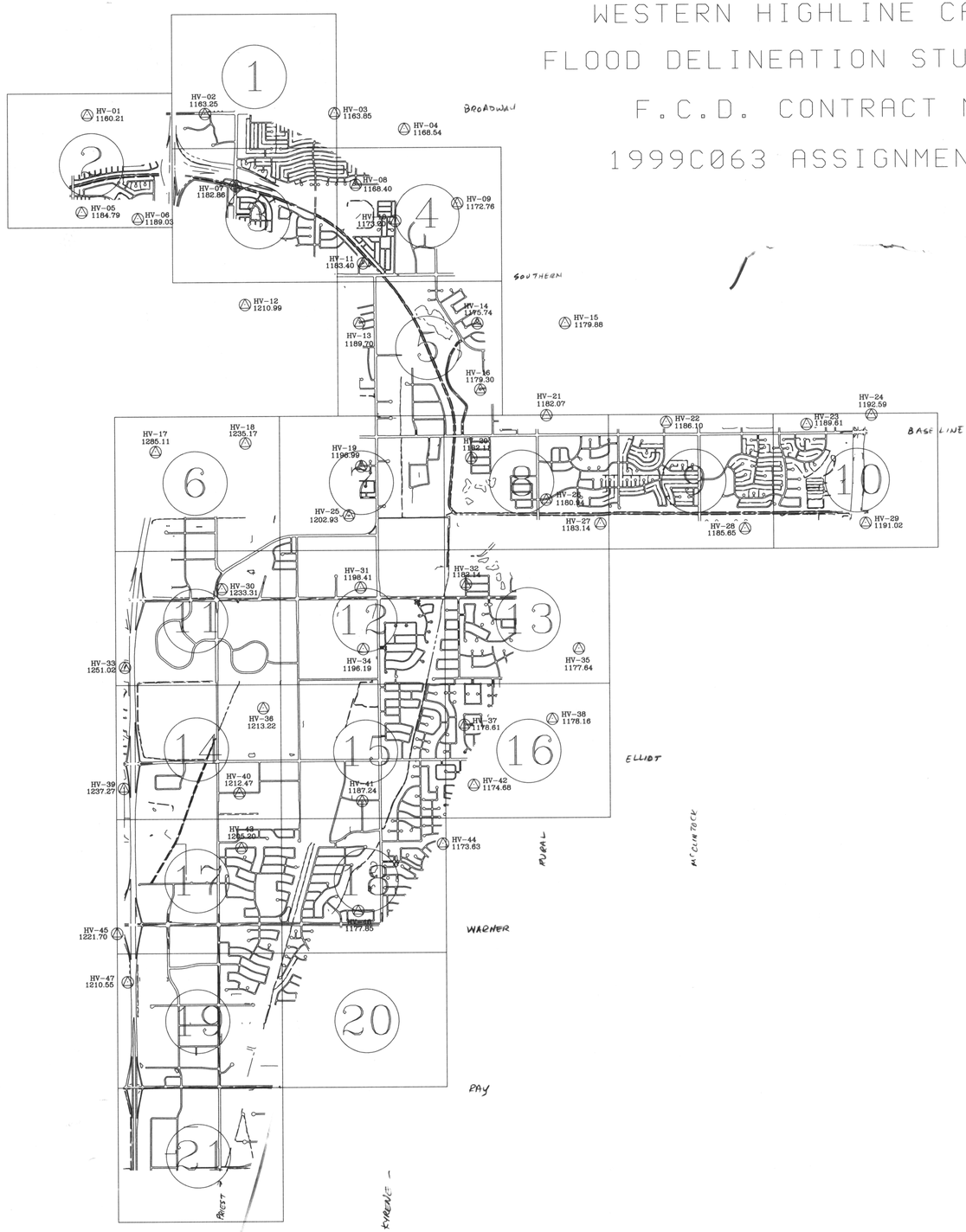
WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION (A, 0.10; FP= 1888.74, FW= 1889.54; Q = CFS) — FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION; FLOODPLAIN WATER SURFACE ELEVATION; ENCROACHED WATER SURFACE ELEVATION; 100 YEAR DISCHARGE
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

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

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 21780 — CLYDE J. McCARTY — 11/6/01 — ARIZONA U.S.A.

NOTES

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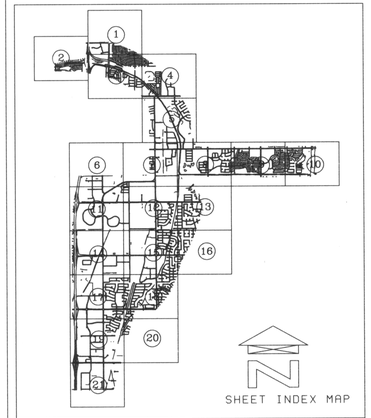


NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 1 OF 1

CENTRAL FILES
DRAWER # 301

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

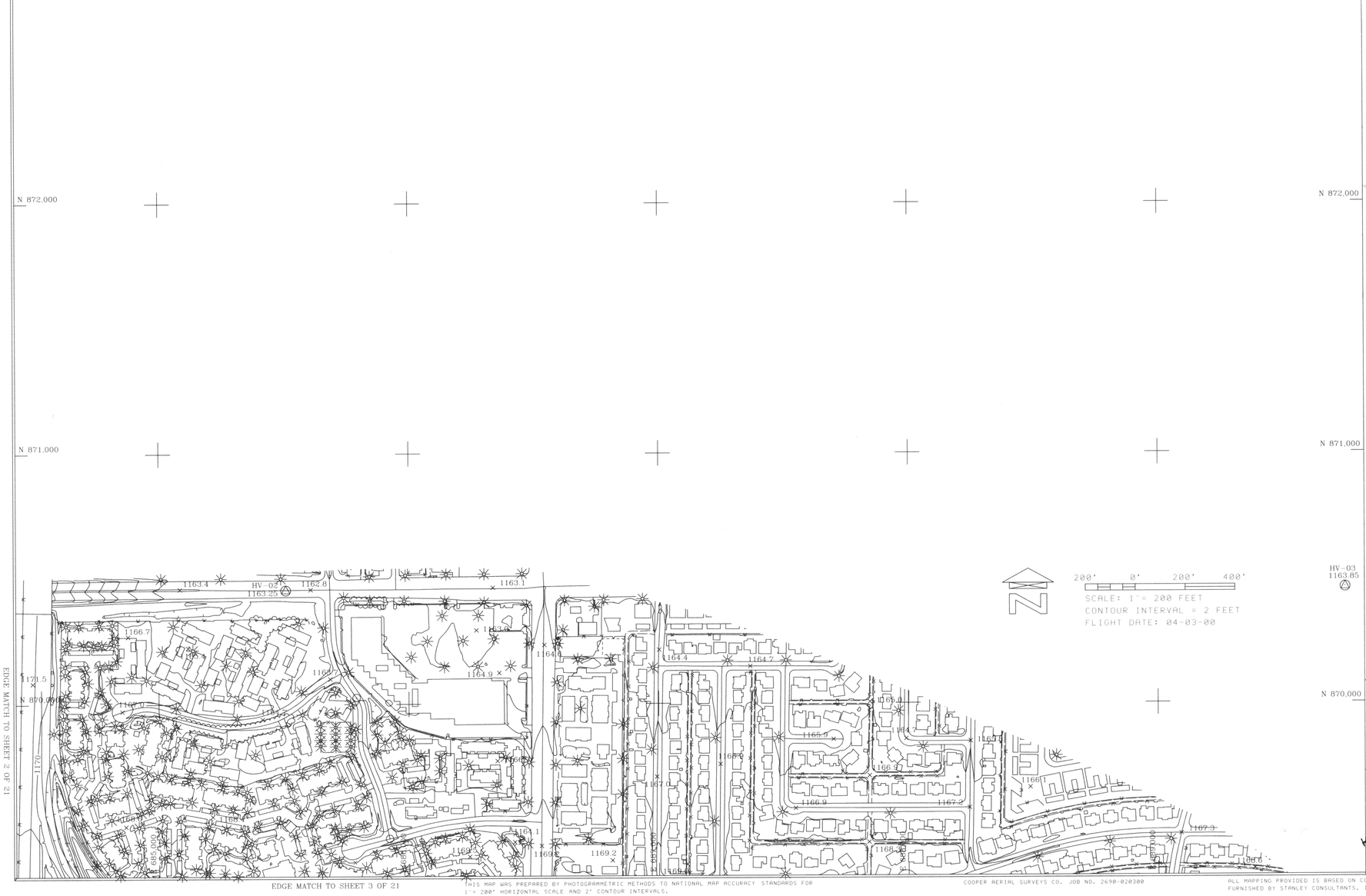
COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

Western Highline Canal Flood Delineation Study (FDS)
FCD 1999C063
Drawer 317

E 685,000 | E 686,000 | E 687,000 | E 688,000 | E 689,000

N 873,000 | N 872,000 | N 871,000 | N 870,000



EDGE MATCH TO SHEET 2 OF 21

EDGE MATCH TO SHEET 3 OF 21

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION — FEMA CROSS SECTION DESIGNATION; CROSS SECTION DESIGNATION; 0.10; FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION); FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION); Q = CFS (100 YEAR DISCHARGE)
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-02	1163.250	N: 870457.422 E: 685508.321
HV-03	1163.850	N: 870461.262 E: 689751.208

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 21780 — CLYDE J. McCARTY — 12/14/01 — ARIZONA, U.S.A.

NOTES

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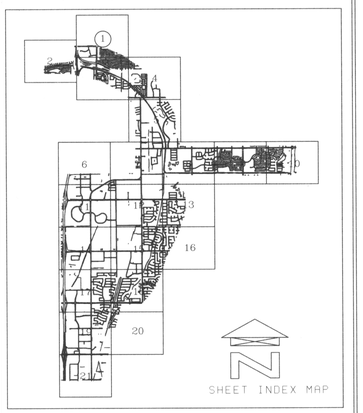

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 21988 — KIMBALL R. SIEGFRIED — 1-8-02 — ARIZONA, U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 — SHEET 1 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 1 OF 21

EDGE MATCH TO SHEET 2 OF 21

EDGE MATCH TO SHEET 4 OF 21

N 869,000

N 868,000

N 867,000

N 866,000

N 865,000

E 685,000

E 686,000

E 687,000

E 688,000

E 689,000

TRAILER PARK

CEMETERY

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION (R) 0.10 — FP= 1888.74 FW= 1889.54 Q = CFS
(R) = FEMA CROSS SECTION DESIGNATION; 0.10 = CROSS SECTION RIVER MILE DESIGNATION; FP = FLOODPLAIN WATER SURFACE ELEVATION; FW = ENCROACHED WATER SURFACE ELEVATION; Q = 100 YEAR DISCHARGE

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-07	1182.86	N: 868107.553 E: 686496.234

REGISTERED LAND SURVEYOR
11780
CLYDE J. McCAIN
1/16/01
ARIZONA, U.S.A.

NOTES

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SHEET INDEX MAP

200' 0' 200' 400'

SCALE: 1" = 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

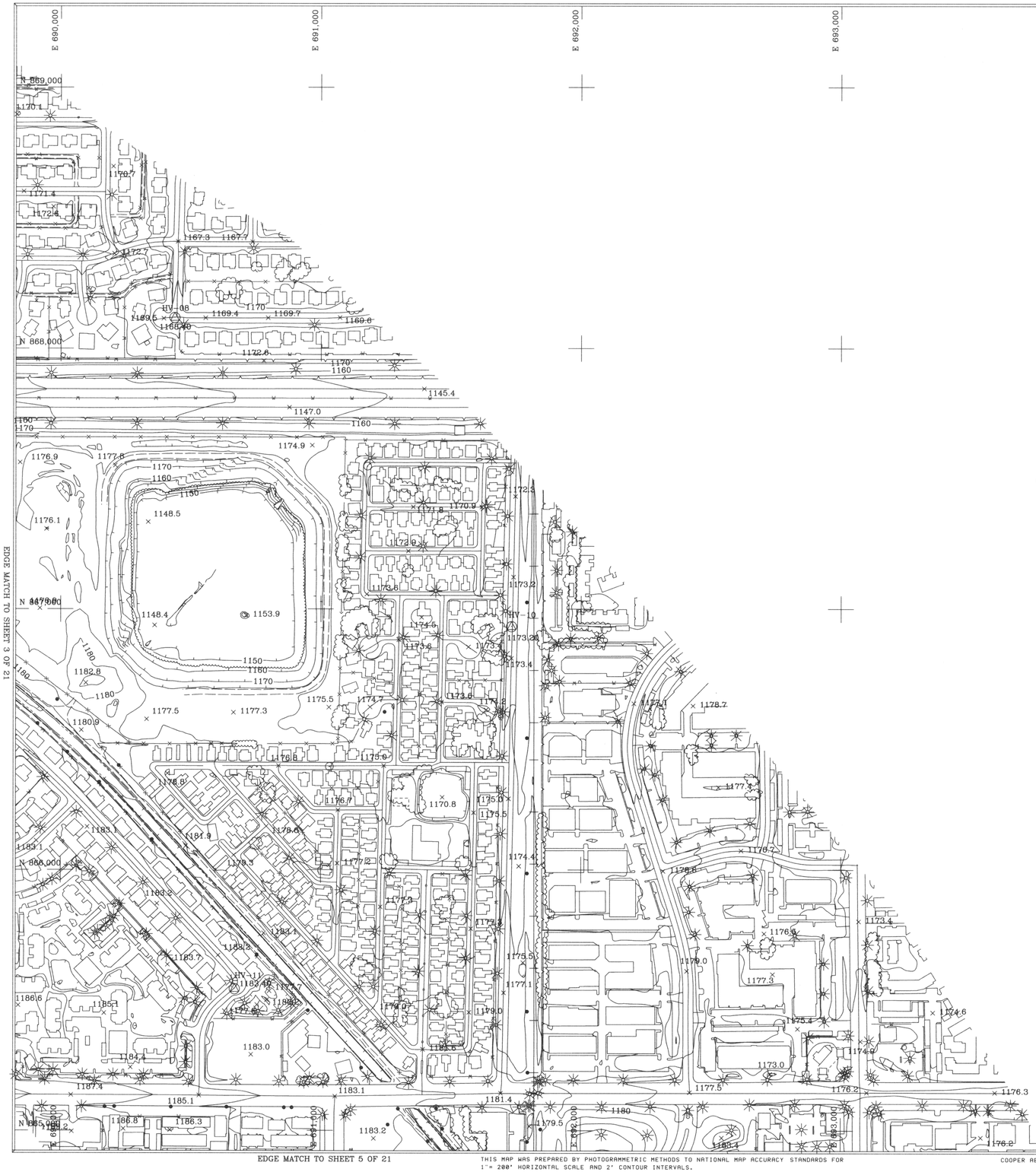
	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 3 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.



LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION — FEMA CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION — A 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE)

ELEVATION REFERENCE MARK — ERM XXX

BASE FLOOD ELEVATIONS — 1221

ZONE DESIGNATIONS — ZONE AE

CORPORATE LIMITS — Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-08	1168.40	N: 868118.654 E: 690437.071
HV-09	1172.76	N: 867496.5541 E: 693772.749
HV-10	1173.20	N: 896929.298 E: 691731.835
HV-11	1183.48	N: 865544.890 E: 690669.082

REGISTERED LAND SURVEYOR 21780 CLYDE J. McCARTY 1/14/10 ARIZONA U.S.A.

NOTES

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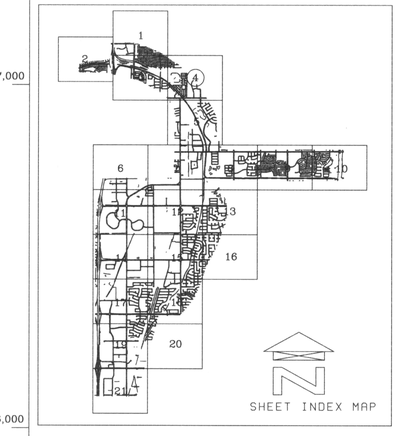

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR 19868 KURTBALL R. SIEGFRIED 1-11-10 ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 4 OF 21

200' 0' 200' 400'
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
EROSION SETBACK (WHEN APPLICABLE)	
CROSS SECTION	(A) 0.10 FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION); FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION); Q = CFS (100 YEAR DISCHARGE); A = FEMA CROSS SECTION DESIGNATION; 0.10 = CROSS SECTION RIVER MILE DESIGNATION
ELEVATION REFERENCE MARK	ERM XXX
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-13	1189.70	N: 863589.752 E: 690531.060
HV-14	1175.74	N: 863564.114 E: 694410.537
HV-16	1179.30	N: 861387.676 E: 694496.691

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY Date Signed 1/16/01 ARIZONA, U.S.A.

NOTES

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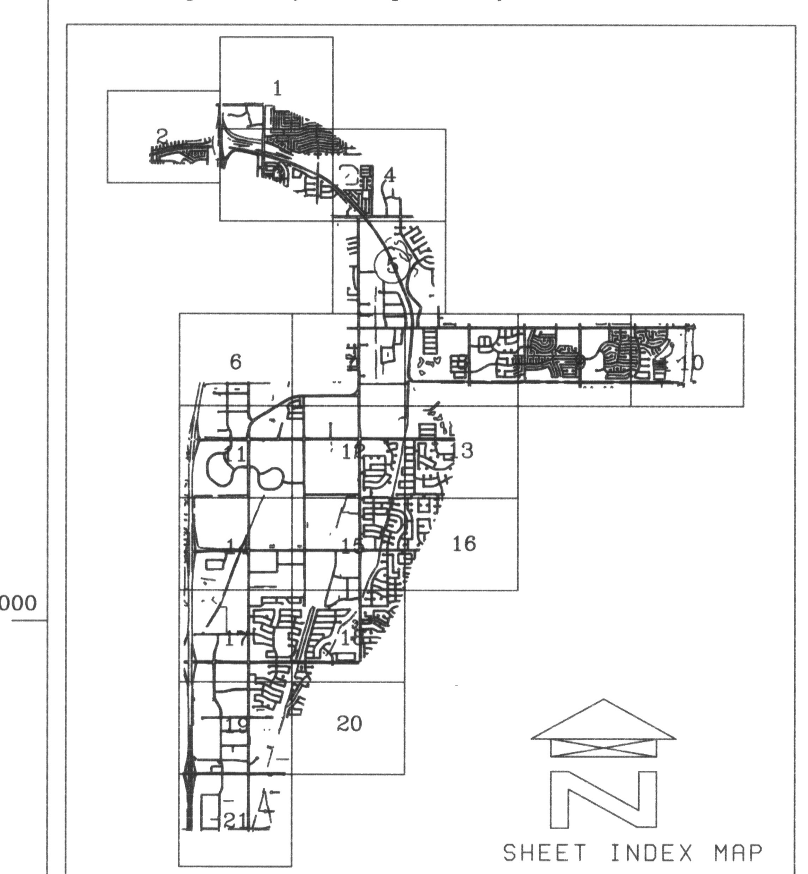


NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL FLOOD DELINEATION STUDY OF F.C.D. CONTRACT NO. 1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29888 KIMBALL R. SIEGFRIED Date Signed 1-17-01 ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

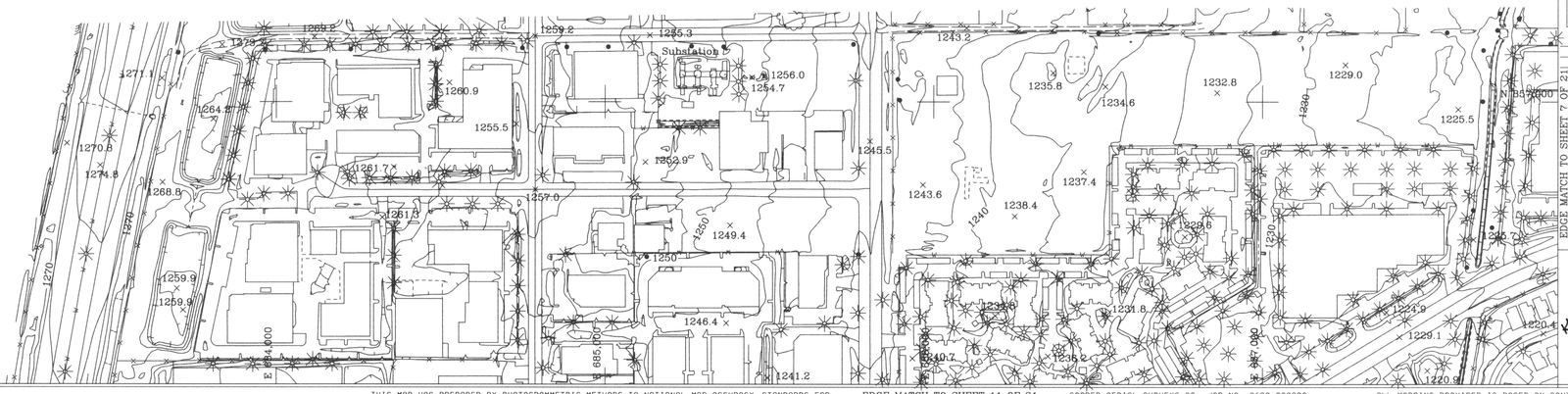
ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

E 683,000 E 684,000 E 685,000 E 686,000 E 687,000

N 860,000 N 859,000 N 858,000 N 857,000

HV-17
1285.11

HV-18
1235.17



200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION (A) 0.10 — FEMA CROSS SECTION DESIGNATION; CROSS SECTION DESIGNATION; Q = CFS (100 YEAR DISCHARGE); FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION); FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION)

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-17	1285.11	N: 859400.713 E: 683830.853
HV-18	1235.17	N: 859671.160 E: 686774.696

REGISTERED LAND SURVEYOR
21780
CLYDE J. McCARTY
11/6/00
ARIZONA U.S.A.

NOTES

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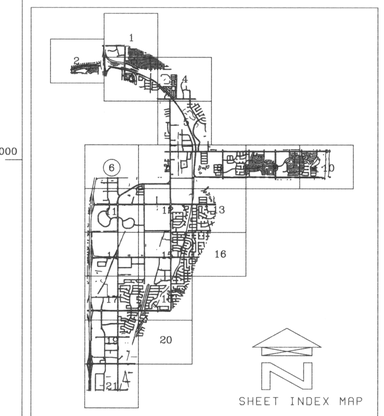

SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

EDGE MATCH TO SHEET 7 OF 21

REGISTERED LAND SURVEYOR
29900
KENNETH R. SIEGFRIED
1-17-01
ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2698-020300 SHEET 6 OF 21

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

EDGE MATCH TO SHEET 11 OF 21

COOPER AERIAL SURVEYS CO. JOB NO. 2698-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 5 OF 21

EDGE MATCH TO SHEET 12 OF 21

EDGE MATCH TO SHEET 6 OF 21

E 688,000 E 689,000 E 690,000 E 691,000 E 692,000 E 693,000

N 860,000 N 859,000 N 858,000 N 857,000 N 856,000

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION (FEMA CROSS SECTION DESIGNATION: A; CROSS SECTION RIVER MILE DESIGNATION: 0.10) FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) Q = CFS (100 YEAR DISCHARGE)
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-19	1196.99	N: 858904.642 E: 690575.721
HV-25	1202.93	N: 857299.372 E: 690164.926

HV-19 1196.99

HV-25 1202.93

REGISTERED LAND SURVEYOR 21780 CLYDE J. McCARTY 1/16/01 ARIZONA U.S.A.

NOTES

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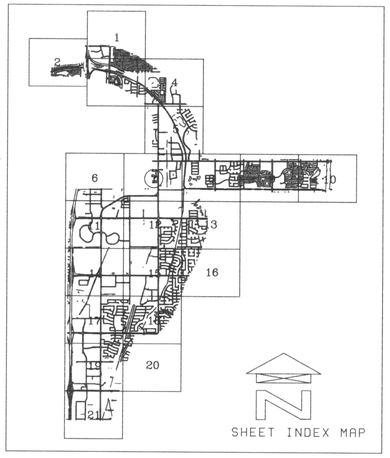

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL FLOOD DELINEATION STUDY OF F.C.D. CONTRACT NO. 1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR 29588 KIMBALL R. SIECFRIED Expires 1-8-01 ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 7 OF 21

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

EDGE MATCH TO SHEET 12 OF 21

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 5 OF 21

EDGE MATCH TO SHEET 7 OF 21

EDGE MATCH TO SHEET 9 OF 21

EDGE MATCH TO SHEET 13 OF 21

E 696,000 E 697,000 E 698,000

N 860,000 N 859,000 N 858,000 N 857,000

HV-20 1182.11

HV-26 1180.94

HV-27 1183.14

SUB-STATION

W.L. 1171.7 W.L. 1170.7 W.L. 1170.7 W.L. 1171.0

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION — FEMA CROSS SECTION DESIGNATION (A) — CROSS SECTION RIVER MILE DESIGNATION 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) Q = CFS (100 YEAR DISCHARGE)

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-20	1182.11	N: 859159.3619 E: 694187.592
HV-26	1180.94	N: 857784.557 E: 696644.858
HV-27	1183.14	N: 856994.689 E: 698412.947

REGISTERED LAND SURVEYOR 21780 CLYDE J. McCARTY 11/16/01 ARIZONA U.S.A.

NOTES

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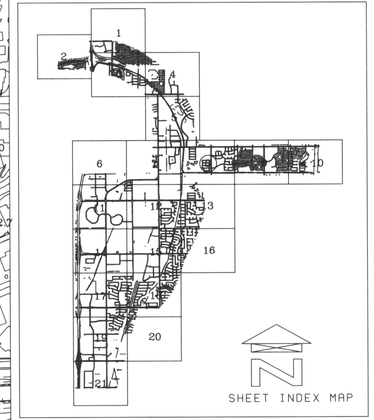

SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL FLOOD DELINEATION STUDY OF F.C.D. CONTRACT NO. 1999C063 ASSIGNMENT 2

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

REGISTERED LAND SURVEYOR 29588 KIMBALL R. McCLURED ARIZONA U.S.A. 11-16-01

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	–	–
DESIGN CHK.	–	–
PLANS	–	–
PLANS CHK.	–	–

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 8 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

E 699,000 | E 700,000 | E 701,000 | E 702,000 | E 703,000 | E 704,000

HV-22
1186.10

N 860,000 | N 859,000 | N 858,000 | N 857,000

EDGE MATCH TO SHEET 8 OF 21

EDGE MATCH TO SHEET 10 OF 21

HV-28
1185.65

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION — FEMA CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION — 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE)
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-22	1186.10	N: 860302.700 E: 700584.559
HV-28	1185.65	N: 856948.320 E: 703262.590

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21780
CLYDE J. McCARTY
1/6/01
ARIZONA U.S.A.

NOTES

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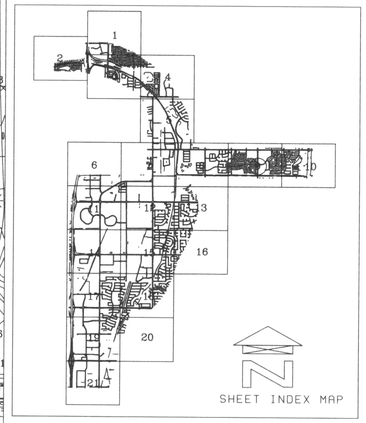


NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

200' 0' 200' 400'
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
22573
KIRK A. SIGFRIED
1-17-01
ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK	-	-
PLANS	-	-
PLANS CHK.	-	-

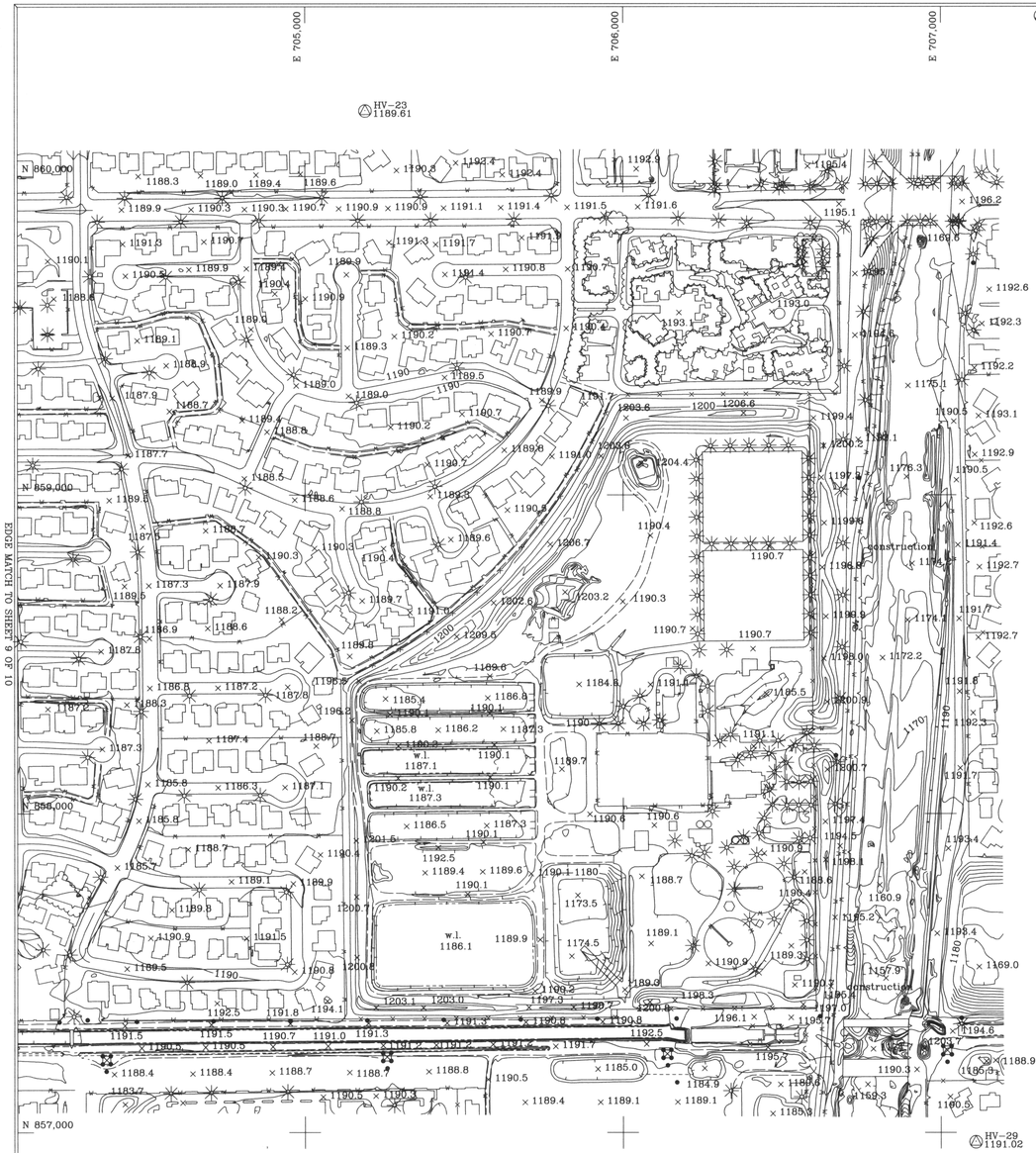
COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300

SHEET 9 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION — FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION; 0.10 Q = CFS; FP= 1888.74 FLOODPLAIN WATER SURFACE ELEVATION; FW= 1889.54 ENCROACHED WATER SURFACE ELEVATION; 100 YEAR DISCHARGE
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-23	1189.61	N: 860207.2135 E: 705188.755
HV-24	1192.59	N: 860504.332 E: 707314.872
HV-29	1191.02	N: 856972.260 E: 707109.423

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY Date Signed 1/4/01 ARIZONA, U.S.A.

NOTES

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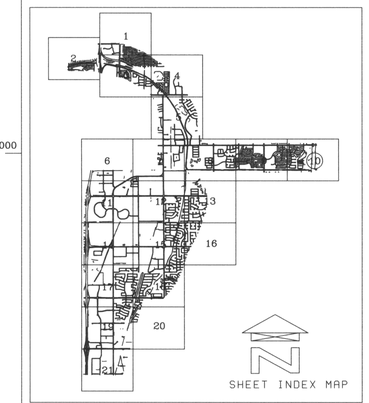

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

200' 0' 200' 400'
SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

REGISTERED LAND SURVEYOR 22018 KENNETH R. SWORTS Date Signed 1-17-01 ARIZONA, U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 10 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 6 OF 21

N 856,000 | N 855,000 | N 854,000 | N 853,000 | N 852,000

E 683,000 | E 684,000 | E 685,000 | E 686,000 | E 687,000

EDGE MATCH TO SHEET 12 OF 21

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION (A) 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE) — FERM CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-30	1233.31	N: 854984.558 E: 685984.176
HV-33	1251.02	N: 852352.973 E: 682793.098

REGISTERED LAND SURVEYOR — 21780 — CLYDE J. McCARTY — 1/14/01 — ARIZONA U.S.A.

NOTES

All mapping data is based on ground control provided by Stanley Consultants, Inc. The data has been shifted from ground coordinates to grid coordinates based on transformation parameters provided by Stanley Consultants, Inc. as requested by Maricopa County Flood Control District.

SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR — 29883 — MICHAEL R. SPLD — 1-17-01 — ARIZONA U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2698-020300 — SHEET 11 OF 21

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

EDGE MATCH TO SHEET 14 OF 21

COOPER AERIAL SURVEYS CO. JOB NO. 2698-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 7 OF 21

EDGE MATCH TO SHEET 11 OF 12

EDGE MATCH TO SHEET 13 OF 21

EDGE MATCH TO SHEET 15 OF 21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 — M13.0
EROSION SETBACK (WHEN APPLICABLE)	
CROSS SECTION	A (FERM CROSS SECTION DESIGNATION) 0.10 (CROSS SECTION RIVER MILE DESIGNATION) FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) Q = CFS (100 YEAR DISCHARGE)
ELEVATION REFERENCE MARK	ERM XXX
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-31	1199.41	N: 854939.887 E: 690534.431
HV-34	1196.19	N: 852928.017 E: 690611.169

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 21760 — CLYDE J. McCARTY — 1/16/01 — ARIZONA, U.S.A.

NOTES

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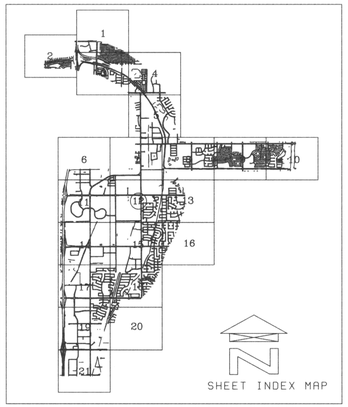

NO.	REVISION	BY	DATE
2			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 23186 — KIMBALL R. DIEFRIED — 1-17-01 — ARIZONA, U.S.A.

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 — SHEET 12 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 8 OF 21

EDGE MATCH TO SHEET 16 OF 21

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

LEGEND

100-YR FLOODPLAIN BOUNDARY
FLOODWAY BOUNDARY
HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 M13.0
EROSION SETBACK (WHEN APPLICABLE)
CROSS SECTION (A) 0.10 FP= 1888.74 FW= 1889.54 Q = CFS
FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION; FLOODPLAIN WATER SURFACE ELEVATION; ENCROACHED WATER SURFACE ELEVATION; 100 YEAR DISCHARGE
ELEVATION REFERENCE MARK — ERM XXX
BASE FLOOD ELEVATIONS — 1221
ZONE DESIGNATIONS — ZONE AE
CORPORATE LIMITS — Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-32	1182.14	N: 855028.990 E: 693992.698
HV-35	1177.64	N: 852911.362 E: 697689.007

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY ARIZONA, U.S.A.

NOTES

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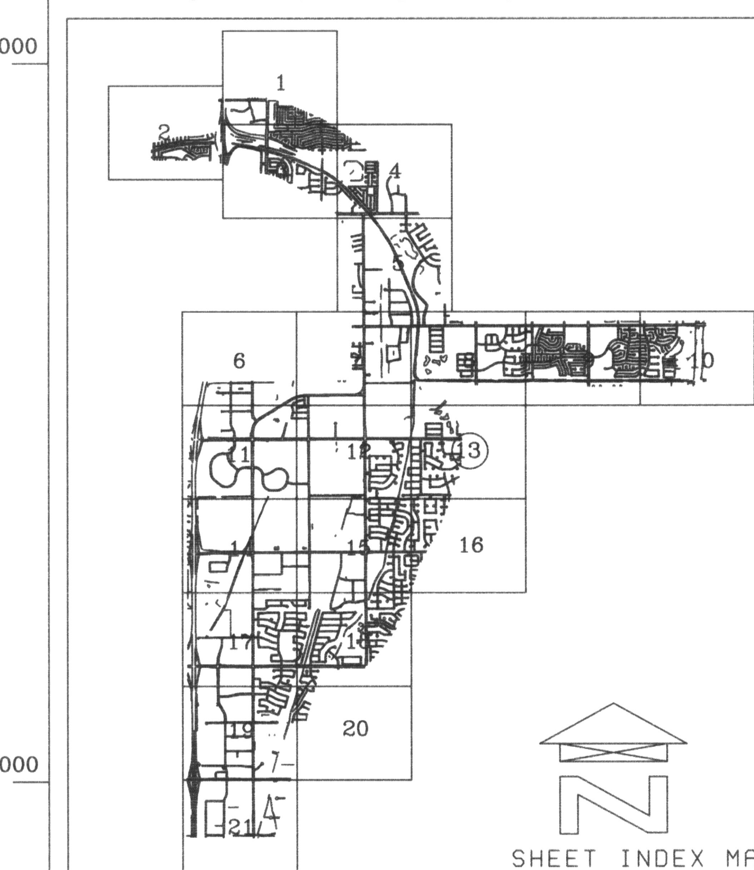

SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL FLOOD DELINEATION STUDY OF F.C.D. CONTRACT NO. 1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 13 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 11 OF 21

EDGE MATCH TO SHEET 15 OF 21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
EROSION SETBACK (WHEN APPLICABLE)	
CROSS SECTION	(A) 0.10 FP= 1888.74 / FW= 1889.54 / Q = CFS
ELEVATION REFERENCE MARK	ERM XXX
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION; FLOODPLAIN WATER SURFACE ELEVATION; ENCROACHED WATER SURFACE ELEVATION; 100 YEAR DISCHARGE

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-36	1213.22	N: 851008.349 E: 687322.952
HV-39	1237.27	N: 848386.925 E: 682737.046
HV-40	1212.47	N: 848220.528 E: 686525.470

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY Date Signed 1/16/01 ARIZONA, U.S.A.

NOTES

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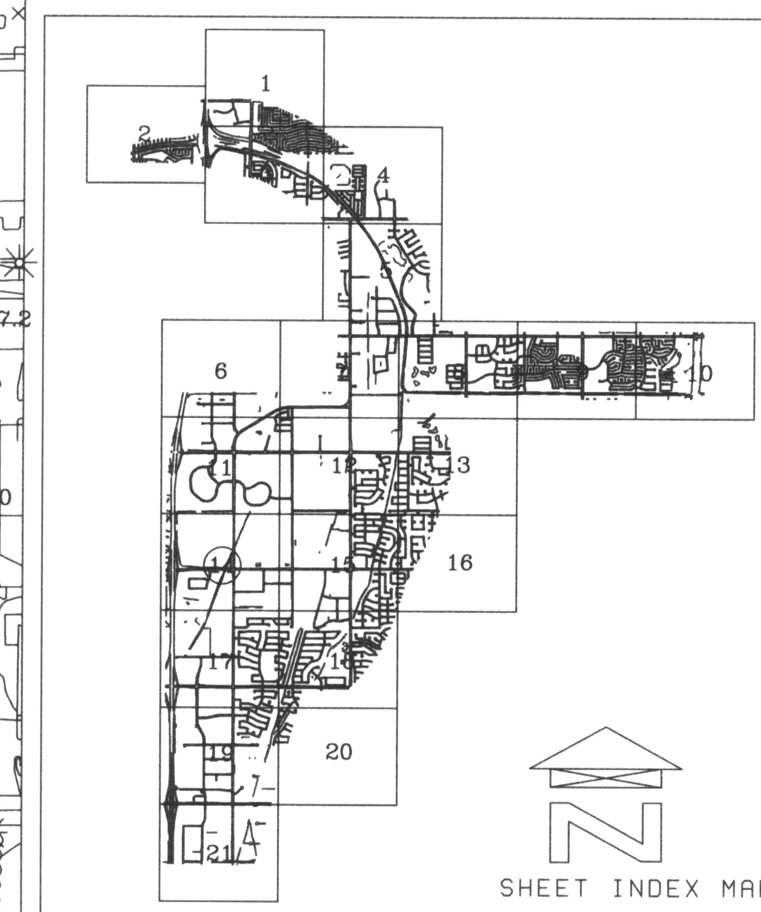

SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL FLOOD DELINEATION STUDY OF F.C.D. CONTRACT NO. 1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300

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

EDGE MATCH TO SHEET 17 OF 21

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 12 OF 21

EDGE MATCH TO SHEET 14 OF 21

EDGE MATCH TO SHEET 16 OF 21

EDGE MATCH TO SHEET 18 OF 21

LEGEND

100-YR FLOODPLAIN BOUNDARY	
FLOODWAY BOUNDARY	
HYDRAULIC BASE LINE WITH RIVER MILE	M12.0 M13.0
EROSION SETBACK (WHEN APPLICABLE)	
CROSS SECTION	(A) 0.10 FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) / FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) / Q = CFS (100 YEAR DISCHARGE); FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION
ELEVATION REFERENCE MARK	ERM XXX
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
CORPORATE LIMITS	Corporate Limits
COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY	County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-41	1187.24	N: 847952.391 E: 690549.755

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY 1/16/01

NOTES

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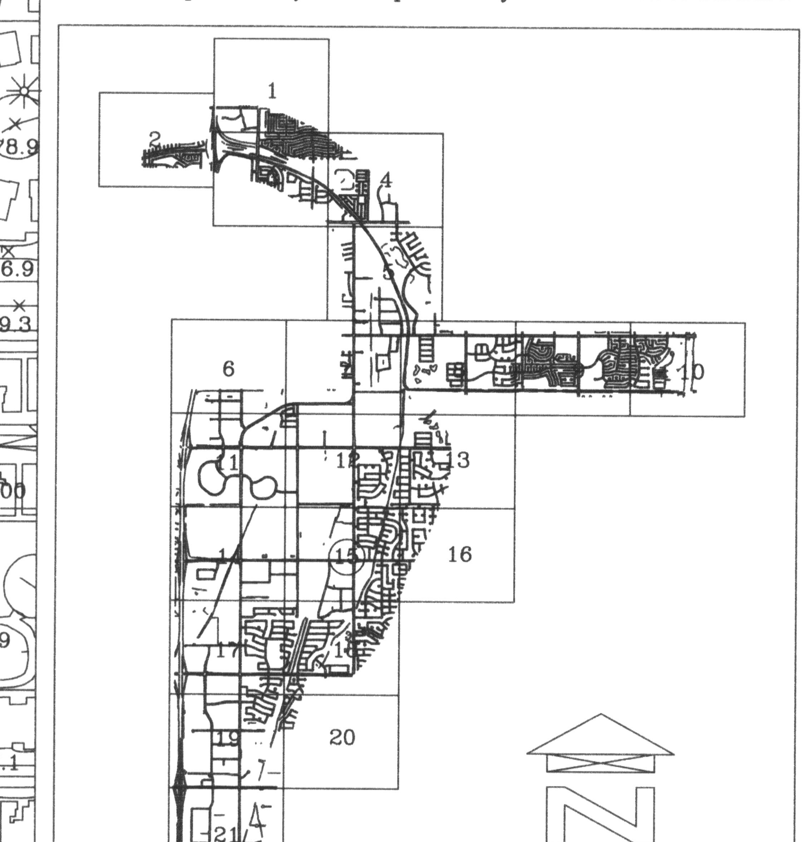


SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

REGISTERED LAND SURVEYOR CERTIFICATE NO. 29388 KIMBALL R. SIEGFRIED ARIZONA U.S.A. 1-17-01

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 15 OF 21

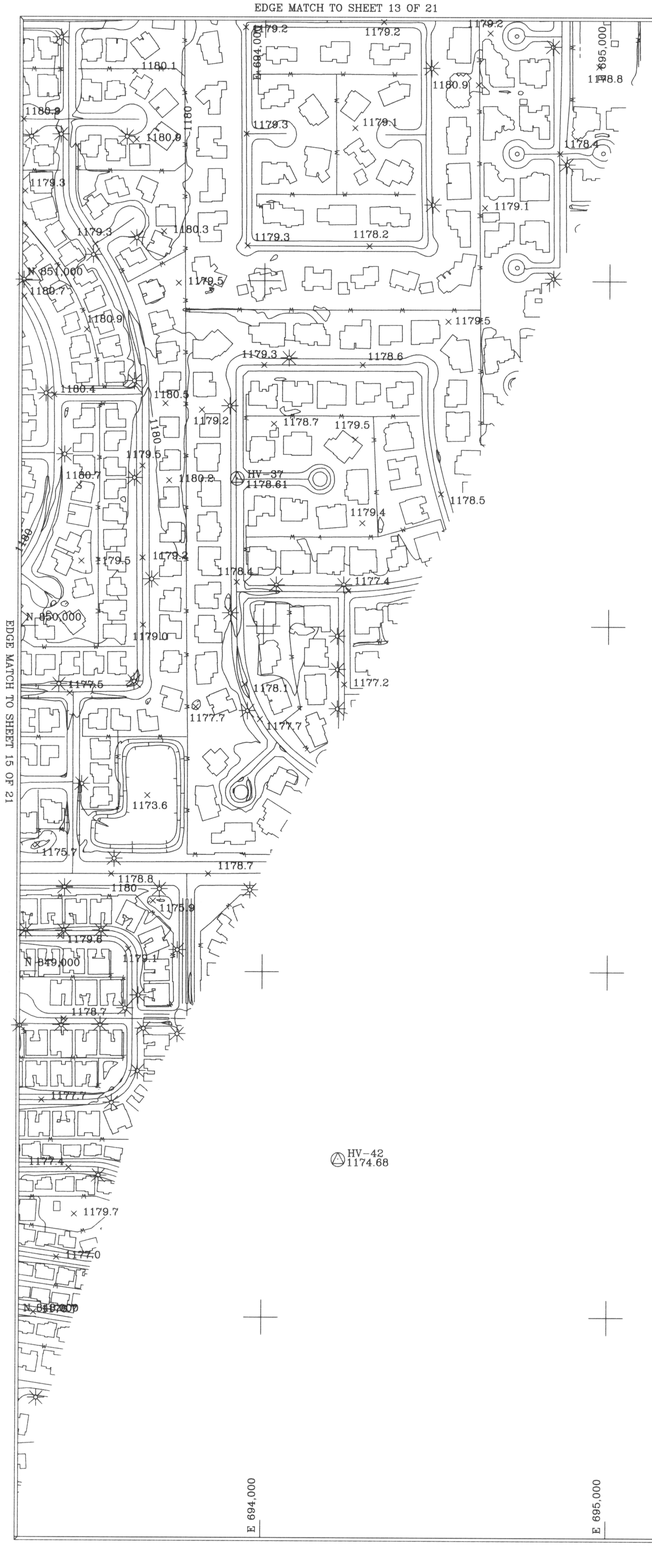
THIS MAP WAS PREPARED BY PHOTOGRAMMETRIC METHODS TO NATIONAL MAP ACCURACY STANDARDS FOR 1"= 200' HORIZONTAL SCALE AND 2' CONTOUR INTERVALS.

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 13 OF 21

EDGE MATCH TO SHEET 15 OF 21



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION (A) 0.10 — FEMA CROSS SECTION DESIGNATION; CROSS SECTION RIVER MILE DESIGNATION; FP= 1888.74 FLOODPLAIN WATER SURFACE ELEVATION; FW= 1889.54 ENCROACHED WATER SURFACE ELEVATION; Q = CFS 100 YEAR DISCHARGE
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-37	1178.61	N: 850429.858 E: 693922.079
HV-38	1178.16	N: 850614.773 E: 696808.375
HV-42	1174.68	N: 848458.184 E: 694221.474

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21780
CLYDE J. McCARTY
Date Signed 1/16/01
ARIZONA, U.S.A.

NOTES

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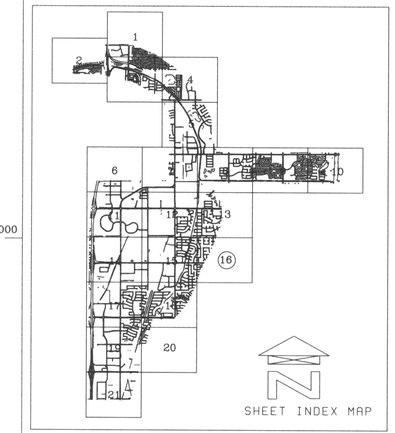

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	–	–
DESIGN CHK.	–	–
PLANS	–	–
PLANS CHK.	–	–

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 16 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 14 OF 21

EDGE MATCH TO SHEET 18 OF 21

EDGE MATCH TO SHEET 19 OF 21

N 847,000
N 846,000
N 845,000
N 844,000
N 843,000
E 683,000
E 684,000
E 685,000
E 686,000
E 687,000
E 688,000

CONSTRUCTION IN PROGRESS

CONSTRUCTION IN PROGRESS

HV 43
1205.20

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION — FERM CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION — A — 0.10 — Q = CFS — FP= 1888.74 FLOODPLAIN WATER SURFACE ELEVATION — FW= 1889.54 ENCROACHED WATER SURFACE ELEVATION — 100 YEAR DISCHARGE

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-43	1205.20	N: 846430.892 E: 686583.626

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
21780
CLYDE J. McCARTY
Date Signed 11/6/01
ARIZONA, U.S.A.

NOTES

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SHEET INDEX MAP

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

REGISTERED PROFESSIONAL ENGINEER
RICHARD R. LIFFORD
11-1-01

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 17 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 15 OF 21

EDGE MATCH TO SHEET 17 OF 21

EDGE MATCH TO SHEET 20 OF 21

WARNER RD.

E 688,000 E 689,000 E 690,000 E 691,000 E 692,000 E 693,000

N 847,000 N 846,000 N 845,000 N 844,000 N 843,000

HV-44 1173.63

HV-46 1177.85

W.L. 1176.6

W.L. 1177.7

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION (A) 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE) — (FEMA CROSS SECTION DESIGNATION) — (CROSS SECTION RIVER MILE DESIGNATION)

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-44	1173.63	N: 846541.868 E: 693198.501
HV-46	1177.85	N: 844357.666 E: 690404.645

REGISTERED LAND SURVEYOR CERTIFICATE NO. 21780 CLYDE J. McCARTY Surveyed 11/4/00 ARIZONA, U.S.A.

NOTES

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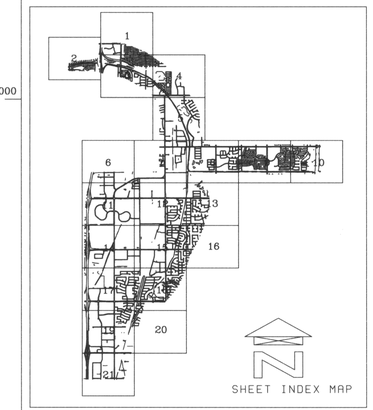


NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

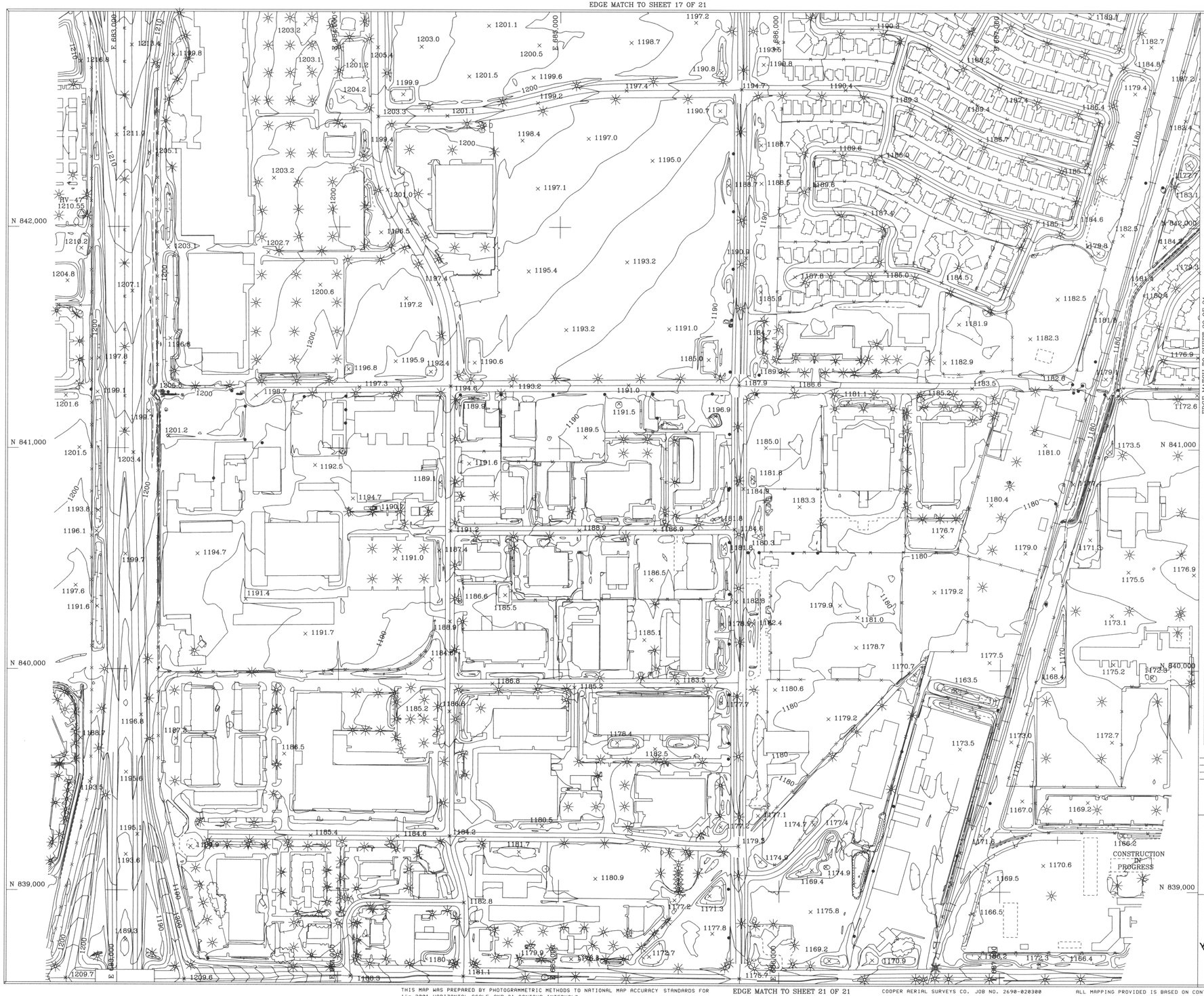
COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 18 OF 21

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

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 17 OF 21



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION (A — 0.10) — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE) — FEMA CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
HV-47	1210.55	N: 842060.812 E: 682830.662

NOTES

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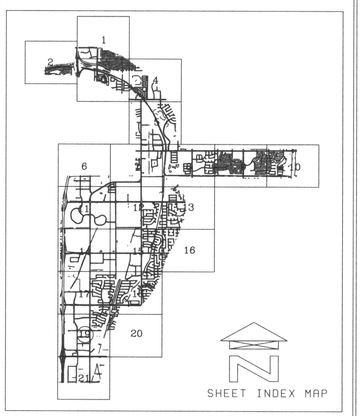

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300

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

EDGE MATCH TO SHEET 21 OF 21

COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

ALL MAPPING PROVIDED IS BASED ON CONTROL FURNISHED BY STANLEY CONSULTANTS, INC.

EDGE MATCH TO SHEET 18 OF 21

E 688,000 E 689,000 E 690,000 E 691,000 E 692,000 E 693,000

N 842,000 N 841,000 N 840,000 N 839,000

1180.9 1181.5 1180.7 1180 1178.2 1180.8 1176.9 1180.2 1178.2 1179.2

EDGE MATCH TO SHEET 19 OF 21

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0

EROSION SETBACK (WHEN APPLICABLE)

CROSS SECTION (A) 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE) — PERM. CROSS SECTION DESIGNATION — CROSS SECTION RIVER MILE DESIGNATION

ELEVATION REFERENCE MARK ERM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

CORPORATE LIMITS Corporate Limits

COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

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

NOTES

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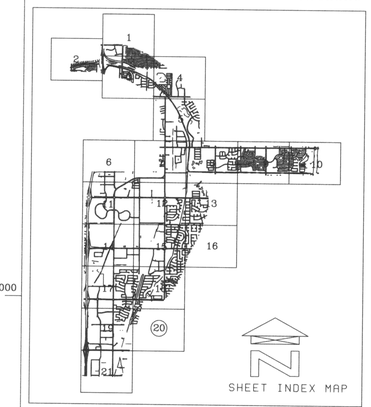

200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
1999C063 ASSIGNMENT 2

COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 20 OF 21

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COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

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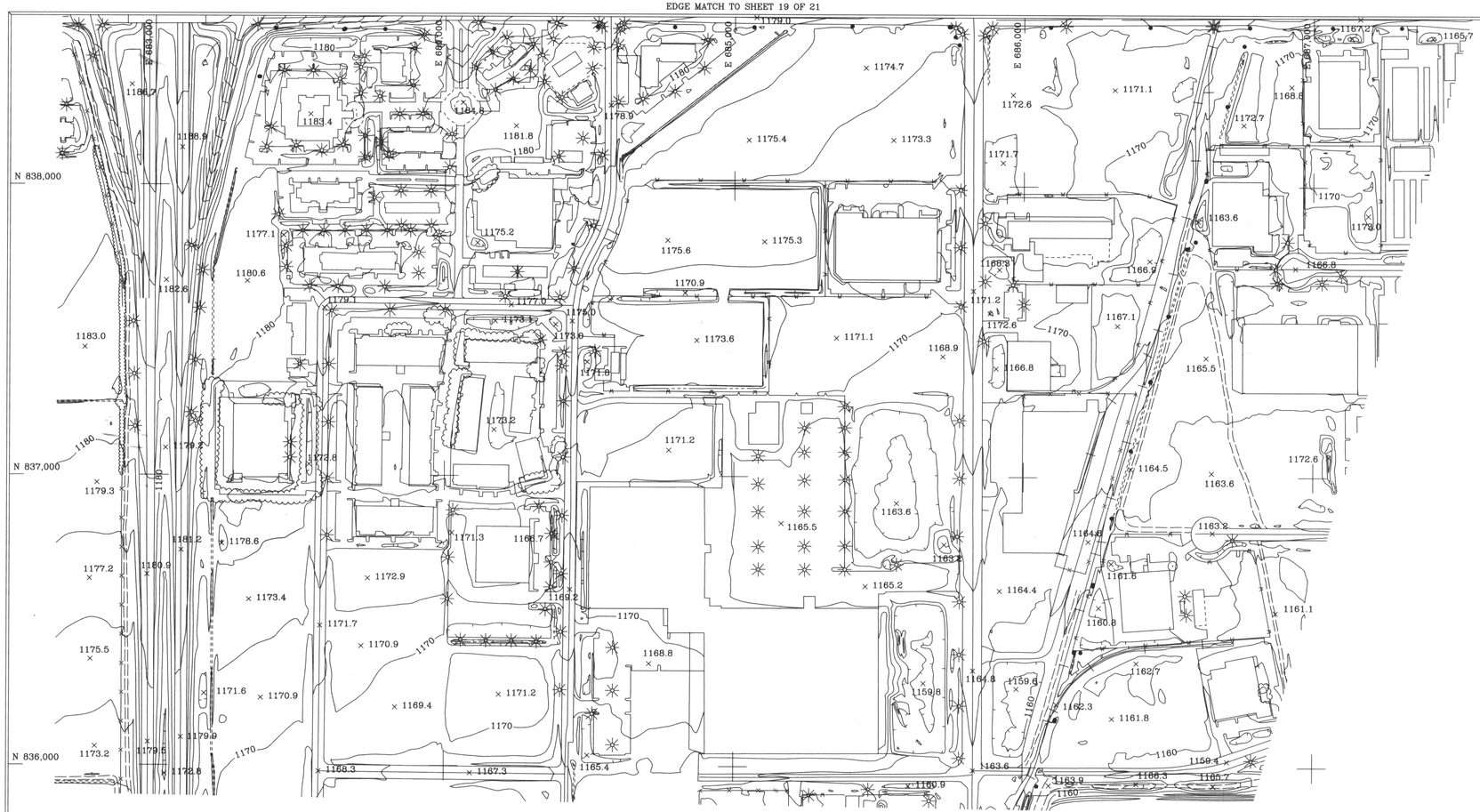
EDGE MATCH TO SHEET 19 OF 21



LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- FLOODWAY BOUNDARY
- HYDRAULIC BASE LINE WITH RIVER MILE — M12.0 — M13.0
- EROSION SETBACK (WHEN APPLICABLE)
- CROSS SECTION — FEMA CROSS SECTION DESIGNATION — CROSS SECTION OTHER MDLA DESIGNATION — A 0.10 — FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) — Q = CFS (100 YEAR DISCHARGE)
- ELEVATION REFERENCE MARK — ERM XXX
- BASE FLOOD ELEVATIONS — 1221
- ZONE DESIGNATIONS — ZONE AE
- CORPORATE LIMITS — Corporate Limits
- COUNTY, PARISH, STATE OR INTERNATIONAL BOUNDARY — County Boundary

GROUND CONTROL POINTS

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 29. HORIZONTAL NAD 83.

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

NOTES

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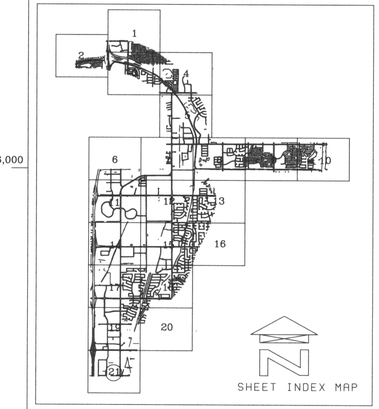

NO.	REVISION	BY	DATE
2			
1			

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

WESTERN HIGHLINE CANAL
FLOOD DELINEATION STUDY OF
F.C.D. CONTRACT NO.
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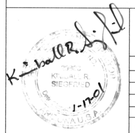
200' 0' 200' 400'

SCALE: 1"= 200 FEET
CONTOUR INTERVAL = 2 FEET
FLIGHT DATE: 04-03-00



COOPER AERIAL SURVEYS CO.

	BY	DATE
DESIGN	-	-
DESIGN CHK.	-	-
PLANS	-	-
PLANS CHK.	-	-

COOPER AERIAL SURVEYS CO.
JOB NO. 2690-020300 SHEET 21 OF 21

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COOPER AERIAL SURVEYS CO. JOB NO. 2690-020300

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