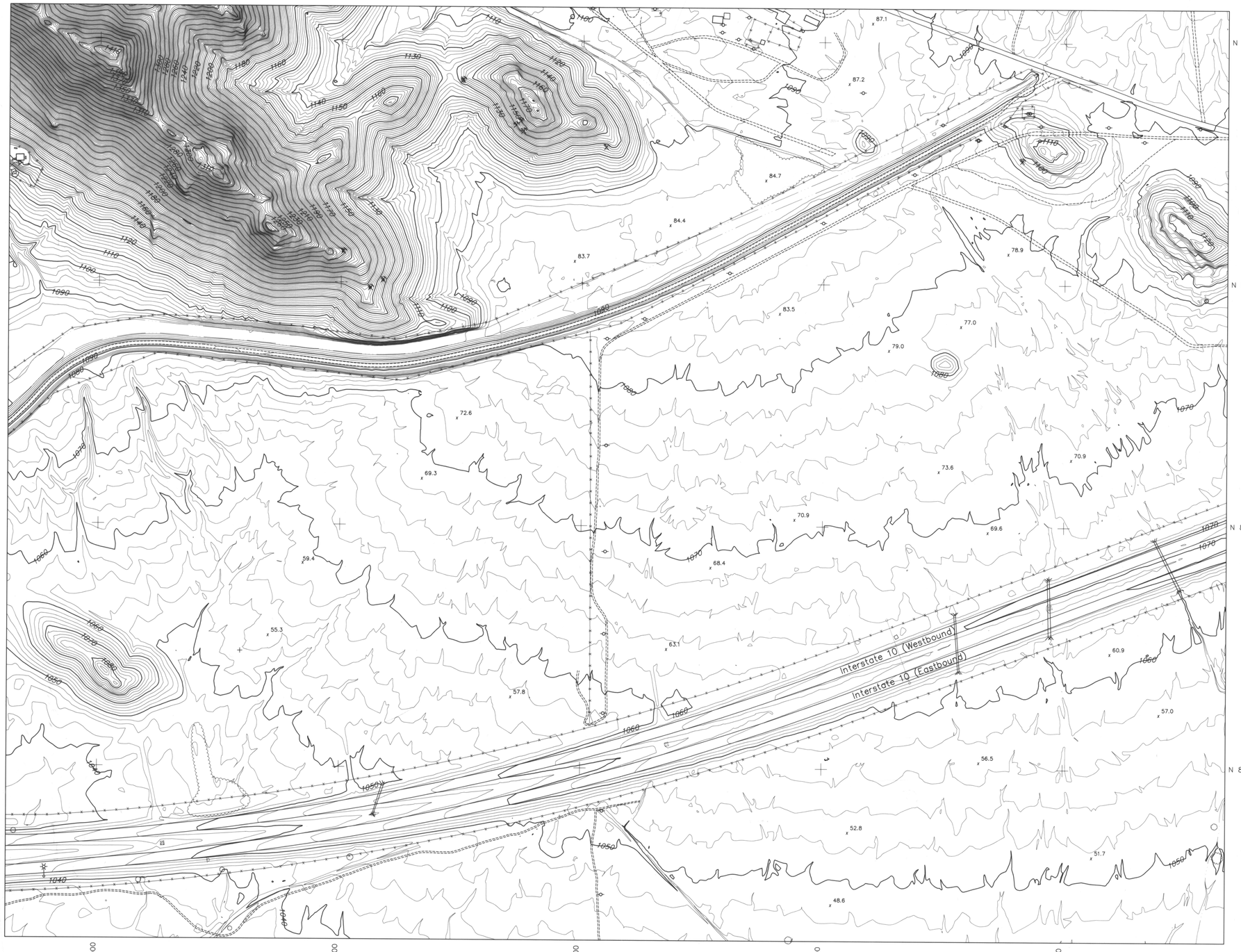


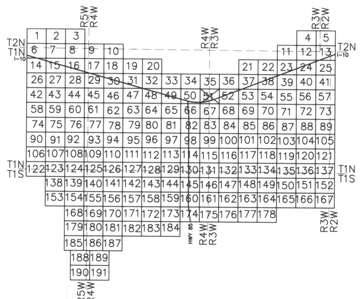
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- MINE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 13251 BYRON E. JOHNSON

12-20-02

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY	DATE
DESIGN:	–	–
DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

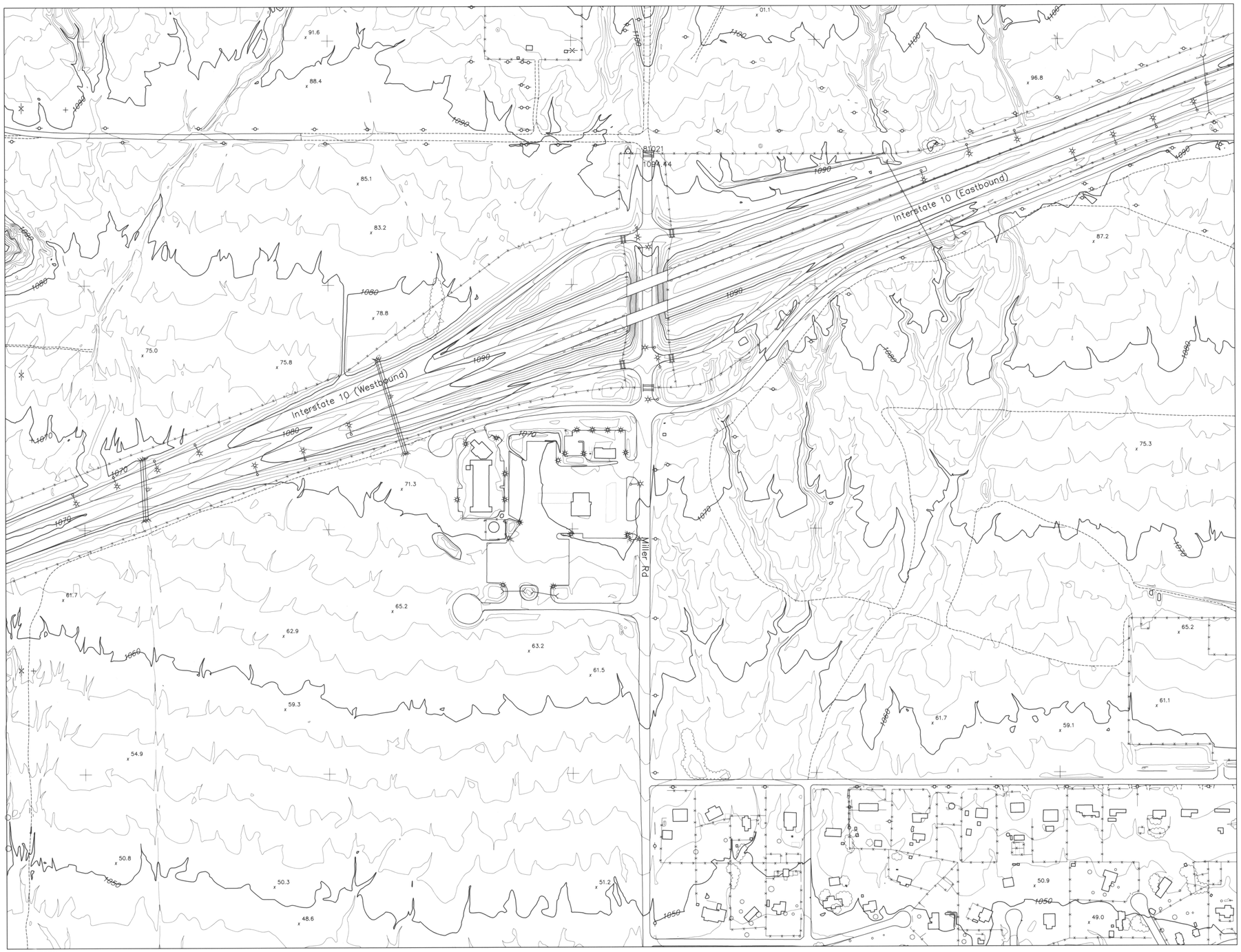
RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 51 OF 191

sheets 51-124



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- x 21.4 SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
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- WALL
- OBSCURED AREA
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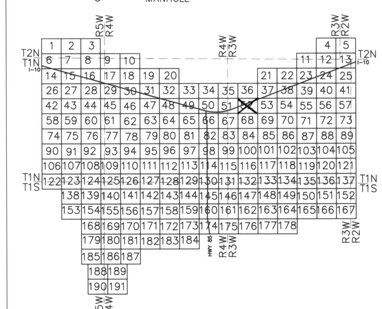
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE 33313 BYRON E. GARLOW 12-20-02

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hult-Zollars & Project Engineering Consultants.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

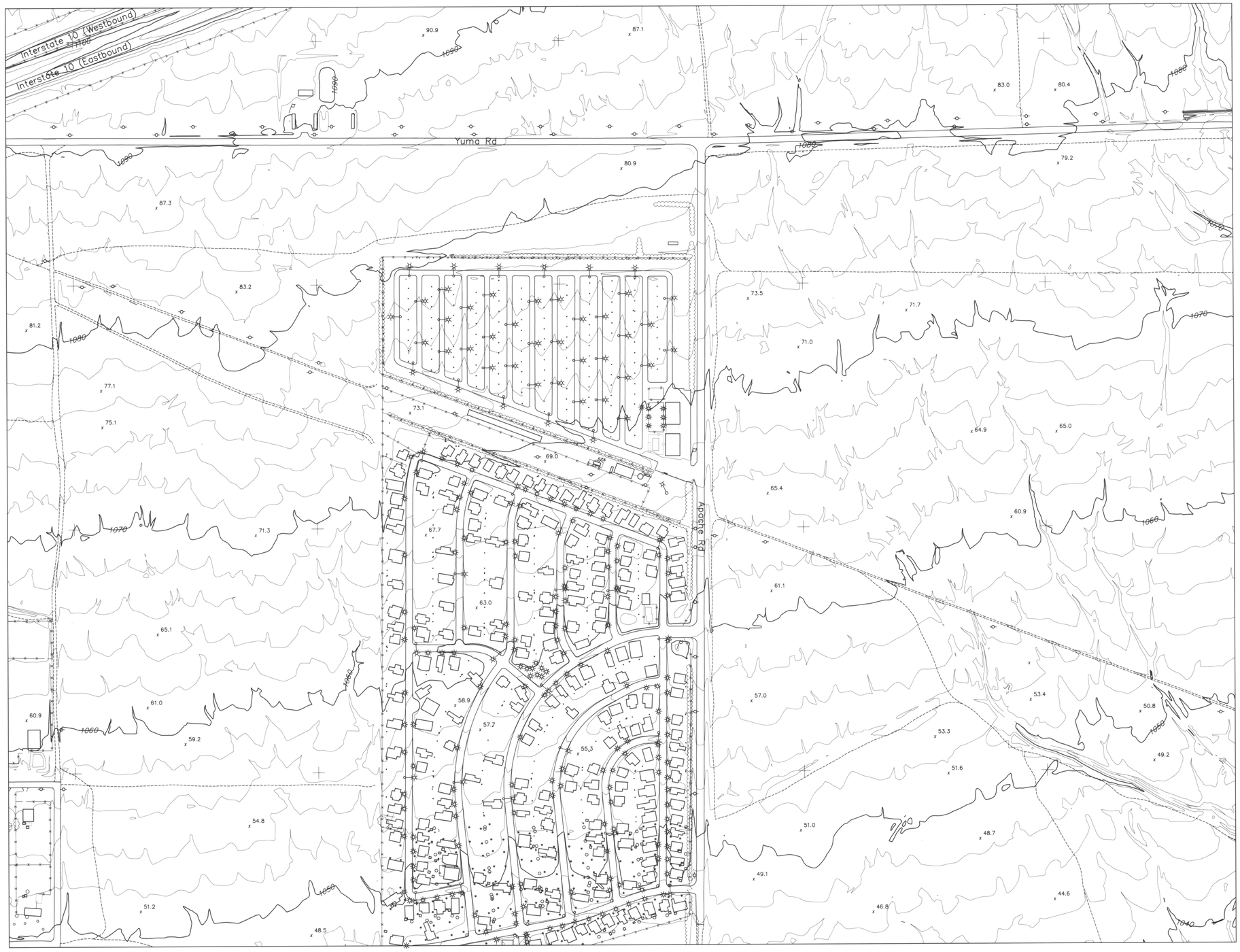
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 52 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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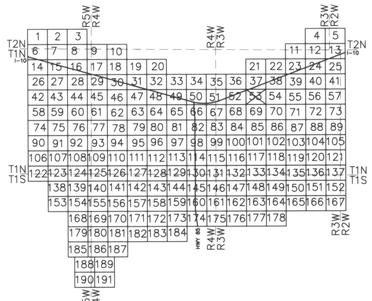


SCALE: 1" = 200'
CONTOUR INTERVAL = 2 FEET

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

BYRON E. JOHNSON 33313 REGISTERED LAND SURVEYOR
12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone
Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

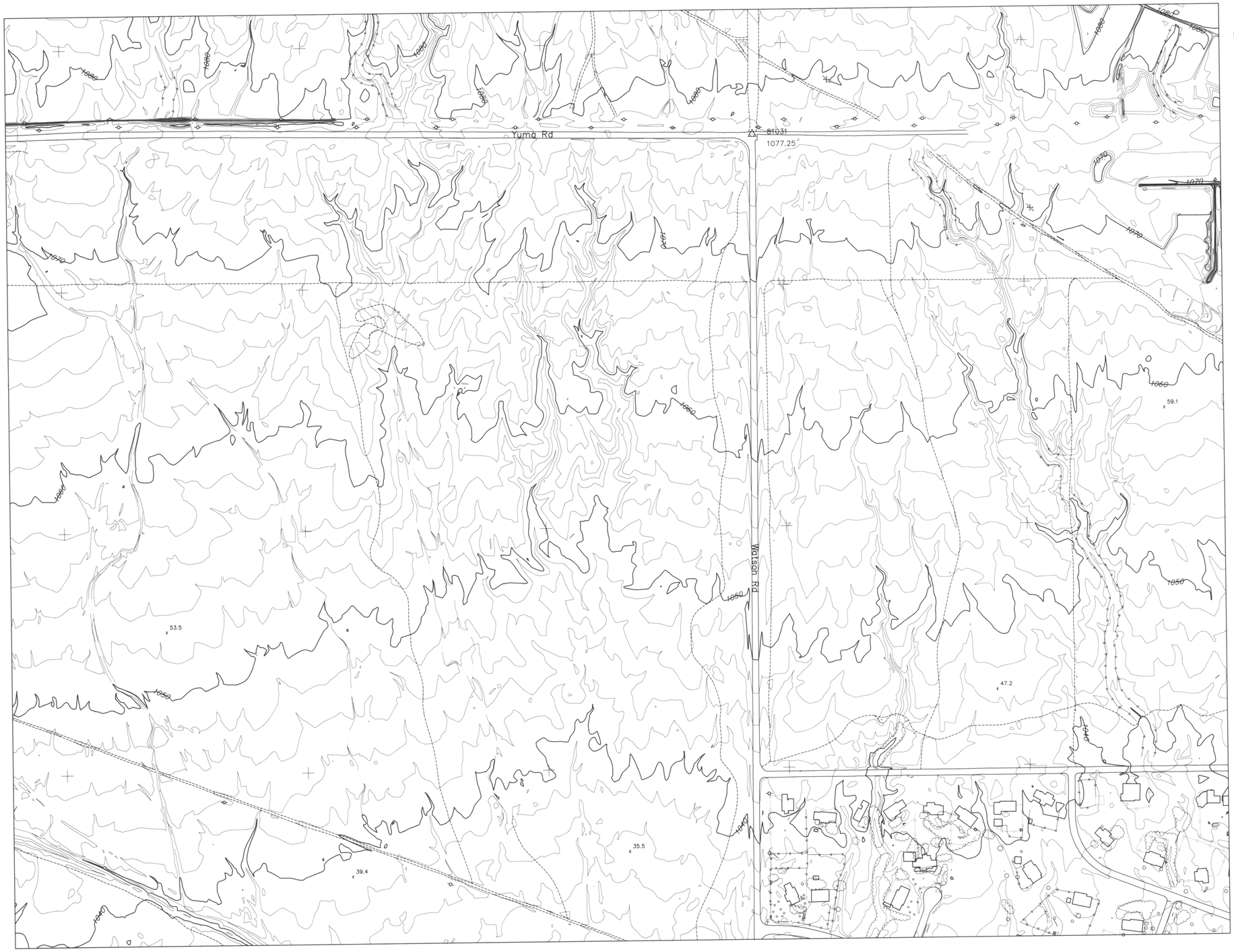
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET: 53 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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- ERM POINT
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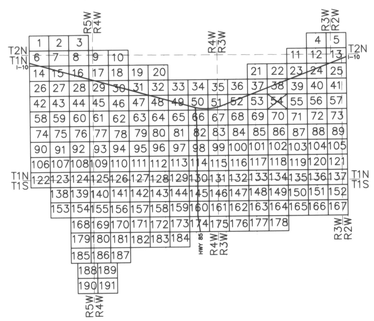


0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. PIXLEY

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

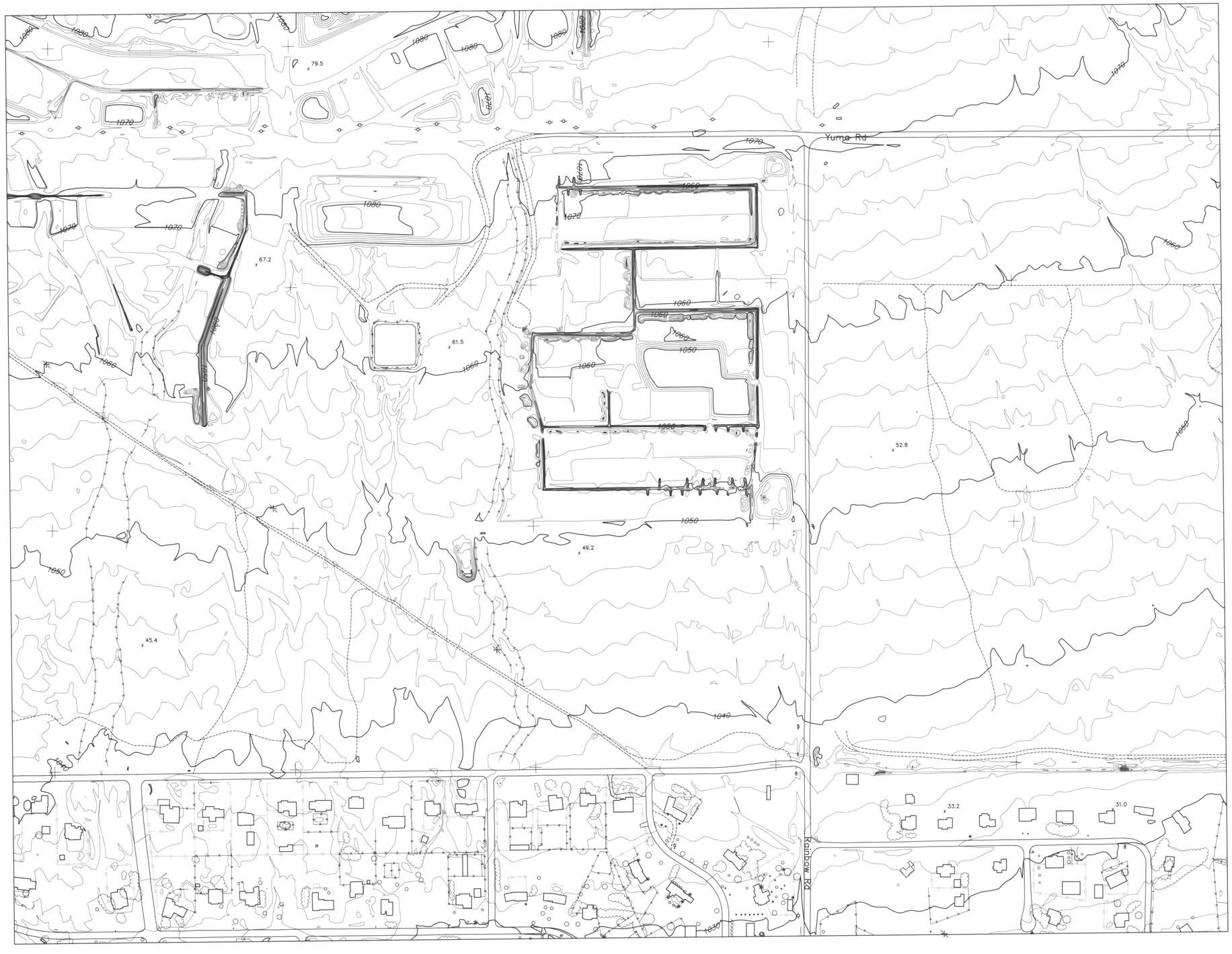
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 54 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
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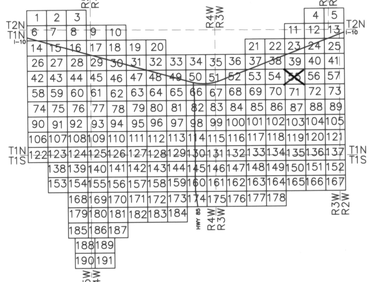


SCALE: 1" = 200'
CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

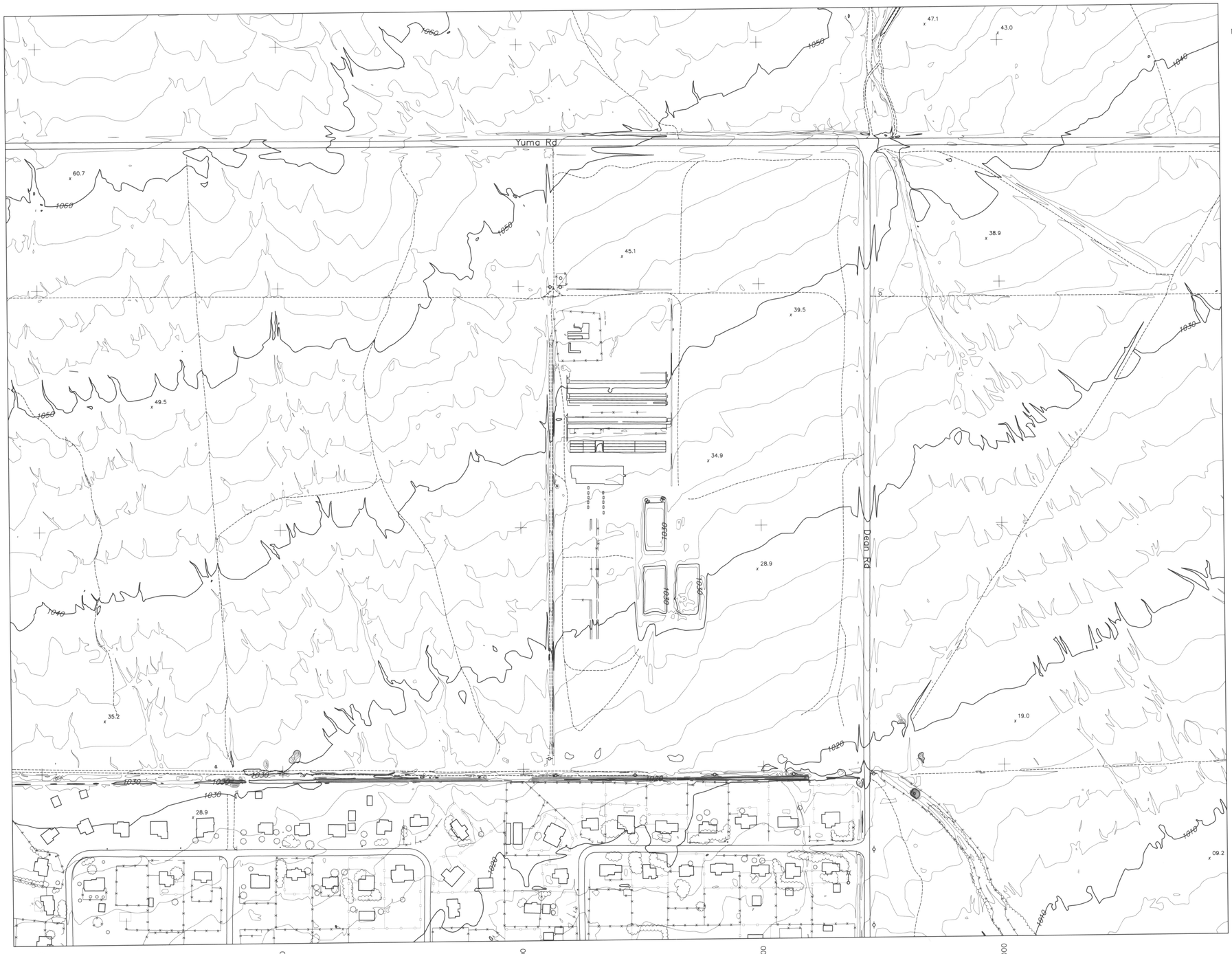
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 55 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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- TREE LINE
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- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
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- CATTLE GUARD
- LIGHT POLE
- POST
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- ERM POINT
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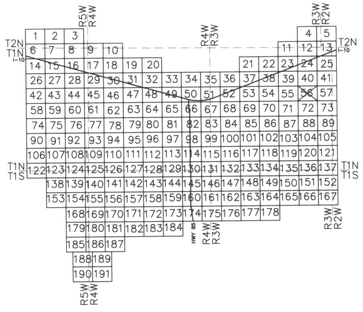


0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON ARIZONA U.S.A.

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

12-20-02

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

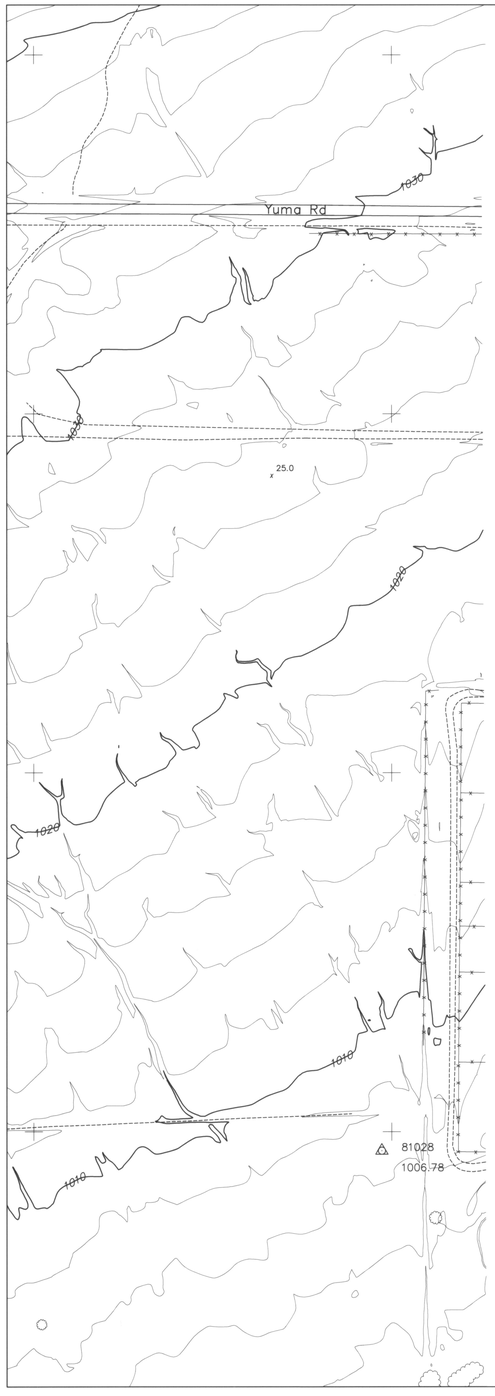
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 56 OF 191



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N 886000

N 885000

N 884000

E 517000 E 518000 E 519000 E 520000 E 521000

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
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- 1110 INDEX CONTOUR
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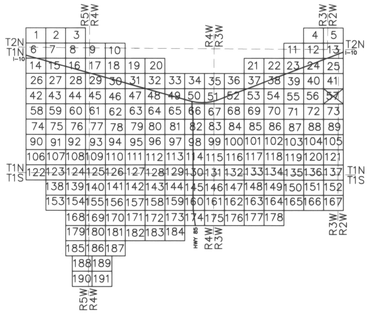


N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR ARIZONA U.S.A. 33215 BYRON E. JOHNSON 12-20-03

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Huitt-Zollars & Project Engineering Consultants.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY:	DATE:
DESIGN	–	–
DESIGN CHK	–	–
PLANS	–	–
PLANS CHK	–	–

SUBMITTED BY: DATE:

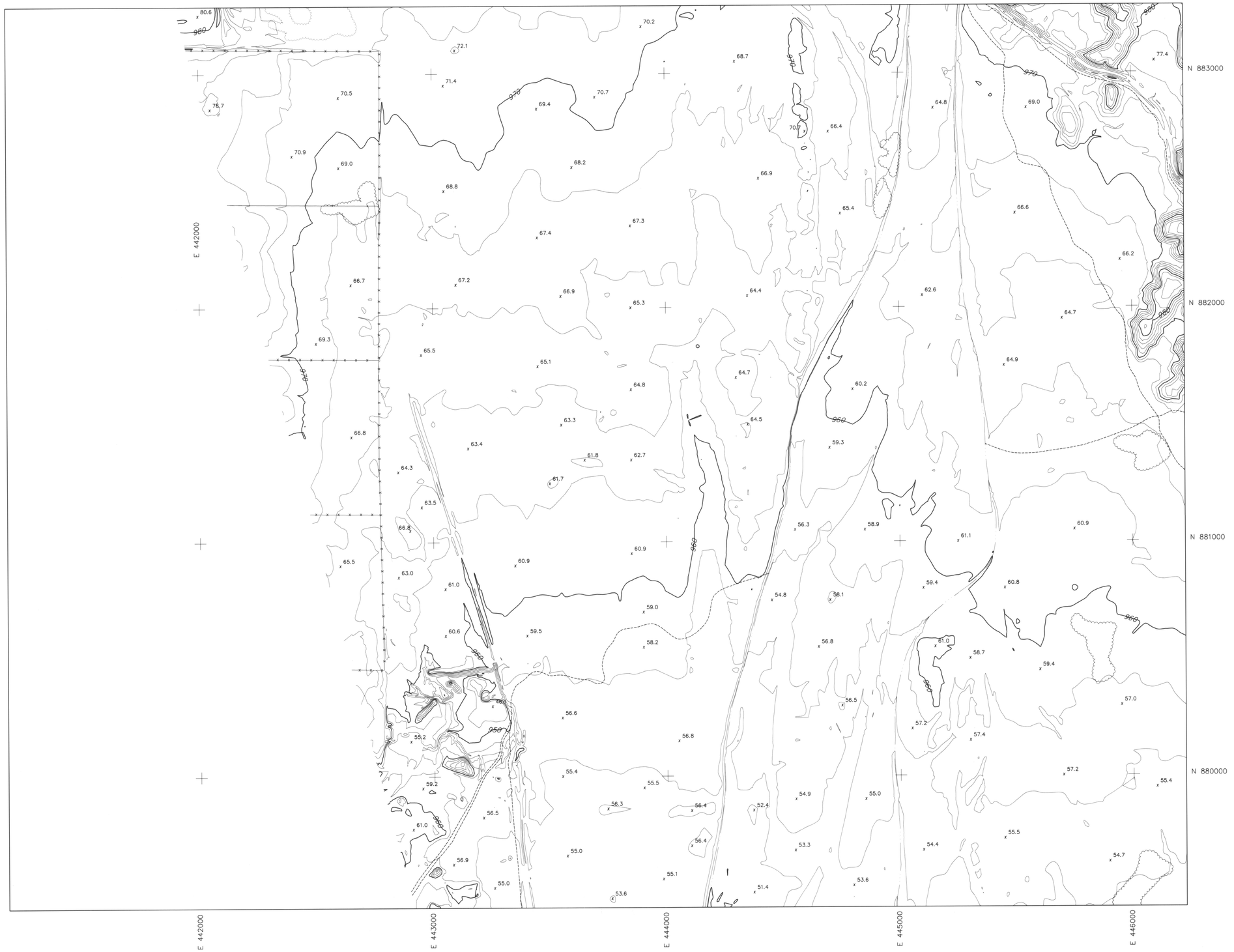
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 57 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
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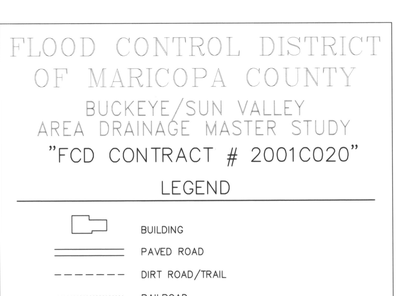


0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

BYRON E. ZAMORA 7-25-03

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

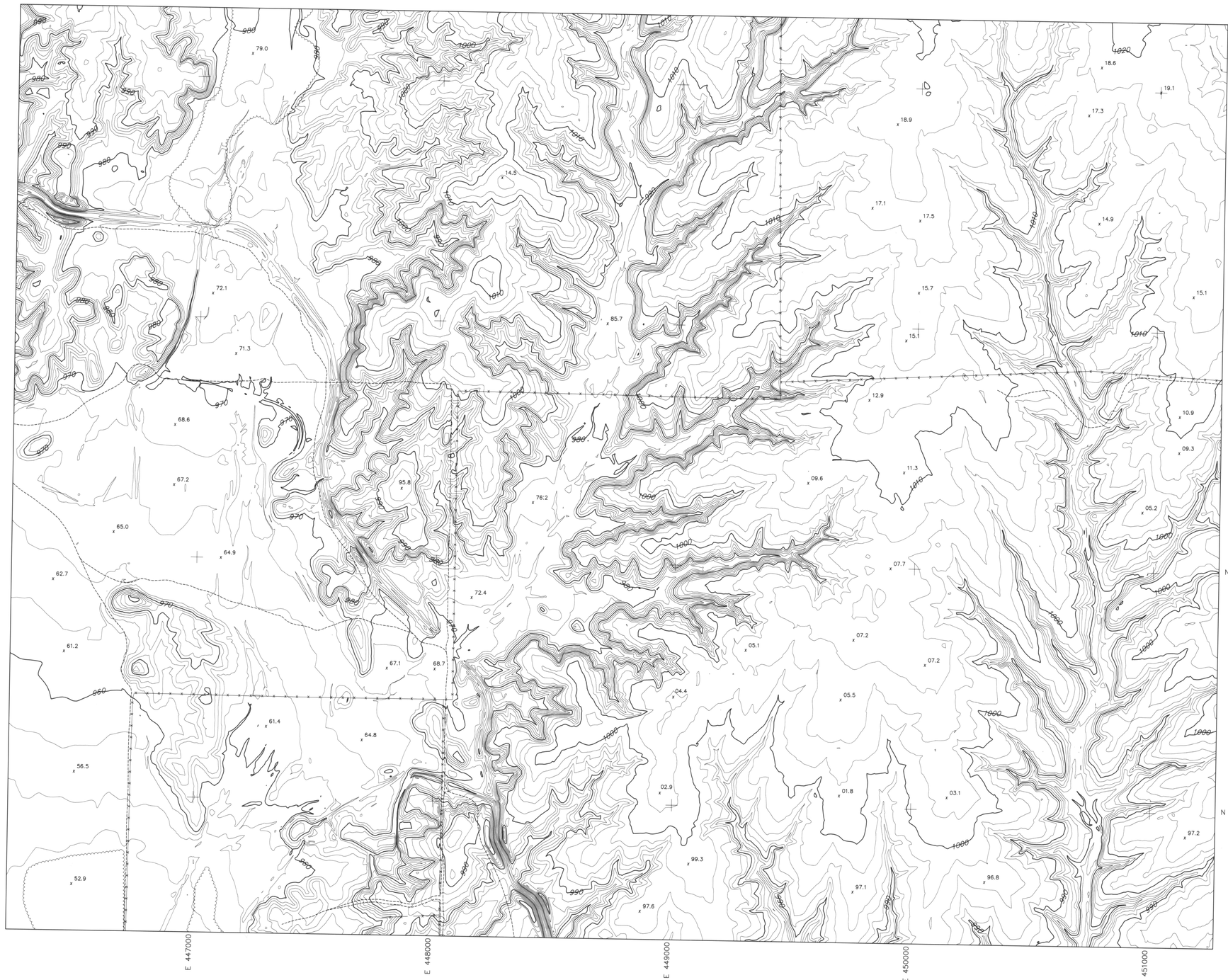
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 58 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
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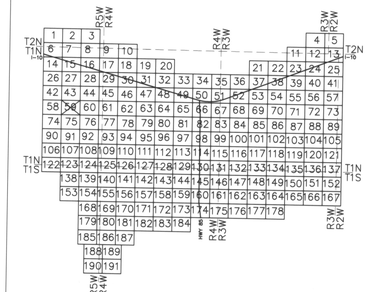


SCALE: 1" = 200'
CONTOUR INTERVAL = 2 FEET

0 200' 400' 600'

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Huitt-Zollars & Project Engineering Consultants.

BYRON E. [illegible] 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY:	DATE:
DESIGN	–	–
DESIGN CHK	–	–
PLANS	–	–
PLANS CHK	–	–

SUBMITTED BY: _____ DATE:

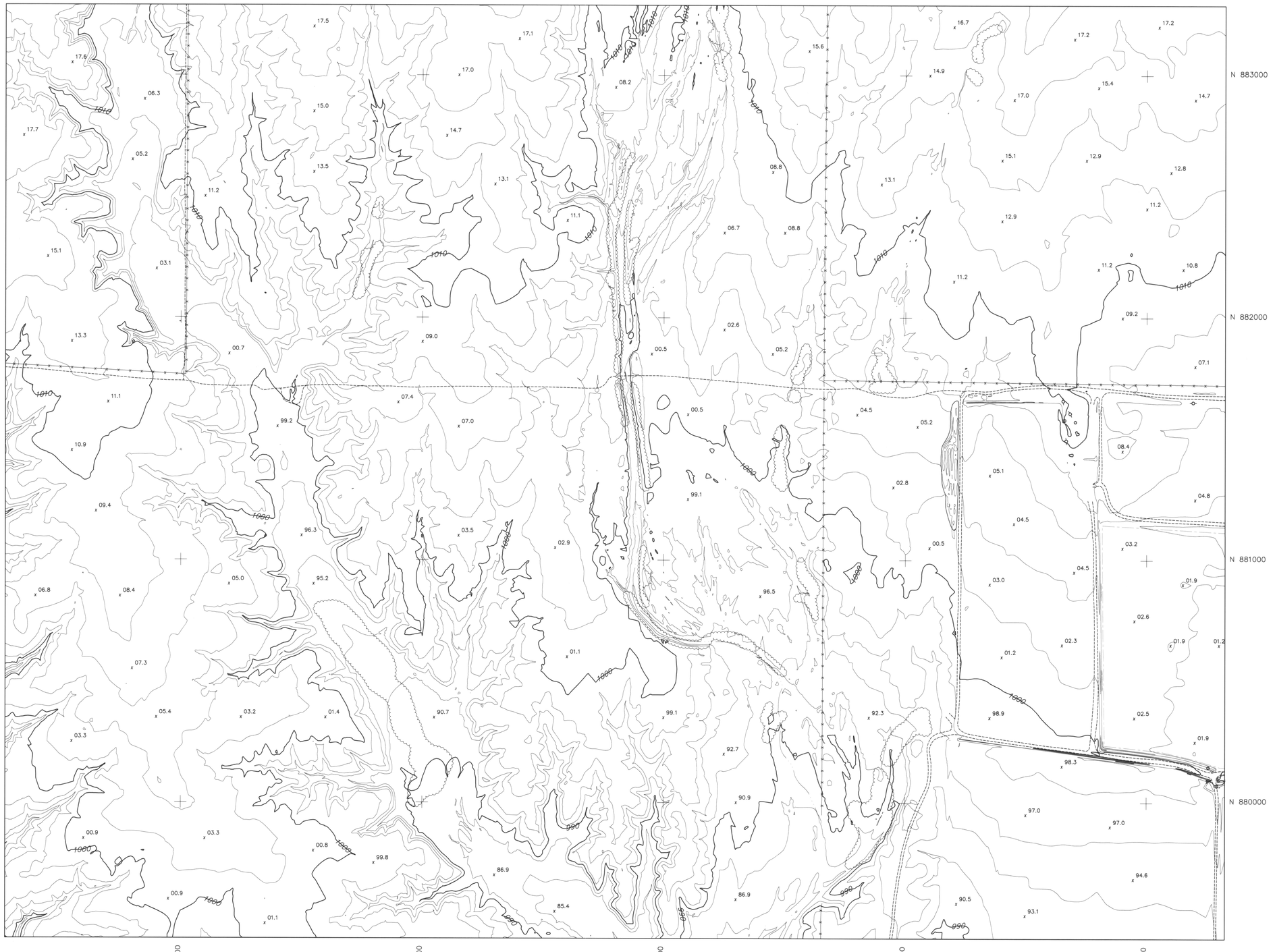
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE

APPROVED BY: _____ DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 59 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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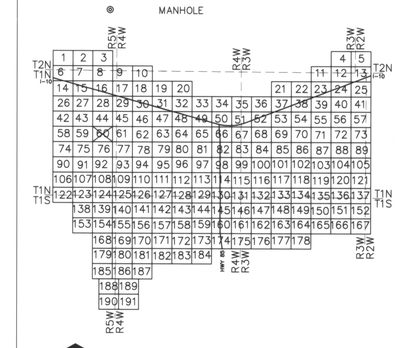

N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

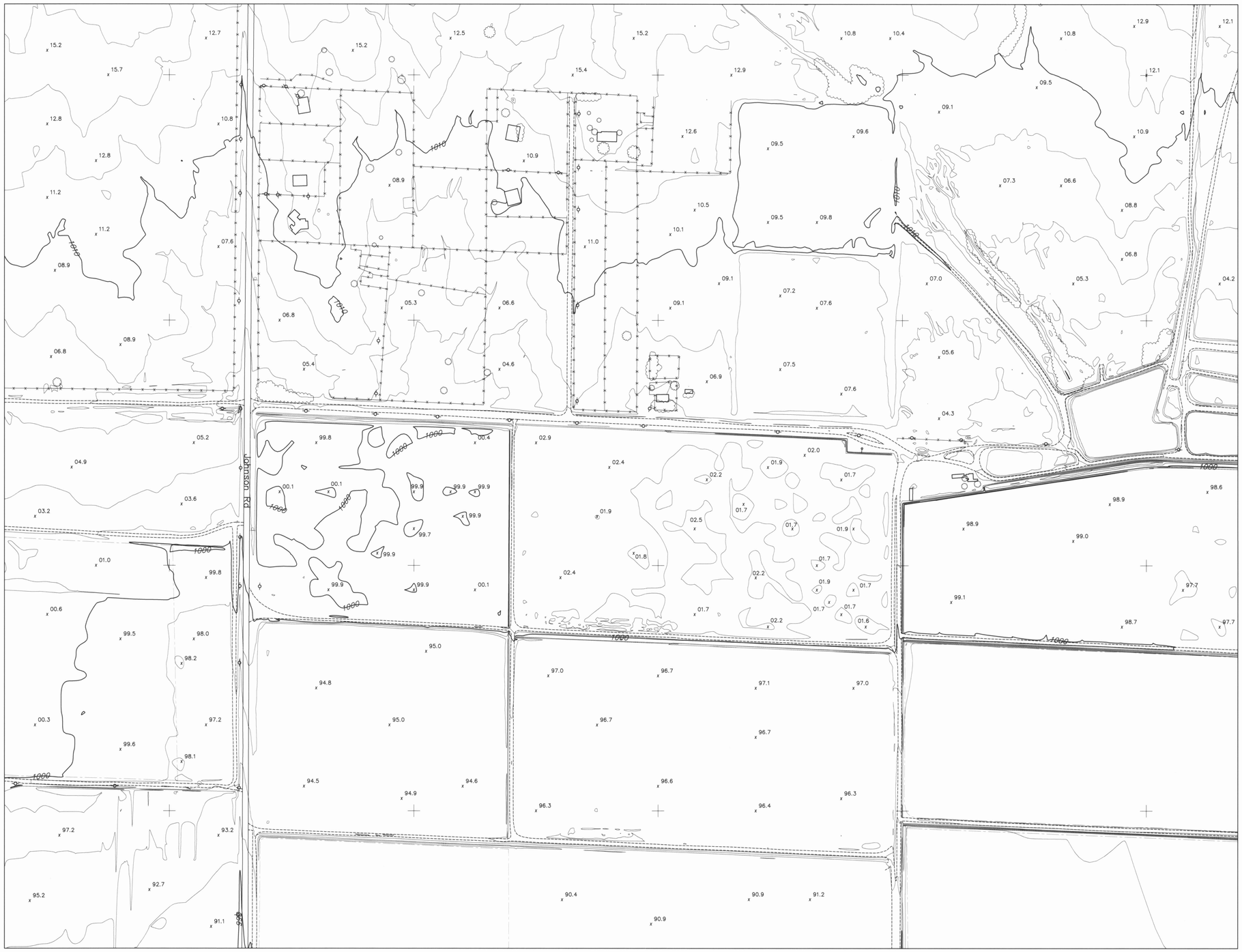
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 60 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
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- VALVE
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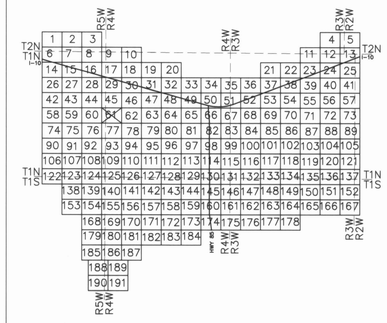
- MANHOLE



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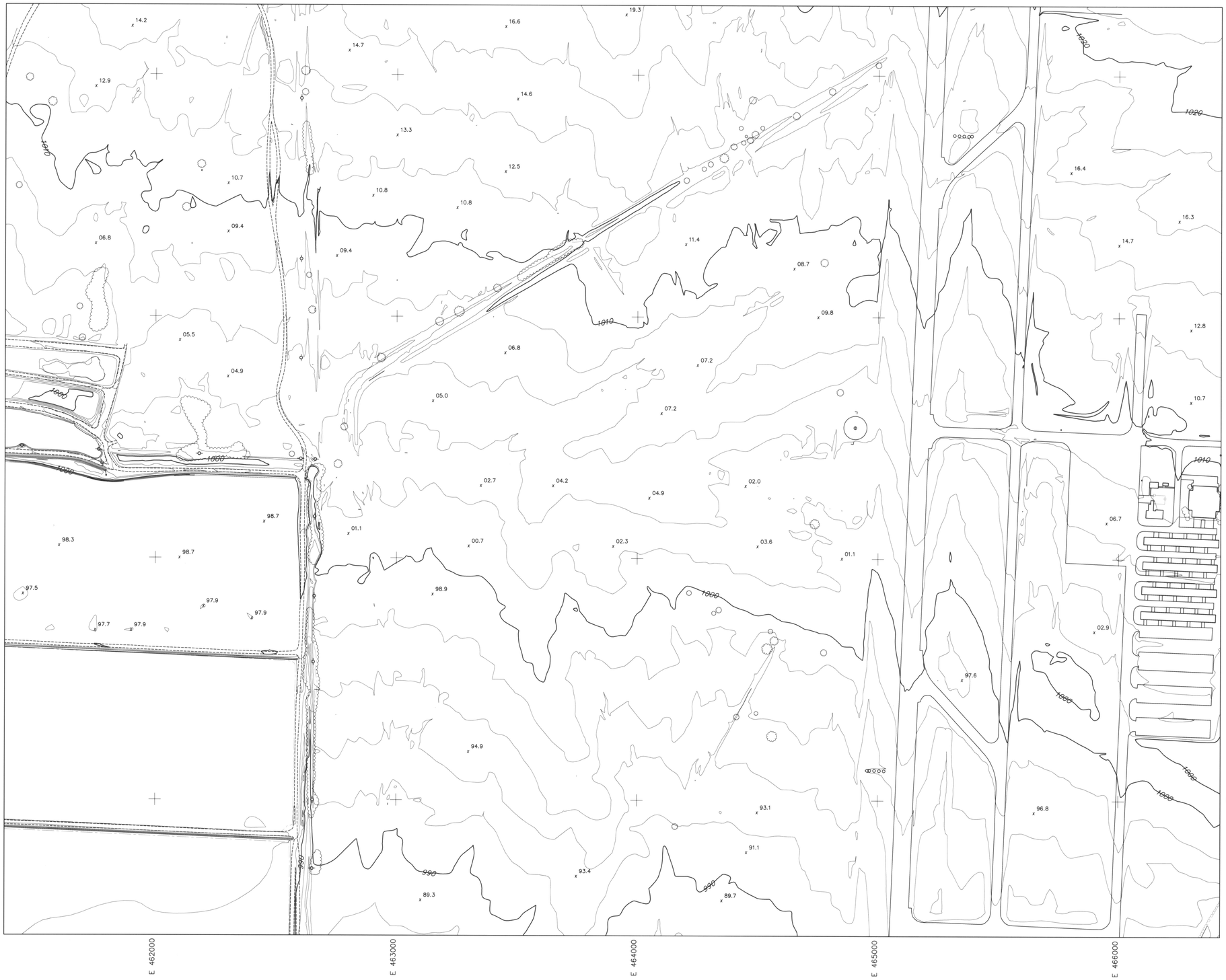

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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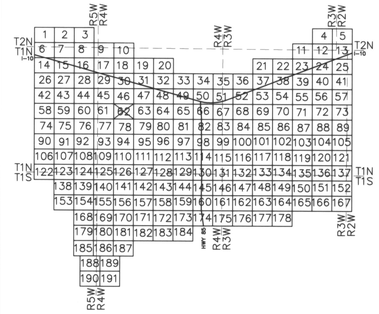

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BYRON E. JOHNSON 33313 REGISTERED LAND SURVEYOR STATE OF ARIZONA 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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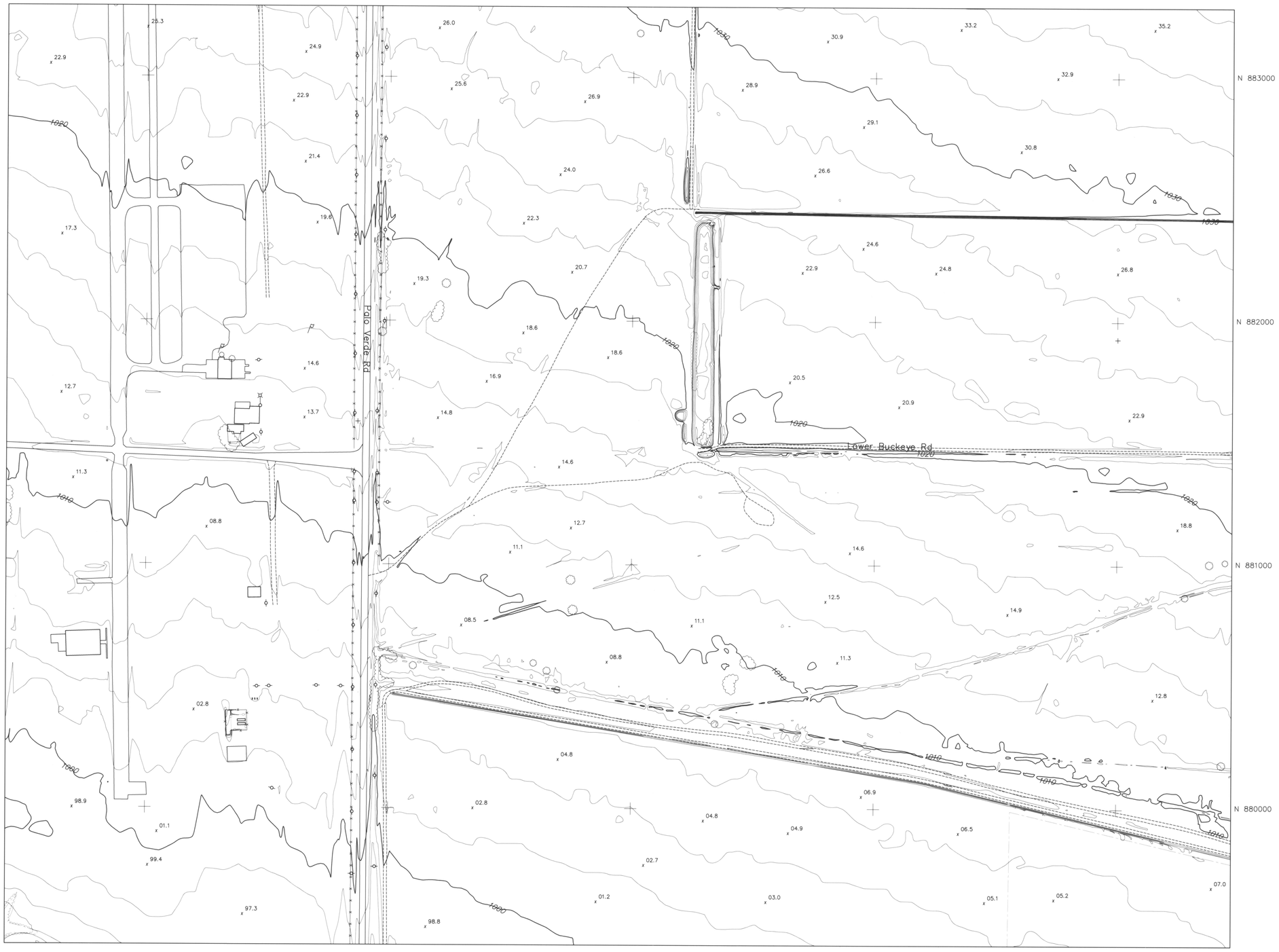
SHEET 62 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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"FCD CONTRACT # 2001C020"

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ARIZONA LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON

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12-20-03

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Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK.	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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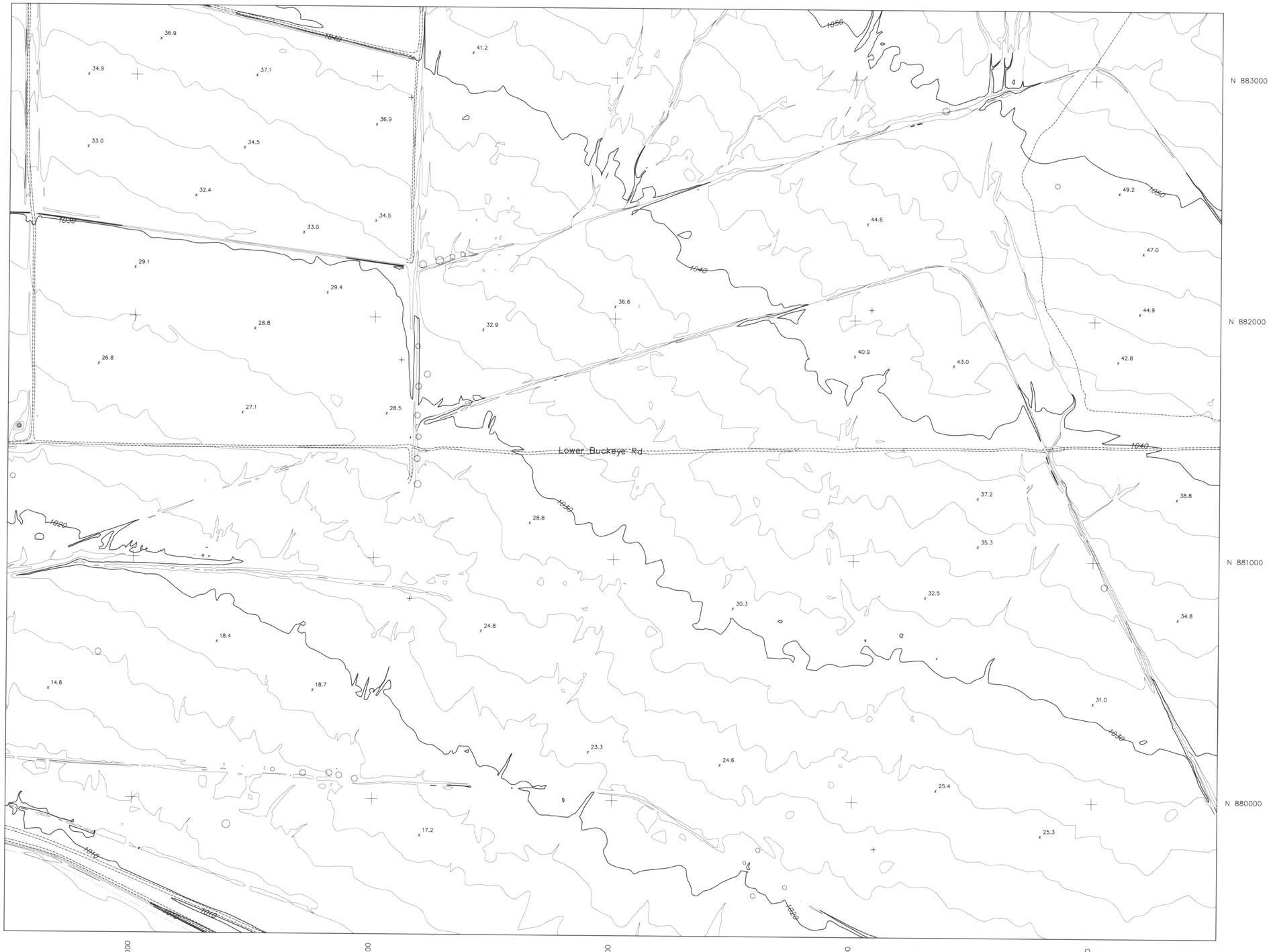
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 63 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



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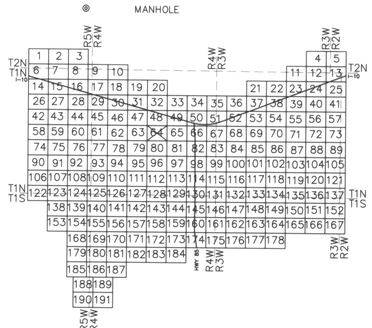

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12-20-03

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Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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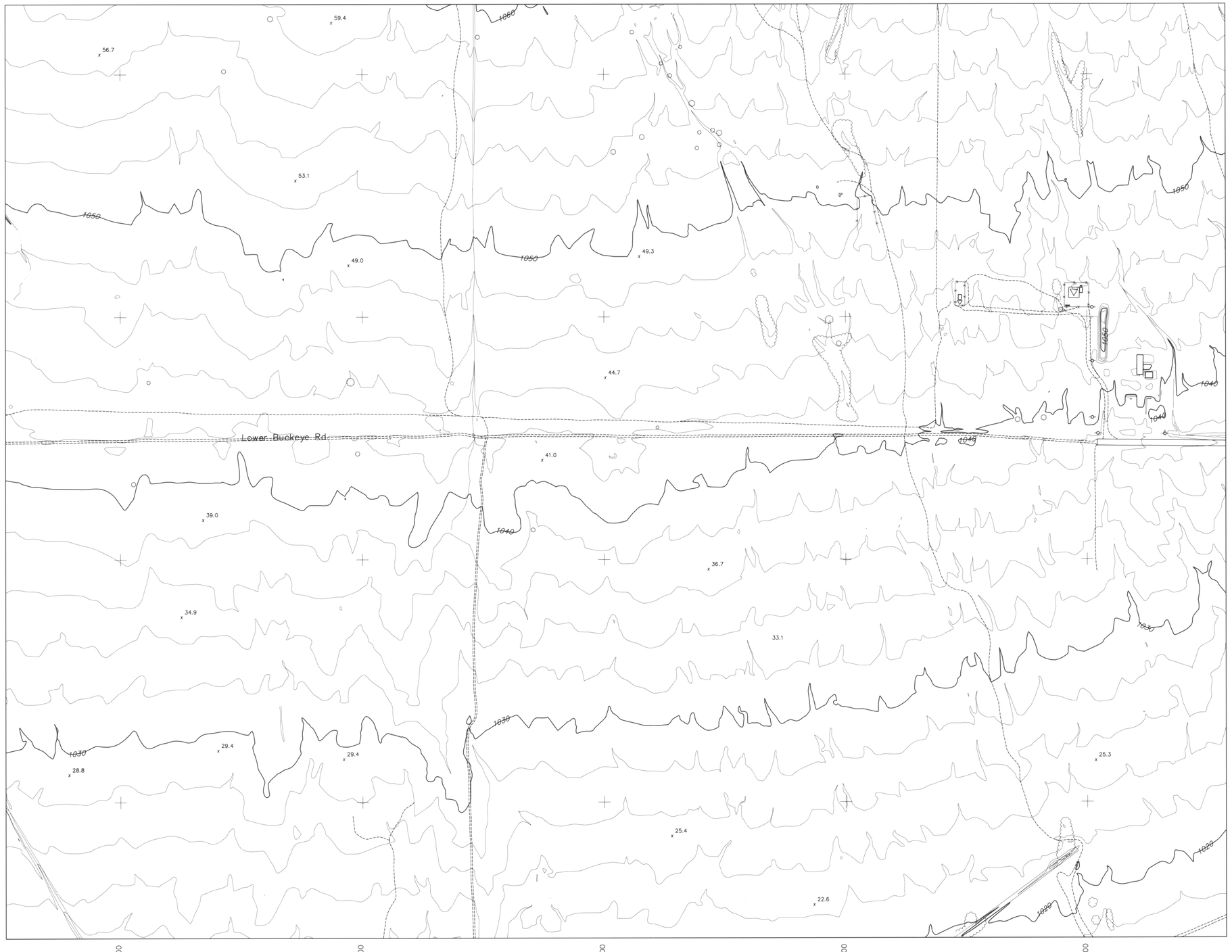
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 64 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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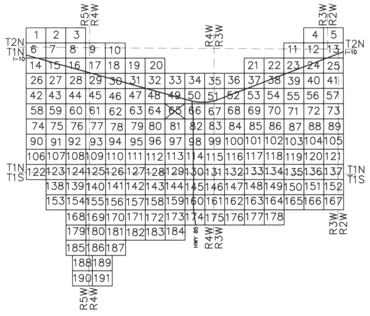

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SHEET 65 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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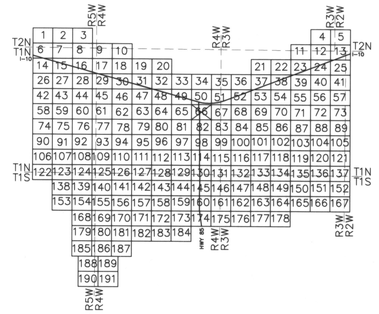

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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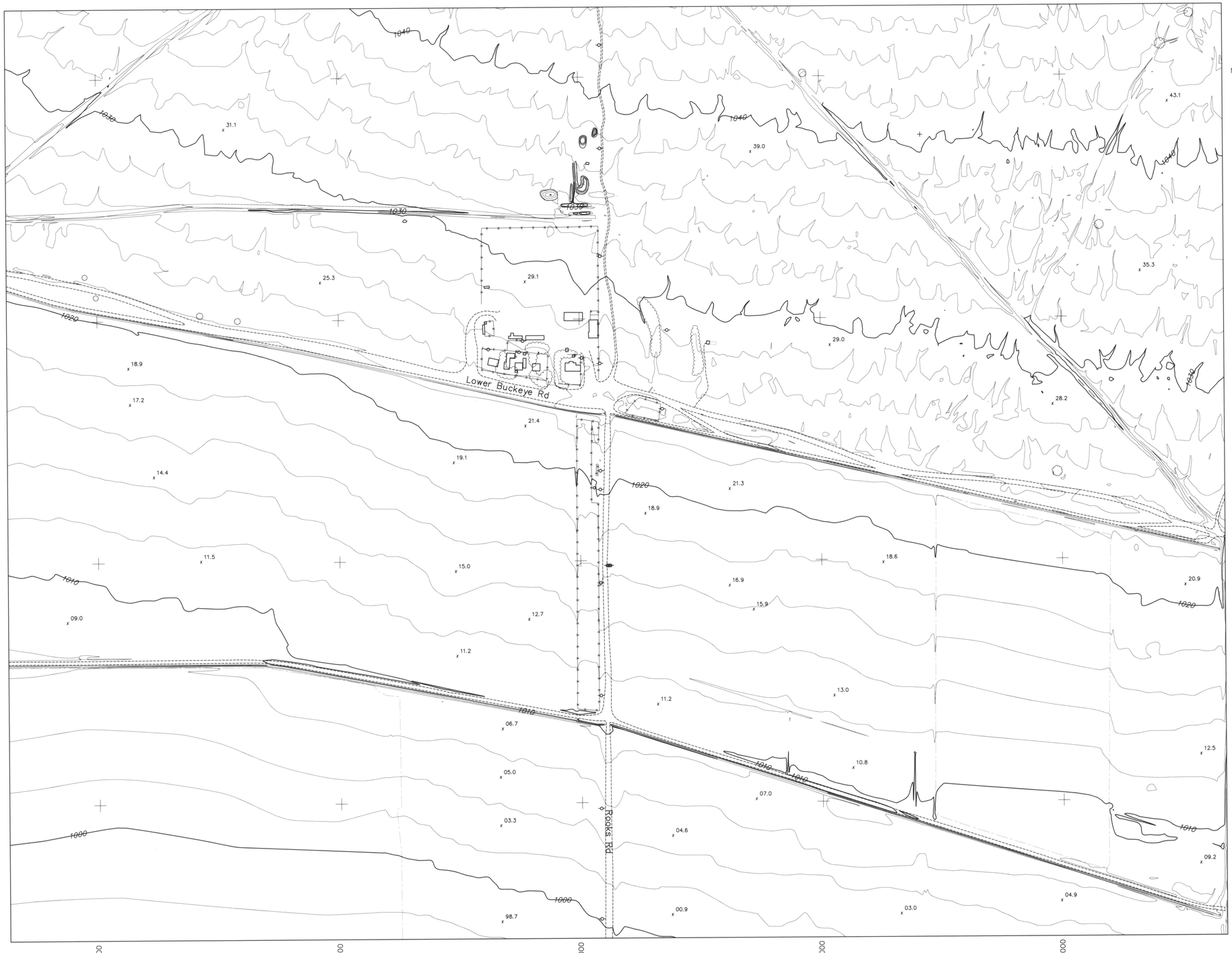
SHEET 66 OF 191



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BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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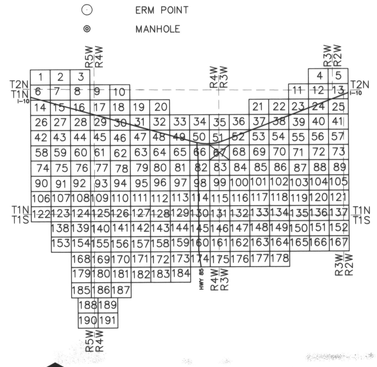

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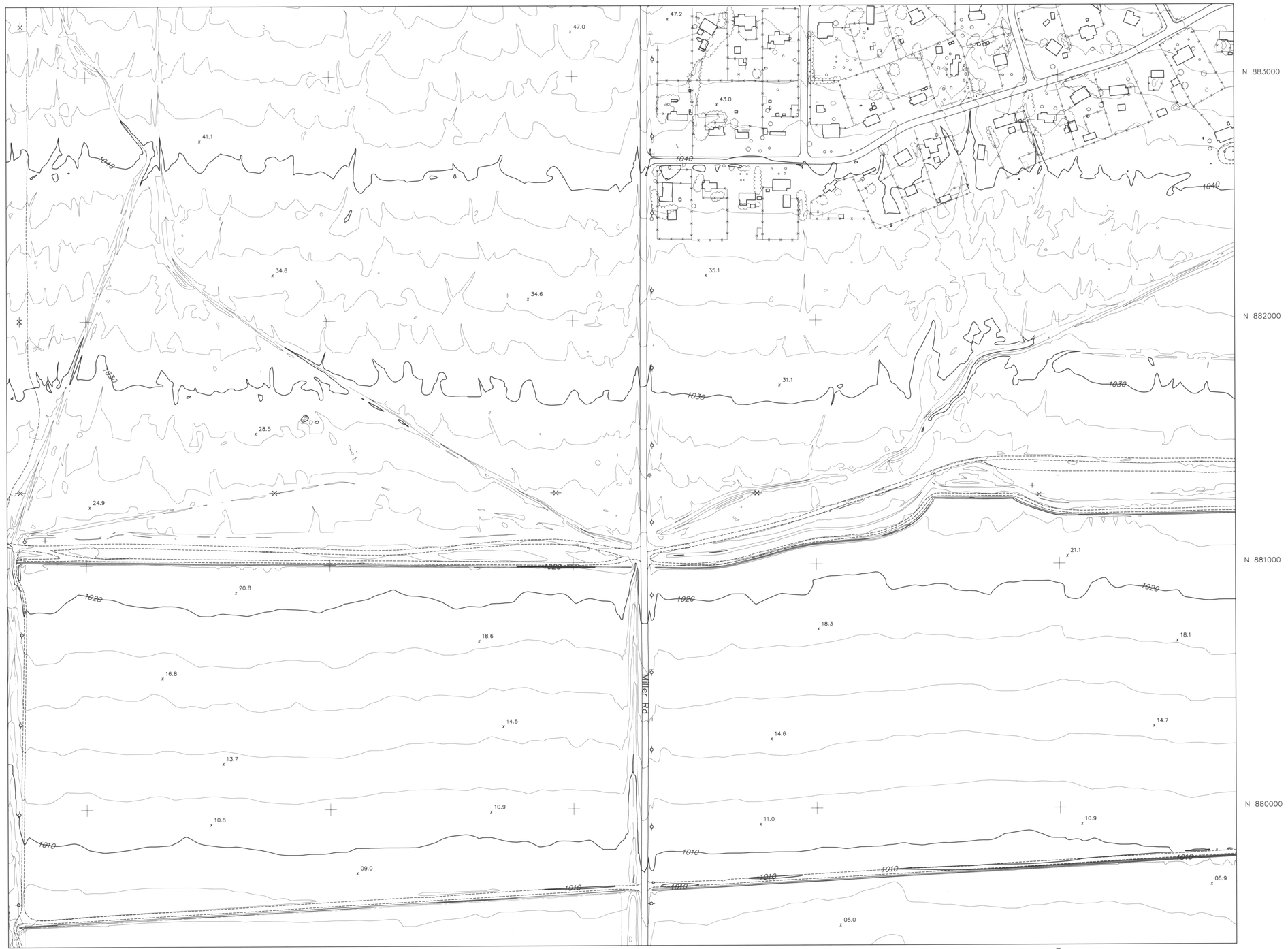

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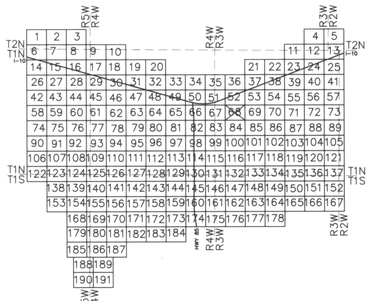

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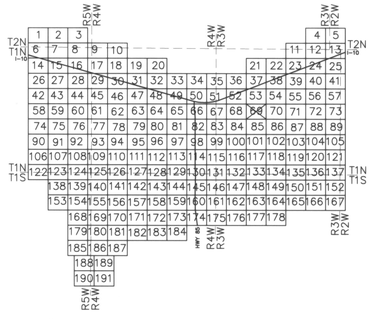

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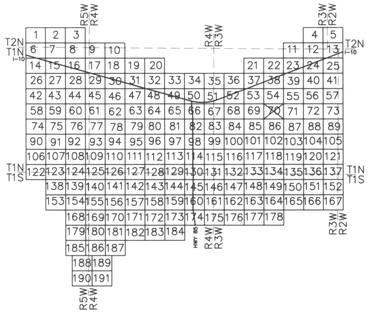

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DESIGN	–	–
DESIGN CHK.	–	–
PLANS	–	–
PLANS CHK.	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

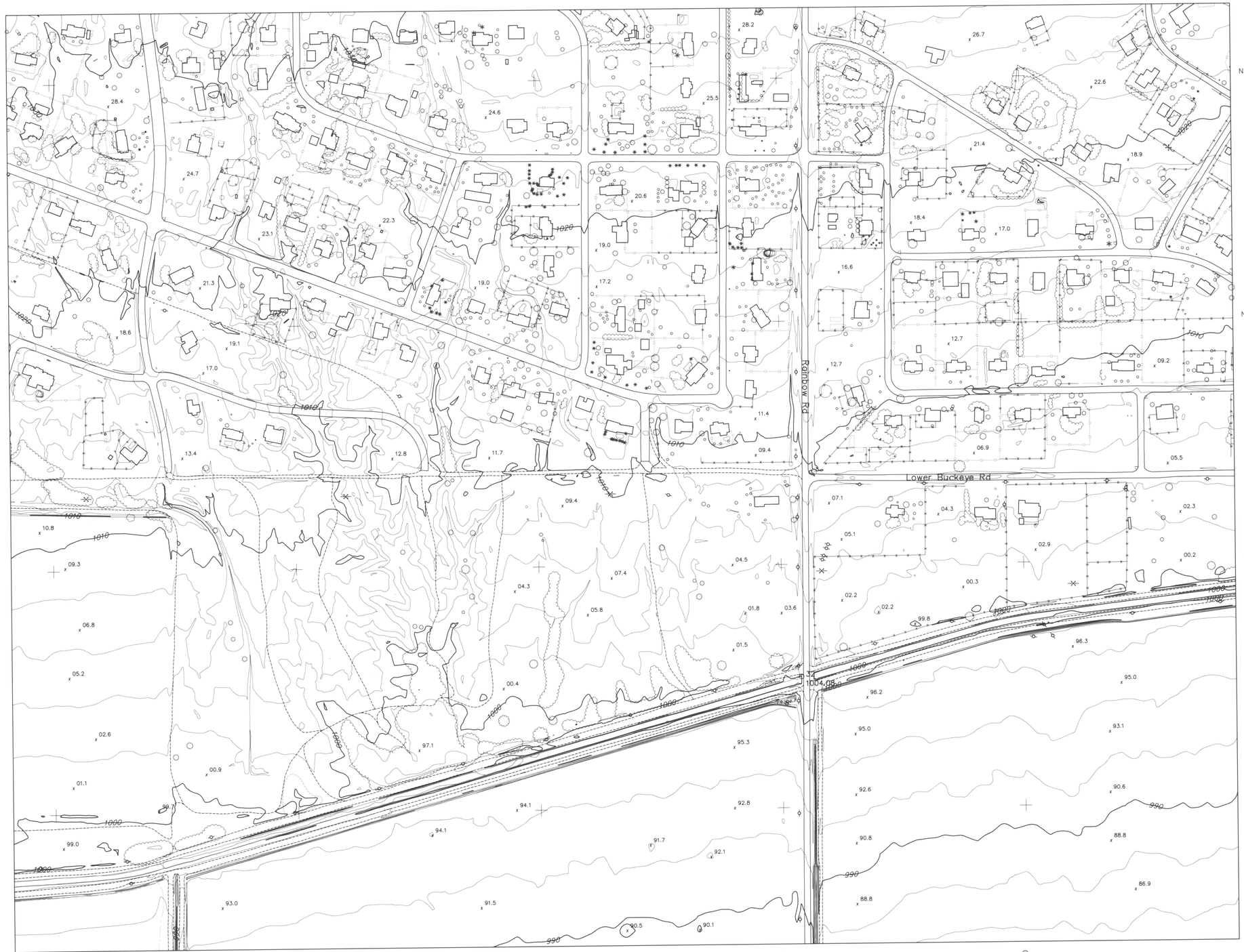
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 70 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

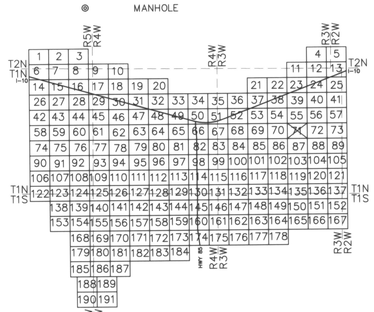
BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
33513
BYRON E.
JOHNSON

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Huitt-Zollars & Project Engineering Consultants.

12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

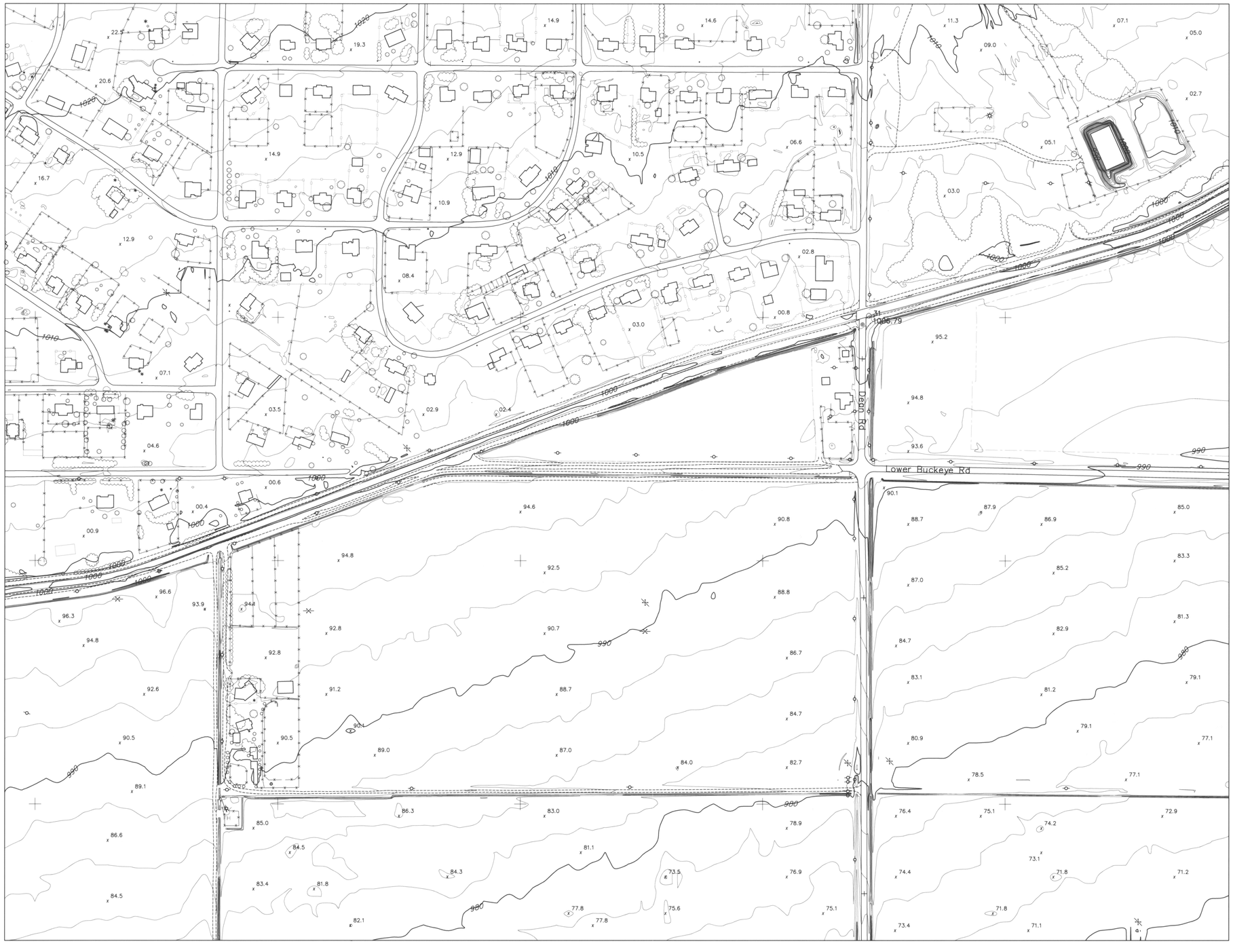
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 71 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
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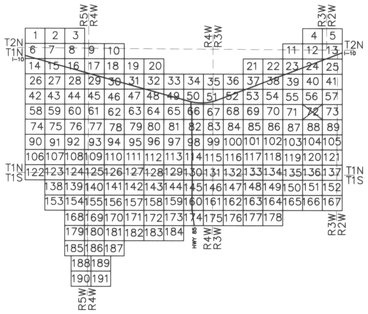

SCALE: 1" = 200'
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ARIZONA LAND SURVEYOR 33313 BYRON E. JOHNSON

12-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK	–	–
PLANS	–	–
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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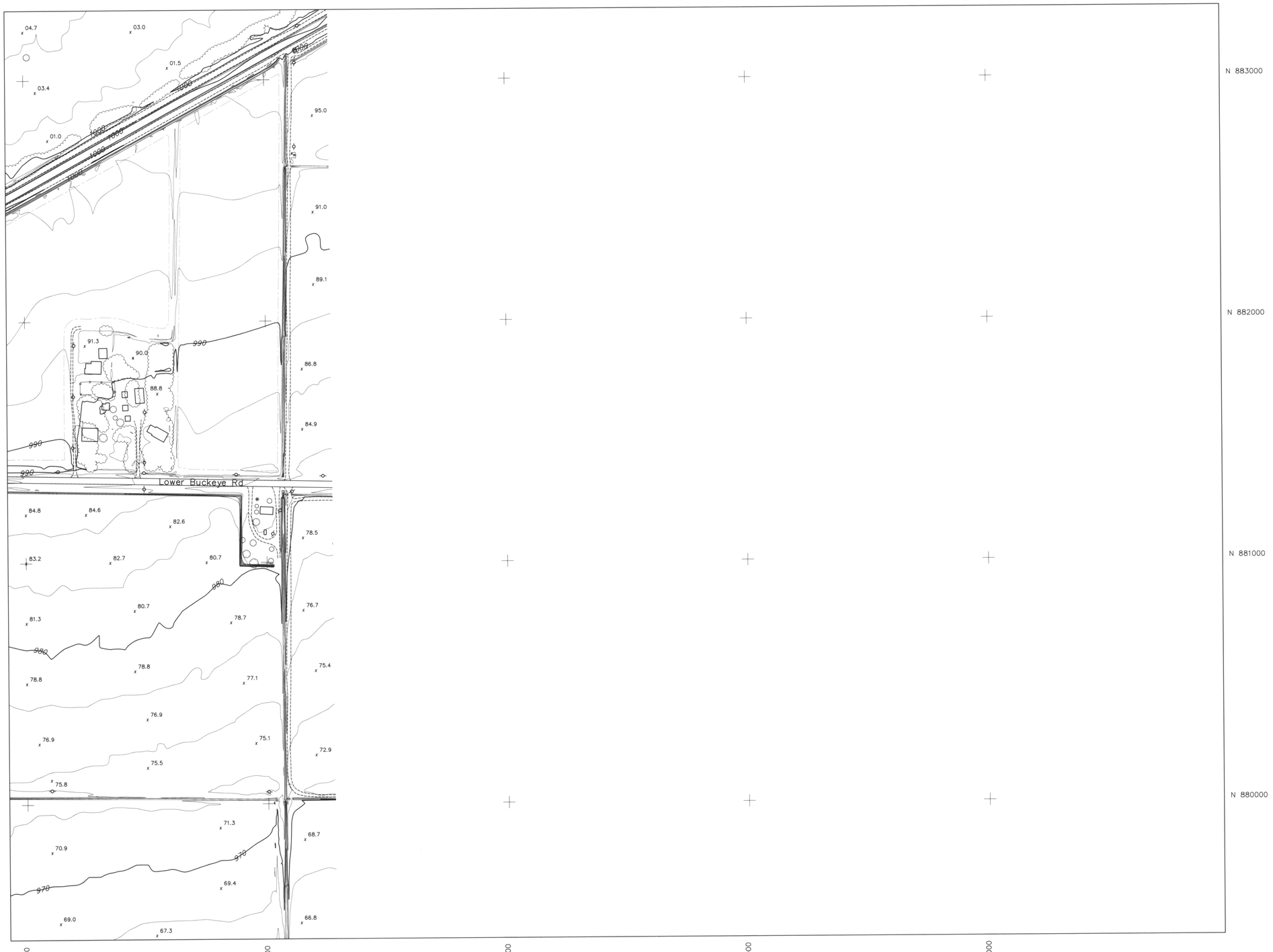
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 72 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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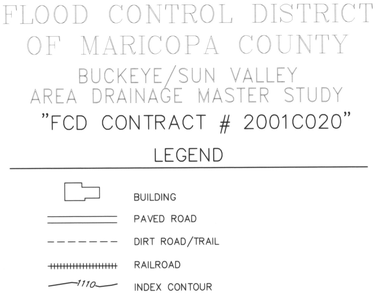

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BYRON E. KENNEY 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK.	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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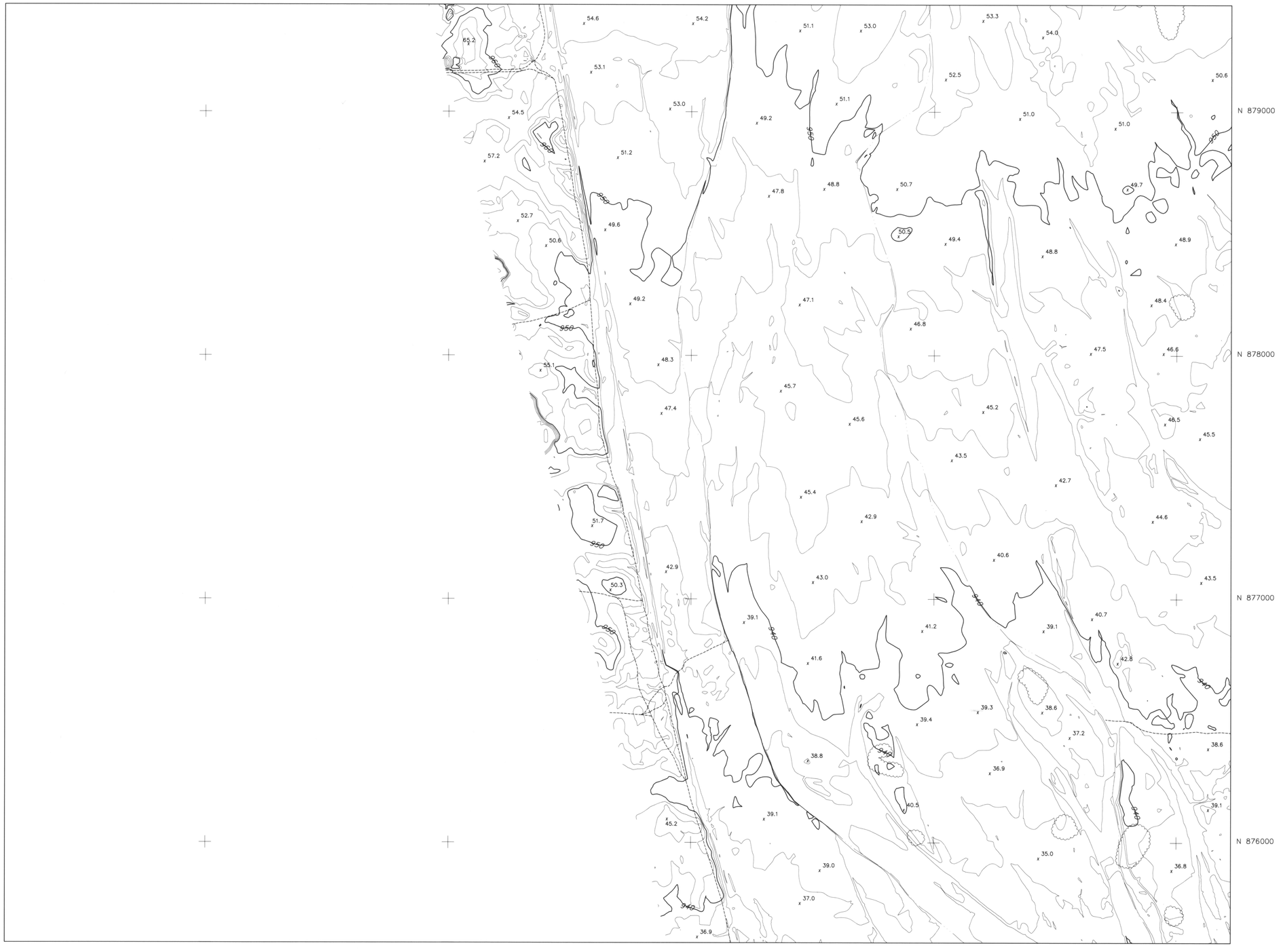
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 73 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

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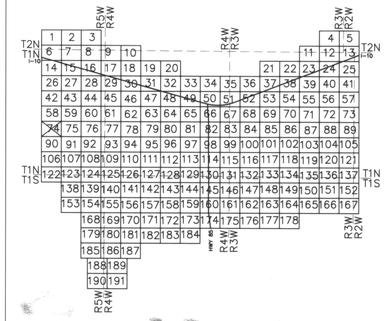

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BYRON E. JOHNSON 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

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FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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SHEET 74 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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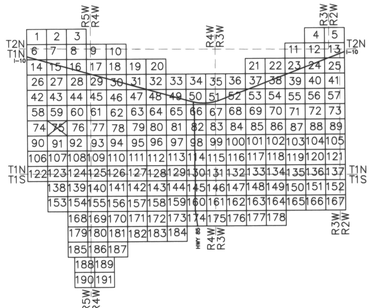

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BYRON E. [illegible]
7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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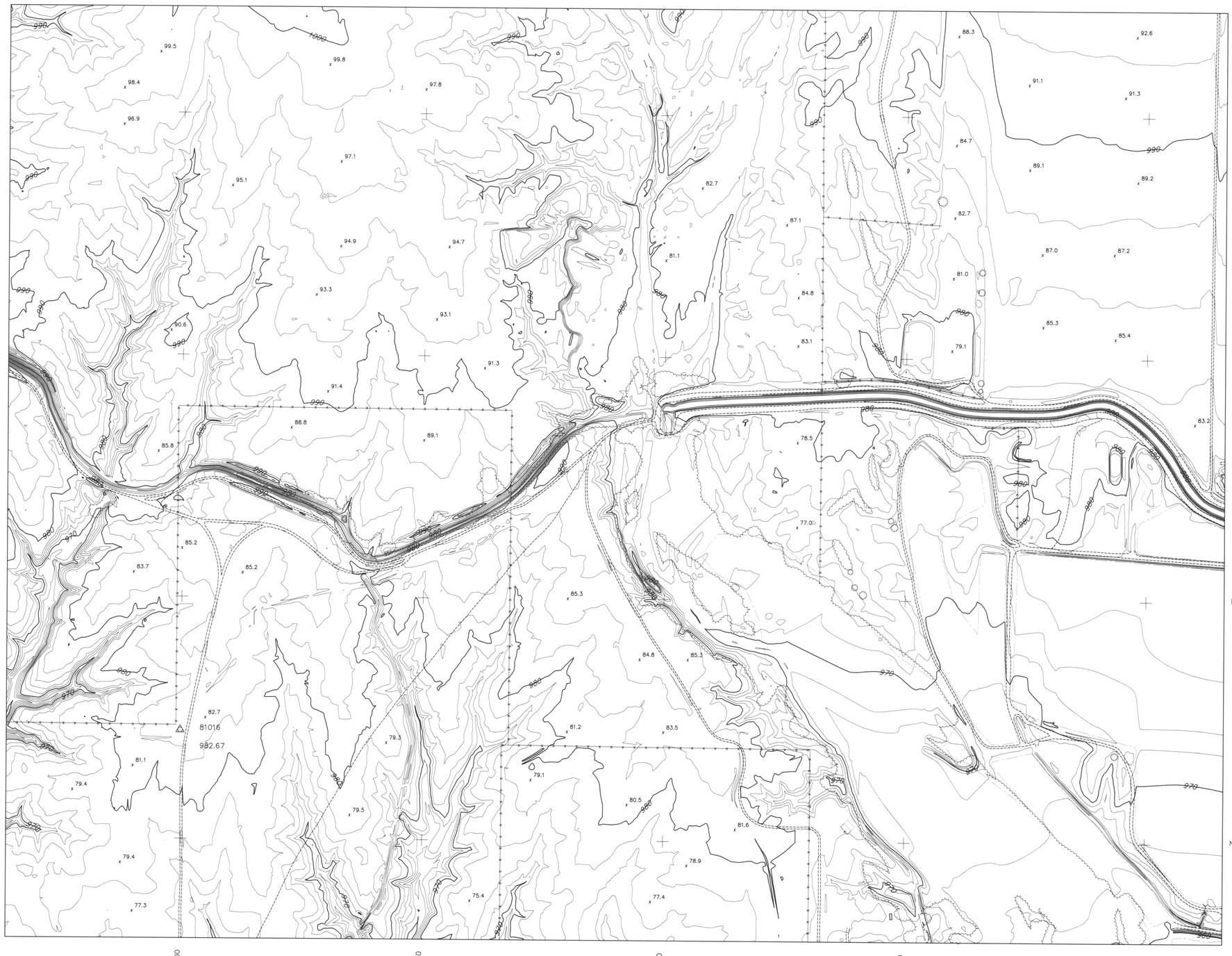
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 75 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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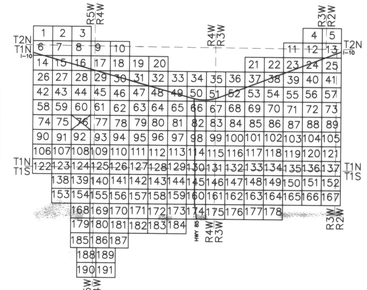

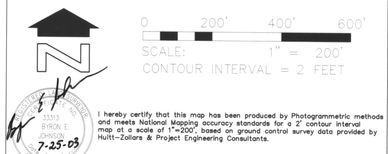

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Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN. CHK.	–	–
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PLANS CHK.	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 76 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
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- TRAFFIC SIGNAL
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- POLE
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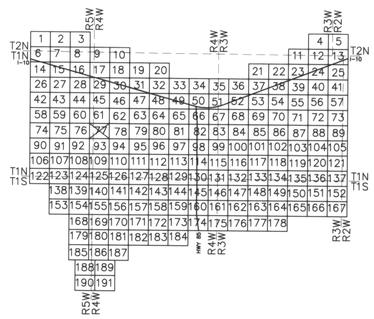
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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33313 BYRON E. JOHNSON Registered Professional Engineer ARIZONA U.S.A. 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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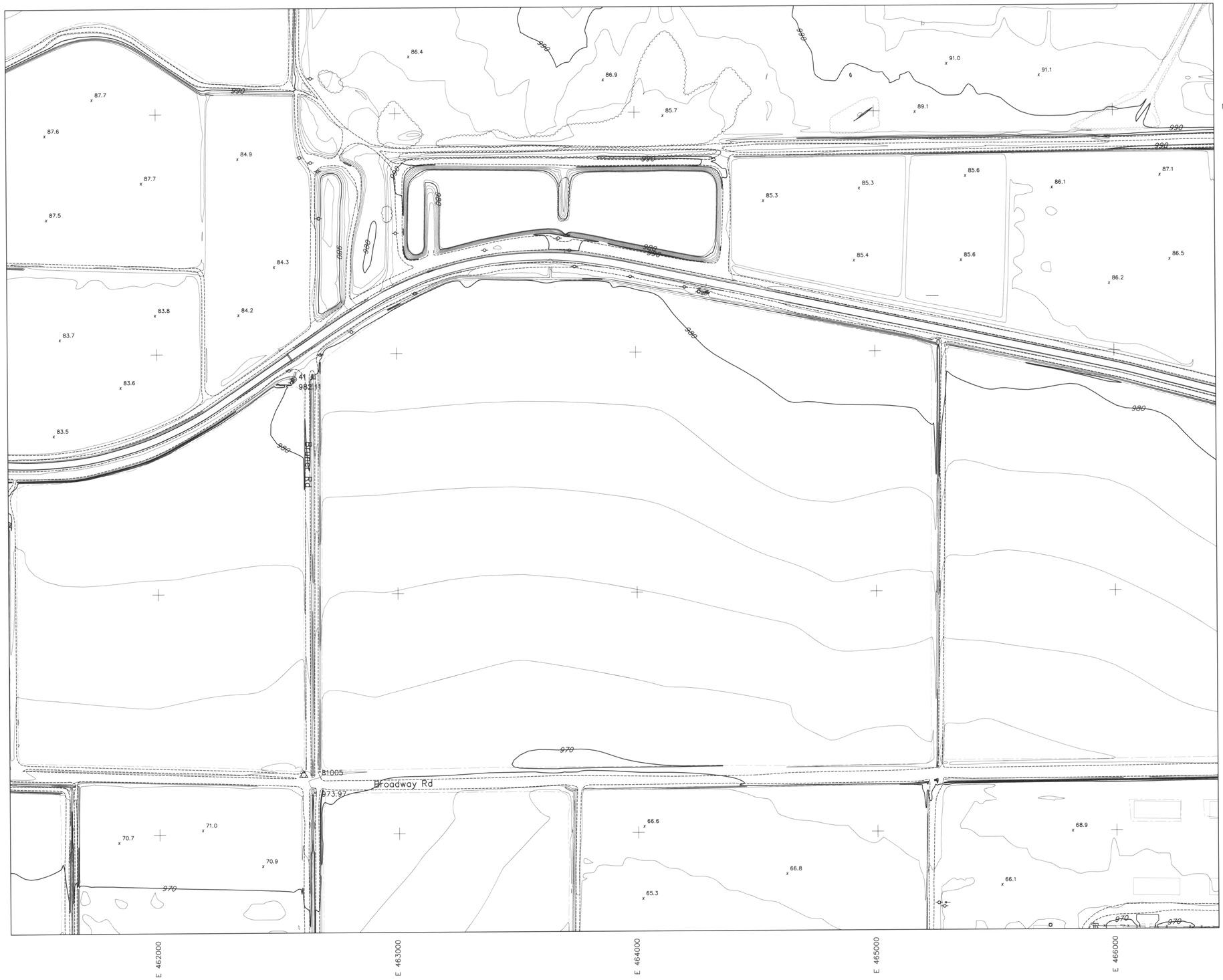
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 77 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

- BUILDING
- PAVED ROAD
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- RAILROAD
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- INTERMEDIATE CONTOUR
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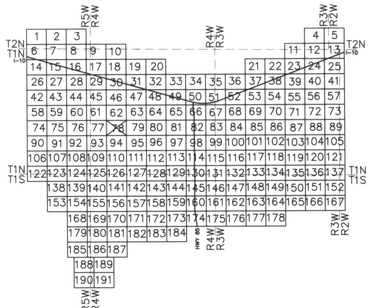

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33313 BYRON E. JOHNSON 7-25-03 REGISTERED LAND SURVEYOR ARIZONA

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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SHEET 78 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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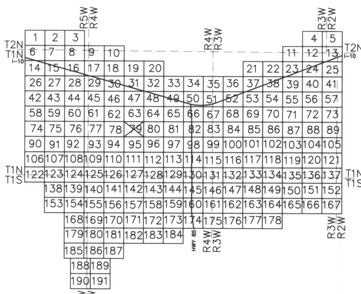

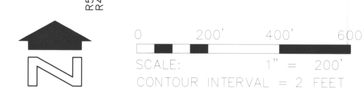

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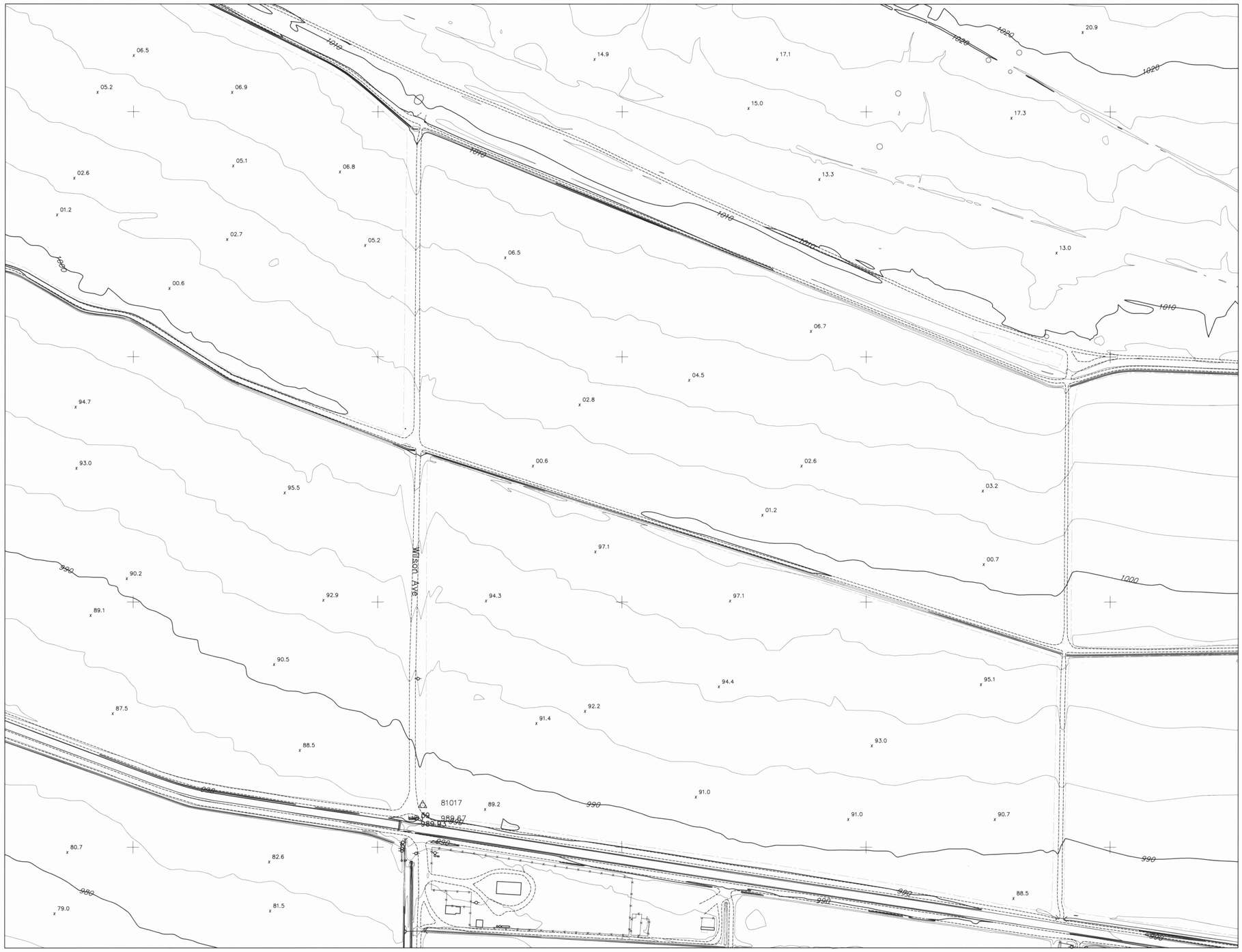

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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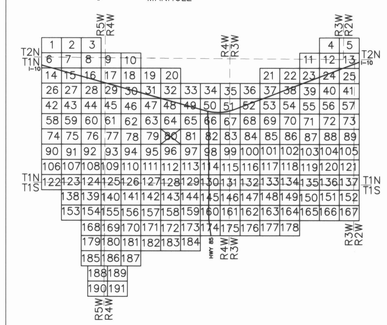

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7-25-03

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 80 OF 191

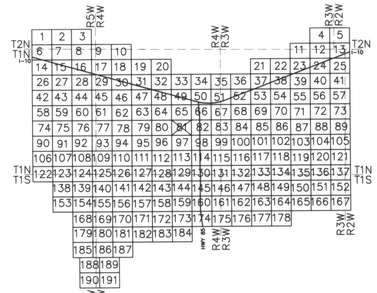
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR (1110)
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION (21.4)
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT (FH)
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE (V)
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

BYRON E. JOHNSTON 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

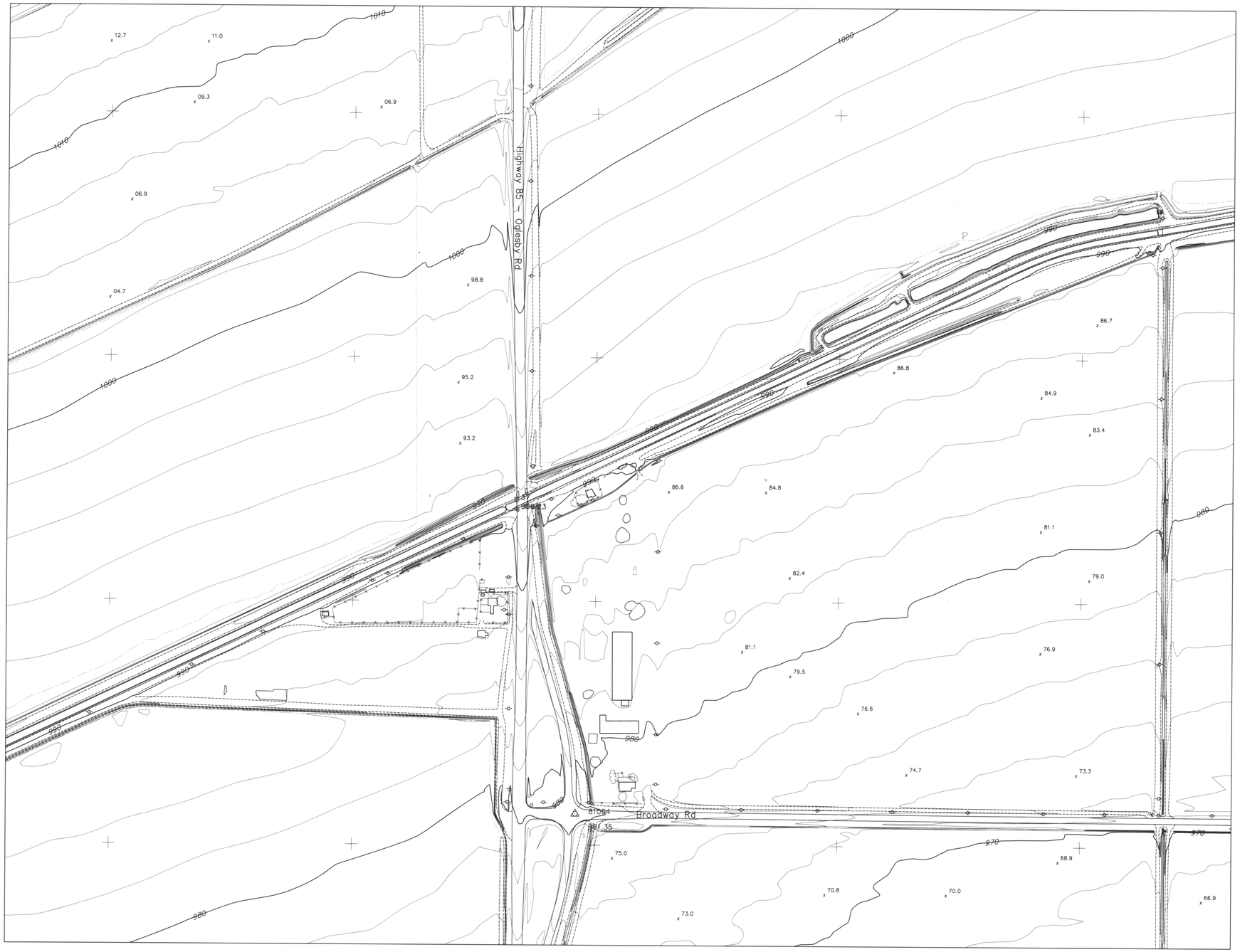
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 81 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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- FLAG
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- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
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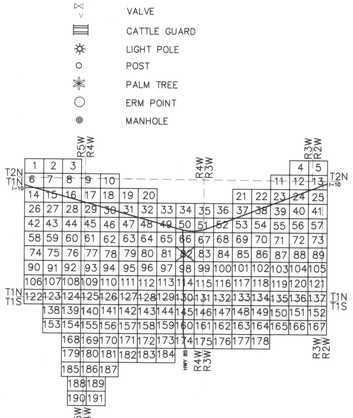

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13313 BYRON E JOHNSON REGISTERED LAND SURVEYOR

7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS	–	–
PLANS CHK	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET: 82 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- x 21.4 SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
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- TRAFFIC SIGNAL
- CATCH BASIN
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- POLE
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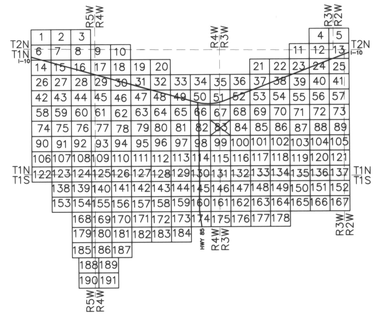
- FH FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- V VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



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BYRON E. JOHNSON 33313 REGISTERED LAND SURVEYOR Signature's Date 7-25-03 STATE OF ARIZONA

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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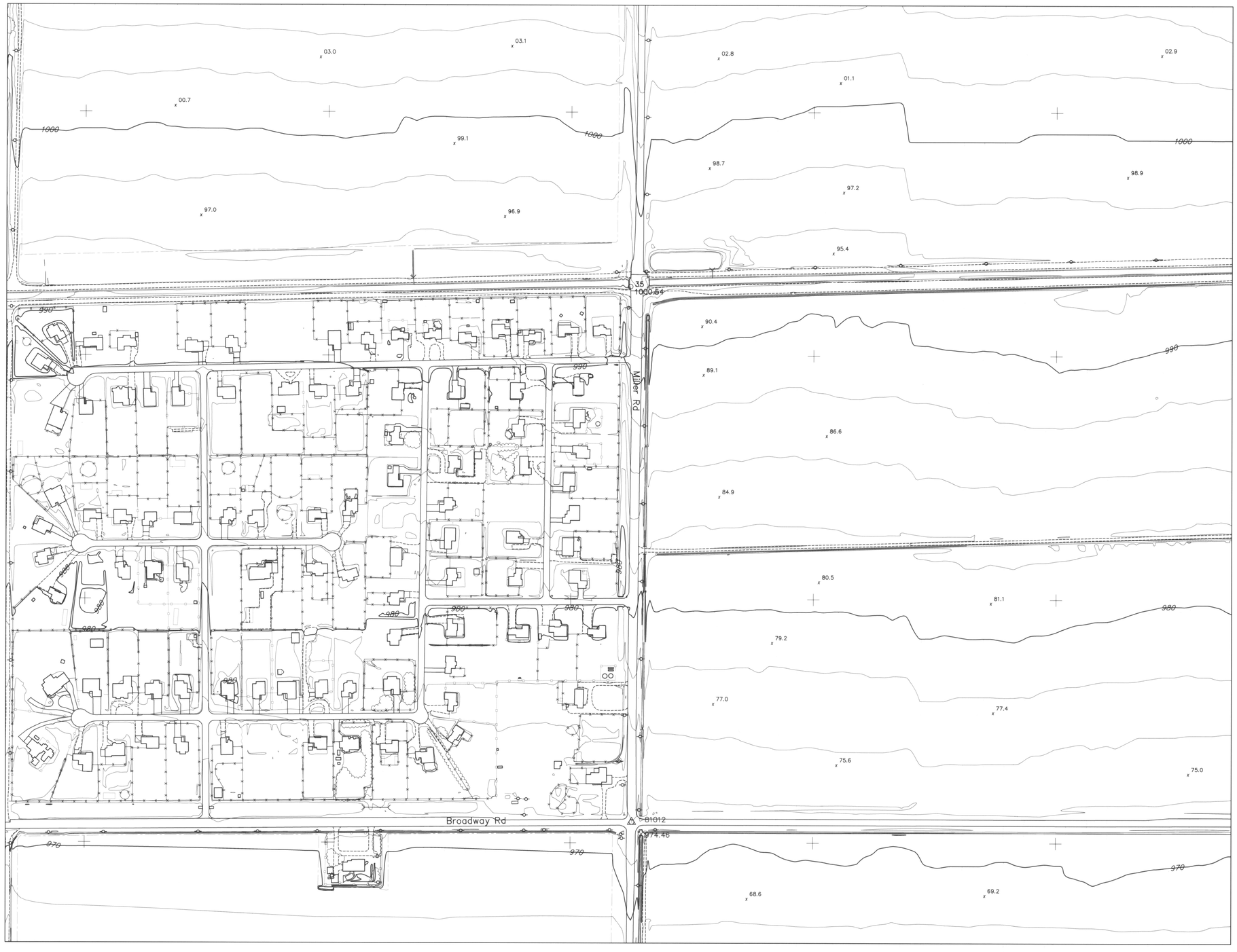
APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 83 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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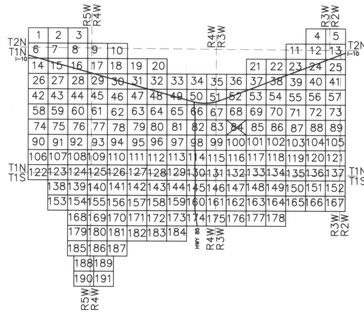

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SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON

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12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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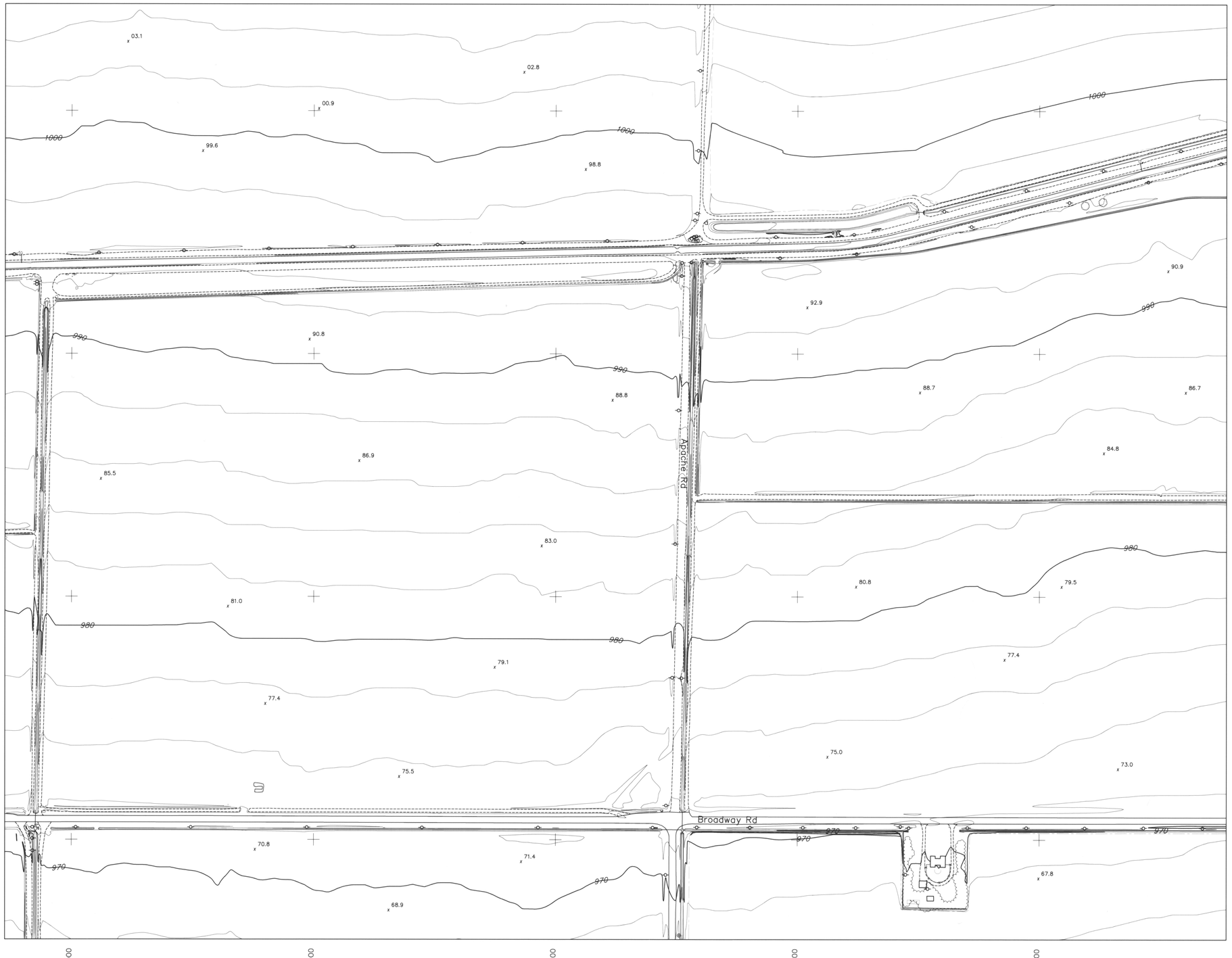
APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 84 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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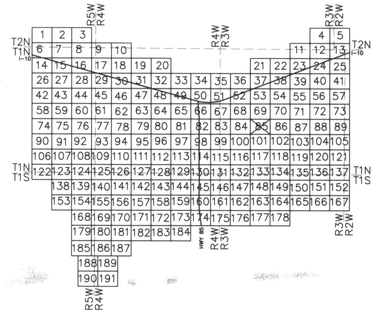

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33313 BYRON E. OHRN Registered Professional Engineer ARIZONA 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK	–	–

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 85 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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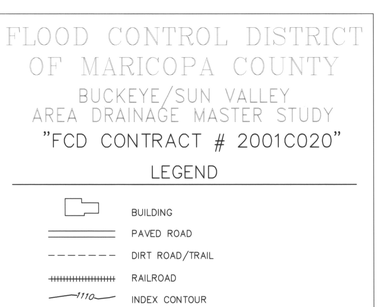

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BYRON E. [illegible] 7-25-03

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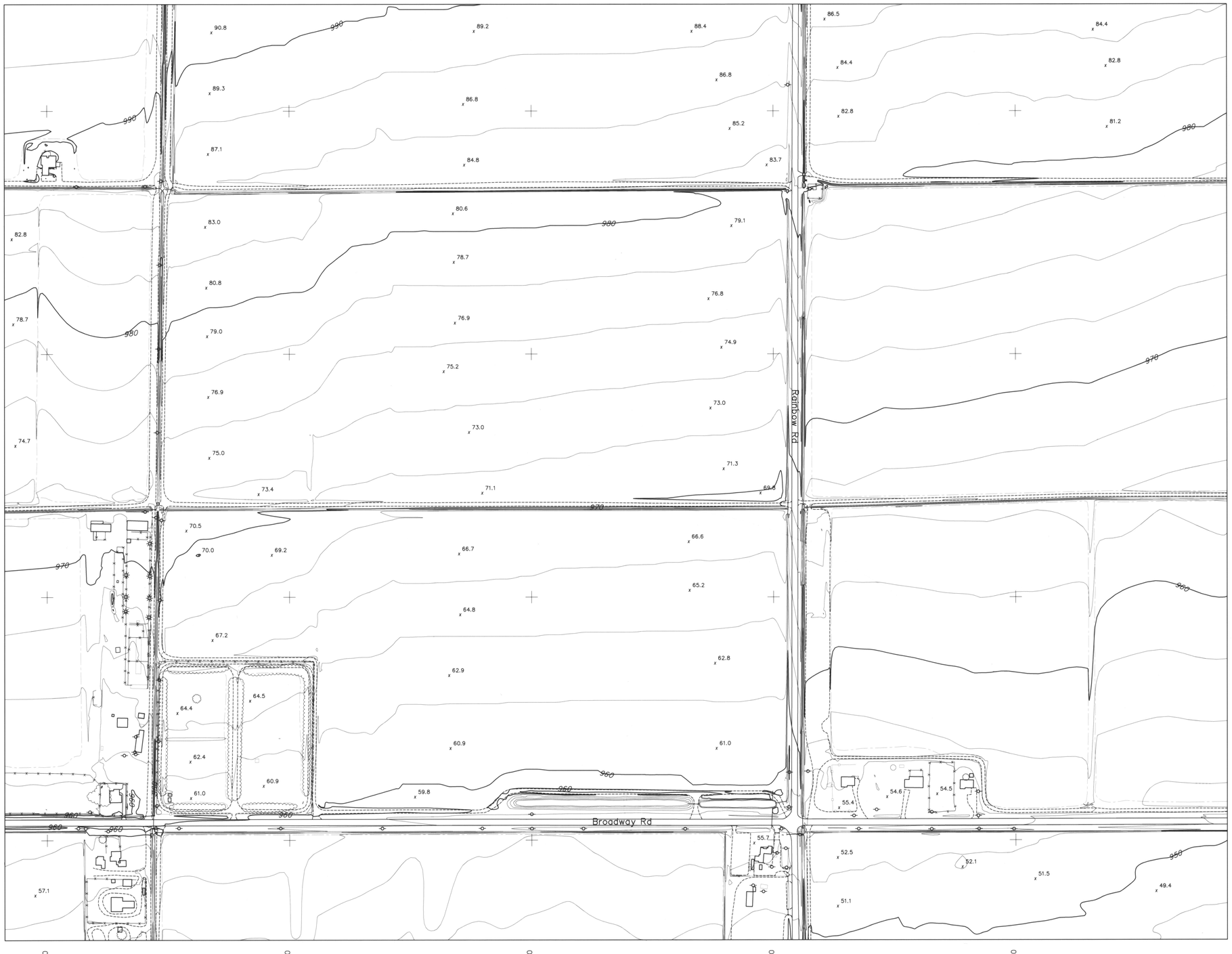
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 86 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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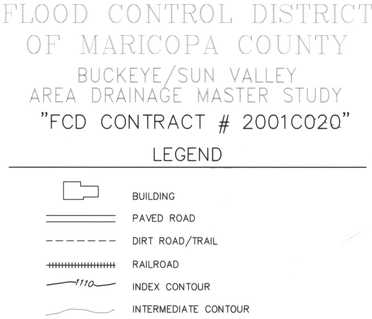

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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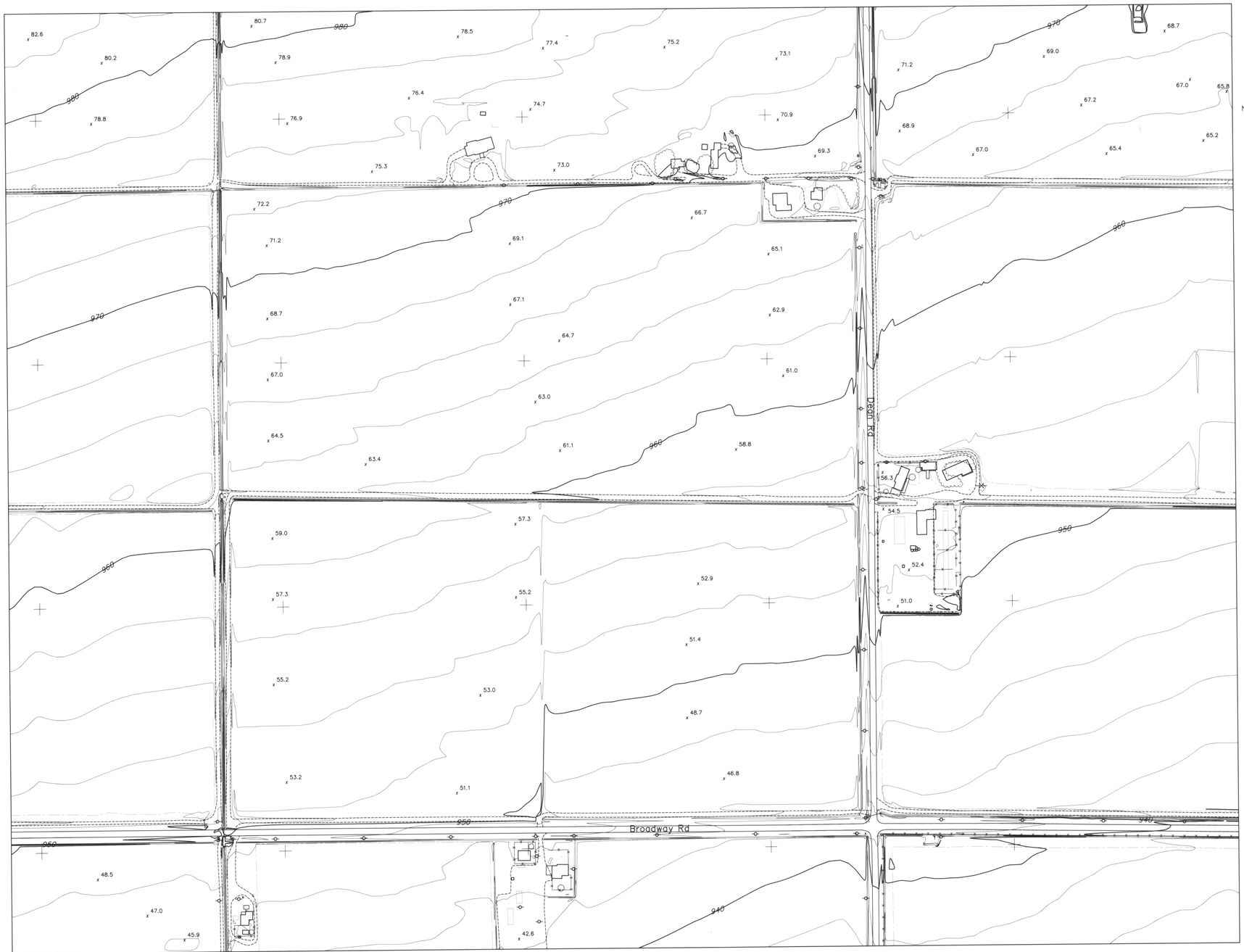
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 87 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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BYRON E. JOHNSON 13813 REGISTERED LAND SURVEYOR

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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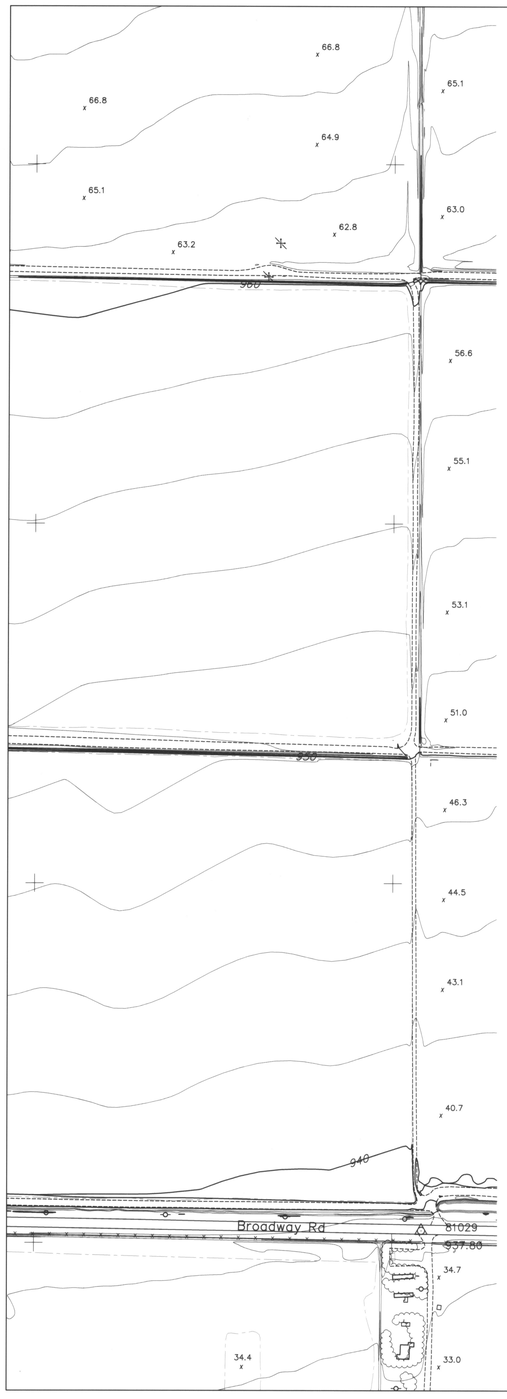
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 88 OF 191



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N 877000

N 876000

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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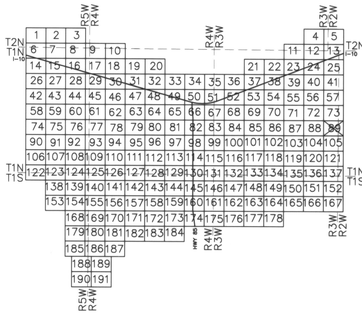

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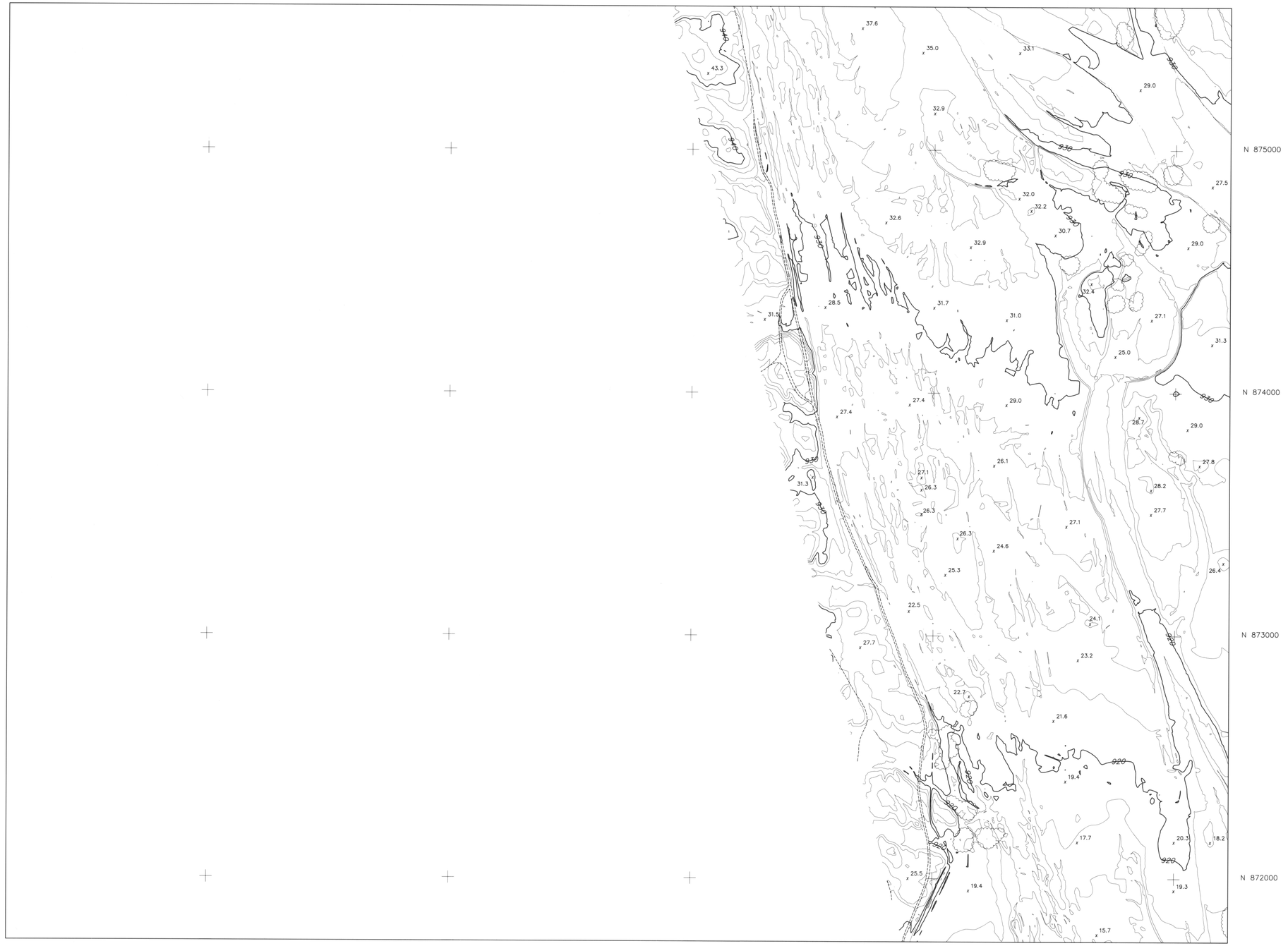
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 89 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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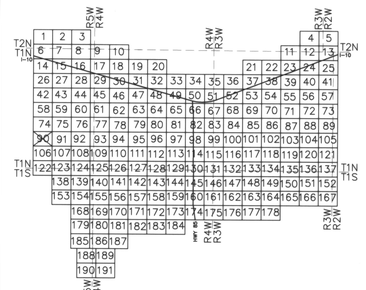

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33313 BYRON E. JOHNSON REGISTERED LAND SURVEYOR

7-29-03

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FLOWN BY: KENNEY AERIAL MAPPING INC.

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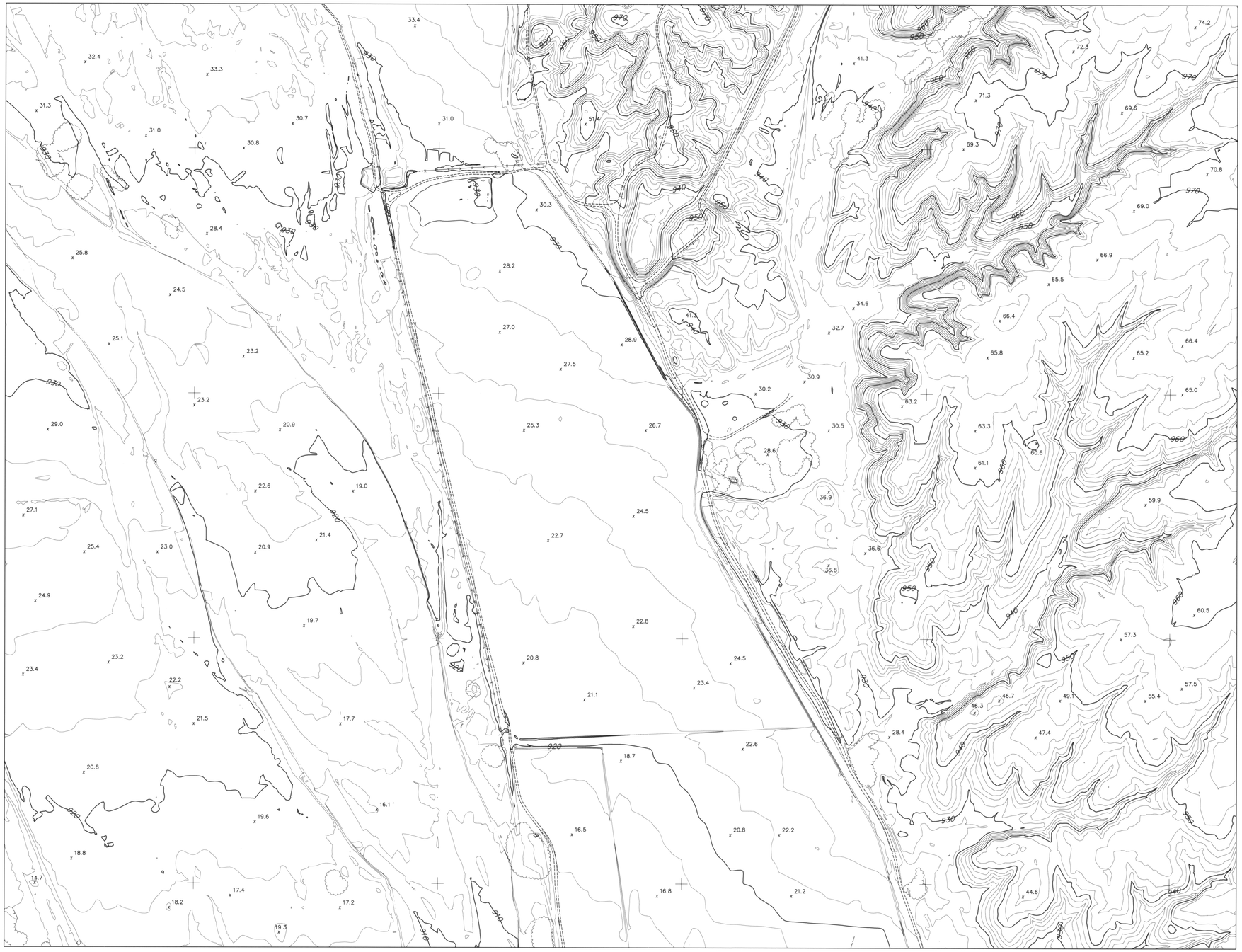
SHEET 90 OF 191



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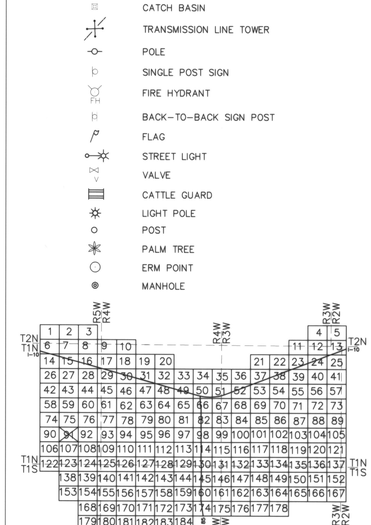
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Huitt-Zollars & Project Engineering Consultants.

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY:	DATE
DESIGN:	–	–
DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: DATE:

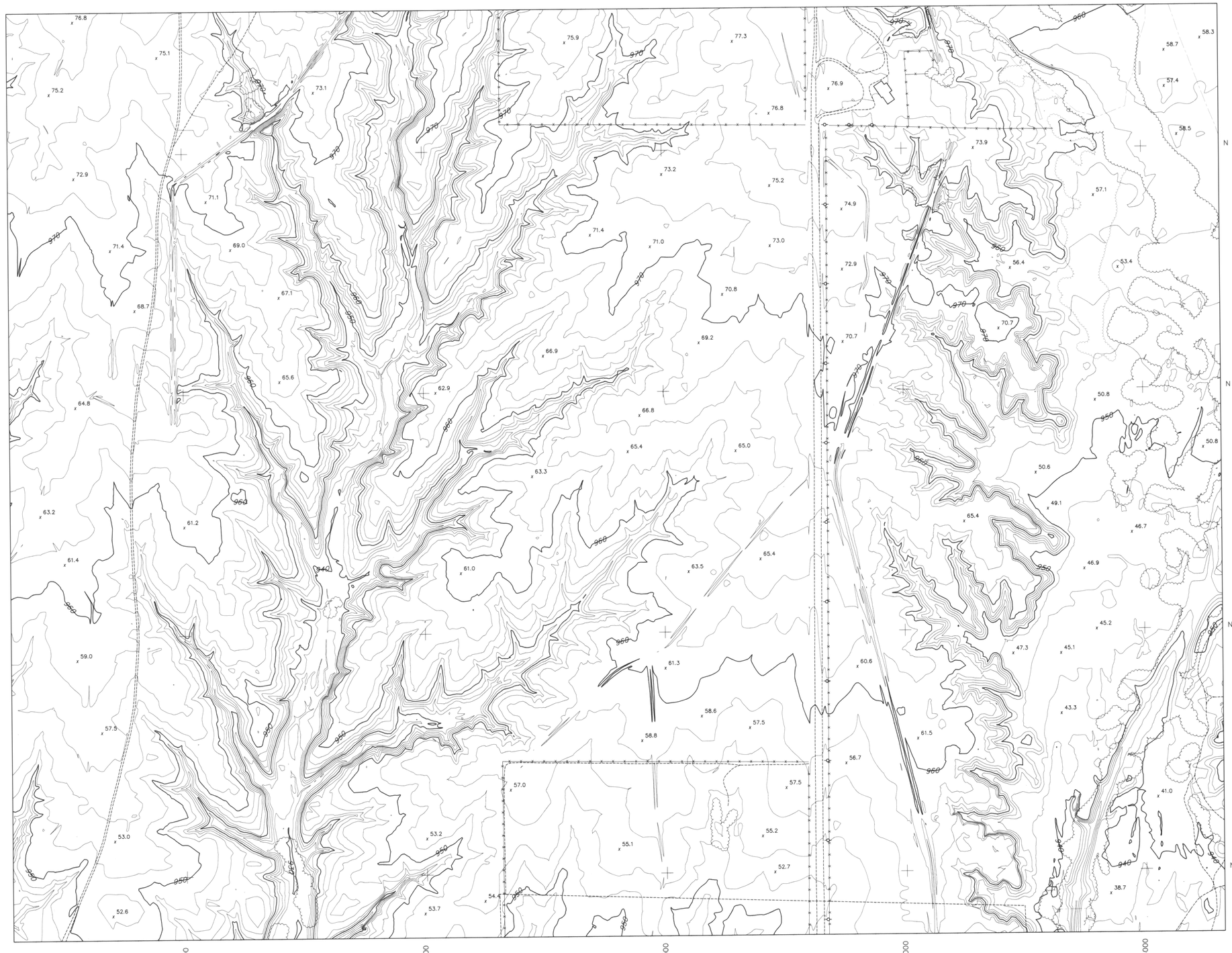
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 91 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
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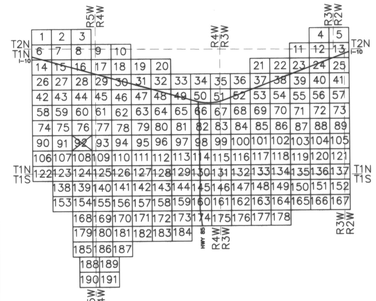

N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

12-21-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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SUBMITTED BY: DATE:

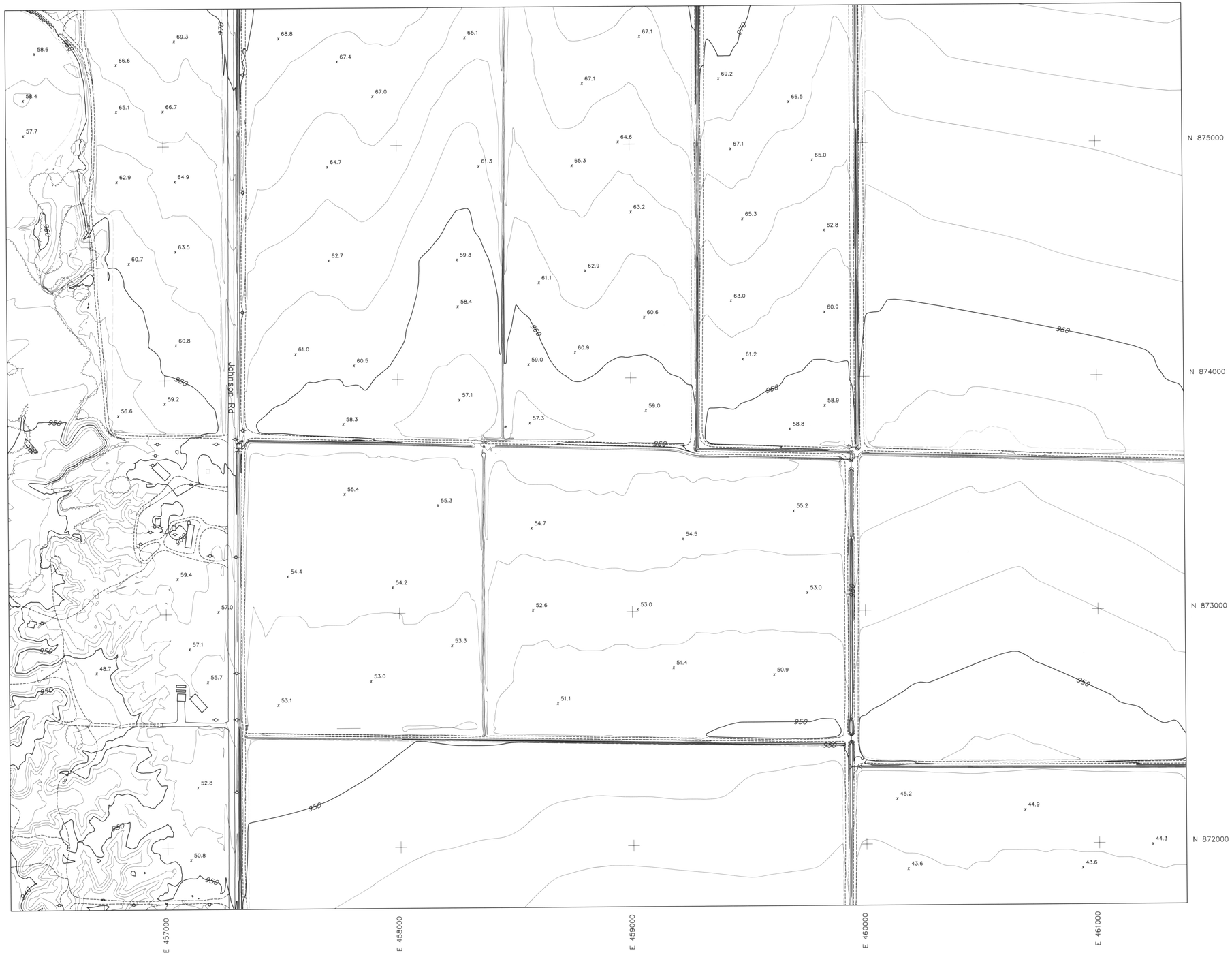
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 92 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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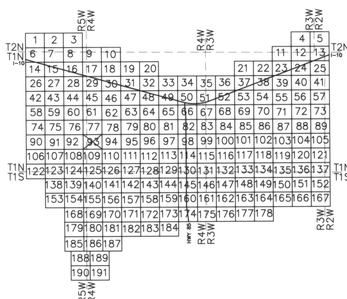

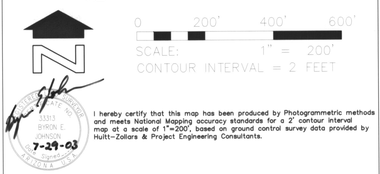

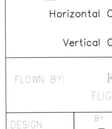

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Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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SUBMITTED BY: DATE:

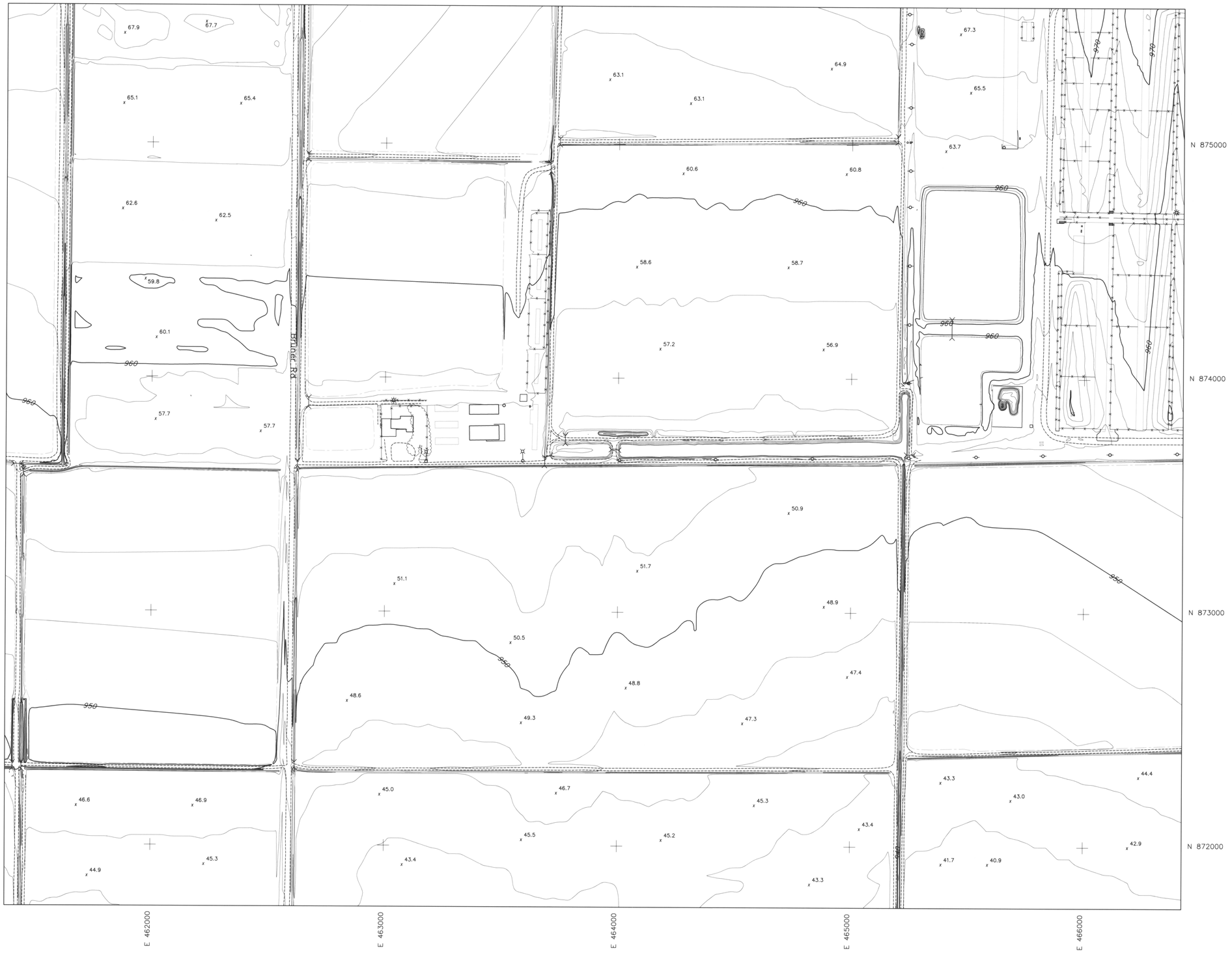
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 93 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
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- DIRT ROAD/TRAIL
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- INDEX CONTOUR
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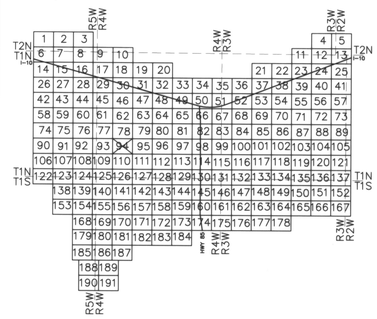

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SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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33313 BYRON E. JOHNSON Signed only for this sheet

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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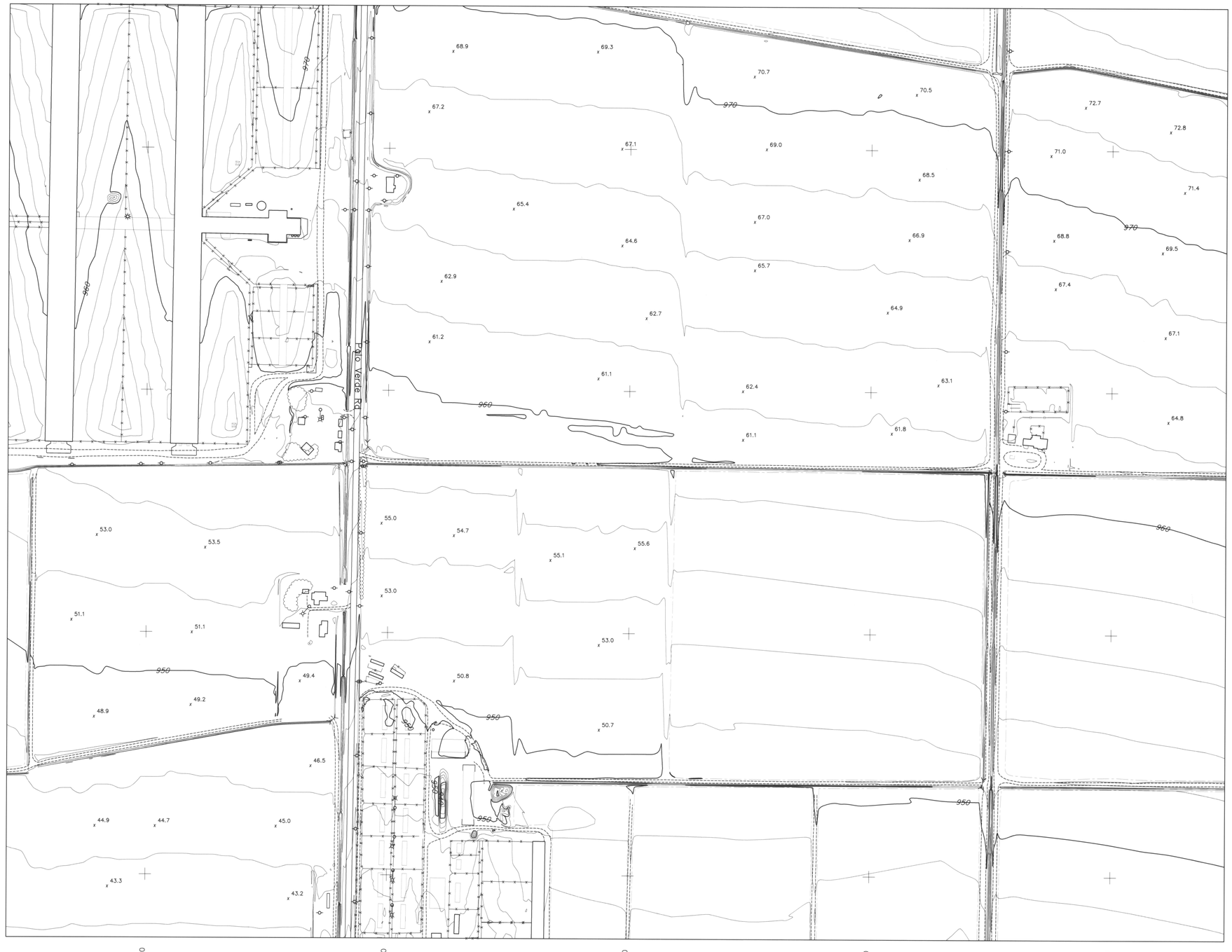
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 94 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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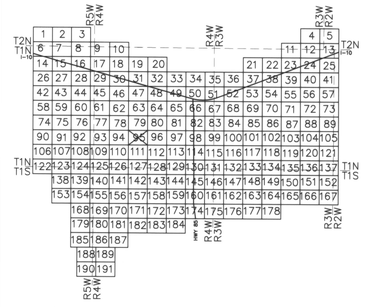

N

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13313 BYRON E. OWSON 7-29-03 Registered Professional Engineer

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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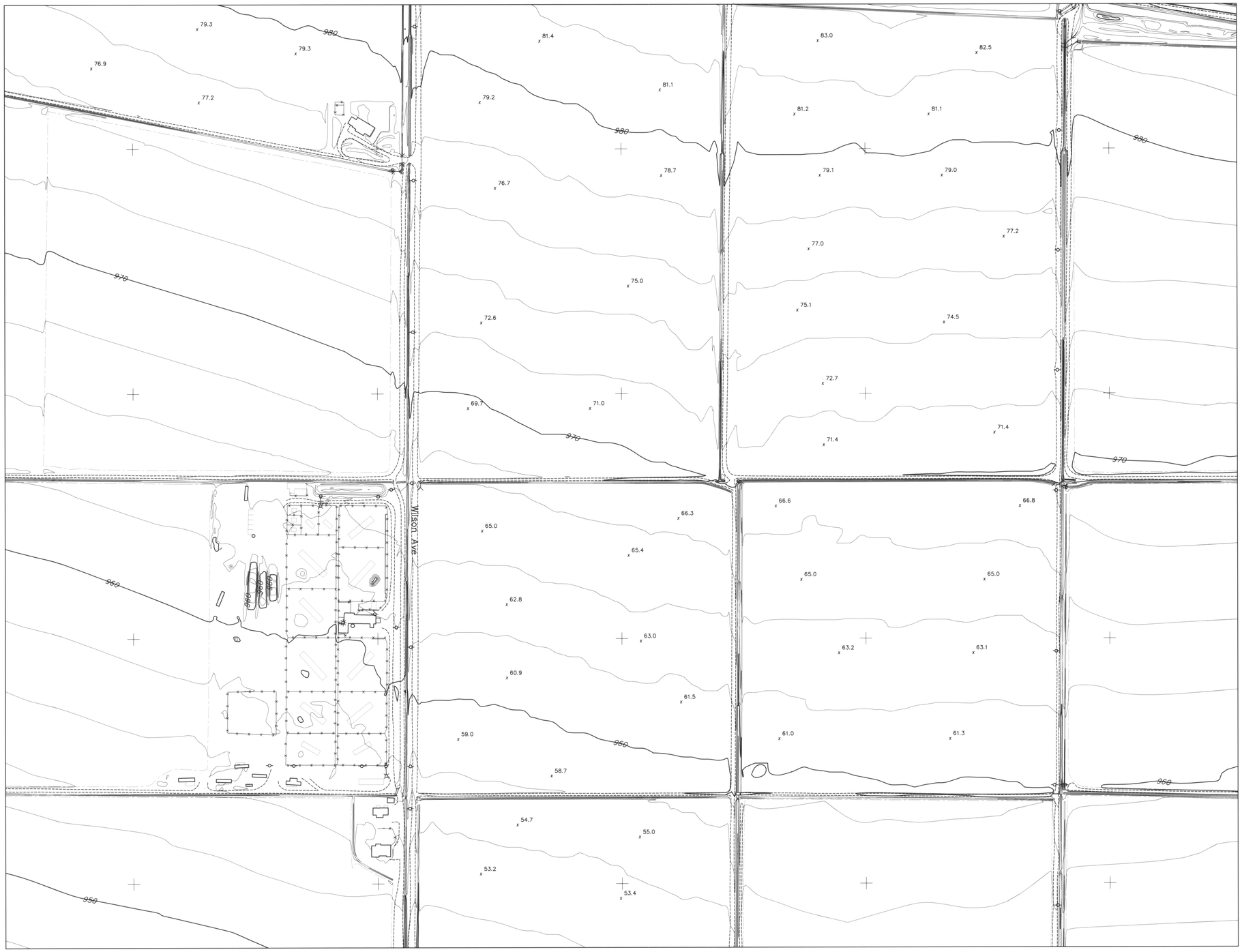
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 95 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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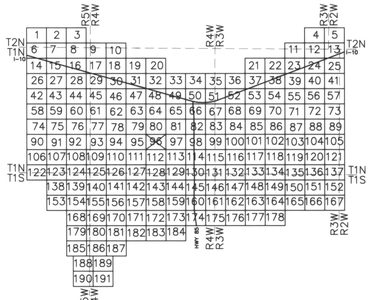

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BYRON E. STAHLE 33313 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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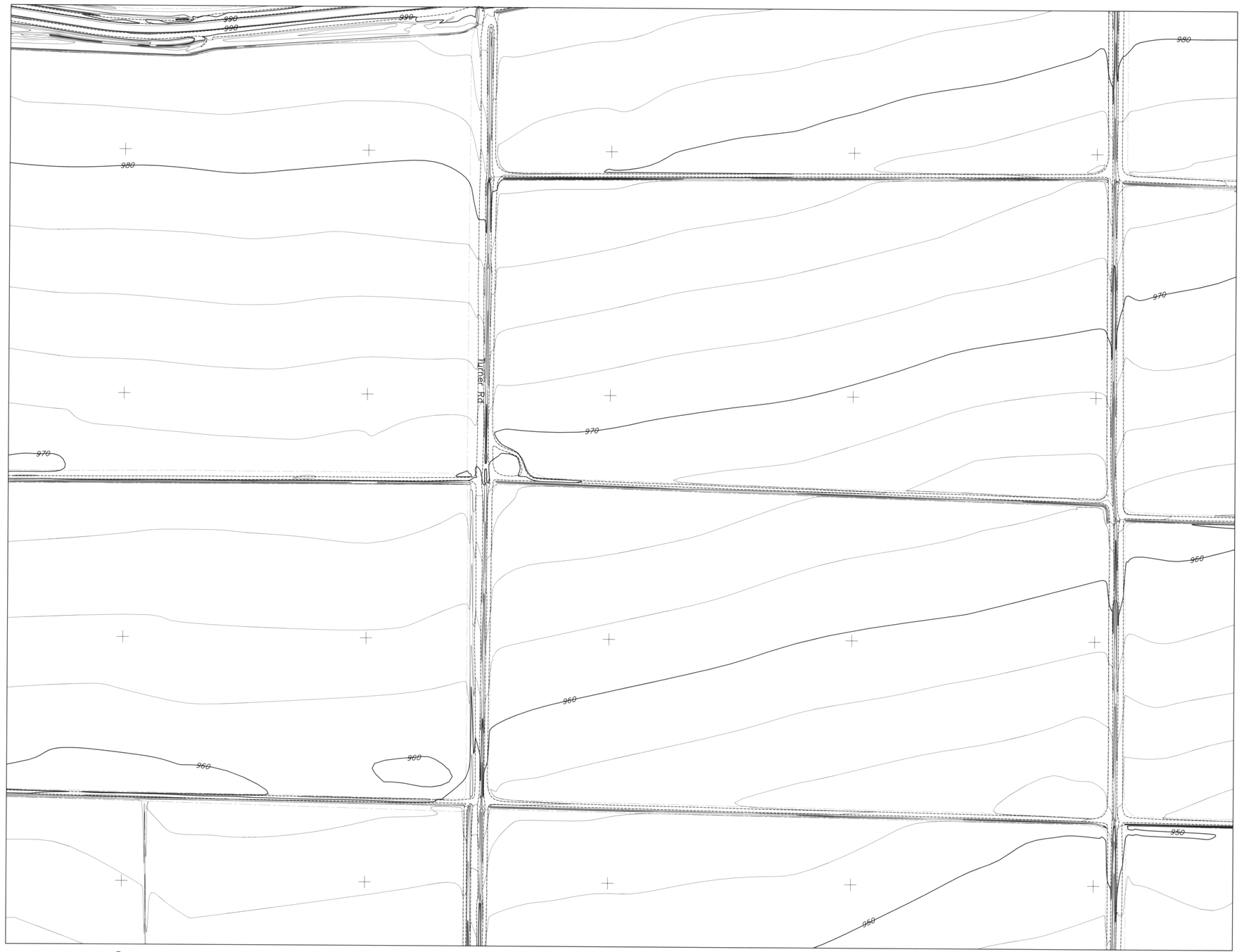
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 96 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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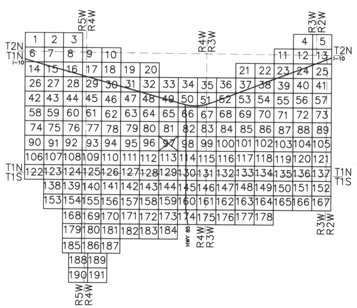

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BYRON E. BUSH 13213 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK	–	–
PLANS	–	–
PLANS CHK	–	–

SUBMITTED BY: DATE:

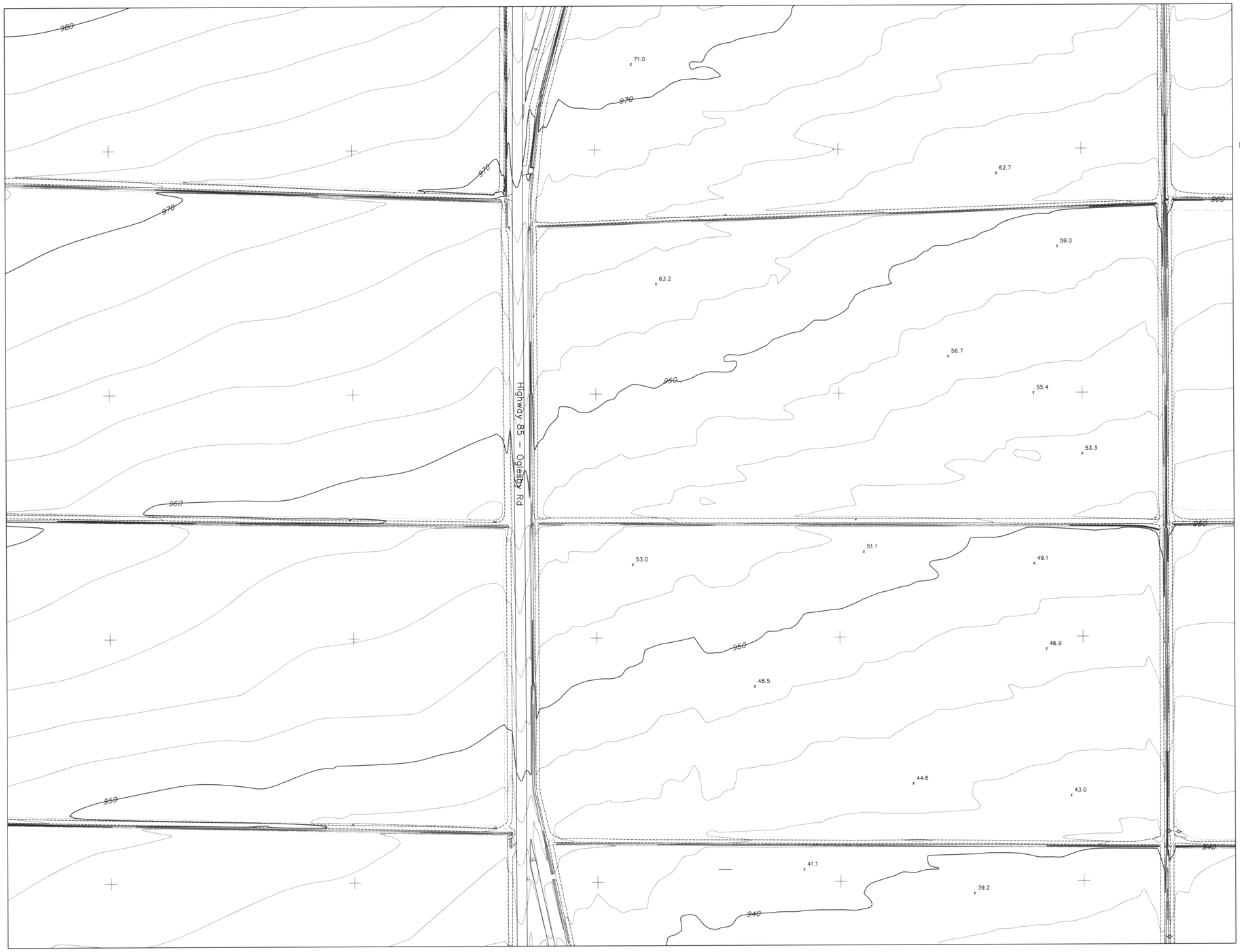
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 97 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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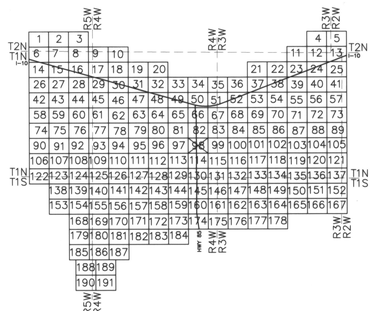

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33313 BYRON E. JONSON 7-29-03 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

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Vertical Control Datum: NAVD 88

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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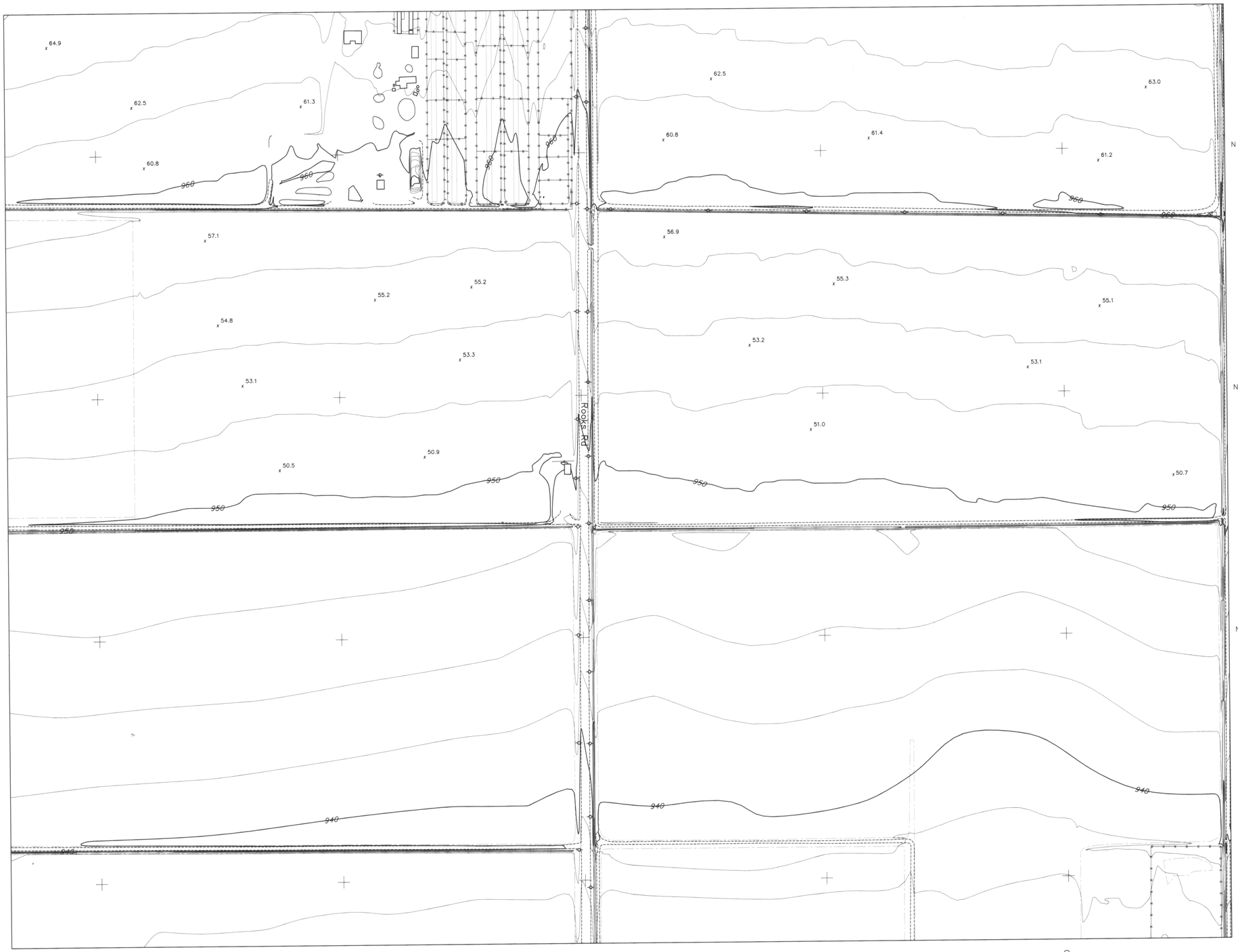
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 98 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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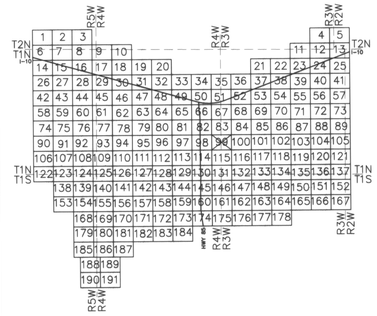

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CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON

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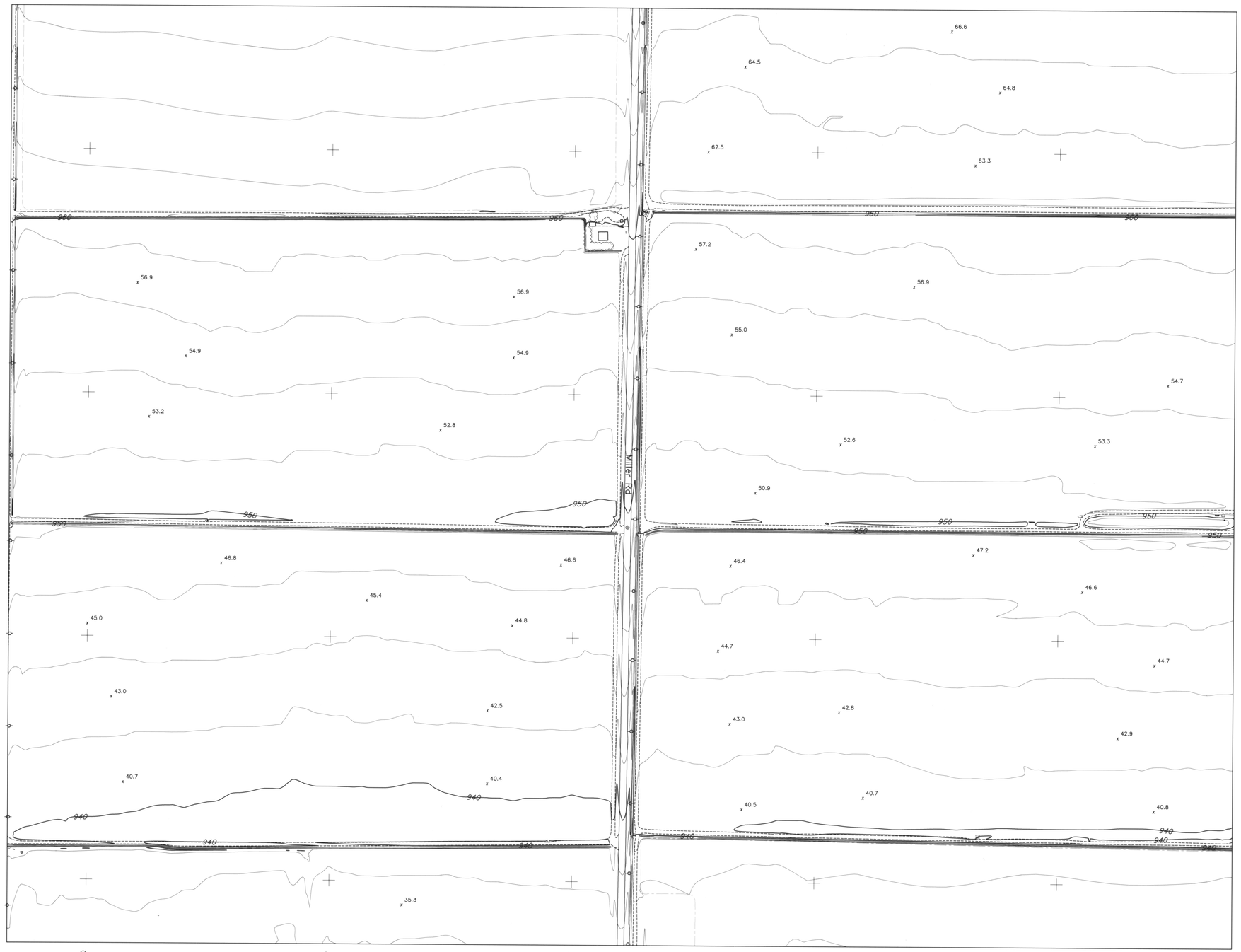
SHEET 99 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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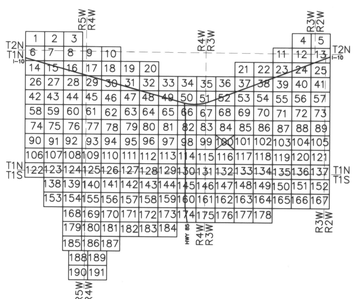
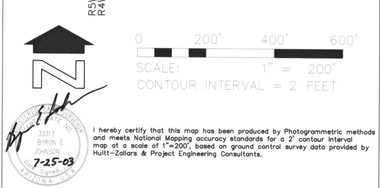




I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultt-Zollars & Project Engineering Consultants.

7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

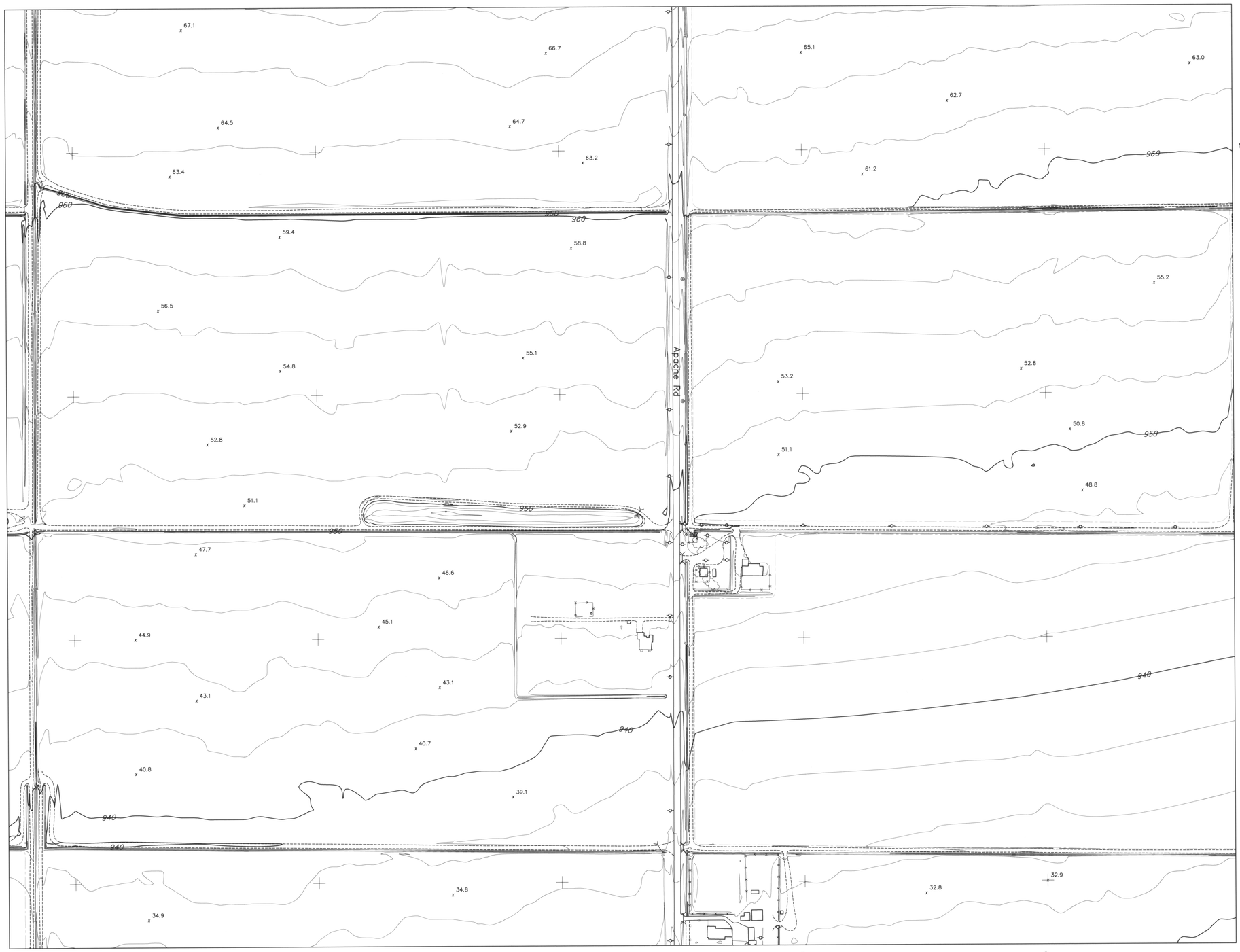
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 100 OF 191



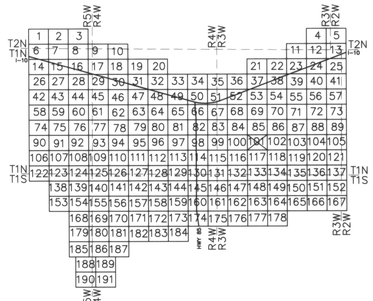
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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BYRON E. [illegible] 33513 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

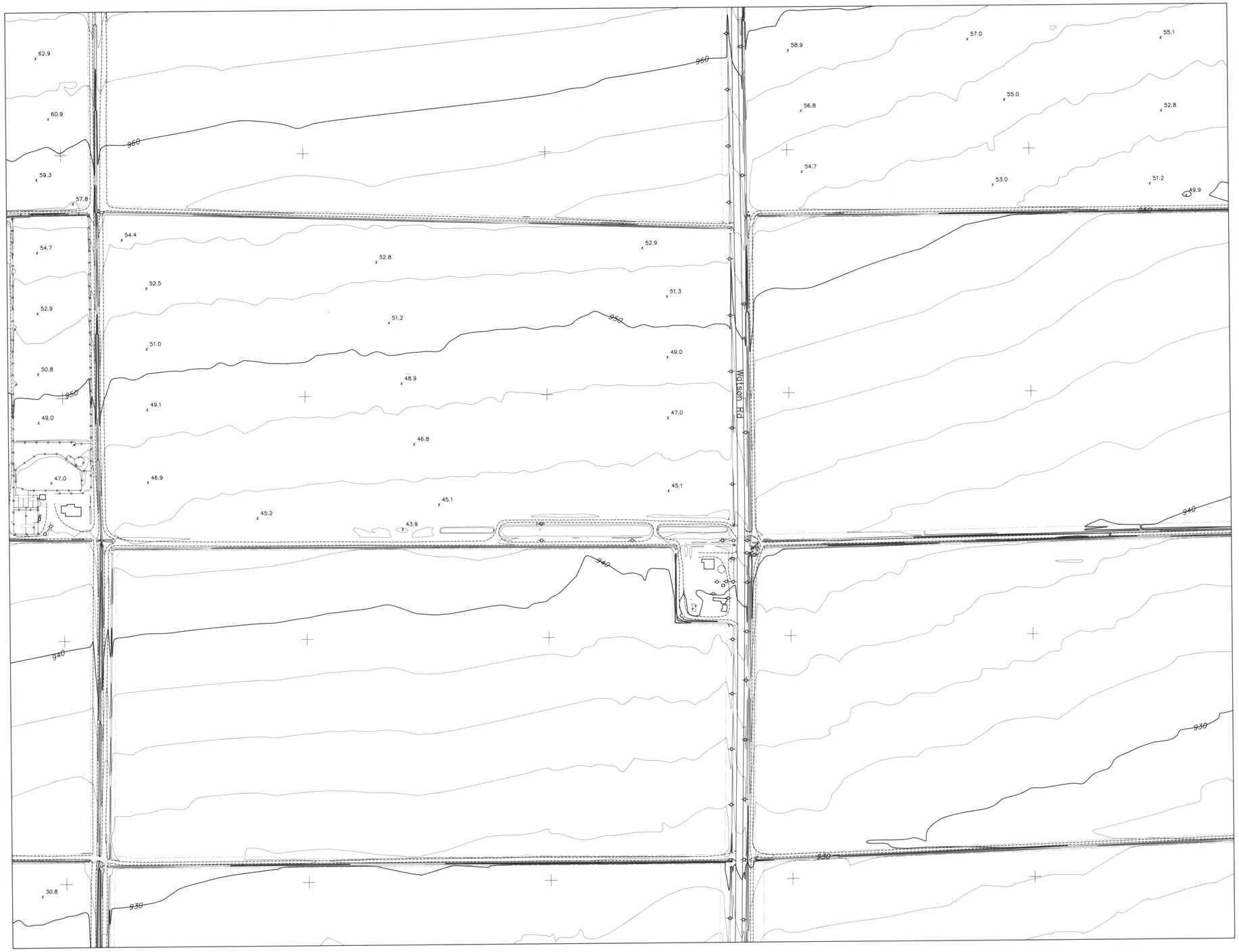
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 101 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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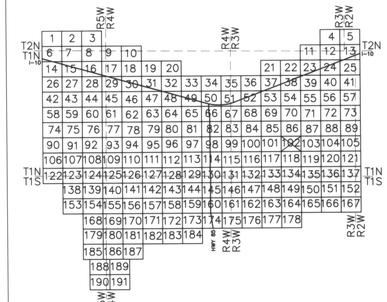

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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BYRON E. SIMS 13333 REGISTERED LAND SURVEYOR ARIZONA U.S.A. 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY	DATE
DESIGN:	–	–
DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 102 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
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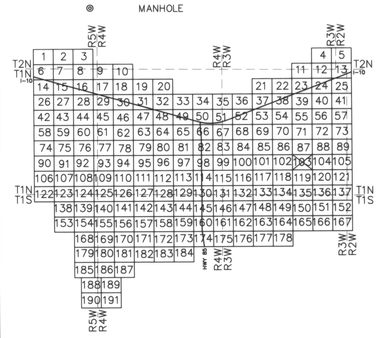

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SCALE: 1" = 200'

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BYRON E. 10313 PHOENIX, ARIZONA 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK	–	–

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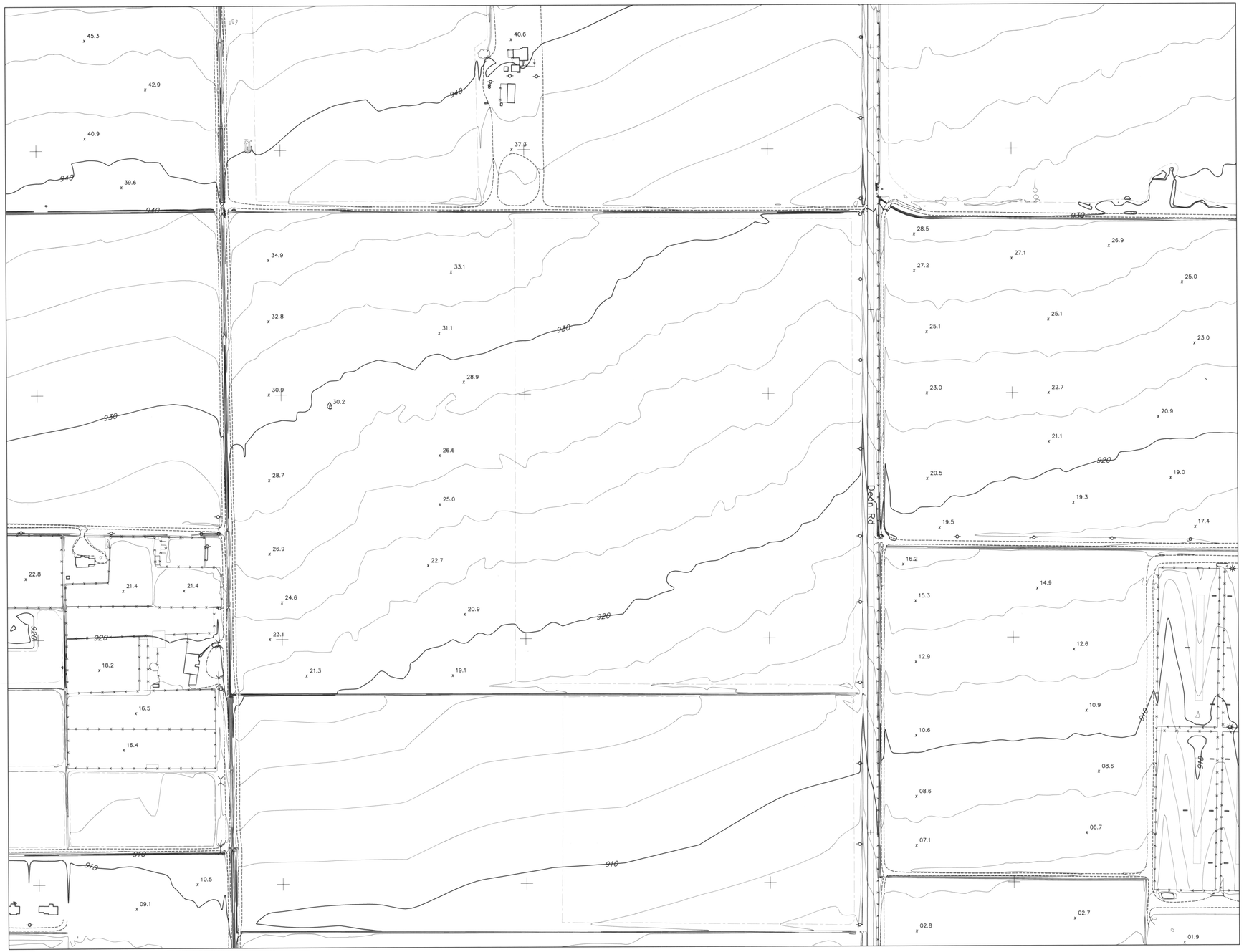
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 103 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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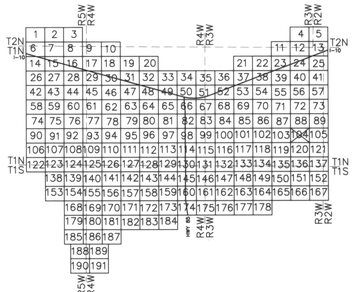

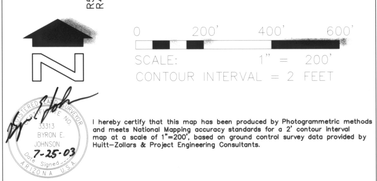

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BYRON E. JOHNSON 7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS CHK.	–	–

SUBMITTED BY: DATE:

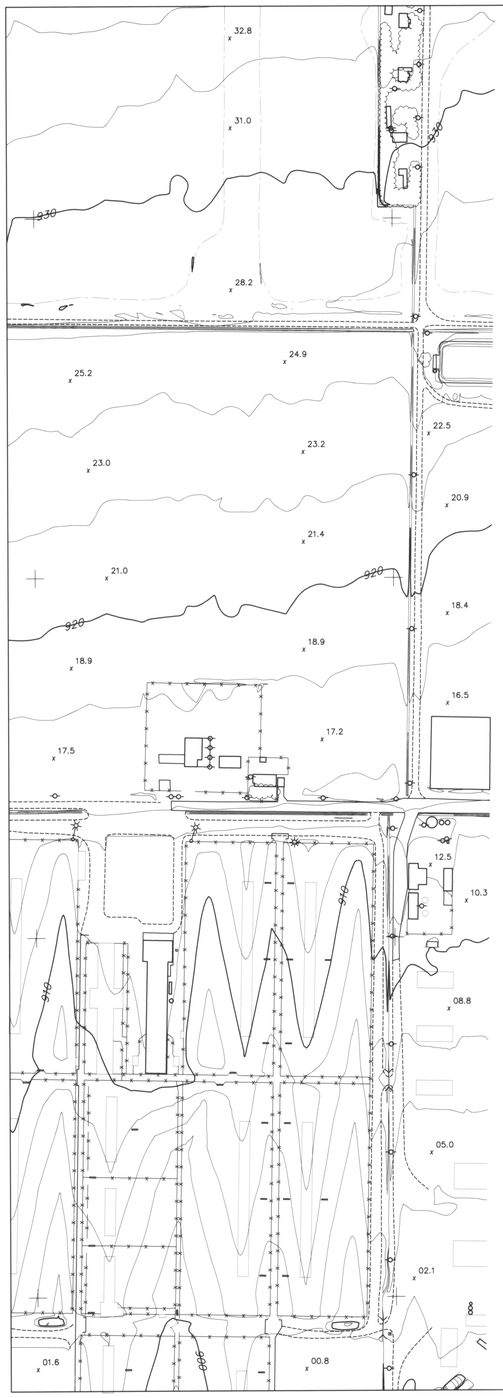
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 104 OF 191



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N 872000

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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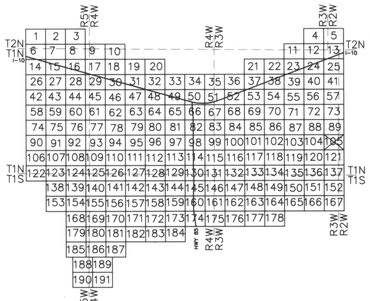

N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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BYRON E. [illegible] 33513 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

7-25-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

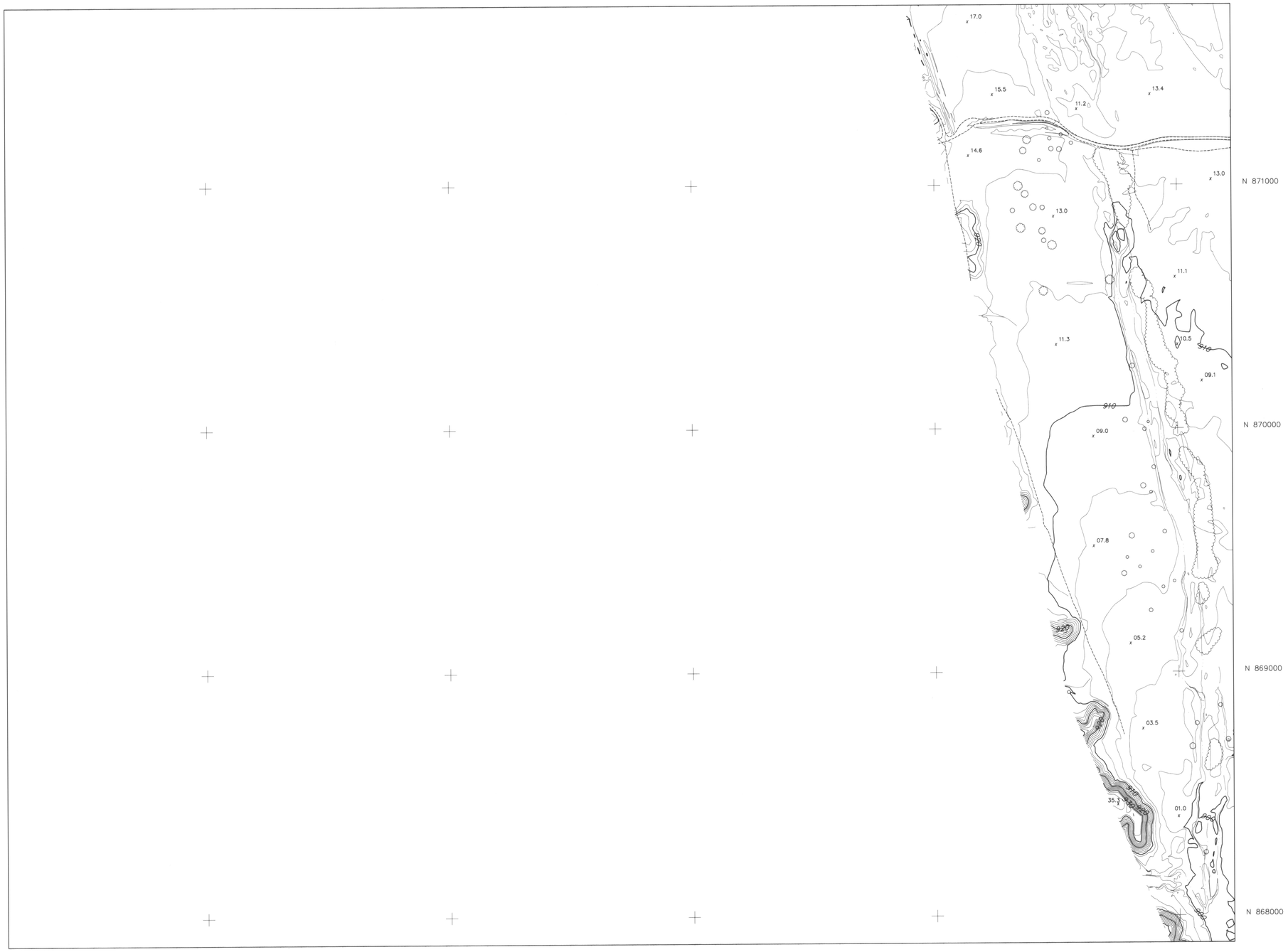
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 105 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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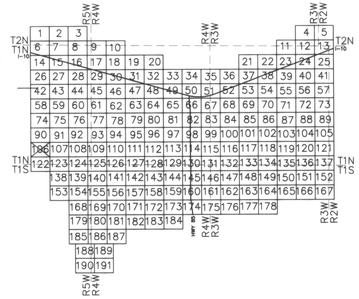

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33313 BYRON E. JOHSON

12-21-02

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 106 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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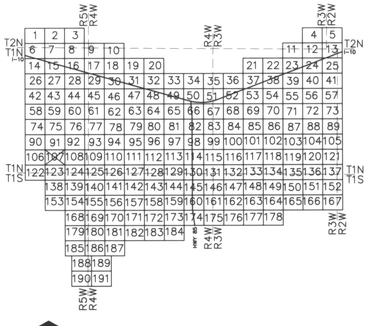

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SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. JOHNSON 12-20-03

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Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

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FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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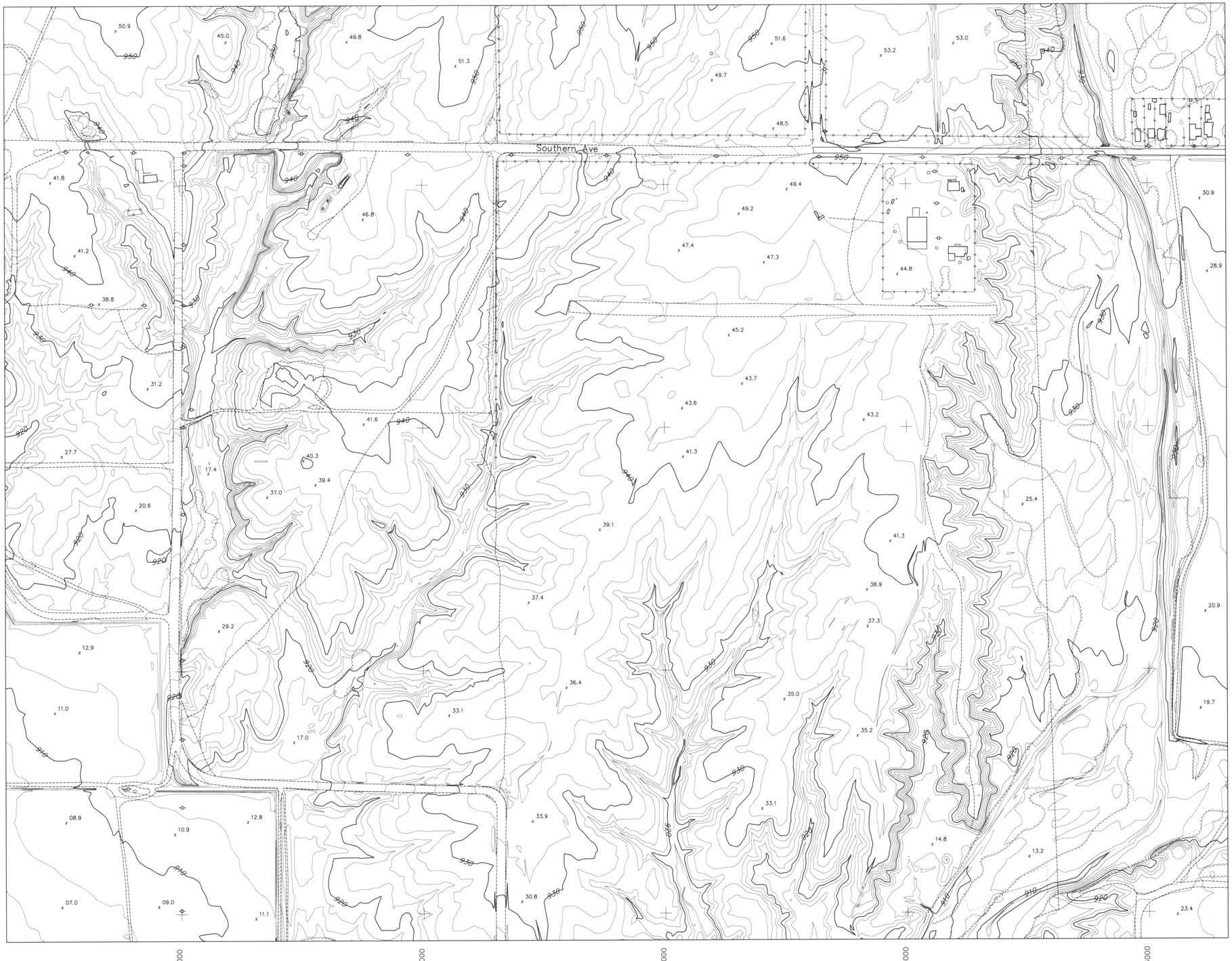
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 107 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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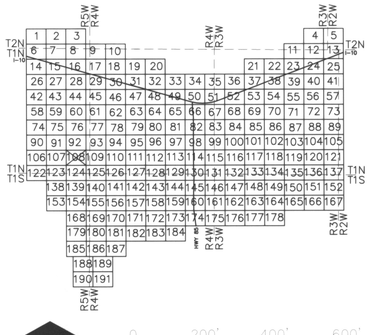

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FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

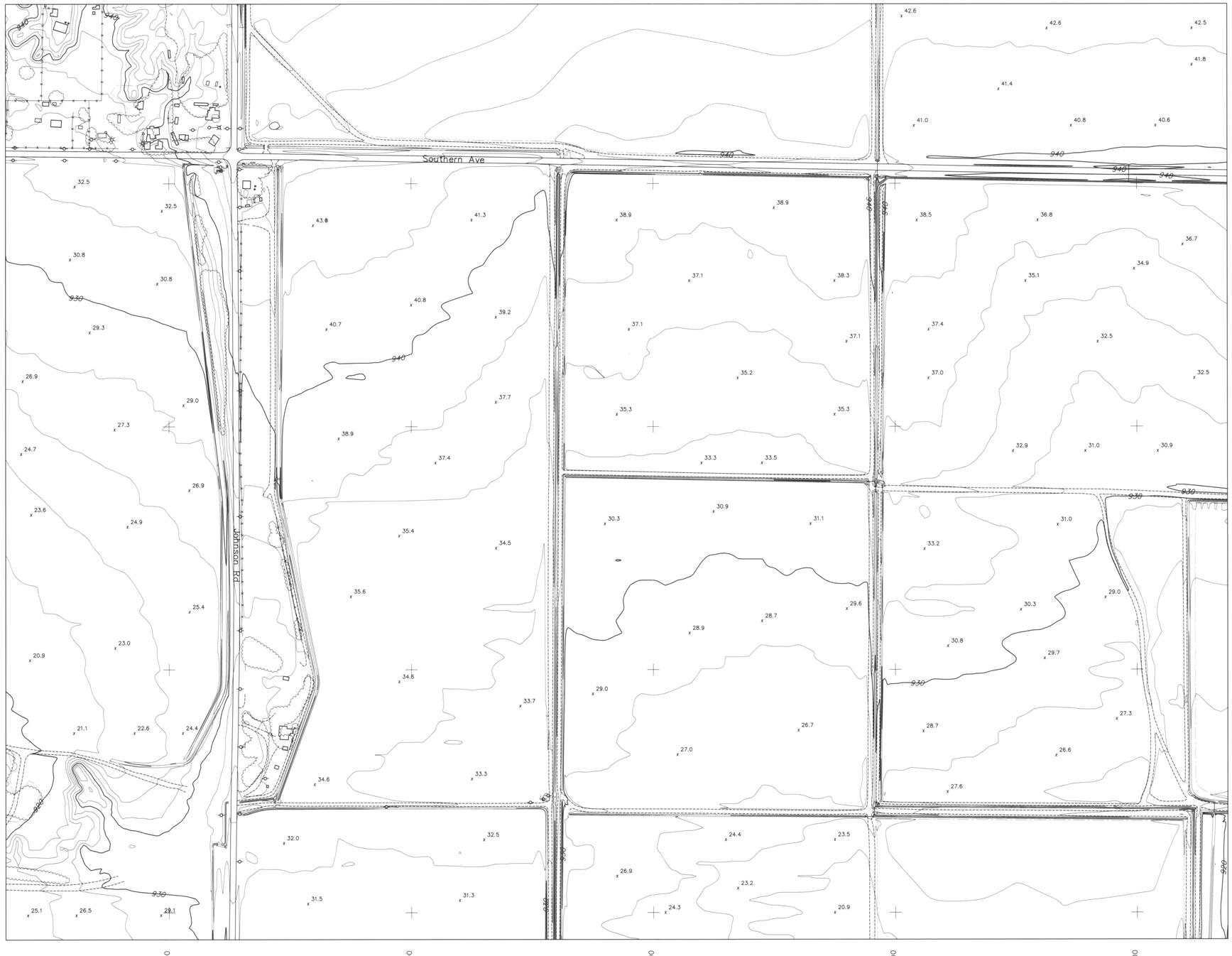
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 108 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

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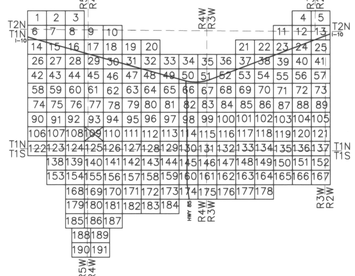

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33313 BYRON E. JOHNSON

12-20-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

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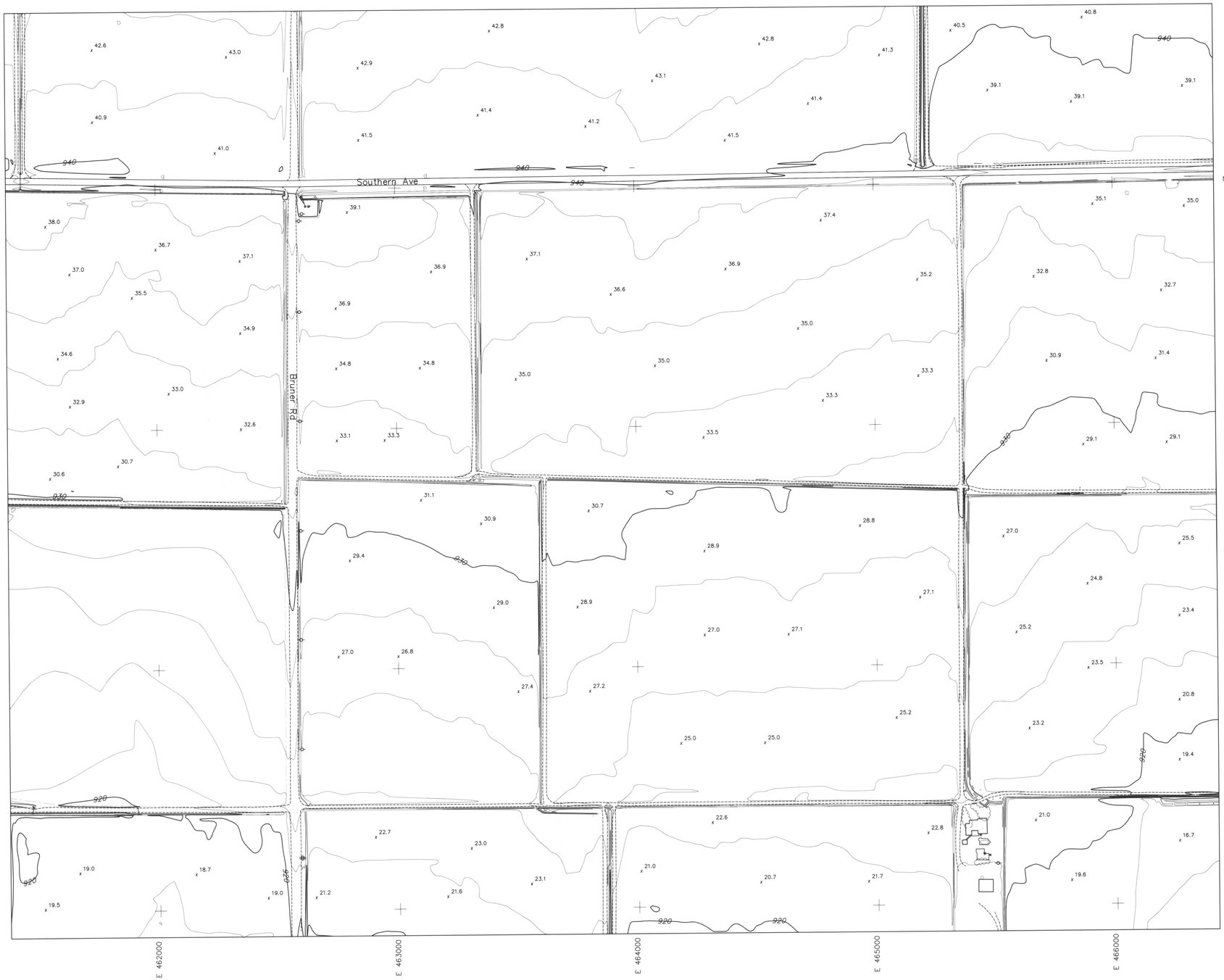
SHEET 109 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

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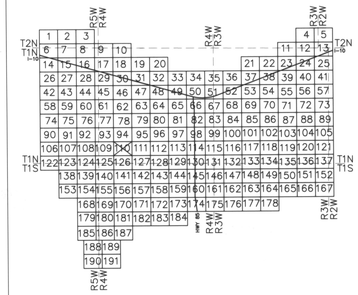
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Hultz-Zollars & Project Engineering Consultants.

33313 BYRON E. JOHNSON 7-29-03 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

	BY:	DATE
DESIGN	–	–
DESIGN CHK	–	–
PLANS	–	–
PLANS CHK	–	–

SUBMITTED BY: DATE:

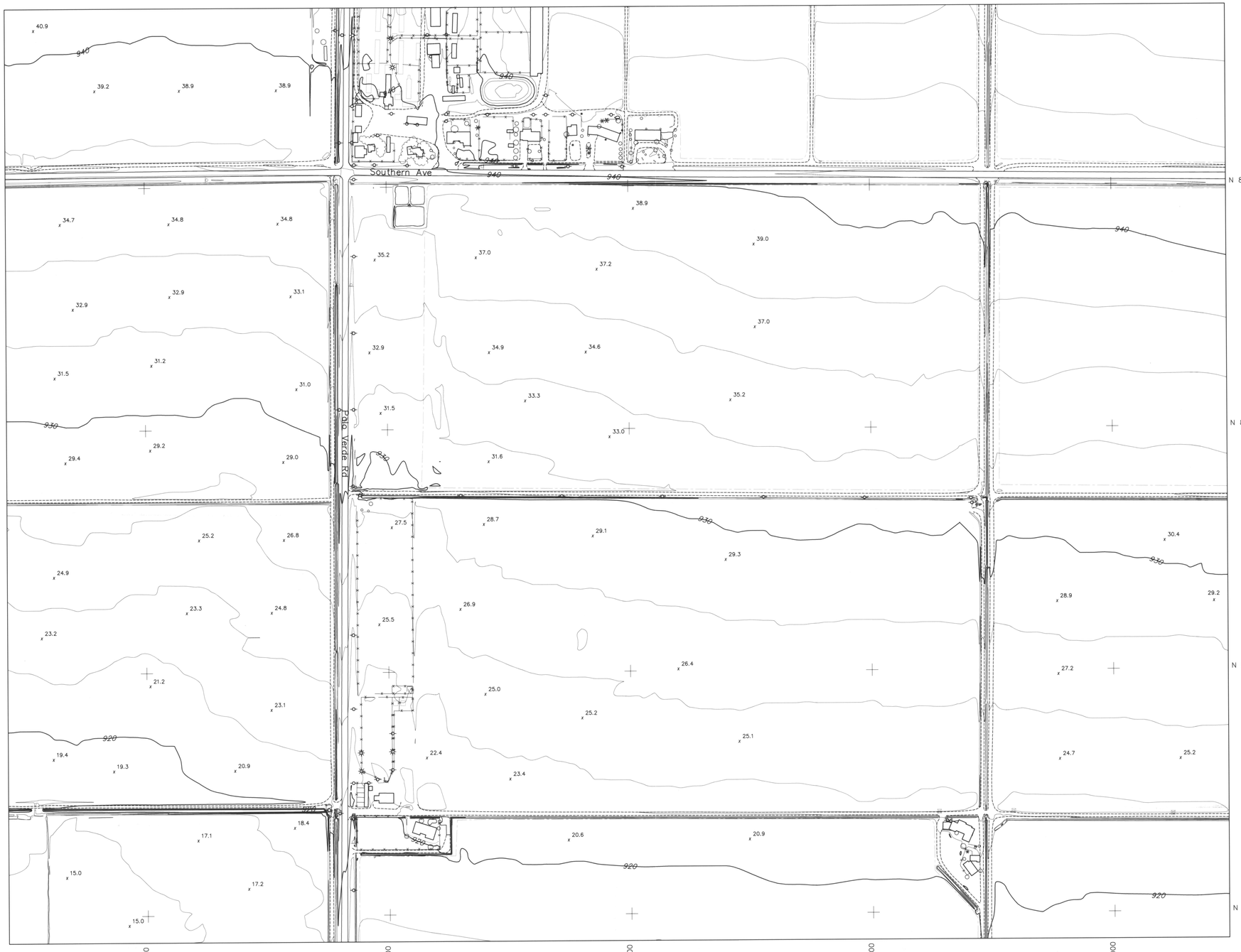
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 110 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
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- WALL
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- CATCH BASIN
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- POLE
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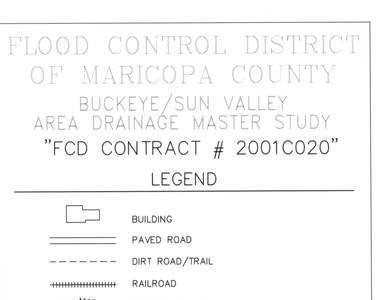
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



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SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

33313 BYRON E. JOHNSON 7-29-03 REGISTERED LAND SURVEYOR

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FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK.	–	–
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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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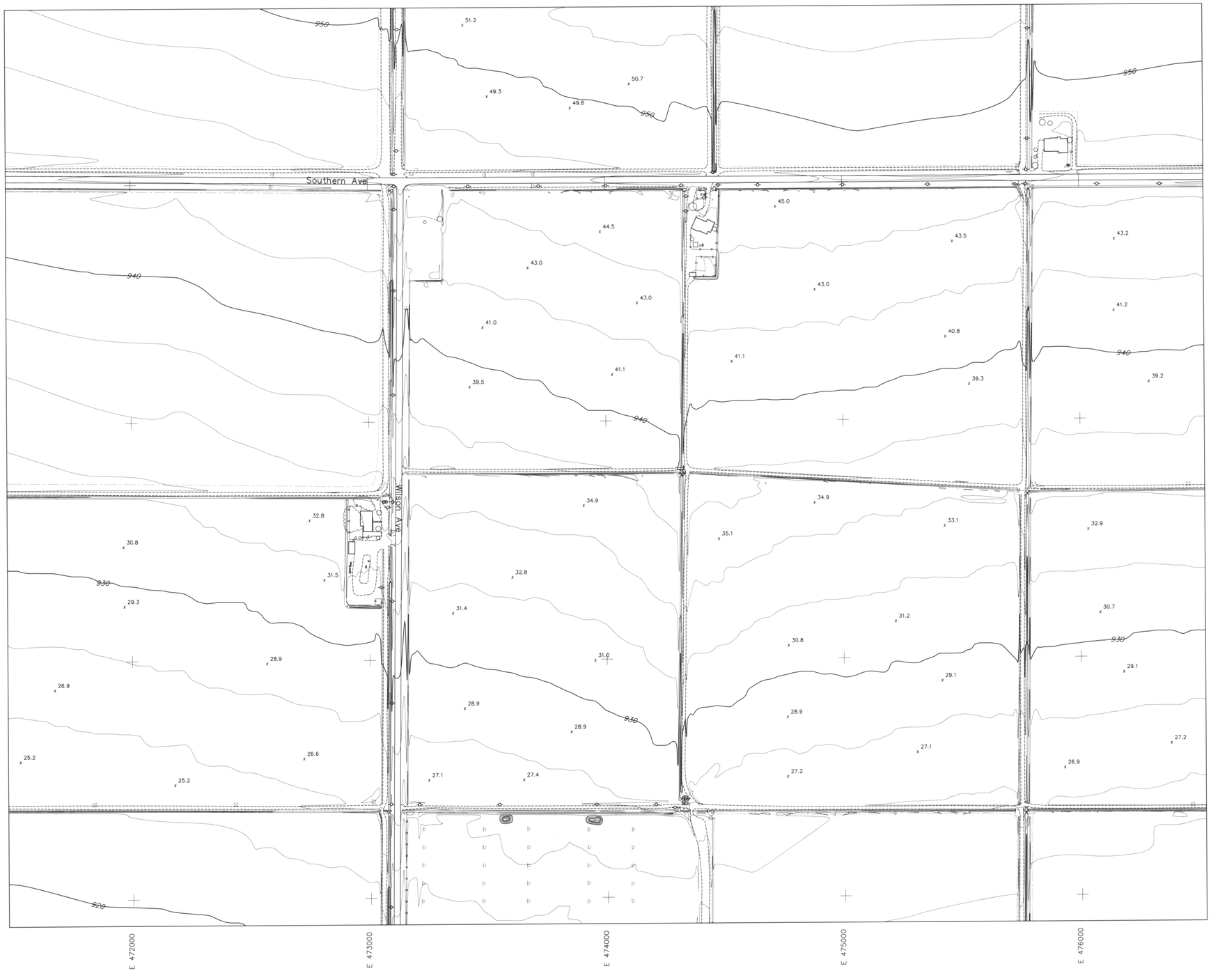
SHEET 111 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- 21.4 SPOT ELEVATION
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
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- CATCH BASIN
- TRANSMISSION LINE TOWER
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- FLAG
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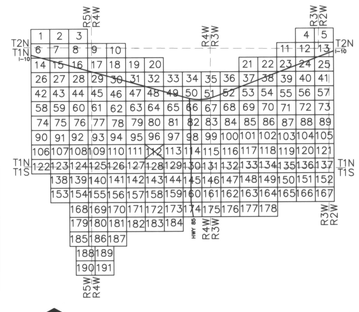
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



N

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR — CERTIFICATE NO. 33313 — BYRON E. JOHNSON — 12-20-02

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Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

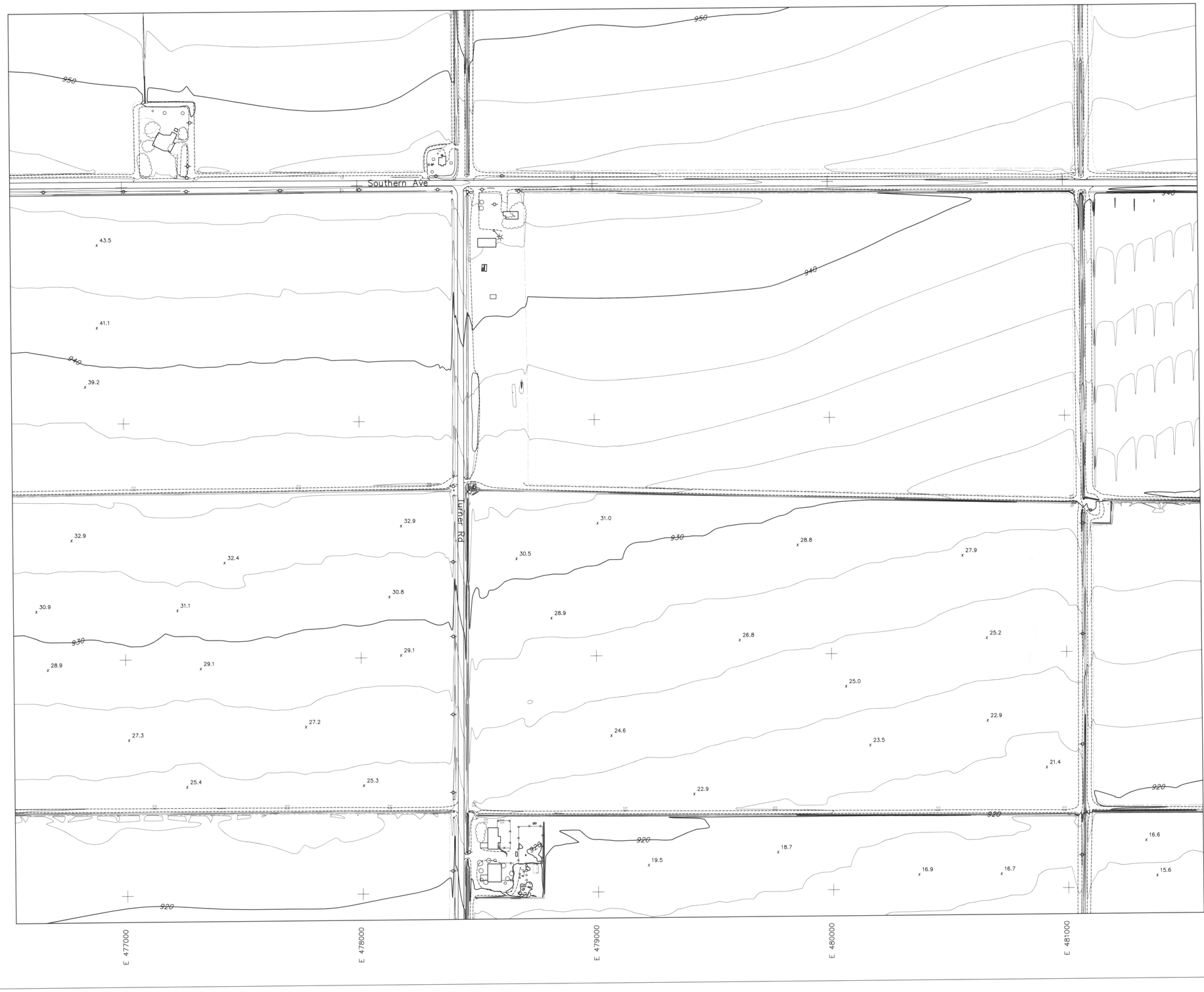
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 112 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- 1110 INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
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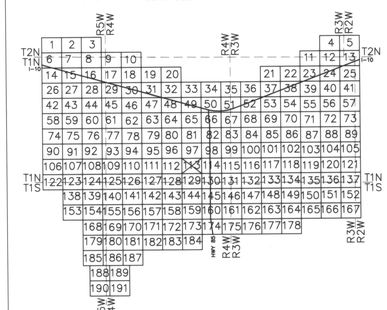

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7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN	–	–
DESIGN CHK	–	–
PLANS	–	–
PLANS CHK	–	–

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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 113 OF 191

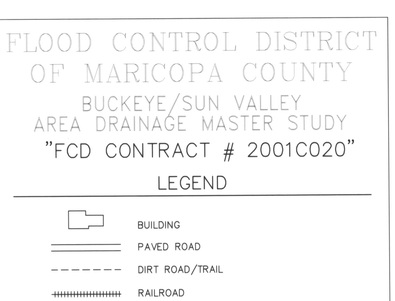
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR (1110)
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION (21.4)
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT (FH)
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE (V)
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



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33513 BYRON E. JOHNSON 7-29-03 REGISTERED LAND SURVEYOR ARIZONA U.S.A.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

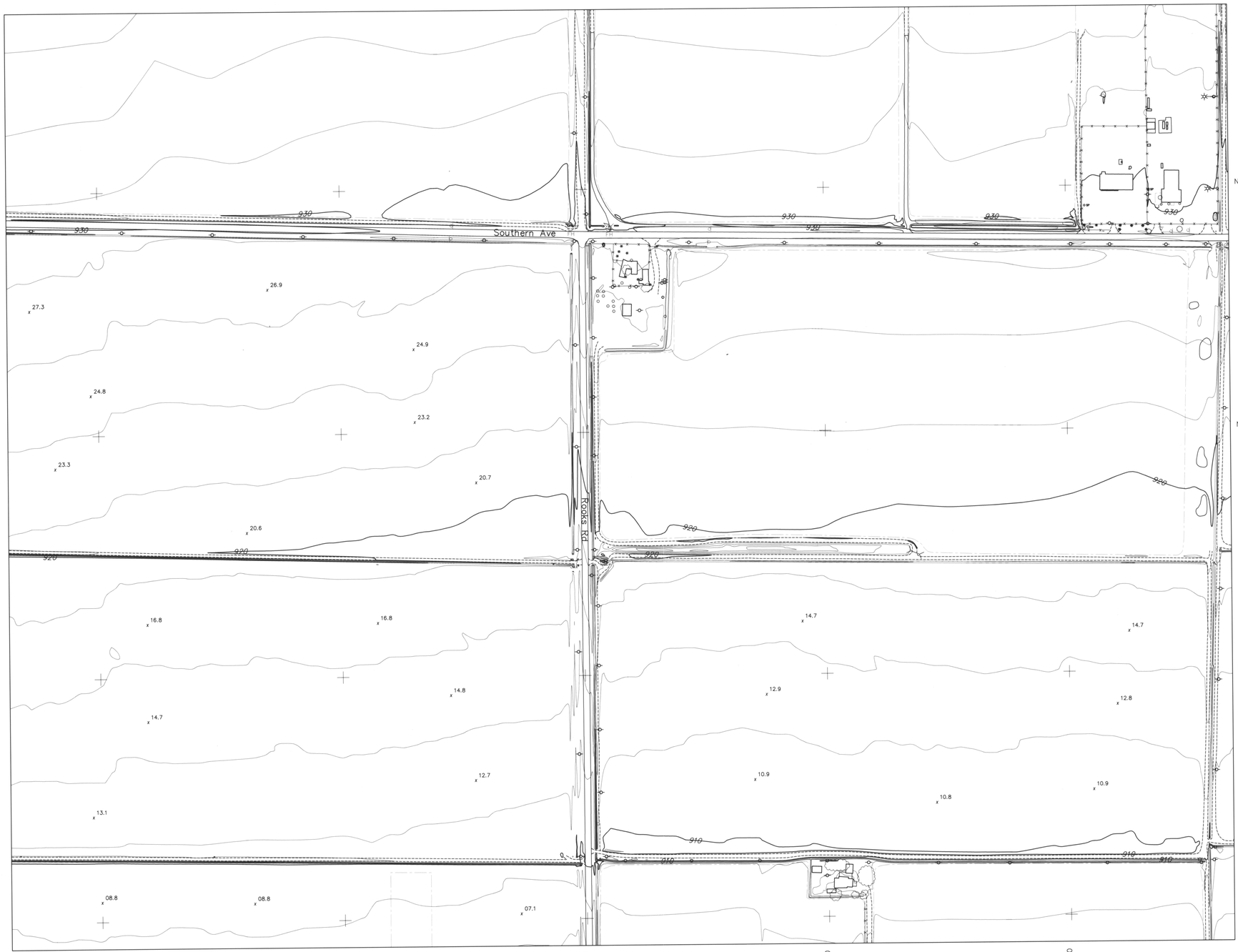
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 114 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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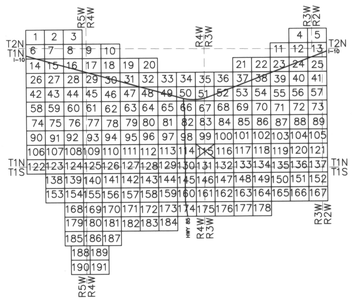

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SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

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BYRON E. SWINTON 17913 REGISTERED ARIZONA 7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 115 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
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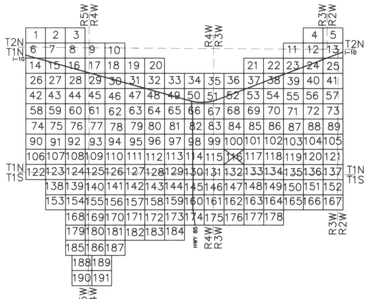

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
33313
BYRON E.
CHASTEN

12-21-03

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Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN:	–	–
DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: _____ DATE: _____

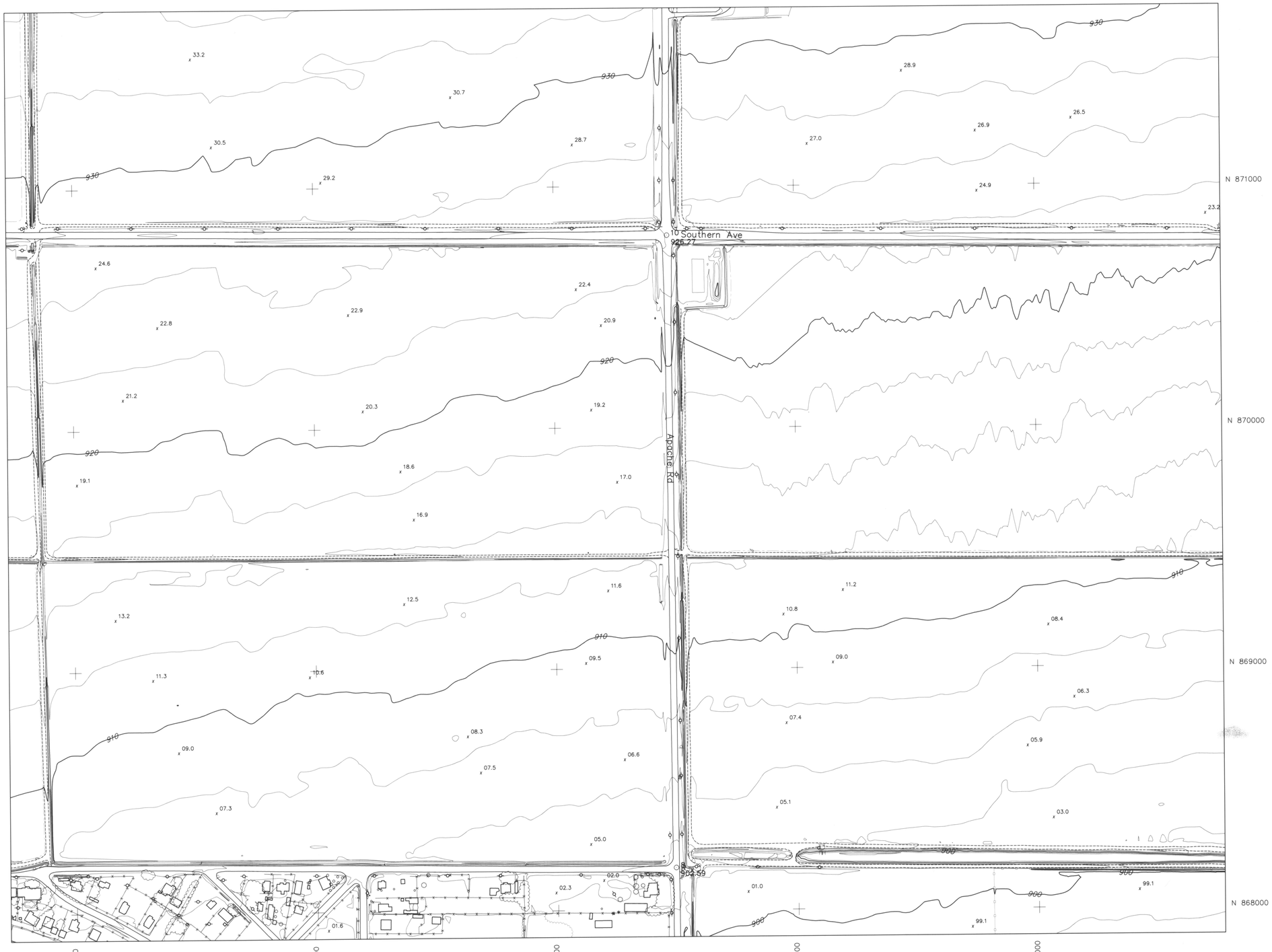
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: _____ DATE _____

APPROVED BY: _____ DATE _____

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 116 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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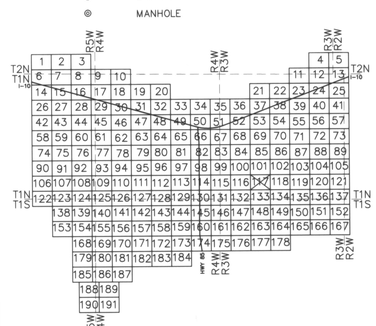

0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

REGISTERED LAND SURVEYOR CERTIFICATE NO. 33313 BYRON E. DAWSON

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12-21-03

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FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK	–	–
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PLANS CHK	–	–

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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 117 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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PLANS CHK:	–	–

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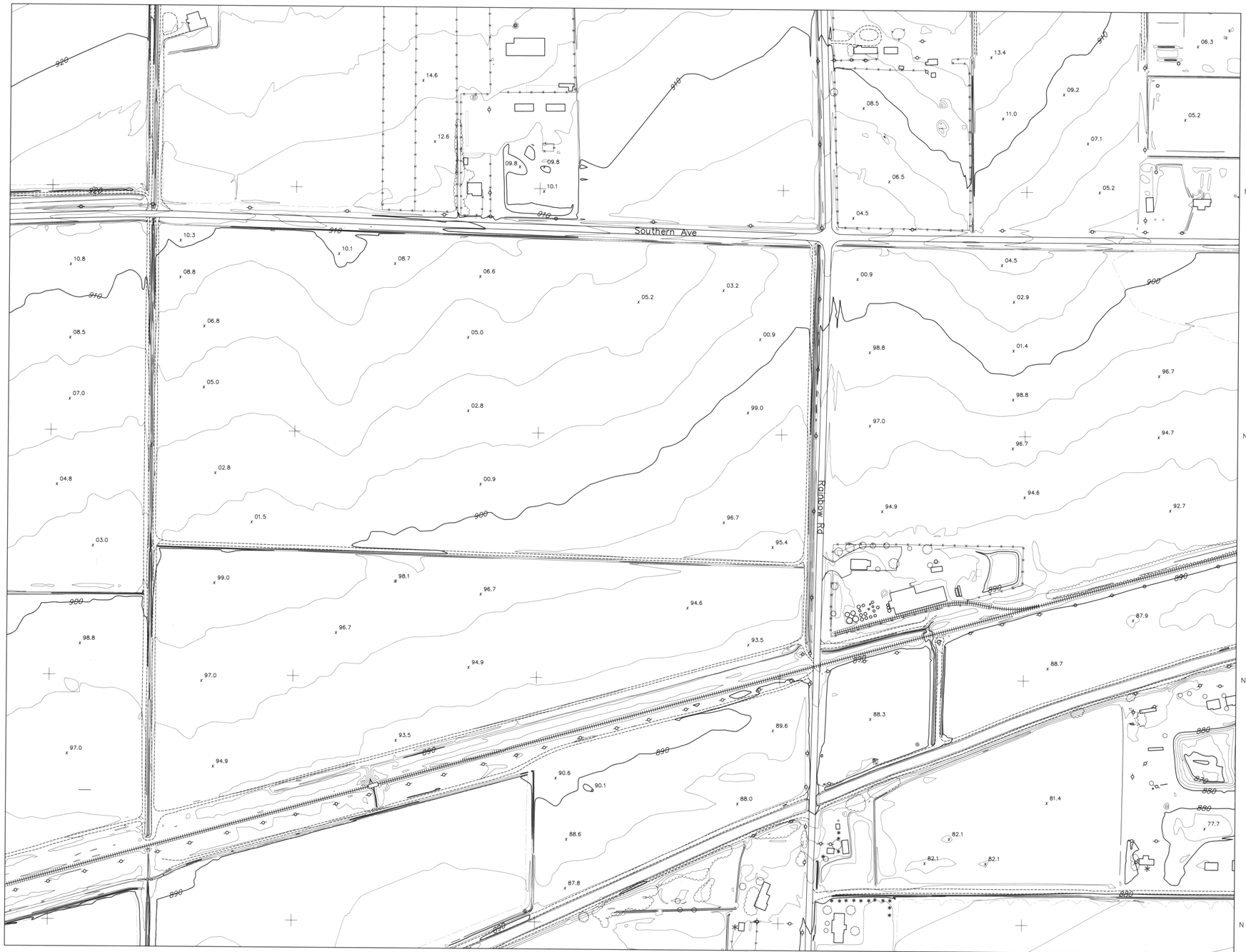
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE:

APPROVED BY: DATE:

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 118 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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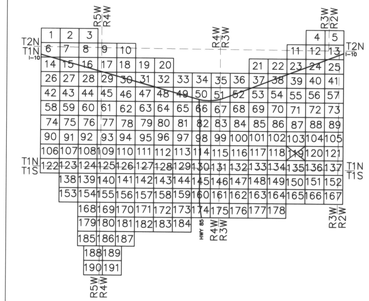

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BYRON E. JOHNSON 33313 REGISTERED LAND SURVEYOR

7-29-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

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FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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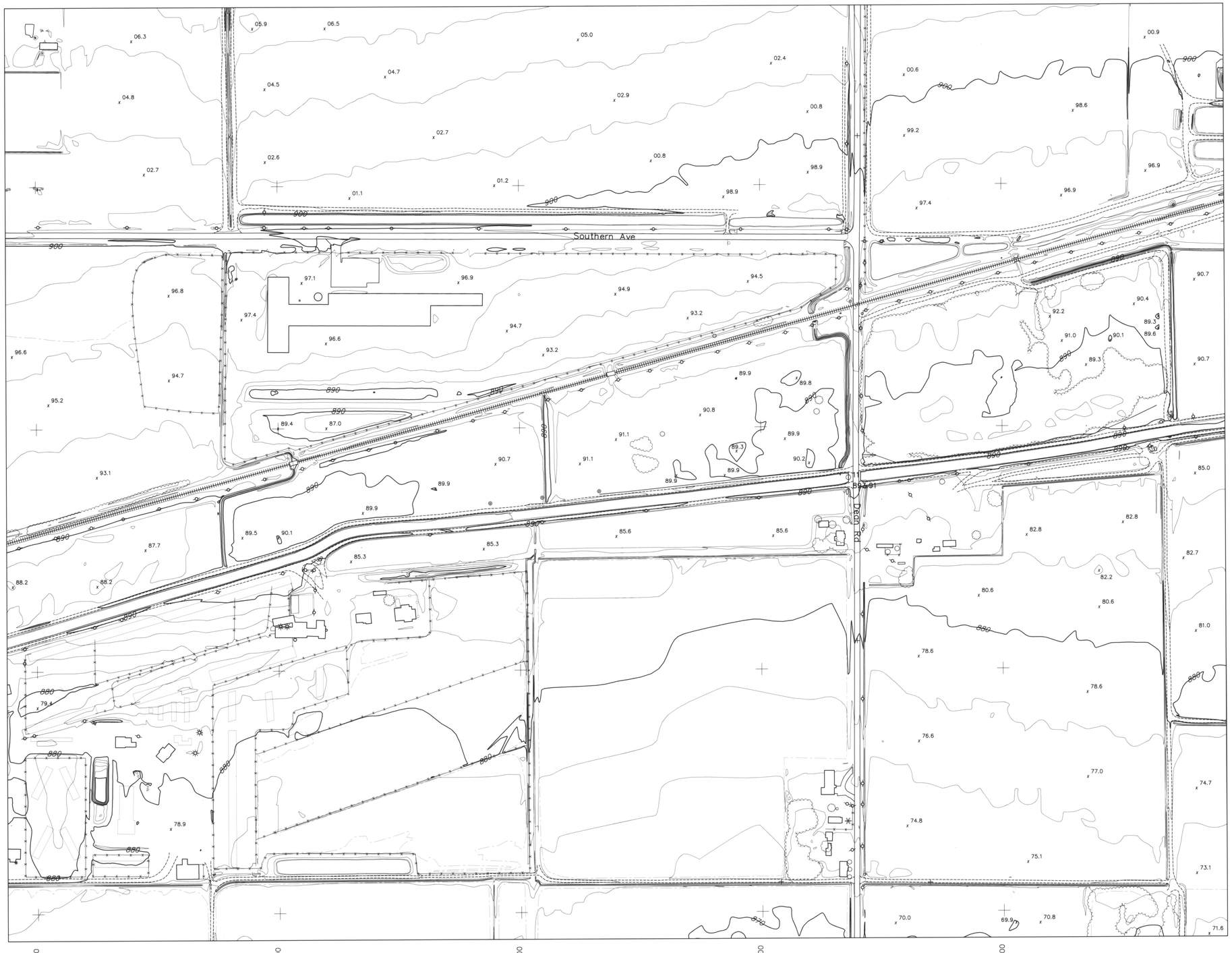
SHEET 119 OF 191



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

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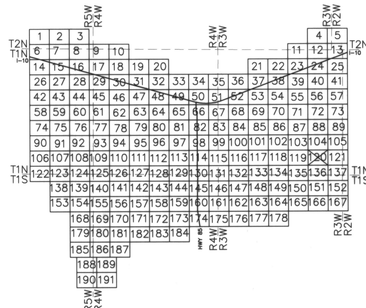
- ERM POINT
- MANHOLE



0 200' 400' 600'

SCALE: 1" = 200'

CONTOUR INTERVAL = 2 FEET

I hereby certify that this map has been produced by Photogrammetric methods and meets National Mapping accuracy standards for a 2' contour interval map at a scale of 1"=200', based on ground control survey data provided by Huitt-Zollars & Project Engineering Consultants.

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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

SUBMITTED BY: DATE:

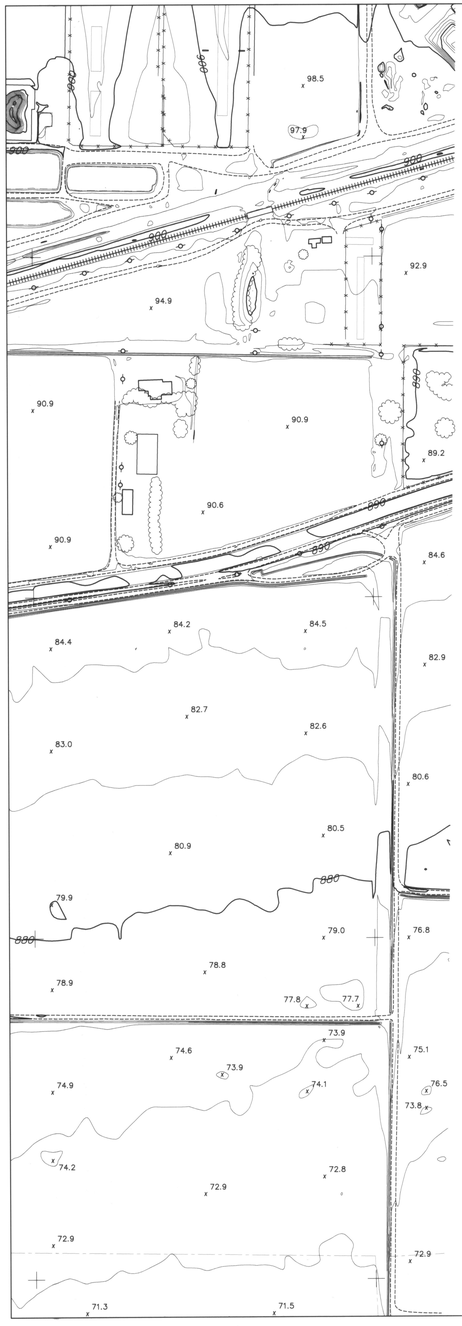
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 120 OF 191



N 871000

N 870000

N 869000

N 868000

E 517000 E 518800 E 519000 E 520000 E 521000

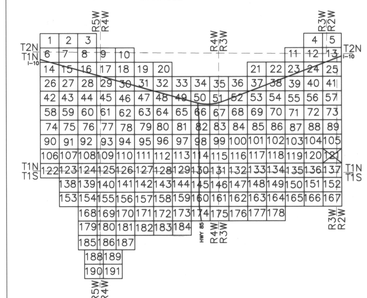
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
- DIRT ROAD/TRAIL
- RAILROAD
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- WASH/ DRAINAGE/WATERLINE
- IRRIGATION DITCH/CANAL
- TREE LINE
- SPOT ELEVATION (x 21.4)
- HORIZONTAL & VERTICAL CONTROL POINT
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



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CHIEF ENGINEER AND GENERAL MANAGER

SHEET 121 OF 191

E 446000

N 867000

N 866000

N 865000

N 864000

E 442000

E 443000

E 444000

E 445000

E 446000

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

LEGEND

- BUILDING
- PAVED ROAD
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- SPOT ELEVATION (x21.4)
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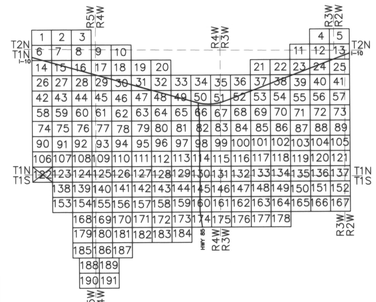
- FENCE
- WALL
- OBSCURED AREA
- TRAFFIC SIGNAL
- CATCH BASIN
- TRANSMISSION LINE TOWER
- POLE
- SINGLE POST SIGN
- FIRE HYDRANT (FH)
- BACK-TO-BACK SIGN POST
- FLAG
- STREET LIGHT
- VALVE (V)
- CATTLE GUARD
- LIGHT POLE
- POST
- PALM TREE
- ERM POINT
- MANHOLE



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ARIZONA REGISTERED LAND SURVEYOR 33313 BYRON E. JOHNSON 7-30-03 CERTIFICATE NO. ARIZONA

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FLOWN BY: KENNEY AERIAL MAPPING INC.

FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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PLANS	–	–
PLANS CHK	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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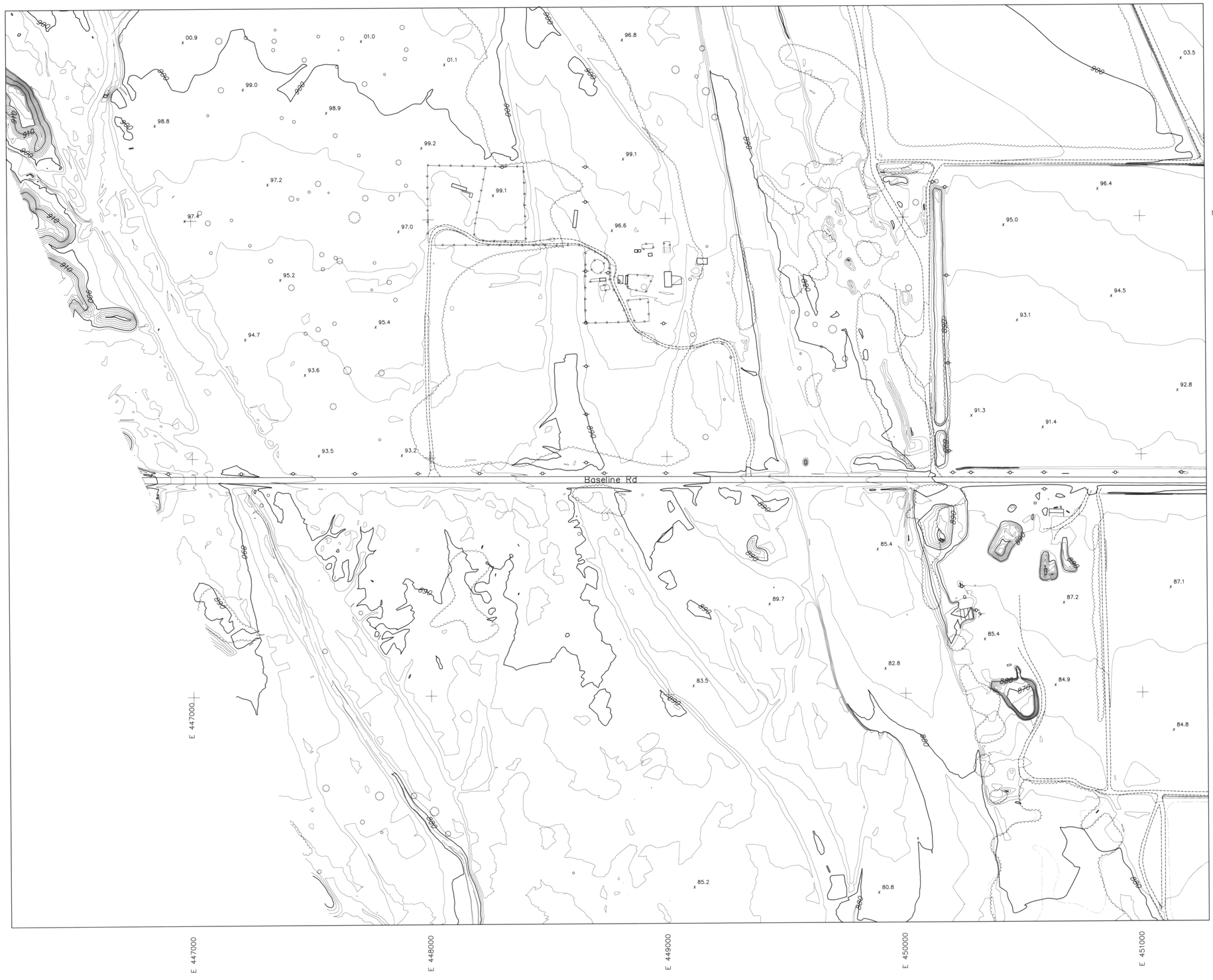
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 122 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"



LEGEND

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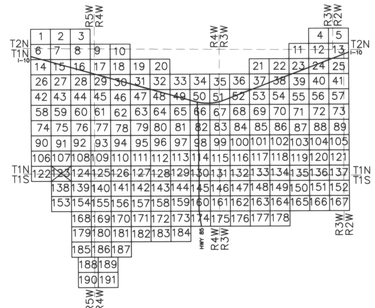

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BYRON E. JOHNSON 7-30-03

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Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN CHK:	–	–
PLANS:	–	–
PLANS CHK:	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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SHEET 123 OF 191

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

BUCKEYE/SUN VALLEY AREA DRAINAGE MASTER STUDY

"FCD CONTRACT # 2001C020"

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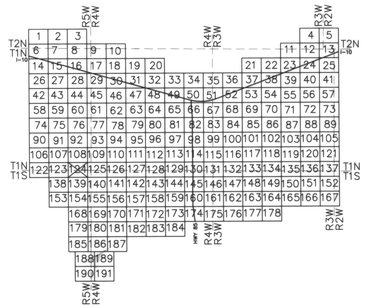

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BYRON E. JOHNSON 33313 REGISTERED LAND SURVEYOR 7-30-03

Horizontal Control Datum: AZ Coordinate System of 1983 Central Zone

Vertical Control Datum: NAVD 88

FLOWN BY: KENNEY AERIAL MAPPING INC.
FLIGHT DATES: MARCH 27, 2002 & APRIL 8, 2002

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DESIGN:	–	–
DESIGN. CHK.	–	–
PLANS:	–	–
PLANS. CHK.	–	–

SUBMITTED BY: DATE:

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE

APPROVED BY: DATE

CHIEF ENGINEER AND GENERAL MANAGER

SHEET 124 OF 191