Paper Maps with Q's were also scanned and placed before the original mylars.

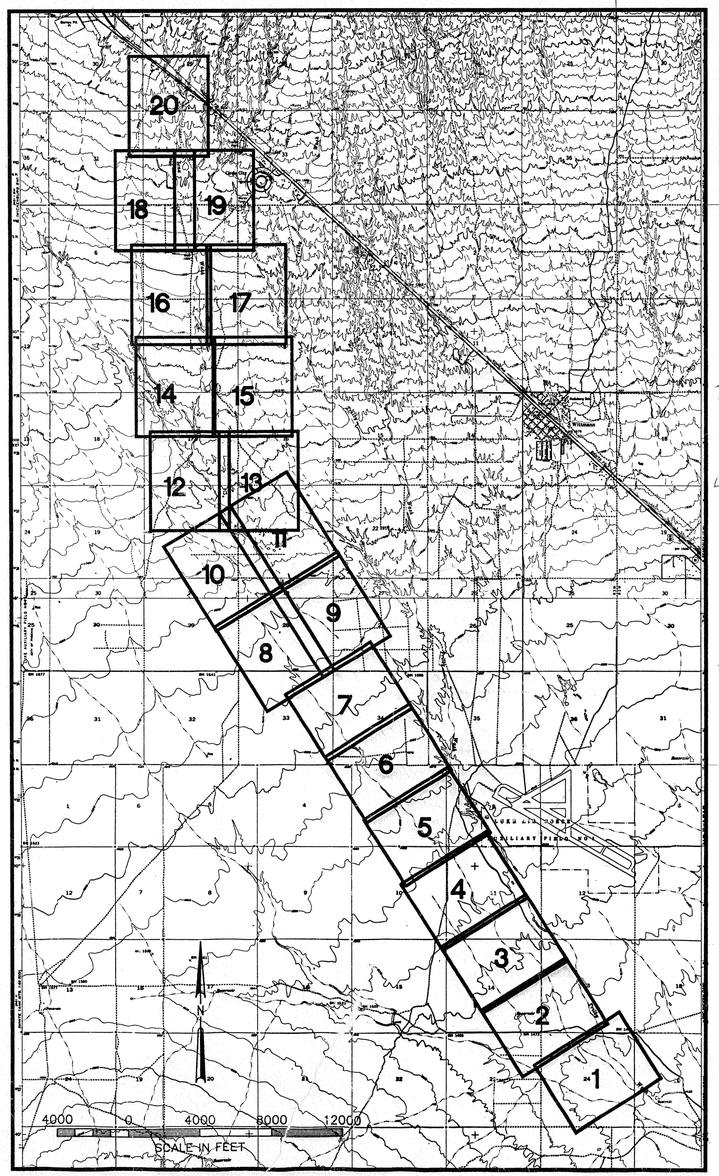
FLOOD INSURANCE STUDY

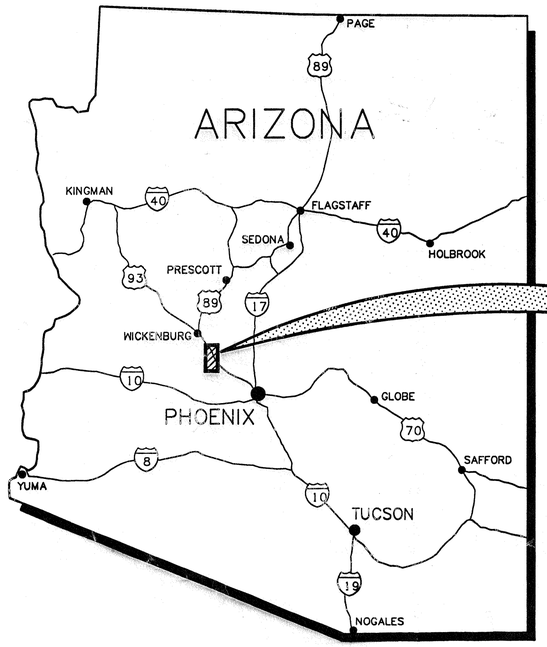
IONA WASH: FROM TRILBY WASH TO STATE ROUTE 89

FOR

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA

CONTRACT FCD 92-07





PROJECT LOCATION

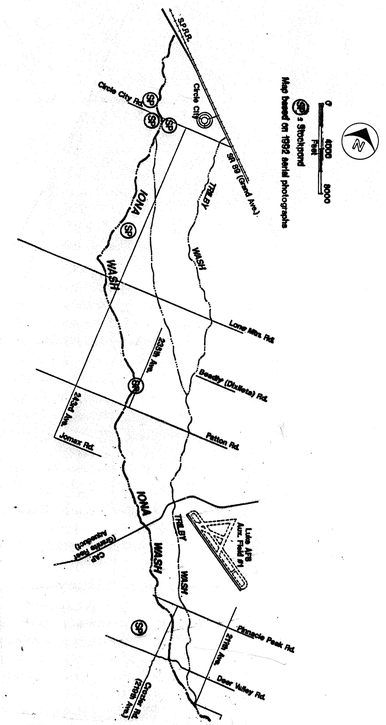


Table 1: Base Flood Discharge Rates (cfs)

ADMS Discharge	Drainage Area (mi^2)	Downstream HEC-2 Cross Section	Location
5,001	32.58	0.640	Trilby Confluence
5,309	31.33	3.713	CAP
5,360	23.77	7.709	Minor Tributary
4,915	22.11	7.800	Minor Tributary
2,371	8.87	9.289	SR 89

VICINITY MAP

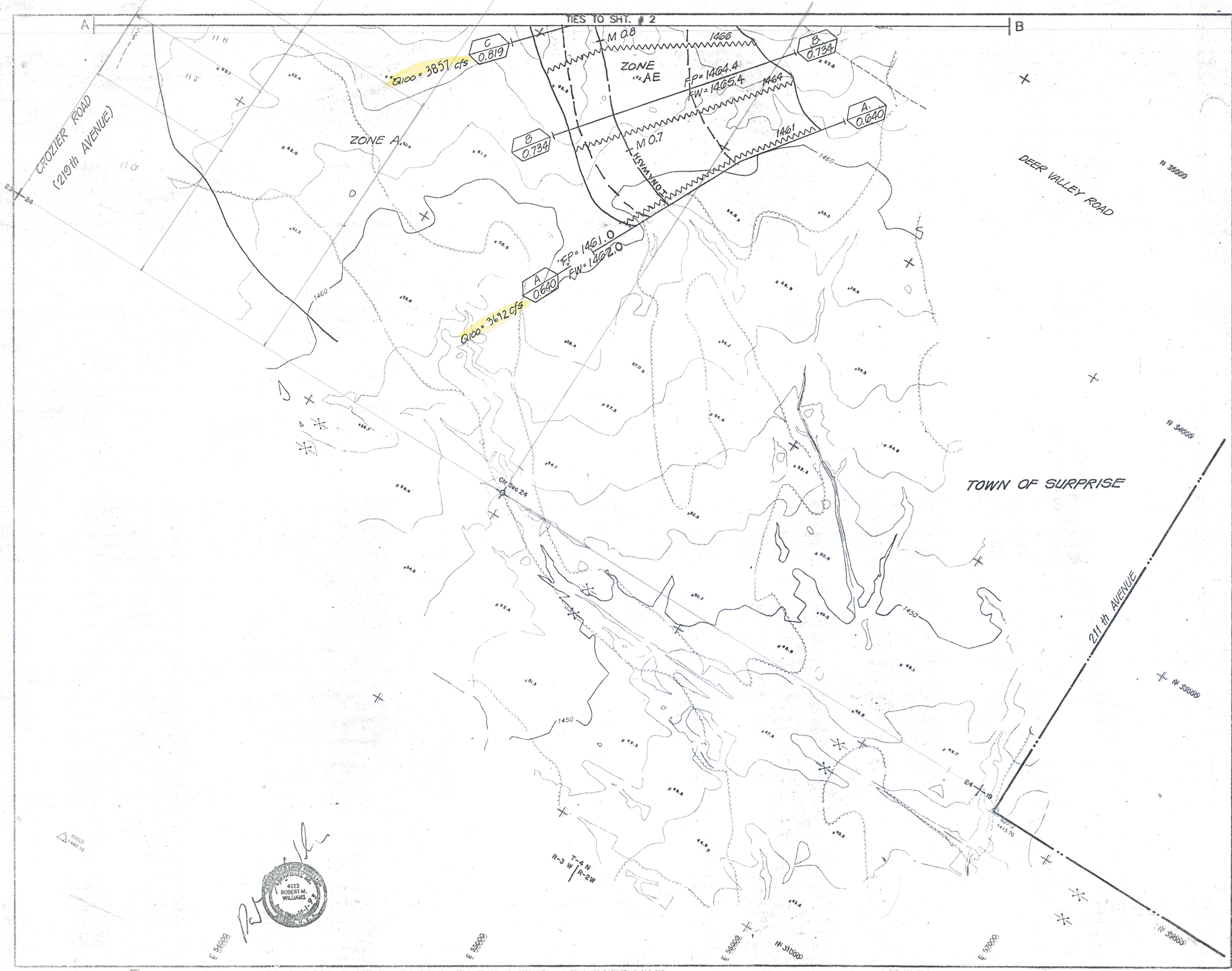
STUDY DATE: 1993

MAPPING DATE: 1992

AERIAL MAPPING: KENNEY AERIAL MAPPING

Registered Professional Engineer (Civil) CERTIFICATE NO. 26917 JONATHAN E. BUTLER Date Signed 10-4-93 ARIZONA, U.S.A.

CH2M HILL



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs | A 1.00 | FP = 100 Yr. WSE / FW = Floodway WSE | A 1.00
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE
- Surprise City Limits

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'
SCALE

CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHEAD PARKWAY SUITE
TEMPE, ARIZONA 85282-1843

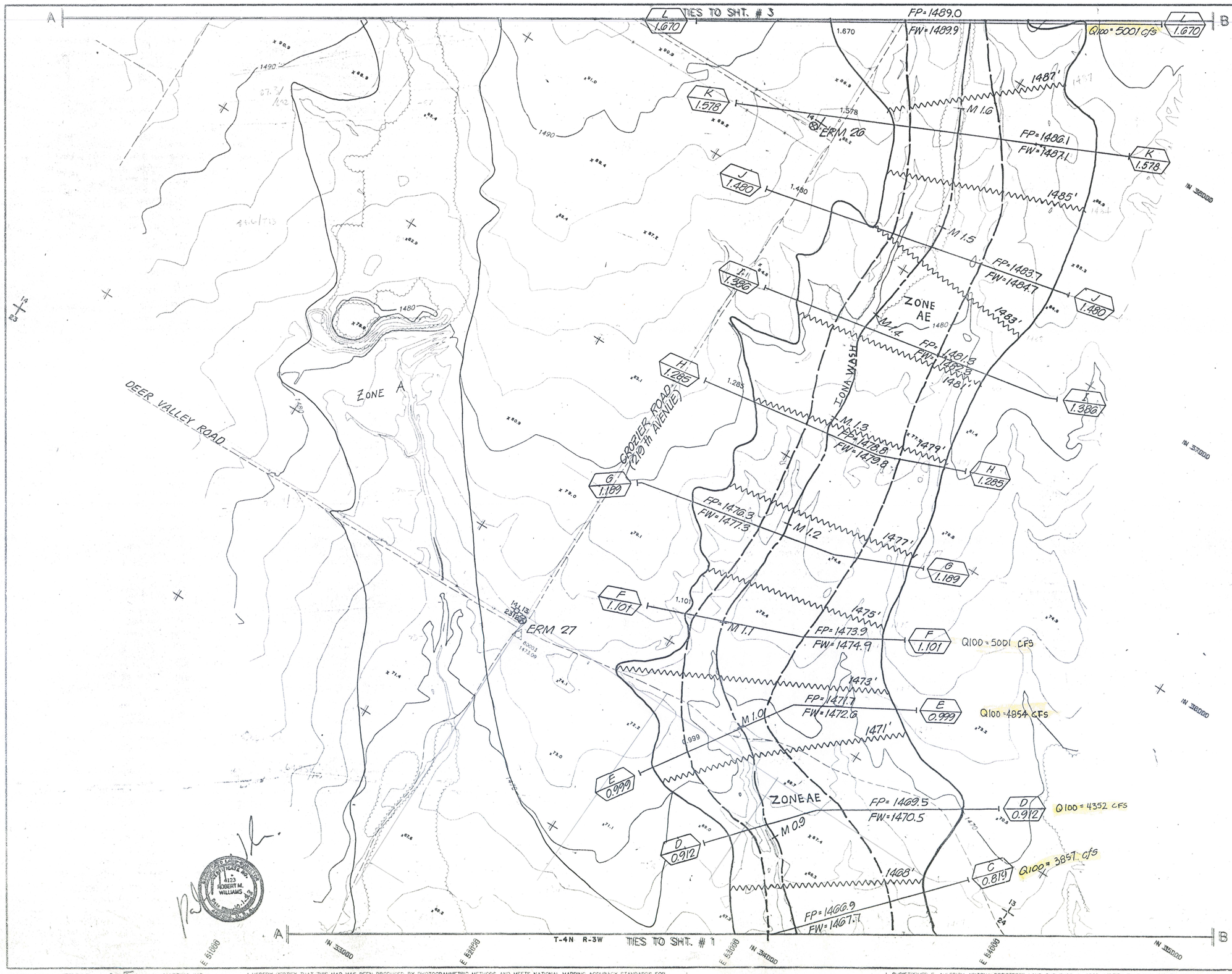
DESIGN	
DESIGN CHK.	
PLANS	
PLANS CHK.	

M-1

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cf/s; A 1.00 FP = 100 Yr. WSE; A 1.00 FW = Floodway WSE
- Elevation Reference Marks — ERM-4 ⊗
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 26	1483.46	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #26 located 7.5'± South, Southwest of the GLO Brass Cap marked ¼ S14/S13 1915
ERM 27	1473.51	Top of "Bureau of Reclamation Brass Cap" located at the Northwest corner of Deer Valley Road and 219th Avenue

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2M HILL

1620 WEST FOUNTAINHEAD PARKWAY SUITE 550
TEMPE, ARIZONA 85282-1843

DESIGN			SUBMITTED F
DESIGN CHK.			
PLANS			
PLANS CHK			

KENNEY AERIAL MAPPING INC. FLIGHT DATE: 11-13-92 RENO, NEVADA/LAS VEGAS, NEVADA

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19609 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. # 4

TIES TO SHT. # 2

ZONE A

ZONE AE

U 2.537 — FP=1512.1 FW=1513.1 — 1512.5' — Q100 = 5001 cfs

T 2.442 — FP = 1509.2 FW = 1510.2 — 1510'

S 2.346 — FP = 1506.1 FW = 1507.1 — 1507.5' — 1505'

R 2.251 — FP = 1503.5 FW = 1504.5 — 1502.5'

Q 2.159 — FP = 1501.1 FW = 1502.1 — 1500.5' — 1498.5'

P 2.064 — FP = 1498.7 FW = 1499.7 — 1497'

O 1.967 — FP = 1496.9 FW = 1497.9 — 1495'

N 1.866 — FP = 1493.8 FW = 1494.8 — 1493'

M 1.764 — Q100 = 5001 CFS — FP = 1491.3 FW = 1492.3 — 1491'

1.670 — 1489'

M2.5 · 1510 · M2.4 · M2.3 · M2.2 · M2.1 · M2.0 · M1.9 · M1.8 · M1.7

PINNACLE PEAK ROAD

CROZIER ROAD (219TH AVENUE)

IONA WASH

ERM 25

32N

Ctr Sec 1/4

T-4 N R-3W

E. 49000 · E. 50000 · E. 51000 · E. 52000

N 42000 · N 41000 · N 40000 · N 39000 · N 38000 · N 37000

A · B

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs — A 1.00 — FD = 100 Yr. WSE — FW = Floodway WSE — A 1.00
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 25	1498.53	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #25 located 11.0' + South of street sign marked "Pinnacle Peak Road" and 219th Avenue

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

4123 ROBERT M. WILLIAMS — 10-12-92

10809 CHRISTOPHER E. AULERICH — 10-7-92

CH2M HILL

1620 WEST FOUNTAINHEAD PKWY
TEMPE, ARIZONA 85282-1171

DESIGN

DESIGN CHK

PLANS

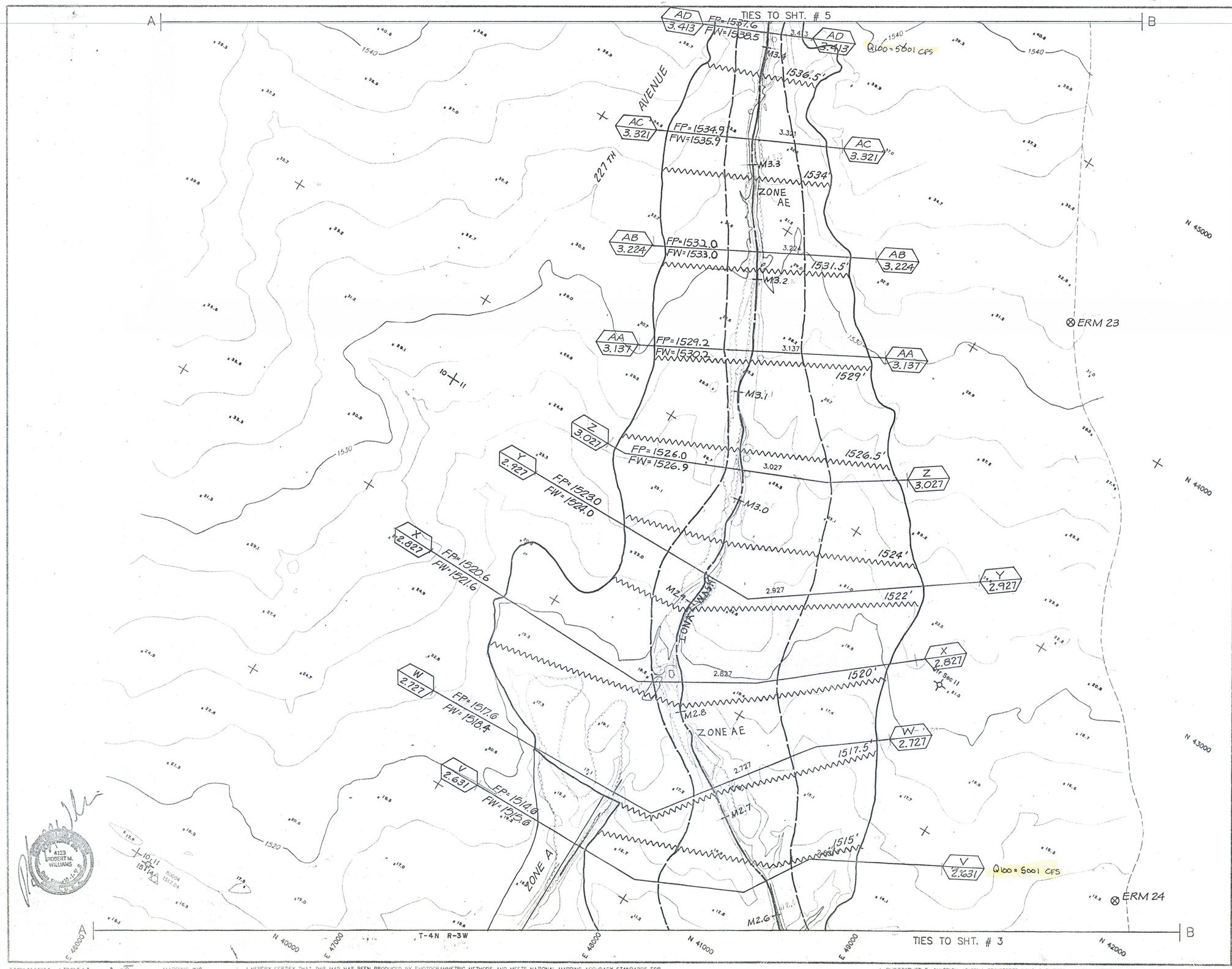
PLANS CHK

M-3

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 10809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs; A 100; FD = 100 Yr. WSE; FW = Floodway WSE; A 100
- Elevation Reference Marks — ERM-4 ⊗
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 23	1527.02	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #23 located 30'+ West of the West side of the dirt roadway
ERM 24	1510.67	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #24 located 23'+ West of the West edge of the dirt roadway

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN			
DESIGN CHK.			
PLANS			
PLANS CHK.			

M-4

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA FLIGHT DATE: 11-12-92

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CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. # 6

A

B

AO 4.306 FP = 1561.6' FW = 1562.4

AN 4.214 FP = 1558.7 4.214 FW = 1559.7

AM 4.119 4.119 FP = 1556.1 FP = 1557.0

AL 4.010 4.010 FP = 1553.3 FW = 1553.5

AK 3.917 3.917 FP = 1550.8 * Ponded W.S. El. = 1552.35

AJ 3.821 3.821 FP = 1548.7 * Ponded W.S. El. 1552.35

AI 3.713 3.713 * Ponded W.S. El. 1552.35

AF 3.617 FP = 1541.7 FW = 1542.9

AE 3.514 FP = 1540.1 FW = 1541.1

M4.3 M4.2 M4.1 M4.0 M3.9 M3.8 M3.7 M3.6 M3.5 M3.4 M3.3 M3.2 M3.1 M3.0

1561' 1558.5' 1556 1554 1550 1542 1540.5 1539'

Ctr Sec 3

ZONE A

ZONE AE

IONA WASH

LIMIT OF RETAILED STUDY

LIMIT OF TOPOGRAPHIC COVERAGE (TIES INTO SHEET M-21)

Q100 = 5309 CFS

Q100 = 5309 cfs

Q100 = 5001 cfs

Q100 = 5001 cfs

ERM 22 ⊗ 1543.08

* Ponded Water Surface Elevation Per Wittmann ADMS (approved)

N 49000 N 48000 N 47000 N 46000 N 45000

E. 44000 E. 45000 E. 46000 E. 47000

TIES TO SHT. # 4

T-4N R-3W

3.413

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs; A 1.00 FD = 100 Yr. WSE; A 1.00 FW = Floodway WSE
- Elevation Reference Marks — ERM-4 ⊗
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 22	1543.08	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #22 located 15'+ West of the West edge of a dirt roadway

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 15809 CHRISTOPHER E. AULERICH ARIZONA U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 4123 ROBERT M. WILLIAMS ARIZONA U.S.A.

CH2M HILL

1620 WEST FOUNTAINHEAD PARKWAY TEMPE, ARIZONA 85282

DESIGN

DESIGN CHK.

PLANS

M-5

KENNEY AERIAL MAPPING, INC. PHOENIX, ARIZONA · LAS VEGAS, NEVADA FLIGHT DATE: 11-13-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH, ARIZONA REGISTERED LAND SURVEYOR # 15809 CERTIFY THAT THE SURVEY CONTROL USED COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

TIES TO SHT. # 7

A

B

Q100=5320 cfs

AW 5.095

FP=1585.8
FW=1586.5

1586'

M 5.1

5.095

AV 4.988

1584'

M 5.0

4.988

FP=1582.8
FW=1583.2

AV 4.988

AQ 4.893

4.893

ZONE AE

1581'

TOWN OF SURPRISE

M 4.9

FP=1578.4
FW=1578.9

AU 4.893

1577.5'

M 4.8
FP=1574.5
FW=1575.1

1574.5'

AT 4.789

4.789

AT 4.789

ZONE A

LIMIT OF STUDY AREA

AS 4.694

1572'

M 4.7 FP=1571.5
FW=1572.2

4.694

AS 4.694

1570'

AR 4.596

M 4.6 FP=1569.3
FW=1570.3

4.596

AR 4.596

PINAL WASH

1568'

AQ 4.497

FP=1566.9
FW=1567.8

M 4.5

4.497

AQ 4.497

1566'

AP 4.403

ZONE AE

FP=1564.5
FW=1565.5

M 4.4

4.403

1563.5'

AP 4.403

Q100 = 5320 cfs

Q100 = 5309 cfs

FP=1561.6
FW=1562.4

AO 4.306

ERM 20

T-5 N R-3W
T-4 N R-3W

N 52000

N 51000

N 50000

N 49000

N 48000

N 47000

E 43000

E 43800

E 44000

E 45000

TIES TO SHT. # 5

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs (A/100) FP = 100 Yr. WSE (A/100) FW = Floodway WSE
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE
- Surprise City Limits

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 20	1570.45	Top of G.L.O. Brass Cap marked S34 | S35 1916 SC

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FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2M HILL

1620 WEST FOUNTAINHEAD PARK
TEMPE, ARIZONA 85282-1847

DESIGN

DESIGN CHK.

PLANS

NO.

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL OF COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATI

TIES TO SHT. #8 & 9

A

B

ERM 2

M 6.0

FP=1613.6
FW=1614.3

BD
5.765
FP=1607.9
FW=1608.8

ZONE AE

M 5.9

FP=1611.1
FW=1612.1

IONA WASH

M 5.8

BC
5.668
FP=1605.0
FW=1606.0

M 5.7

BB
5.577
FP=1602.0
FW=1602.9

M 5.6

M 5.5

FP=1599.6
FW=1600.4

BA
5.485

M 5.4

AZ
5.386
FP=1596.6
FW=1597.6

M 5.3

AY
5.287
FP=1592.5
FW=1593.1

M 5.2

AX
5.189
FP=1587.9
FW=1588.5

Q100 = 5330 cfs

Q100 = 5320 cfs

135TH AVENUE

BG
6.026
FP=1615.4
FW=1616.3

Q100 = 5340 cfs

BF
5.945

Q100 = 5340 cfs

BE
5.858

Q100 = 5330 cfs

TOWN OF SURPRISE

PATTON ROAD

ERM 1

ZONE A

1616'
1614'
1611.5'
1608.5'
1606'
1603.5'
1601'
1598.5'
1595.5'
1592'
1588'

1620
1610
1600
1590

N 55000
N 54000
N 53000
E 40000
N 51000
E 41000
T-5N R-3
TIES TO SHT. # 6
E 42000
N 52000
E 43000

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile (M4.0, M5.0)
- Cross Section: Q 100-XXX cfs; A/100 FP = 100 Yr. WSE; A/100 FW = Floodway WSE
- Elevation Reference Marks: ERM-4
- Base Flood Elevations: 1500
- Zone Designations: ZONE AE
- Surprise City Limits

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 2	1613.46	Top of Maricopa County Highway Department Brass Cap In handhole located at the Intersection of Patton Road and 235th Avenue
ERM 1	1605.88	TOP OF MARICOPA COUNTY HIGHWAY DEPARTMENT BRASS CAP FLUSH WITH PAVEMENT AT THE INTERSECTION OF 230TH AVENUE AND PATTON ROAD

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 19809 CHRISTOPHER E. AULERICH ARIZONA, U.S.A.

REGISTERED PROFESSIONAL ENGINEER CERTIFICATE NO. 4123 ROBERT M. WILLIAMS ARIZONA, U.S.A.

CH2M HILL

1620 WEST FOUNTAINHEAD PARKWAY, SUITE
TEMPE, ARIZONA 85282-1843

DESIGN		SHT
DESIGN CHK.		
PLANS		
PLANS CHK.		

M-7

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

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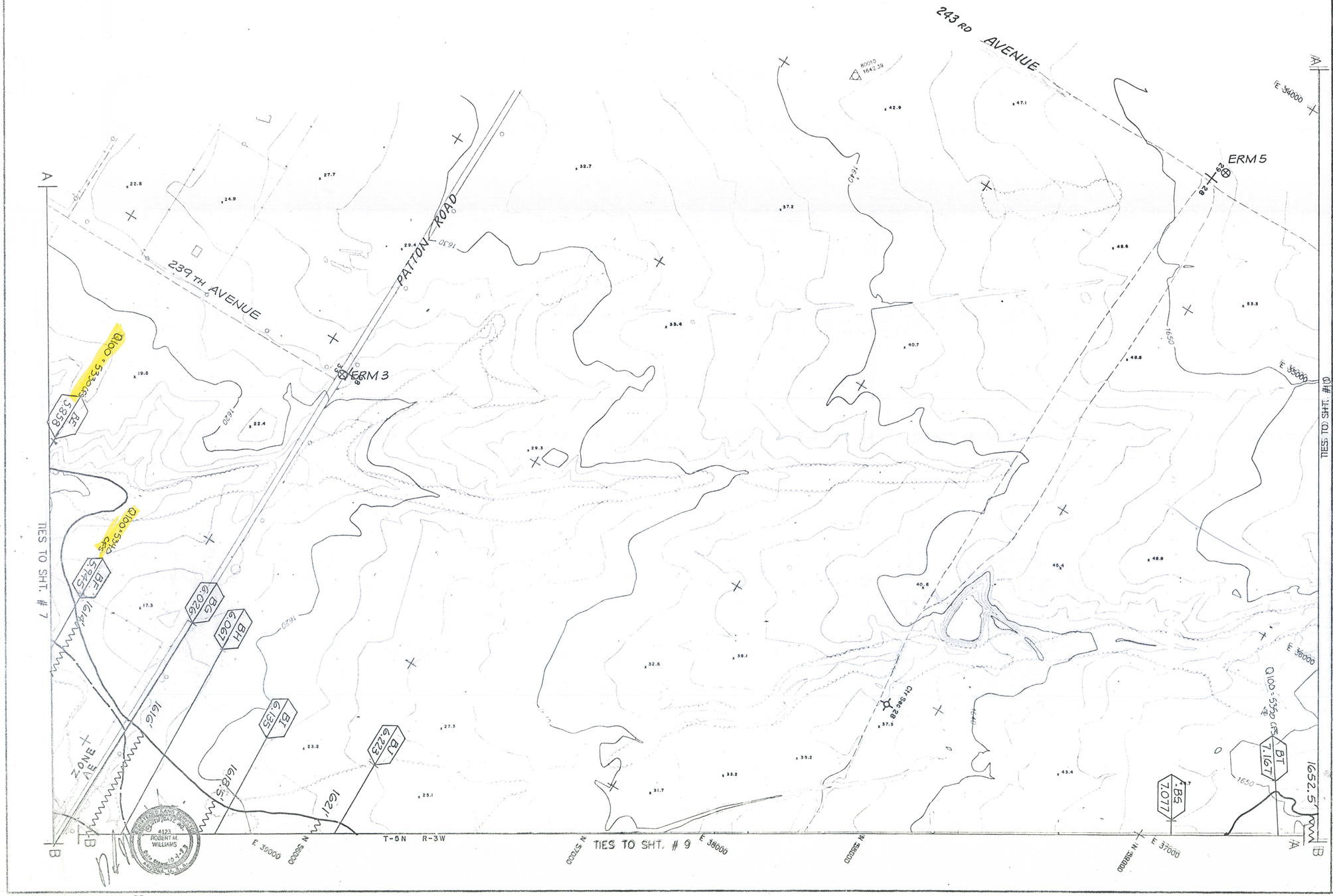
FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07



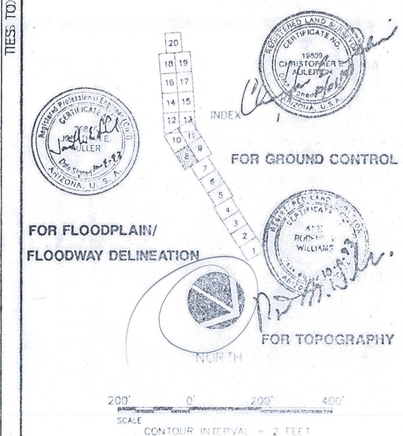
LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100-XXX cfs (A 1.00) FD = 100 Yr. WSE (A 1.00) FW = Floodway WSE
Elevation Reference Marks	ERM-4 ⊗
Base Flood Elevations	1500
Zone Designations	ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 3	1622.28	Top of Maricopa County Highway Department Brass Cap flush with pavement at the Intersection of Patton Road and 239th Avenue
ERM 4	1636.61	Top of Maricopa County Highway Department Brass Cap flush with pavement at the Intersection of Patton Road and 243rd Avenue
ERM 5	1650.98	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #5 located 0.5 miles North of Patton Road on 243rd Avenue on the West side of roadway



CH2M HILL
1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN	
DESIGN CHK.	
PLANS	
PLANS CHK.	

M-8

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-13-92

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TIES TO SHT. # 8

TIES TO SHT. # 7

TIES TO SHT. # 11

ZONE AE

IONA WASH

235 TH AVENUE

Q100=5340 cfs

Q100=5350 cfs

Q100=5330 cfs

1618.5'

1621'

1623'

1625.5'

1628.5'

1631'

1633.5'

1635.5'

1638.5'

1641'

1643.5'

1646'

1649'

1652.5'

E 42000

E 41000

E 40000

E 39000

N 59000

N 60000

T-5N R-3W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs | A 1.00 | FD = 100 Yr. WSE | FW = Floodway WSE | A 1.00
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'

SCALE

CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN	
DESIGN CHK.	
PLANS	
PLANS C	

M-9

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL. MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; A 1.00; FD = 100 Yr. WSE; FW = Floodway WSE; A 1.00

Elevation Reference Marks — ERM-4

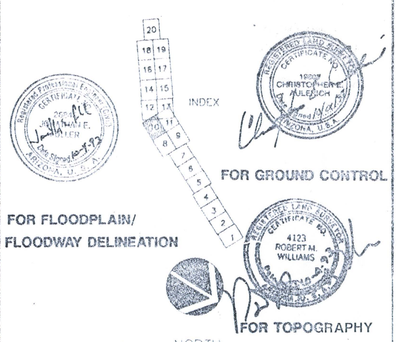
Base Flood Elevations — 1500

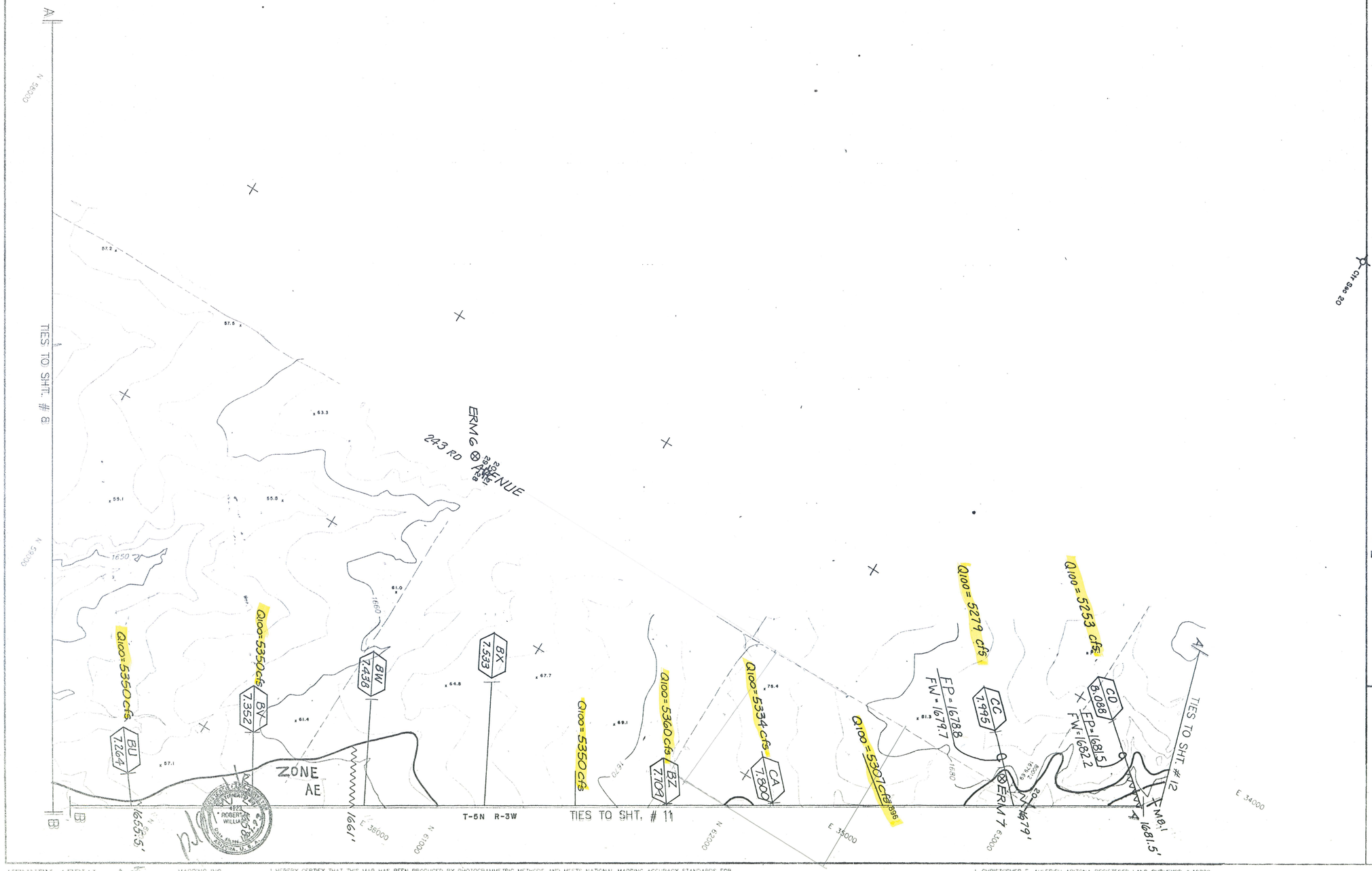
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 6	1665.63	Top of 1 1/2" Aluminum Cap marked Iona Wash FS ERM #6 located 1 mile North of Patton Road on 243rd Avenue (dirt), 125' North of a water tank on the West side of roadway
ERM 7	1679.60	Top of 1 1/2" Aluminum Cap marked Iona Wash FS ERM #7 located 325'+ South of the centerline of the Iona Wash and 20'+ West of the existing dirt roadway; also 3'+ Southwest of a found 1 1/2" Aluminum Cap marked FCDMC 14





KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND

M-10

TIES TO SHEET # 10

243RD AVENUE

IONA WASH

ZONE AE

ZONE AE

TIES TO SHEET # 9

TIES TO SHT. # 13

235TH AVENUE

T-5N R-3W

FP=1650.3 FW=1650.3

FP=1652 FW=1650.0

FP=1653 FW=1652.2

FP=1654.8 FW=1655.8

FP=1658.0 FW=1658.8

FP=1670.7 FW=1671.5

FP=1673.4 FW=1674.2

FP=1676.0 FW=1677.0

FP=1678.8 FW=1679.7

Q100 = 5350 CFS

Q100 = 5334 CFS

Q100 = 5360 CFS

Q100 = 5279 CFS

Q100 = 5307 CFS

BU 1.264

BV 1.352

BW 1.438

BX 1.533

BY 1.624

BZ 1.709

CA 1.800

CB 1.896

CC 1.985

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — $Q_{100\text{-}XXX\ cfs}$ (A/100) FD - 100 Yr. WSE (A/100) FW - Floodway WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0 200' 400'

SCALE

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAIN
TEMPE, ARIZONA 85

DESIGN

DESIGN CHK

PI

KENNEY AERIAL MAPPING INC. FLIGHT DATE: 11-10-92

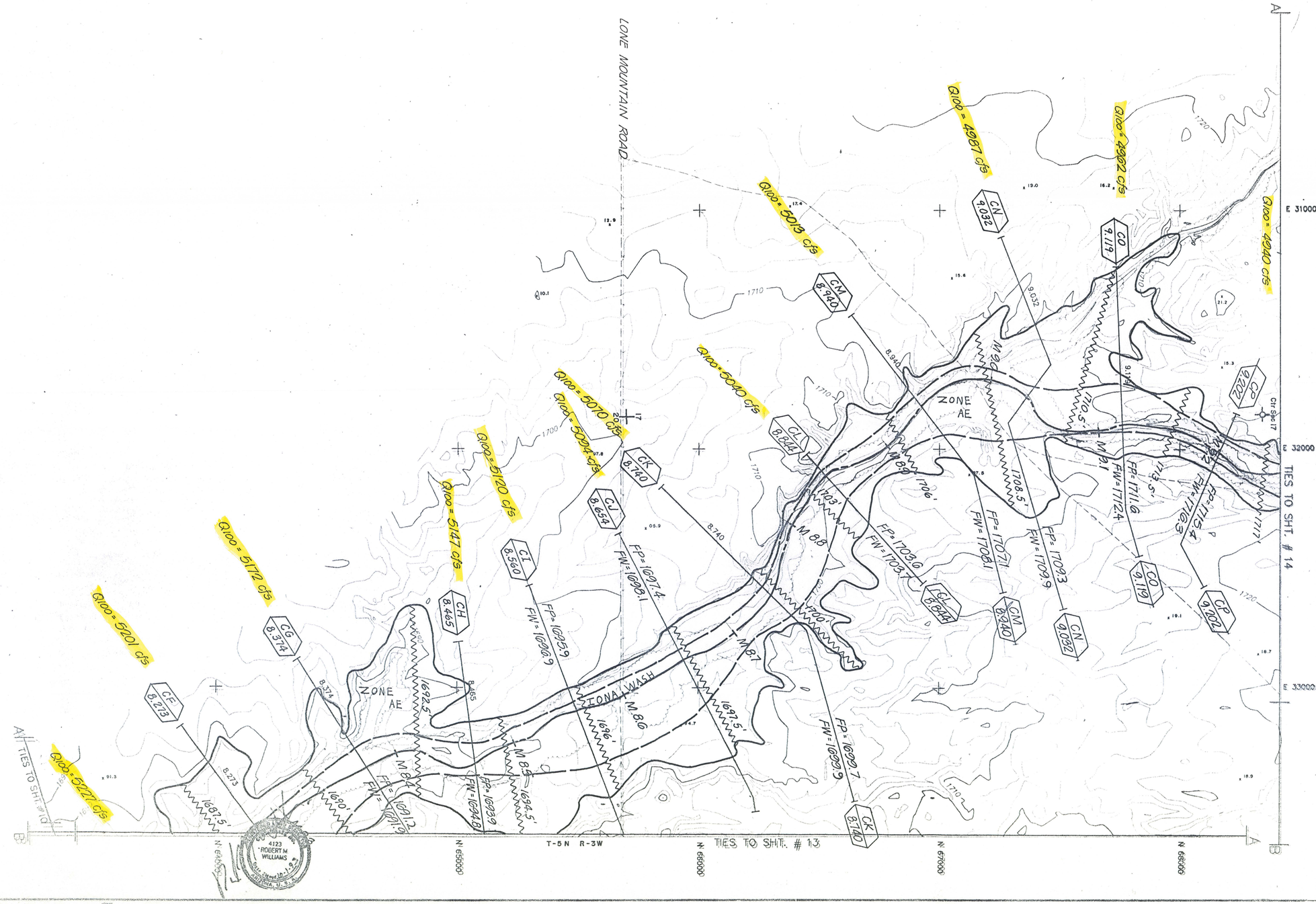
I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER F. AULERICH.

CH2M HILL

I, CHRISTOPHER F. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19409 CERTIFY THAT THE SURVEY CONTRO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFI

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07



LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	$Q_{100\text{-}XXX\ cfs}$ A 1.00 — FP = 100 Yr. WSE; FW = Floodway WSE — A 1.00
Elevation Reference Marks	ERM-4 ⊗
Base Flood Elevations	1500
Zone Designations	ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHE
TEMPE, ARIZONA 8528

DESIGN
DESIGN CHK
PLANS

M-12

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA LAS VEGAS, NEVADA
FLIGHT DATE: 11-13-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USE COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATION

TIES TO SHT. #12

CE 8182 | CG 8374 | CH 8405 | CI 8560 | CJ 8654 | CE 8182 | CF 8213 | CE 8182 | CO 8083

IONA WASH

IONA M 8.21

FP = 1688.5
FW = 1689.5
1681.5'

FP = 1694.9
FW = 1695.4
1684.5'

FP = 1681.5
FW = 1682.2

1681.5'

FP = 1693.9
FW = 1694.8

ZONE AE

Q100 = 5201 cfs

Q100 = 5227 cfs

Q100 = 5259 cfs

243RD AVENUE

ERM 8

ERM 9

CONE MOUNTAIN ROAD

239TH AVE

ZONE A

LIMIT OF STUDY AREA

TIES TO SHT. # 111

TIES TO SHT. # 15

E 34000

E 35000

E 36000

E 37000

N 64000

N 65000

N 66000

N 67000

N 68000

T-5N R-3

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL. MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 18809 CERTIFY THAT THE SURVEY CONTROL COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICA"

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs | A 100 | FP = 100 Yr. WSE / FW = Floodway WSE | A 100
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 8	1696.93	Top of G.L.O. Brass Cap marked 1916 — S17 | S16 / S20 | S21
ERM 9	1717.54	Top of G.L.O. Brass Cap marked 1/4 1916 — S17 | S16

INDEX

20 | 18 19 | 16 17 | 14 15 | 12 13 | 10 11 | 8 9 | 7 6 | 5 4 | 3 2 | 1

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200'
SCALE
CONTOUR INTERVAL

CH2M HILL
1620 WEST FOU
TEMPE, ARIZON

DESIGN
DESIGN CH
DP

M-13

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs (A / 100) FP = 100 Yr. WSE (A / 100) FW = Floodway WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN
DESIGN CHK
PLANS
PLANS CHK

M-14

TIES TO SHT. # 16

TIES TO SHT. # 12

TIES TO SHT. # 15

T-5N R-3W

E 29000 E 30000 E 31000 E 32000 E 33000

N 69000 N 70000 N 71000

Ctr Sec 8

ZONE AE

IONA WASH

Q100 = 4015 cfs

Q100 = 609 cfs

Q100 = 609 cfs

FP=17350 FW=17357

FP=17309 FW=17306

FP=17405 FW=17408

FP=17493 FW=17499

FP=17542 FW=17549

FP=17525 FW=17595

FP=17205 FW=17254

FP=17205 FW=17215

FP=17188 FW=17190

FP=17216

CR 9289 · CR 9387 · CS 9480 · CT 9558 · CU 9617 · CV 9770 · CW 9865 · CX 9963 · CY 10.051 · CZ 10.139 · DA 10.232

M95 M96 M97 M98 M99 M100 M101 M102 M103

1193' 1721.5' 1724' 1728' 1730' 1737.30' 1744.5' 1752' 1756.5' 1760.5'

4123 ROBERT M. WILLIAMS

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL. MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. #14

TIES TO SHT. # 13

TIES TO SHT. # 17

CR 9.289 · CR 9.367 · CG 9.490 · CT 9.586 · CU 9.677 · CV 9.770 · CW 9.865 · CX 9.963 · CY 10.054 · C2 10.139 · DA 10.232

ERM 10

ERM 11

243rd AVENUE

ZONE A

E 34000

E 35000

E 36000

E 37000

N 69000

N 70000

N 71000

N 72000

N 73000

Ctr Sec 9

T-5N R-3W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs; A / 100; FP - 100 Yr. WSE; FW - Floodway WSE; A / 100
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 10	1735.29	Top of G.L.O. Brass Cap marked 1916 S9 / S20 | S21
ERM 11	1758.40	Top of G.L.O. Brass Cap marked 1/4 S8 | S9 1916

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FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHEAD PARKWAY SUITE A
TEMPE, ARIZONA 85282-1843

DESIGN			SUBMITTED
DESIGN CHK			
PLANS			
PLANS CHK			

M-15-IN

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-93

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

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FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; FP - 100 Yr. WSE / FW - Floodway WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'
SCALE

CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHEAD
TEMPE, ARIZONA 85282-1

DESIGN
DESIGN CHK
PLANS
PLANS

M1-16

25th AVENUE

TIES TO SHT. # 14

TIES TO SHT. # 18

TIES TO SHEET #19

TIES TO SHT. # 17

E 29000
E 30000
E 31000
E 32000

Q100 = 669 cfs

Q100 = 709 cfs

IONA WASH

ZONE AE

ZONE A

T-5N R-3W

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

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TIES TO SHT. # 16

TIES TO SHT. # 15

TIES TO SHT. # 19

ZONE A

DB 10.520 | DC 10.426 | DD 10.516 | DE 10.620 | DF 10.710 | DG 10.820 | DH 10.891 | DI 10.984 | DJ 11.079 | DK 11.174 | DL 11.268

ERM 12

ERM 13

243rd AVENUE

E 33000 | E 34000 | E 35000 | E 36000 | E 37000

N 74000 | N 75000 | N 76000

T-5W R-3W

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs | A 100 | FP = 100 Yr. WSE | FW = Floodway WSE | A 100
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 12	1786.77	Top of G.L.O. Brass Cap marked T5N R3W 1916 S5 | S4 S8 | S9
ERM 13	1814.28	Top of G.L.O. Brass Cap marked 1/4 S5 | S4 1916

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FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 19809 CHRISTOPHER E. AULERICH ARIZONA, U.S.A.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 4123 ROBERT M. WILLIAMS ARIZONA, U.S.A.

CH2M HILL
1620 WEST FOUNTAINHEAD PARKWAY P.O. BOX 91500
TEMPE, ARIZONA 85282-1843

DESIGN		
DESIGN CHK		
PLANS		
PLANS CHK		

17-17

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; A 1.00; FD - 100 Yr. WSE; FW - Floodway WSE; A 1.00

Elevation Reference Marks — ERM-4

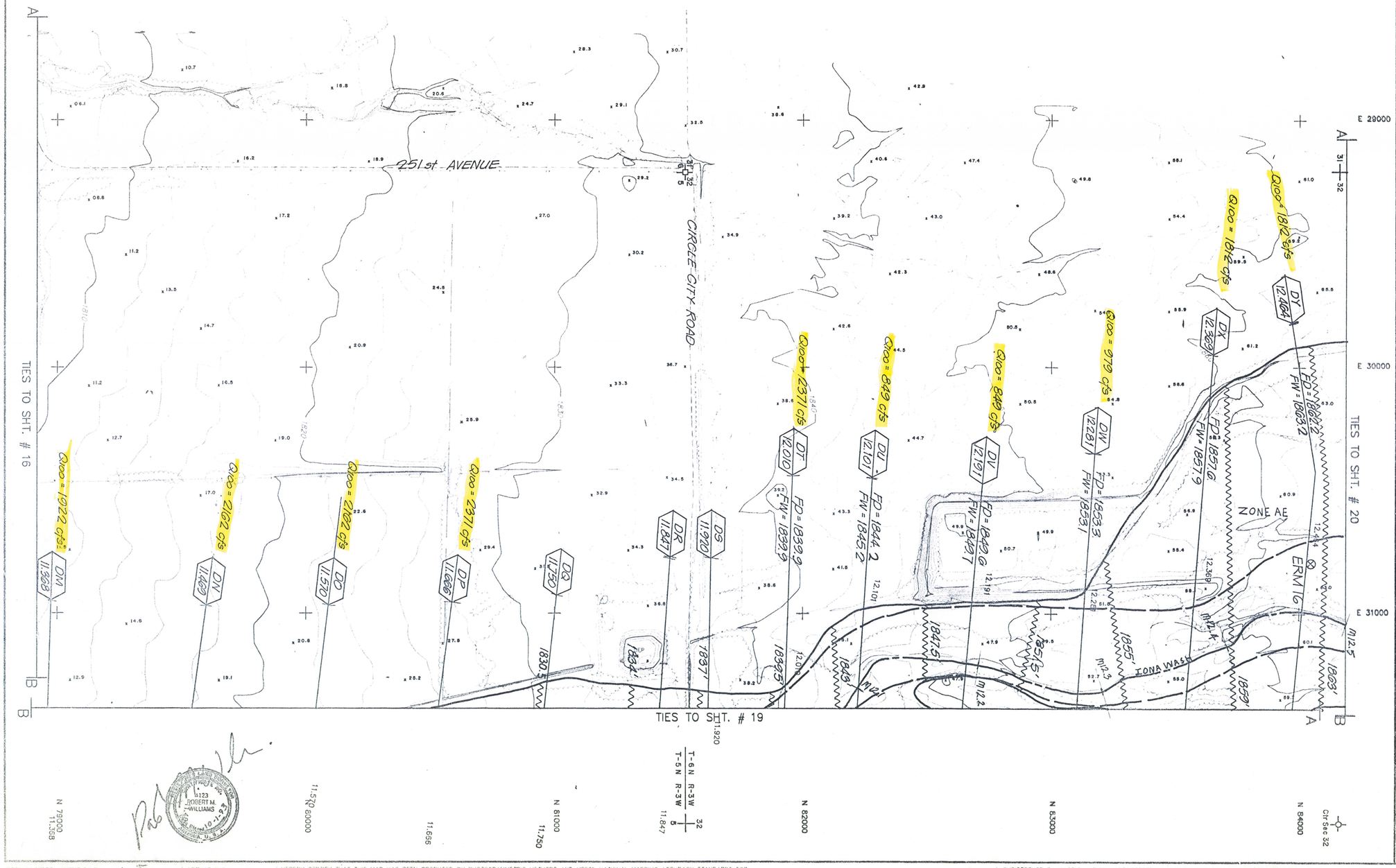
Base Flood Elevations — 1500

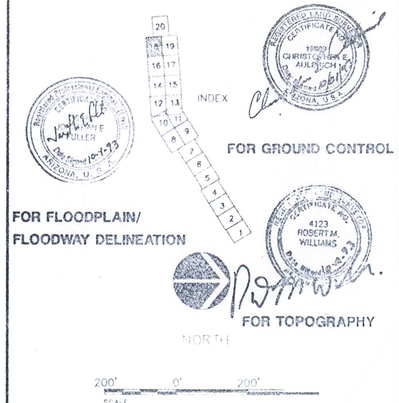
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 16	1862.43	Top of 1½" Aluminum Cap marked Iona Wash FS ERM #16 of the Iona Wash road crossing, 0.5± miles North of Township line





KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA

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CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

CH2M HILL
1620 WEST FOUNTAIN
TEMPE, ARIZONA 85

DESIGN
DESIGN CHK.
PLANS
PLANS CHK.

M-18

TIES TO SHT. # 18

TIES TO SHT. # 17

TIES TO SHT. # 20

ZONE A

ZONE AE

IONA WASH

ERM 15

ERM 14

Q100 = 212 CFS

Q100 = 2371 CFS

Q100 = 2371 CFS

Q100 = 849 CFS

Q100 = 919 CFS

E 32000

E 33000

E 34000

N 79000

N 80000

N 81000

N 82000

N 83000

N 84000

T-6N R-3W

T-5N R-3W

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs | A 100 | FD = 100 Yr. WSE | FW = Floodway WSE | A 100

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION		
ERM 14	1847.54	Top of G.L.O. Brass Cap marked T6N R3W 1916	S32 S5	S.13 S.4
ERM 15	1838.91	Top of 1½" Aluminum Cap marked Iona Wash FS ERM #15 located on the South side of an East West roadway 10'± North of an East West fence line		

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0 200' 400'
SCALE

CONTOUR INTERVAL = 2' FEET

CERTIFICATE OF SURVEY
19809
CHRISTOPHER E. AULERICH
PHOENIX, U.S.A.

CERTIFICATE OF SURVEY
4123
ROBERT M. WILLIAMS
10-31-92

CERTIFICATE OF SURVEY
4123
ROBERT M. WILLIAMS
11-12-92

CERTIFICATE OF SURVEY
JOHANNE E. FOLLER
ARIZONA, U.S.A.

CH2M HILL

1620 WEST FOUNTAINHEAD
TEMPE, ARIZONA 85282

DESIGN

DESIGN CHK.

PLANS

91-15

KENNEY AERIAL MAPPING INC.
PHOENIX, ARIZONA LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; A 1.00 FD = 100 Yr. WSE; A 1.00 FW = Floodway WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION	
ERM 17	1902.43	Top of G.L.O. Brass Cap marked 1/4	S29 / S32

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN	
DESIGN CHK.	
PLANS	
PLANS CHK.	

M-20

TIES TO SHT. # 18 & 19

T-6N R-3W

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA AND GRASS VALLEY, NEVADA — FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS ... TS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE ... ROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH.

OH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

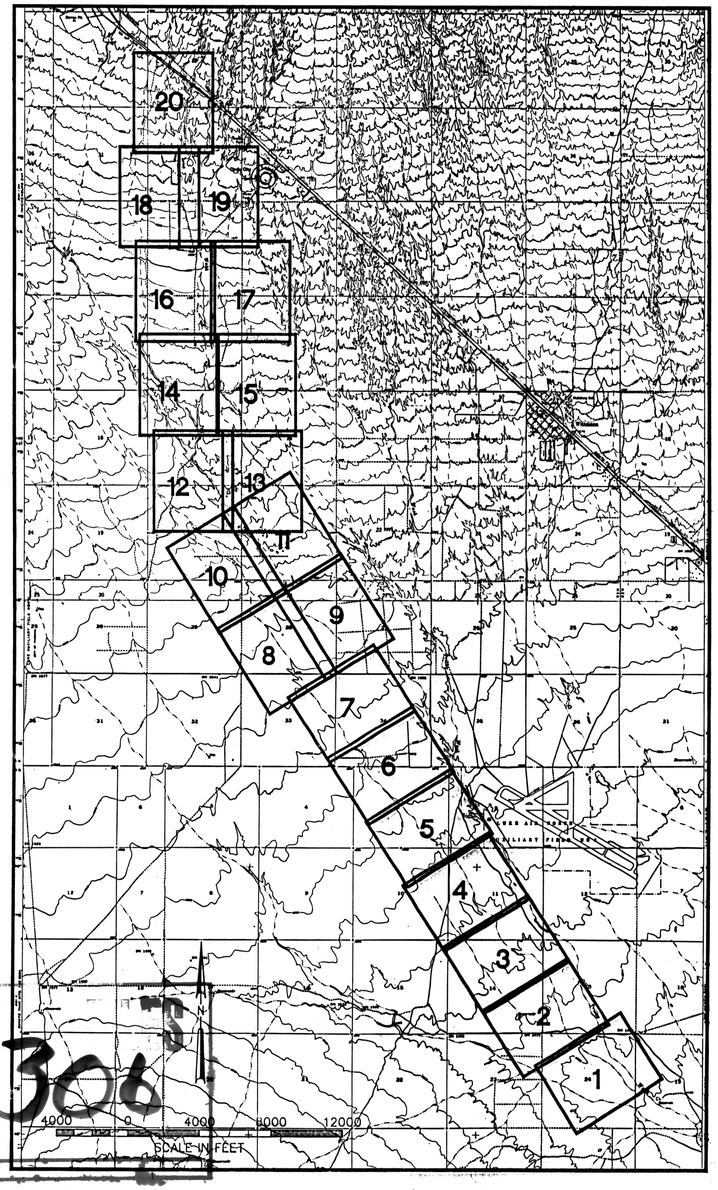
FLOOD INSURANCE STUDY

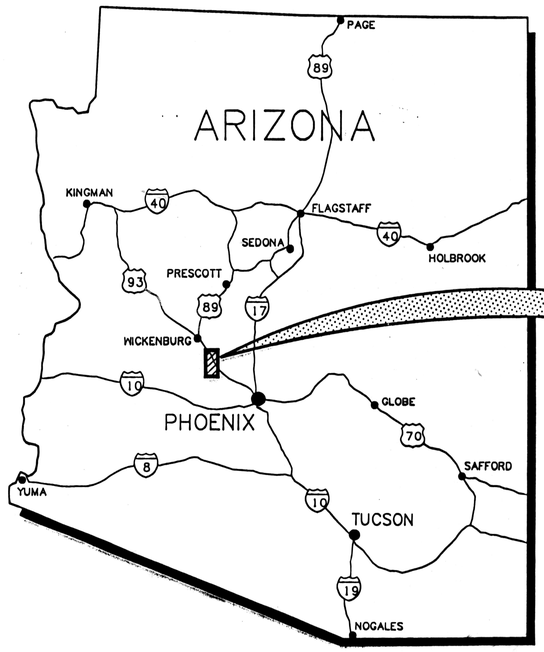
IONA WASH: FROM TRILBY WASH TO STATE ROUTE 89

FOR

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA

CONTRACT FCD 92-07





PROJECT LOCATION

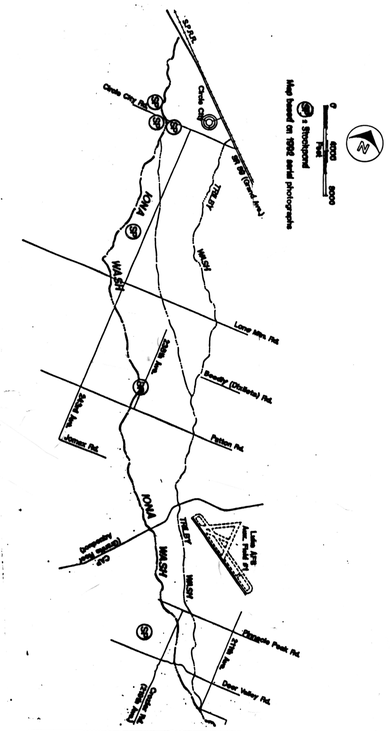


Table 1: Base Flood Discharge Rates (cfs)			
ADMS Discharge	Drainage Area (mi^2)	Downstream HEC-2 Cross Section	Location
5,001	32.58	0.640	Trilby Confluence
5,309	31.33	3.713	CAP
5,360	23.77	7.709	Minor Tributary
4,915	22.11	7.800	Minor Tributary
2,371	8.87	9.289	SR 89

VICINITY MAP

STUDY DATE: 1993

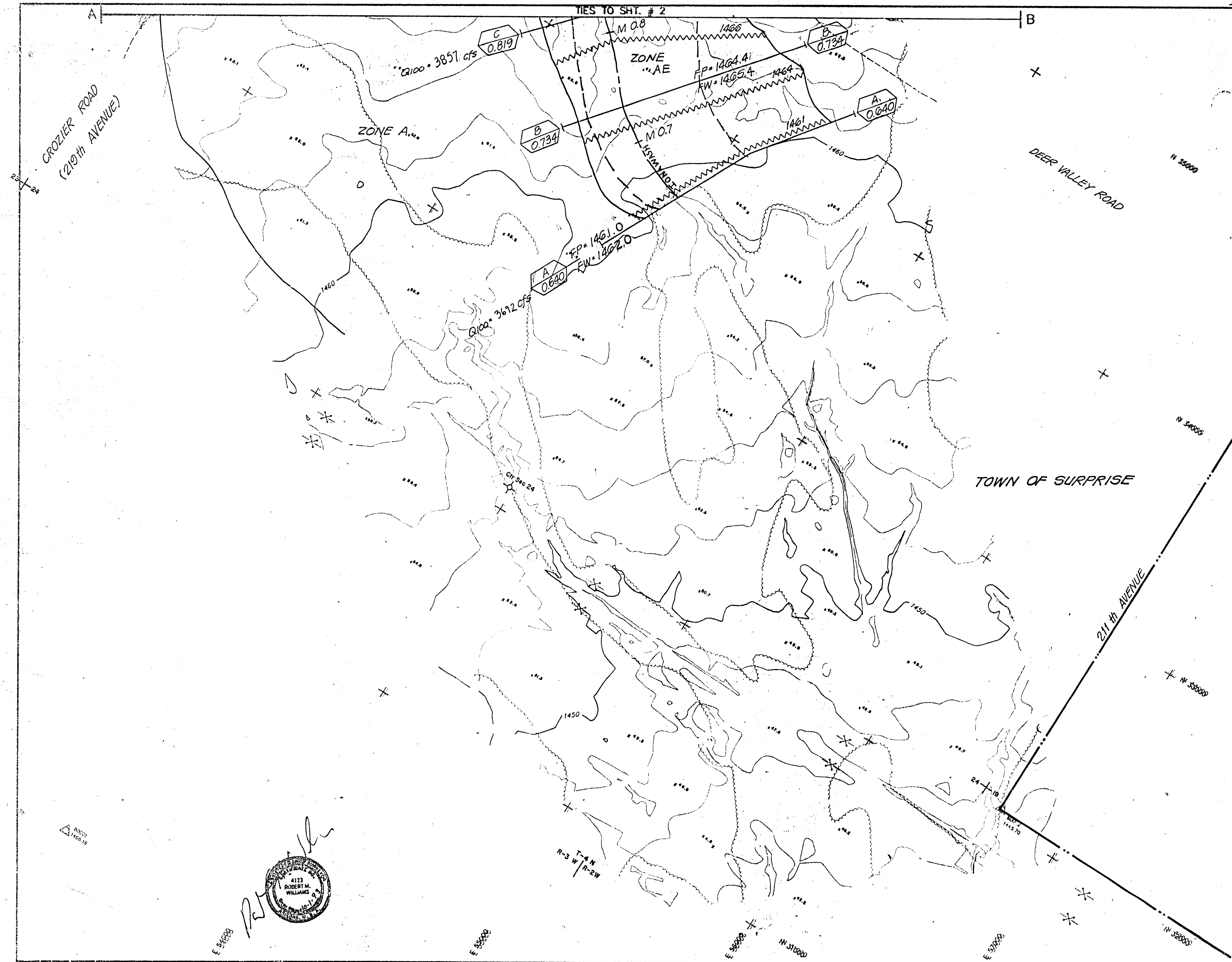
MAPPING DATE: 1992

AERIAL MAPPING: KENNEY AERIAL MAPPING

CH2MHILL

306

Iona Wash: from Trilby Wash to State Route 89 FIS
CH2MHILL 1993
FCD 92-07 Drawer 306



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100-XXX cfs, A / 1.00, FP = 100 Yr. WSE, FW = Floodway WSE
Elevation Reference Marks	ERM-4
Base Flood Elevations	1500
Zone Designations	ZONE AE
Surprise City Limits	

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FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

NORTH

FOR TOPOGRAPHY

200' 0' 200' 400'

SCALE

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY SUITE
TEMPE, ARIZONA 85282-1843

DESIGN	
DESIGN CHK	
PLANS	
PLANS	

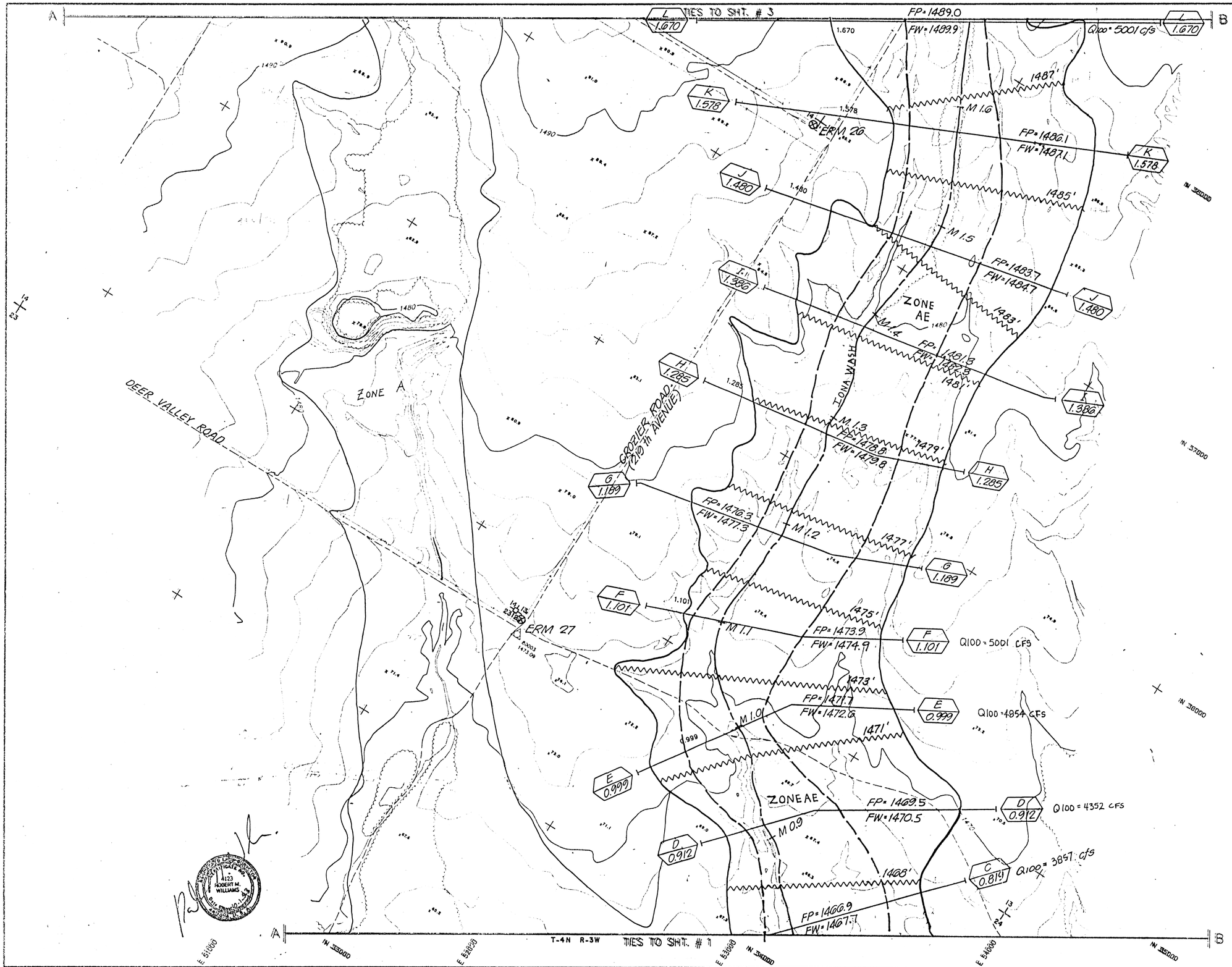
M-1

KENNEY AERIAL MAPPING INC. PHOENIX, ALBUQUERQUE, LAS VEGAS, NEVADA — FLIGHT DATE 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED FOR [illegible] PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile (M1.0, M1.5)
- Cross Section: Q 100-XXX cfs; A/100 FP = 100 Yr. WSE; A/100 FW = Floodway WSE
- Elevation Reference Marks: ERM-4
- Base Flood Elevations: 1500
- Zone Designations: ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 26	1483.46	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #26 located 7.5± South, Southwest of the GLO Brass Cap marked ¼ S14/S13 T1S R5
ERM 27	1473.51	Top of "Bureau of Reclamation Brass Cap" located at the Northwest corner of Deer Valley Road and 219th Avenue

INDEX FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY SUITE 503
TEMPE, ARIZONA 85282-1843

DESIGN | DRAWN | CHECKED
DESIGN CHK
PLANS
PLANS CHK

FIRM

KENNEY AERIAL MAPPING INC. FLIGHT DATE: 11-13-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19800 CERTIFY THAT THE SURVEY CONTROL USED TO COMPILE THE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. # 4

TIES TO SHT. # 2

ZONE A

ZONE AE

Q100 = 5001 cfs

PINNACLE PEAK ROAD

CROZIER ROAD (219TH AVENUE)

IONA

ERM 25

CITY SEC 14

T-4 N R-3W

E 490000

E 500000

E 510000

N 37000

N 38000

N 40000

N 42000

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M1.0 M5.0
- Cross Section — Q 100-XXX cfs; A/100; FD = 100 Yr. WSE; FW = Floodway WSE
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 25	1498.53	Top of 1 1/2" Aluminum Cap marked Iona Wash FS ERM #25 located 11.0' ± South of street sign marked "Pinnacle Peak Road" and 219th Avenue

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2M HILL

1620 WEST FOUNTAINHEAD PKWY
TEMPE, ARIZONA 85282-1797

DESIGN

DESIGN CHK

DRAWN

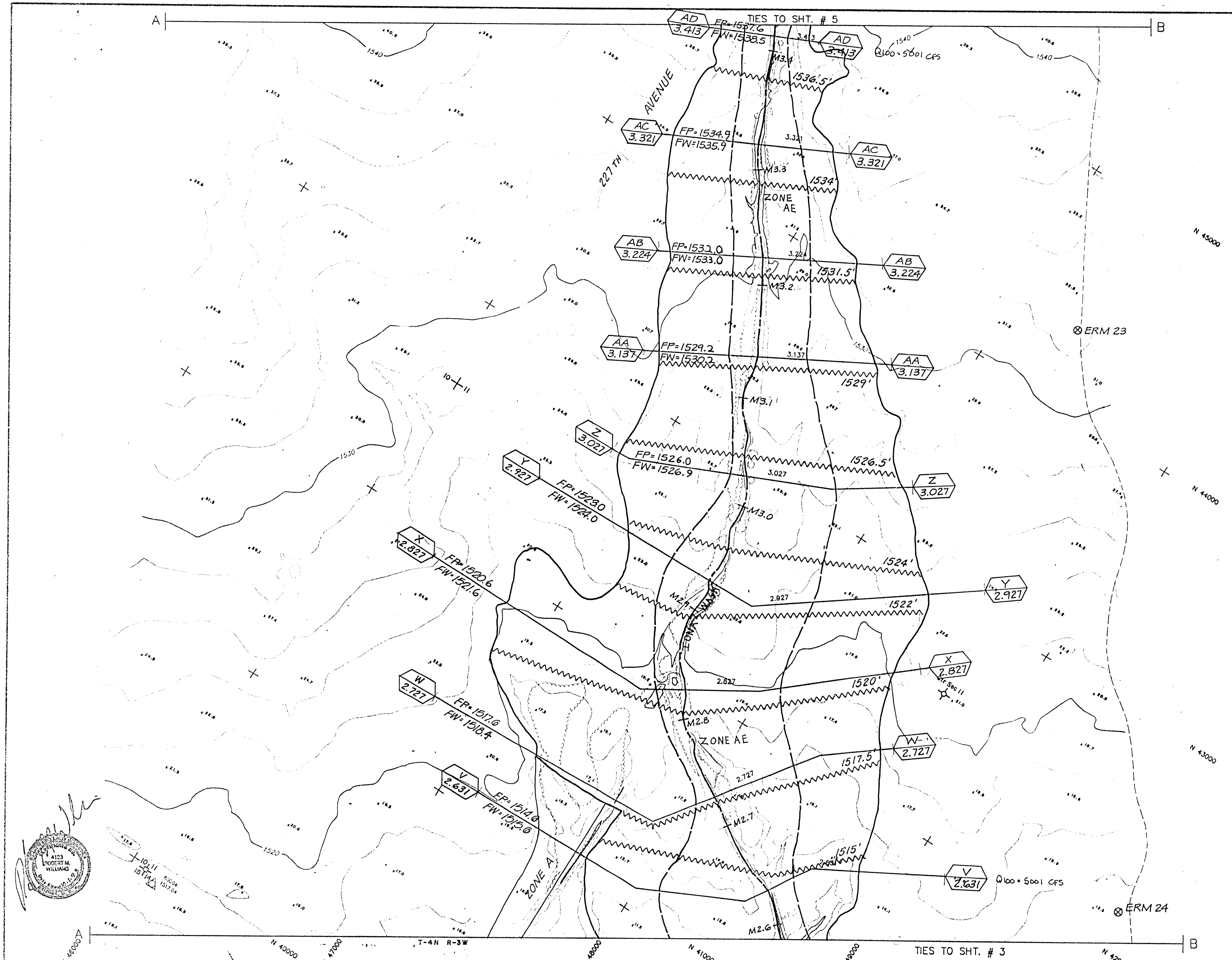
PLANS CHK

M-3

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA FLIGHT DATE: 11-14-93

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL. MAP AT A SCALE OF 1"=200' THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS



FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0, M5.0
- Cross Section — Q100-XXX cfs, A/1.00; FP = 100 Yr. WSE, FW = Floodway WSE
- Elevation Reference Marks — ERM-4 ⊗
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 23	1527.02	Top of 1 1/2" Aluminum Cap marked Iona Wash FS ERM #23 located 30'± West of the West side of the dirt roadway
ERM 24	1510.67	Top of 1 1/2" Aluminum Cap marked Iona Wash FS ERM #24 located 23'± West of the West edge of the dirt roadway

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA

DESIGN	
DESIGN CHK	
PLANS	
PLANS CHK	

M-4

KENNEY AERIAL MAPPING, INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

TIES TO SHT. # 6

A

B

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs; A 1.00 FD - 100 Yr. WSE; FW - Floodway WSE; A 1.00
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 22	1543.00	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #22 located 15'+ West of the West edge of a dirt roadway

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL 2 FEET

* Ponded Water Surface Elevation Per Wittmann ADMS (approved)

M-5

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

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TIES TO SHT. # 7

A

B

Q100=5320 cfs

AW 5.095

FP=1585.8
FW=1586.5

M5.0

AV 4.988

FP=1582.8
FW=1583.2

AU 4.893

ZONE AE

TOWN OF SURPRISE

M4.9

FP=1578.4
FW=1578.9

AT 4.789

M4.8
FP=1574.5
FW=1575.1

AS 4.694

M4.7
FP=1571.5
FW=1572.2

AR 4.596

M4.6
FP=1569.3
FW=1570.3

AQ 4.497

M4.5
FP=1566.9
FW=1567.8

AP 4.403

M4.4
FP=1564.5
FW=1565.5

AO 4.306

FP=1561.6
FW=1562.4

Q100=5309 cfs

ZONE A

LIMIT OF STUDY AREA

ERM 20

T-3 N R-3W
T-4 N R-3W

TIES TO SHT. # 5

E 42000 E 43000 E 44000 E 45000 E 46000

N 47000 N 48000 N 49000 N 50000 N 51000 N 52000

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile (M4.0, M5.0)
- Cross Section (Q 100-XXX cfs; A/100 FP - 100 Yr. WSE; A/100 FW - Floodway WSE)
- Elevation Reference Marks (ERM-4)
- Base Flood Elevations (1500)
- Zone Designations (ZONE AE)
- Surprise City Limits

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION, LOCATION
ERM 20	1570.45	Top of G.L.O. Brass Cap marked S34 | S35 1916 SC

INDEX FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282 (602) 752-8580

DESIGN

DESIGN CHK.

PLANS

M-6

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH.

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL OF COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. #8 & 9

A

B

ZONE AE

ZONE A

TOWN OF SURPRISE

IONA WASH

PATTON ROAD

ERM 2

ERM 1

M 6.0

M 5.9

M 5.8

M 5.7

M 5.6

M 5.5

M 5.4

M 5.3

M 5.2

FP=1613.6
FW=1614.3

FP=1611.1
FW=1612.1

FP=1607.9
FW=1608.8

FP=1605.0
FW=1606.0

FP=1602.0
FW=1602.0

FP=1599.6
FW=1600.4

FP=1596.6
FW=1597.6

FP=1592.5
FW=1593.1

FP=1587.9
FW=1588.5

BD 5.765

BC 5.668

BB 5.577

BA 5.485

AZ 5.386

AY 5.287

AX 5.189

BG 6.026 Q100 = 5340 cfs

BF 5.945 Q100 = 5340 cfs

BE 5.858 Q100 = 5330 cfs

Q100 = 5330 cfs

Q100 = 5320 cfs

1620' 1616' 1614' 1611.5' 1610 1608.5' 1606' 1603.5' 1601' 1600 1598.5' 1595.5' 1592' 1590 1588'

N 54000 N 53000 N 52000 N 51000

E 40000 E 41000 E 42000 E 43000

T-5N R-3

TIES TO SHT. # 6

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs (A / 100) FP = 100 Yr. WSE FW = Floodway WSE (A / 100)
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE
- Surprise City Limits

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 2	1613.46	Top of Maricopa County Highway Department Brass Cap In handhole located at the Intersection of Patton Road and 235th Avenue
ERM 1	1605.88	TOP OF MARICOPA COUNTY HIGHWAY DEPARTMENT BRASS CAP FLUSH WITH PAVEMENT AT THE INTERSECTION OF 230TH AVENUE AND PATTON ROAD

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0' 200' 400'

CONTOUR INTERVAL = 2 FEET

4123 ROBERT M WILLIAMS — CERTIFICATE — 10-19-93

1990 CHRISTOPHER E. AULERICH — CERTIFICATE — 10-19-93

4123 ROBERT M WILLIAMS — CERTIFICATE — 10-19-93

1620 WEST FOUNTAINHEAD PARKWAY, SUITE TEMPE, ARIZONA 85282 (602) 438-1843

DESIGN	
DESIGN CHK	
PLANS	
PLANS CHK	

M-7

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19909 CERTIFY THAT THE SURVEY CONTROL USED TO CO... PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; A 1.00 FD = 100 Yr. WSE; FW = Floodway WSE; A 1.00

Elevation Reference Marks — ERM-4 ⊗

Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 3	1622.28	Top of Maricopa County Highway Department Brass Cap flush with pavement at the Intersection of Patton Road and 239th Avenue
ERM 4	1636.61	Top of Maricopa County Highway Department Brass Cap flush with pavement at the Intersection of Patton Road and 243rd Avenue
ERM 5	1650.98	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #5 located 0.5 miles North of Patton Road on 243rd Avenue on the West side of roadway

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

0 200' 400'
SCALE
CONTOUR INTERVAL = 2 FEET

1620 WEST FLORENCE AVENUE
SUITE A
MESA, ARIZONA 85202 1848

DESIGN	
DESIGN CHK	
DR AND	
DR AND CHK	

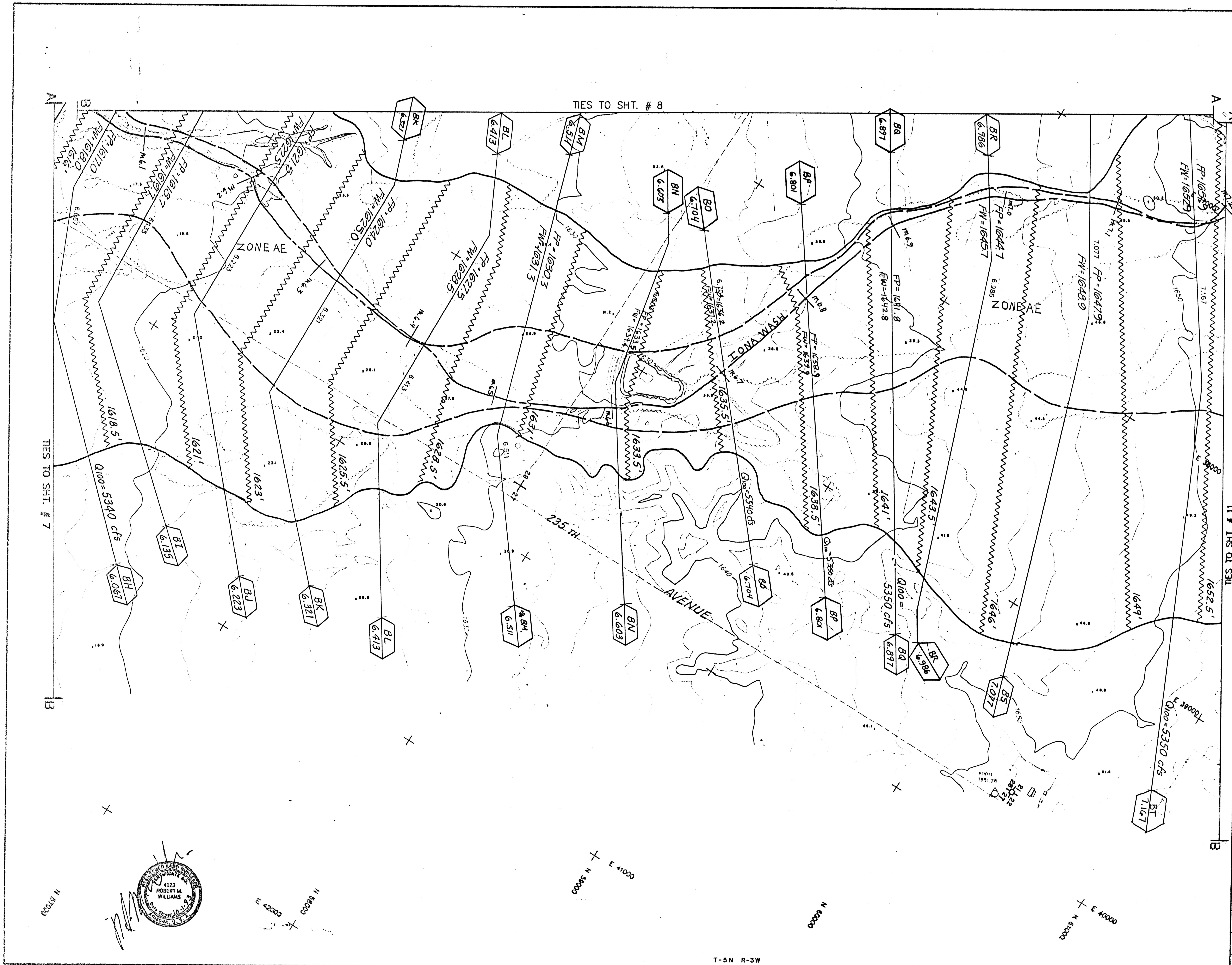
M-8

KENNEY AERIAL — MARICOPA AERIAL SURVEYS, INC. PHOENIX, ARIZONA LAS VEGAS, NEVADA

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. ALLERICH

CH2M HILL

I, CHRISTOPHER E. ALLERICH ARIZONA REGISTERED LAND SURVEYOR # 19890, CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS



FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M4.0 M5.0
Cross Section — Q 100=XXX cfs; FP = 100 Yr. WSE; FW = Floodway WSE
Elevation Reference Marks — ERM-4
Base Flood Elevations — 1500
Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1843

DESIGN

DESIGN CHK

PLANS

PLANS C

9-IA

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

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FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs (A / 100) FD = 100 Yr. WSE (A / 100) FW = Floodway WSE

Elevation Reference Marks — ERM-4

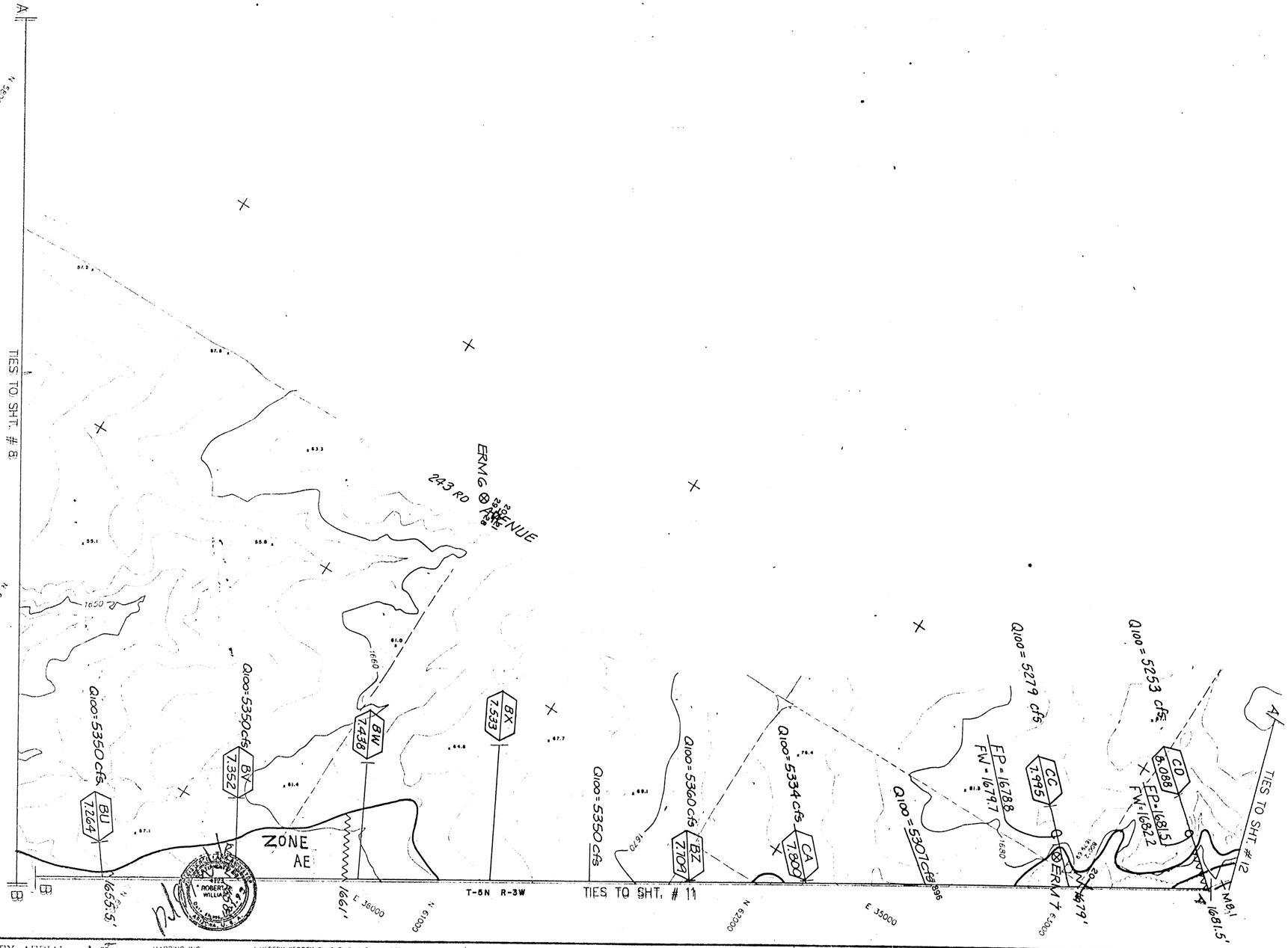
Base Flood Elevations — 1500

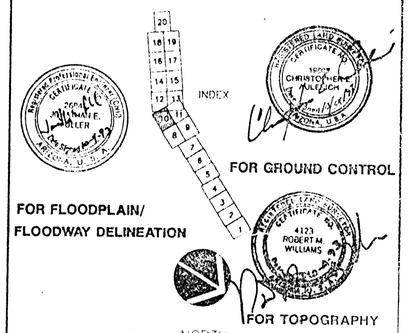
Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM 6	1665.63	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #6 located 1 mile North of Patton Road on 243rd Avenue (dirt), 125' North of a water tank on the West side of roadway
ERM 7	1679.60	Top of 1 ½" Aluminum Cap marked Iona Wash FS ERM #7 located 325'+ South of the centerline of the Iona Wash and 20'+ West of the existing dirt roadway; also 3'+ Southwest of a found 1 ½" Aluminum Cap marked FCDMC 14"





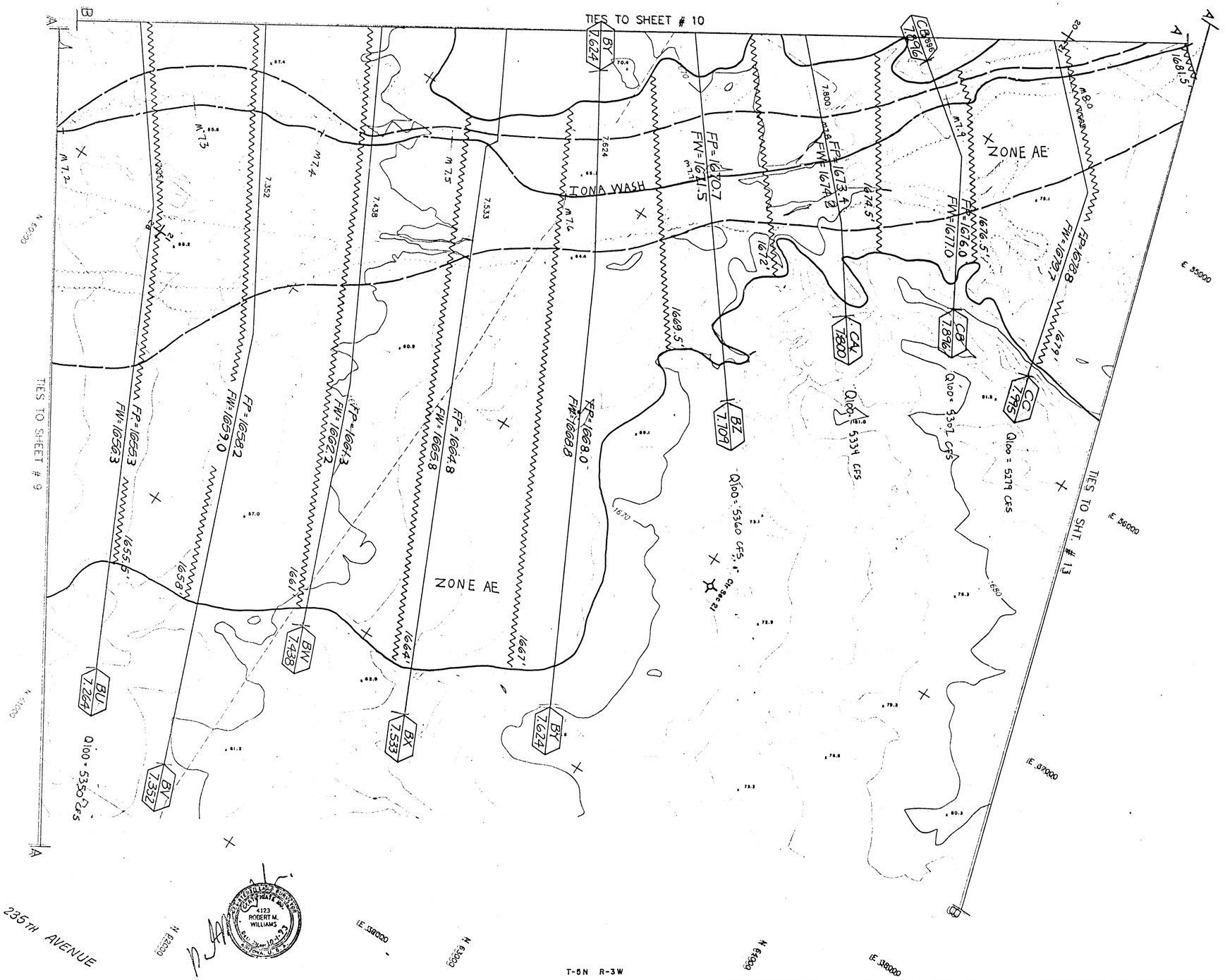
KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA AND LAS VEGAS, NEVADA
FLIGHT DATE: 11-12-95

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH, ARIZONA REGISTERED LAND SURVEYOR # 19809 COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND

M-10



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs; A/100 FP - 100 Yr. WSE; A/100 FW - Floodway WSE
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0 200' 400'

CONTOUR INTERVAL = 2 FEET

CH2MHILL

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282

DESIGN

DESIGN CHK

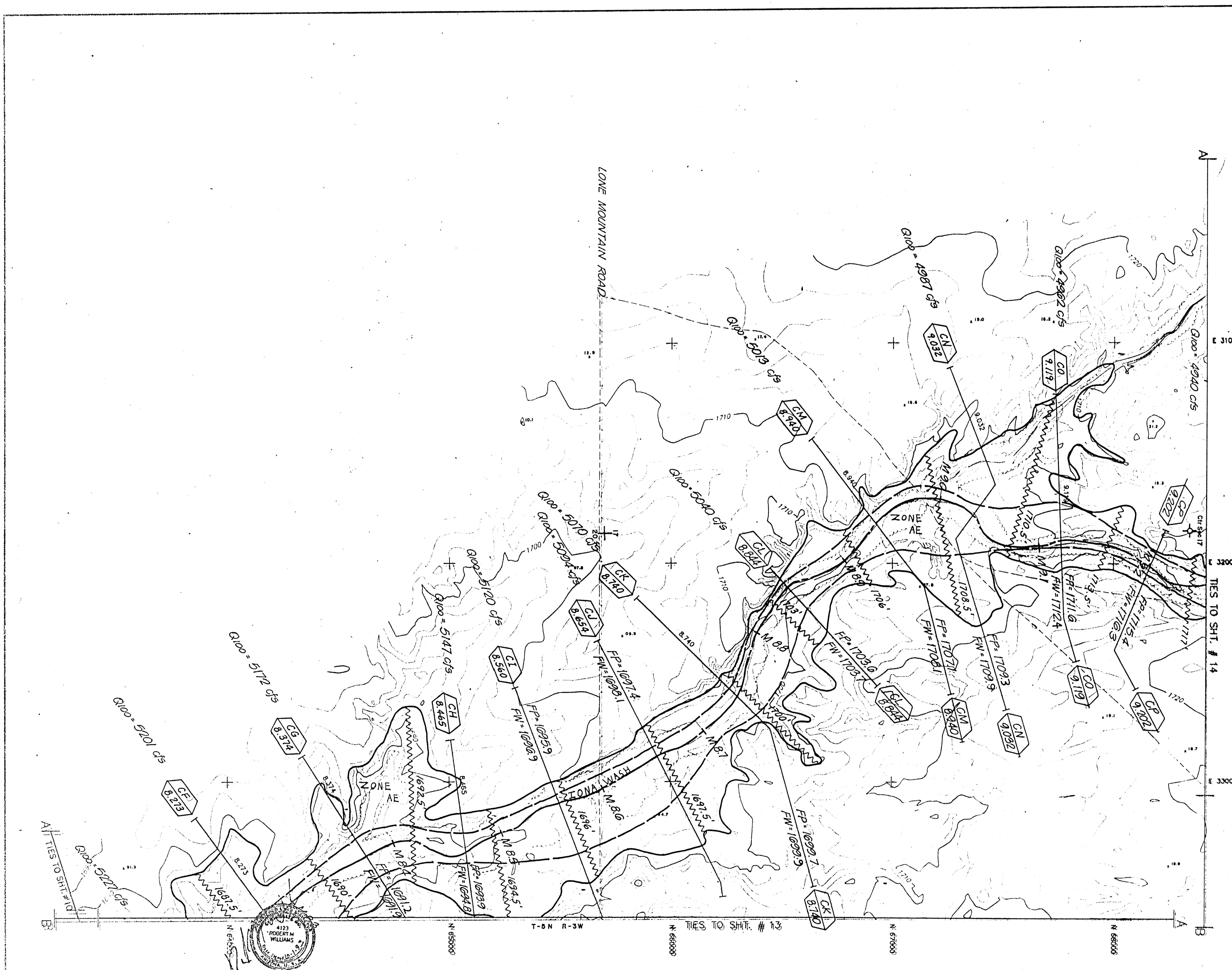
P

11-11

KENNEY AERIAL — MAGLIND, INC. — FLIGHT DATE: 11-10-97

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTRO... PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIF...



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary
Floodway Boundary
Hydraulic Base Line With River Mile — M4.0 M5.0
Cross Section — Q 100-XXX cfs; FP = 100 Yr. WSE; FW = Floodway WSE
Elevation Reference Marks — ERM-4
Base Flood Elevations — 1500
Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'
SCALE
CONTOUR INTERVAL = 2 FEET

CH2M HILL
1620 WEST FOUNTAINHEAD
TEMPE, ARIZONA 85282

DESIGN
DESIGN CHK
PLANS

M-12

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED FOR PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

TIES TO SHT. #12

CE 8.182

IONA WASH

IONA M 8.27

FP = 1688.5
FW = 1687.5

CG 8.374

FP = 1629.9
FW = 1624.8

CH 8.407

CJ 8.560

CJ 8.654

FP = 1684.9
FW = 1683.4
1684.5

CF 8.273

Q100 = 5201 cfs

ZONE AE

8.084

CE 8.182

Q100 = 5227 cfs

FP = 1681.5
FW = 1682.2

1681.5

TIES TO SHT. #11

CD 8.088

Q100 = 5253 cfs

1680

1680

ERM 8

243RD AVENUE

ERM 9

ZONE MOUNTAIN ROAD

ZONE A

LIMIT OF STUDY AREA

E 34000

E 35000

E 36000

E 37000

TIES TO SHT. # 15

N 6640000

N 6650000

N 6660000

N 6670000

N 6680000

T-5N R-3

KENNEY AERIAL MAPPING INC.

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 18909 CERTIFY THAT THE SURVEY CONTROL COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICA

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs | A / 100 | FP - 100 Yr. WSE | A / 100 | FW - Floodway WSE

Elevation Reference Marks — ERM-4 ⊗

Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 8	1696.93	Top of G.L.O. Brass Cap marked 1916 S17 | S16 / S20 | S21
ERM 9	1717.54	Top of G.L.O. Brass Cap marked 1/4 S17 | S16 1916

INDEX

20 | 18 19 | 16 17 | 14 15 | 12 13 | 10 11 | 8 9 | 6 7 | 4 5 | 2 3 | 1

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0 200'
SCALE
CONTOUR INTERVAL

CH2M HILL
1620 WEST FOU
TEMPE, ARIZON

DESIGN

DESIGN CH

D

11-13

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100-XXX cfs (A 1.00) FP = 100 Yr. WSE, FW = Floodway WSE (A 1.00)
Elevation Reference Marks	ERM-4 ⊗
Base Flood Elevations	1500
Zone Designations	ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY TEMPE, ARIZONA 85282

DESIGN	
DESIGN CHK	
PLANS	
PLANS CHK	

M-14

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA / LAS VEGAS, NEVADA FLIGHT DATE 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. #14

TIES TO SHT. # 13

TIES TO SHT. # 17

CB 9.789 | CR 9.357 | CS 9.480 | CT 9.568 | CU 9.677 | CV 9.770 | CW 9.865 | CX 9.963 | CY 10.059 | CZ 10.149 | DA 10.232

1748'

1720

1740

1760

E 340000

E 350000

E 360000

E 370000

N 739000

N 740000

N 741000

N 742000

ERM 10

ERM 11

243rd AVENUE

ZONE A

T-5 N R-3 W

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs | A 100 | FP - 100 Yr. WSE / FW - Floodway WSE | A 100
- Elevation Reference Marks — ERM-4
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION
ERM 10	1735.29	Top of G.L.O. Brass Cap marked 1916 — CC | S9 / S20 | S21
ERM 11	1758.40	Top of G.L.O. Brass Cap marked 1/4 — S8 | S9 1916

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

SCALE 200' 0 200' 400'

CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY, SUITE 3
TEMPE, ARIZONA 85282-1943

DESIGN			DRAWING
DESIGN CHK			
PLANS			
PLANS CHK			

M-15

KENNEY AERIAL — PHOTOGRAPHY FLOWN: 11-12-93

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 11809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; FP = 100 Yr. WSE; FW = Floodway WSE; 1.00

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'
SCALE
CONTOUR INTERVAL

1620 WEST FOUNTAINHEAD
TEMPE, ARIZONA 85282-1

DESIGN
DESIGN CHK
PLANS
PLANS

11-16

TIES TO SHT. # 14

TIES TO SHT. # 18

TIES TO SHEET # 19

TIES TO SHT. # 17

T-5N R-3W

E 29000 E 30000 E 31000 E 32000

251st AVENUE

Ctr Sec 5

ZONE AE

ZONE A

IONA WASH

Q100= 669 cfs

Q100= 662 cfs

Q100= 709 cfs

M10.4 M10.6 M10.8 M10.9 M11.0 M11.1 M11.2 M11.3

DB 10.320 FP=1762.6 FW=1763.0

DC 10.426 FP=1763.5 FW=1764.9

DD 10.516 FP=1771.8 FW=1772.6

DE 10.620 FP=1777.0 FW=1778.5

DF 10.710 FP=1781.3 FW=1782.1

DG 10.802 FP=1785.6 FW=1786.5

DH 10.891 FP=1789.9 FW=1790.3

DI 10.982 FP=1794.1 FW=1795.1

DJ 11.079 FP=1798.7 FW=1799.7

DK 11.174 FP=1804.0 FW=1804.8

DL 11.264 FP=1807.9 FW=1808.8

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA/LAS VEGAS, NEVADA

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS.

TIES TO SHT. # 16

TIES TO SHT. # 15

TIES TO SHT. # 19

ZONE A

DC 10.320

DD 10.516

DE 10.629

DF 10.710

DG 10.802

DH 10.891

DI 10.982

DJ 11.079

DK 11.174

DL 11.264

ERM 12

ERM 13

243rd AVENUE

E 33000

E 34000

E 35000

E 36000

E 37000

N 74000

N 75000

N 76000

N 77000

N 78000

T-5W R-3W

KENNEY AERIAL — MAPPING, INC. — PHOENIX, ARIZONA — FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

4123 ROBERT M. WILLIAMS

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19509 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

100-Yr. Floodplain Boundary	
Floodway Boundary	
Hydraulic Base Line With River Mile	M4.0 M5.0
Cross Section	Q 100-XXX cfs; A/100 FP = 100 Yr. WSE; A/100 FW = Floodway WSE
Elevation Reference Marks	ERM-4
Base Flood Elevations	1500
Zone Designations	ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT.)	DESCRIPTION/LOCATION	
ERM 12	1786.77	Top of G.L.O. Brass Cap marked T5N R3W 1916	S5 | S4 / S8 | S9
ERM 13	1814.28	Top of G.L.O. Brass Cap marked 1/4 1916	S5 | S4

INDEX FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

1929 CHRISTOPHER E. AULERICH

4123 ROBERT M. WILLIAMS

SCALE: 200' 0 200' 400'

CH2M HILL

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282 (602) 966-0232

DESIGN		
DESIGN CHK		
PLANS		
PLANS CHK		

M-17

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs (A / 100) FD = 100 Yr. WSE (A / 100) FW = Floodway WSE

Elevation Reference Marks — ERM-4

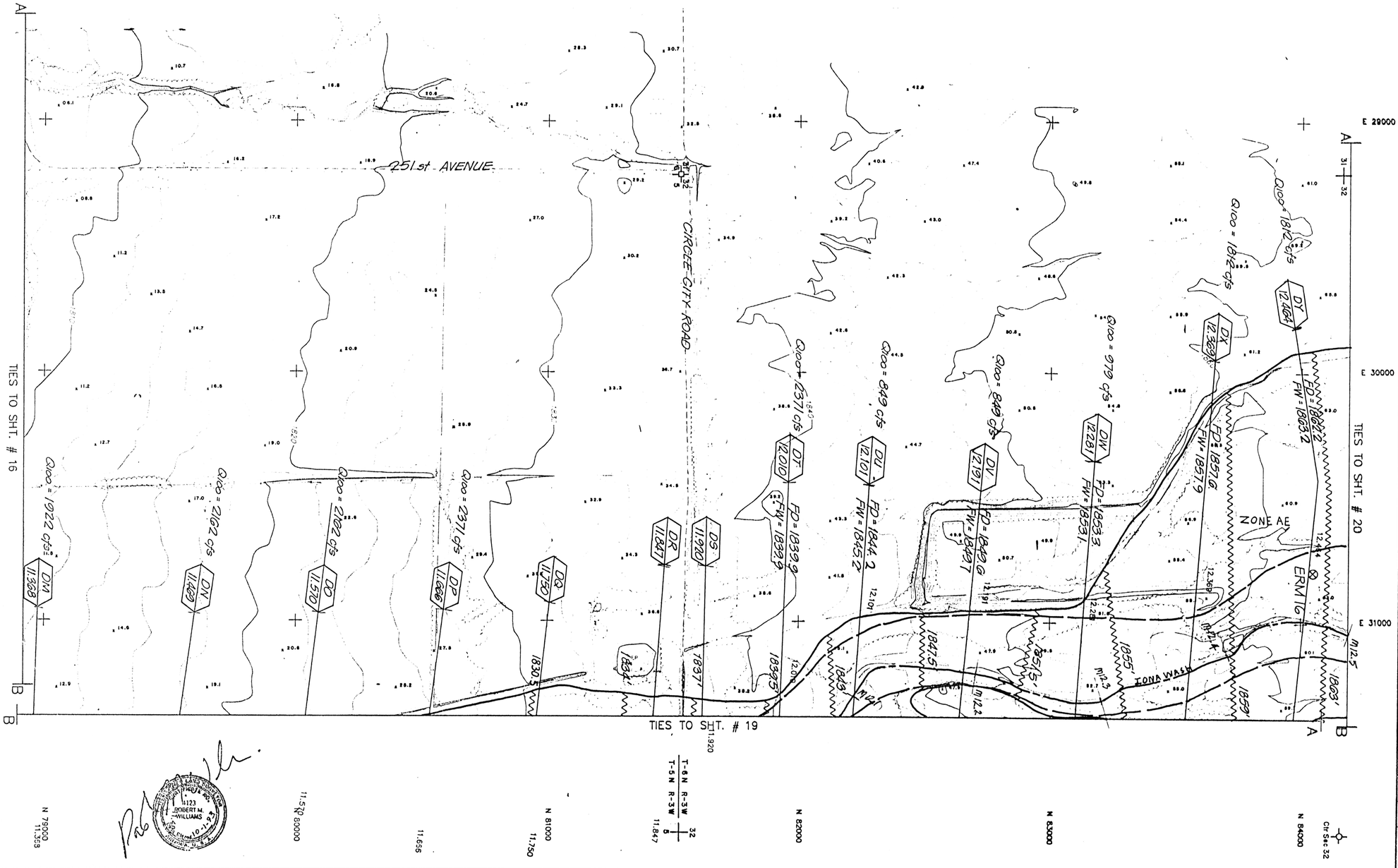
Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
ERM 16	1862.43	Top of 1½" Aluminum Cap marked Iona Wash FS ERM #16 of the Iona Wash road crossing, 0.5± miles North of Township line



INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/
FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200'
SCALE

CONTOUR INTERVAL

OMNI-MAP
1620 WEST FOUNTAIN
TEMPE, ARIZONA 85

DESIGN	
DESIGN CHK	
PLANS	
CLAIM	

M4-18

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 13903 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

TIES TO SHT. # 18

TIES TO SHT. # 17

TIES TO SHT. # 20

ZONE A

ZONE AE

IONA WASH

ERM 15

ERM 14

E 32000

E 33000

E 34000

N 79000

N 80000

N 81000

N 82000

N 83000

N 84000

T-6N R-3W

T-5N R-3W

32 / 33

5 / 4

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

IONA WASH FLOOD INSURANCE STUDY

FCD-92-07

LEGEND

- 100-Yr. Floodplain Boundary
- Floodway Boundary
- Hydraulic Base Line With River Mile — M4.0 M5.0
- Cross Section — Q 100-XXX cfs (A/100) FD = 100 Yr. WSE (A/100) FW = Floodway WSE
- Elevation Reference Marks — ERM-4 ⊗
- Base Flood Elevations — 1500
- Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION	S32 S5	S.13 S.4
ERM 14	1847.54	Top of G.L.O. Brass Cap marked T6N R3W 1916		
ERM 15	1838.91	Top of 1½" Aluminum Cap marked Iona Wash FS ERM #15 located on the South side of an East West roadway 10'+ North of an East West fence line		

INDEX FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0 200' 400'

SCALE CONTOUR INTERVAL 2 FEET

1620 WEST FOUNTAINSIDE
TEMPE, ARIZONA 85282

DESIGN

DRAWN CHK

PLANS

M-19

KENNEY AERIAL MAPPING INC. PHOENIX, ARIZONA OFFICE

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS

FLOOD CONTROL
DISTRICT OF
MARICOPA COUNTY

IONA WASH
FLOOD INSURANCE STUDY
FCD-92-07

LEGEND

100-Yr. Floodplain Boundary

Floodway Boundary

Hydraulic Base Line With River Mile — M4.0 M5.0

Cross Section — Q 100-XXX cfs; A 1.00 FD = 100 Yr. WSE; A 1.00 FW = Floodway WSE

Elevation Reference Marks — ERM-4

Base Flood Elevations — 1500

Zone Designations — ZONE AE

ELEVATION REFERENCE MARKS

Note: All Elevation Are Based on National Geodetic Vertical Datum of 1929

ID NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION	
ERM 17	1902.43	Top of G.L.O. Brass Cap marked 1/4	S29 S32

INDEX

FOR GROUND CONTROL

FOR FLOODPLAIN/ FLOODWAY DELINEATION

FOR TOPOGRAPHY

NORTH

200' 0' 200' 400'

SCALE CONTOUR INTERVAL = 2 FEET

1620 WEST FOUNTAINHEAD PARKWAY
TEMPE, ARIZONA 85282-1443

DESIGN	
DESIGN CHK	
PLANS	
PLANS CHK	

11-20

TIES TO SHT. # 18 & 19

T-6N R-3W

KENNEY AERIAL MAPPING, INC. — FLIGHT DATE: 11-12-92

I HEREBY CERTIFY THAT THIS MAP HAS BEEN PRODUCED BY PHOTOGRAMMETRIC METHODS AND MEETS NATIONAL MAPPING ACCURACY STANDARDS FOR A 2' CONTOUR INTERVAL MAP AT A SCALE OF 1"=200'. THE ABOVE IS SUBJECT TO THE FIELD CONTROL ACCURACY PROVIDED BY CHRISTOPHER E. AULERICH

CH2M HILL

I, CHRISTOPHER E. AULERICH ARIZONA REGISTERED LAND SURVEYOR # 19809 CERTIFY THAT THE SURVEY CONTROL USED TO COMPLETE PHOTOGRAMMETRIC MAP FOR THIS PROJECT IS CORRECT AND ACCURATE WITHIN CONTRACT SPECIFICATIONS