6 Paper Maps were scanned & placed before the original mylars. See notes relating to these 6 sheets listed below on pages 11, 14, 17, 20, 22, 23, & 27 of the mylars.

Map	Name of Sheet	Plate / Sheet	FCD Contract #	Task #
1.	T1S-R6W-S13 Sections 90 to 100	Plate 1, Sheet 1 of 1	FCD 2000C013	Task 11
2.	T1N-R6W-S05 Sections 50 to 60	Plate 1, Sheet 1 of 1	FCD 2000C005	Task 4
3.	T1N-R6W-S05 Sections 50 to 60	Plate 1, Sheet 1 of 1	FCD 2000C005	Task 4
4.	T1S-R5W-S17 Sections 5 to 30	Plate 1, Sheet 1 of 3	FCD 2000C013	Task 12
5.	T1S-R5W-S17 Sections 5 to 30	Plate 1, Sheet 2 of 3	FCD 2000C013	Task 12
6.	T1S-R5W-S17 Sections 5 to 30	Plate 1, Sheet 3 of 3	FCD 2000C013	Task 12

LUKE WASH WATERSHED

END OF DETAILED STUDY

EXISTING ZONE A

END OF DETAILED STUDY

96.2 FP= 1053.00 FW= 1053.18 Q = 3400 CFS

95.2 FP= 1051.26 FW= 1052.20 Q = 3400 CFS

94.2 FP= 1049.96 FW= 1050.94 Q = 3400 CFS

93.2 FP= 1048.40 FW= 1048.90 Q = 3400 CFS

92.2 FP= 1046.62 FW= 1047.09 Q = 3400 CFS

96.1 FP= 1055.80 FW= 1055.80 Q = 2300 CFS

95.1 FP= 1052.64 FW= 1052.81 Q = 2300 CFS

94.1 FP= 1051.29 FW= 1051.36 Q = 2300 CFS

93.1 FP= 1049.27 FW= 1049.27 Q = 2300 CFS

92.1 FP= 1046.68 FW= 1047.17 Q = 2300 CFS

91 FP= 1045.65 FW= 1046.16 Q = 4950 CFS

90 FP= 1044.21 FW= 1044.59 Q = 4950 CFS

1053 1051 1050 1049 1048 1047 1046 1045

ZONE AE ZONE X ZONE AE ZONE X ZONE AE ZONE X

T1NR6WS12

T1SR6WS13 UPPER

T1SR6WS13 LOWER

1 6 12 7

R6W R5W

VAN BUREN ROAD

SECTION CORNER

355TH AVENUE

STATION 1+00 LINE

NOTE: LEFT AND RIGHT FP AND FW LIMITS FOR 92.1 ARE SET EQUAL TO THE TOP OF BANK STATIONS

ZONE A SECTION 90

100' 0' 100' 200'

SCALE: 1" = 100 FEET

CONTOUR INTERVAL = 2 FEET

SEE FCD CONTRACT NO. 99-03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1SR6WS13 AND T1N6WS12 SECTIONS 90 TO 100

FLOOD DELINEATION STUDY OF FCD NO. 2000C013-TASK11

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

CROSS SECTION 0.10 FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) Q = xxx CFS (100 YEAR DISCHARGE) (CROSS SECTION IDENTIFICATION NUMBER)

TEMPORARY BENCH MARK TBM XXX

BASE FLOOD ELEVATIONS 1221

ZONE DESIGNATIONS ZONE AE

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1988.

NGVD29 + 1.97 FEET = NVAD88

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1	1047.48	NW CORNER OF CONCRETE PAD FOR WELL HEAD N: 891298.89 E: 425377.57
TBM #2	1048.92	NW CORNER OF CONCRETE PAD FOR WELL HEAD N: 891477.80 E: 424876.76

NOTES

1- THE HYDRAULIC BASE LINE IS CROSS SECTION STATION 100 UNLESS NOTED OTHERWISE. BASELINE IS ALONG THE 355TH AVE ALIGNMENT AS INDICATED ON MAP

2- FLOODPLAIN AND FLOODWAY SHARE A COMMON BOUNDARY WHERE NO SEPARATE FLOODWAY LINE IS SHOWN

SHEET INDEX MAP

MCDOWELL

355TH AVE

339TH AVE

THIS AREA

VAN BUREN

BUCKEYE

LOWER BUCKEYE

FIRM 1985

JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.

6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480-752-2124, FAX: 480-839-2193

PLATE 1

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

06-19-01

SHEET 1 OF 1

WORKING MAPS

THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

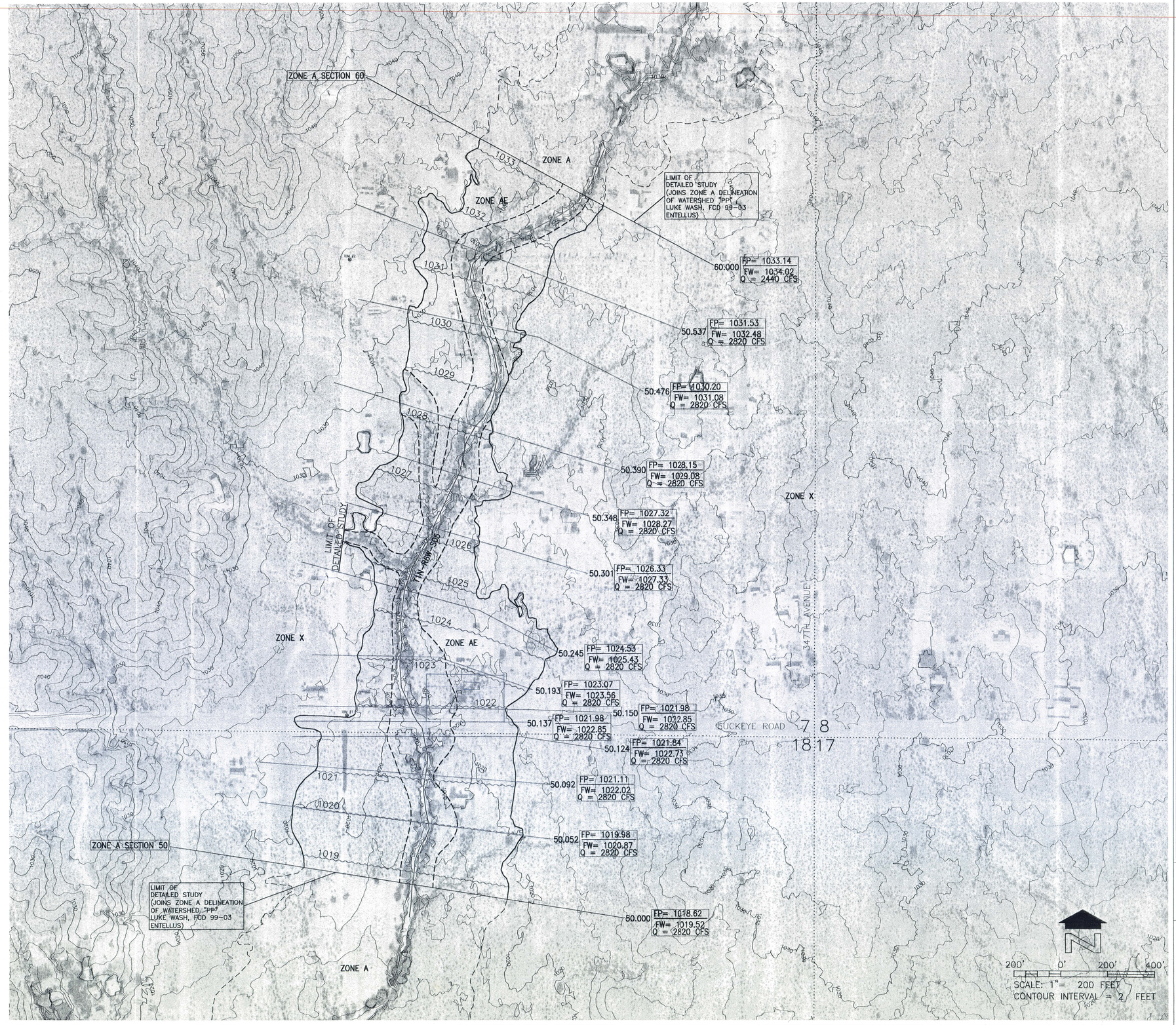
LUKE WASH WATERSHED SEC 90-100

LUKE WASH WATERSHED

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1N–R6W–S05
SECTIONS 50 to 60

FLOOD DELINEATION STUDY OF FCD NO. 2000C005–TASK4



LEGEND

100–YR FLOODPLAIN BOUNDARY	———
FLOODWAY BOUNDARY	– – – – – –
CROSS SECTION	0.10 FP= 1888.74 FW= 1889.54 Q = 2080 CFS (0.10: CROSS SECTION IDENTIFICATION NUMBER; FP: FLOODPLAIN WATER SURFACE ELEVATION; FW: ENCROACHED WATER SURFACE ELEVATION; Q: 100 YEAR DISCHARGE)
TEMPORARY BENCH MARK	TBM #1
BASE FLOOD ELEVATIONS	1221
ZONE DESIGNATIONS	ZONE AE
SECTION LINE	.....
SECTION CORNER	6 5 / 7 8

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

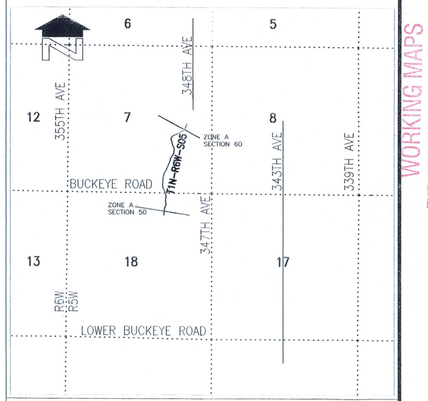
NGVD29 + 1.97 FEET = NAVD88

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1	1023.45	SET COTTON SPINDLE IN W. SIDE OF POWER POLE #1253583, AT THE NE CORNER OF 350TH AVENUE AND BUCKEYE ROAD N: 887215.78 E: 428940.06
TBM #2	1034.34	SET COTTON SPINDLE IN W. SIDE OF POWER POLE #1253636, (8TH POWER POLE NORTH OF BUCKEYE ROAD ON THE E. SIDE OF 350TH AVE. N: 889158.53 E: 428954.39

NOTES

1– THE HYDRAULIC BASE LINE IS THE THALWEG AND IS SET AT STATION 10,000 UNLESS NOTED OTHERWISE.

2– FLOODPLAIN AND FLOODWAY SHARE A COMMON BOUNDARY WHERE NO SEPARATE FLOODWAY LINE IS SHOWN SHOWN



WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC
6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480–752–2124, FAX: 480–839–2193

PLATE 1

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

11-29-01 SHEET 1 OF 1

SEE FCD CONTRACT NO. 99–03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

SECTION CORNERS, LINES, AND CADASTRAL INFORMATION SHOWN HEREON ARE APPROXIMATE ONLY AND HAVE NOT BEEN ESTABLISHED BY PROPERTY SURVEY METHODS.

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1N–R6W–S05
SECTIONS 50 to 60

FLOOD DELINEATION STUDY OF FCD NO. 2000C005–TASK4

LEGEND

100–YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

CROSS SECTION — 0.10 (CROSS SECTION IDENTIFICATION NUMBER) — FP= 1888.74 (FLOODPLAIN WSEL SURFACE ELEVATION) — FW= 1889.54 (ENCROACHED WSEL SURFACE ELEVATION) — Q = 2080 CFS (100 YEAR DISCHARGE)

TEMPORARY BENCH MARK — TBM #1

BASE FLOOD ELEVATIONS — 1221

ZONE DESIGNATIONS — ZONE AE

SECTION LINE

SECTION CORNER — 6 5 / 7 8

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.

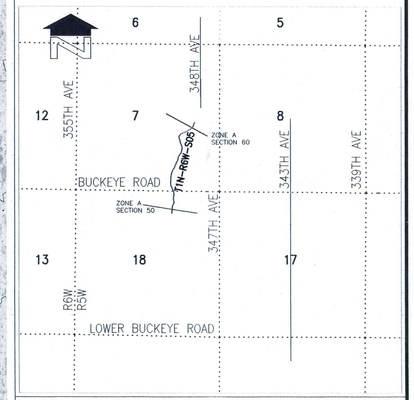
NGVD29 + 1.97 FEET = NAVD88

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1	1023.45	SIT COTTON SPINDLE IN W. SIDE OF POWER POLE #1253583 AT THE NE CORNER OF 350TH AVENUE AND BUCKEYE ROAD N: 887215.78 E: 428940.06
TBM #2	1034.34	SIT COTTON SPINDLE IN W. SIDE OF POWER POLE #1253636, (8TH POWER POLE NORTH OF BUCKEYE ROAD ON THE E. SIDE OF 350TH AVE. N: 889158.53 E: 428954.39

NOTES

1– THE HYDRAULIC BASE LINE IS THE THALWEG AND IS SET AT STATION 10,000 UNLESS NOTED OTHERWISE.

2– FLOODPLAIN AND FLOODWAY SHARE A COMMON BOUNDARY WHERE NO SEPARATE FLOODWAY LINE IS SHOWN SHOWN



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC
6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480-752-2124, FAX: 480-839-2193

PLATE 1

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

SHEET 1 OF 1

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE AREA OF FLOODPLAIN AND IS SUBJECT TO CHANGE.

SEE FCD CONTRACT NO. 99–03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

SECTION CORNERS, LINES, AND CADASTRAL INFORMATION SHOWN HEREON ARE APPROXIMATE ONLY AND HAVE NOT BEEN ESTABLISHED BY PROPERTY SURVEY METHODS.

LUKE WASH WATERSHED

10.079 FP= 879.62 / FW= 880.59 / Q = 4900 CFS

10.000 FP= 877.51 / FW= 878.32 / Q = 4900 CFS

5.296 FP= 875.96 / FW= 876.84 / Q = 4900 CFS

5.218 FP= 874.19 / FW= 875.15 / Q = 4900 CFS

5.138 FP= 872.54 / FW= 873.52 / Q = 4900 CFS

5.058 FP= 870.71 / FW= 871.68 / Q = 4900 CFS

5.000 FP= 869.45 / FW= 870.43 / Q = 4900 CFS

1.491 FP= 867.78 / FW= 868.72 / Q = 4900 CFS

1.403 FP= 866.02 / FW= 866.94 / Q = 4900 CFS

1.313 FP= 865.20 / FW= 865.64 / Q = 4900 CFS

1.247 FP= 865.00 / FW= 865.00 / Q = 4900 CFS

878 877 875 873 872 871 870 869 867

Olney Ave

Olney Ave

Steinway Dr

Steinway Dr

Sunrise Dr

ZONE X

ZONE X

ZONE AE

ZONE A SECTION 5

EXISTING ZONE A

351st Ave

349th Ave

347th Ave

Western Star Blvd

Elliot Rd

T1S-R5W-S17

T1S-R5W-S18

END OF DETAILED STUDY

7 8 18 19

SCALE: 1" = 200 FEET
CONTOUR INTERVAL = 2 FEET

200' 0 200' 400'

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1S-R5W-S17
SECTIONS 5 TO 30

FLOOD DELINEATION STUDY OF
FCD NO. 2000C013-TASK12

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

CROSS SECTION — 0.10 FP= 1888.74 / FW= 1889.54 / Q = xxx CFS (CROSS SECTION IDENTIFICATION NUMBER; FLOODPLAIN WATER SURFACE ELEVATION; ENCROACHED WATER SURFACE ELEVATION; 100 YEAR DISCHARGE)

TEMPORARY BENCH MARK — TBM XXX

BASE FLOOD ELEVATIONS — 1221

ZONE DESIGNATIONS — ZONE AE

SECTION LINE

SECTION CORNER — 6 5 / 7 8

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
NGVD29 + 1.97 FEET = NAVD88

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1 (See Sheet 2)	891.19	No.5 rebar exposed .40' at apparent NW corner corner of Lot 229, Block 506 of Phx Valley West, Unit One. N: 861307.67 E: 427326.50

NOTES

1- THE HYDRAULIC BASE LINE IS THE THALWEG AND IS SET AT STATION 10,000 UNLESS NOTED OTHERWISE.

2- FLOODPLAIN AND FLOODWAY SHARE A COMMON BOUNDARY WHERE NO SEPARATE FLOODWAY LINE IS SHOWN SHOWN

SHEET INDEX MAP

355TH AVE 347TH AVE

BASELINE RD — TOWNSHIP 1N / TOWNSHIP 1S — RANGE 6W / RANGE 5W

SHEET 3 SHEET 2 SHEET 1

DOBBINS RD

ELLIOT RD

5 12 8 13 18 17

JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.
6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480-752-2124, FAX: 480-839-2193

PLATE 1

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

11-29-01

SEE FCD CONTRACT NO. 99-03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

SECTION CORNERS, LINES, AND CADASTRAL INFORMATION SHOWN HEREON ARE APPROXIMATE ONLY AND HAVE NOT BEEN ESTABLISHED BY PROPERTY SURVEY METHODS.

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAP WAS DEVELOPED FOR TECHNICAL INFORMATION AVAILABLE AT THE TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

LAKE WASH WATERSHED

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1S-R5W-S17
SECTIONS 5 TO 30

FLOOD DELINEATION STUDY OF FCD NO. 2000C013-TASK12

LEGEND

100-YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

CROSS SECTION — 0.10 (CROSS SECTION IDENTIFICATION NUMBER) FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) Q = xxx CFS (100 YEAR DISCHARGE)

TEMPORARY BENCH MARK — TBM XXX

BASE FLOOD ELEVATIONS — 1221

ZONE DESIGNATIONS — ZONE AE

SECTION LINE

SECTION CORNER — 6 5 / 7 8

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
NGVD29 + 1.97 FEET = NAVD88

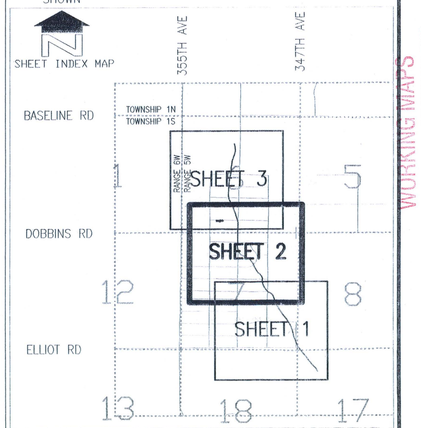
I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1	891.19	No.5 rebar exposed .40' at apparent NW corner corner of Lot 229, Block 506 of Phx Valley West, Unit One. N: 861307.67 E: 427326.50

NOTES

1- THE HYDRAULIC BASE LINE IS THE THALWEG AND IS SET AT STATION 10,000 UNLESS NOTED OTHERWISE.

2- FLOODPLAIN AND FLOODWAY SHARE A COMMON BOUNDARY WHERE NO SEPARATE FLOODWAY LINE IS SHOWN SHOWN

SHEET INDEX MAP



JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC.
6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480-752-2124, FAX: 480-839-2193

PLATE 1

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

11-29-01 SHEET 2 OF 3

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

SEE FCD CONTRACT NO. 99-03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

SECTION CORNERS, LINES, AND CADASTRAL INFORMATION SHOWN HEREON ARE APPROXIMATE ONLY AND HAVE NOT BEEN ESTABLISHED BY PROPERTY SURVEY METHODS.

LUKE WASH WATERSHED

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

T1S–R5W–S17
SECTIONS 5 TO 30

FLOOD DELINEATION STUDY OF FCD NO. 2000C013–TASK12

LEGEND

100–YR FLOODPLAIN BOUNDARY

FLOODWAY BOUNDARY

CROSS SECTION — 0.10 (CROSS SECTION IDENTIFICATION NUMBER) FP= 1888.74 (FLOODPLAIN WATER SURFACE ELEVATION) / FW= 1889.54 (ENCROACHED WATER SURFACE ELEVATION) / Q = XXX CFS (100 YEAR DISCHARGE)

TEMPORARY BENCH MARK — TBM XXX

BASE FLOOD ELEVATIONS — 1221

ZONE DESIGNATIONS — ZONE AE

SECTION LINE

SECTION CORNER — 6 5 / 7 8

TEMPORARY BENCH MARKS (TBM)

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
NGVD29 + 1.97 FEET = NAVD88

I.D. NUMBER	ELEVATION (FT)	DESCRIPTION/LOCATION
TBM #1	891.19	No.5 rebar exposed .40' at apparent NW corner corner of Lot 229, Block 506 of Phx Valley West, Unit One. N: 861307.67 E: 427326.50

NOTES

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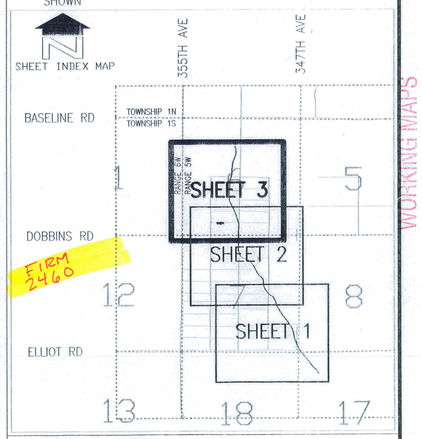


JE FULLER HYDROLOGY & GEOMORPHOLOGY, INC
6101 SOUTH RURAL RD, STE 110, TEMPE, AZ 85283 PHN: 480–752–2124, FAX: 480–839–2193

FIRM 2460

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

PLATE 1

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

11-29-01

SEE FCD CONTRACT NO. 99–03 FOR SURVEY CONTROL AND AERIAL MAPPING DATA. BASE MAPPING FOR THIS MAP IS PER THAT STUDY

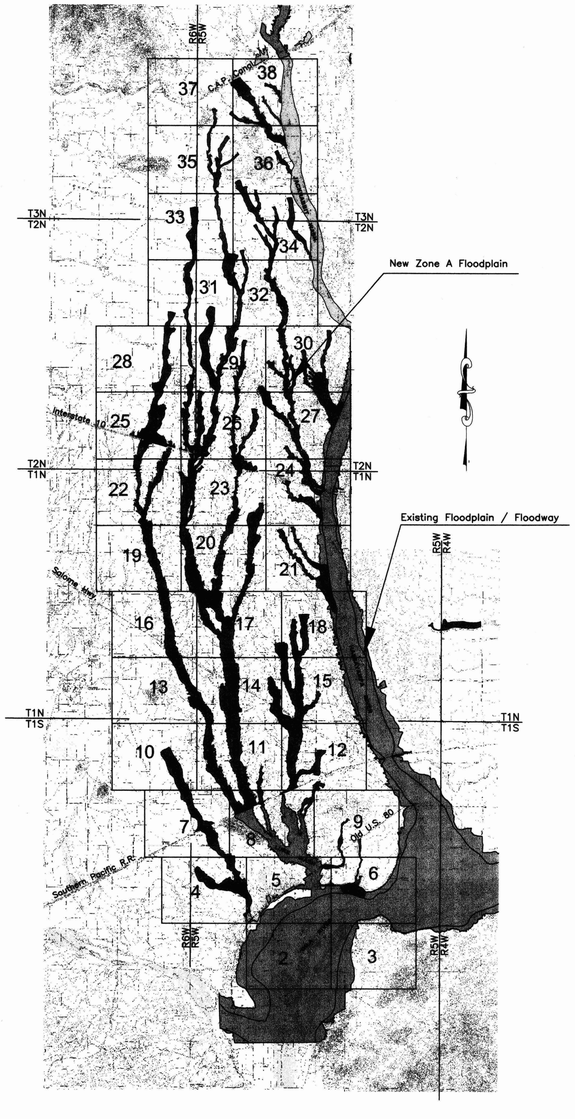
SECTION CORNERS, LINES, AND CADASTRAL INFORMATION SHOWN HEREON ARE APPROXIMATE ONLY AND HAVE NOT BEEN ESTABLISHED BY PROPERTY SURVEY METHODS.

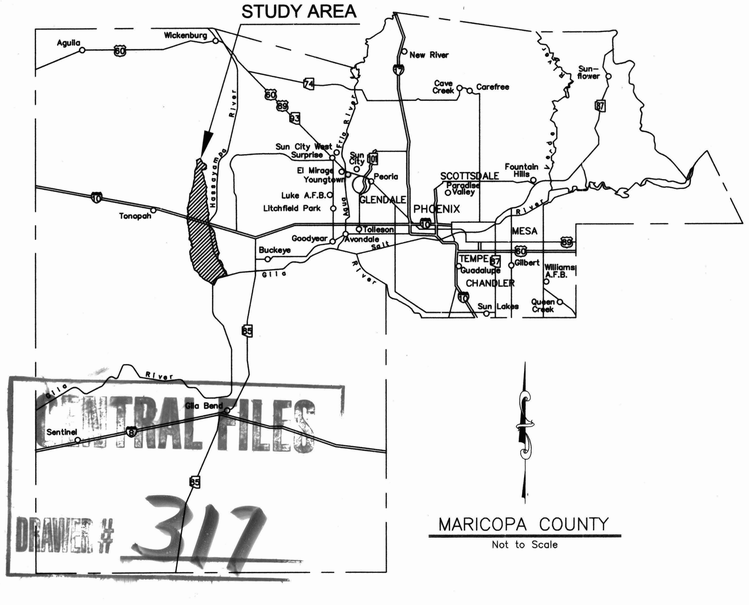
FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY:F.C.D. CONTRACT NO. 2002C033-1





MARICOPA COUNTY
Not to Scale

LOCATION MAP

Zone A Delineation of Watershed
"PP" Luke Wash, Revised

FCD 99-03/FCD 2002C033-1/FEMA 03-09-1562P
Drawer 317

FILE: 8901/8900B/Views/Cover2.dwg DATE: 06/26/2004

AERIAL MAPPING

USGS 7.5 Minute Quadrangle Topographic Mapping Supplements with LIDAR Mapping
EagleScan
1770 Ranger Street, Suite B
Boulder, Colorado 80301

GROUND CONTROL

Project Engineering Consultants, Ltd.
2310 W. Mission Ln.
Phoenix, Az. 85021

HYDROLOGY

Entellus, Inc.
2255 North 44th Street, Suite 125
Phoenix, Az. 85008-3279

HYDRAULICS

Entellus, Inc.
2255 North 44th Street, Suite 125
Phoenix, Az. 85008-3279

JUN 18 2003

FEMA CASE No.: 03-09-1562P
EFFECTIVE DATE; MAY 7, 2004

Entellus™
2255 N. 44th Street Suite 125
Phoenix, AZ 85008-3279
Tel 602.244.2566
Fax 602.244.2947
E-mail www.entellus.com

	BY	DATE
DESIGN	HHA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 1 OF 38

SEE SHEET 5

ERM 123
SEE SHEET 8

CACTUS ROSE RD.

29 28 28 27

32 33 33 34

Well

804

399

Arlington Sch

GILA RIVER FLOOD INSURANCE STUDY
MICHAEL BAKER JR.
FCD 99-59 / 02-01
(NOT PART OF THIS STUDY)

Water Tanks

(339TH AVE.)

GILA RIVER VALLEY

331ST AVE. (ALIGNMENT)

SEE SHEET 3

SCHOOL

760

32 33 33 34

PECOS RD. (ALIGNMENT)

T1S

T2S

5 4 4 3

ARLINGTON

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

29737 HERNAN A. ARISTIZABAL Date Signed 6/19/03 ARIZONA, U.S.A.

FILE: 310\310010a\Draw\000_Plan_02.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

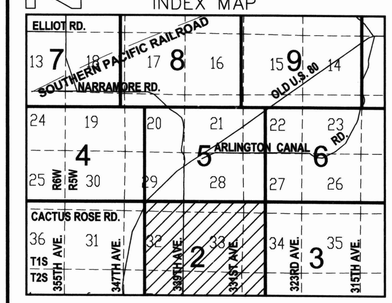
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
123	859.68	United States Geological Survey Brass Cap,+/- 100' south of Southern Pacific Railroad tracks, +/- 3 miles southwesterly of Salome Highway, stamped " M 10" (See Sheet 8)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

Entellus™
2255 N. 44th Street Suite 125
Phoenix, AZ 85008-3279
Tel 602.244.2566
Fax 602.244.8947
E-mail www.entellus.com

	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SEE SHEET 6

ERM 123
SEE SHEET 8

Powers Butte
VABM 1294

GILA RIVER FLOOD INSURANCE STUDY
MICHAEL BAKER JR.
FCD 99-59 / 92-01
(NOT PART OF THIS STUDY)

GILA RIVER

FRYE RD. (ALIGNMENT) (CACTUS ROSE RD.)

Well

RIVER

GILA

GILA RIVER FLOOD INSURANCE STUDY
MICHAEL BAKER JR.
FCD 99-59 / 92-01
(NOT PART OF THIS STUDY)

Powers Butte Farms

323RD AVE. (ALIGNMENT)

315TH AVE. (ALIGNMENT)

PECOS RD.

T1S

T2S

25E 6G

SEE SHEET 2

SEE SHEET 8

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

Registered Professional Engineer
CERTIFICATE NO.
20787
HERNAN A. ARISTIZABAL
Date Signed
ARIZONA, U.S.A.

FILE: 310\310010a\Draw\000_Plan_03.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

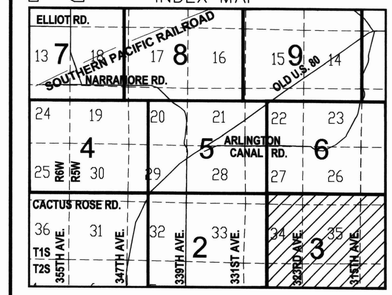
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
123	859.68	United States Geological Survey Brass Cap, +/- 100' south of Southern Pacific Railroad tracks, +/- 3 miles southwesterly of Salome Highway, stamped " M 10" (See Sheet 8)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
USGS CONTOUR INTERVAL = 10 - 20 FEET

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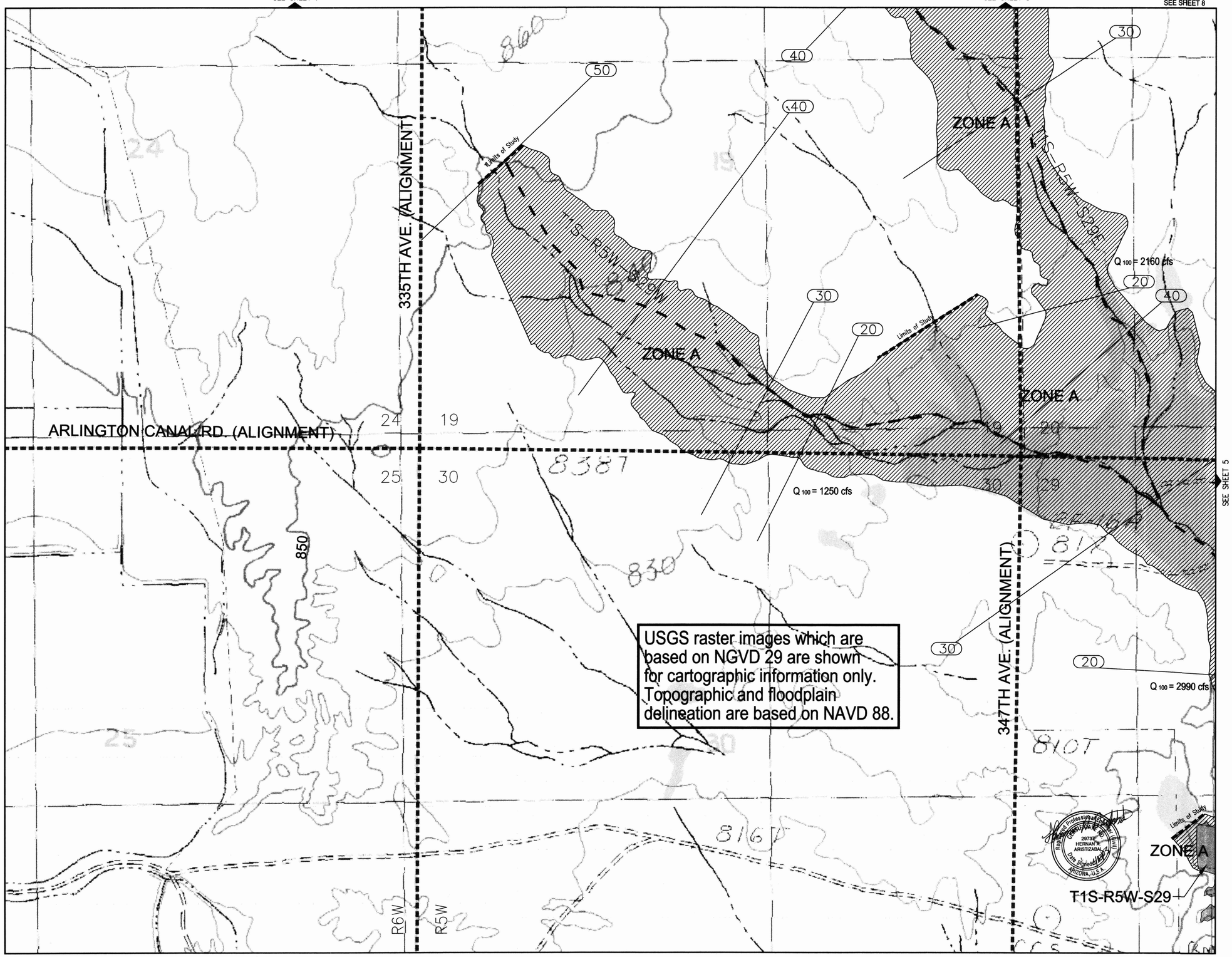
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
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CORPORATE LIMITS	Corporate Limits
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EXISTING FLOODWAY	
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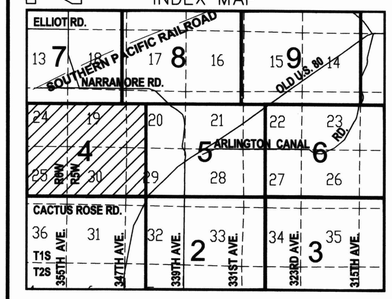

400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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DESIGN CHK.	HAA	06/2003
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PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 4 OF 38

FILE: 31\310010a\Drawings\000_Plan_04.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

SEE SHEET 8

SEE SHEET 9

ERM 123
SEE SHEET 8

LUKE WASH FLOOD INSURANCE STUDY
COE AND VAN LOO CONSULTANTS
FCD. 90-68
(NOT PART OF THIS STUDY)

LUKE WASH

850

833

830

10

T1S-R5W-S22

20

Q100 = 600 cfs

800

Arlington

339TH AVE.

331ST AVE.

OLD U.S. 80

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

30

ARLINGTON CANAL RD. (ALIGNMENT)

20 21 22

29 28 27

SEE SHEET 4

SEE SHEET 6

ZONE A

T1S-R5W-S29

20

Q100 = 2990 cfs

10

ARLINGTON CANAL

800

ARLINGTON SCHOOL RD.

GILA RIVER FLOOD INSURANCE STUDY
MICHAEL BAKER JR.
FCD 88-59 / 92-01
(NOT PART OF THIS STUDY)

GILA RIVER

SEE SHEET 2

FILE: 310\310010o\Draw\000_Plan_05.Dwg. DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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NOTES

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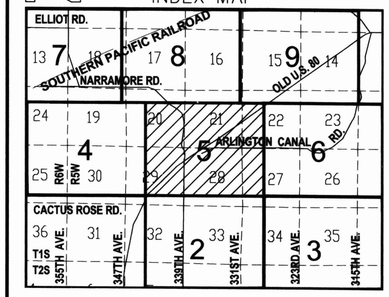

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SCALE: 1" = 400'
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 5 OF 38

SEE SHEET 9

ERM 123
SEE SHEET 8

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 88 - 04
(NOT PART OF THIS STUDY)

HASSAYAMPA RIVER

ARLINGTON CANAL

ARLINGTON

T1S-R5W-S22

T1S-R5W-S23

ZONE A

Q 100 = 600 cfs

Q 100 = 680 cfs

795 Well

784

ARLINGTON CANAL RD. (ALIGNMENT)

Q 100 = 840 cfs

SPOIL BANK

GILA RIVER FLOOD INSURANCE STUDY
MICHAEL BAKER JR.
FCD 99-59 / 92-01
(NOT PART OF THIS STUDY)

323RD AVE.

315TH AVE.

GILA RIVER

GILA

SEE SHEET 5

SEE SHEET 3

FILE: 31_310010a\Dcwn\000_Plan_06.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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NOTES

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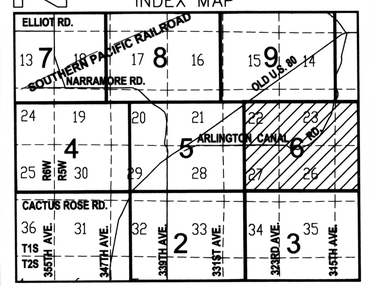
INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 6 OF 38

SEE SHEET 10

SEE SHEET 11

ERM 123
SEE SHEET 8

SEE SHEET 8

SEE SHEET 8

ELLIOT RD.

363RD AVE. (ALIGNMENT)

355TH AVE.

SOUTHERN PACIFIC RAILROAD

NARRAMORE ROAD

ZONE A

100

90

80

60

50

40

5

Q_{100} = 4900 cfs

Q_{100} = 1550 cfs

Q_{100} = 2160 cfs

T1S-R5W-S22N

T1S-R6W-S23

11 12 14 13 12 7 13 18 14 13 23 24 13 18 24 19

R6W R5W

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SEE SHEET 4

FILE: 310_310010a\Draw\000_Plan_07.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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NOTES

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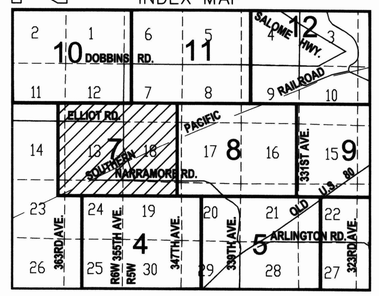
N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

CONTOUR INTERVAL = 10 – 20 FEET

SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 7 OF 38

SEE SHEET 11

SEE SHEET 12

SEE SHEET 7

SEE SHEET 9

SEE SHEET 4

SEE SHEET 5

ZONE A

ZONE A

ZONE A

ZONE A

ZONE A

T1S-R5W-S09

T1S-R5W-S22

ELLIOT RD. (ALIGNMENT)

339TH AVE. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

NARRAMORE RD.

LUKE Wash

Q_{100} = 3460 cfs

Q_{100} = 530 cfs

Q_{100} = 8390 cfs

Q_{100} = 4900 cfs

Q_{100} = 610 cfs

ERM 123

LUKE WASH FLOOD INSURANCE STUDY
COE AND VAN LOO CONSULTANTS
FCD 90 - 68
(NOT PART OF THIS STUDY)

LUKE WASH FLOOD INSURANCE STUDY
COE AND VAN LOO CONSULTANTS
FCD 90 - 68
(NOT PART OF THIS STUDY)

SEE T.E. FULLER STUDY FCD 2000C013 TASK 10

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

Hassayampa Cotton Gin

T1S-R5W-S29E

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

Registered Professional Engineer — Certificate No. 29737 — HERNAN A. ARISTIZABAL — Date Signed 06/03/03 — ARIZONA, U.S.A.

FILE: 310\310010a\Draw\000_Plan_08.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
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LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

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AUG 1 2003

NOTES

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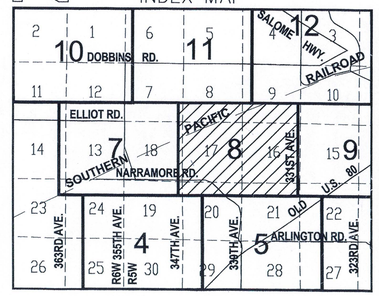
PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 8 OF 38

SEE SHEET 11

SEE SHEET 12

SEE SHEET 7

SEE SHEET 9

SEE SHEET 4

SEE SHEET 5

ZONE A

ZONE A

ZONE A

ZONE A

Q_{100} = 3460 cfs

Q_{100} = 530 cfs

Q_{100} = 8990 cfs

Q_{100} = 3000 cfs

Q_{100} = 610 cfs

ERM 123

T1S-R5W-S09

T1S-R5W-S16

T1S-R5W-S21

T1S-R5W-S22N

ELLIOT RD. (ALIGNMENT)

339TH AVE. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

NARRAMORE RD.

LUKE Wash

LUKE WASH FLOOD INSURANCE STUDY
COE AND VAN LOO CONSULTANTS
FCD 90 - 68
(NOT PART OF THIS STUDY)

LUKE WASH FLOOD INSURANCE STUDY
COE AND VAN LOO CONSULTANTS
FCD 90 - 68
(NOT PART OF THIS STUDY)

T1S-R5W-S29E

Hassayampa Cotton Gin

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USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

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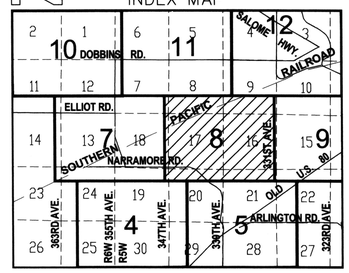

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RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 8 OF 38

ERM 123
SEE SHEET 8

SEE SHEET 12

ZONE A

T1S-R5W-S16

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
GELLA BARR ASSOCIATES
FCD 88-04
(NOT PART OF THIS STUDY)

ELLIOT RD. (ALIGNMENT)

Arlington Mesa

Arlington Mesa

331ST AVE. (ALIGNMENT)

323RD AVE. (ALIGNMENT)

319TH AVE.

OLD U.S. 80 HWY.

Limits of Study

ZONE A

T1S-R5W-S22N

T1S-R5W-S22S

ZONE A

Limits of Study

NARRAMORE RD. (ALIGNMENT)

ROAD

Q100 = 600 cfs

Q100 = 680 cfs

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SEE SHEET 8

SEE SHEET 5

SEE SHEET 6

FILE: 310\310010a\Draw\000_Plan_09.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

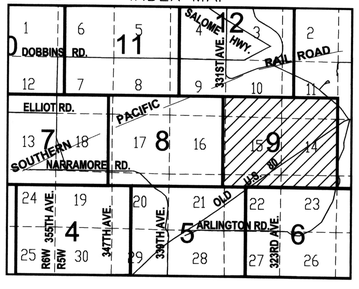
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
123	859.68	United States Geological Survey Brass Cap, +/- 100' south of Southern Pacific Railroad tracks, +/- 3 miles southwesterly of Salome Highway, stamped "M 10" (See Sheet 8)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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Fax 602.244.8947
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	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 9 OF 38

SEE SHEET 13

ERM 110
SEE SHEET 13

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

363RD AVE. (ALIGNMENT)

DOBBINS RD.

926'

9107'

Limits of Study

130

120

110

ZONE A

T1S-R5W-S22E

355TH AVE.

R6W

R5W

Q 100 = 1550 cfs

SEE SHEET 11

SEE SHEET 7

FILE: 310\310010a\Draw\Plan_10.Dwg DATE: 06/08/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

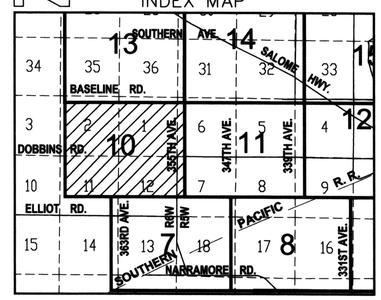
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
110	959.53	Brass Cap in Handhole @ intersection of 355th Avenue and Salome Highway (See Sheet 13)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 10 OF 38

SEE SHEET 14

ERM 107
SEE SHEET 15

SEE SHEET 10

SEE SHEET 12

SEE SHEET 7

SEE SHEET 8

ZONE A

Limits of Study

DOBBINS RD.

339TH AVE. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

T1S R5W T1S R4W

30 90 80 70 60 50 40 30 20 10

Q100 = 4900 cfs

Q100 = 7880 cfs

Q100 = 530 cfs

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

SEE J.E. FULLER STUDY
FCD2000C013 TASK 12

RECEIVED
AUG 1 2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

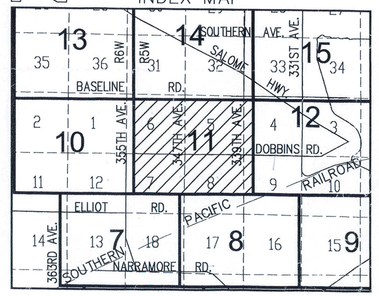
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
107	910.88	Maricopa County Highway Department Brass Cap Flush W/ Pavement @ Intersection of Baseline Rd. and Salome Hwy. (See Sheet 15)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

Registered Professional Engineer
29737
HERNAN A. ARISTIZABAL
Date Signed
ARIZONA, U.S.A.

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Phoenix, AZ 85008-3279
Tel 602.244.2566
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	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 11 OF 38

FILE: 310\310010a\Draw\Plan_11.Dwg. DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

SEE SHEET 14

ERM 107
SEE SHEET 15

SEE SHEET 10

SEE SHEET 12

SEE SHEET 7

SEE SHEET 8

ZONE A

Limits of Study

30

90

80

70

60

50

40

20

10

339TH AVE. (ALIGNMENT)

347TH AVE.

DOBBINS RD.

T1S-R5W-S22

T1S-R5W-S27

T1S-R5W-S28

T1S-R5W-S33

Q_{100} = 4900 cfs

Q_{100} = 7880 cfs

Q_{100} = 530 cfs

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Drawl\Plan_11.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

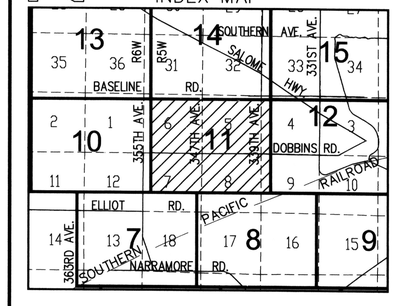
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
107	910.88	Maricopa County Highway Department Brass Cap Flush W/ Pavement @ Intersection of Baseline Rd. and Salome Hwy. (See Sheet 15)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

CONTOUR INTERVAL = 10 – 20 FEET

SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

Registered Professional Engineer
29737
HERNAN A. ARISTIZABAL
Date Signed 6/6/03
ARIZONA-U.S.A.

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2255 N. 44th Street Suite 125
Phoenix, AZ 85008-3279
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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

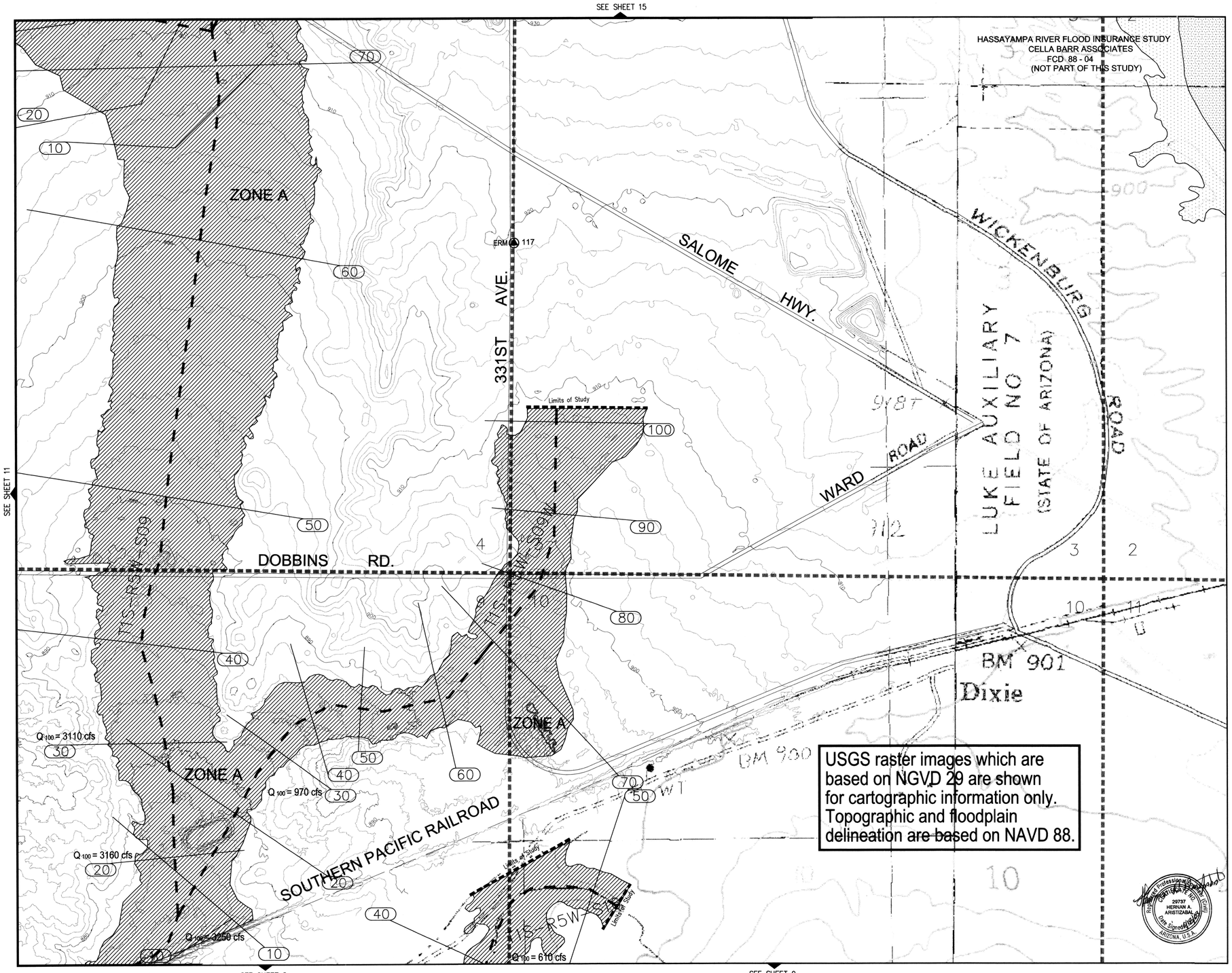
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 11 OF 38



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
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WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

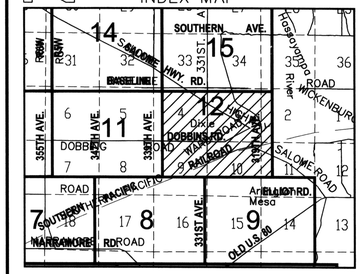
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
117	919.74	United States Geological Survey Brass Cap, +/- 650' South of Salome Hwy., +/- 3300' Southeasterly of Baseline Rd; Stamped "H322" (This Sheet)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: _____ DATE:

SHEET 12 OF 38

FILE: 310\310010e\Draw\Plan_12.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

SEE SHEET 16

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

SOUTHERN AVE.

BASELINE RD.

363RD AVE. (ALIGNMENT)

355TH AVE (ALIGNMENT)

SALOME HWY.

ERM 110

ZONE A

Q_{100} = 3620 cfs

Q_{100} = 4000 cfs

26 25 30

35 36 31

1 6

T1N

T1S

R6W R5W

SEE SHEET 14

SEE SHEET 10

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Draw\Plan_13.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

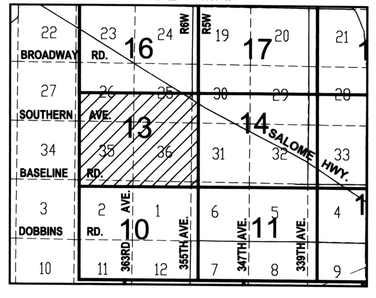
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
110	959.53	Brass Cap in Handhole @ Intersection of 355th Ave. and Salome Hwy. (This Sheet)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 13 OF 38

Registered Professional Engineer Certificate No. 29737 HERNAN A. ARISTIZABAL Date Signed 6/3/03 ARIZONA, U.S.A.

SEE SHEET 17

SEE SHEET 13

SEE SHEET 15

SEE SHEET 11

SALOME

SOUTHERN AVE. (ALIGNMENT)

339TH AVE.

347TH AVE. (ALIGNMENT)

BASELINE RD. (ALIGNMENT)

HWY.

T1N-R5W-S33N

T1S-R5W-S4S

T1S-R5W-S5S

T1N-R5W-S32N

T1N-R5W-S31N

T1S-R5W-S6S

ZONE A

Limits of Study

ERM 116

931.52' NAVD 88

931.81' NAVD 88

Q_{100} = 7650 cfs

Q_{100} = 680 cfs

Q_{100} = 4900 cfs

Q_{100} = 7620 cfs

Q_{100} = 760 cfs

WORKING MAPS

THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

Registered Professional Engineer
20737
HERNAN A. ARISTIZABAL
Date Signed
ARIZONA, U.S.A.

FILE: 310\310016\Draw\Plan_14.Dwg. DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
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EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
116	957.82	United States Geological Survey Brass Cap,+/- 200' North of Salome Hwy., +/- 1.45 Miles Northwesterly of Baseline Rd. Stamped "JT3" (This Sheet)

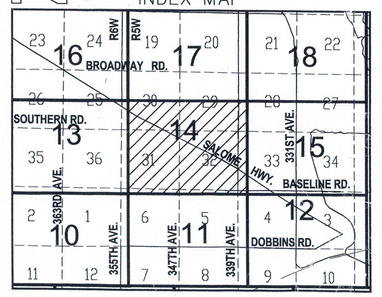
RECEIVED AUG 1 2003

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

CONTOUR INTERVAL = 10 – 20 FEET

SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 14 OF 38

SEE SHEET 17

SEE SHEET 13

SEE SHEET 15

SEE SHEET 11

SALOME

SOUTHERN AVE. (ALIGNMENT)

BASELINE RD. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

339TH AVE.

HWY.

ZONE A

ZONE A

ZONE A

ZONE A

Limits of Study

Limits of Study

Limits of Study

Limits of Study

ERM 116

Q_{100} = 7650 cfs

Q_{100} = 680 cfs

Q_{100} = 4900 cfs

Q_{100} = 7620 cfs

Q_{100} = 760 cfs

T1N-R5W-S33N

T1S-R5W-S4N

T1S-R5W-S5N

T1N-R5W-S32N

T1S-R5W-S31N

T1S-R5W-S6N

T1S-R5W-S32N

T1N-R5W-S29N

T1N-R5W-S30N

T1N

T1S

30 130 20 120 10 30 29 28 50 40 100 90 80 70 60 50 40 110 100 32 33 31 32 6 5 5 4

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
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EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

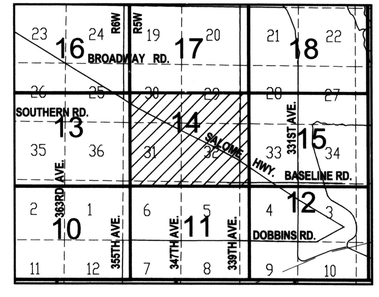
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
116	957.82	United States Geological Survey Brass Cap,+/- 200' North of Salome Hwy., +/- 1.45 Miles Northwesterly of Baseline Rd. Stamped "J13" (This Sheet)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

SUBMITTED BY: DATE:

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 14 OF 38

FILE: 310\310010a\Draw\Plan_14.Dwg. DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

SEE SHEET 18

SEE SHEET 14

SEE SHEET 12

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 88-04
(NOT PART OF THIS STUDY)

ZONE A

T1N-R5W-S28W

T1N-R5W-S27E

T1N-R5W-S33E

T1N-R5W-S34W

T1S-R5W-S3E

T1S-R5W-S2E

331ST (ALIGNMENT)

SOUTHERN AVE.

(ALIGNMENT)

HASSAYAMPA RIVER

BASELINE RD.

Limits of Study

Q_{100} = 1070 cfs

Q_{100} = 1220 cfs

Q_{100} = 1220 cfs

Q_{100} = 1930 cfs

Q_{100} = 760 cfs

Q_{100} = 550 cfs

Q_{100} = 2120 cfs

SALOME HWY.

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Draw\Plan_15.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS ZONE A
- CORPORATE LIMITS — Corporate Limits —
- LIMITS OF STUDY — Limits of Study —
- SECTION LINES
- SECTION CORNER 29 28 / 32 33
- WASH I.D. LABEL T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

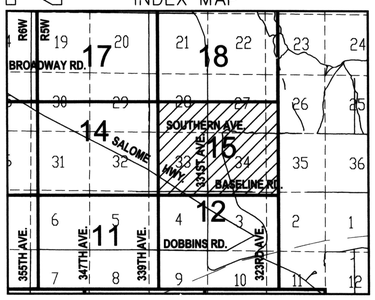
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
107	910.88	Maricopa County Highway Department Brass Cap Flush W/ Pavement @ Intersection of Baseline Rd. and Salome Hwy. (This Sheet)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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Phoenix, AZ 85008-3279
Tel 602.244.2566
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E-mail www.entellus.com

	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SEE SHEET 19

SEE SHEET 20

LOWER BUCKEYE RD.

T1S-R6W-S13
(Phillips Wash)

Q_{100} = 2990 cfs

50
S13

ZONE A

363RD AVE. (ALIGNMENT)

Q_{100} = 3160 cfs

85

T1S-R5W-S17

355TH AVE.

70

SEE SHEET 17

SALOME HIGHWAY

BROADWAY RD. (ALIGNMENT)

ERM 111

ZONE A

Q_{100} = 3620 cfs

80

Q_{100} = 4900 cfs

R6W

R5W

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SEE SHEET 13

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Draw\Plan_16.Dwg. DATE: 05/21/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

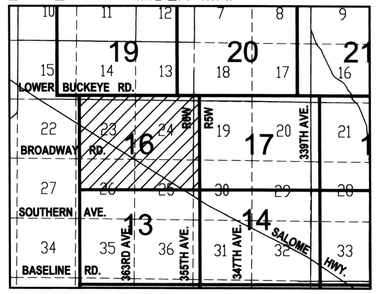
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
111	981.39	Brass Cap in Handhole in Center of Salome Hwy. +/- 2.35 Miles Southeasterly of Wintersburg Rd., +/- 5.3' Northwesterly of Center of Dirt Road. (This Sheet).

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

Registered Professional Land Surveyor
CERTIFICATE NO.
29737
HERNAN A. ARIBITZABAL
Date Signed
ARIZONA, U.S.A.

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2255 N. 44th Street Suite 125
Phoenix, AZ 85008.3279
Tel 602.244.2566
Fax 602.244.8947
E-mail www.entellus.com

	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 16 OF 38

ERM 111
SEE SHEET 16

SEE SHEET 20

SEE SHEET 21

Q_{100} = 4950 cfs

Q_{100} = 2820 cfs

Q_{100} = 3520 cfs

Q_{100} = 3550 cfs

Q_{100} = 1770 cfs

Q_{100} = 6930 cfs

Q_{100} = 975 cfs

Q_{100} = 7880 cfs

Q_{100} = 1220 cfs

LOWER BUCKEYE RD.

BROADWAY RD. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

339TH AVE.

ZONE A

988.02 NAVD88

997.91 NAVD88

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

Limits of Study

SEE SHEET 16

SEE SHEET 18

SEE SHEET 14

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\300100\Draw\Plan_17.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
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SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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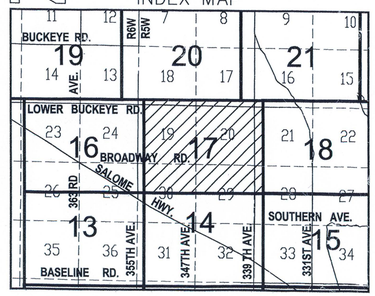
RECEIVED
AUG 1 2003

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

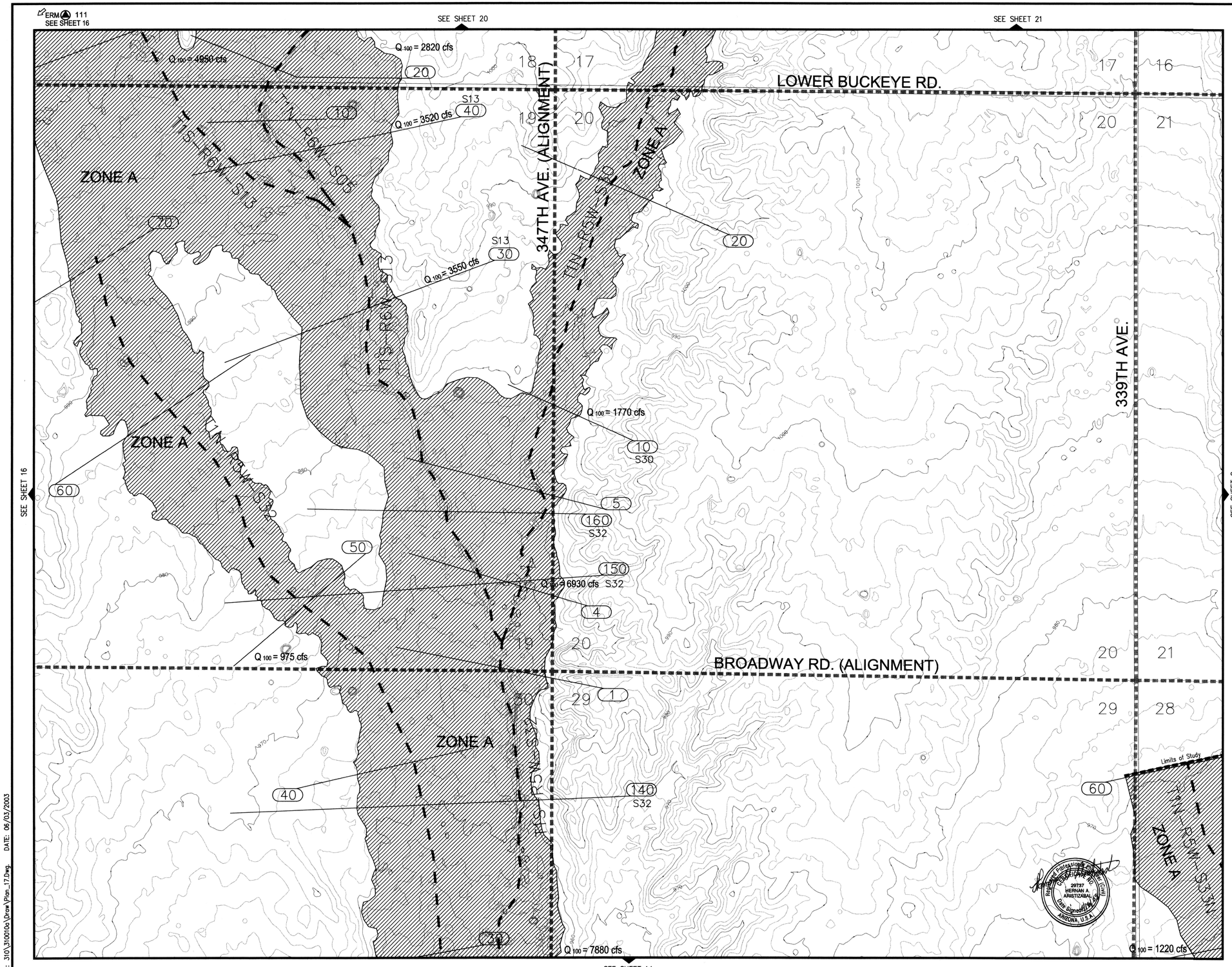
RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 17 OF 38

Registered Professional Engineer (Civil) 29737 HERNAN A. ARISTIZABAL Date Signed 06/30/03 ARIZONA, U.S.A.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
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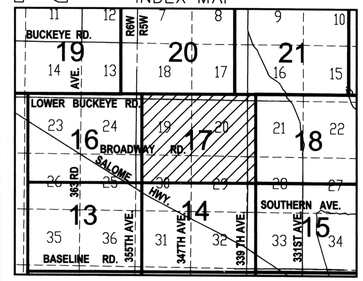
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 17 OF 38

Professional Engineer Certificate No. 29737 HERNAN A. KRISTIZABAL Date Signed 11/4/03 ARIZONA, U.S.A.

FILE: 310_310010a\Draw\Plan_17.Dwg. DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

ERM 111
SEE SHEET 16

SEE SHEET 21

LOWER BUCKEYE RD.

ZONE A

HASSAYAMPA RIVER

Q100 = 670 cfs

Limits of Study

60

80

70

50

40

35

30

Q100 = 640 cfs

Q100 = 710 cfs

Q100 = 1220 cfs

Q100 = 1070 cfs

T1N-R5W-S28

T1S-R5W-S22

Gravel Pit

BROADWAY RD. (ALIGNMENT)

331ST AVE.

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 88 - 04
(NOT PART OF THIS STUDY)

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SEE SHEET 17

SEE SHEET 15

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Drawl000_Plan_18.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
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SECTION LINES	
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WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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NOTES

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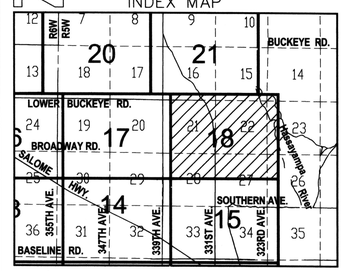
INDEX MAP



400' 0' 400' 800'

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PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 18 OF 38

SEE SHEET 22

ERM 111
SEE SHEET 16

Q_{100} = 2590 cfs

371ST AVE.

363RD AVE.

ZONE A

150 140 130 120 110 100 90

S13

T1S-R6W-S13
(Phillips Wash)

ZONE A

BUCKEYE RD.

10 11 12
15 14 13 18

T1S-R5W-S22N

ZONE A

Q_{100} = 3160 cfs

SEE SHEET 20

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

SEE SHEET 16

FILE: 310\310010a\Draw\000_Plan_19.Dwg DATE: 05/14/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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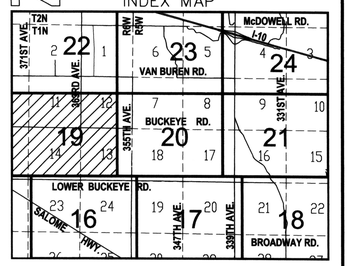
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
111	981.39	Brass Cap in Hanhole in Center of Salome Hwy. Approximately 2.35 miles southeasterly of Wintersburg Rd (See sheet 16.)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

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PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

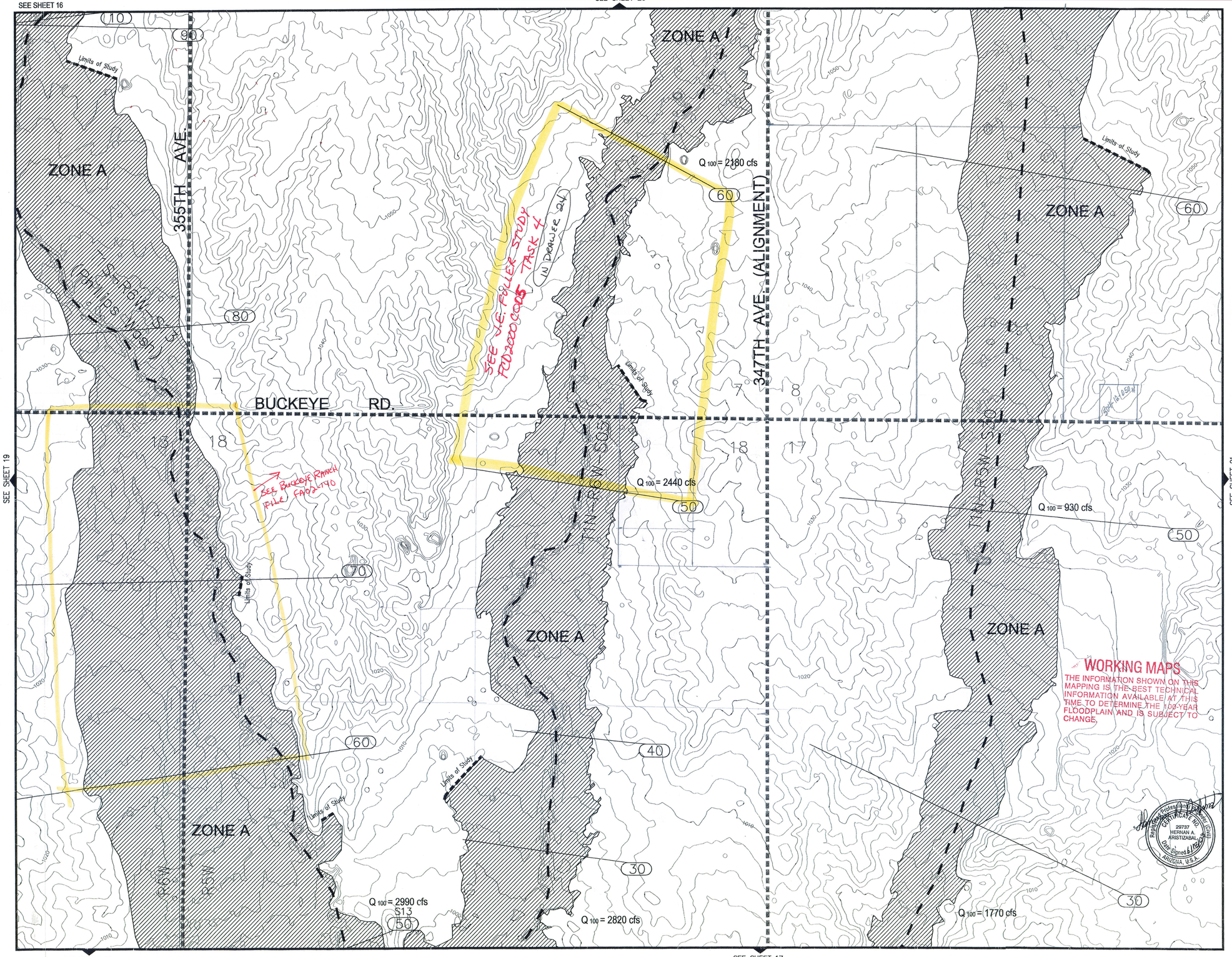
RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 19 OF 38



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
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EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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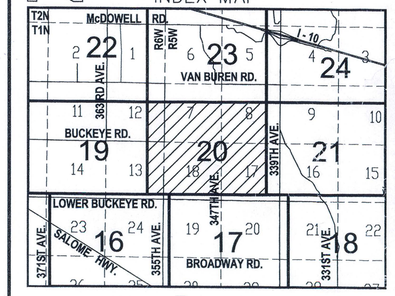
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

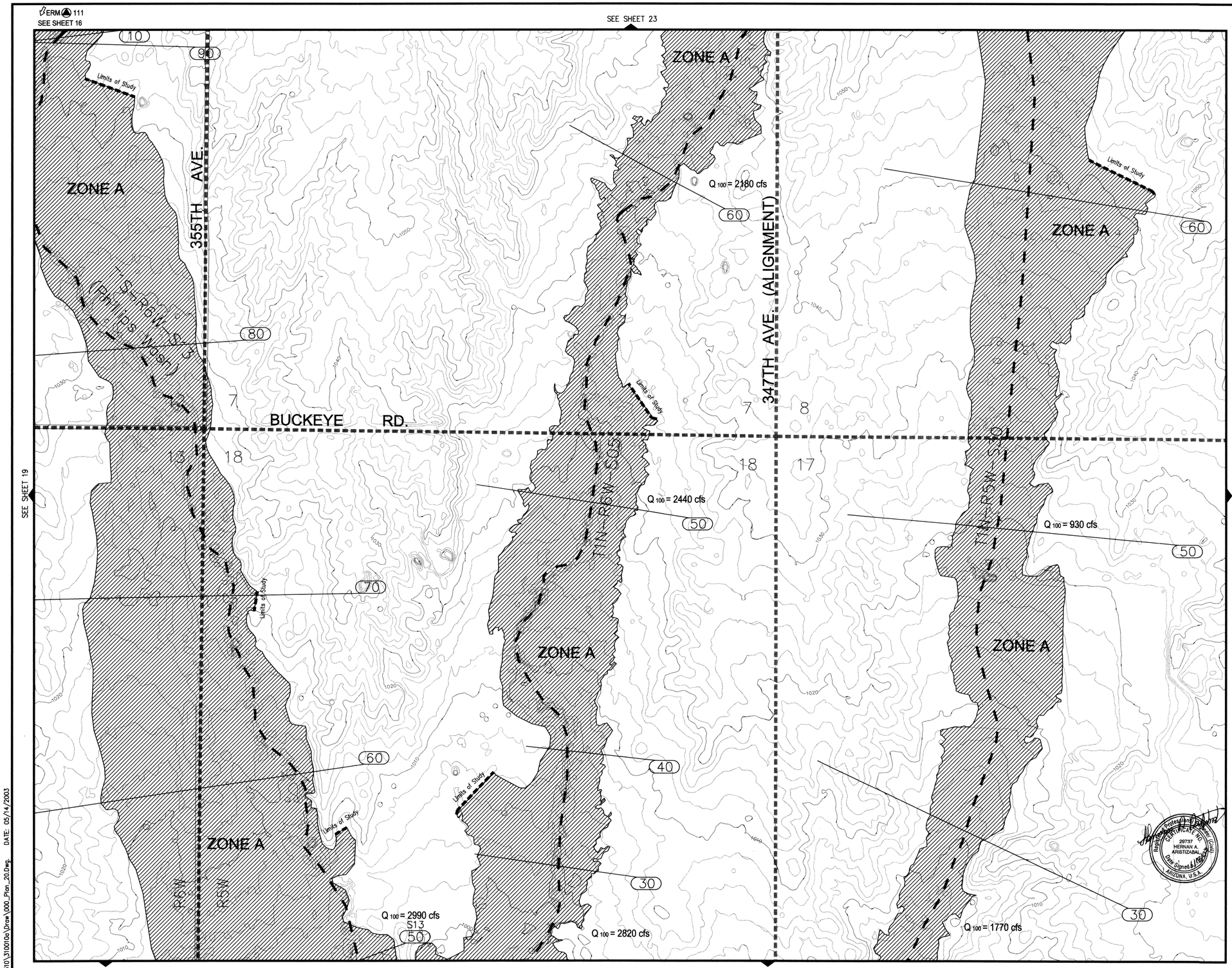
APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 20 OF 38

FILE: 310\310010o\Draw\000_Plan_20.Dwg. DATE: 05/14/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
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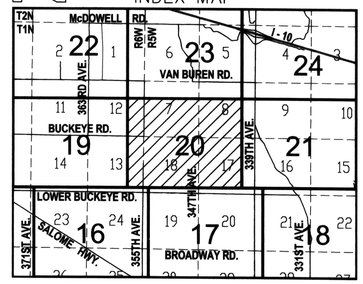
N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 - 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 20 OF 38

FILE: 310\310010a\Draw\000_Plan_20.Dwg, DATE: 05/14/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

ERM 111
SEE SHEET 16

SEE SHEET 24

SEE SHEET 20

SEE SHEET 8

SEE SHEET 17

SEE SHEET 18

339TH AVE.

331ST AVE.

BUCKEYE RD. (ALIGNMENT)

Limits of Study

ZONE A

Hassayampa River

Q100 = 780 cfs

Q100 = 670 cfs

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 88 - 04
(NOT PART OF THIS STUDY)

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS: ZONE A
- CORPORATE LIMITS: Corporate Limits
- LIMITS OF STUDY: Limits of Study
- SECTION LINES
- SECTION CORNER: 29 28 / 32 33
- WASH I.D. LABEL: T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT: Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
111	981.39	Brass Cap in Hanhole in Center of Salome Hwy. Approximately 2.35 miles Southwesterly of Wintersburg Rd. (See sheet 16.)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP

400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS CHK.	HAA	06/2003

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 21 OF 38

FILE: 310\310010a\Drw\000_Plan_21.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

SEE SHEET 25

ERM 54
SEE SHEET 26

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

ZONE A

Limits of Study

McDOWELL RD.

VAN BUREN RD.

BUCKEYE RD.

371ST AVE.

363RD AVE.

T1N-R6W-S12

T1N-R6W-S13

T1N-R5W-S7

T1N-R5W-S18

Q100 = 2100 cfs

Q100 = 1090 cfs

Q100 = 660 cfs

Q100 = 2590 cfs

SEE SHEET 23

SEE SHEET 19

WORKING MAPS
THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

Detail Study In Library Mapping in Drawer 24

SEE J.E. FULLER STUDY FEB2000C013 TASK 11

Well

Well

1050

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
54	1094.57	Fd Brass Cap in top of concrete headwall on southside of Intrstate 10, 250' west of 355th Ave. alignment. Stamped "5345+62.25 ELEV 1092.81 Wash-4" (See sheet 26.)

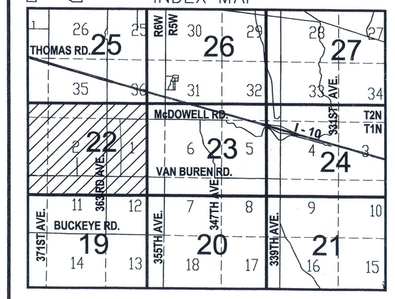
RECEIVED
AUG 1 2003

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



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SCALE: 1" = 400'
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PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 22 OF 38

FILE: 310\310010o\Draw\000_Plan_22.dwg DATE: 05/14/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

SEE SHEET 25

ERM 54
SEE SHEET 26

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

ZONE A

Limits of Study

T1S-R5W-S22

T1N-R6W-S1

T1N-R6W-S12

T2N

T1N

McDOWELL RD.

VAN BUREN RD.

BUCKEYE RD.

THOMAS RD.

371ST AVE.

363RD AVE.

355TH AVE.

347TH AVE.

339TH AVE.

I-10

220 210 200 190 180 170 160 150 30 20 10 40 50 60 100

Q_{100} = 2100 cfs

Q_{100} = 1090 cfs

Q_{100} = 660 cfs

Q_{100} = 2590 cfs

SEE SHEET 23

SEE SHEET 19

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310100\Draw\000_Plan_22.Dwg DATE: 05/14/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
54	1094.57	Fd Brass Cap in top of concrete headwall on southside of Intrstate 10, 250' west of 355th Ave. alignment. Stamped "S345+62.25 ELEV 1092.81 Wash-4" (See sheet 26.)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP

400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS CHK.	HAA	06/2003

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 22 OF 38

SEE SHEET 26

SEE SHEET 22

SEE SHEET 24

SEE SHEET 20

INTERSTATE 10

McDOWELL RD.

VAN BUREN RD.

355TH AVE.

347TH AVE. (ALIGNMENT)

T1S-R6W-S22 (Phillips Wash)

T1N-R6W-S36

T1N-R6W-S31

T1N-R6W-S06

T1N-R5W-S05 (Dickey Wash)

T2N-R5W-S31

T1N-R5W-S10

ZONE A

Limits of Study

Q100 = 2780 cfs

Q100 = 2350 cfs

Q100 = 1750 cfs

Q100 = 660 cfs

Q100 = 2910 cfs

Q100 = 2990 cfs

Q100 = 2180 cfs

Q100 = 930 cfs

ERM 63

ERM 62

ERM 59

ERM 61

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WORKING MAPS

THE INFORMATION SHOWN ON THIS MAPPING IS THE BEST TECHNICAL INFORMATION AVAILABLE AT THIS TIME. TO DETERMINE THE 100-YEAR FLOODPLAIN AND IS SUBJECT TO CHANGE.

SEE JE FULLER STUDY FCD2000C013 TASK 11

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS ZONE A
- CORPORATE LIMITS — Corporate Limits —
- LIMITS OF STUDY — Limits of Study —
- SECTION LINES
- SECTION CORNER 29 28 / 32 33
- WASH I.D. LABEL T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT Q_{100} = 850 cfs

RECEIVED AUG 1 2003

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

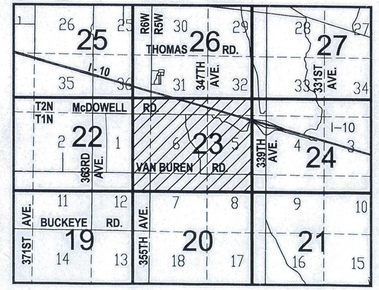
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
59	1077.71	Fd Brass Cap in top of concrete headwall on south side of Interstate 10, 5300 east of 355th Ave., Stamped "ELEV 1076.02 Wash-2"
61	1076.83	Fd Brass Cap in top of concrete headwall on north side of Interstate 10, 5600 east of 355th Ave., Stamped "ELEV 1075.17 Wash-1"
62	1078.86	Fd Brass Cap in top of concrete headwall on south side of Interstate 10, 5300 east of 355th Ave. alignment
63	1078.85	Fd Brass Cap in top of concrete headwall on north side of Interstate 10, 5200 east of 355th Ave. alignment

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

CONTOUR INTERVAL = 10 - 20 FEET

SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 23 OF 38

Registered Professional Engineer — 29737 HERNAN A. ARISTIZABAL — Date Signed — ARIZONA, U.S.A.

FILE: 310\310010a\Draw\000_Plan_23.Dwg. DATE: 05/14/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999

SEE SHEET 26

SEE SHEET 22

SEE SHEET 24

SEE SHEET 20

INTERSTATE 10

McDOWELL RD.

VAN BUREN RD.

ZONE A

T2N-R6W-S36

T1S-R6W-S13 (Phillips Wash)

T1N-R6W-S12

T1N-R6W-S5

T1N-R5W-S7

T1N-R5W-S18

T1N-R5W-S30

347TH AVE. (ALIGNMENT)

355TH AVE

Limits of Study

Q_{100} = 2780 cfs

Q_{100} = 2350 cfs

Q_{100} = 1750 cfs

Q_{100} = 660 cfs

Q_{100} = 2910 cfs

Q_{100} = 2990 cfs

Q_{100} = 2180 cfs

Q_{100} = 930 cfs

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\310010a\Draw\000_Plan_23.Dwg DATE: 05/14/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS: ZONE A
- CORPORATE LIMITS: Corporate Limits
- LIMITS OF STUDY: Limits of Study
- SECTION LINES
- SECTION CORNER: 29 28 / 32 33
- WASH I.D. LABEL: T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
59	1077.71	Fd Brass Cap in top of concrete headwall on south side of Interstate 10, 5300 east of 355th Ave., Stamped "ELEV 1078.02 Wash-2"
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62	1078.86	Fd Brass Cap in top of concrete headwall on south side of Interstate 10, 5300 east of 355th Ave. alignment
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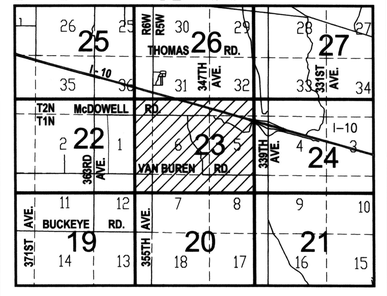
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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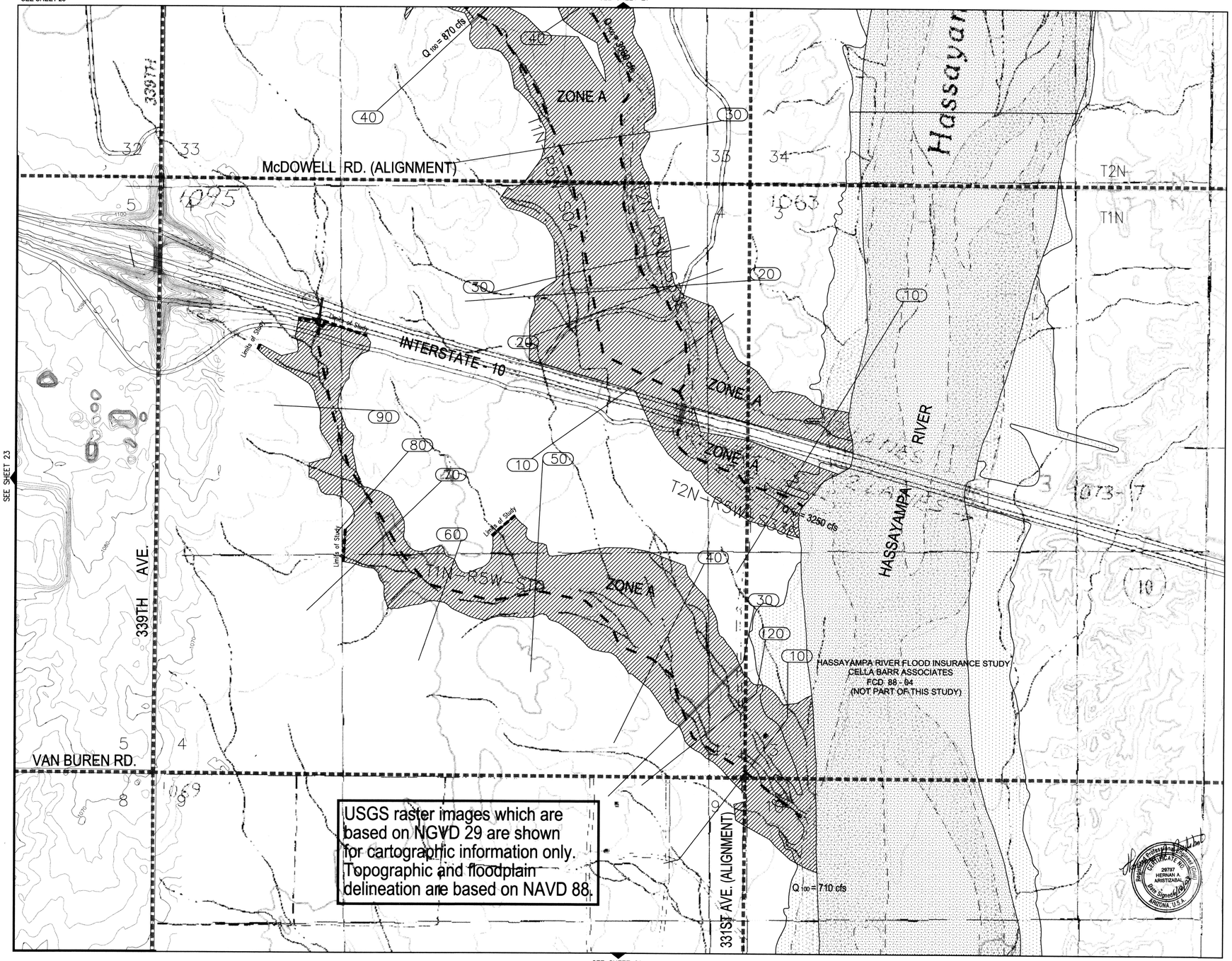
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 23 OF 38



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
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WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

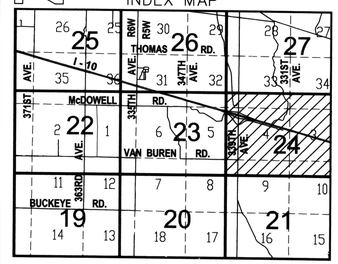
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
61	1076.83	Fd Brass Cap in top of concrete headwall on southside of Interstate 10, 5300' east of 355th Ave. Stamped "ELEV 1076.02 Wash-2" (See sheet 23.)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



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PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

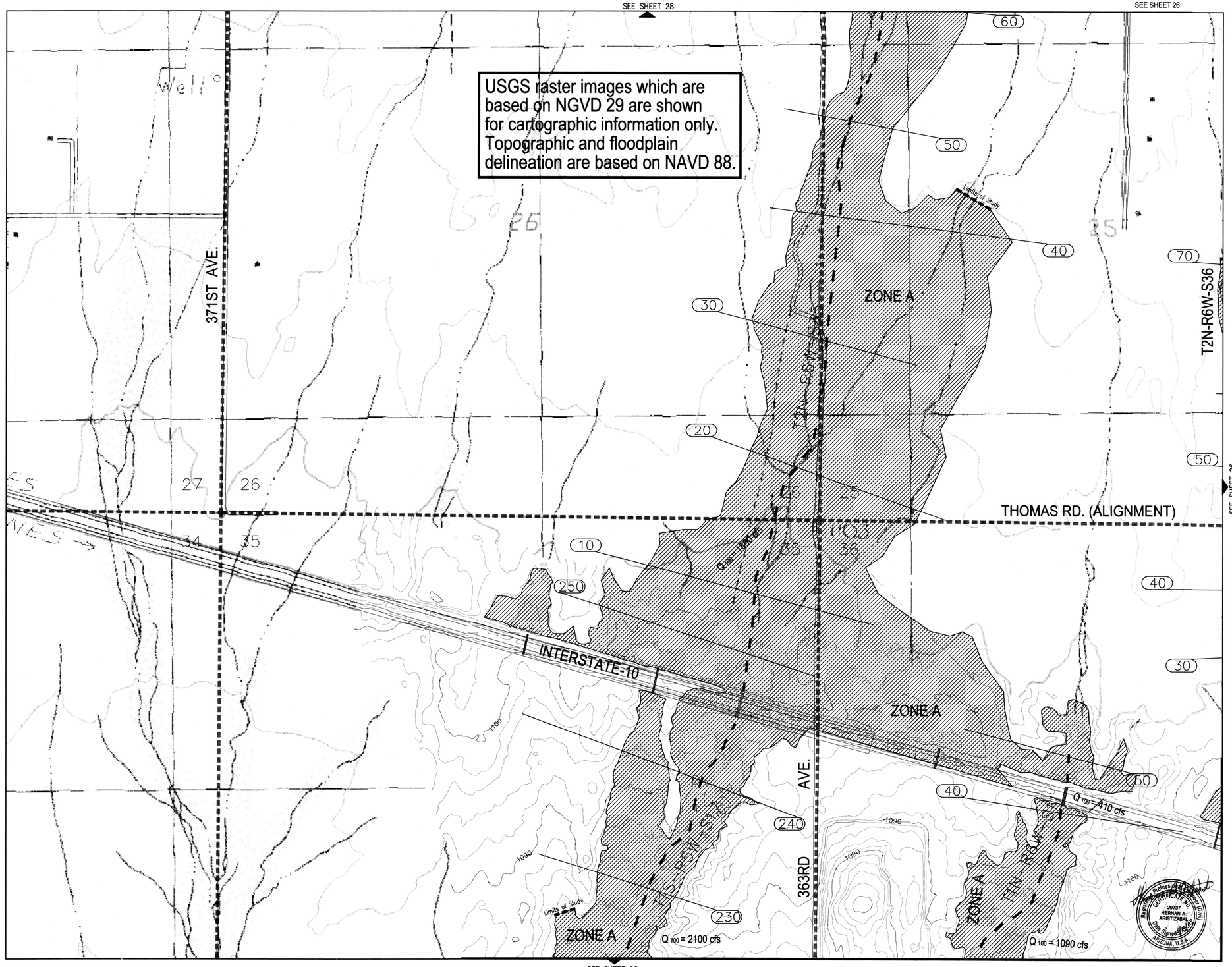
CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: _____ DATE:

SHEET 24 OF 38

FILE: 310\310010a\Draw\000_Plan_24.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
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WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

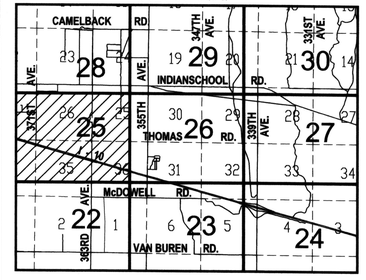
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MACDOT Brass Cap in handhole in center of 355th Avenue 1 mile north of Interstate-10 (See sheet 26.)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



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PLANS CHK.	HAA	06/2003

SUBMITTED BY: _____ DATE: _____

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

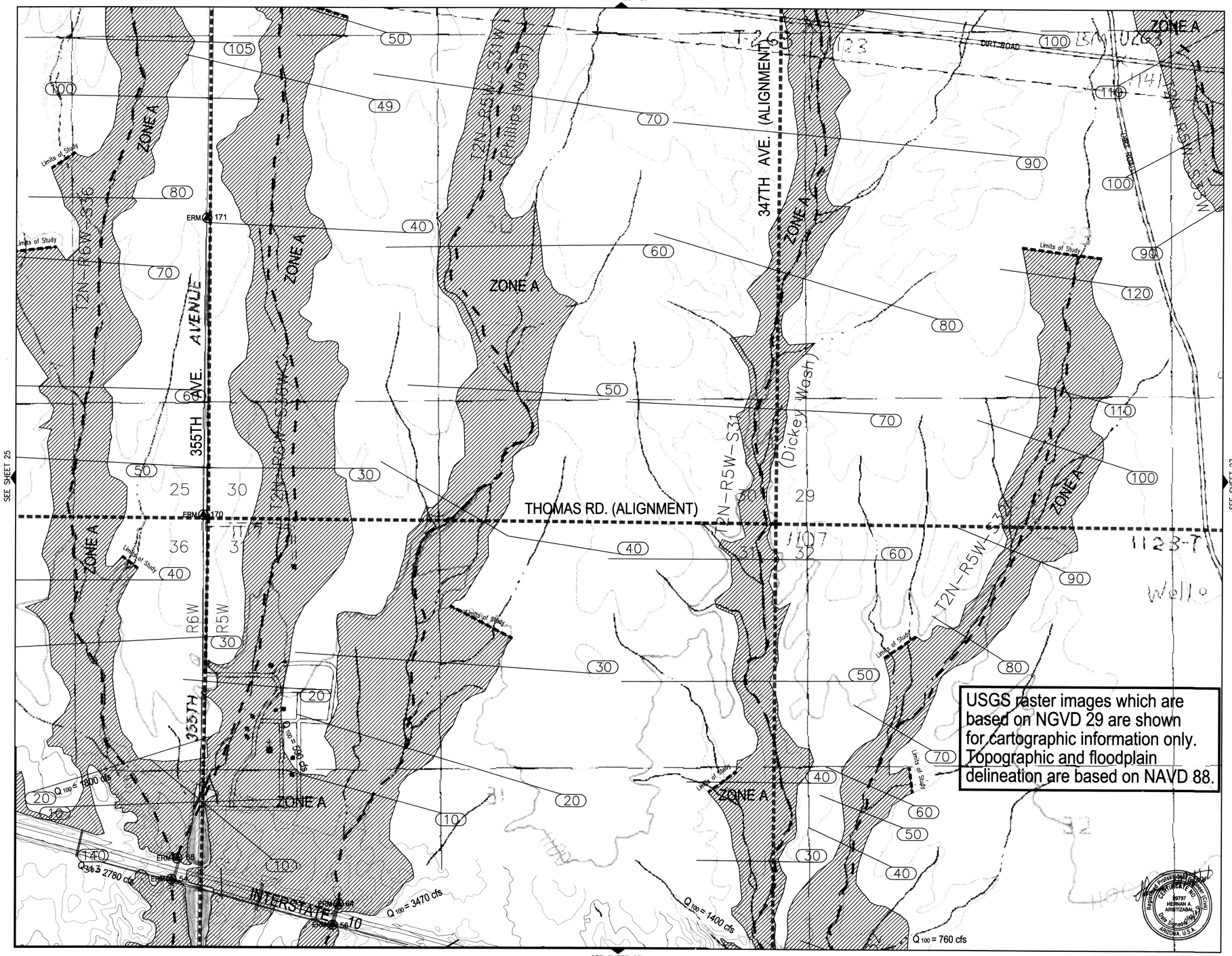
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 25 OF 38

Registered Professional Engineer CERTIFICATE NO. 29737 HERNAN A. ARISTIZABAL Date Signed 6/6/03 ARIZONA, U.S.A.

FILE: 310\310010s\Draw\000_Plan_25.Dwg, DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING - EAGLE SCAN NOVEMBER 1999



USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING SUPPLEMENTED W/ LIDAR MAPPING – EAGLE SCAN NOVEMBER 1999

FILE: 310\3100100\Drawn\000_Plan_26.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

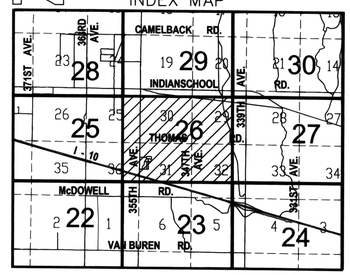
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
54	1094.57	Fd Brass Cap in top of concrete box culvert headwall, 200 ft. west of 355th Ave. alignment stamped "S345+62.25 ELEV 1092.21 Wash--4"
56	1092.85	Fd Brass Cp in top of concrete box culvert 1200 ft. east of 355th Ave. alignment, stamped "S360+50 ELEV 1091.16 Wash--3"
64	1093.53	Fd Brass Cap in top of concrete box culvert headwall 1250 ft west of 355th Ave. alignment
65	1095.57	Fd Brass Cap in top of concrete box culvert headwall, 200 ft west of355th Ave. alignment
171	1125.42	Maricopa County Department of Transportation Brass Cap in Handhole in center of 355th Avenue, 1 mile north of Interstate 10

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
CONTOUR INTERVAL = 10 – 20 FEET
SUPPLEMENTAL LIDAR MAPPING CI. = 2 FEET

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Phoenix, AZ 85008-3279
Tel 602.244.2566
Fax 602.244.8947
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	BY	DATE
DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

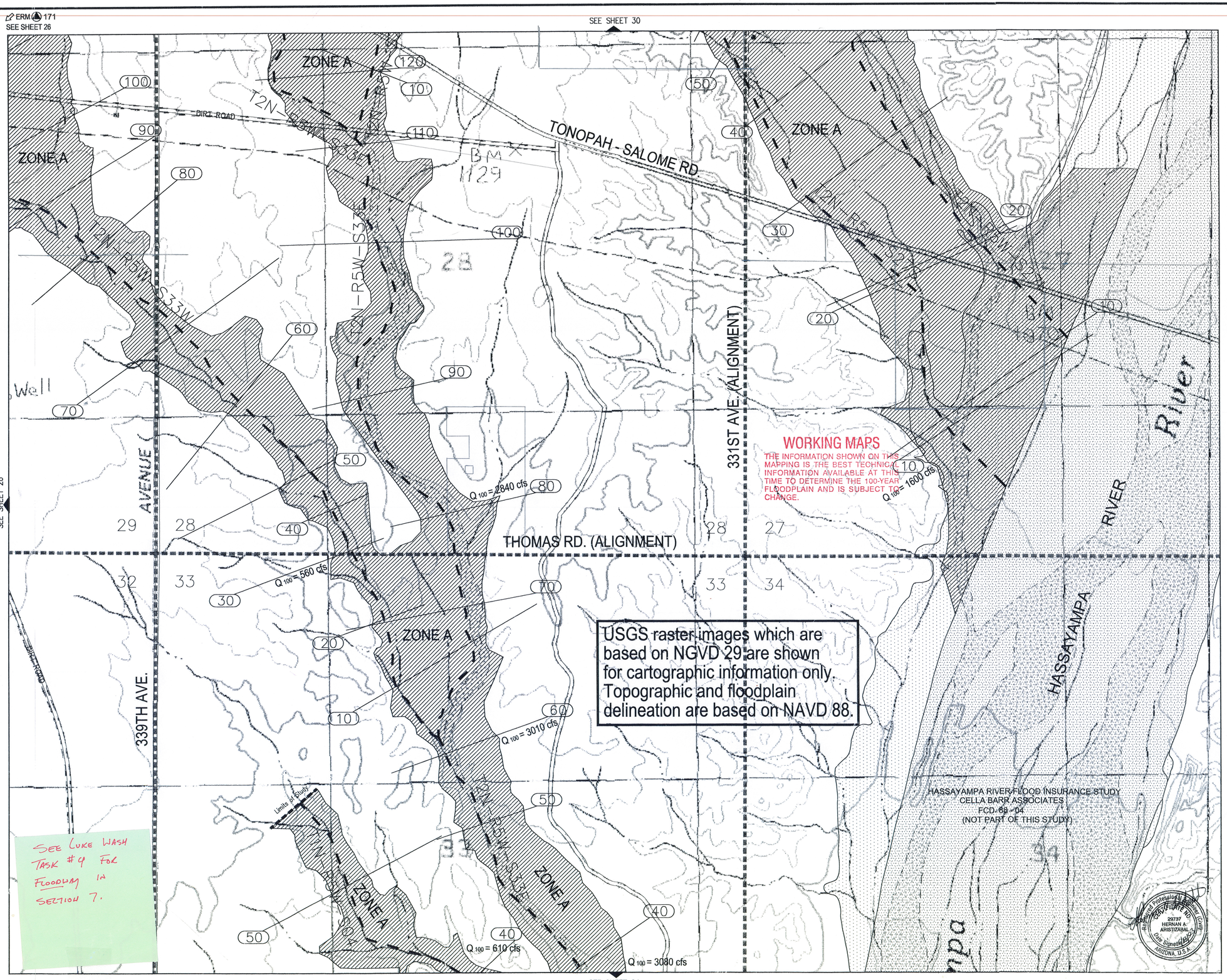
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 26 OF 38



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK — ERM 6
- ZONE DESIGNATIONS — ZONE A
- CORPORATE LIMITS — Corporate Limits
- LIMITS OF STUDY — Limits of Study
- SECTION LINES
- SECTION CORNER — 29 / 28 / 32 / 33
- WASH I.D. LABEL — T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT — Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	Maricopa County Department of Transportation Brass Cap in Handhole in center of 355th Ave., 1 Mile North of Interstate 10 (See sheet 26)

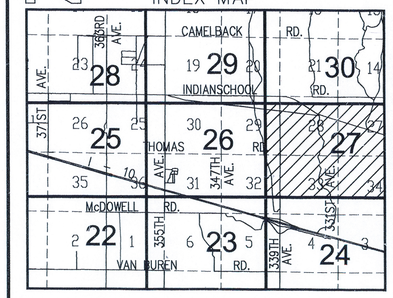
RECEIVED AUG 1 2003

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

PRELIMINARY

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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DESIGN	HAA/AMG	06/2003
DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: _____ DATE: _____

SHEET 27 OF 38

Registered Professional Engineer (Civil) 29737 HERNAN A. ARISTIZABAL Date Signed 6/30/03 ARIZONA, U.S.A.

FILE: 310\310010a\Draw\000_Plan_27.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

ERM 171
SEE SHEET 26

SEE SHEET 30

ZONE A

DIRT ROAD

T2N-R5W-S33W

TONOPAH - SALOME RD

BM 1129

T2N-R5W-S32

T2N-R5W-S34

T2N-R5W-S35

T2N-R5W-S36

Well

AVENUE

331ST AVE. (ALIGNMENT)

RIVER

Q100 = 2840 cfs

Q100 = 1600 cfs

THOMAS RD. (ALIGNMENT)

339TH AVE.

RAILROAD

Q100 = 560 cfs

Q100 = 3010 cfs

Limits of Study

T1N-R5W-S4

T1N-R5W-S3

Q100 = 610 cfs

Q100 = 3080 cfs

HASSAYAMPA

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 89-04
(NOT PART OF THIS STUDY)

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

SEE SHEET 24

SEE SHEET 26

FILE: 310\310010a\Draw\000_Plan_27.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
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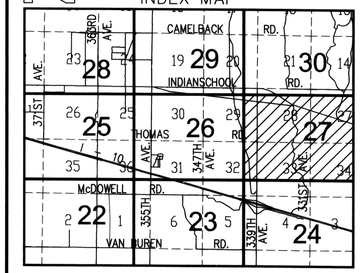
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'
USGS CONTOUR INTERVAL = 10 - 20 FEET

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E-mail www.entellus.com

	BY	DATE
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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 27 OF 38

Registered Professional Engineer (Civil)
29737
HERNAN A. ARISTIZABAL
Date Signed 6/6/03
ARIZONA, U.S.A.

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SEE SHEET 31

ERM 171
SEE SHEET 26

Limits of Study

CAMELBACK RD.

1153

1154

371ST AVE. (ALIGNMENT)

367TH AVE.

363RD AVE.

359TH AVE.

INDIAN SCHOOL RD.

Wells

Well

Water Tank

ZONE A

140

130

120

110

100

90

80

70

60

DIKE ROAD

T2N-R6W

BM 1135

Q 100 = 990 cfs

Q 100 = 1860 cfs

SEE SHEET 29

SEE SHEET 25

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FILE: 310\310106\Draw\000_Plan_28.Dwg DATE:06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

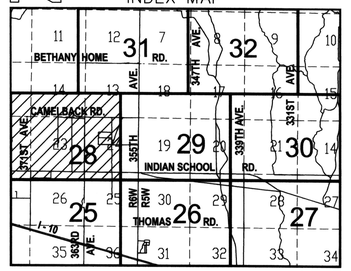
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MCDOT Brass Cap in Handhole in center of 355th Ave., approx 1 mile north of I-10. (See sheet 26)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SUBMITTED BY: DATE:

SHEET 28 OF 38

SEE SHEET 31

SEE SHEET 32

ERM 171
SEE SHEET 26

SEE SHEET 28

SEE SHEET 30

SEE SHEET 26

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

CAMELBACK RD. (ALIGNMENT)

INDIAN SCHOOL RD.

355TH AVE.

347TH AVE. (ALIGNMENT)

DIRT ROAD

R6W

R5W

ZONE A

T2N-R6W-S36

T2N-R5W-S19

T2N-R5W-S31W (Phillips Wash)

T2N-R5W-S31 (Dickey Wash)

Limits of Study

Q100 = 1430 cfs

Q100 = 1550 cfs

Q100 = 2490 cfs

Q100 = 3240 cfs

Q100 = 1300 cfs

Q100 = 1400 cfs

Q100 = 770 cfs

Q100 = 560 cfs

1170

1175

1176

1174

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

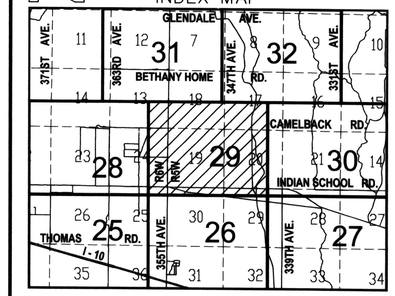
I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MCDOT Brass Cap in Handhole in center of 355th Ave., approx. 1 mile north of I-10. (See sheet 26)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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E-mail www.entellus.com

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PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003
SUBMITTED BY:		DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 29 OF 38

Registered Professional Engineer (Civil) CERTIFICATE NO. 29737 HERNAN A. ARISTIZABAL Date Signed 10/8/03 ARIZONA, U.S.A.

FILE: 310_310010\v1\Draw\000_Plan_29.Dwg. DATE:06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

ERM 171
SEE SHEET 26

SEE SHEET 32

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

CAMELBACK RD. (ALIGNMENT)

INDIAN SCHOOL RD.

331ST AVE. (ALIGNMENT)

339TH AVE.

T2N-R5W-S35

T1N-R5W-S1

T1N-R5W-S2

T1N-R5W-S11

T1N-R5W-S12

T2N-R5W-S34

T2N-R5W-S27

ZONE A

Limits of Study

DIRT ROAD

HASSAYAMPA RIVER FLOOD INSURANCE STUDY
CELLA BARR ASSOCIATES
FCD 88 - 04
(NOT PART OF THIS STUDY)

HASSAYAMPA RIVER

Q100 = 2310 cfs
Q100 = 530 cfs
Q100 = 540 cfs
Q100 = 2530 cfs
Q100 = 2840 cfs
Q100 = 890 cfs
Q100 = 640 cfs
Q100 = 1130 cfs
Q100 = 1600 cfs

SEE SHEET 29

SEE SHEET 27

FILE: 310\310010a\Drwg\000_Plan_30.Dwg DATE:06/17/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MCDOT Brass Cap in Handhole in center of 355th Ave., approx 1 mile north of I-10. (See sheet 26)

NOTES

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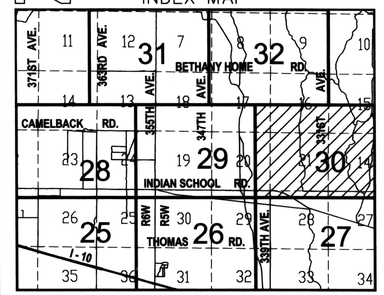
INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 30 OF 38

SEE SHEET 33

ERM 171
SEE SHEET 26

1228

1232

GLENDALE AVE. (ALIGNMENT)

11 12 7

363RD AVE. (ALIGNMENT)

East Well

280

Q 100 = 1650 cfs

230

ZONE A

T2N-R5W-S22

220

Q 100 = 980 cfs

270

ZONE A

210

12 7

Q 100 = 2000 cfs

260

200

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

SEE SHEET 32

250

T2N-R6W-S36

South Tank

1193

BETHANY HOME RD.

1198

12 7

14 13 13 18

240

190

355TH AVE.

230

Limits of Study

ZONE A

T2N-R6W-S35

160

70

ZONE A

T2N-R5W-S19

180

220

Q 100 = 1240 cfs

180

Q 100 = 990 cfs

150

160

R6W R5W

210

Q 100 = 1430 cfs

Q 100 = 1550 cfs

60

ZONE A

SEE SHEET 28

SEE SHEET 29

FILE: 310\310010a\Draw\000_Plan_31.Dwg DATE: 06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
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ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

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NOTES

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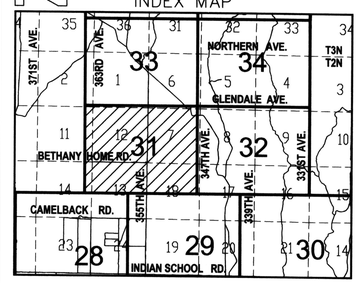
N

INDEX MAP



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SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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	BY	DATE
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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

SUBMITTED BY: DATE:

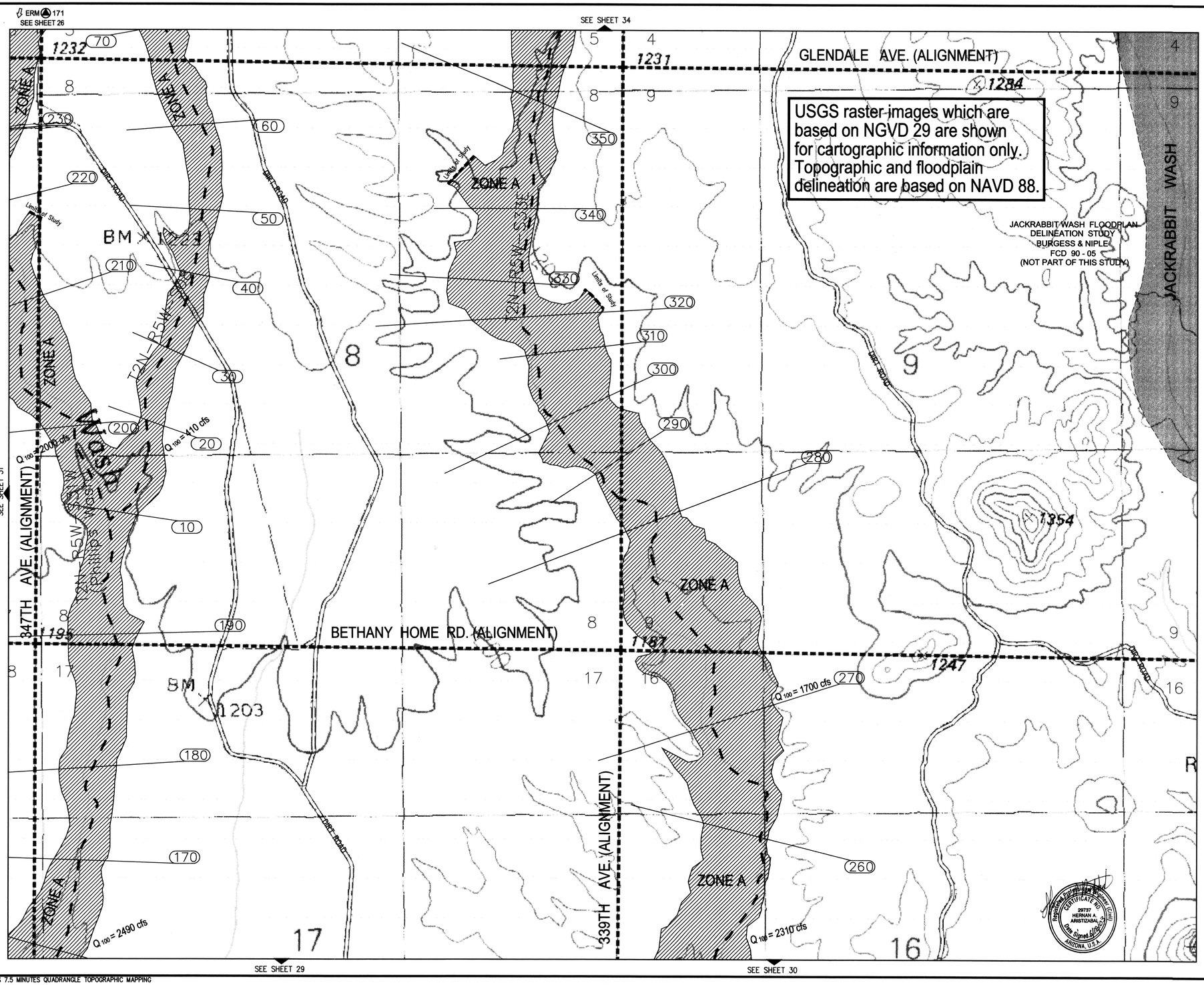
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 31 OF 38



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FILE: 310_310010a\Draw\000_Plan_32.Dwg DATE:06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
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SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

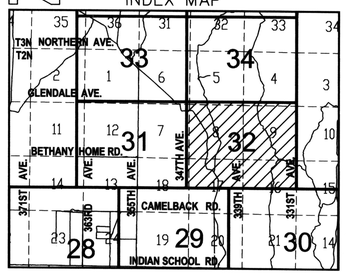
NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MCDOT Brass Cap in Handhole in center of 355th Ave., approx 1 mile north of I-10. (See sheet 26)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

INDEX MAP



400' 0' 400' 800'
SCALE: 1"= 400'
USGS CONTOUR INTERVAL = 10 - 20 FEET

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DESIGN CHK.	HAA	06/2003
PLANS	KBA/RJR	06/2003
PLANS CHK.	HAA	06/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:
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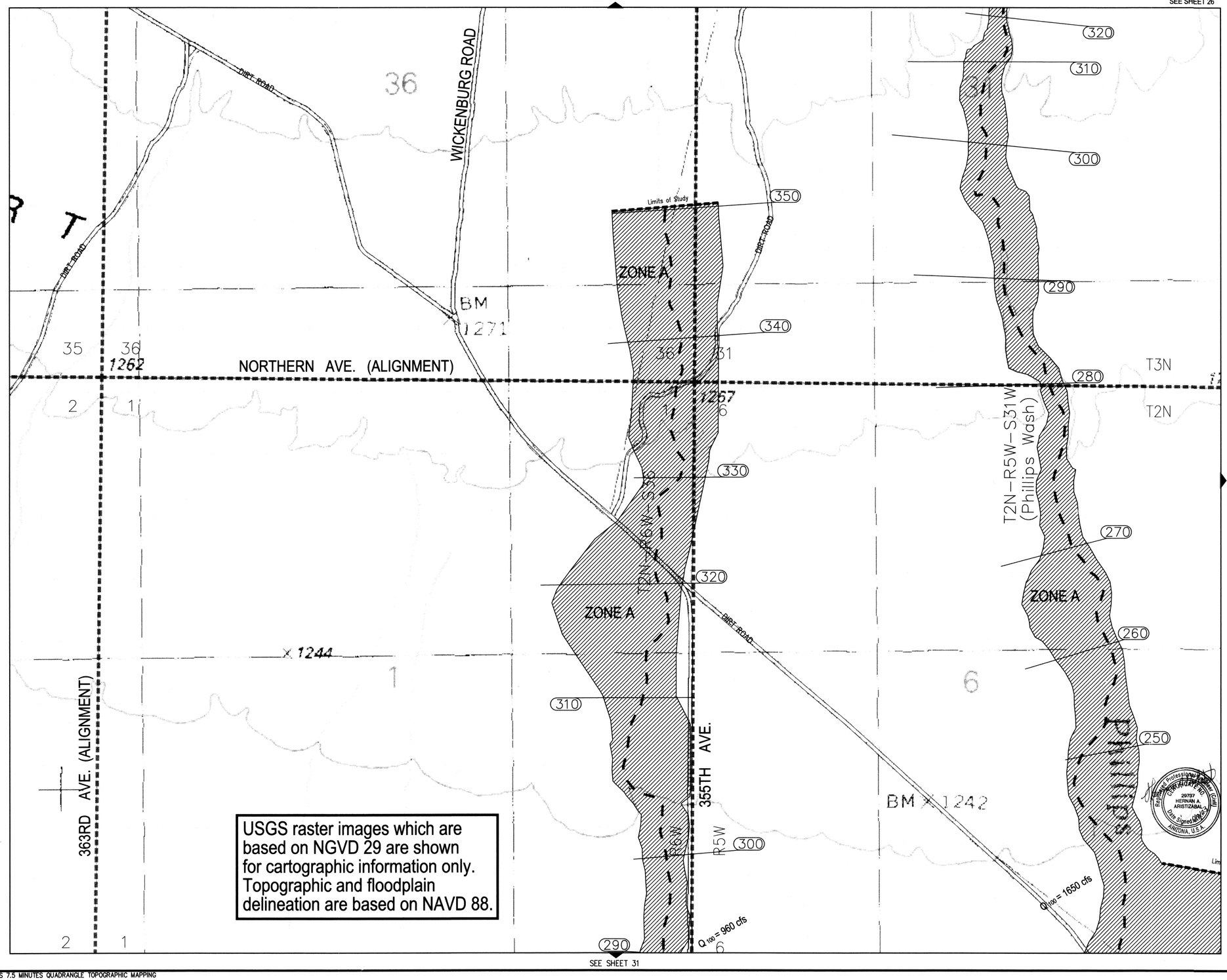
SHEET 32 OF 38



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A DELINEATION OF WATERSHED "PP" LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS: ZONE A
- CORPORATE LIMITS: Corporate Limits
- LIMITS OF STUDY: Limits of Study
- SECTION LINES
- SECTION CORNER: 29 28 / 32 33
- WASH I.D. LABEL: T1S-R5W-S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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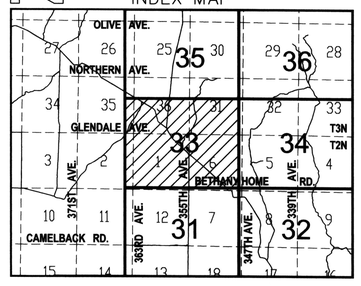
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1" = 400'

USGS CONTOUR INTERVAL = 10 - 20 FEET

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SHEET 33 OF 38

FILE: 310\310010a\Draw\000_Plan_33.Dwg DATE:06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

ERM ▲171
SEE SHEET 26

SEE SHEET 36

SEE SHEET 33

SEE SHEET 32

Limits of Study

T2N-R5W-S33E

T2N-R5W-S34E

T1S-R5W-S3E

T1S-R5W-S2E

T1S-R5W-S1E

T2N-R5W-S4E

T2N-R5W-S5E

T3N-R5W-S32E

Prospect

Jackrabbit

T3N

T2N

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM ▲6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
171	1125.42	MCDOT Brass Cap in Handhole in center of 355th Ave., approx 1 mile north of I-10. (See sheet 26)

NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP

OLIVE AVE.
NORTHERN AVE.
GLENDALE AVE.
BETHANY HOME RD.
T3N T2N
RSW RSW

400' 0' 400' 800'

SCALE: 1"= 400'
USGS CONTOUR INTERVAL = 10 - 20 FEET

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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SUBMITTED BY: DATE:

SHEET 34 OF 38

FILE: 310_3100100\Dmw\000_Plan_34.Dwg DATE:06/03/2003

SEE SHEET 37

ERM 171
SEE SHEET 26

23 | 24 — 1329 — PEORIA AVE. (ALIGNMENT) — 24 | 19 — 1346

26 | 25 — 25 | 30

363RD AVE. (ALIGNMENT)

355TH AVE. (ALIGNMENT)

WICKENBURG ROAD

BM 1335

USGS raster images which are based on NGVD 29 are shown for cartographic information only. Topographic and floodplain delineation are based on NAVD 88.

T2N–R5W–S31W (Phillips Wash)

ZONE A

Limits of Study

490 480 470 460 450 440 430 420 410 400 390 380

50 40 30 20 10

T3N–R5W–S25

T3N–R5W–S30

Q100 = 610 cfs

Q100 = 560 cfs

Q100 = 910 cfs

Q100 = 820 cfs

Q100 = 960 cfs

Q100 = 1650 cfs

T2N–R5W–S36 (Phillips Wash)

1459

Flatiron Mountain

Streak 1770

1289

OLIVE AVE. (ALIGNMENT)

BM 1306

1305

35 | 36 — 36 | 31

26 | 25 — 25 | 30

360 350 340 330

R6W | R5W

BUCK ROAD

SEE SHEET 36

SEE SHEET 33

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FILE: 310\3100\Gis\Draw\000_Plan_35.Dwg DATE:06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 | 28 / 32 | 33
WASH I.D. LABEL	T1S–R5W–S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

NOTE: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

I.D. NUMBER	ELEV. (FT)	DESCRIPTION/LOCATION
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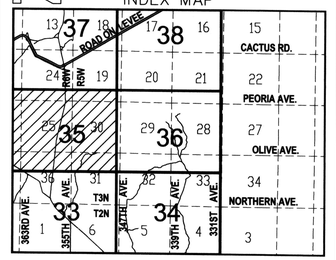
NOTES

NGVD 29 + 1.97 FEET = NAVD 88

N

INDEX MAP



400' 0' 400' 800'

SCALE: 1"= 400'

USGS CONTOUR INTERVAL = 10 – 20 FEET

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APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 35 OF 38

ERM 171
SEE SHEET 26

SEE SHEET 38

Prospects

ZONE A

T3N–R5W–S30

T3N–R5W–S29

T3N–R5W–S28

T3N–R5W–S28W

T2N–R5W–S33E

T2N–R5W–S28

PEORIA AVE. (ALIGNMENT)

OLIVE AVE. (ALIGNMENT)

347TH AVE. (ALIGNMENT)

339TH AVE. (ALIGNMENT)

JACKRABBIT WASH

Well

4 WD

DIRT ROAD

Limits of Study

Q_{100} = 5500 cfs

Q_{100} = 850 cfs

Q_{100} = 360 cfs

Q_{100} = 560 cfs

Q_{100} = 470 cfs

1489 1345 1510 1400 1300 1327 1290 1480 1286 1265

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JACKRABBIT WASH FLOODPLAIN DELINEATION STUDY
BURGESS & NIPLE
FCD 90 - 05
(NOT PART OF THIS STUDY)

SEE SHEET 35

SEE SHEET 34

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FILE: 310\310010a\Drawings\000_Plan_36.Dwg, DATE:06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK: ERM 6
- ZONE DESIGNATIONS: ZONE A
- CORPORATE LIMITS: Corporate Limits
- LIMITS OF STUDY: Limits of Study
- SECTION LINES
- SECTION CORNER: 29 28 / 32 33
- WASH I.D. LABEL: T1S–R5W–S22N
- EXISTING ZONE A
- EXISTING FLOOD PLAIN
- EXISTING FLOODWAY
- FLOW AT DOWNSTREAM CONC. POINT: Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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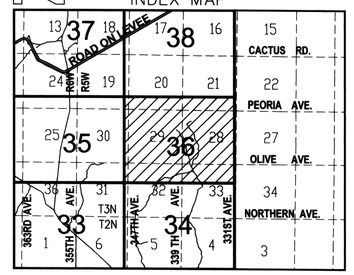

400' 0' 400' 800'
SCALE: 1"= 400'
USGS CONTOUR INTERVAL = 10 – 20 FEET

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RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

ERM 171
SEE SHEET 26

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355TH AVE. (ALIGNMENT)

BM 1401

13

18

4 WD

Flume

DIRT ROAD

DIRT ROAD

T3N-R5W-S28N

ZONE A

1446

1372

14

13

CACTUS RD. (ALIGNMENT)

1381

13

18

SEE SHEET 38

23

24

24

19

DIRT ROAD

ON LEVEE

CAP HAYDEN RHODES AQUEDUCT ROAD

4 WD

BM 1375

363RD AVE. (ALIGNMENT)

WICKENBURG ROAD

24

R6W

R5W

T3N-R5W-S33W

Limits of Study

540

530

520

T2N-R5W-S31W (Phillips Wash)

ZONE A

510

490

Q 100 = 820 cfs

500

ZONE A

Limits of Study

Q 100 = 880 cfs

50

1615

SEE SHEET 35

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FILE: 310\310010e\Drcw\000_Plan_37.Dwg DATE: 06/03/2003

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH
F.C.D. CONTRACT NO. 99-03
REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY	
HYDRAULIC BASE LINE	
CROSS SECTION	30
ELEVATION REFERENCE MARK	ERM 6
ZONE DESIGNATIONS	ZONE A
CORPORATE LIMITS	Corporate Limits
LIMITS OF STUDY	Limits of Study
SECTION LINES	
SECTION CORNER	29 28 / 32 33
WASH I.D. LABEL	T1S-R5W-S22N
EXISTING ZONE A	
EXISTING FLOOD PLAIN	
EXISTING FLOODWAY	
FLOW AT DOWNSTREAM CONC. POINT	Q_{100} = 850 cfs

ELEVATION REFERENCE MARKS

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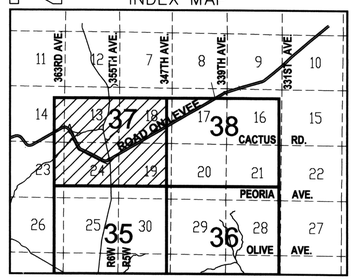

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APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 37 OF 38

ERM 171
SEE SHEET 26

SEE SHEET 37

347TH AVE. (ALIGNMENT)

339TH AVE. (ALIGNMENT)

CAP HAYDEN RHODES AQUEDUCT

CAMPA

Jackrabbit

JACKRABBIT WASH

CACTUS RD. (ALIGNMENT)

Q_{100} = 4960 cfs

Limits of Study

ZONE A

T3N-R5W-S28

T3N-R5W-S29

T3N-R5W-S21

T3N-R5W-S22

Q_{100} = 450 cfs

Q_{100} = 4950 cfs

Q_{100} = 5500 cfs

Q_{100} = 580 cfs

Q_{100} = 610 cfs

JACKRABBIT WASH FLOODPLAN DELINEATION STUDY
BURGESS & NIPLE
FCD 90 - 05
(NOT PART OF THIS STUDY)

Wash

PALO VERDE

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SEE SHEET 36

FILE: 310\310010a\Draw\000_Plan_38.Dwg DATE:06/03/2003

USGS 7.5 MINUTES QUADRANGLE TOPOGRAPHIC MAPPING

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

ZONE A
DELINEATION OF WATERSHED "PP"
LUKE WASH

F.C.D. CONTRACT NO. 99-03

REVISED BY: F.C.D. CONTRACT NO. 2002C033-1

LEGEND

- 100-YR APPROXIMATED ZONE A FLOODPLAIN BOUNDARY
- HYDRAULIC BASE LINE
- CROSS SECTION (30)
- ELEVATION REFERENCE MARK ERM 6
- ZONE DESIGNATIONS ZONE A
- CORPORATE LIMITS — Corporate Limits —
- LIMITS OF STUDY — Limits of Study —
- SECTION LINES
- SECTION CORNER 29 | 28 / 32 | 33
- WASH I.D. LABEL T1S-R5W-S22N
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ELEVATION REFERENCE MARKS

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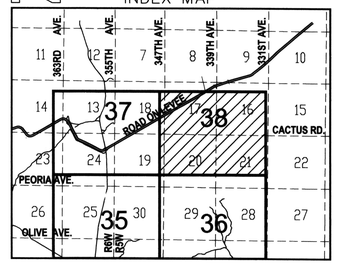

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SHEET 38 OF 38