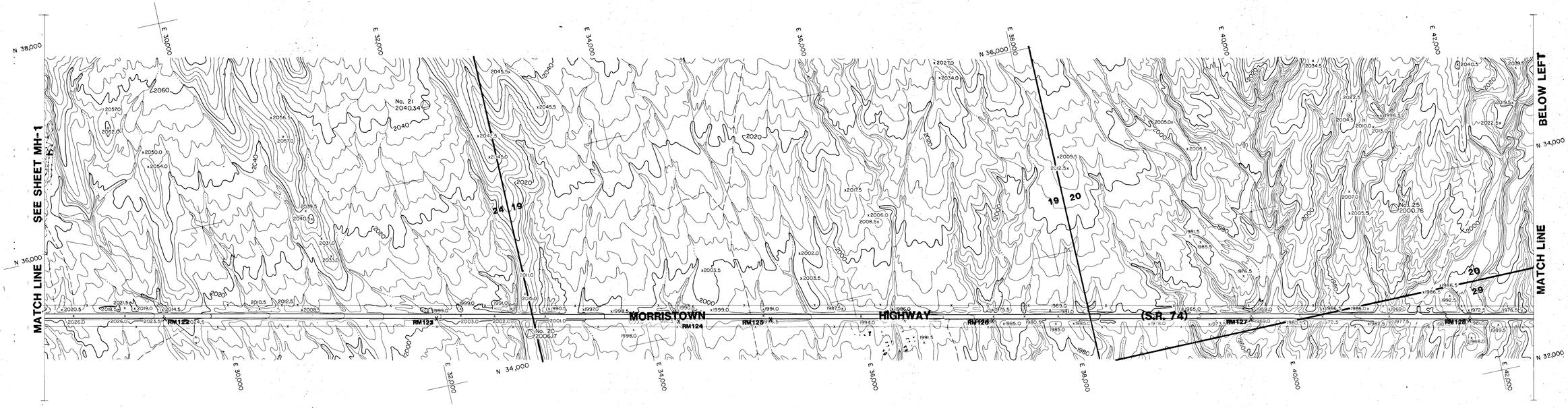
DATE FLOWN: 8-8-86 | SHEET 37 OF 55

FLOODPLAIN MAP

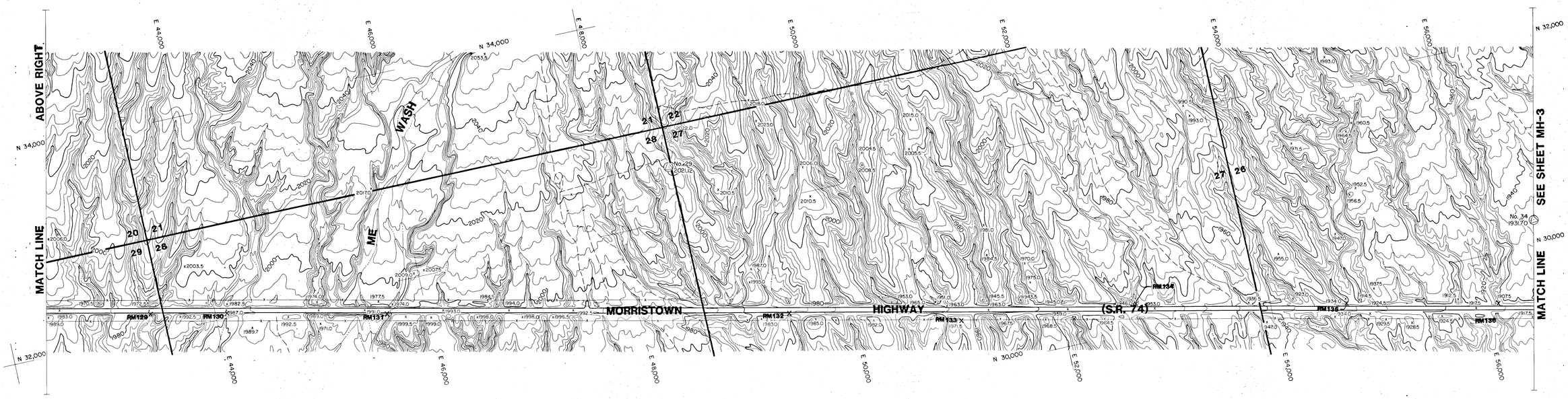
LEGEND

100-YEAR PONDING LIMIT ————

ELEVATION REFERENCE MARK RM10

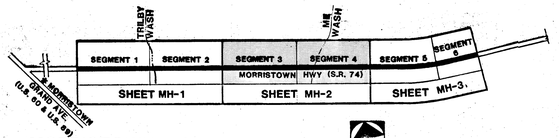


SEGMENT 3



SEGMENT 4

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

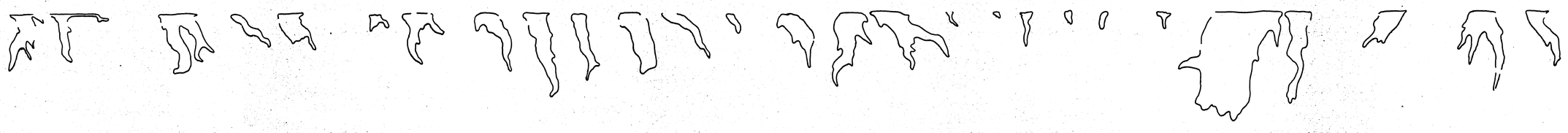


MORRISTOWN HIGHWAY KEY MAP

SCALE: 1"=400'
800 400 0 200 400
CONTOUR INTERVAL: 4 FOOT
C.A.S. No. 860746

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS MH-2
MORRISTOWN HIGHWAY
DATE FLOWN: 8-8-86 | SHEET 38 OF 55

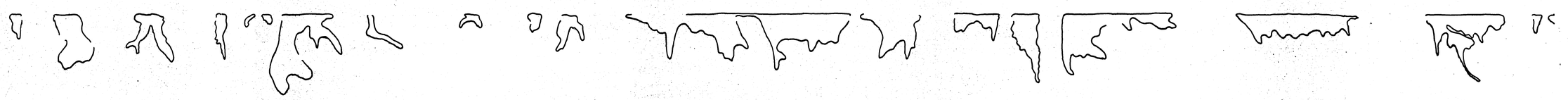


LEGEND

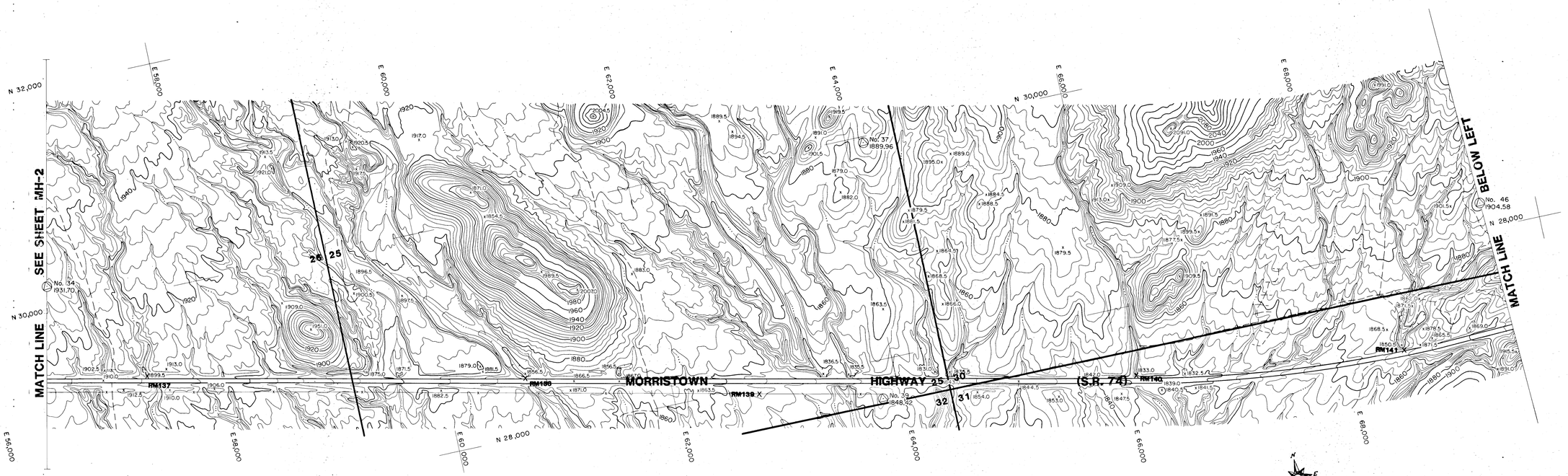
100-YEAR PONDING LIMIT

ELEVATION REFERENCE MARK RM10

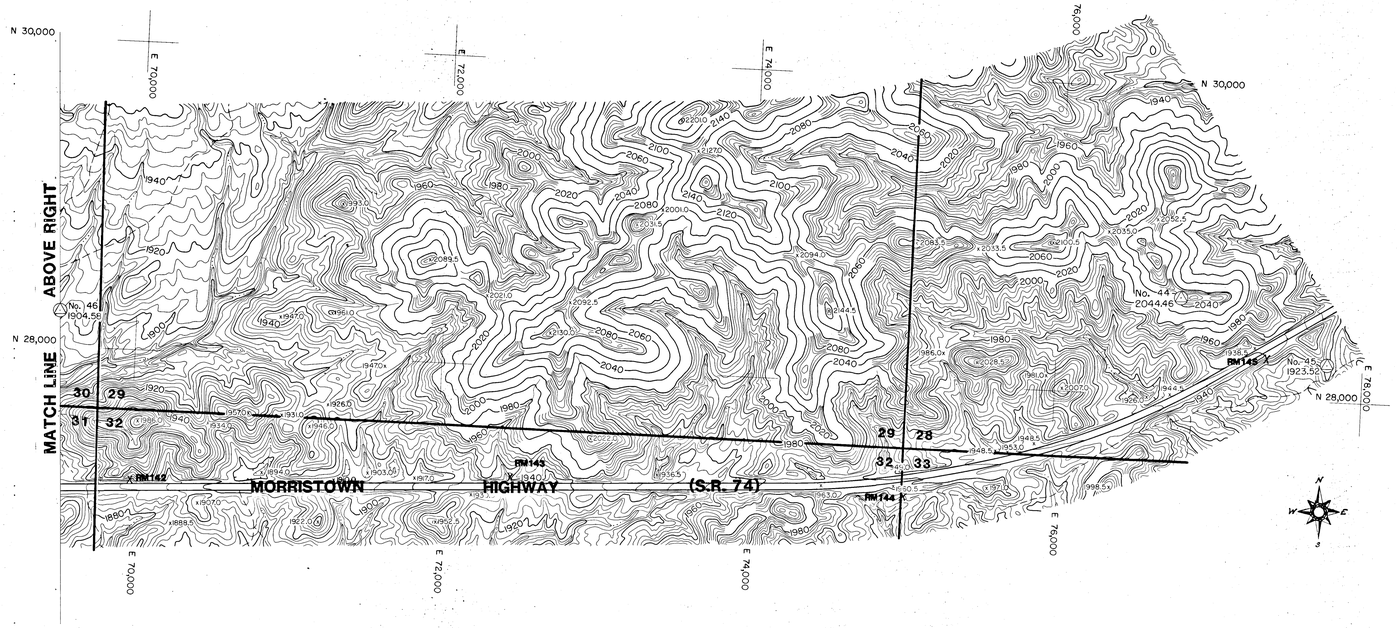
FLOODPLAIN MAP



38A

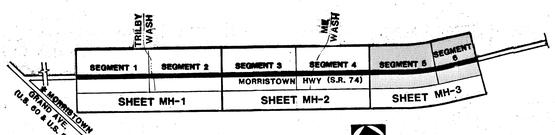


SEGMENT 5



SEGMENT 6

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.



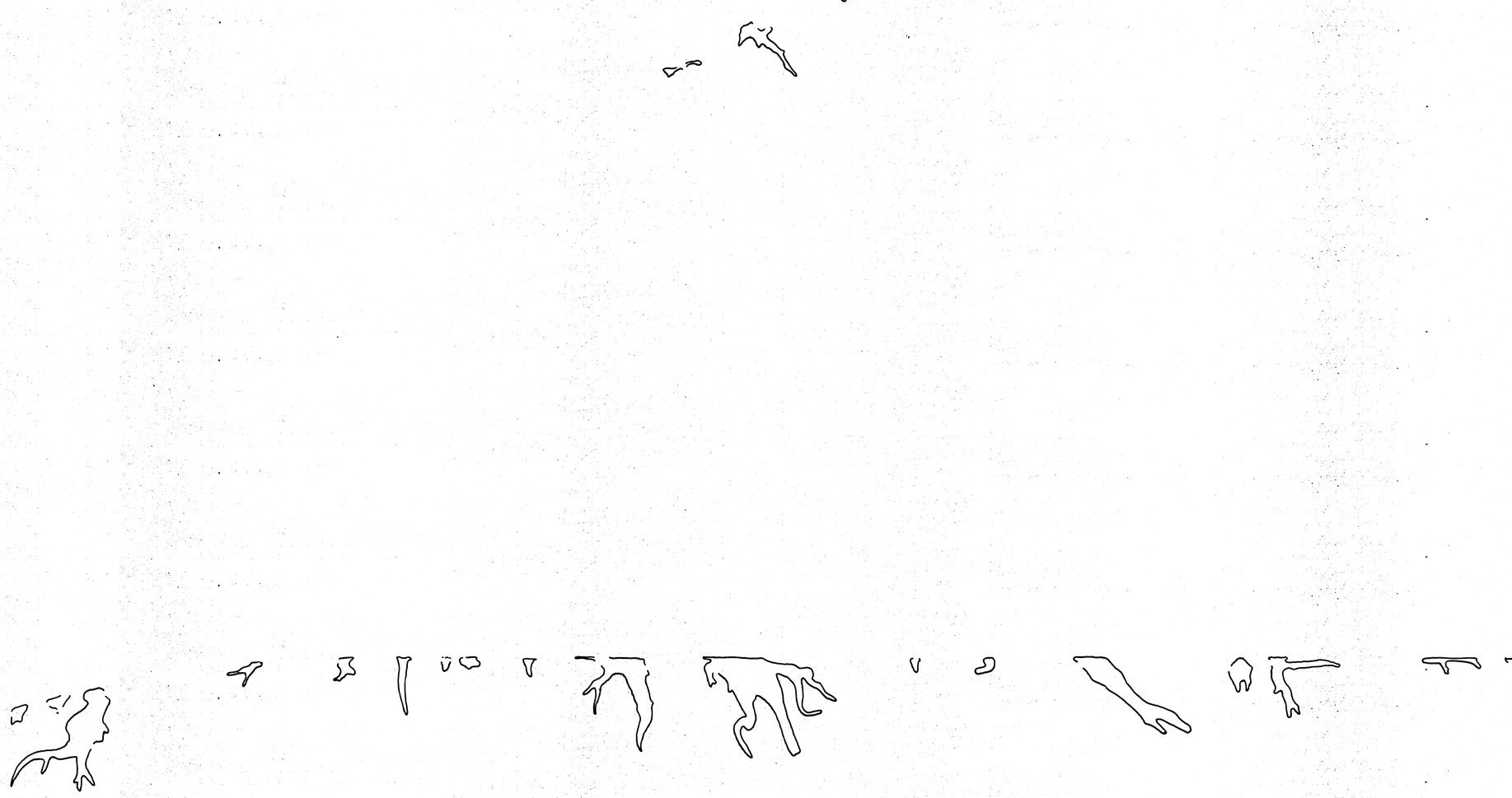
MORRISTOWN HIGHWAY KEY MAP

SCALE: 1"=400'
800 400 0 200 400
CONTOUR INTERVAL 4 FOOT
C.A.S. No. 860746

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS MH-3
MORRISTOWN HIGHWAY
DATE FLOWN: 8-8-86 | SHEET 39 OF 55

FLOODPLAIN MAP



LEGEND

100-YEAR PONDING LIMIT

ELEVATION REFERENCE MARK RM10

E 314,000 E 316,000 E 318,000 E 320,000 E 322,000 E 324,000 E 326,000 E 328,000

N 1,002,000 N 1,000,000 N 998,000 N 996,000 N 994,000 N 992,000

MATCH TO SHEET PC-2

ATCHISON TOPEKA & SANTA FE RAILROAD

GRAND AVENUE

211TH AVE. (EXTENDED)

203RD AVENUE

PATTON ROAD

GRANITE REEF AQUEDUCT R.O.W.

C.A.P. CANAL

CAP 1 WEST CONCRETE OVERCHUTE

CAP 2 WEST CONCRETE OVERCHUTE

GRANITE REEF AQUEDUCT R.O.W.

No. 145 1570.01

No. 4 1562.22

No. 150 1558.17

No. 203 1547.03

No. 207 1577.24

No. 147 1538.24

RM33 1547.5

RM34

RM35

RM36

RM37

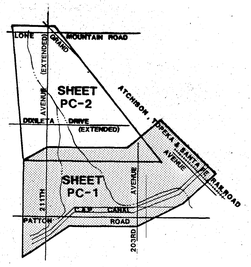
25 30 36 31 30 29 31

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 400'

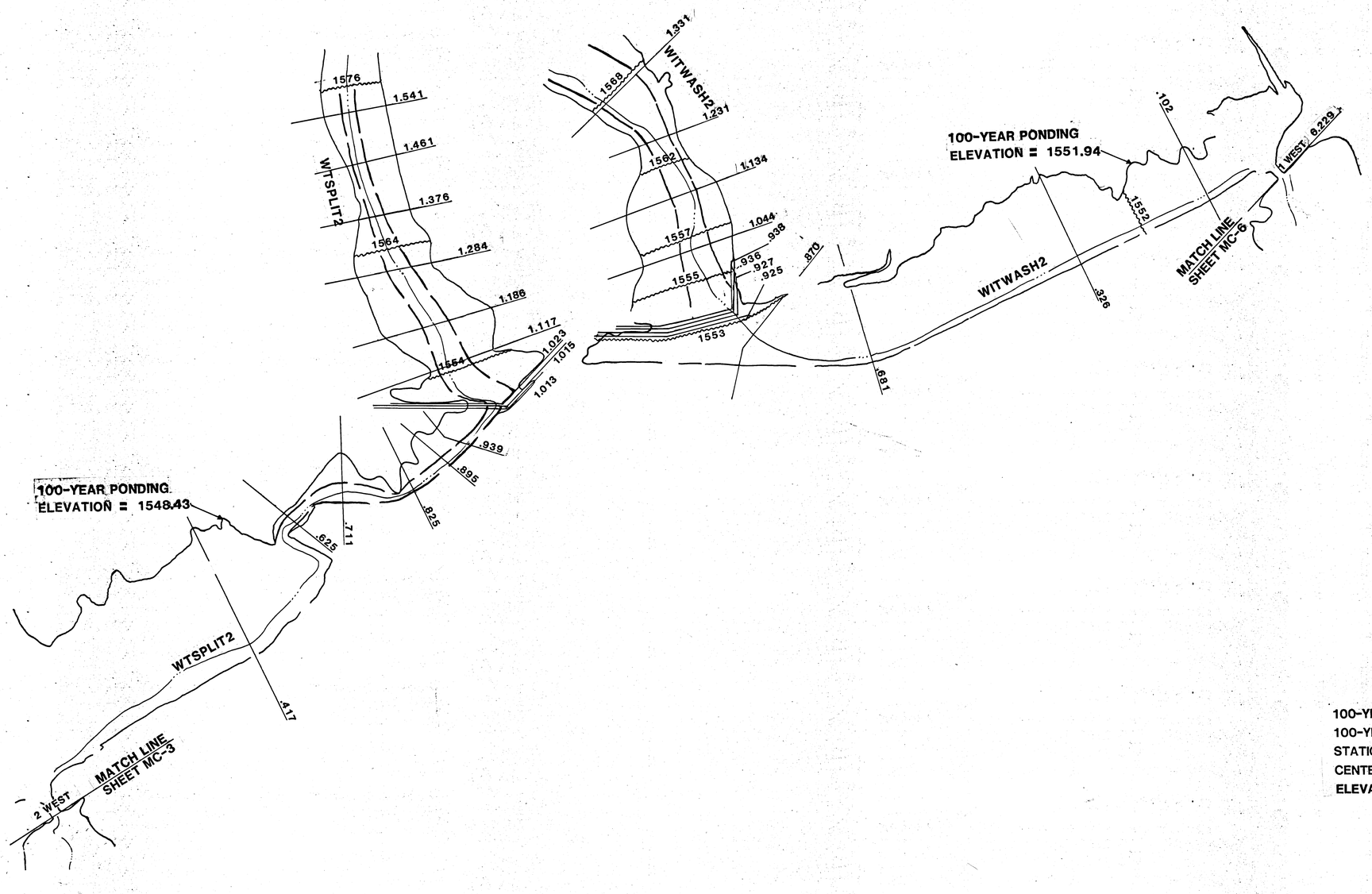
400 200 0 400 800

CONTOUR INTERVAL 2 FEET



The WLB Group Inc. WLB Cooper Aerial Survey Co.

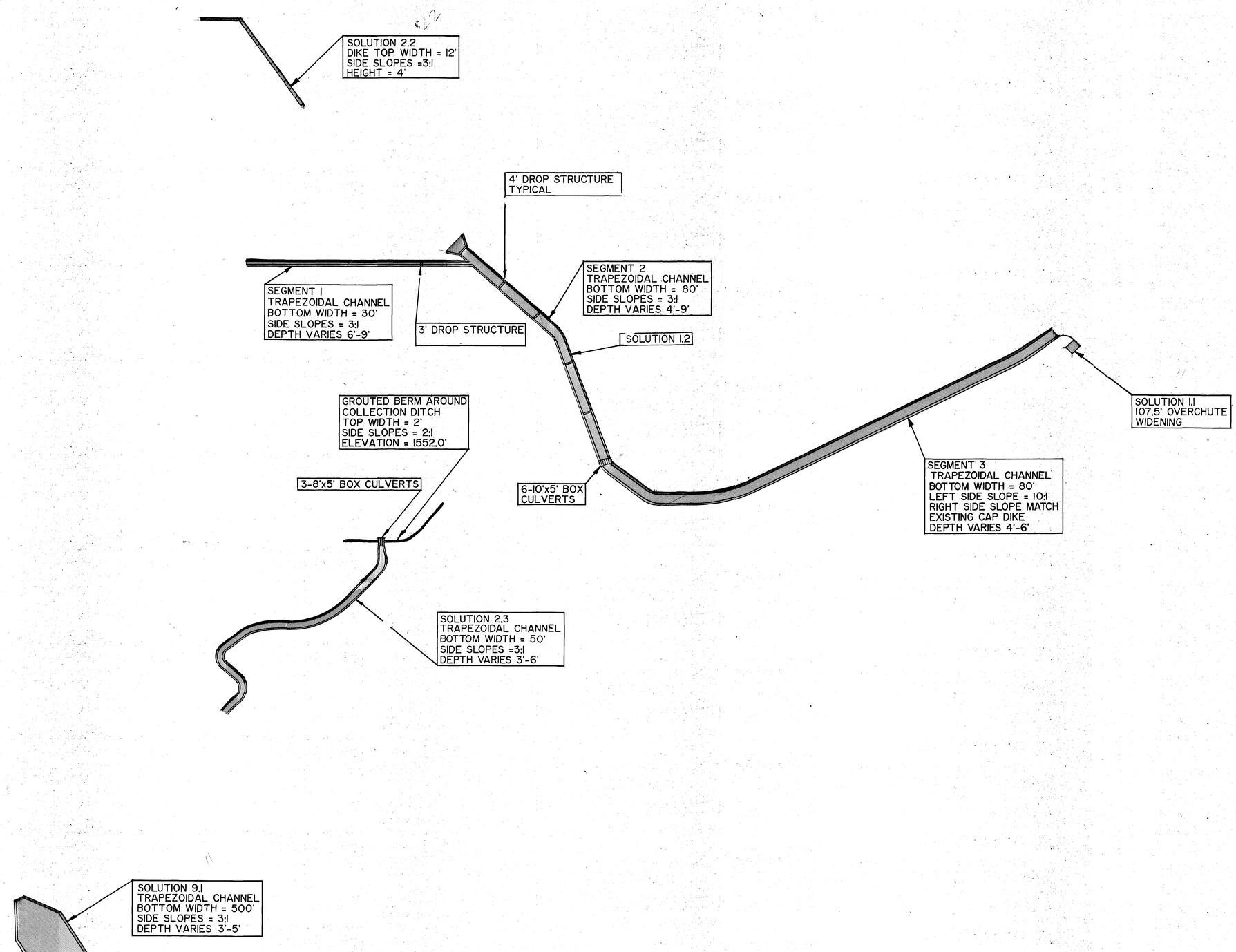
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS PC-1
PATTON ROAD/C.A.P. CANAL AREA
DATE FLOWN: 10-6-86 | SHEET 40 OF 55

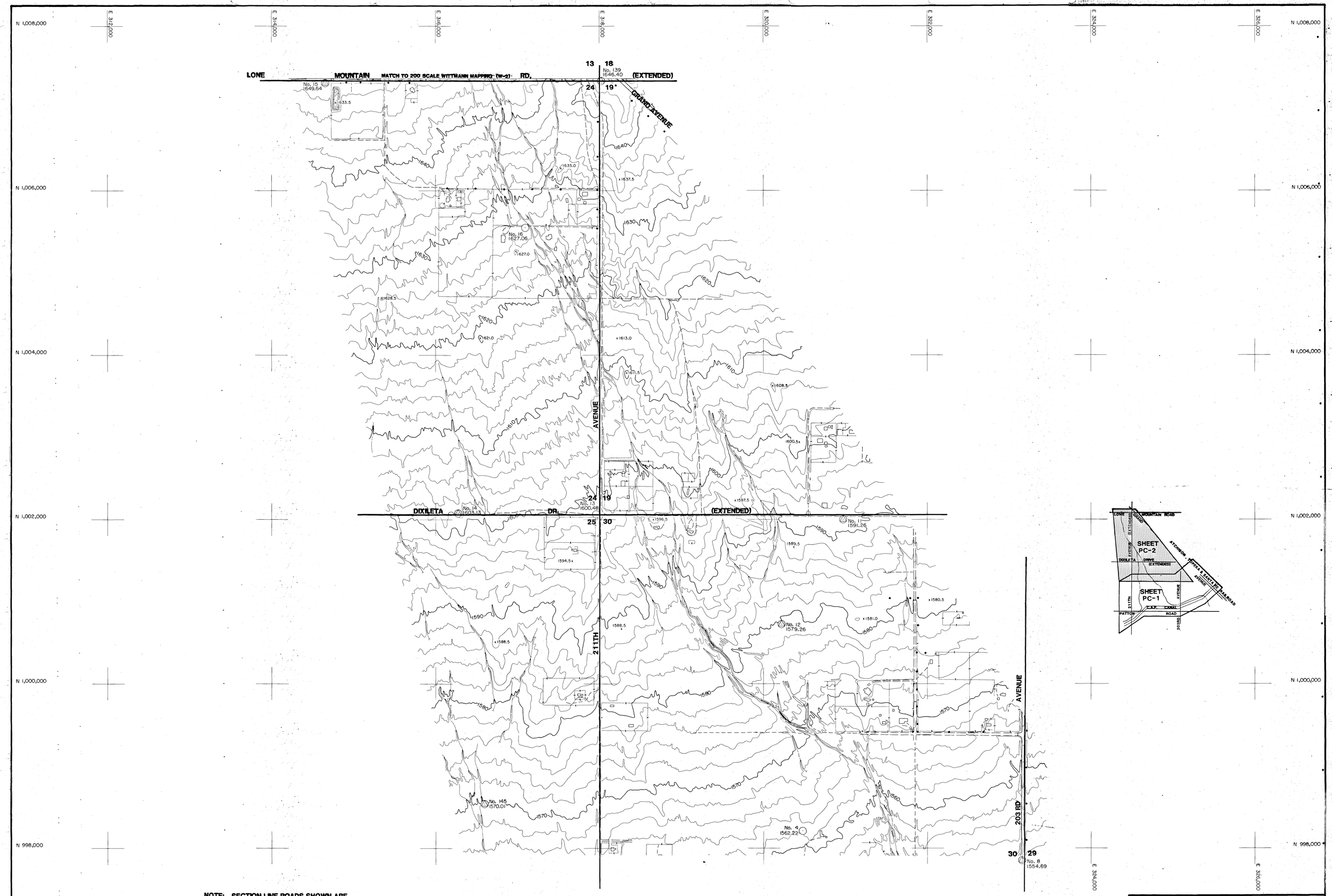


LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	——·——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN/FLOODWAY MAP


SOLUTION 2.2
DIKE TOP WIDTH = 12'
SIDE SLOPES =3:1
HEIGHT = 4'
4' DROP STRUCTURE
TYPICAL
SEGMENT 1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 30'
SIDE SLOPES = 3:1
DEPTH VARIES 6'-9'
3' DROP STRUCTURE
SEGMENT 2
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 80'
SIDE SLOPES = 3:1
DEPTH VARIES 4'-9'
SOLUTION 1.2
GROUTED BERM AROUND
COLLECTION DITCH
TOP WIDTH = 2'
SIDE SLOPES = 2:1
ELEVATION = 1552.0'
3-8'x5' BOX CULVERTS
6-10'x5' BOX
CULVERTS
SOLUTION 1.1
107.5' OVERCHUTE
WIDENING
SEGMENT 3
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 80'
LEFT SIDE SLOPE = 10:1
RIGHT SIDE SLOPE MATCH
EXISTING CAP DIKE
DEPTH VARIES 4'-6'
SOLUTION 2.3
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 50'
SIDE SLOPES =3:1
DEPTH VARIES 3'-6'
SOLUTION 9.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 500'
SIDE SLOPES = 3:1
DEPTH VARIES 3'-5'



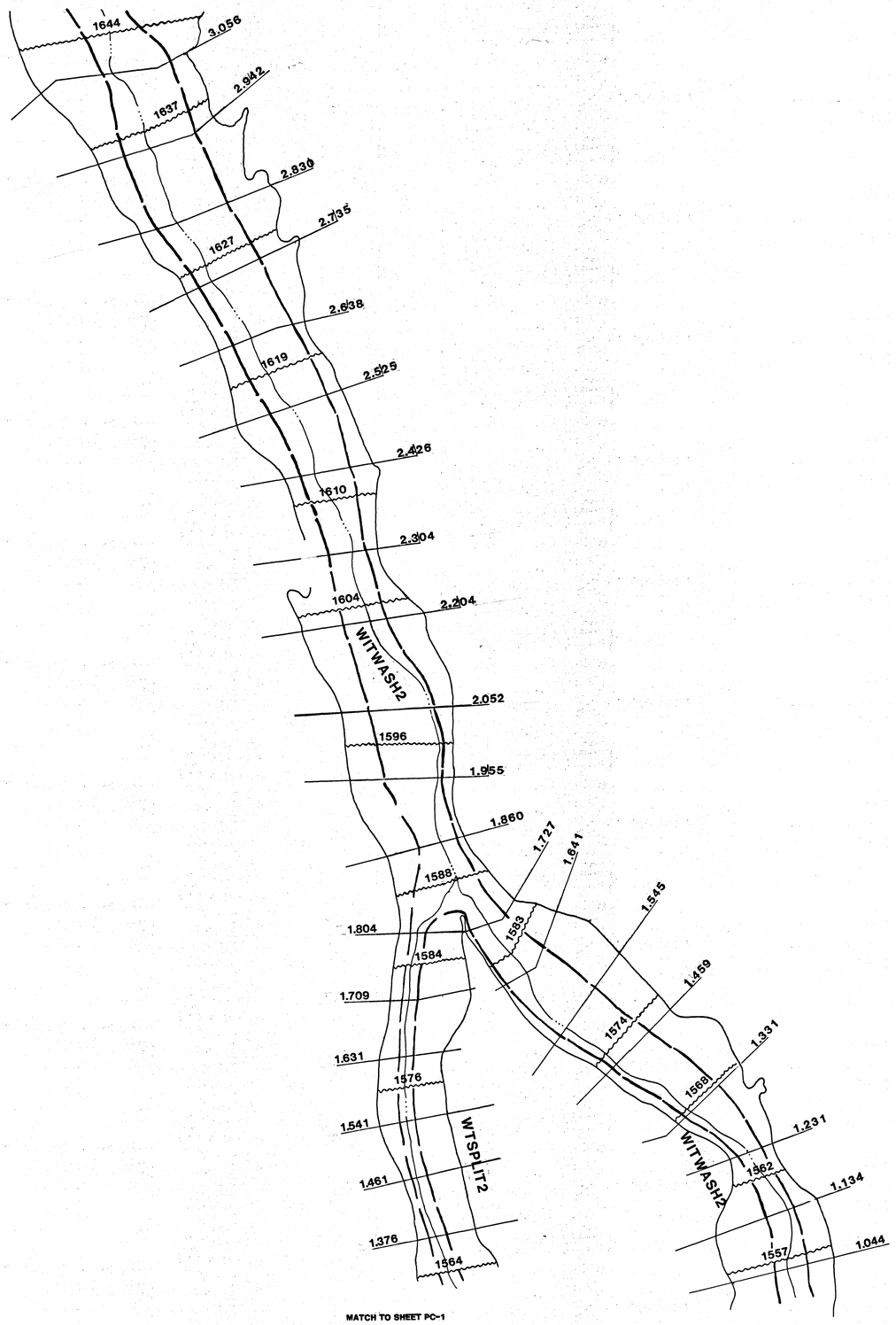
NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 400'
400 200 0 400 800
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS PC-2

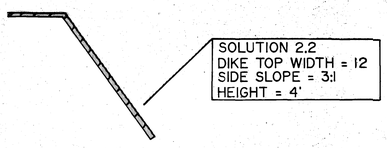
DATE FLOWN: 6-7-88 | SHEET 41 OF 55

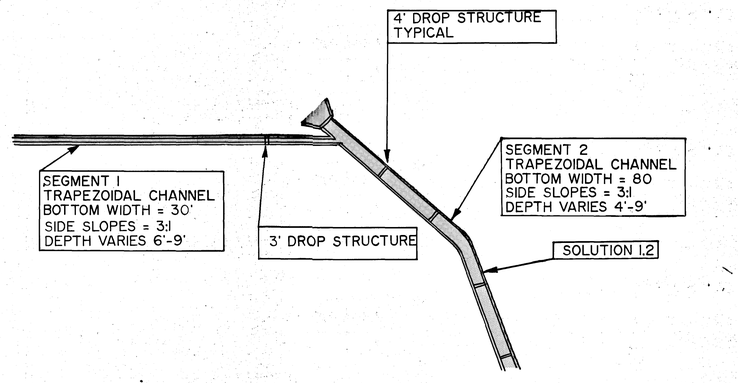


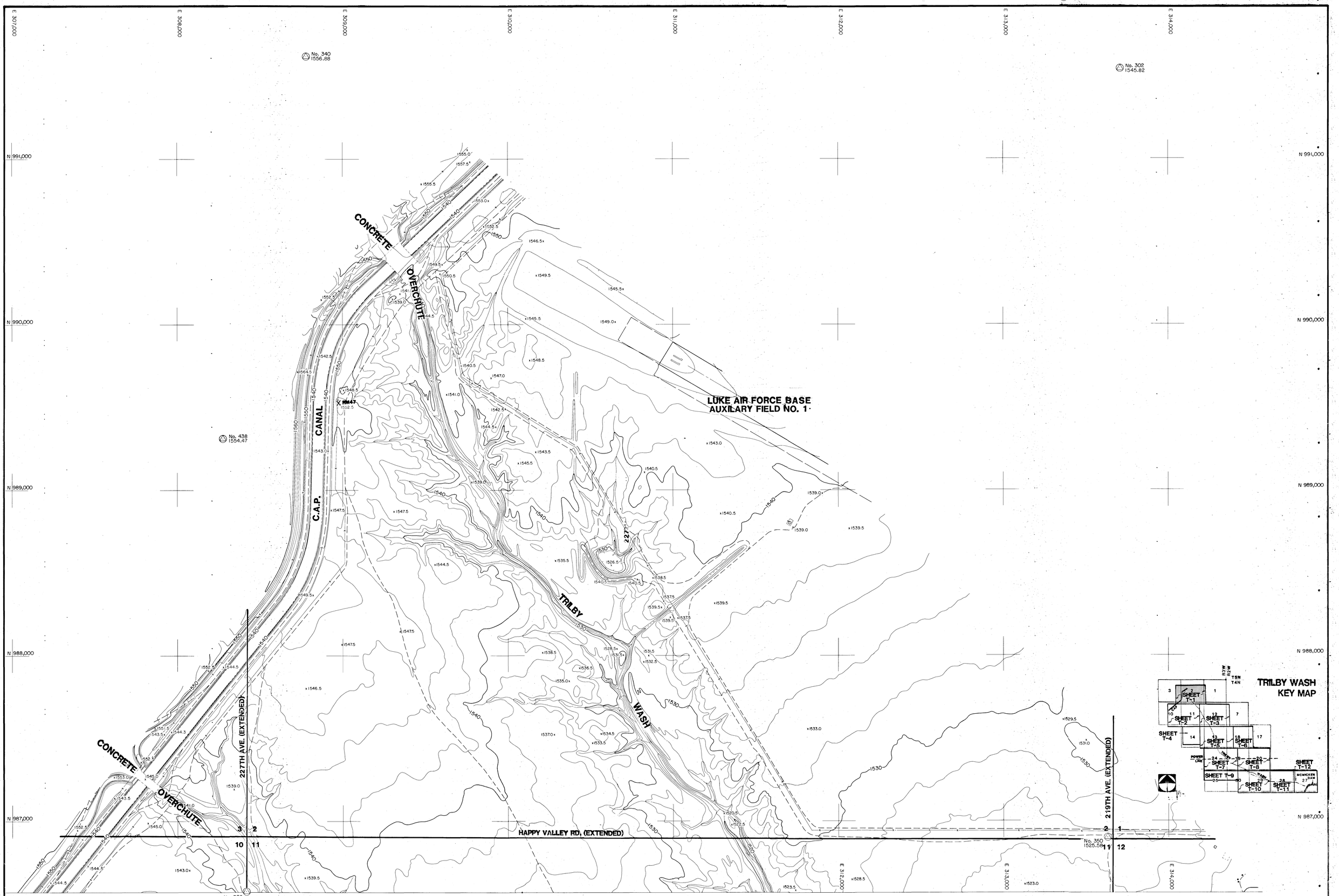
LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	——·——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN/FLOODWAY MAP


SOLUTION 2.2
DIKE TOP WIDTH = 12
SIDE SLOPE = 3:1
HEIGHT = 4'


4' DROP STRUCTURE
TYPICAL
SEGMENT 1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 30'
SIDE SLOPES = 3:1
DEPTH VARIES 6'-9'
3' DROP STRUCTURE
SEGMENT 2
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 80
SIDE SLOPES = 3:1
DEPTH VARIES 4'-9'
SOLUTION 1.2



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc.

Cooper Aerial Survey Co.

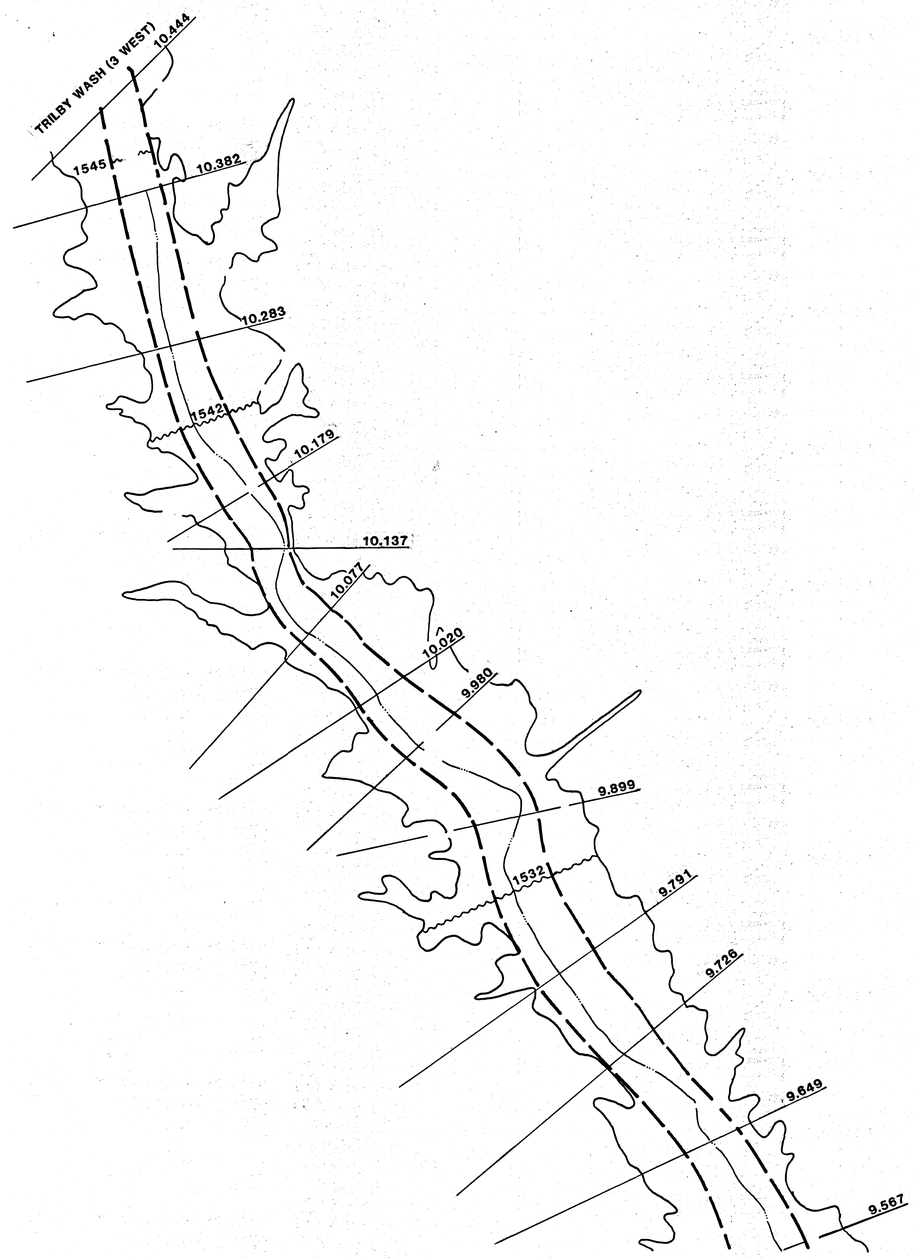
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

TRILBY WASH

T-1

DATE FLOWN: 11-13-86 | SHEET 42 OF 55



LEGEND

100-YEAR FLOODWAY

100-YEAR FLOODPLAIN

STATIONS (FT) 1000

CENTERLINE

ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP

E 306,000 E 307,000 E 308,000 E 309,000 E 310,000 E 311,000 E 312,000

N 986,000 N 985,000 N 984,000 N 983,000 N 982,000 N 981,000

C.A.P CANAL

TRILBY WASH

22ND AVE. (EXTENDED)

PINNACLE PEAK RD. (EXTENDED)

No. 306
1536.30

No. 420
1526.12

No. 308
1530.61

No. 310
1516.72

RM48

10 11 14

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

TRILBY WASH KEY MAP

T5N T4N R3W R2W

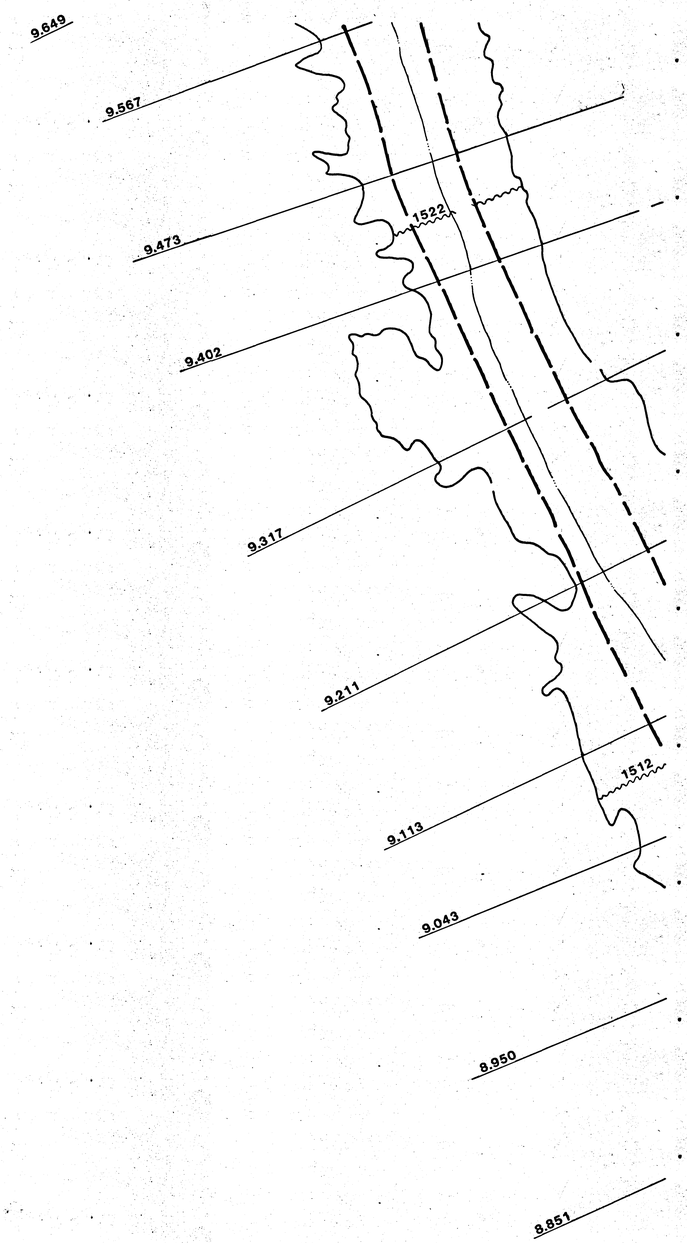
SHEET T-1 SHEET T-2 SHEET T-3 SHEET T-4 SHEET T-5 SHEET T-6 SHEET T-7 SHEET T-8 SHEET T-9 SHEET T-10 SHEET T-11 SHEET T-12

POWER LINE MCMICKEN DAM

SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

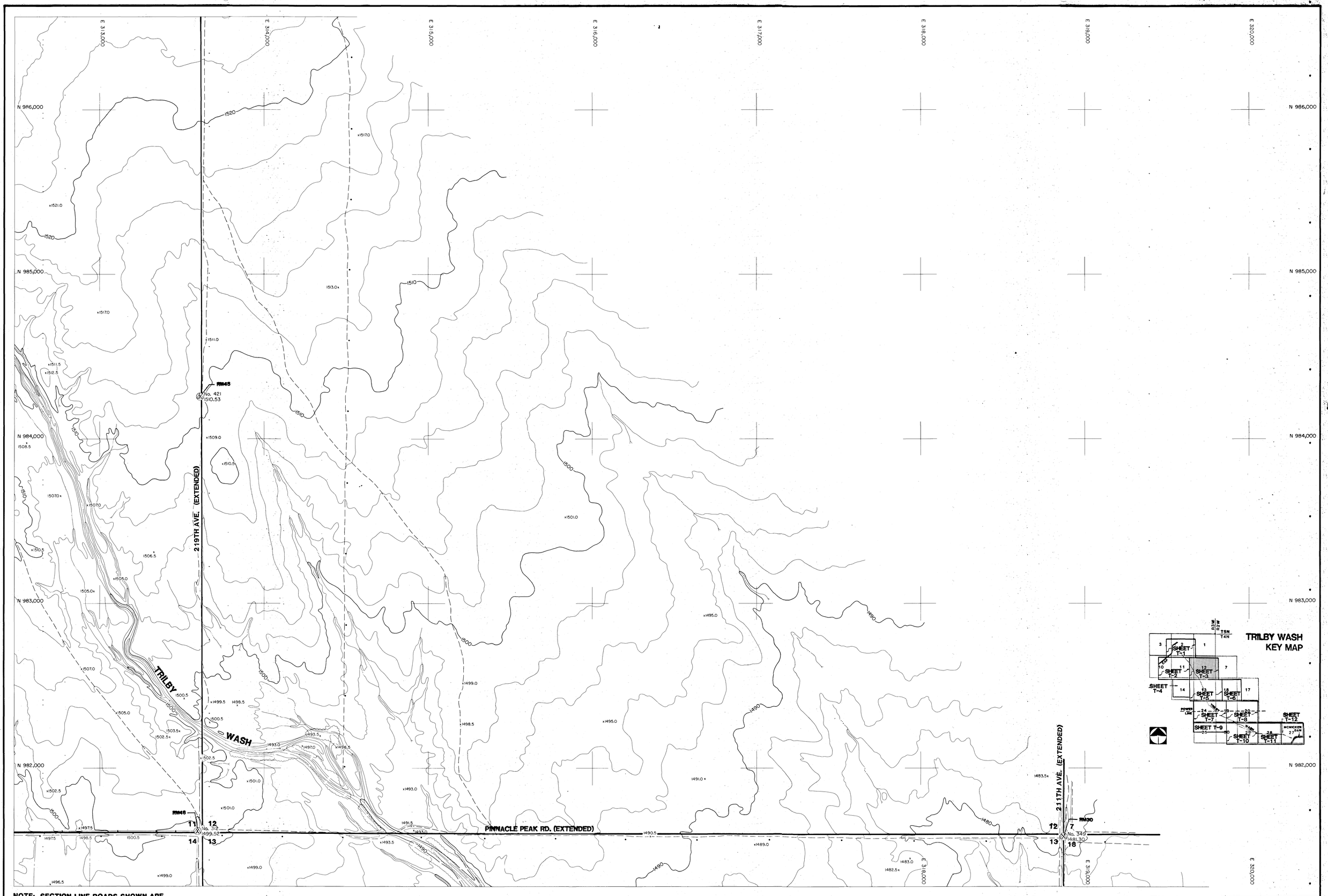
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS T-2
TRILBY WASH
DATE FLOWN: 11-13-86 SHEET 43 OF 55



LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	—— ··· ——
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN/FLOODWAY MAP



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc.

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

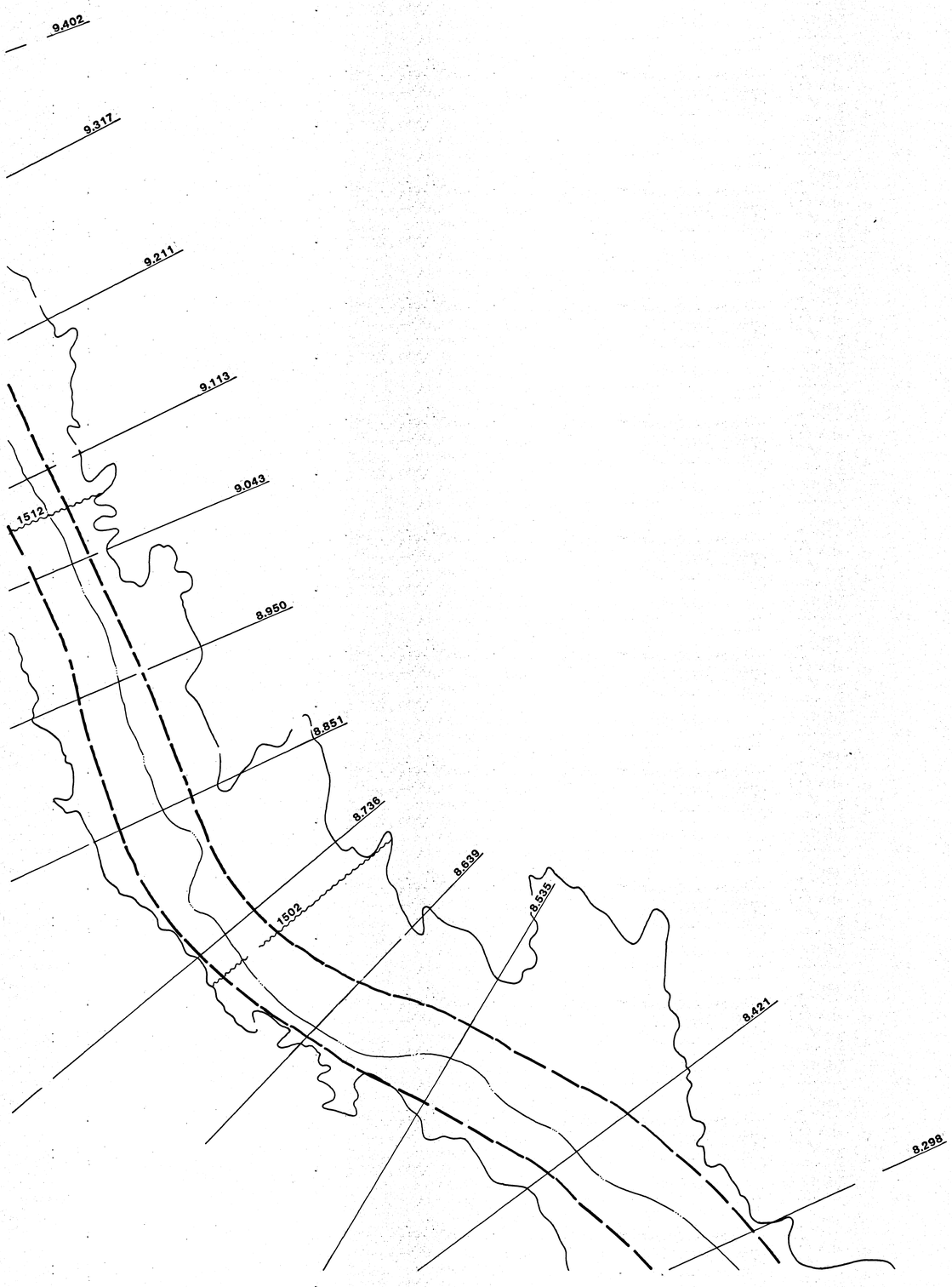
AERIAL MAPPING FOR

WITTMANN ADMS

TRILBY WASH

T-3

DATE FLOWN: 11-13-86 | SHEET 44 OF 55



LEGEND

100-YEAR FLOODWAY	— — —
100-YEAR FLOODPLAIN	———
STATIONS (FT)	1000
CENTERLINE	—— ··· ——
ELEVATION REFERENCE MARK RM10	

FLOODPLAIN/FLOODWAY MAP

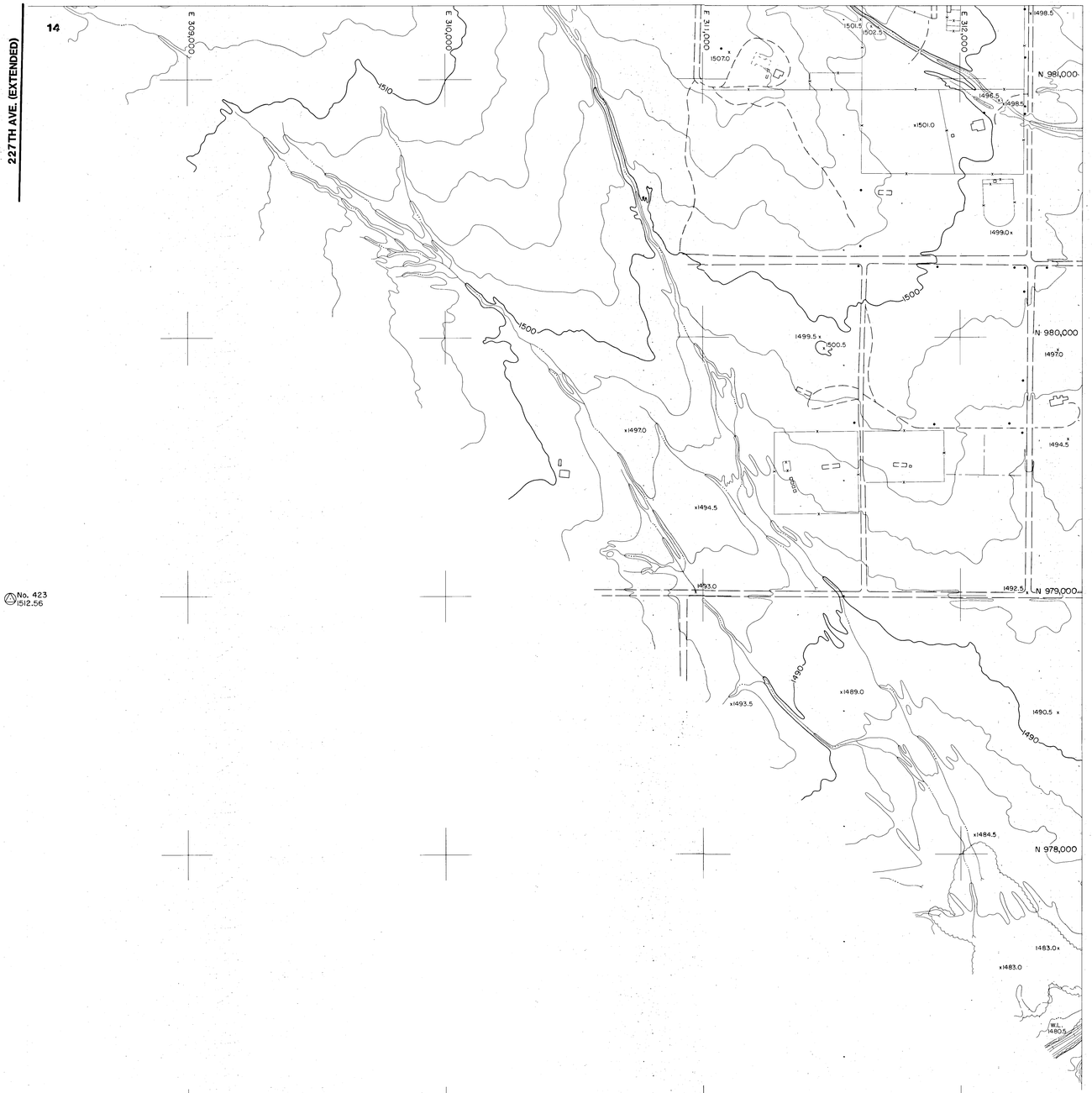
E 305,000 E 306,000 E 307,000 E 308,000 E 309,000 E 310,000 E 311,000 E 312,000

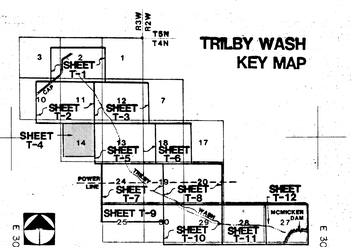
N 981,000 N 980,000 N 979,000 N 978,000 N 977,000 N 976,000

227TH AVE. (EXTENDED)

14

No. 423
1512.56



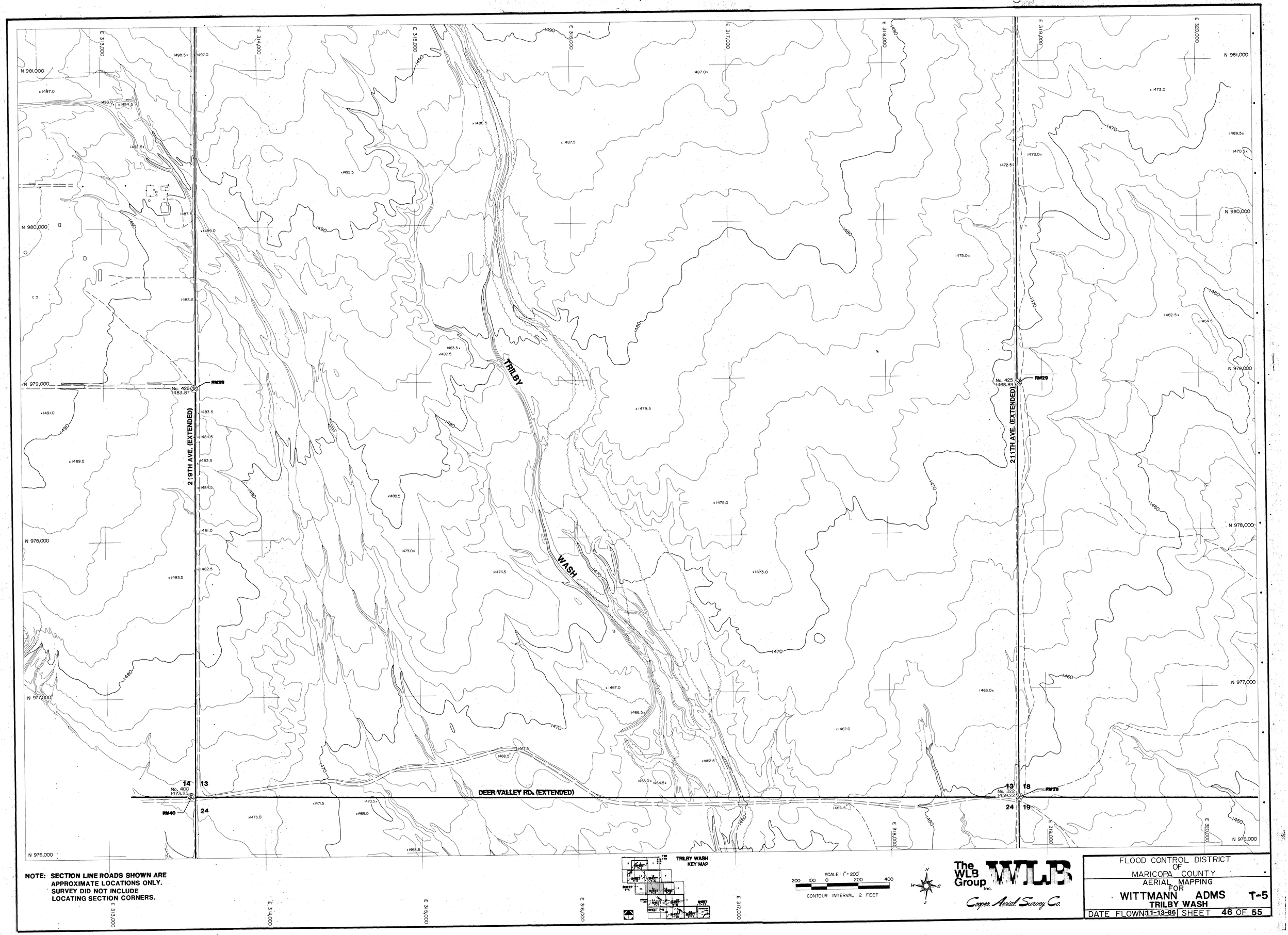


NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS T-4
TRILBY WASH
DATE FLOWN: 11-13-86 SHEET 45 OF 55



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

The WLB Group Inc.

Cooper Aerial Survey Co.

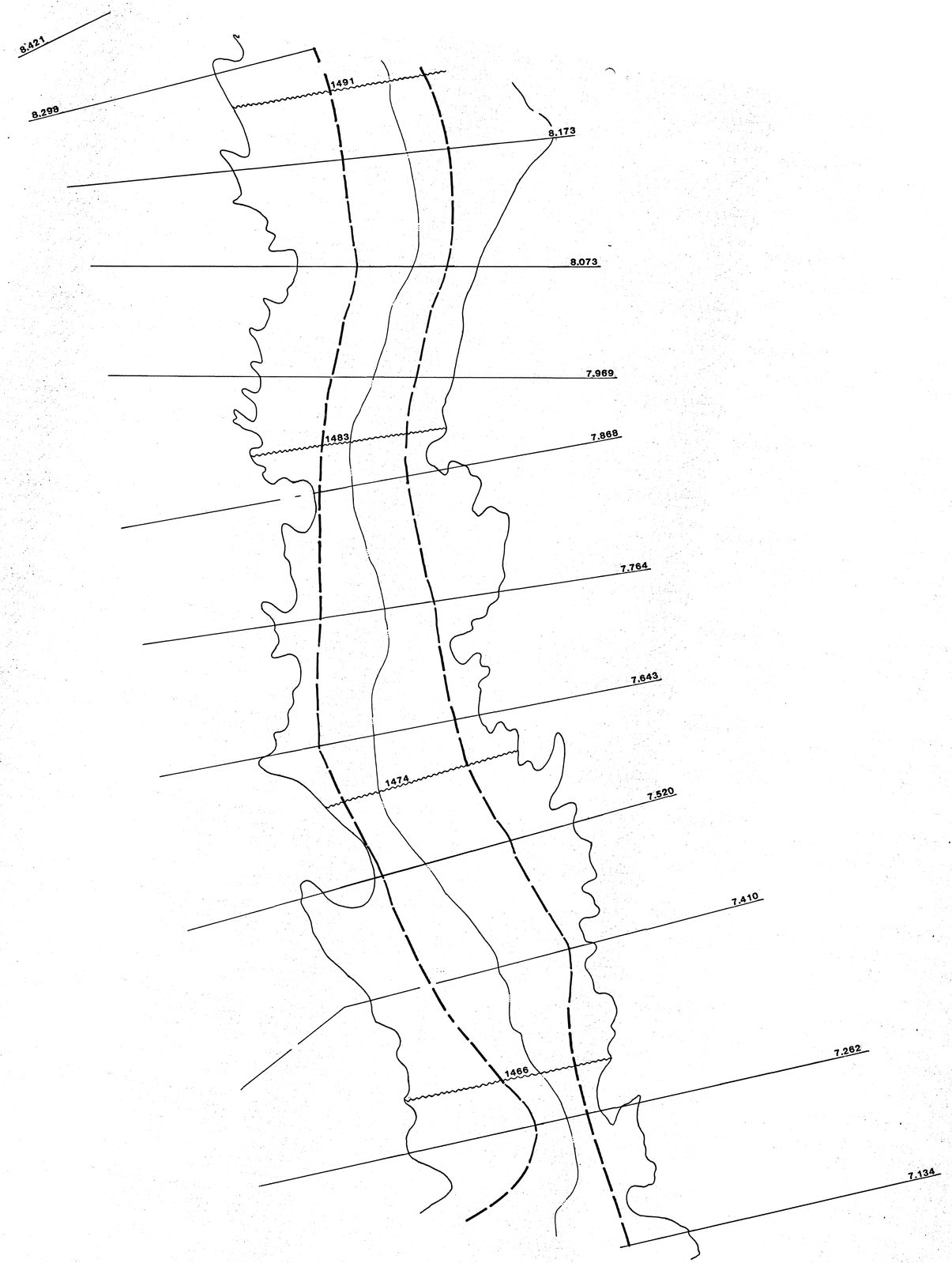
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

TRILBY WASH

T-5

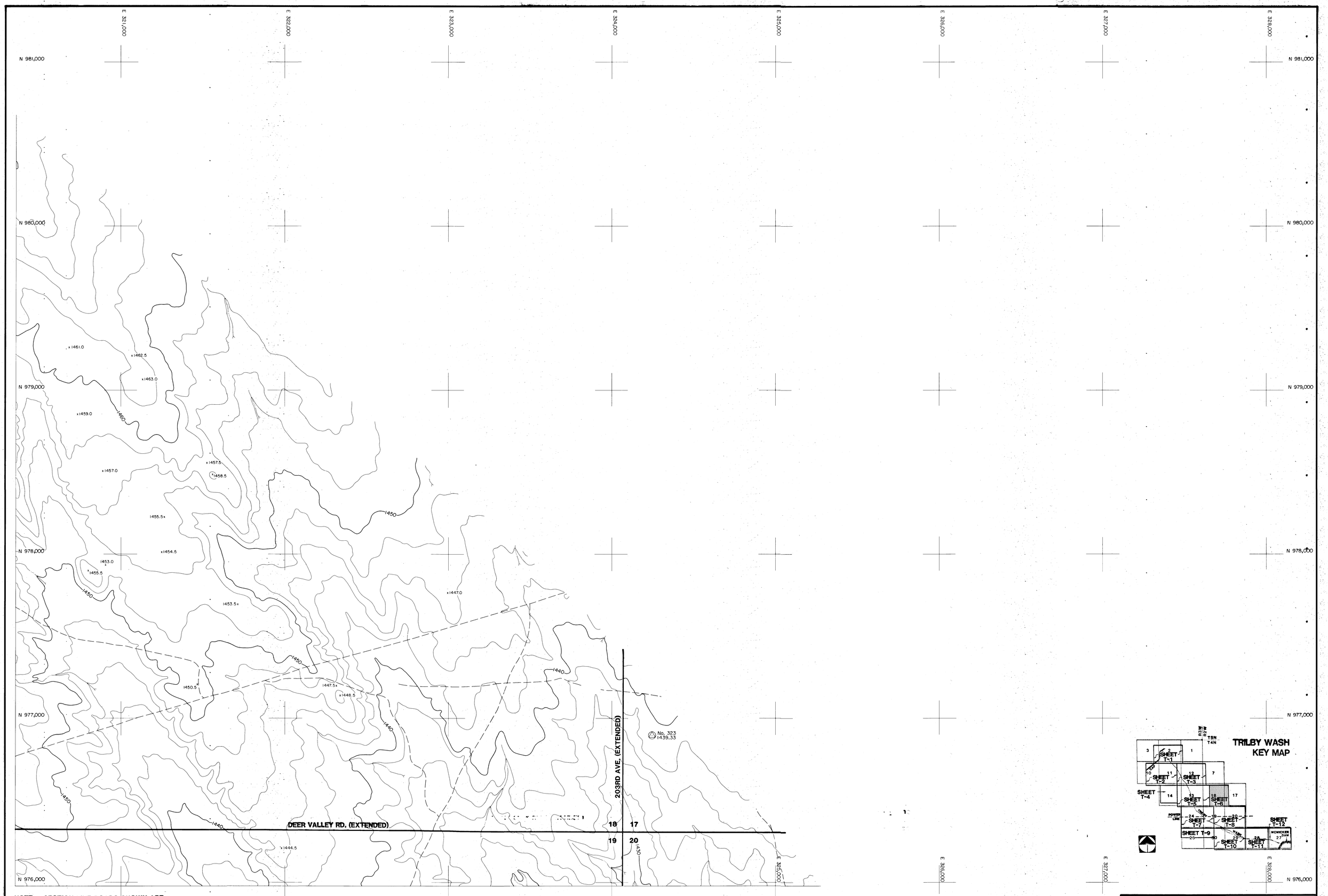
DATE FLOWN: 11-13-86 | SHEET 46 OF 55



LEGEND

100-YEAR FLOODWAY
100-YEAR FLOODPLAIN
STATIONS (FT) 1000
CENTERLINE
ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc.

WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR

WITTMANN ADMS

TRILBY WASH

T-6

DATE FLOWN: 11-13-86 | SHEET 47 OF 55

N 976,000 | N 975,000 | N 974,000 | N 973,000 | N 972,000 | N 971,000

E 314,000 | E 315,000 | E 316,000 | E 317,000 | E 318,000 | E 319,000 | E 320,000 | E 321,000

219TH AVE. (EXTENDED)

211TH AVE. (EXTENDED)

TRILBY WASH

OVERHEAD TRANSMISSION LINE

BEARDSLEY RD. (EXTENDED)

No. 428
1466.50
RM41

No. 426
1444.81

No. 617
1483.05

No. 321
1438.25

23 24 25 26 | 24 25 | 19 30

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

TRILBY WASH KEY MAP

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS T-7
TRILBY WASH

DATE FLOWN: 11-13-86 SHEET 48 OF 55

LEGEND

100-YEAR FLOODWAY

100-YEAR FLOODPLAIN

STATIONS (FT) 1000

CENTERLINE

ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP

N 976,000 · N 975,000 · N 974,000 · N 973,000 · N 972,000 · N 971,000

E 322,000 · E 323,000 · E 324,000 · E 325,000 · E 326,000 · E 327,000 · E 328,000 · E 329,000

203RD AVE. (EXTENDED)

(PROPOSED BOUNDARY)

195TH AVE. (EXTENDED)

OVERHEAD TRANSMISSION LINE

NORTHWEST LANDFILL

TRILBY WASH

BEARDSLY RD. (EXTENDED)

No. 431 1427.94

No. 324 1410.06

No. 334 1393.64

WIL. 1396.5

19 20 30 29

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

TRILBY WASH KEY MAP

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

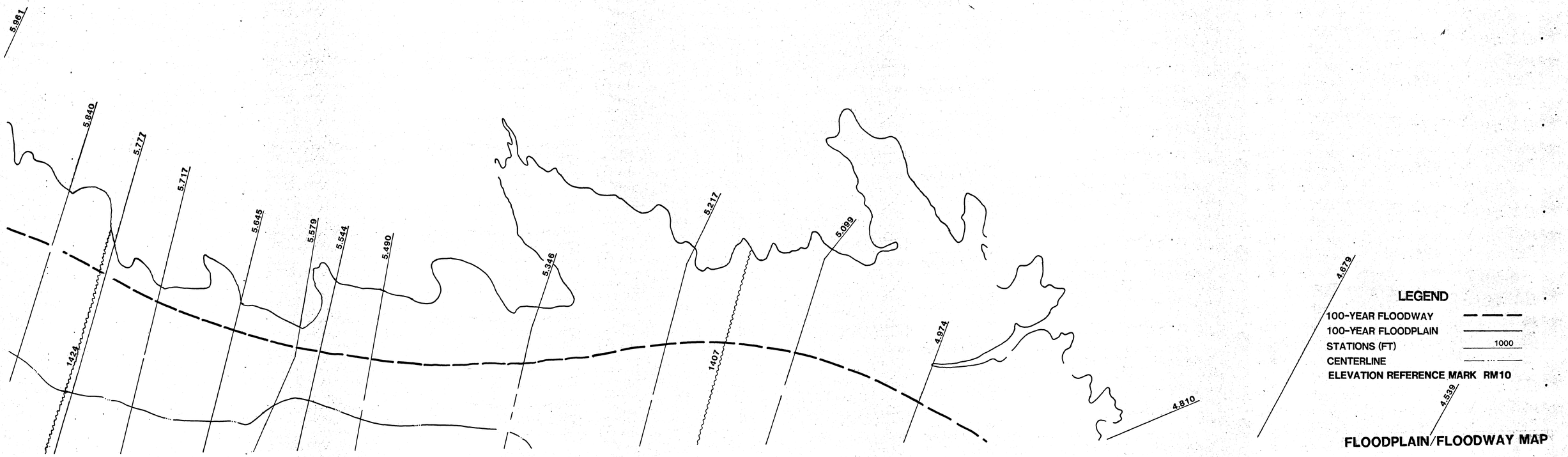
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR WITTMANN ADMS

TRILBY WASH

T-8

DATE FLOWN: 11-13-86 | SHEET 49 OF 55



FLOODPLAIN/FLOODWAY MAP

E 314,000 E 315,000 E 316,000 E 317,000 E 318,000 E 319,000 E 320,000 E 321,000

N 970,000 N 969,000 N 968,000 N 967,000 N 966,000 N 965,000

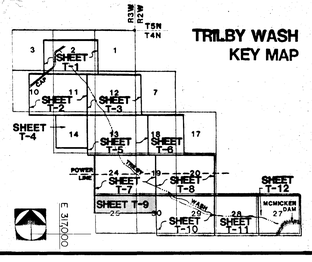
x1468.5 1470 1461.0 1460.5 1460 1454.5 1453.5 1454.5 1454.5 1450 1450 1441.0 1440 1440 1430.5 1430 1425.5 1427.0 1430

25 30

211TH AVE. (EXTENDED)

No. 427
1459.45

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.



TRILBY WASH KEY MAP

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

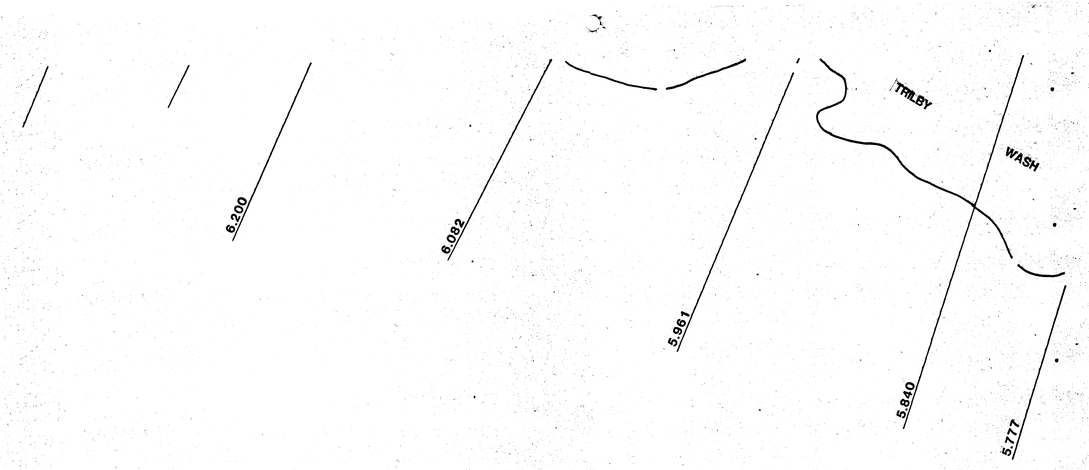
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

AERIAL MAPPING FOR

WITTMANN ADMS T-9

TRILBY WASH

DATE FLOWN: 11-13-86 | SHEET 50 OF 55



LEGEND

100-YEAR FLOODWAY

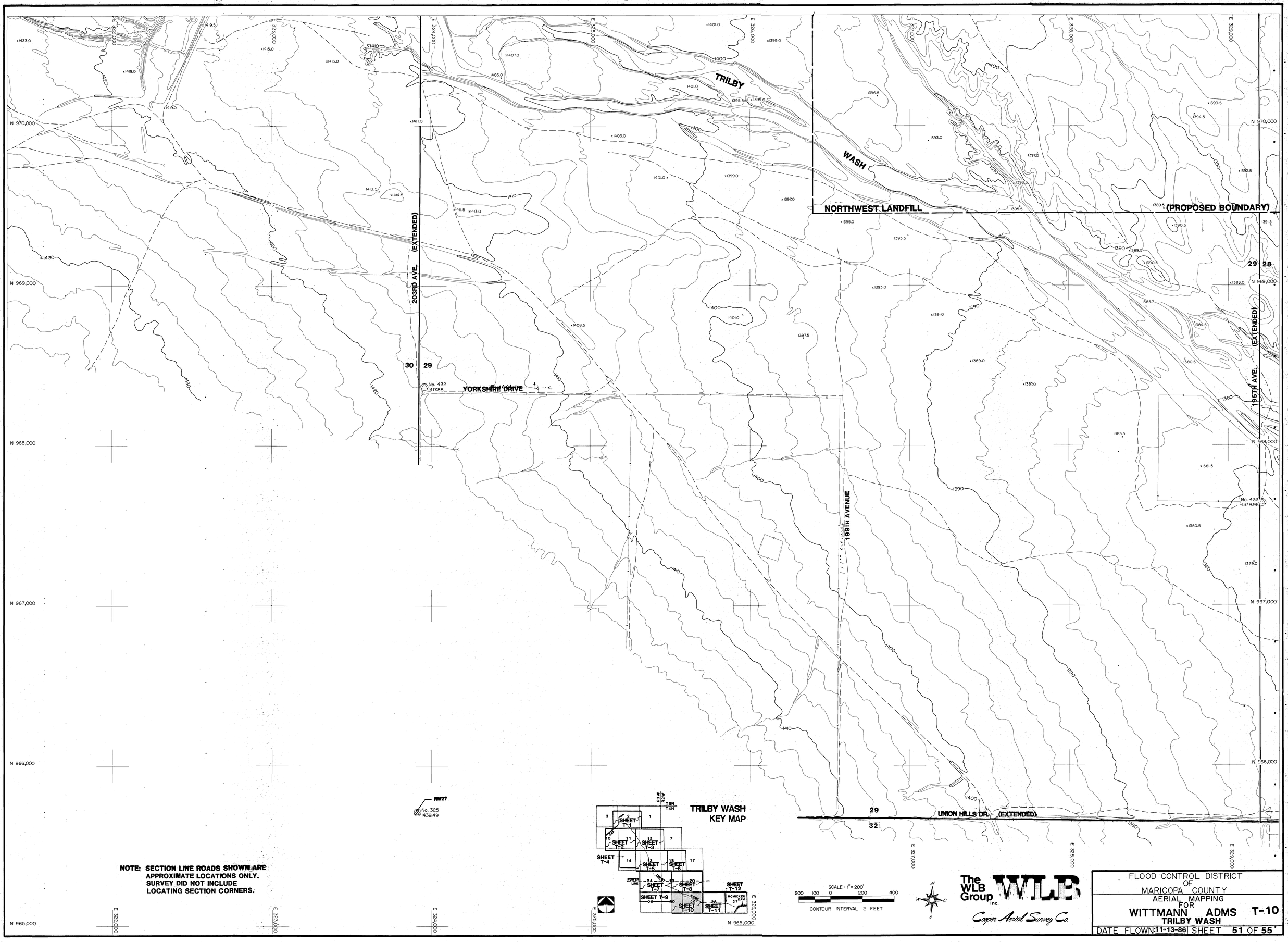
100-YEAR FLOODPLAIN

STATIONS (FT) 1000

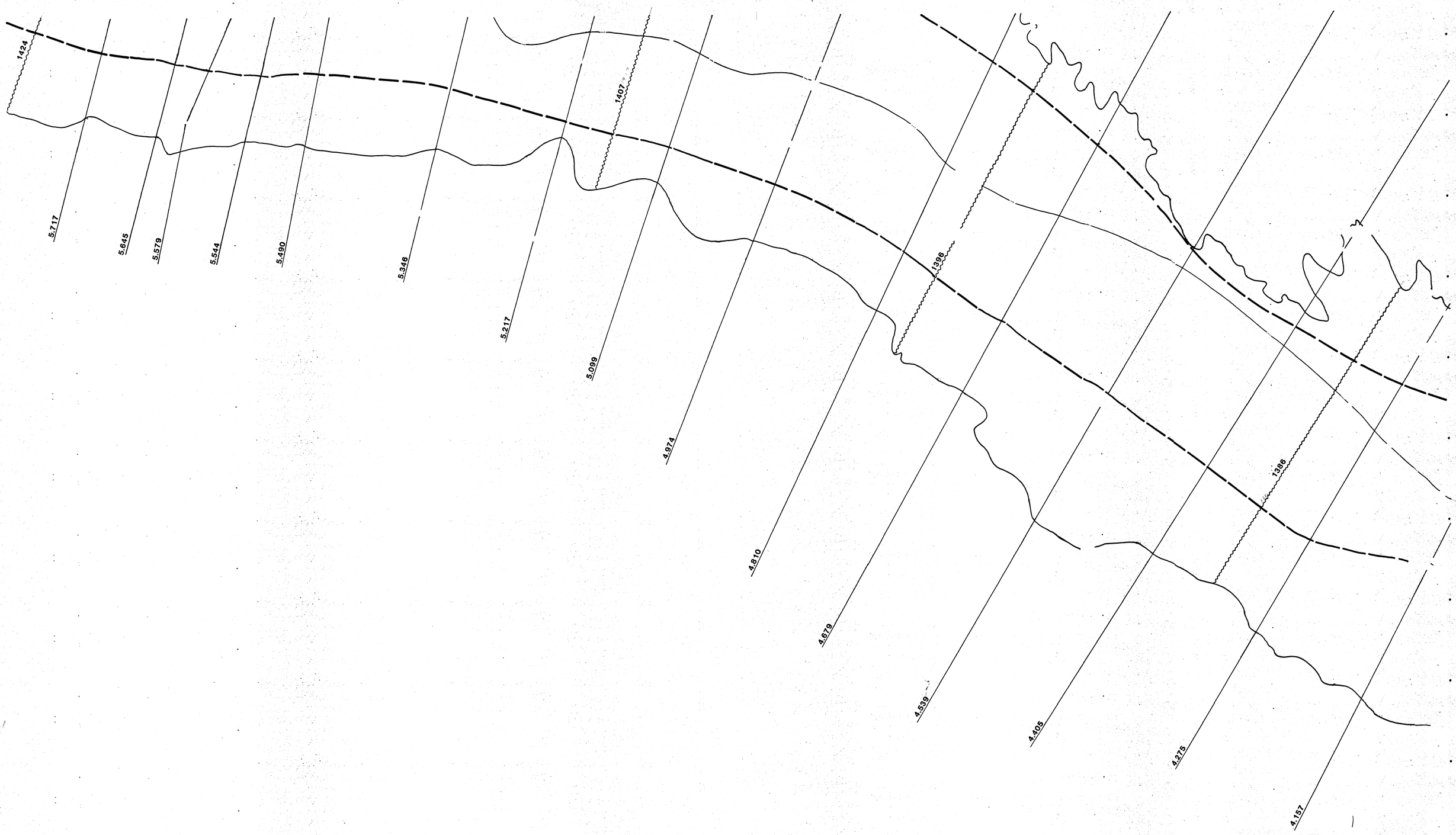
CENTERLINE

ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP



NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.



LEGEND

100-YEAR FLOODWAY
100-YEAR FLOODPLAIN
STATIONS (FT) 1000
CENTERLINE
ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP

187TH AVE. (EXTENDED)

(BOUNDARY)

WASH

TRILBY

BEARDSLEY RD. (EXTENDED)

NORTHWEST LANDFILL

UNION HILLS DR. (EXTENDED)

No. 333
373.79

No. 329
1351.40

No. 434
1367.17

No. 437
1381.41

No. 326
1381.32

No. 334
1393.64

N 972,000 | N 971,000 | N 970,000 | N 969,000 | N 968,000 | N 967,000 | N 966,000 | N 965,000

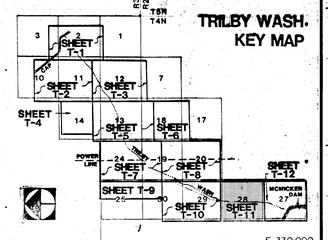
E 334,000 | E 333,000 | E 332,000 | E 331,000 | E 330,000 | E 329,000

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

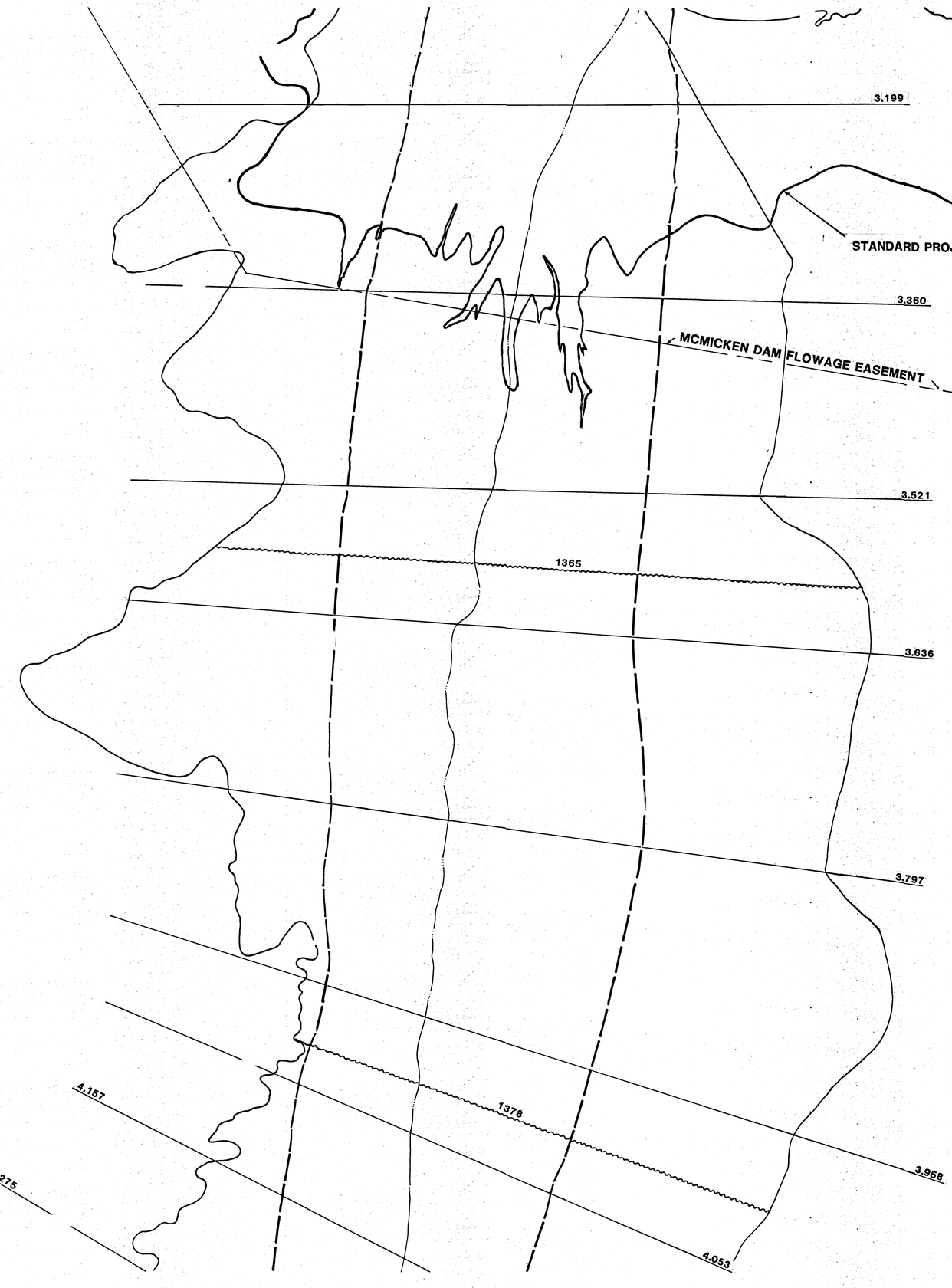
SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

TRILBY WASH. KEY MAP



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS T-11
TRILBY WASH
DATE FLOWN: 11-13-86 SHEET 52 OF 55



LEGEND

100-YEAR FLOODWAY	
100-YEAR FLOODPLAIN	
STATIONS (FT)	1000
CENTERLINE	
ELEVATION REFERENCE MARK	RM10

FLOODPLAIN/FLOODWAY MAP

E 340,000 | E 339,000 | E 338,000 | E 337,000 | E 336,000 | E 335,000

N 972,000 | N 971,000 | N 970,000 | N 969,000 | N 968,000 | N 967,000 | N 966,000 | N 965,000

179TH AVE. (EXTENDED)

BEARDSLEY RD. (EXTENDED)

UNION HILLS DR. (EXTENDED)

BEARDSLEY CANAL

McMICKEN DAM

TRILBY WASH

No. 332
1360.80

No. 330
1330.51

No. 436
1357.10

No. 435
1335.47

No. 333
1373.79

RM17

RM18

RM19

W.L. 1329.0

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

SCALE: 1" = 200'

200 100 0 200 400

CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB

Cooper Aerial Survey Co.

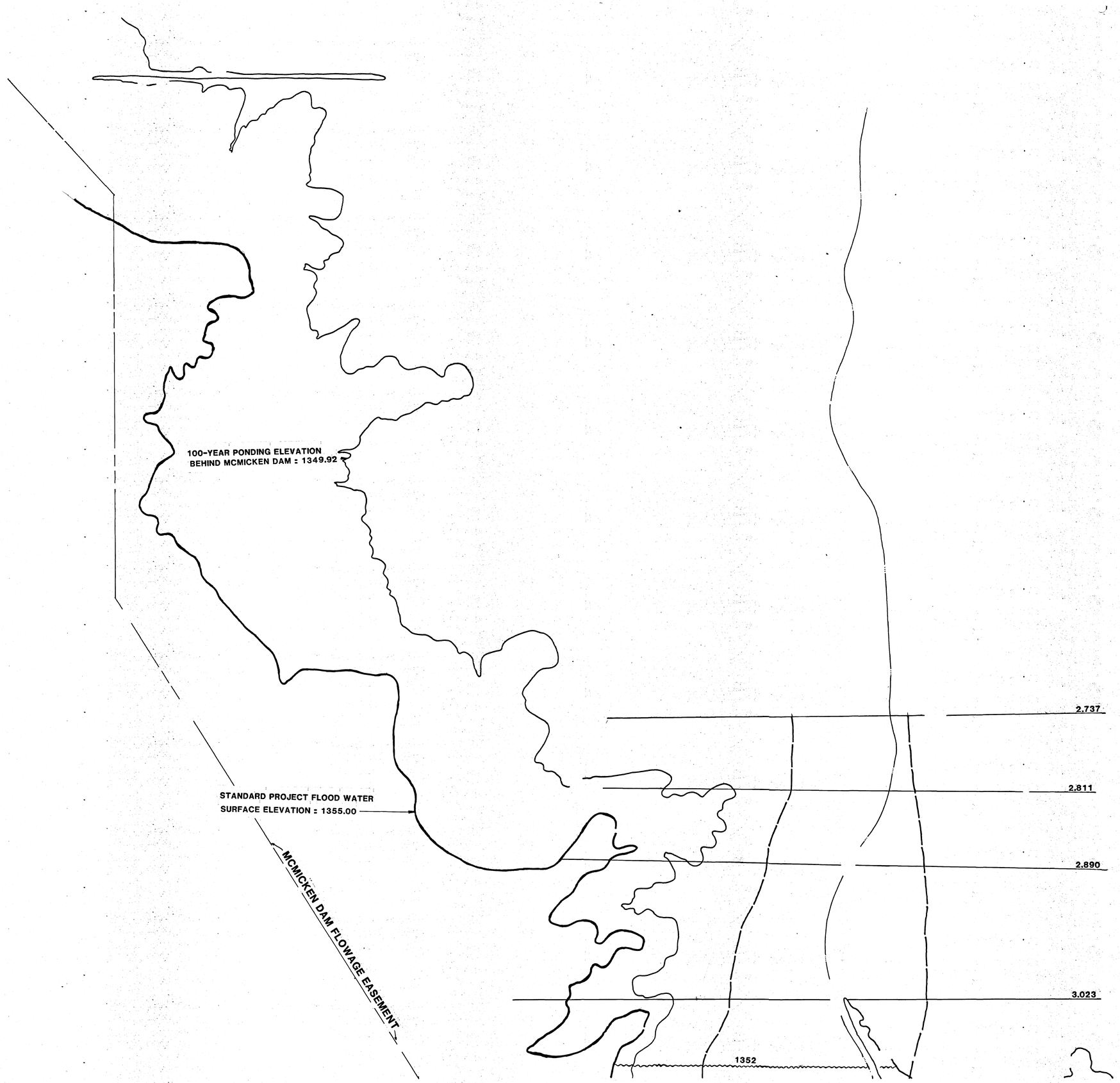
TRILBY WASH KEY MAP

T5N T4N R3W R2W

SHEET T-1 | SHEET T-2 | SHEET T-3 | SHEET T-4 | SHEET T-5 | SHEET T-6 | SHEET T-7 | SHEET T-8 | SHEET T-9 | SHEET T-10 | SHEET T-11 | SHEET T-12

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS T-12
TRILBY WASH

DATE FLOWN: 11-13-86 | SHEET 53 OF 55



LEGEND

- 100-YEAR FLOODWAY
- 100-YEAR FLOODPLAIN
- STATIONS (FT) 1000
- CENTERLINE
- ELEVATION REFERENCE MARK RM10

FLOODPLAIN/FLOODWAY MAP

E 312,000 E 313,000 E 314,000 E 315,000 E 316,000 E 317,000 E 318,000 E 319,000

N 1,017,000 N 1,016,000 N 1,015,000 N 1,014,000 N 1,013,000

No. 132
1729.07

No. 131
1721.11

No. 136
1700.86

1730 1725.5x x1723.5 x1725.0 1720.5 1720 1716.5 1710 1700

CROZIER RD. (219TH AVE. EXTENDED)

211TH AVE. (EXTENDED)

CENTER ST.

ATCHISON TOPEKA & SANTA FE RAILROAD

GRAND AVENUE (U.S. 60 & U.S. 89)

DOVE VALLEY ROAD

GRIFFEN AVENUE

WITTMANN

11 12 12 7

MATCH LINE SEE SHEET W-2

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

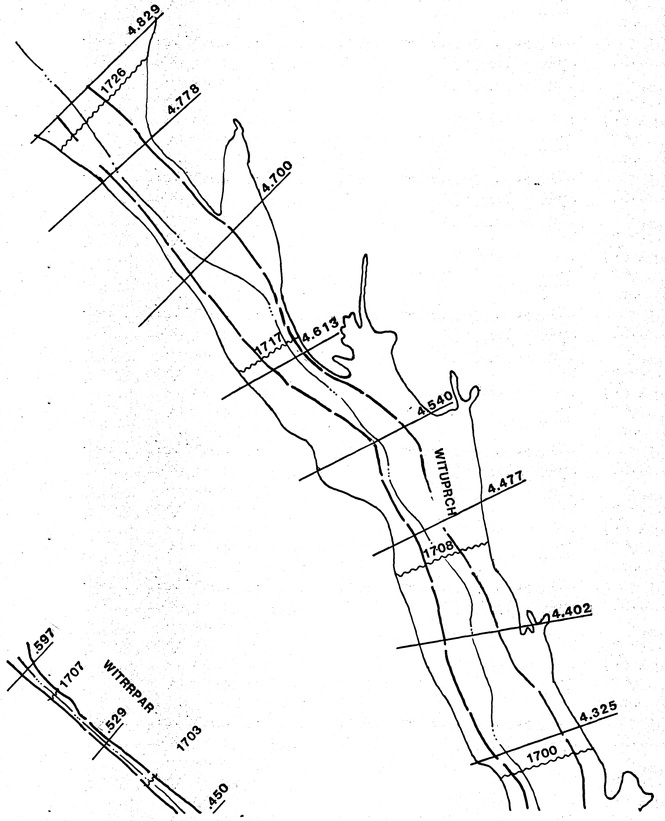
SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

N W E S

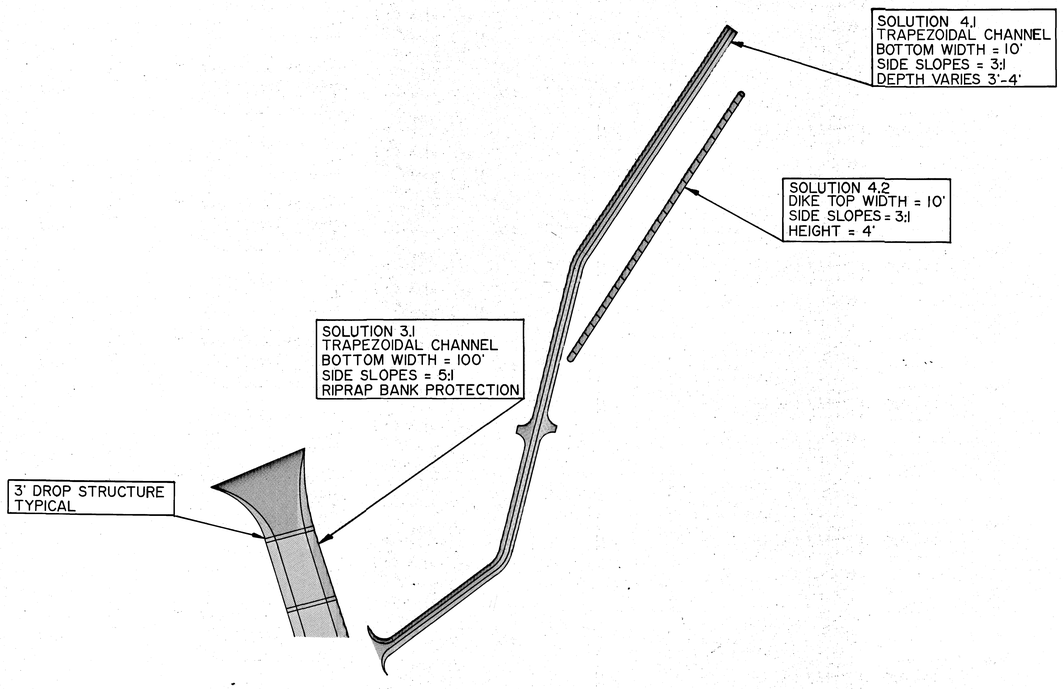
The WLB Group Inc. WLB

Cooper Aerial Survey Co.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
AERIAL MAPPING FOR
WITTMANN ADMS W-1
WITTMANN
DATE FLOWN: 10-6-86 | SHEET 54 OF 55



FLOODPLAIN/FLOODWAY MAP


SOLUTION 4.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 10'
SIDE SLOPES = 3:1
DEPTH VARIES 3'-4'
SOLUTION 4.2
DIKE TOP WIDTH = 10'
SIDE SLOPES = 3:1
HEIGHT = 4'
SOLUTION 3.1
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 100'
SIDE SLOPES = 5:1
RIPRAP BANK PROTECTION
3' DROP STRUCTURE
TYPICAL

MATCH LINE

SEE SHEET W-1

DOVE VALLEY RD.

DOVE VALLEY ROAD

CROZIER — ROAD

WITTMANN

PINE ST.

GRIFFEN AVE

OAK ST.

HOVEY AVE

CENTER ST.

VINE ST.

WALNUT ST.

MYERS AVE.

MAPLE ST.

HARDING ST.

WILSON ST.

ROOSEVELT ST.

MYERS ST.

WALNUT ST.

PALO VERDE ST.

POPLAR ST.

ASH ST.

LAURA ST.

211TH AVE. (EXTENDED)

ATCHISON TOPEKA & SANTA FE RAILROAD

GRAND AVENUE (U.S. 60 & U.S. 89)

LONE MOUNTAIN RD. (EXTENDED)

No. 137
1693.08

No. 133
1691.99

No. 139
1645.30

RM97

RM96

RM95

E 312,000
E 313,000
E 314,000
E 315,000
E 316,000
E 317,000
E 318,000
E 319,000

N 1,012,000
N 1,011,000
N 1,010,000
N 1,009,000
N 1,008,000
N 1,007,000

14
13
24
13
18

NOTE: SECTION LINE ROADS SHOWN ARE APPROXIMATE LOCATIONS ONLY. SURVEY DID NOT INCLUDE LOCATING SECTION CORNERS.

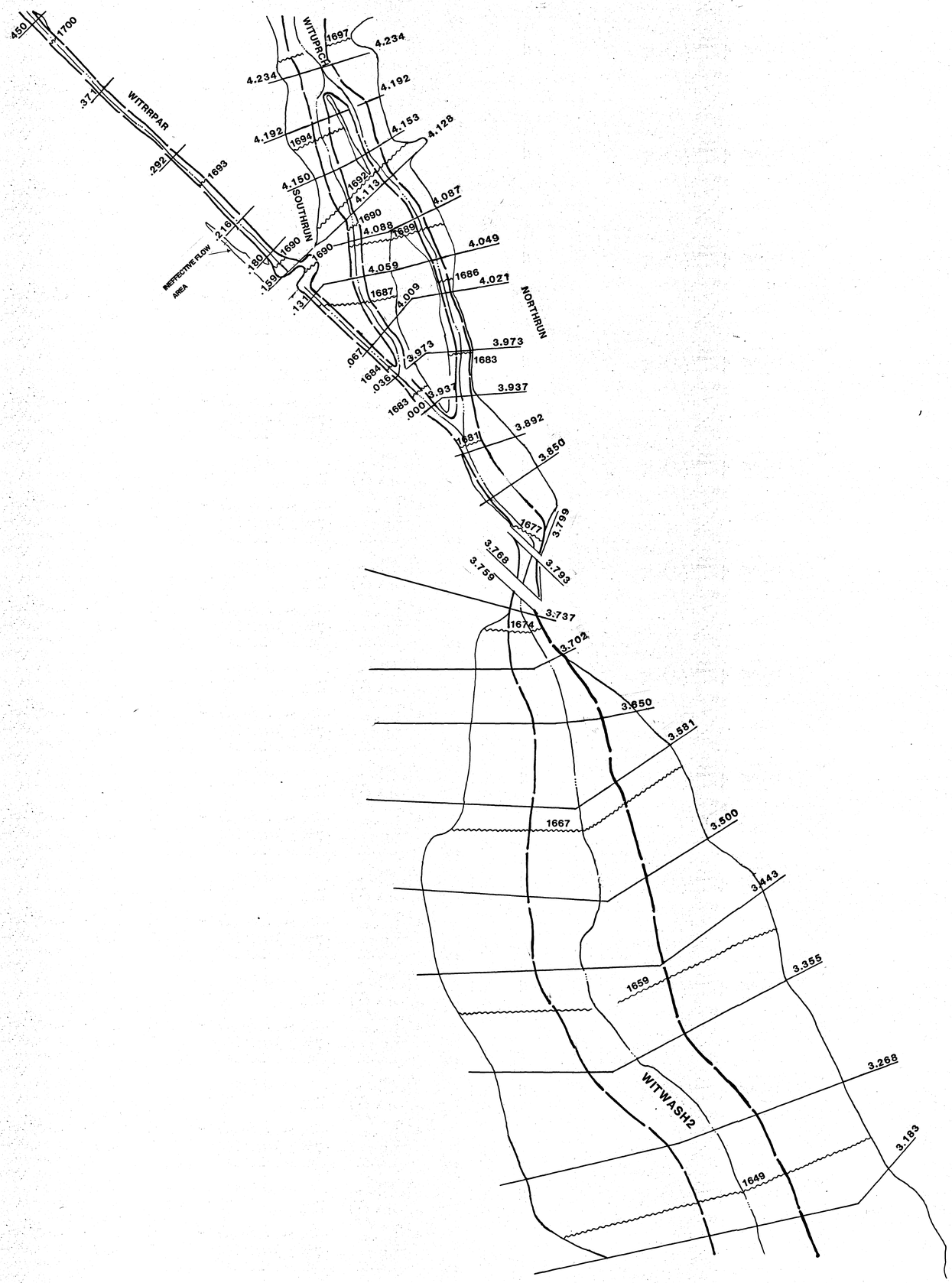
SCALE: 1" = 200'
200 100 0 200 400
CONTOUR INTERVAL 2 FEET

The WLB Group Inc. WLB
Cooper Aerial Survey Co.

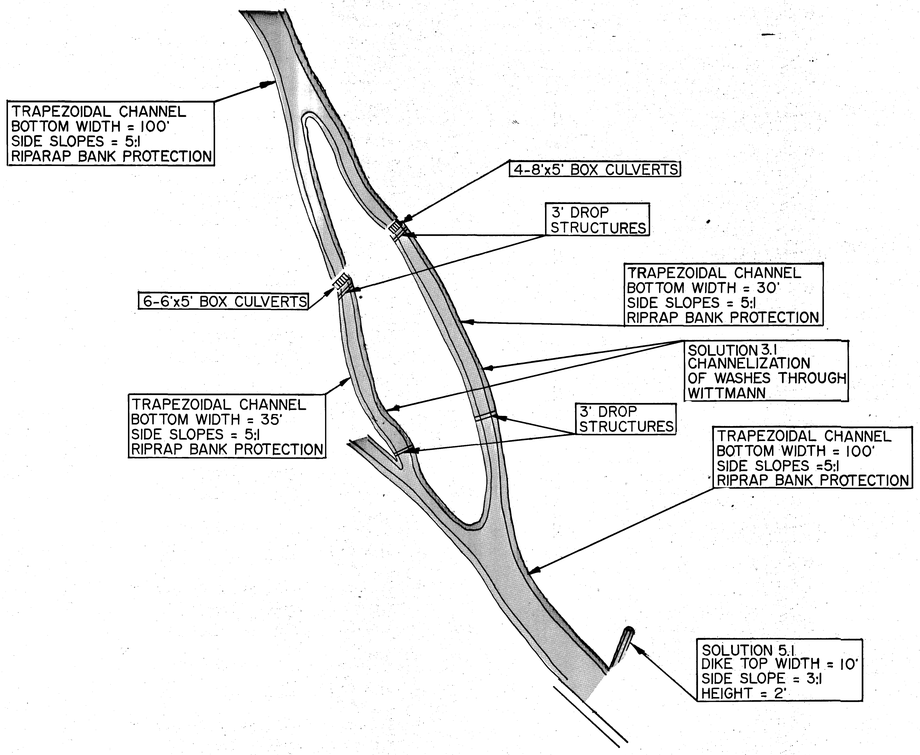
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
AERIAL MAPPING
FOR
WITTMANN ADMS
WITTMANN

W-2

DATE FLOWN: 10-6-86 | SHEET 55 OF 55



FLOODPLAIN/FLOODWAY MAP


TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 100'
SIDE SLOPES = 5:1
RIPARAP BANK PROTECTION
4-8'x5' BOX CULVERTS
3' DROP
STRUCTURES
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 30'
SIDE SLOPES = 5:1
RIPRAP BANK PROTECTION
6-6'x5' BOX CULVERTS
SOLUTION 3.1
CHANNELIZATION
OF WASHES THROUGH
WITTMANN
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 35'
SIDE SLOPES = 5:1
RIPRAP BANK PROTECTION
3' DROP
STRUCTURES
TRAPEZOIDAL CHANNEL
BOTTOM WIDTH = 100'
SIDE SLOPES =5:1
RIPRAP BANK PROTECTION
SOLUTION 5.1
DIKE TOP WIDTH = 10'
SIDE SLOPE = 3:1
HEIGHT = 2'