

**REMEDIAL INVESTIGATION REPORT
West Van Buren Area WQARF Registry Site
Phoenix, Arizona**

Volume II (Figures)

Terranext Project No. 03103154

Prepared For:

**Arizona Department of Environmental Quality
1110 West Washington
Phoenix, Arizona 85007**

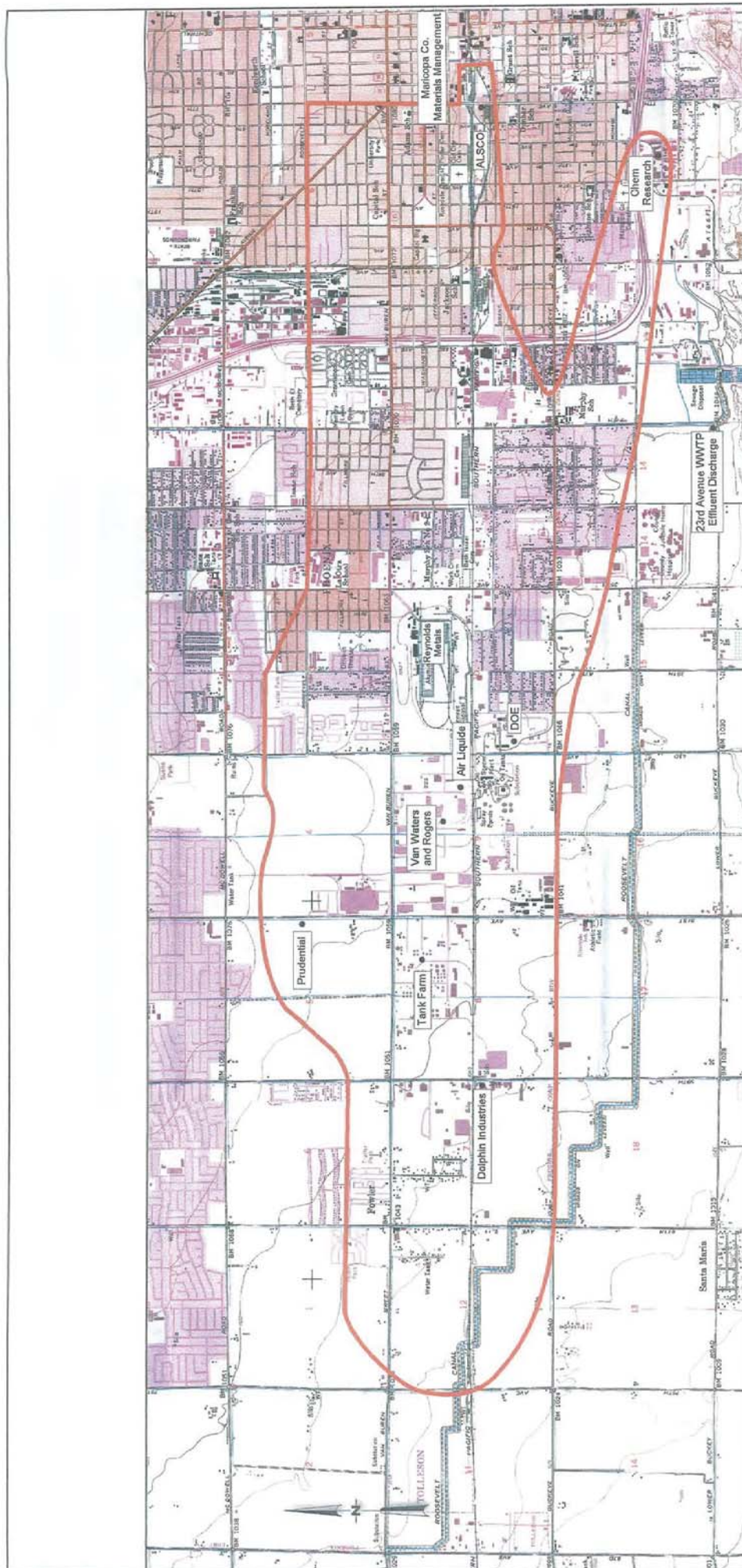
August 2012

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1/2 0 1
APPROXIMATE SCALE (MILES)

LEGEND

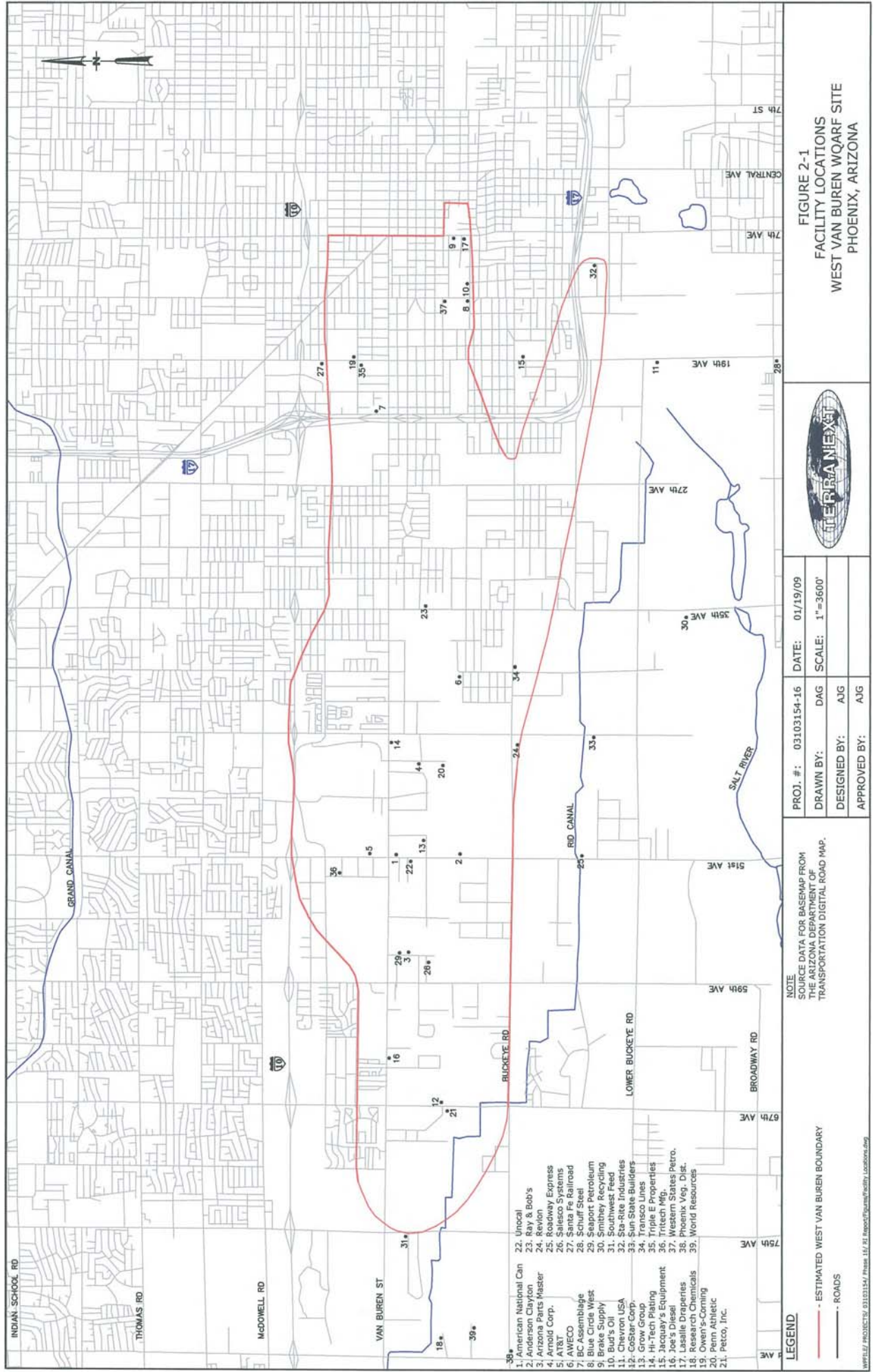
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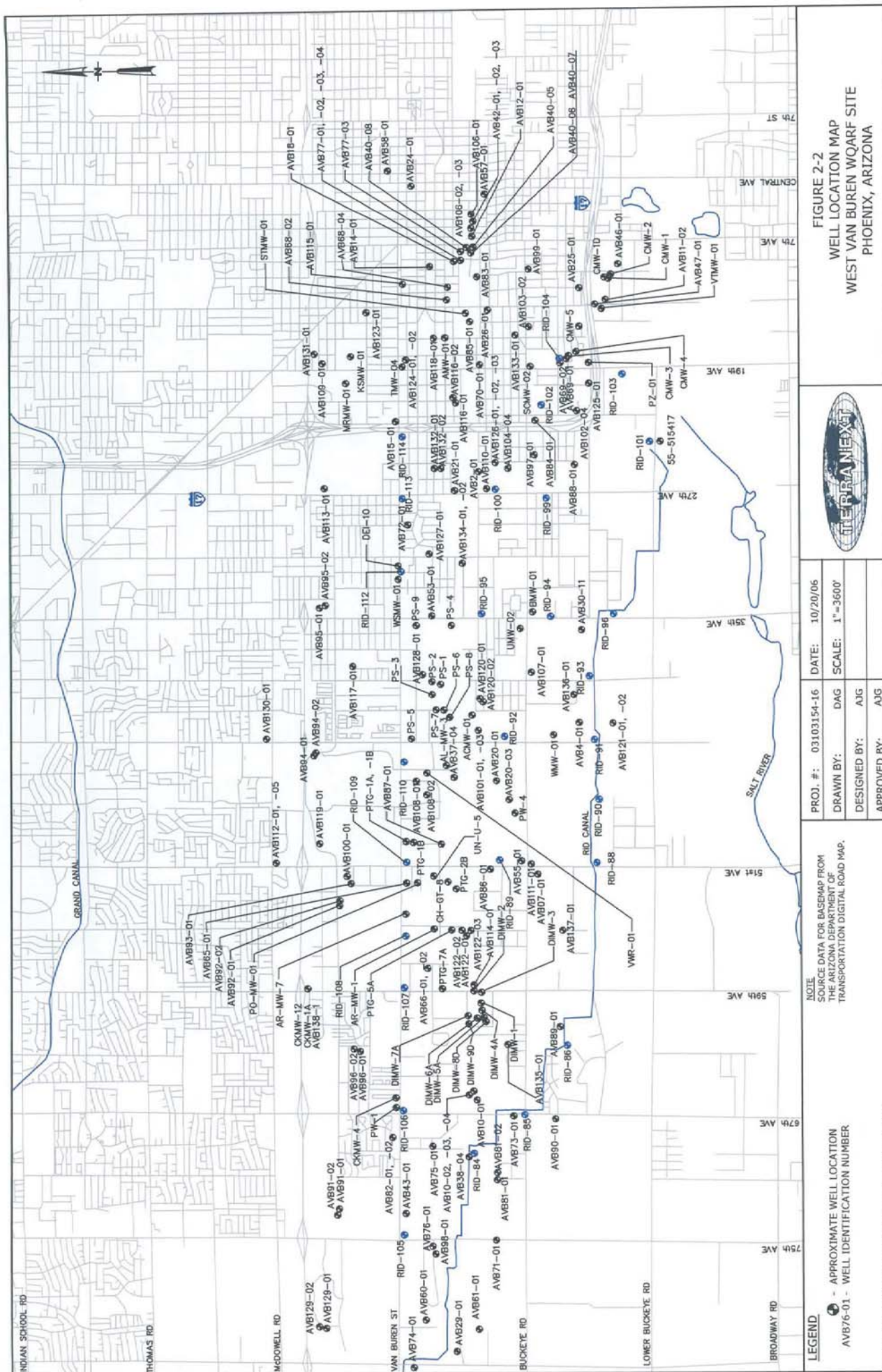
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DRAWN BY:	JTA	SCALE:	AS SHOWN
DESIGNED BY:	JTA		
APPROVED BY:	A/JG		



FIGURE 1-1
SITE BOUNDARY
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA





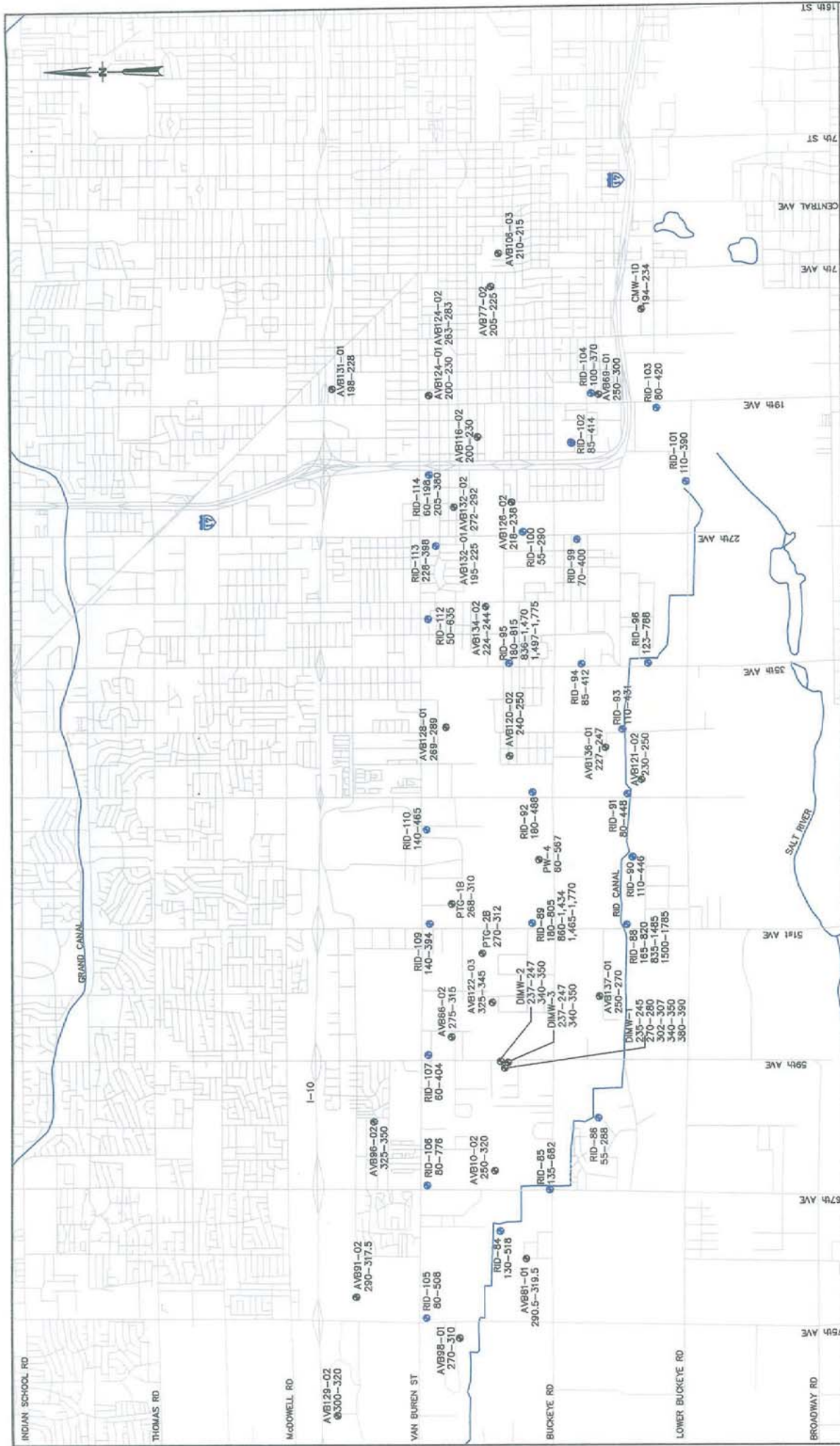


FIGURE 2-4
 UAU 2 WELL LOCATION MAP
 WEST VAN BUREN WQARF SITE
 PHOENIX, ARIZONA



PROJ. #:	03103154-16	DATE:	12/21/05
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	JTA		
APPROVED BY:	AUG		

NOTE
 SOURCE DATA FOR BASEMAP FROM
 THE ARIZONA DEPARTMENT OF
 TRANSPORTATION DIGITAL ROAD MAP.

- LEGEND**
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 - AVB99-01 - WELL IDENTIFICATION NUMBER
 - 280-320 - SCREENED INTERVAL
 - NA - NOT AVAILABLE

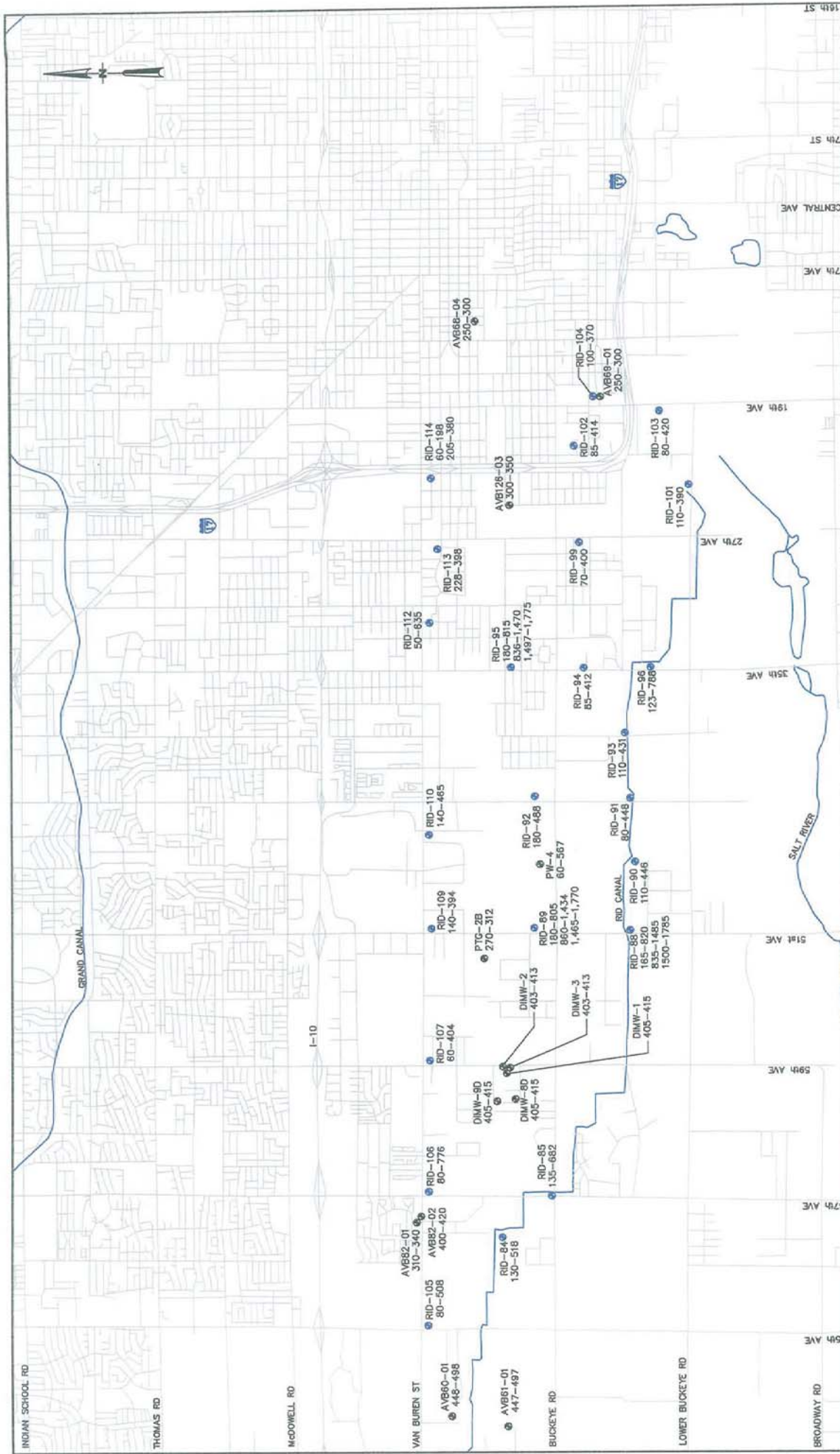


FIGURE 2-5
MAU WELL LOCATION MAP
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



DATE:	12/21/05
SCALE:	1"=3600'
PROJ. #:	03103154-16
DRAWN BY:	JTA
DESIGNED BY:	JTA
APPROVED BY:	AUG

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

- LEGEND
- APPROXIMATE WELL LOCATION
 - AVB60-01 - WELL IDENTIFICATION NUMBER
 - 448-498 - SCREENED INTERVAL
 - NA - NOT AVAILABLE

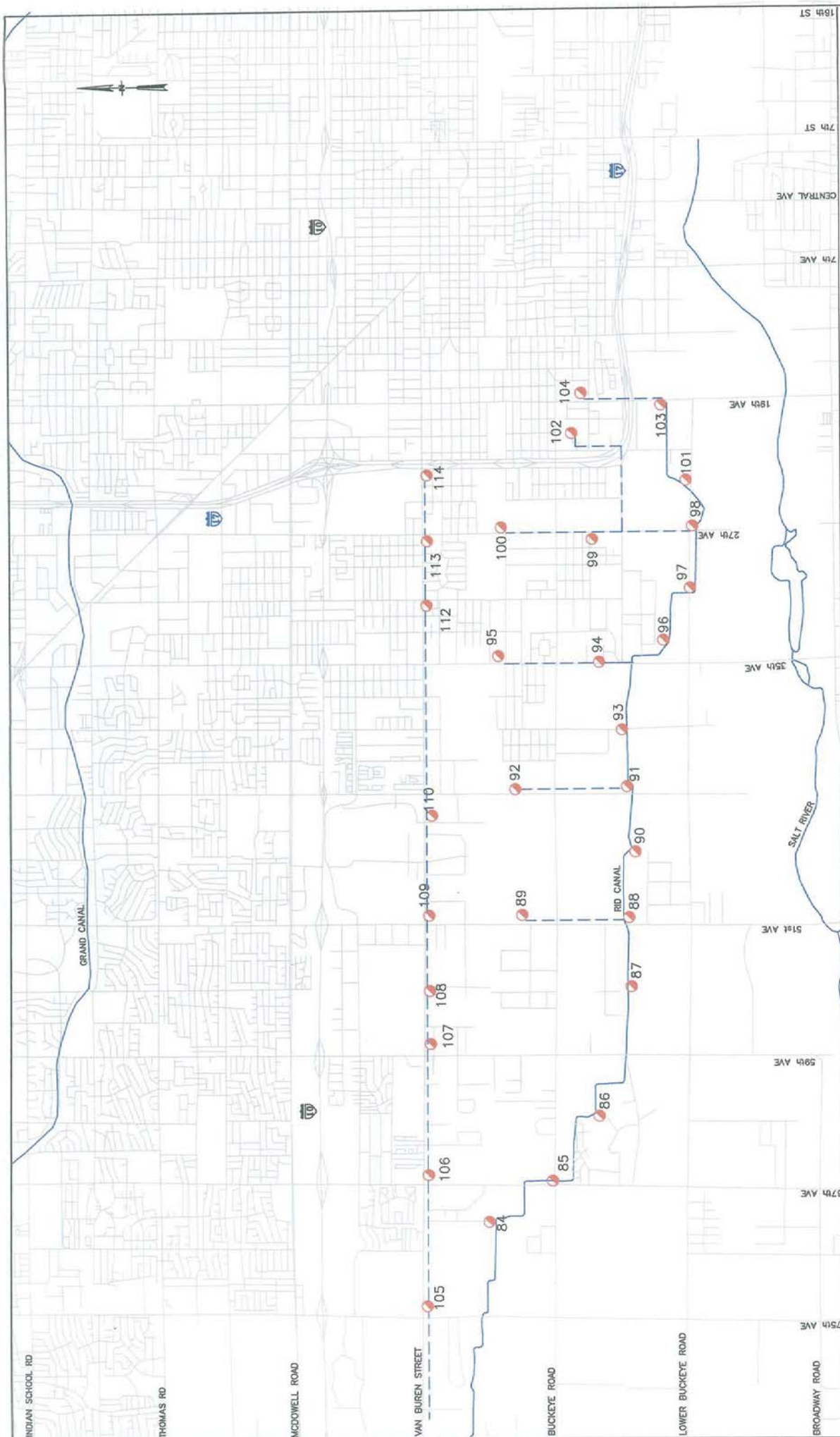


FIGURE 2-6
RID WELL LOCATION MAP
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



PROJ. #:	03103154-16	DATE:	11/21/07
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AUG		

NOTE
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THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

- LEGEND**
- RID WELL LOCATION
 - RID LATERAL

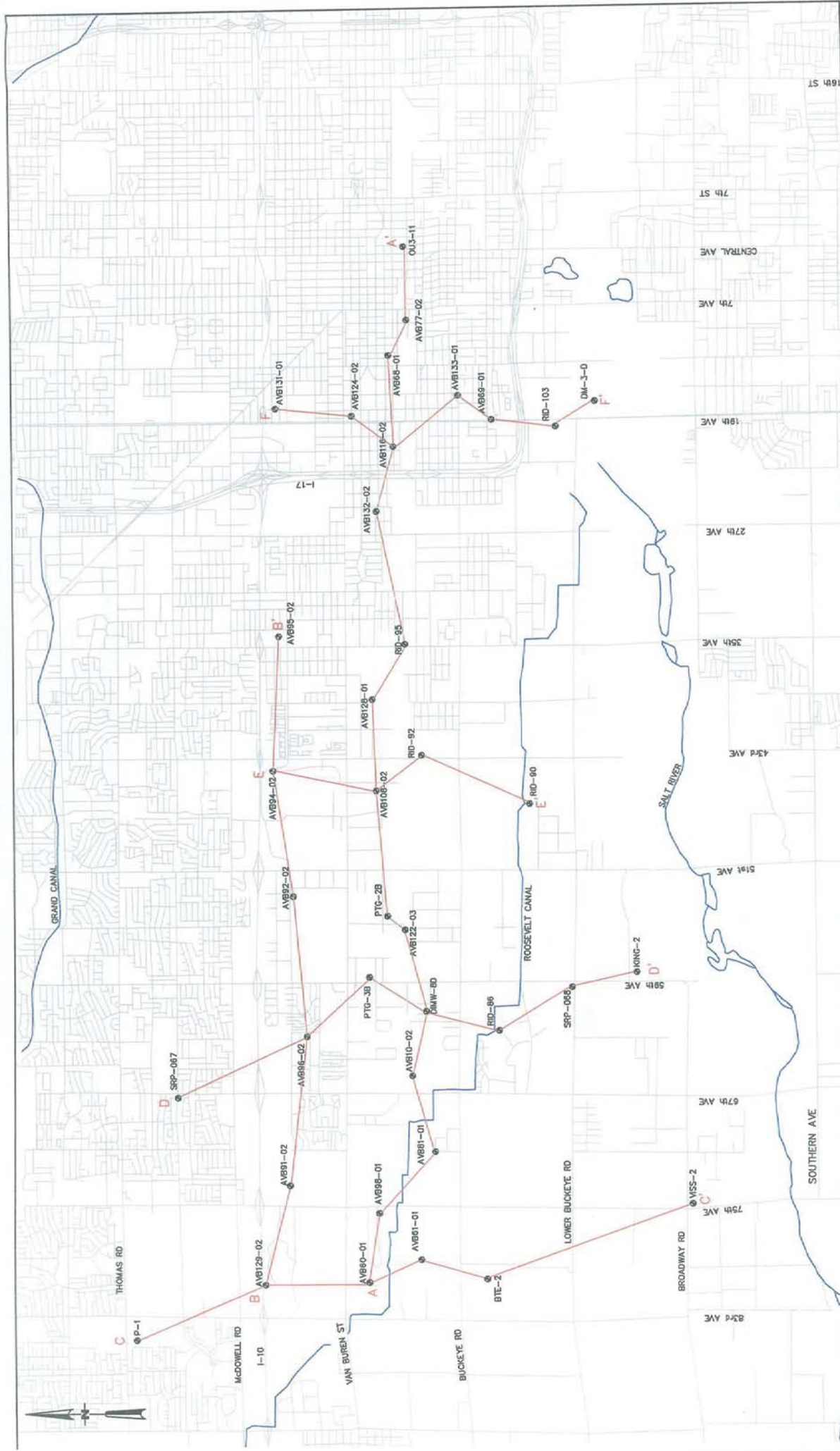




FIGURE 3-1
GEOLOGICAL CROSS-SECTION LOCATIONS
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



<p>NOTE SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.</p>	<p>PROJ. #: 03103154-13 DRAWN BY: JTA DESIGNED BY: AJG APPROVED BY: AJG</p>	<p>DATE: 08/04/05 SCALE: 1"=3750'</p>	<p>APPROXIMATE WELL LOCATION AVB60-01 - WELL IDENTIFICATION NUMBER</p>
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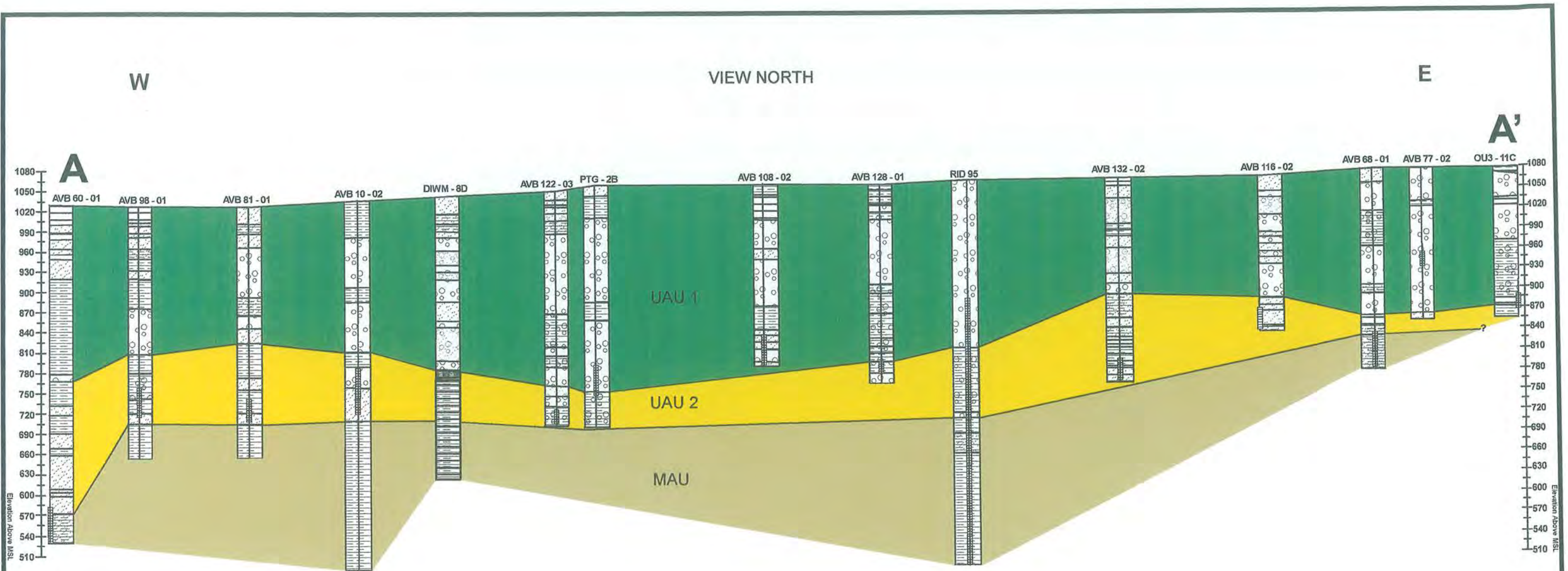
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- - APPROXIMATE WELL LOCATION
- AVB60-01 - WELL IDENTIFICATION NUMBER



APPROXIMATE SCALE
(MILES)

FILE: PROJECTS\0103154\PMR 15 R.D with Figure\Figure 3-1 Construction Locations 2



Horizontal Scale 1" = 2,800'
Vertical Ex = 18x

Note: UAU 2/MAU contact in DIMW-8D based upon Geophysical Log

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



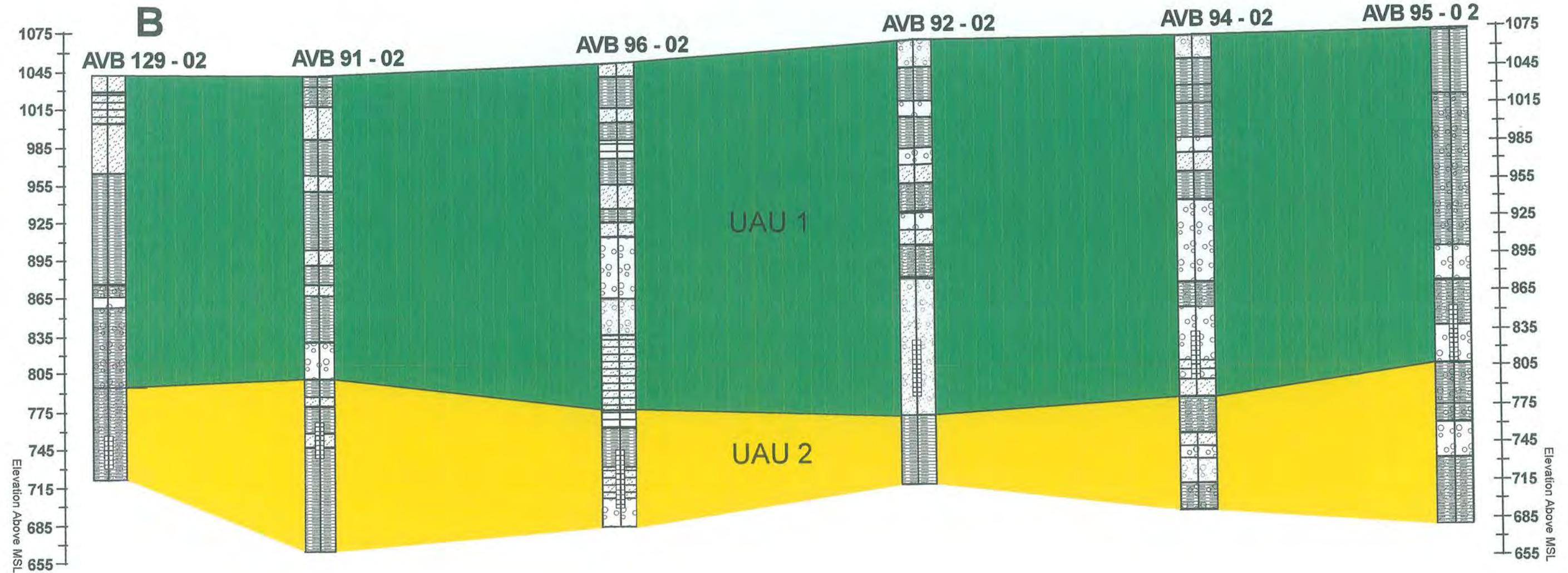
FIGURE 3-2
CROSS - SECTION A - A'
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA

W

VIEW NORTH

E

B'



Horizontal Scale 1" = 2,100'
Vertical Ex = 23x

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

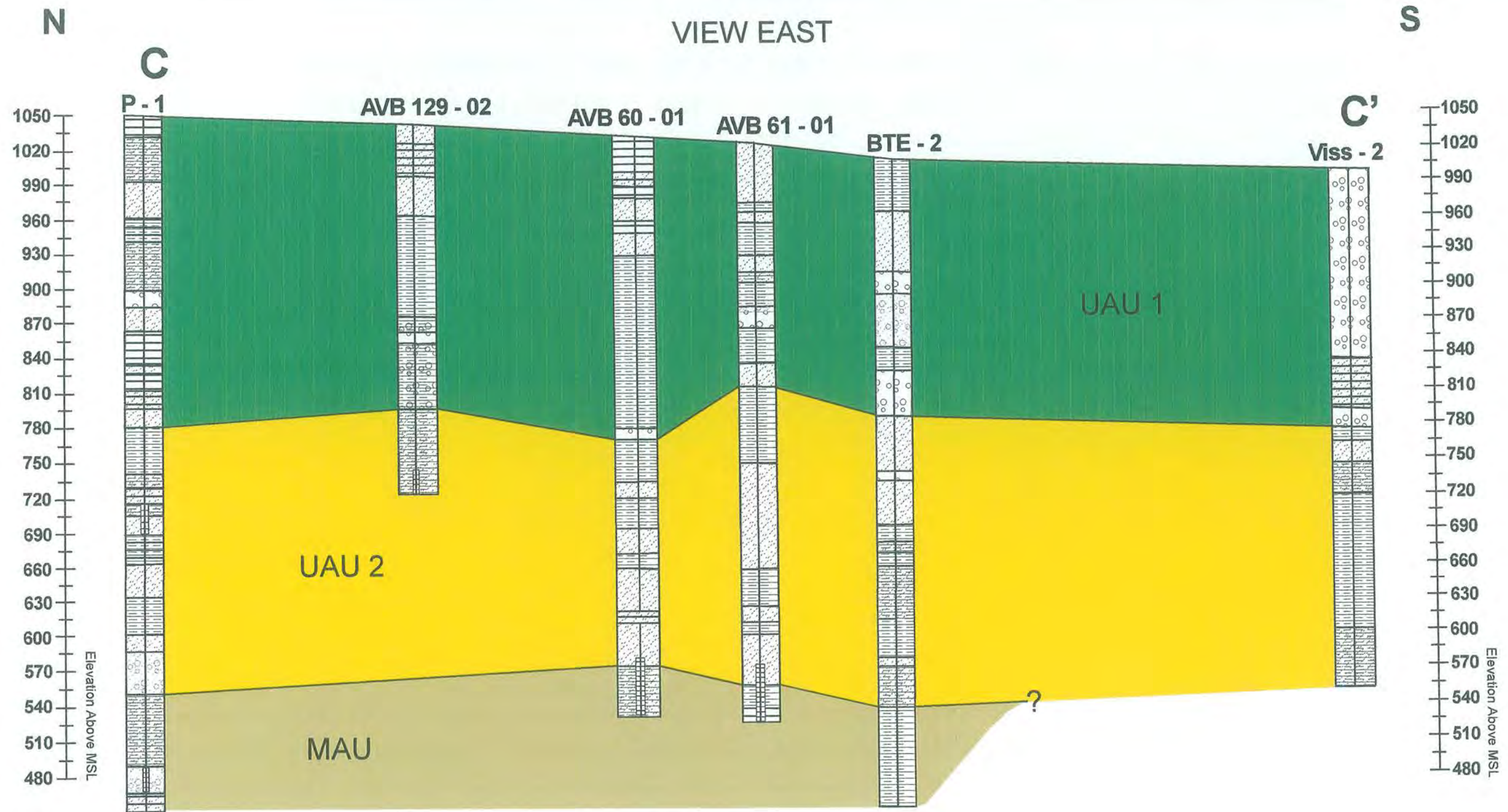
APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



FIGURE 3-3
CROSS - SECTION B - B'
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



Horizontal Scale 1" = 2,100'
Vertical Ex = 22x

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

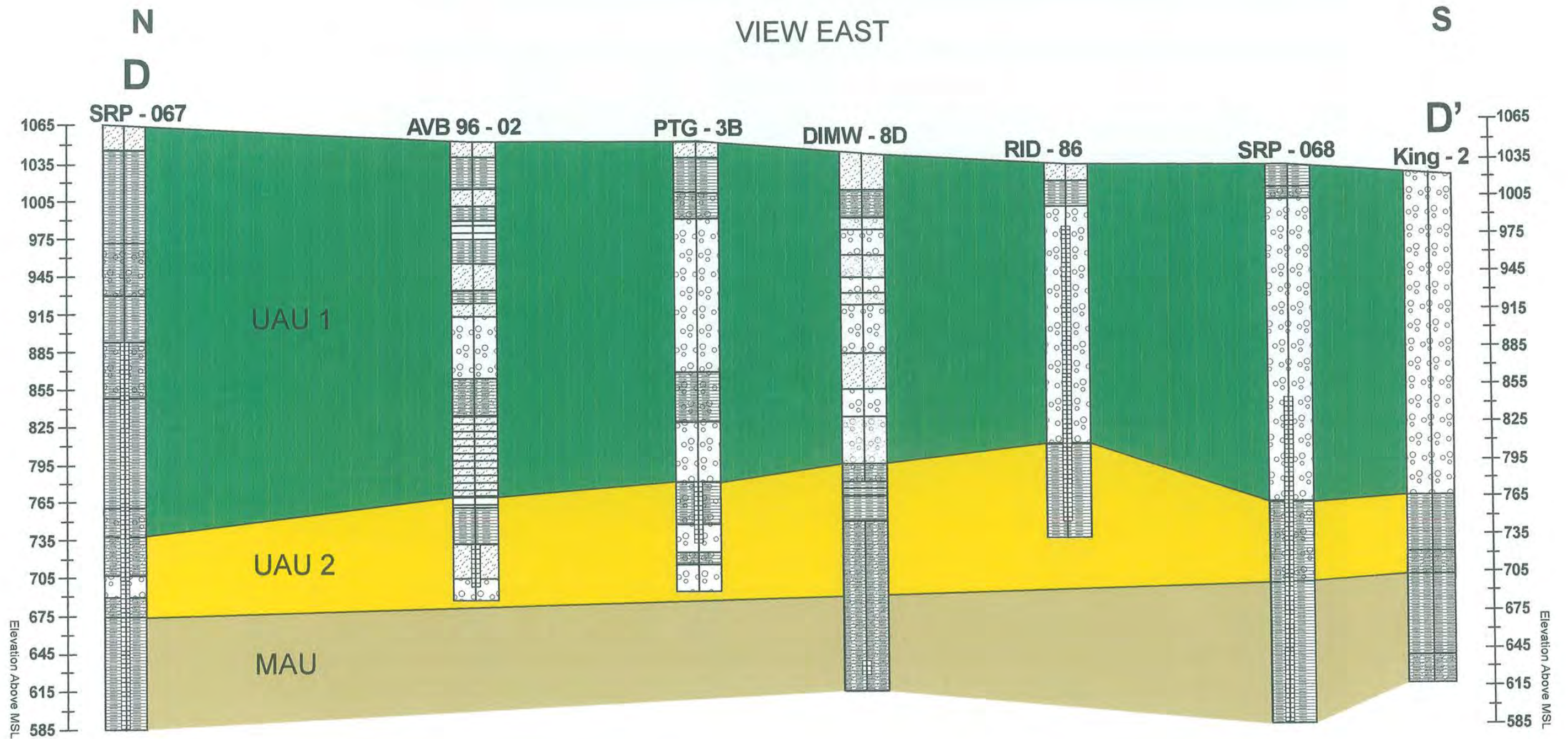
APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



FIGURE 3-4
CROSS - SECTION C - C'
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



Horizontal Scale 1" = 1,700'
Vertical Ex = 20x

Note: UAU 2/MAU contact in DIMW-8D based upon Geophysical Log

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

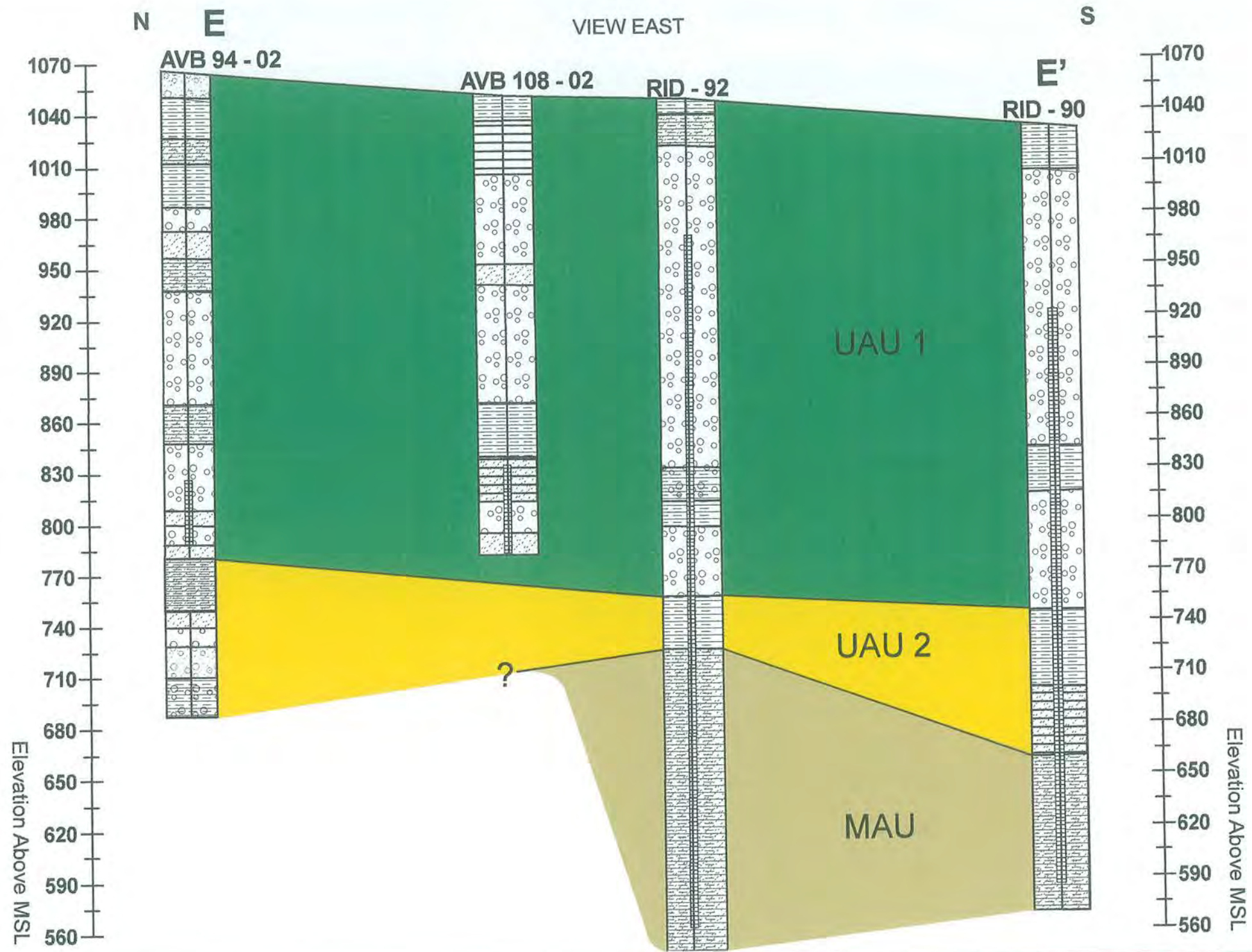
APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



FIGURE 3-5
CROSS - SECTION D - D'
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



Horizontal Scale 1" = 1,600'
Vertical Ex = 22x

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

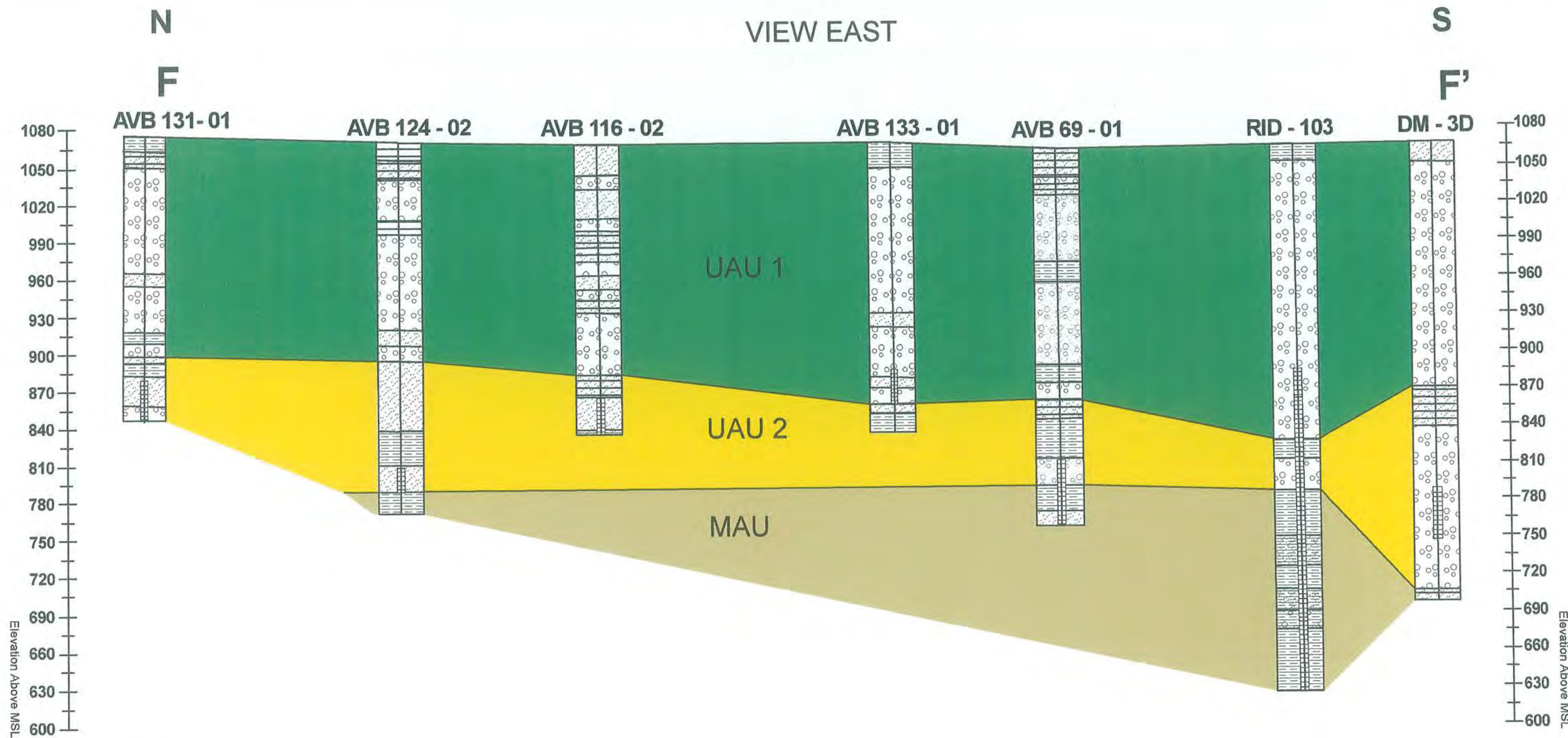
APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



FIGURE 3-6
CROSS - SECTION E - E'
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



Horizontal Scale 1" = 1,200'
 Vertical Ex = 13x

Legend



PROJECT.#: 0310-3154-13

DATE: 07/21/06

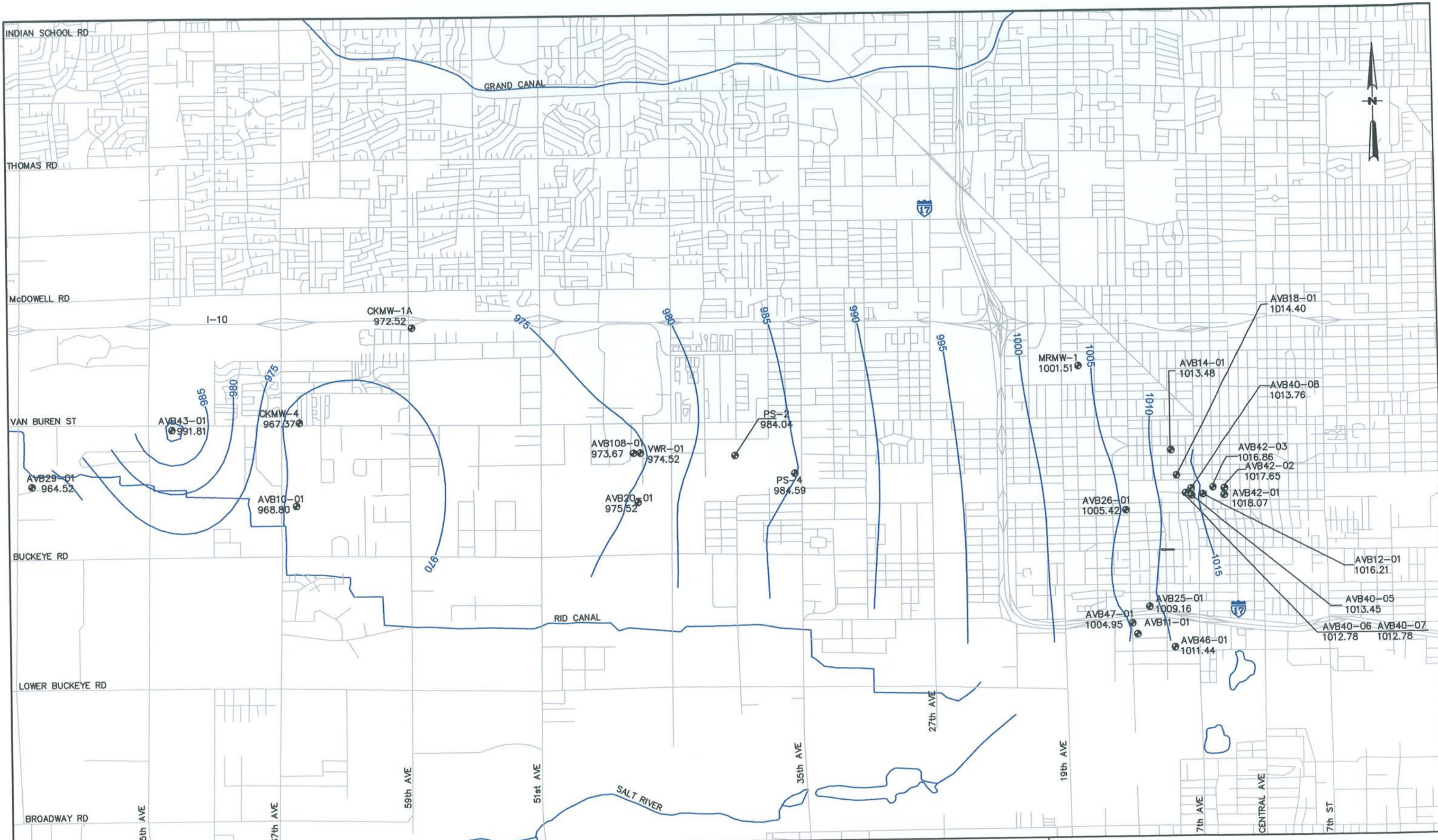
APPROVED BY: AJG

SCALE: As Shown

DRAWN BY: DAG



FIGURE 3-7
 CROSS - SECTION F - F'
 WEST VAN BUREN WQARF SITE
 PHOENIX, ARIZONA



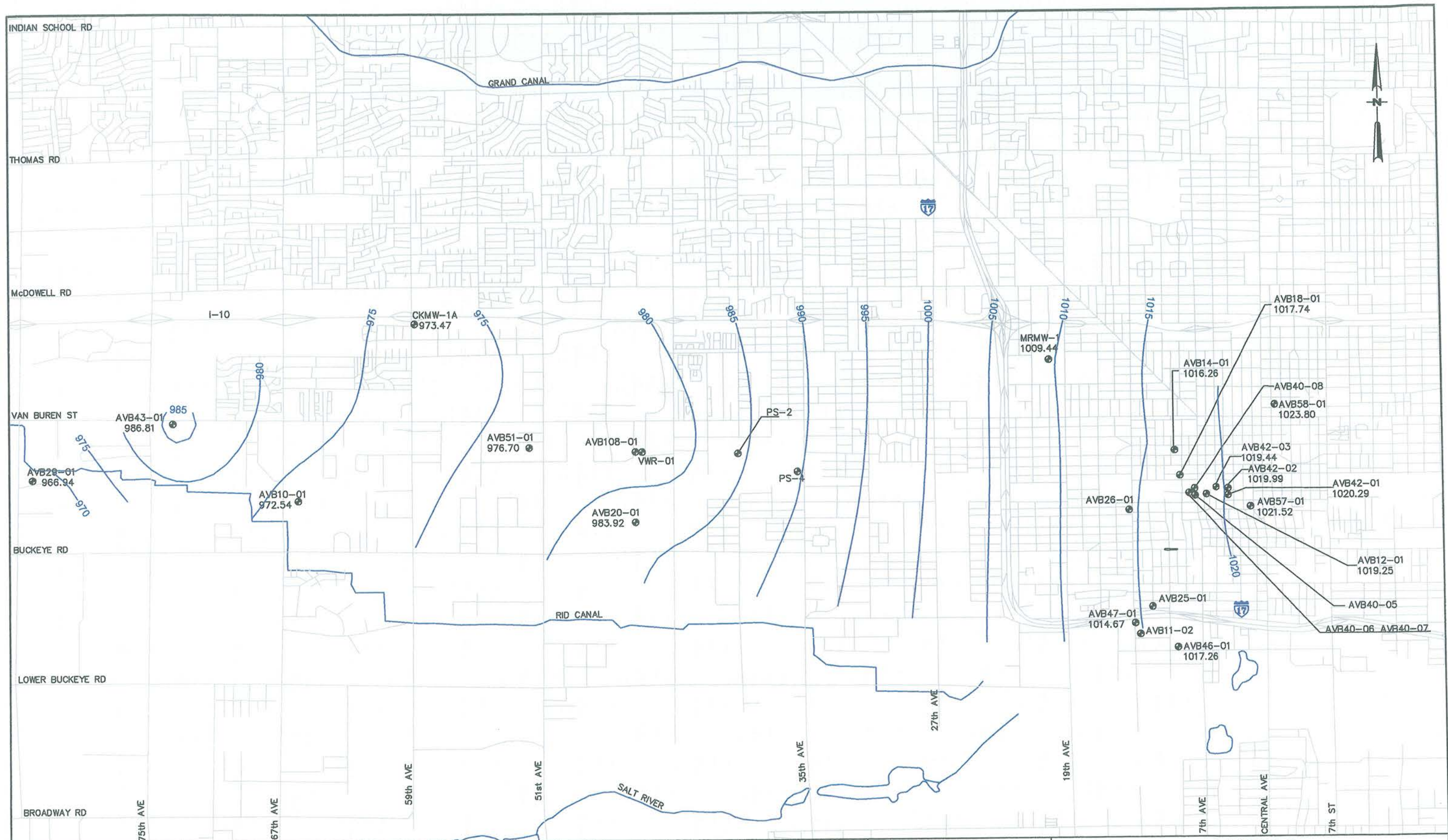
- LEGEND**
- - APPROXIMATE WELL LOCATION
 - AVB76-01 - WELL IDENTIFICATION NUMBER
 - 968.80 - GROUNDWATER ELEVATION
 - - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/25/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-8
UAU1 GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 1993
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 968.80 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

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DATE: 02/25/08

DRAWN BY: DAG

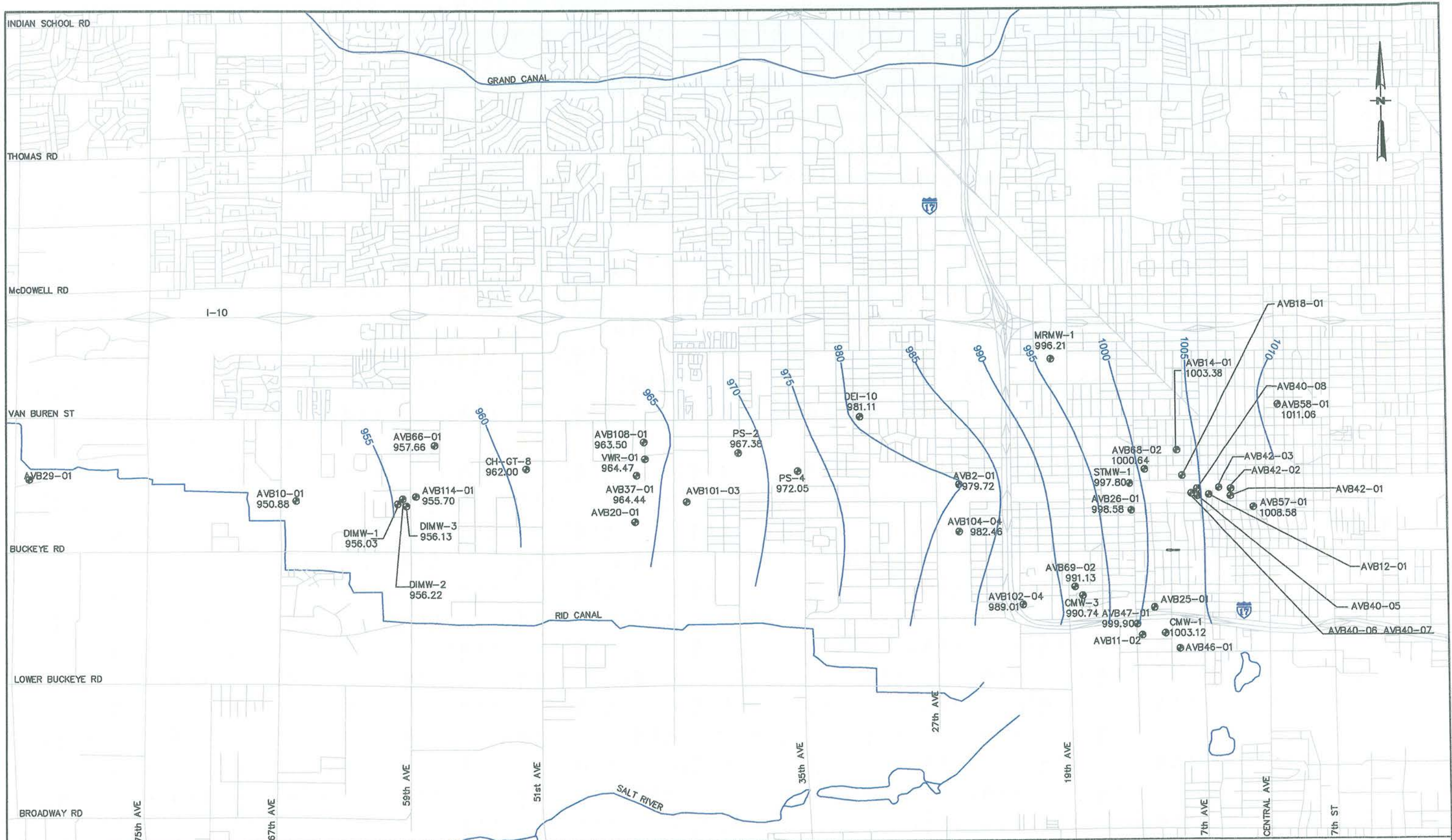
SCALE: 1"=3600'

DESIGNED BY: AJG

APPROVED BY: AJG



FIGURE 3-9
UAU1 GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 1993
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 968.80 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

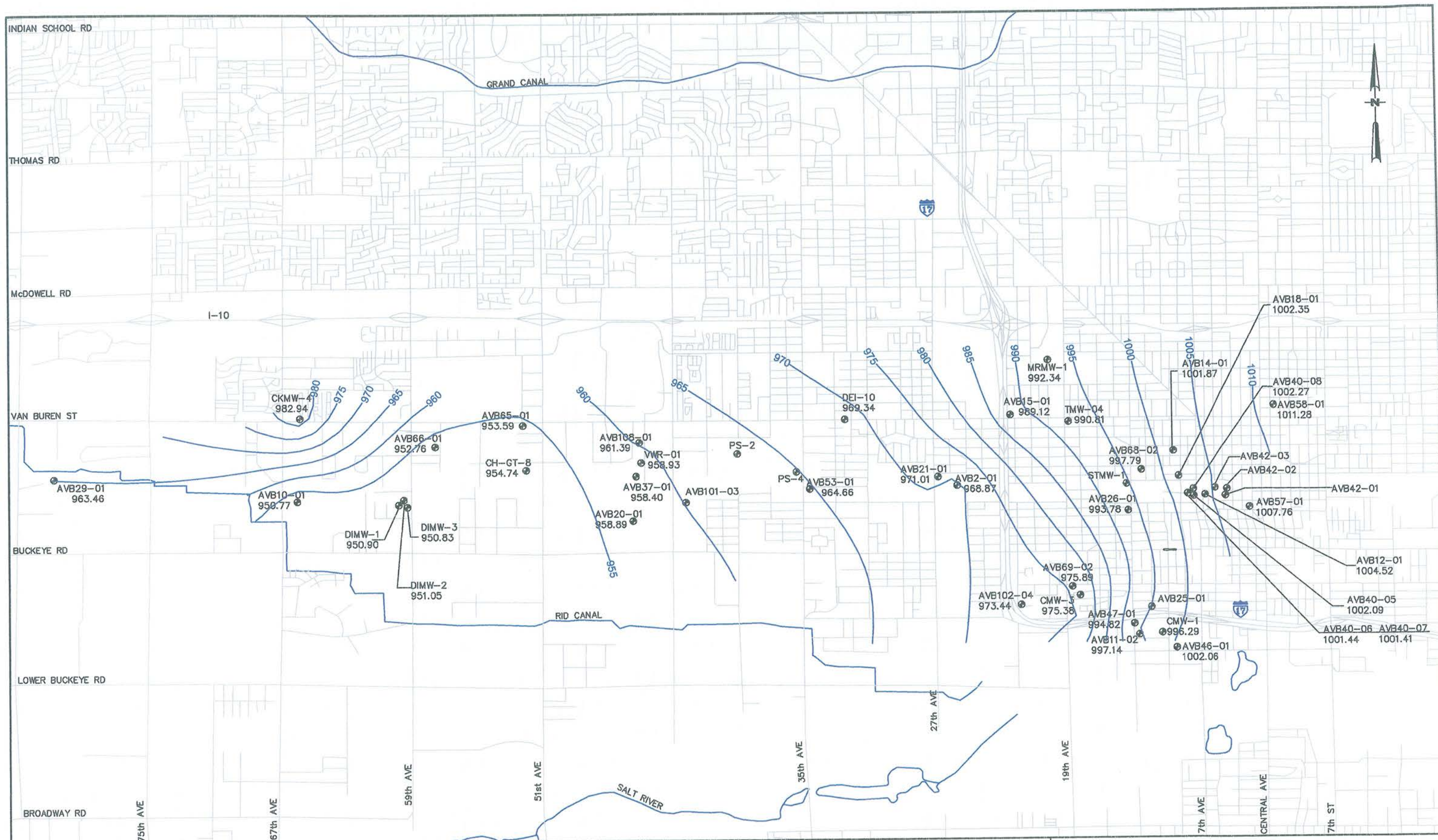
NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

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APPROVED BY:	AJG		



FIGURE 3-10
UAU1 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



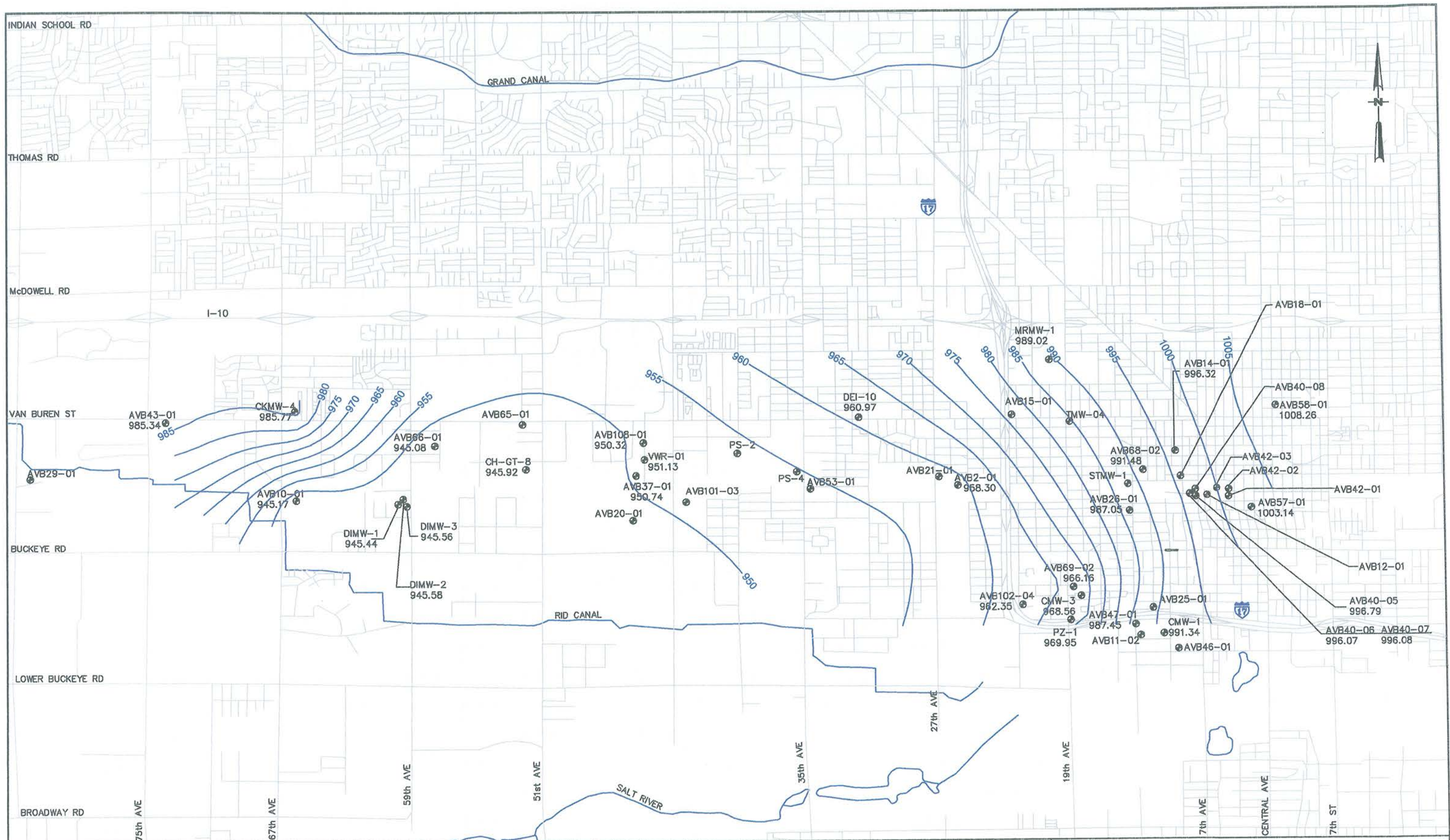
- LEGEND**
- - APPROXIMATE WELL LOCATION
 - AVB76-01 - WELL IDENTIFICATION NUMBER
 - 968.80 - GROUNDWATER ELEVATION
 - - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

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DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-11
UAU1 GROUNDWATER ELEVATION CONTOURS
SECOND QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

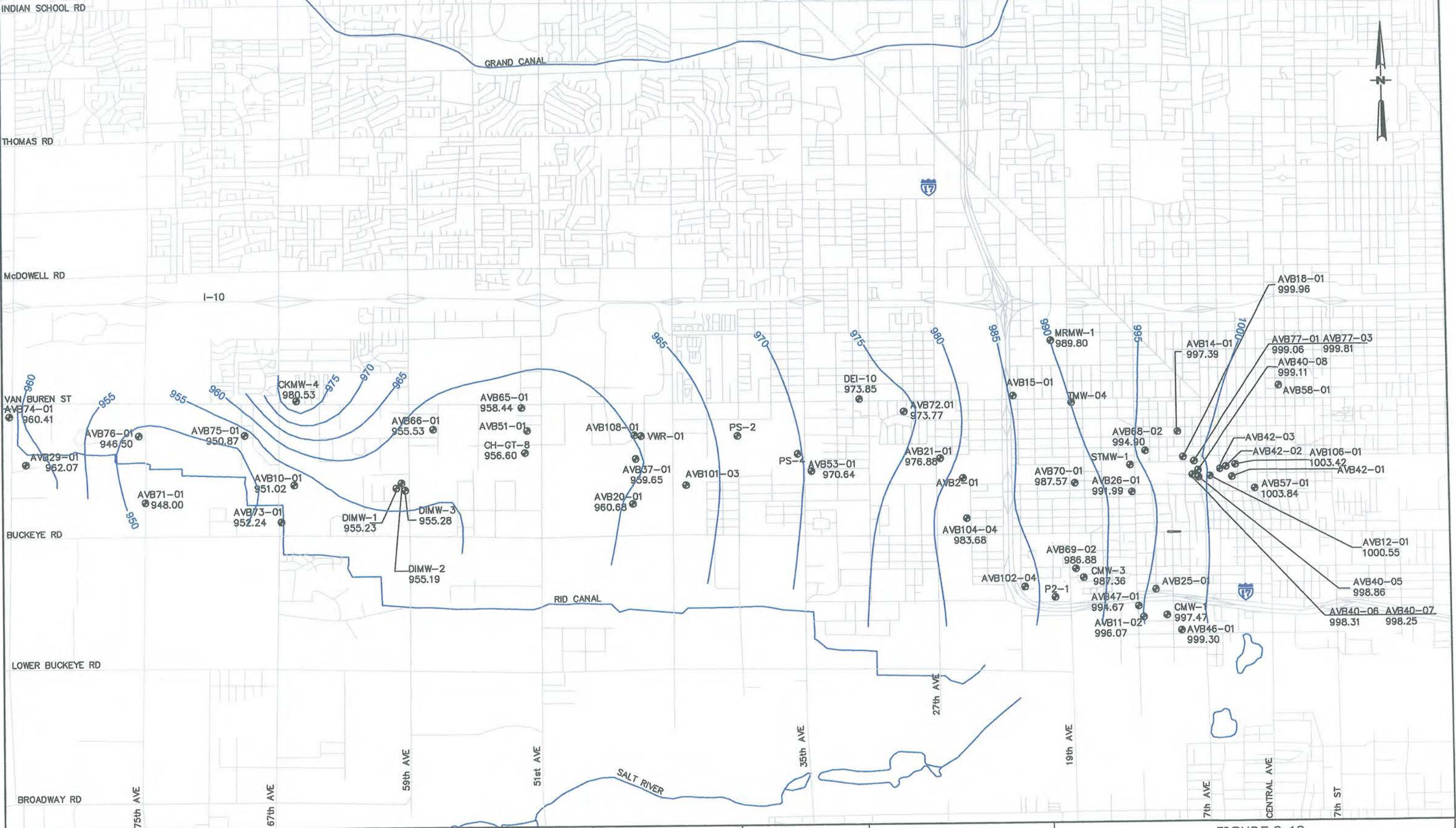
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- AVB76-01 - WELL IDENTIFICATION NUMBER
- 968.80 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
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TRANSPORTATION DIGITAL ROAD MAP.

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APPROVED BY:	AJG		



FIGURE 3-12
UAU1 GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



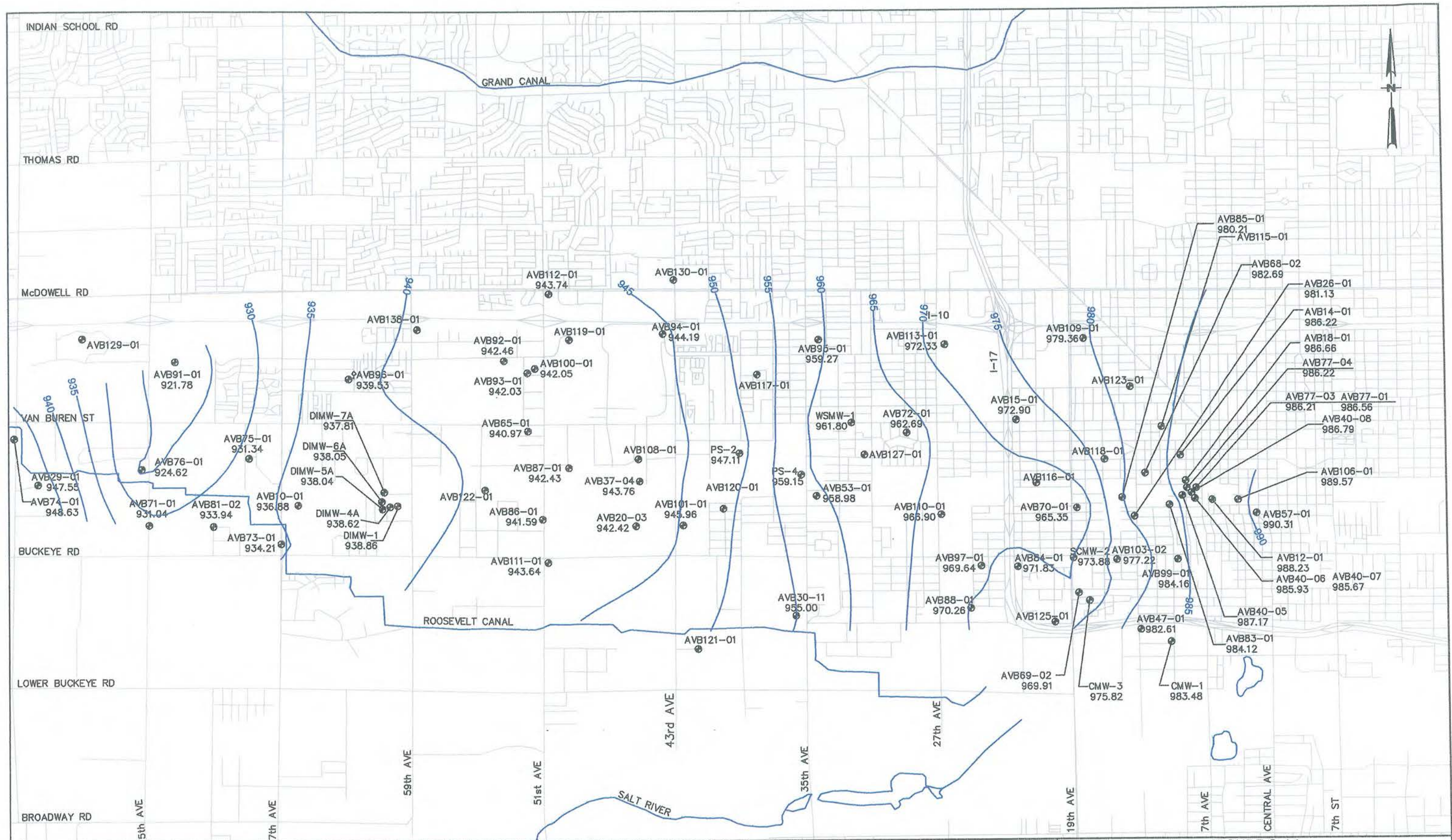
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- - APPROXIMATE WELL LOCATION
 - AVB76-01 - WELL IDENTIFICATION NUMBER
 - 968.80 - GROUNDWATER ELEVATION
 - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
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APPROVED BY:	AJG		



FIGURE 3-13
UAU1 GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 950.34 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOURS

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16 DATE: 03/07/08

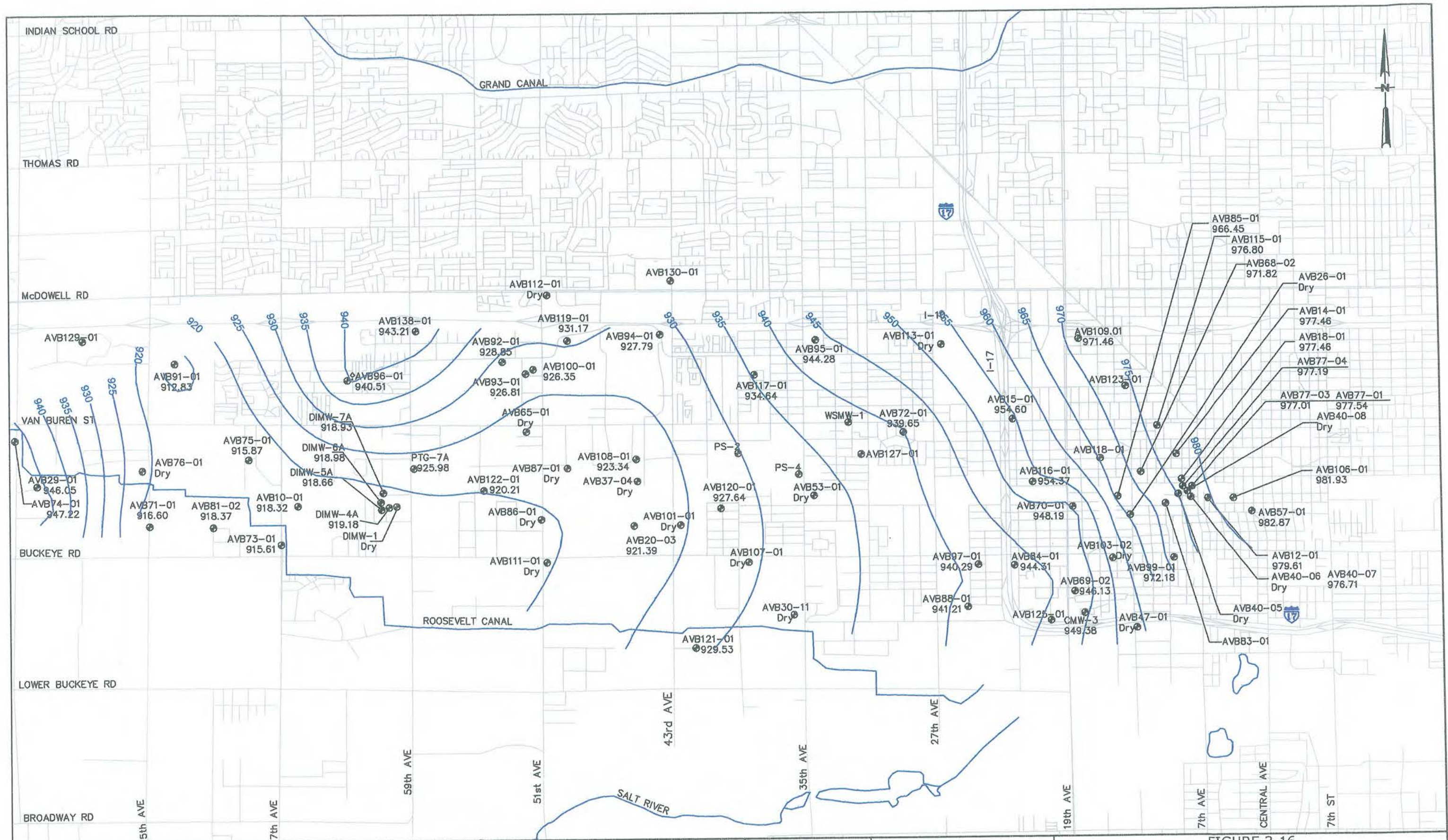
DRAWN BY: DAG SCALE: 1"=3600'

DESIGNED BY: AJG

APPROVED BY: AJG



FIGURE 3-14
UAU 1 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

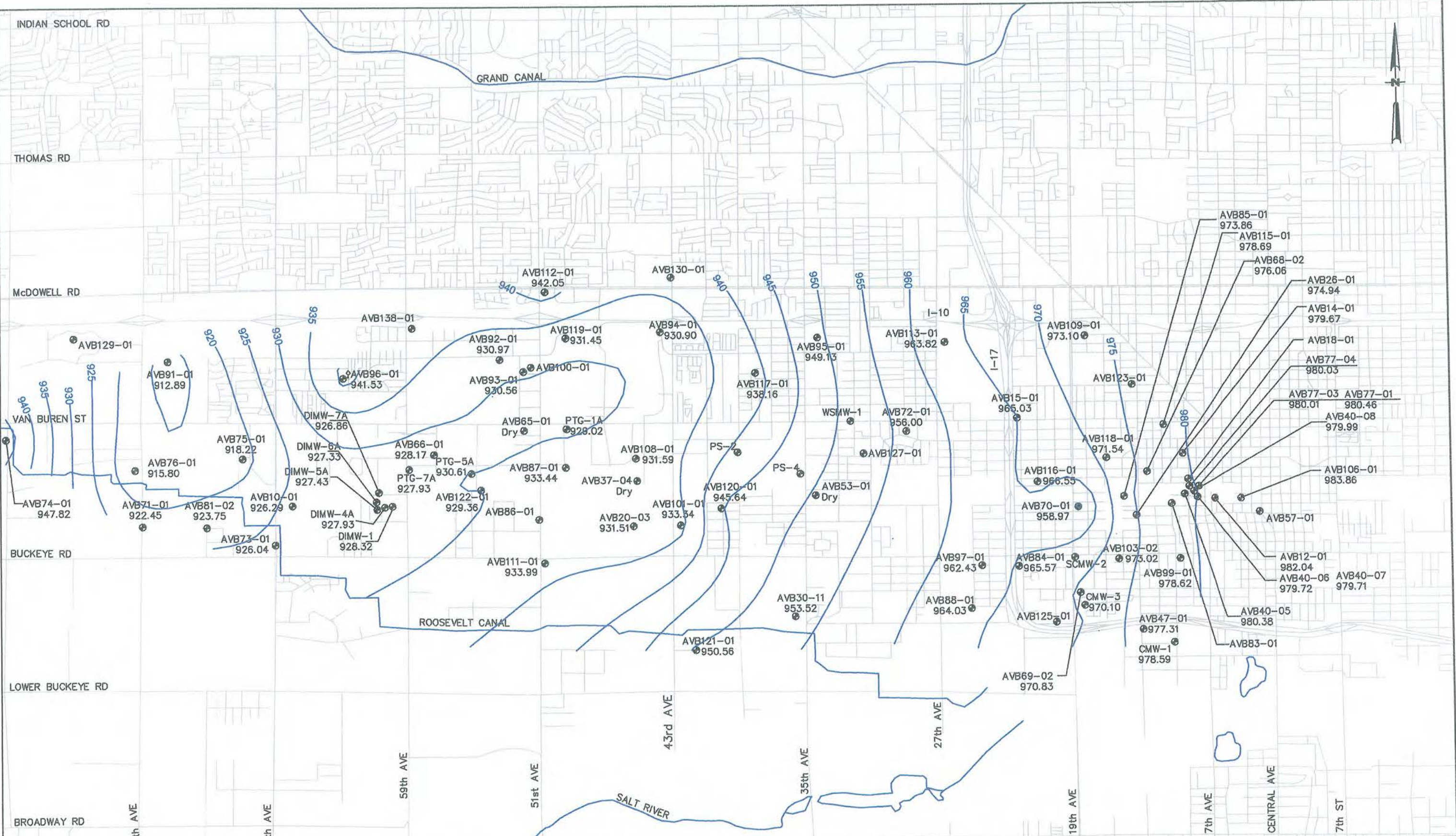
- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 950.34 - GROUNDWATER ELEVATION
- 950.34 - GROUNDWATER ELEVATION CONTOURS

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

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APPROVED BY:	AJG		



FIGURE 3-16
UAU 1 GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

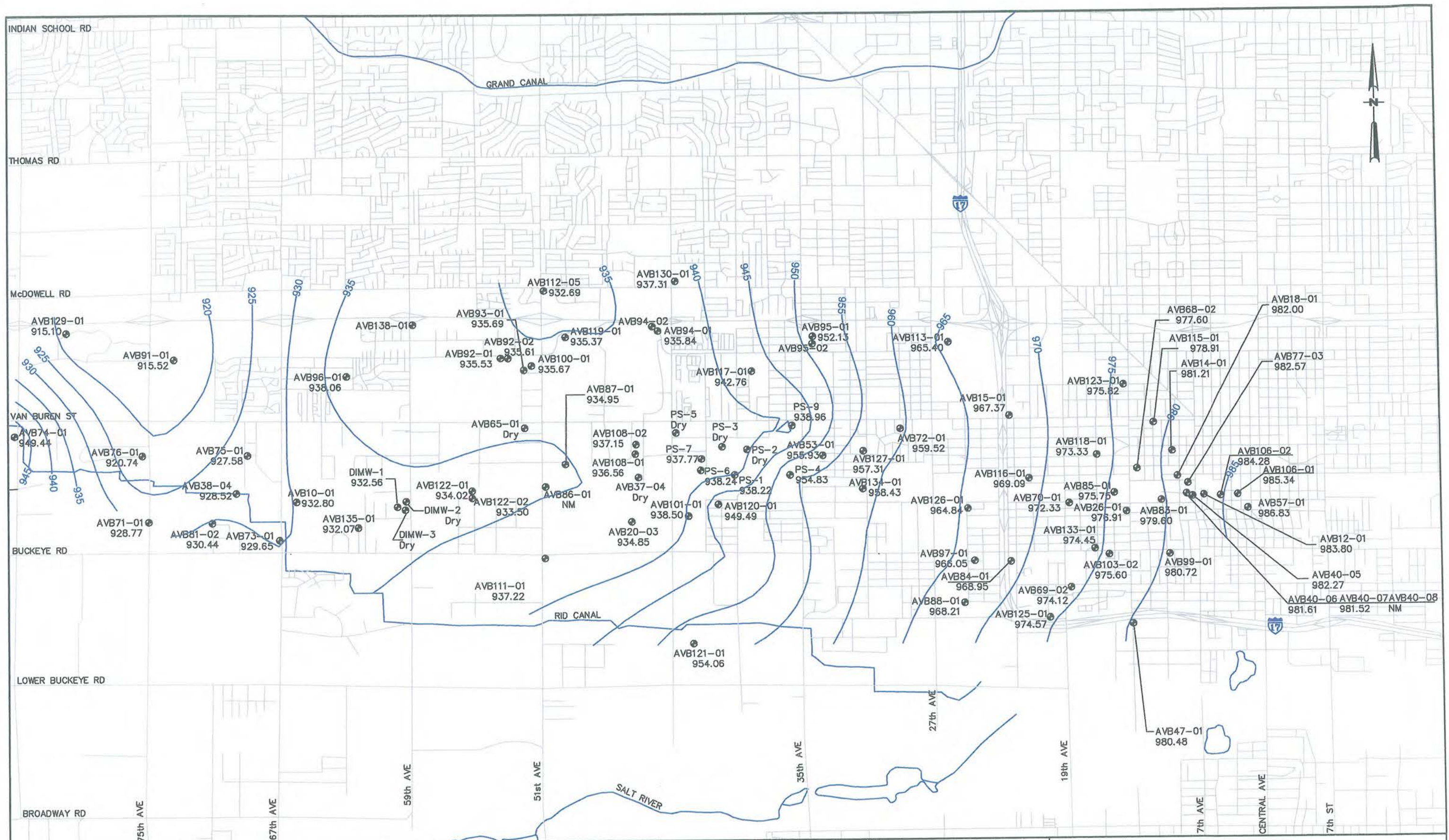
- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 950.34 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOURS

NOTE
SOURCE DATA FOR BASEMAP FROM
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APPROVED BY:	AJG		



FIGURE 3-17
UAU 1 GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

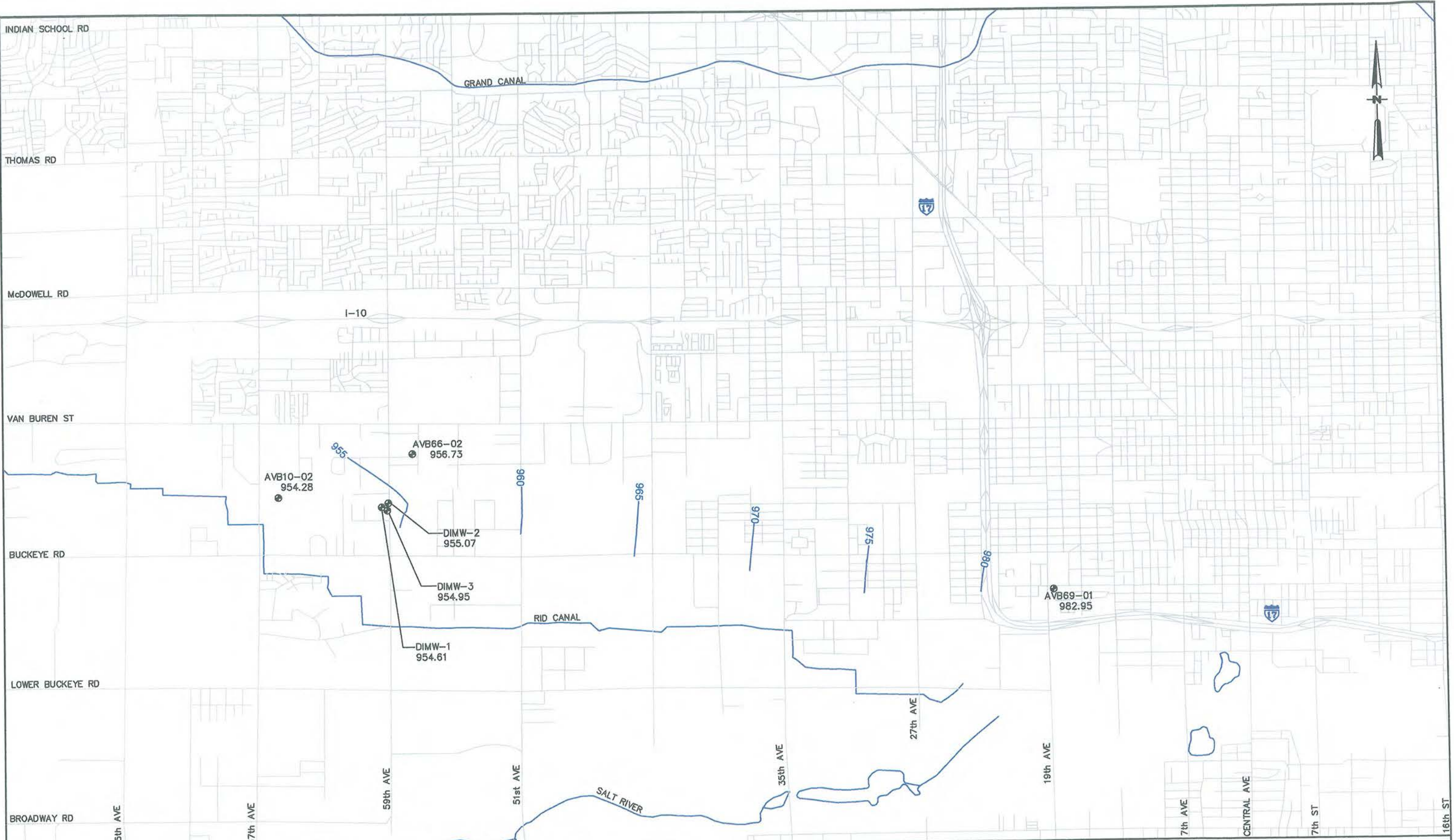
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- AVB76-01 - WELL IDENTIFICATION NUMBER
- 929.64 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOURS
- NM - NOT MEASURED

NOTE
SOURCE DATA FOR BASEMAP FROM
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TRANSPORTATION DIGITAL ROAD MAP.

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DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-18
UAU 1 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2008
WEST VAN BUREN AREA WQARF SITE
PHOENIX, ARIZONA



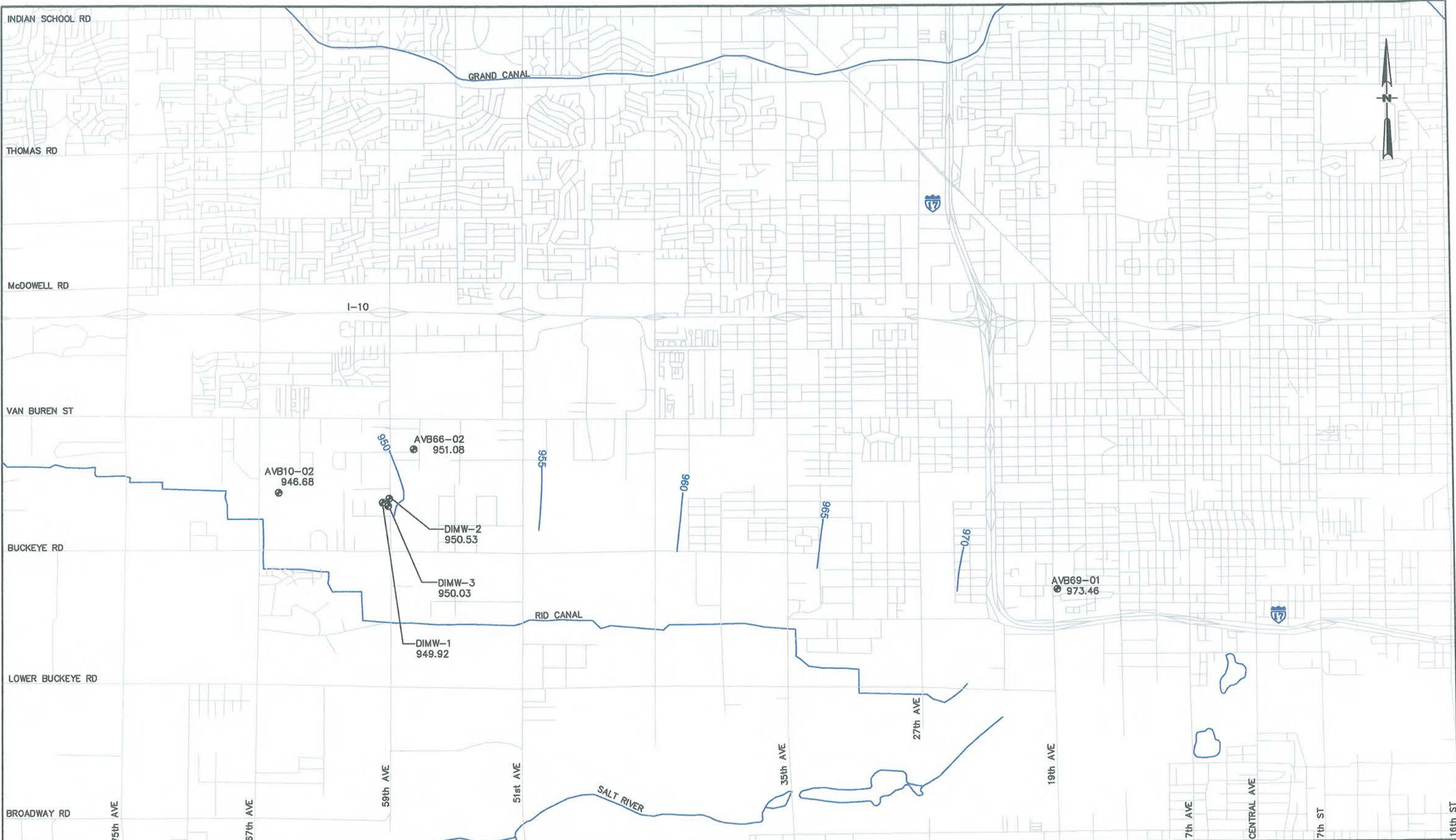
- LEGEND**
- - APPROXIMATE WELL LOCATION
 - AVB98-01 - WELL IDENTIFICATION NUMBER
 - 954.28 - GROUNDWATER ELEVATION
 - - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

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DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-19
UAU 2 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 954.28 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

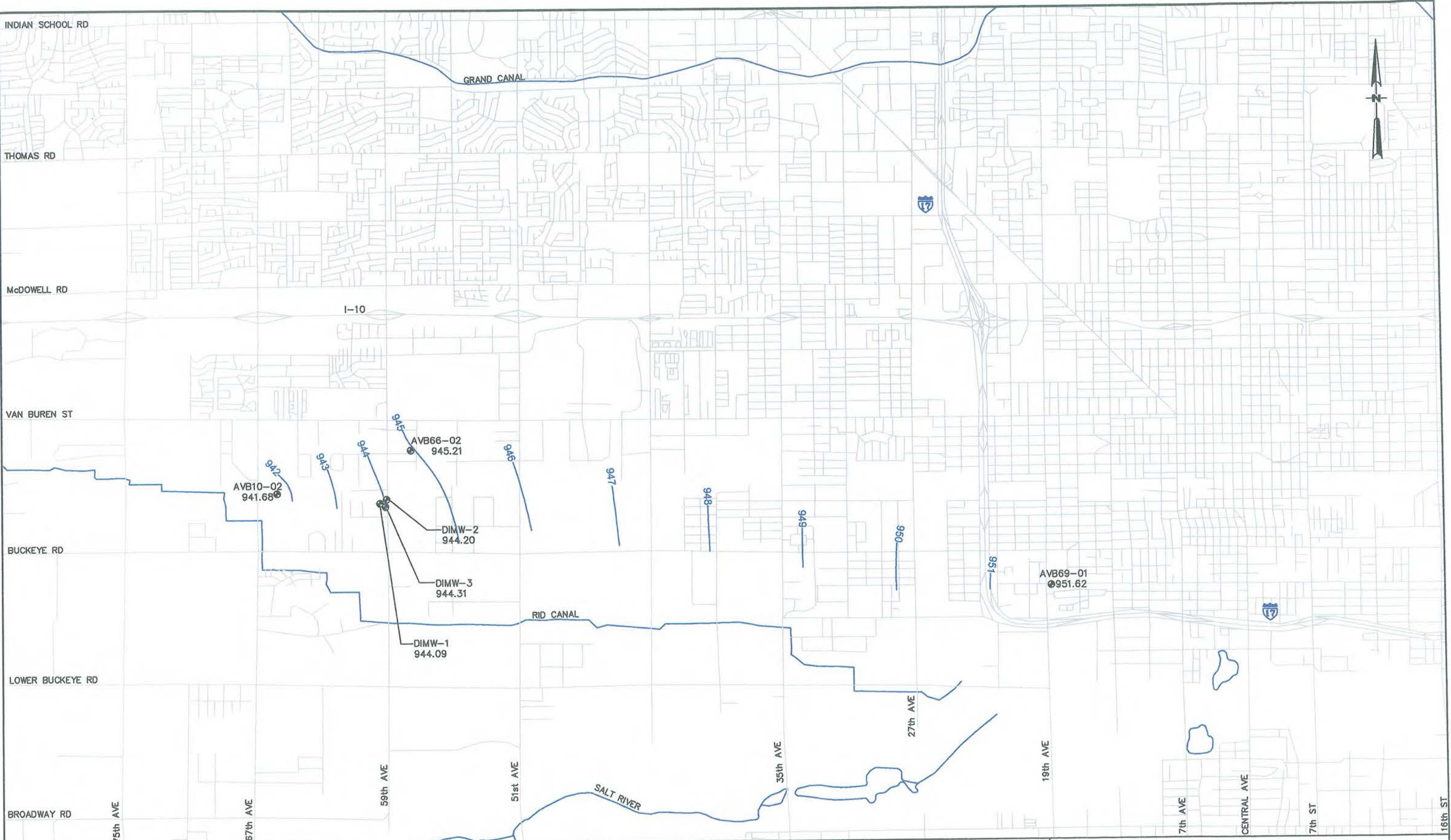
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DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

FIGURE 3-20

UAU 2 GROUNDWATER ELEVATION CONTOURS
SECOND QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

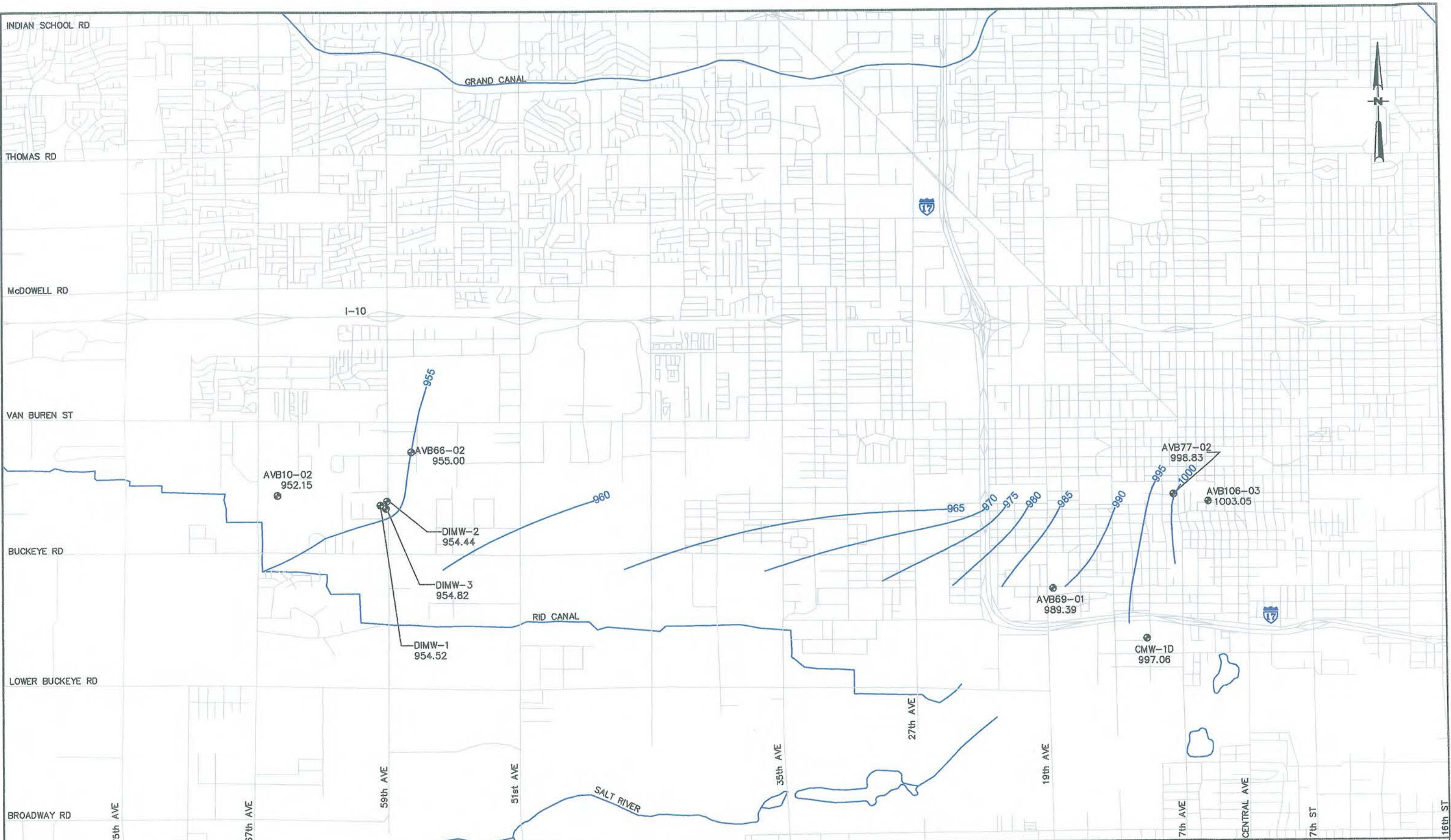
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 954.28 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/26/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-21
UAU 2 GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

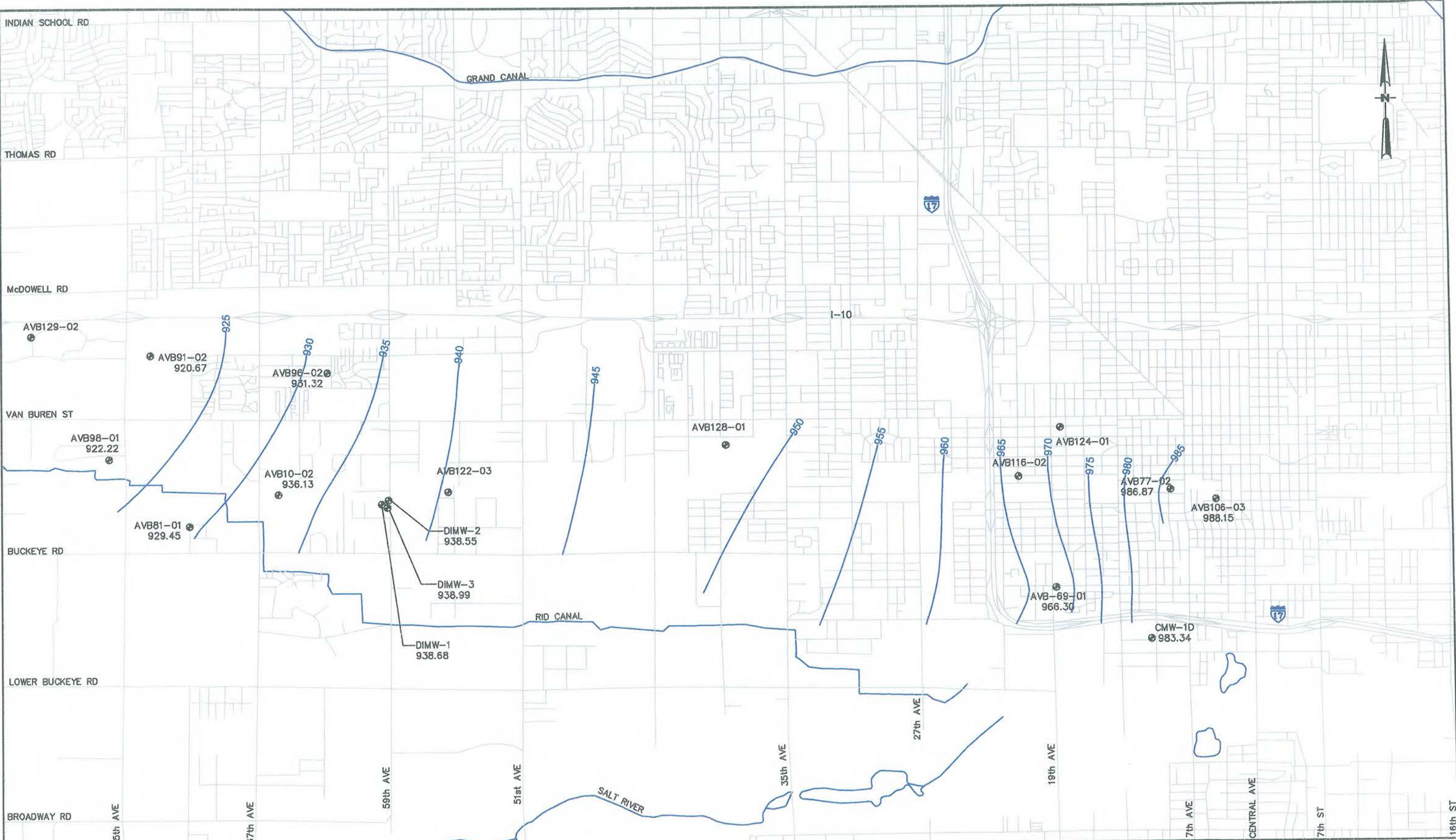
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 954.28 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/26/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-22
UAU 2 GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

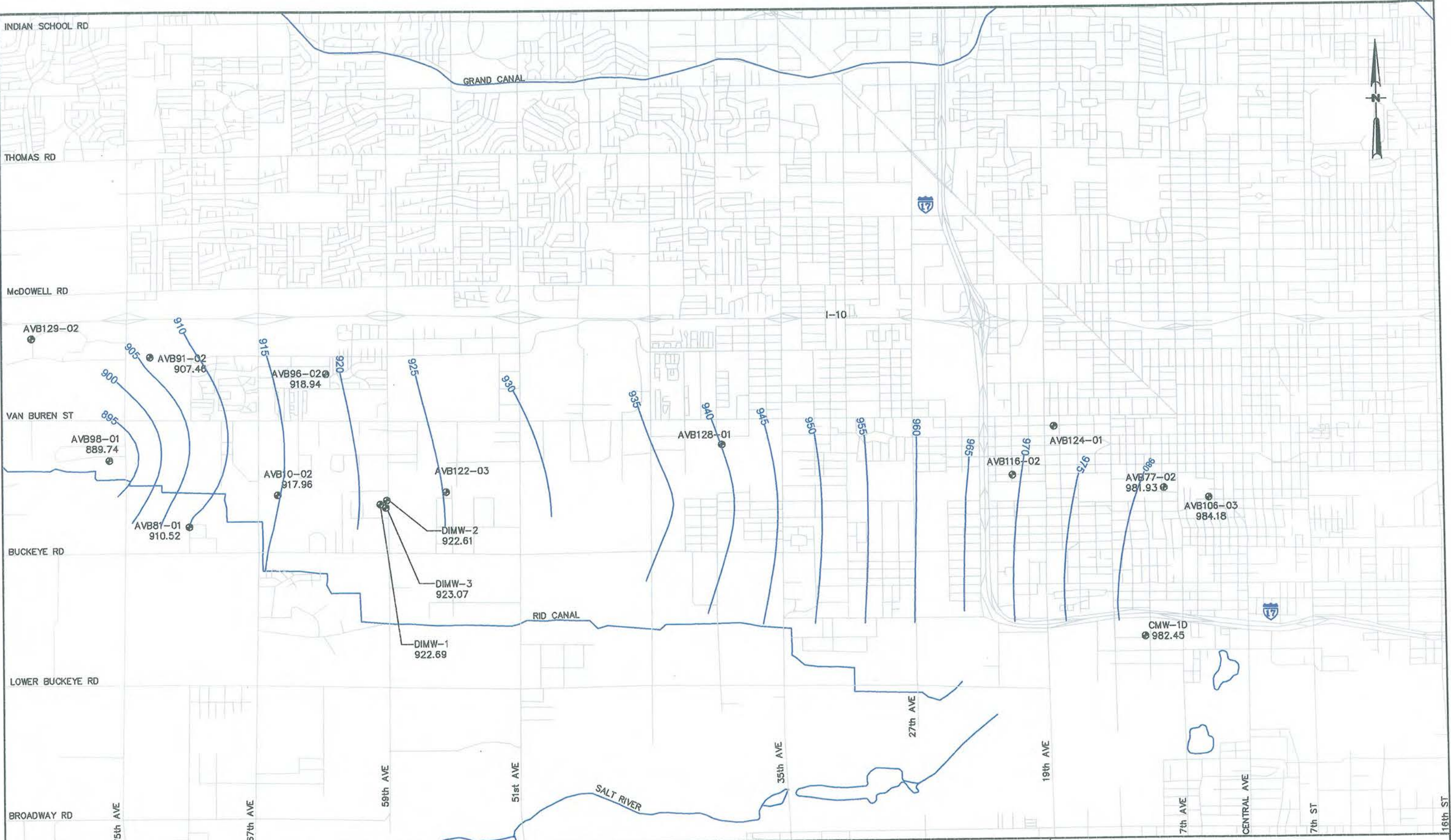
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 924.94 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/29/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

FIGURE 3-23
UAU 2 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

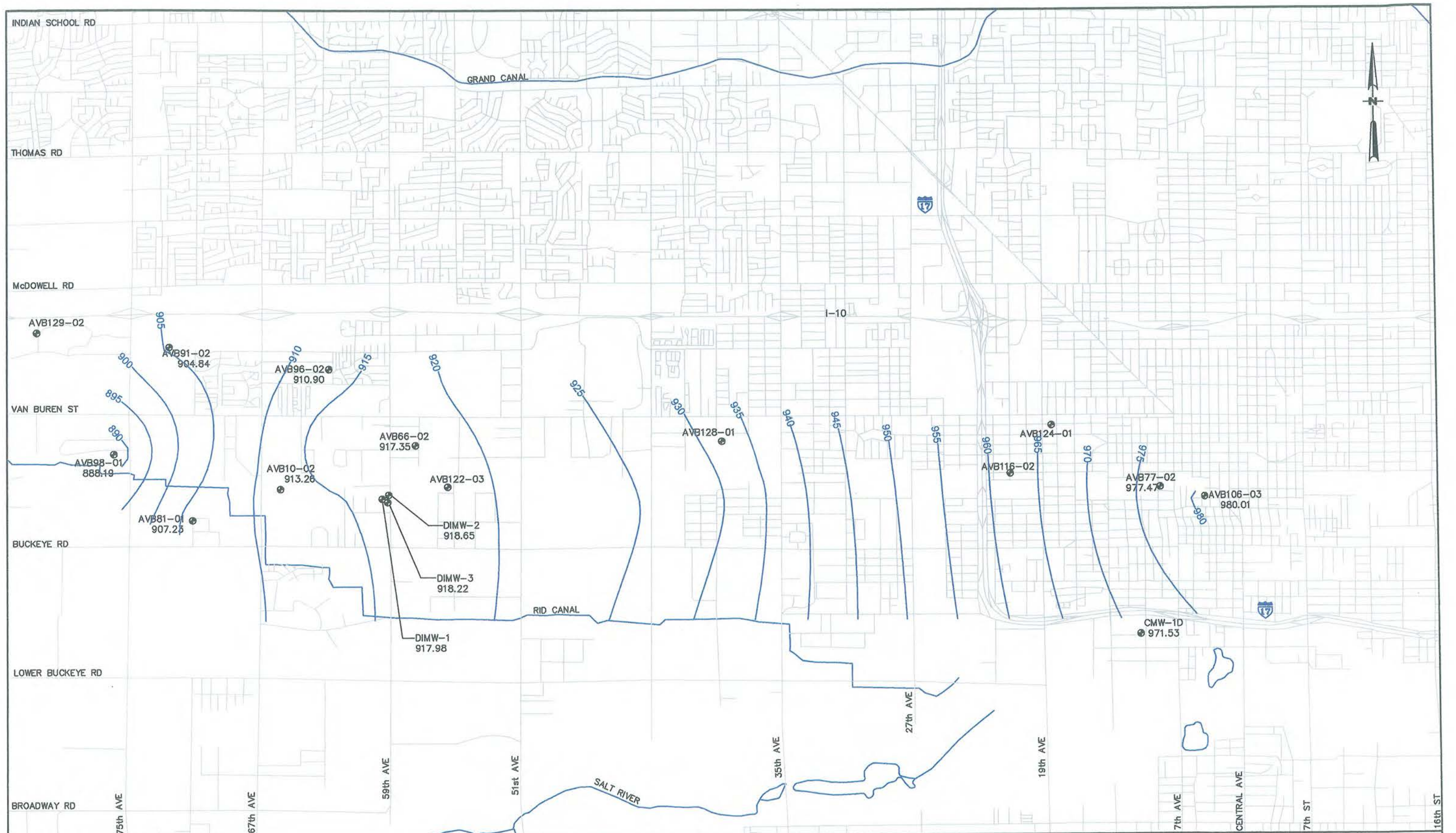
- APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 924.94 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	03/07/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-24
UAU 2 GROUNDWATER ELEVATION CONTOURS
SECOND QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

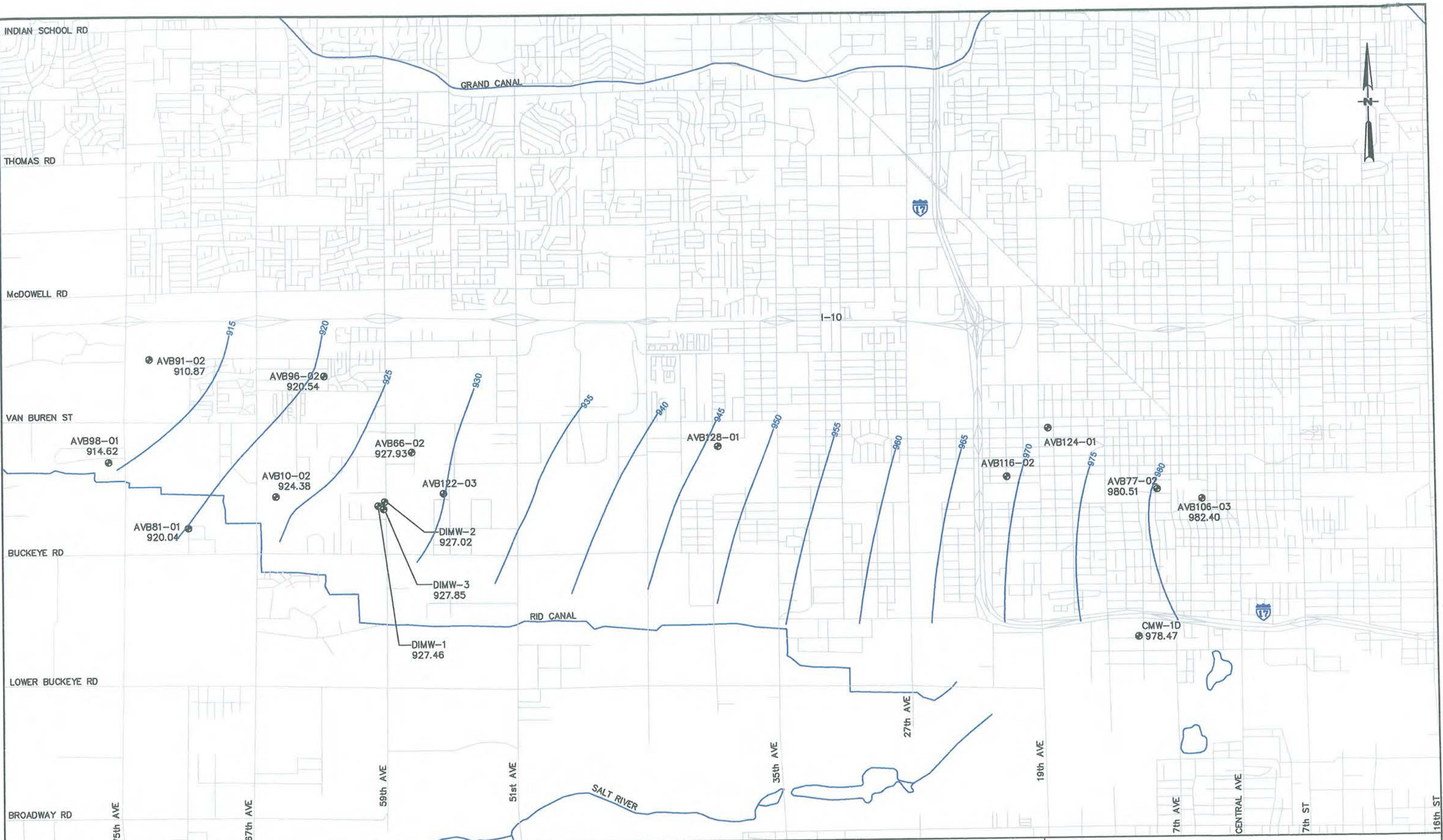
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 924.94 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	03/07/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-25
UAU 2 GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

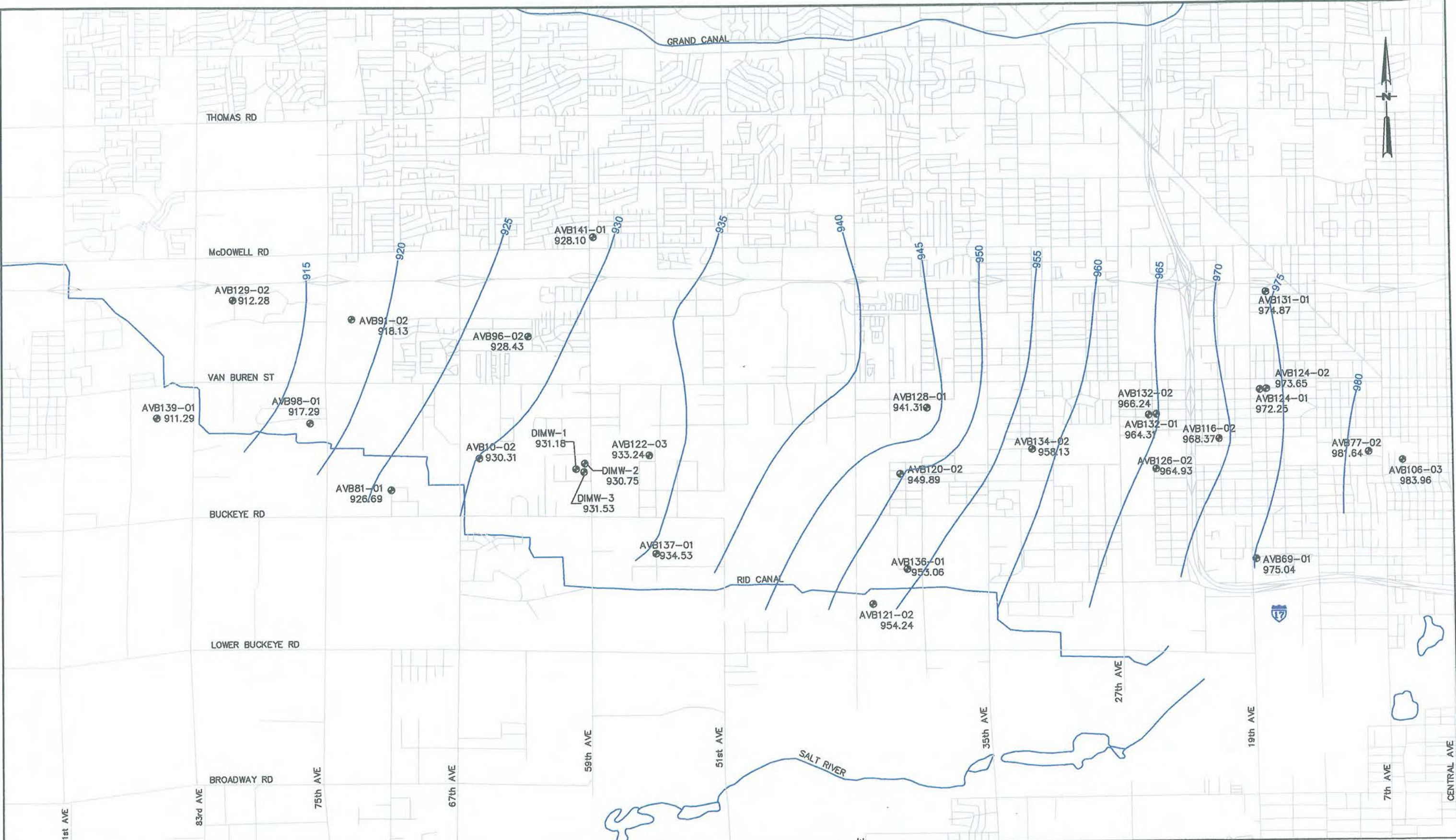
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 924.94 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	03/07/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-26
UAU 2 GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

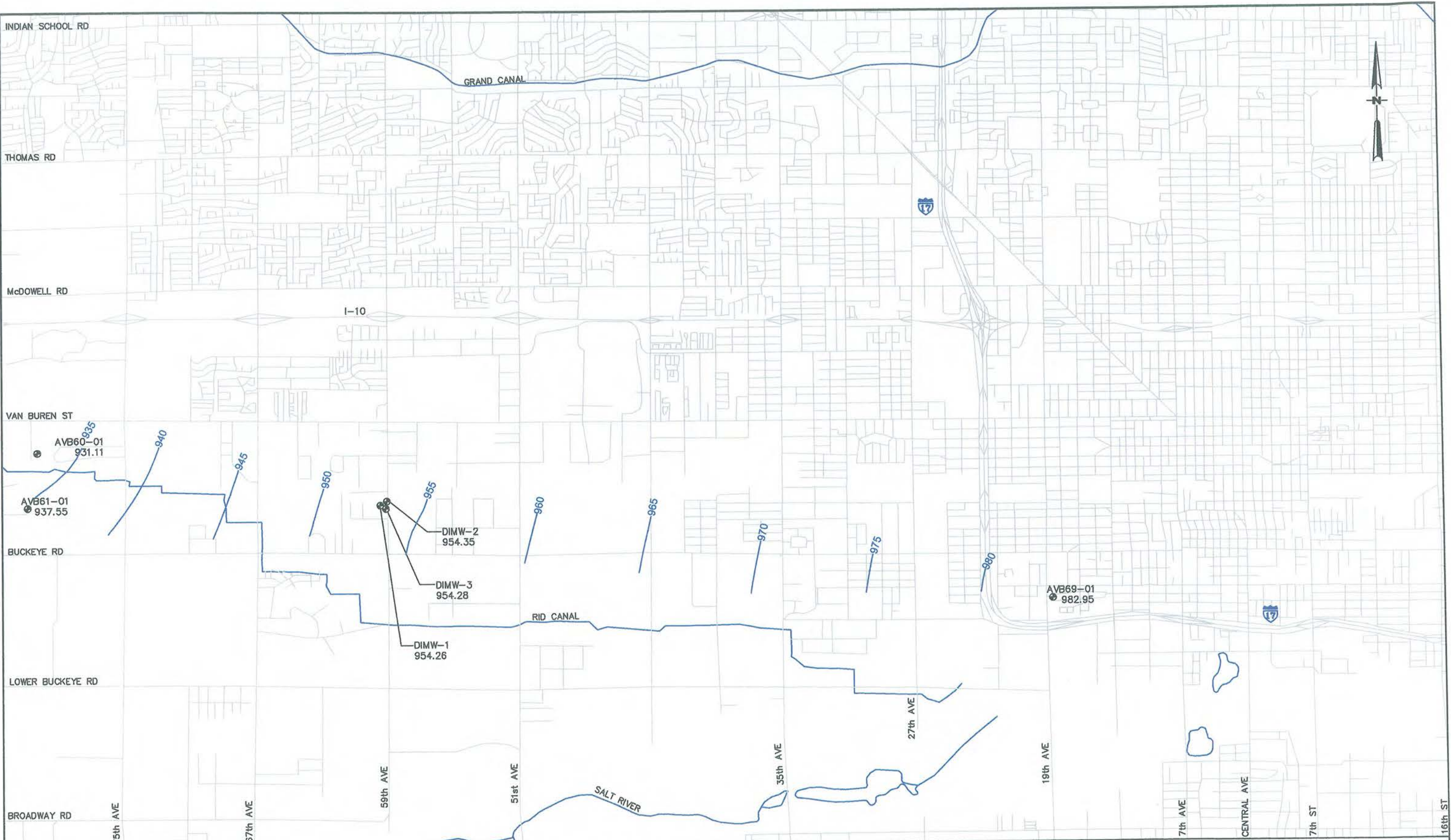
- - APPROXIMATE WELL LOCATION
- AVB76-01 929.73 - WELL IDENTIFICATION NUMBER
- GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOURS
- NM - NOT MEASURED

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	04/07/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

FIGURE 3-27
UAU 2 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2008
WEST VAN BUREN AREA WQARF SITE
PHOENIX, ARIZONA



LEGEND

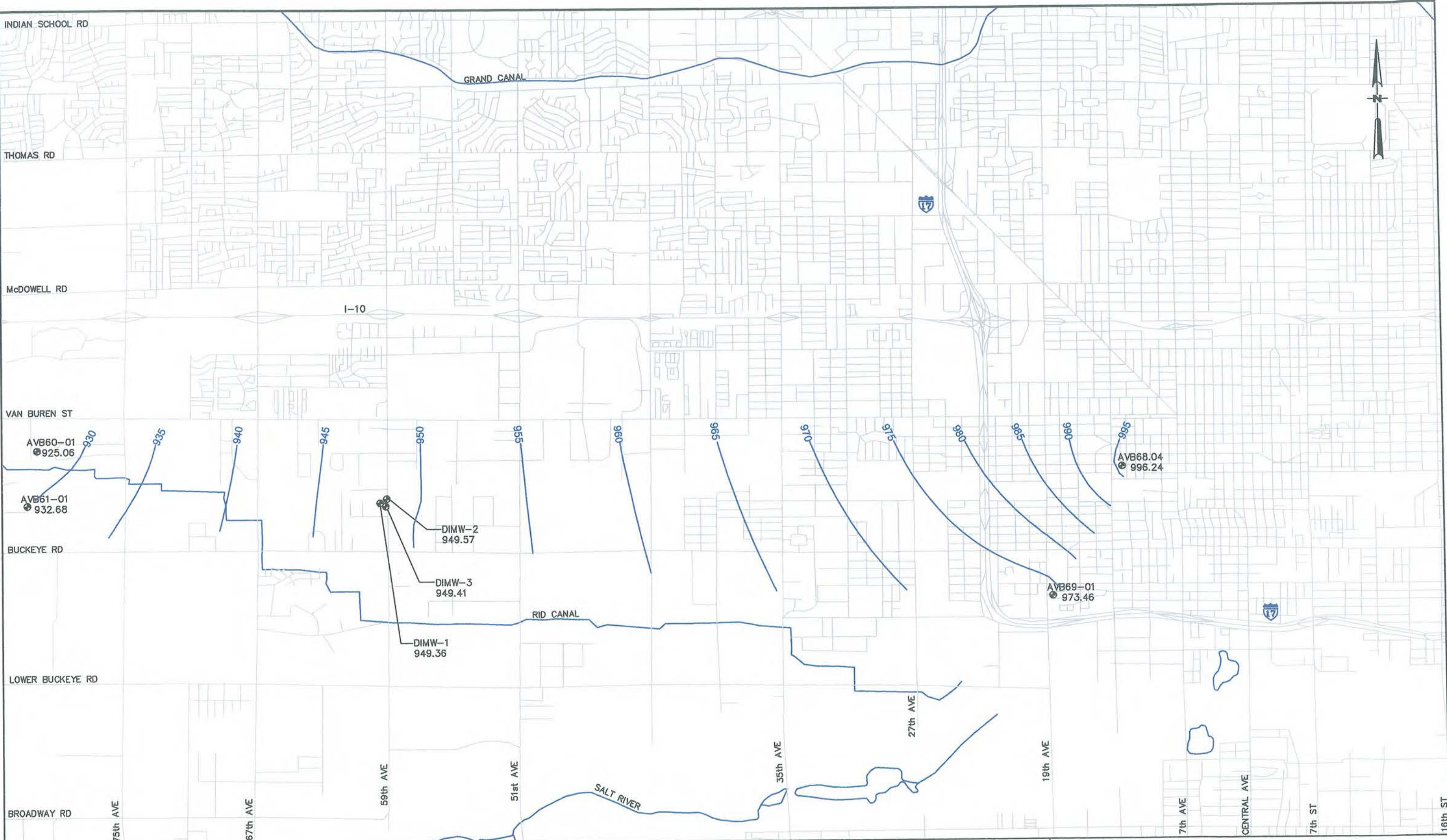
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 931.11 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/26/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-28
MAU GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

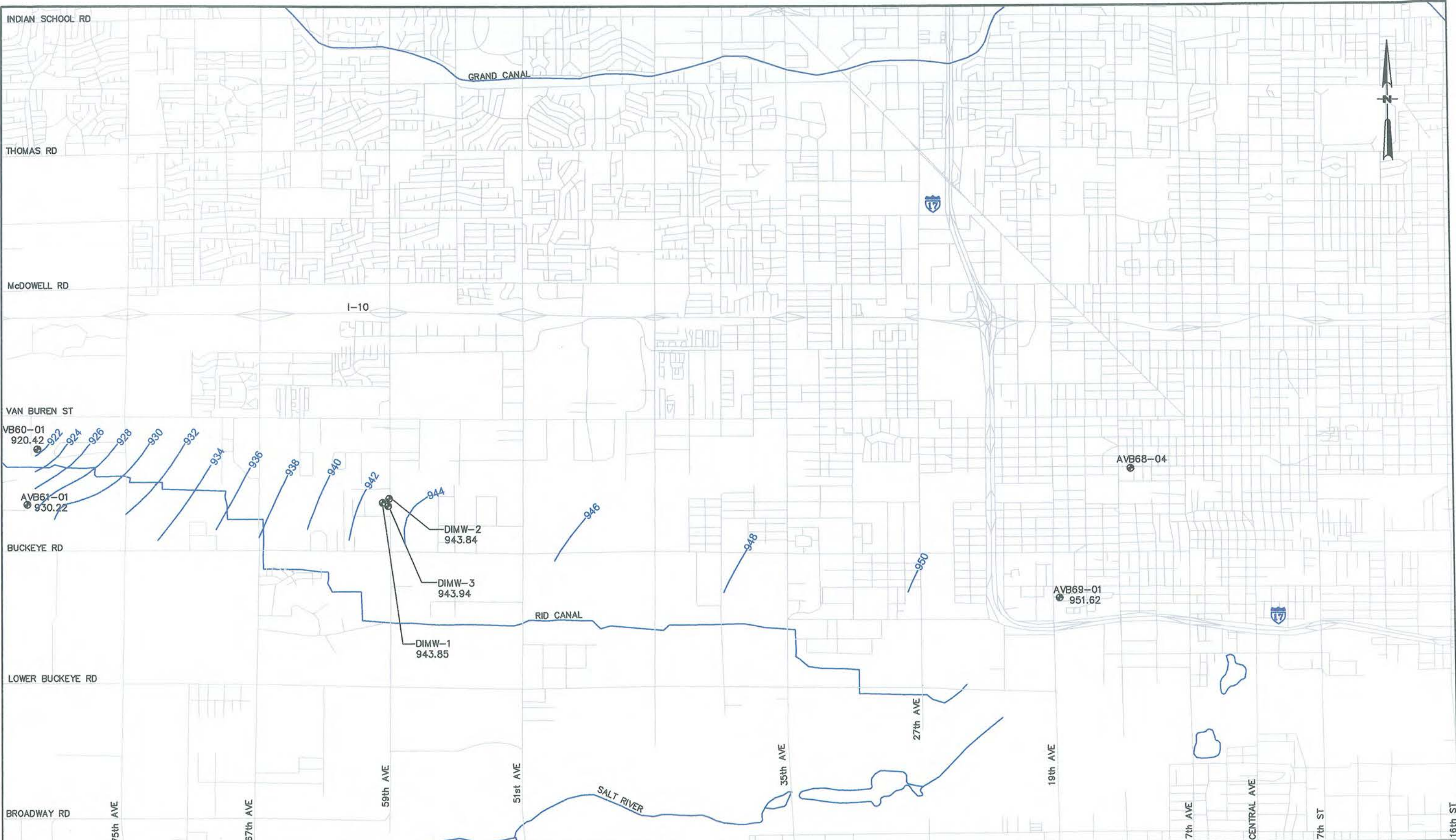
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 931.11 - GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR


NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/26/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

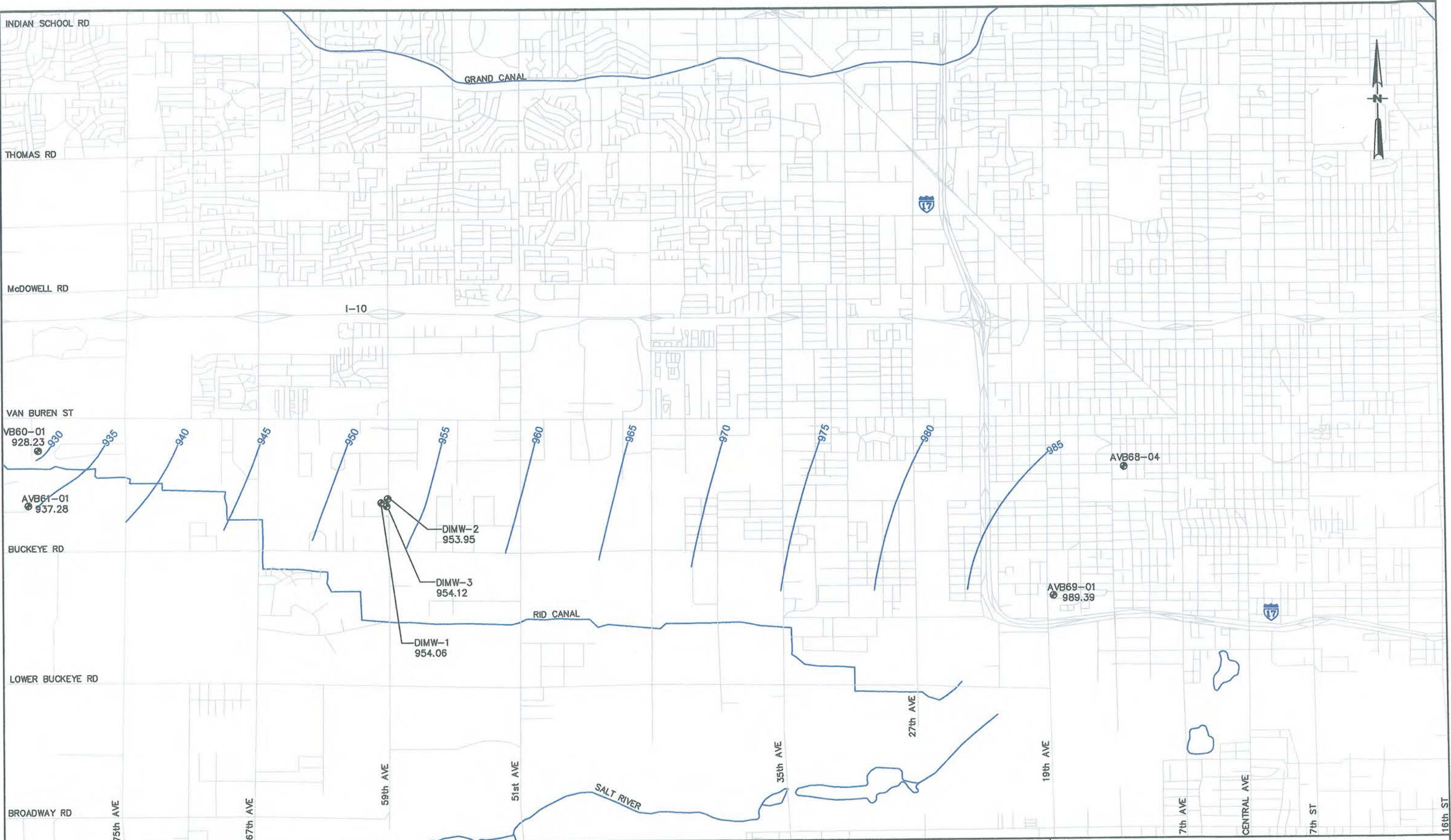


FIGURE 3-29
MAU GROUNDWATER ELEVATION CONTOURS
SECOND QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND ● - APPROXIMATE WELL LOCATION AVB98-01 - WELL IDENTIFICATION NUMBER 931.11 - GROUNDWATER ELEVATION — - GROUNDWATER ELEVATION CONTOUR	NOTE SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.	PROJ. #: 03103154-16	DATE: 02/26/08		FIGURE 3-30 MAU GROUNDWATER ELEVATION CONTOURS THIRD QUARTER 1998 WEST VAN BUREN WQARF SITE PHOENIX, ARIZONA
		DRAWN BY: DAG	SCALE: 1"=3600'		
		DESIGNED BY: AJG			
		APPROVED BY: AJG			

U:\projects\03103154\Phase 16\RI Report\final drafts\Figure 3-30 Groundwater Elevation Contours.dwg



LEGEND

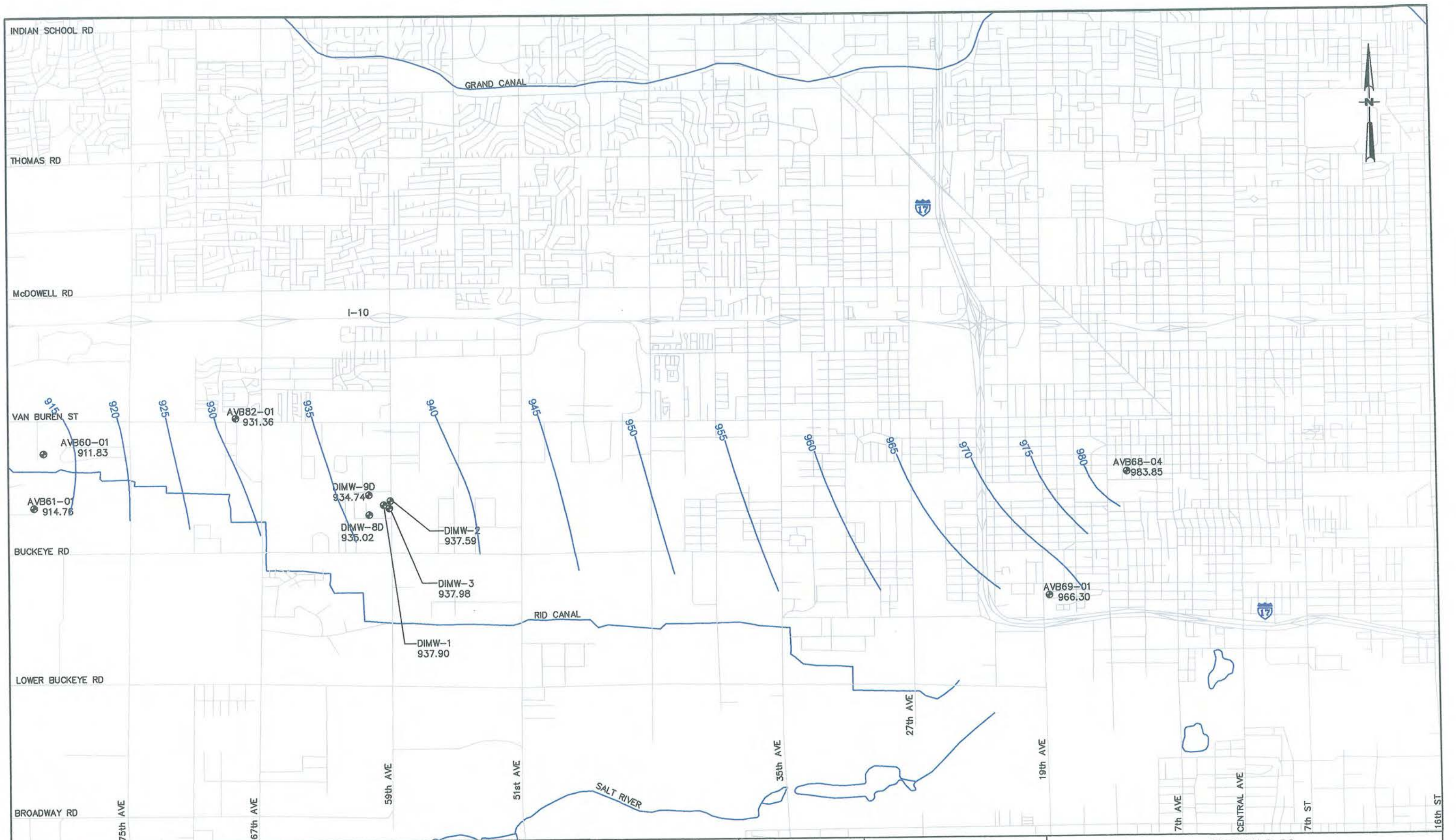
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 931.11 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/26/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 3-31
MAU GROUNDWATER ELEVATION CONTOURS
FOURTH QUARTER 1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 931.11 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16

DRAWN BY: DAG

DESIGNED BY: AJG

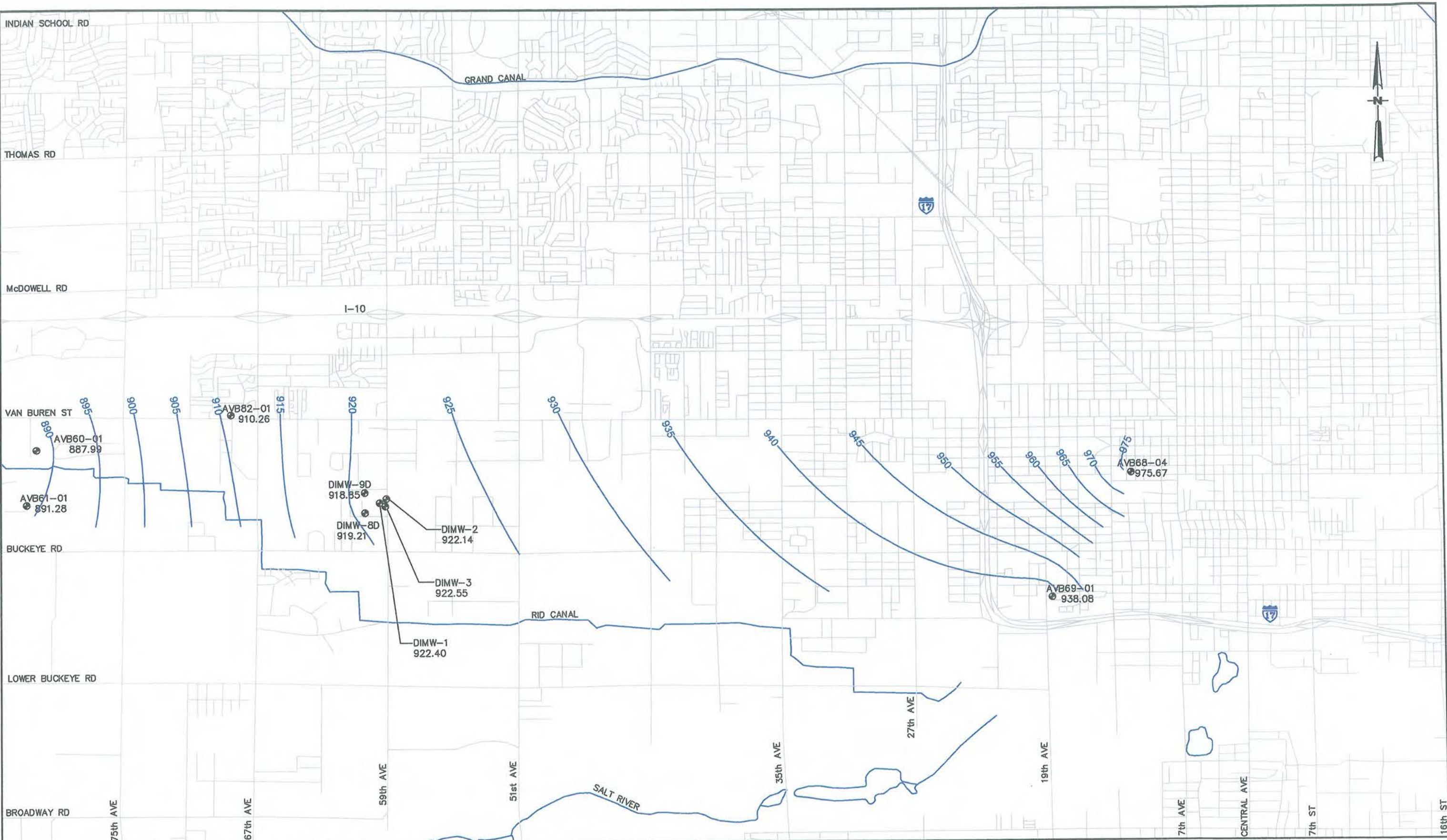
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DATE: 03/07/08

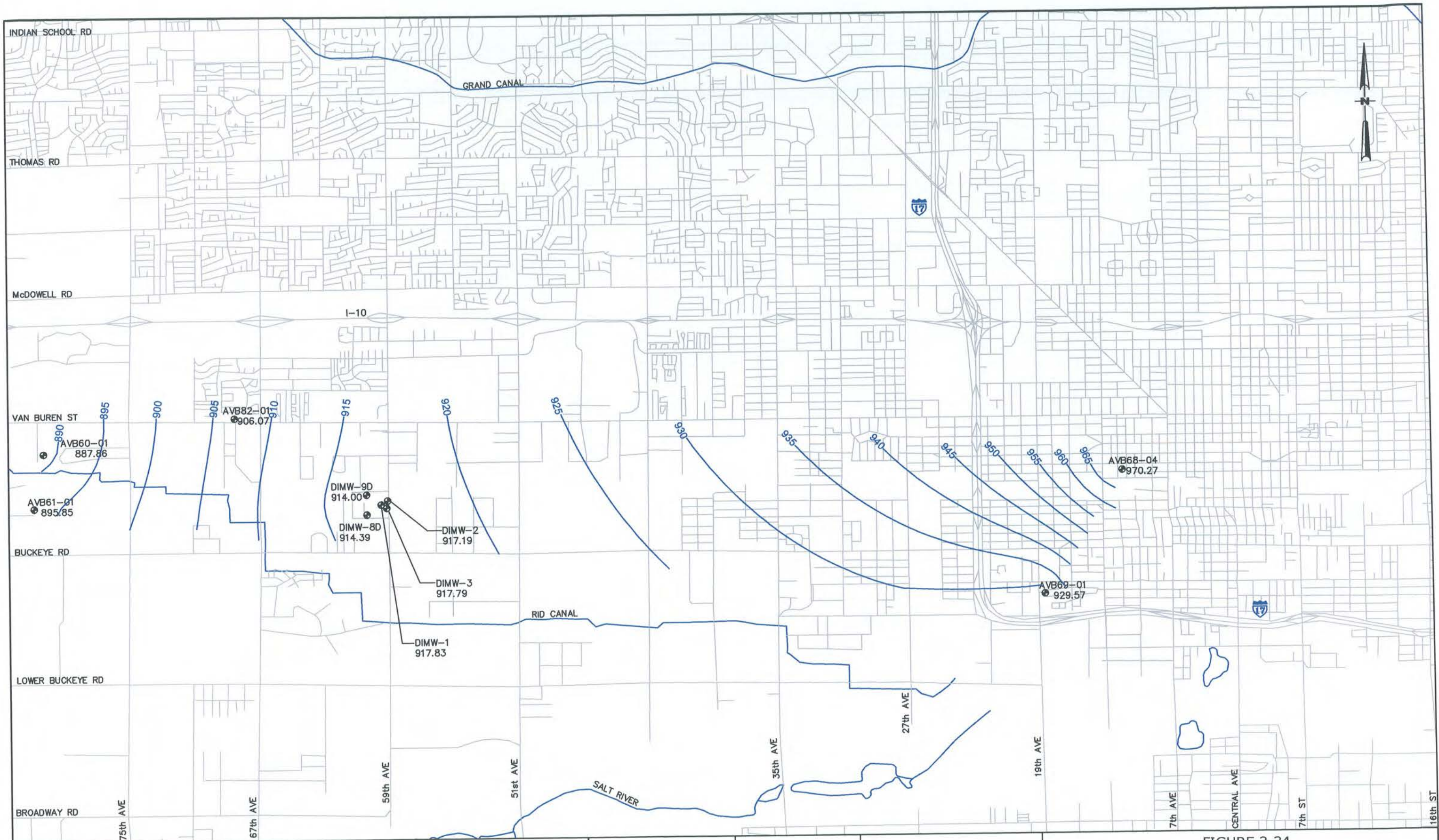
SCALE: 1"=3600'



FIGURE 3-32
MAU GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



<p>LEGEND</p> <ul style="list-style-type: none"> ● - APPROXIMATE WELL LOCATION AVB98-01 - WELL IDENTIFICATION NUMBER 931.11 - GROUNDWATER ELEVATION — - GROUNDWATER ELEVATION CONTOUR 	<p>NOTE</p> <p>SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">PROJ. #:</td> <td style="padding: 2px;">03103154-16</td> <td style="padding: 2px;">DATE:</td> <td style="padding: 2px;">03/07/08</td> </tr> <tr> <td style="padding: 2px;">DRAWN BY:</td> <td style="padding: 2px;">DAG</td> <td style="padding: 2px;">SCALE:</td> <td style="padding: 2px;">1"=3600'</td> </tr> <tr> <td style="padding: 2px;">DESIGNED BY:</td> <td style="padding: 2px;">AJG</td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">APPROVED BY:</td> <td style="padding: 2px;">AJG</td> <td></td> <td></td> </tr> </table>	PROJ. #:	03103154-16	DATE:	03/07/08	DRAWN BY:	DAG	SCALE:	1"=3600'	DESIGNED BY:	AJG			APPROVED BY:	AJG				<p>FIGURE 3-33</p> <p>MAU GROUNDWATER ELEVATION CONTOURS</p> <p>SECOND QUARTER 2003</p> <p>WEST VAN BUREN WQARF SITE</p> <p>PHOENIX, ARIZONA</p>
PROJ. #:	03103154-16	DATE:	03/07/08																	
DRAWN BY:	DAG	SCALE:	1"=3600'																	
DESIGNED BY:	AJG																			
APPROVED BY:	AJG																			



LEGEND

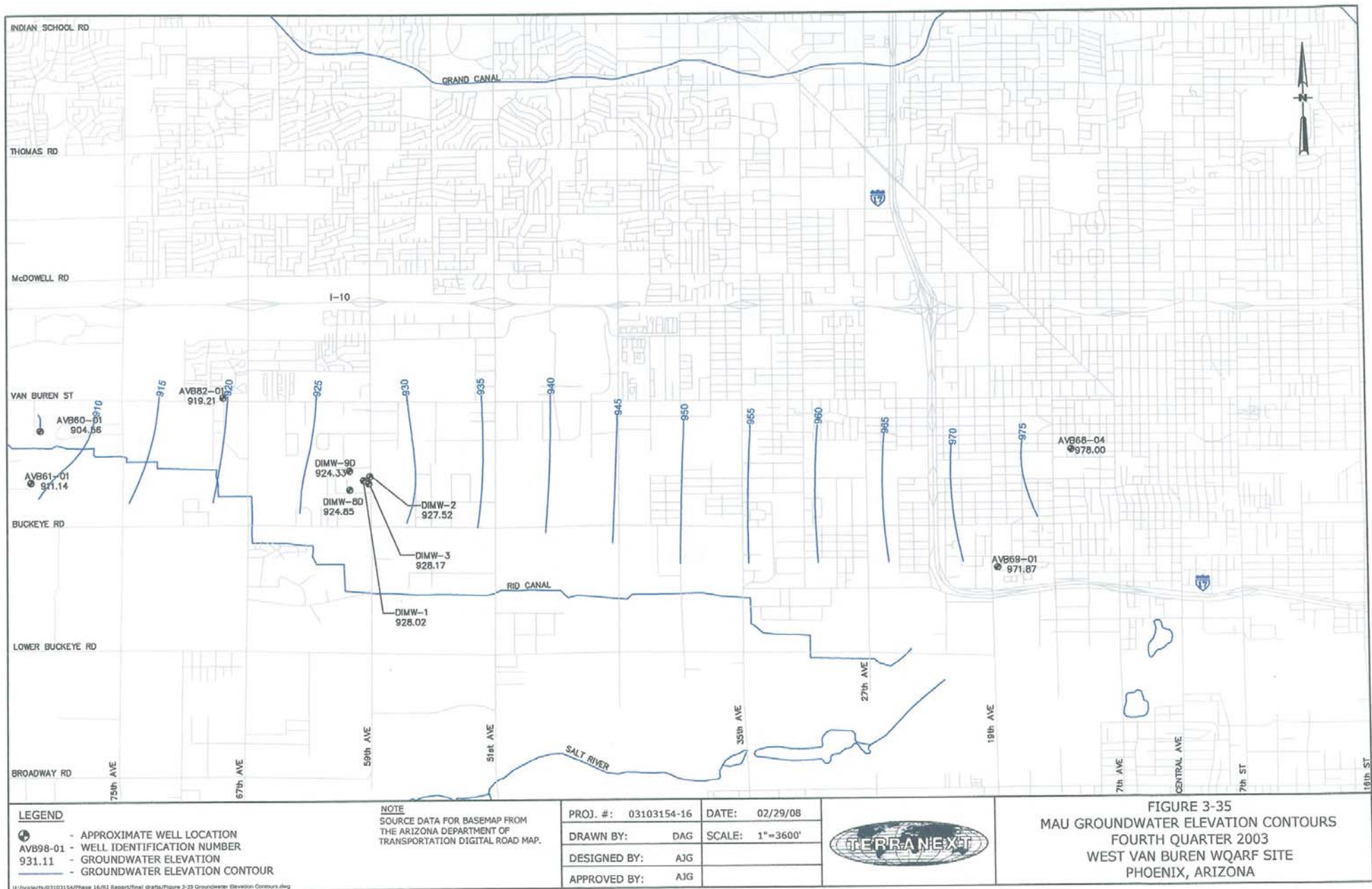
- - APPROXIMATE WELL LOCATION
- AVB98-01 - WELL IDENTIFICATION NUMBER
- 931.11 - GROUNDWATER ELEVATION
- - GROUNDWATER ELEVATION CONTOUR

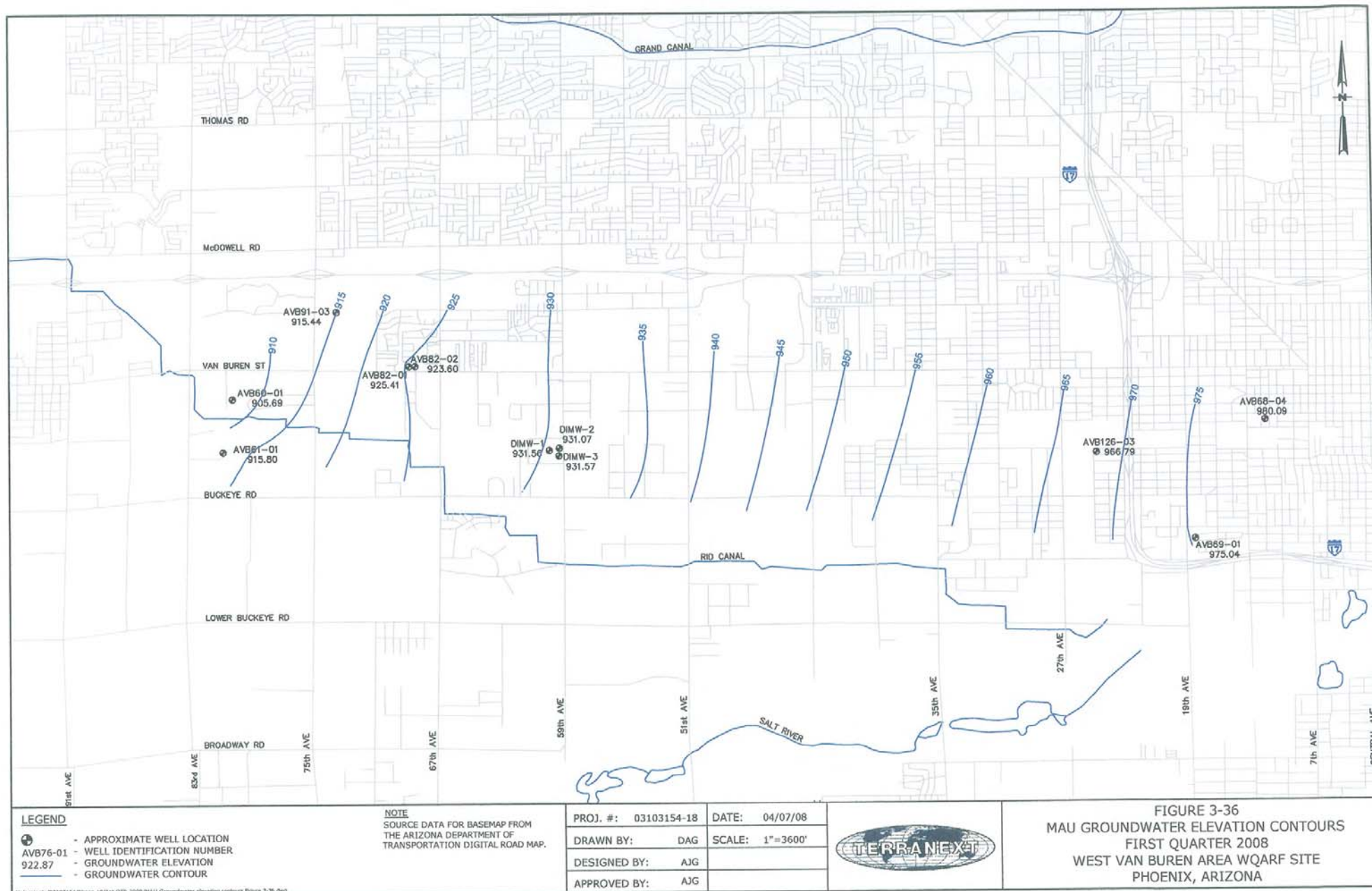
NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

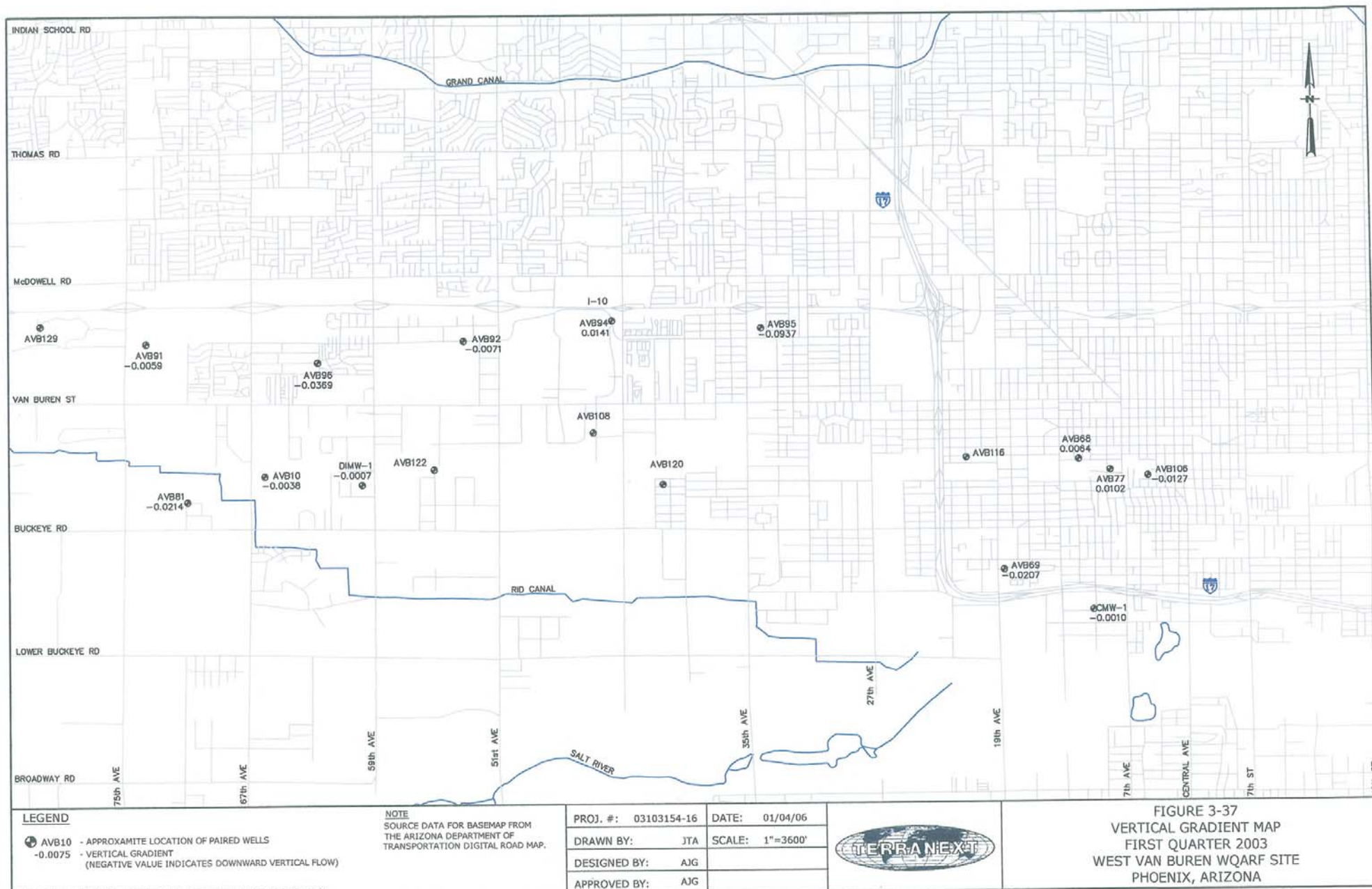
PROJ. #:	03103154-16	DATE:	02/29/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

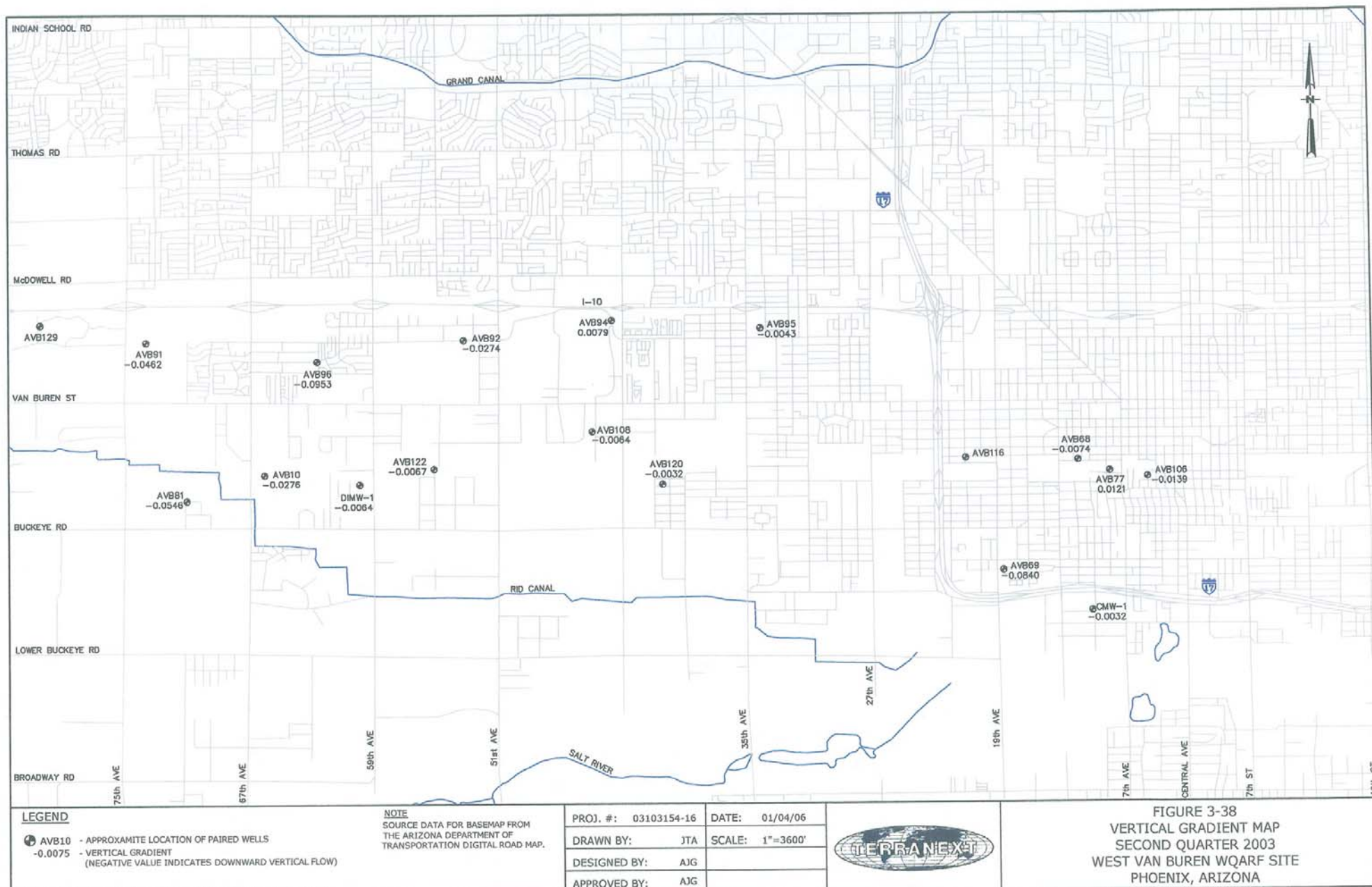


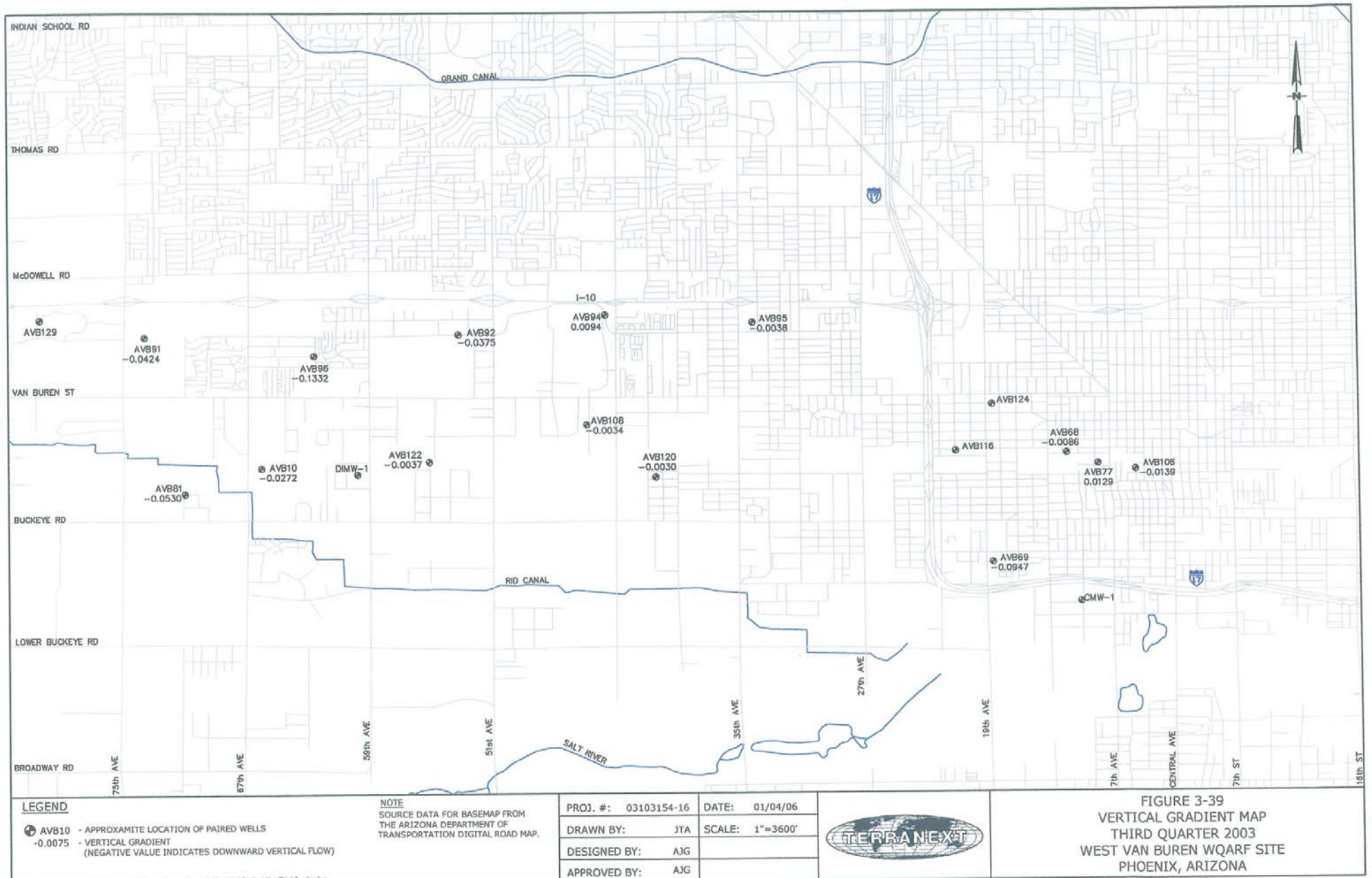
FIGURE 3-34
MAU GROUNDWATER ELEVATION CONTOURS
THIRD QUARTER 2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA

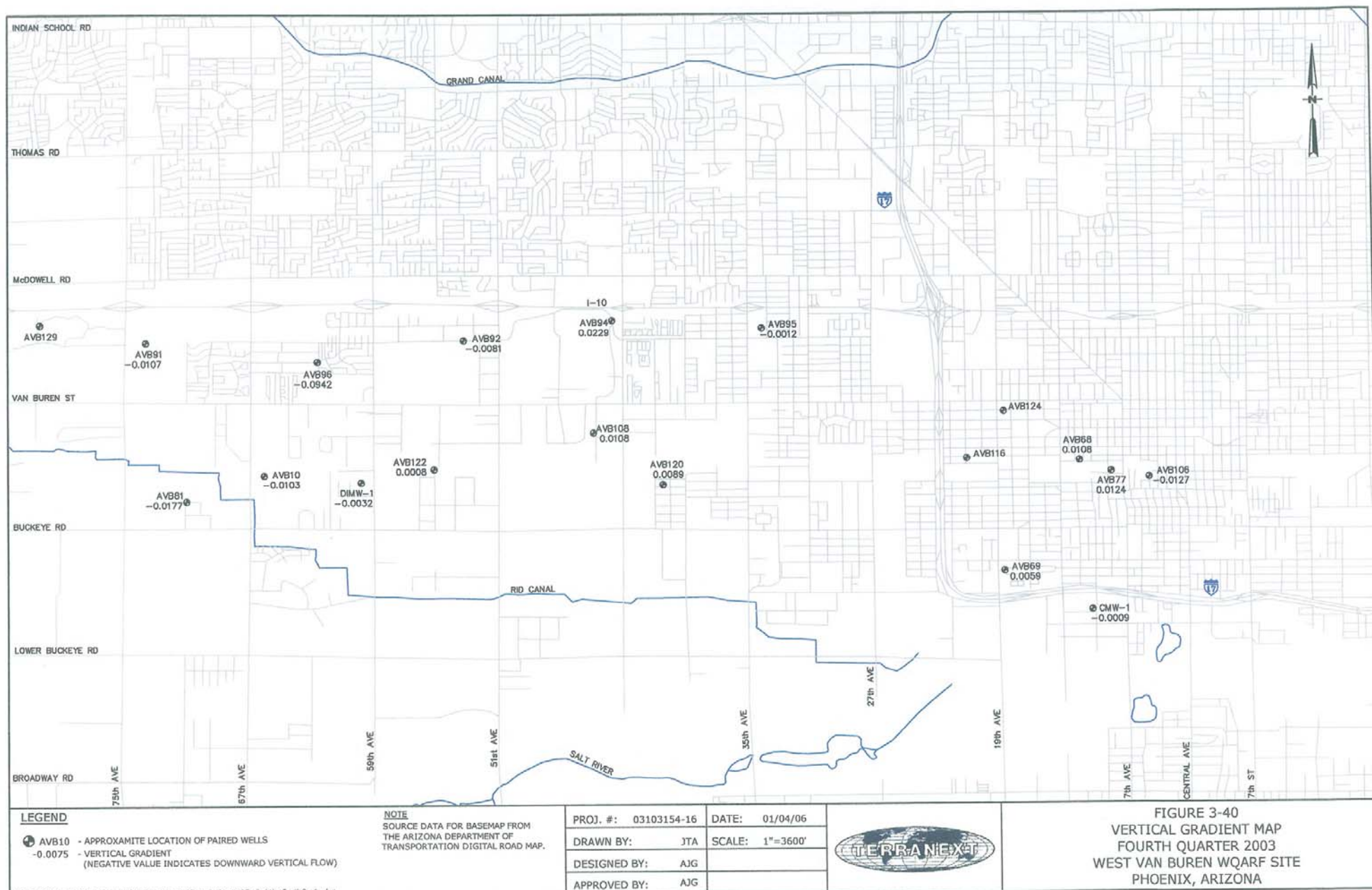




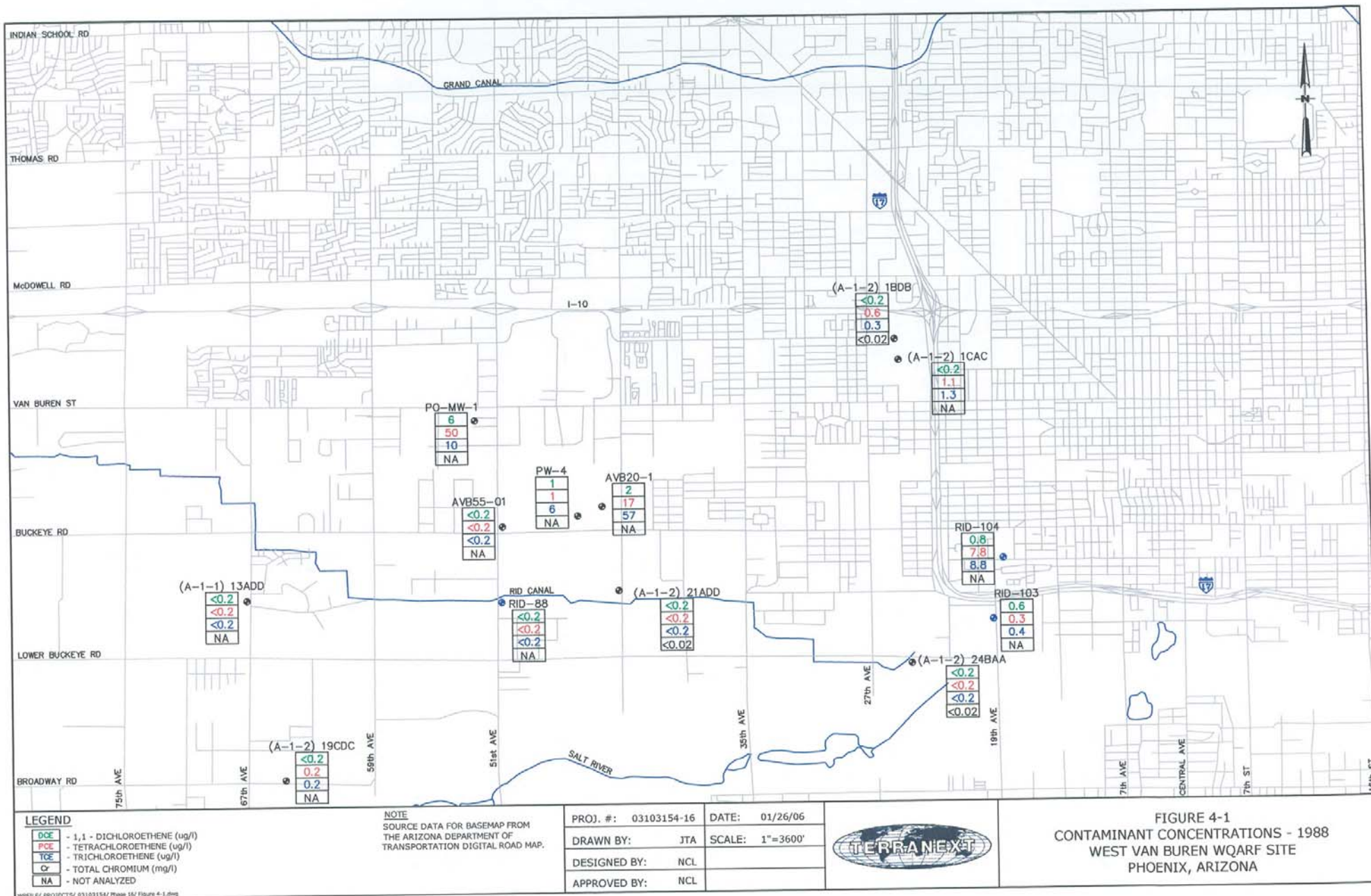


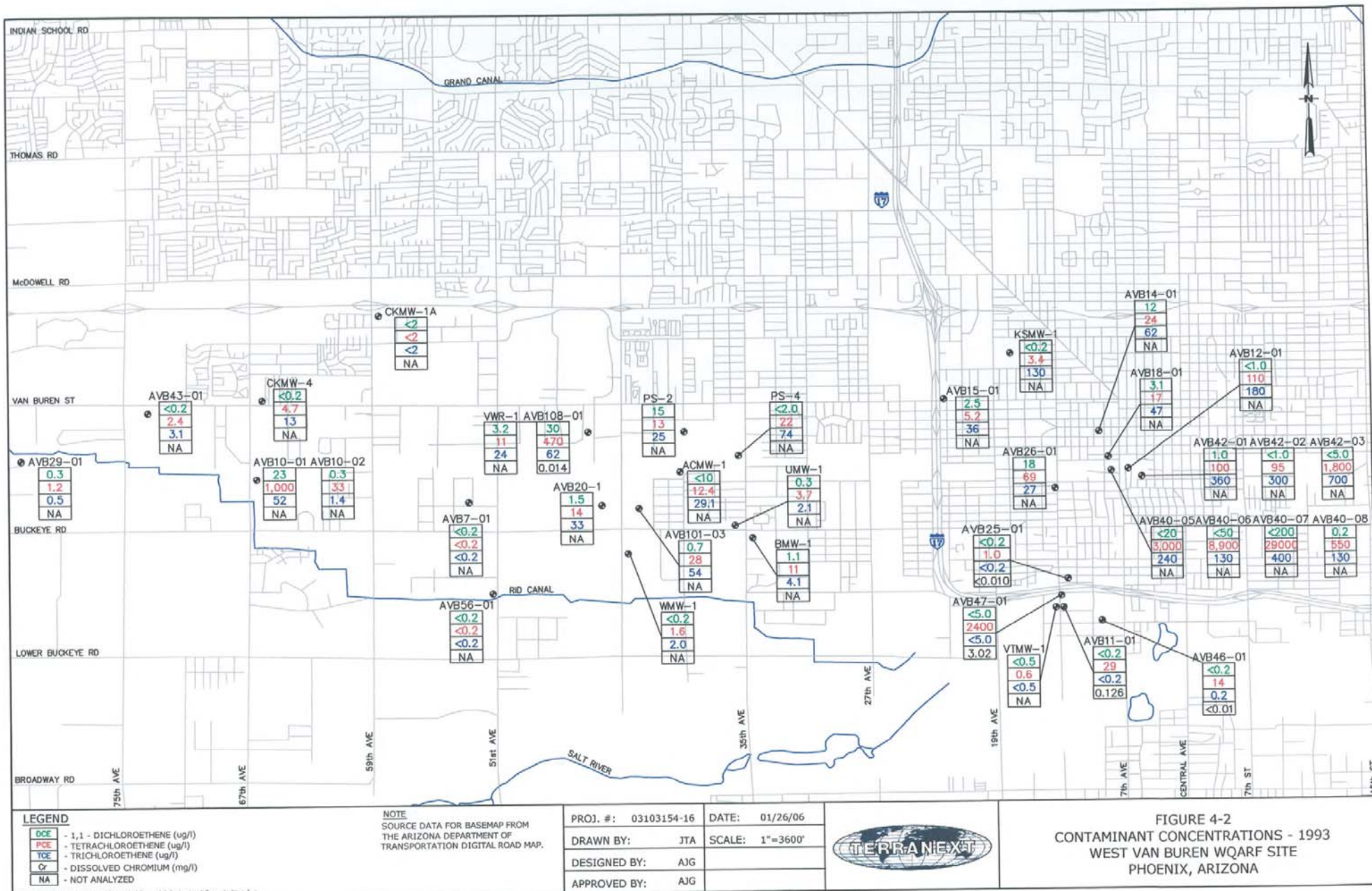


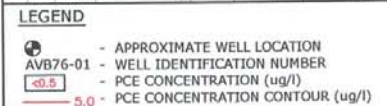




\\PFILE\PROJECTS\03103154\Phase 1A\RI Report\Figures\ Figure 3-40 Vertical Gradient Map Fourth Quarter.dwg



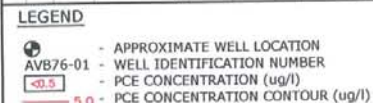




PROJ. #: 03103154-16	DATE: 05/27/08
DRAWN BY: DAG	SCALE: 1"=3600'
DESIGNED BY: AJG	
APPROVED BY: AJG	



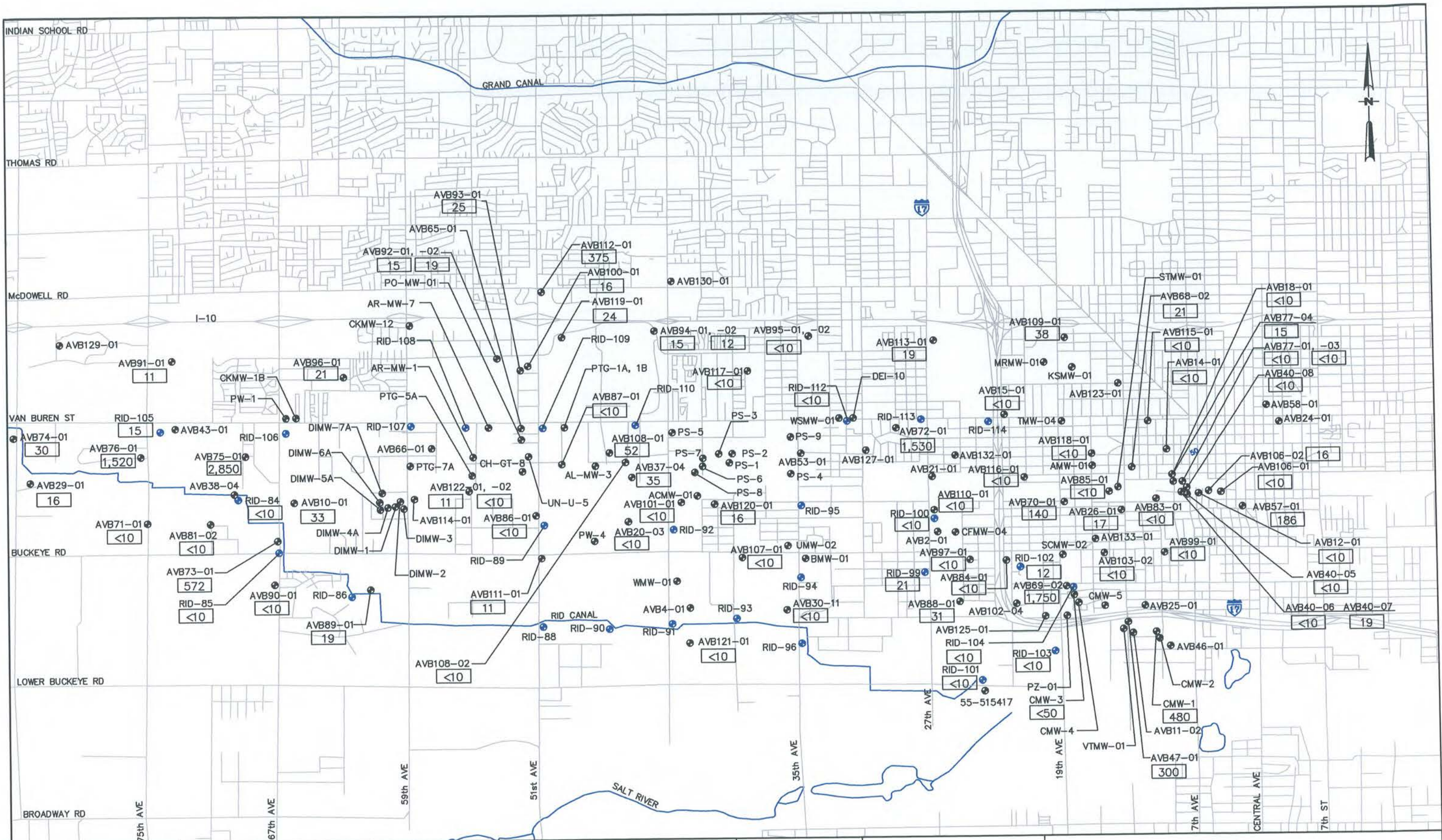
FIGURE 4-3
UAU 1 PCE CONCENTRATIONS-1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



PROJ. #:	03103154-16	DATE:	02/01/06
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-4
UAU 1 PCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - TOTAL Cr CONCENTRATION (ug/l)

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16 DATE: 02/17/06

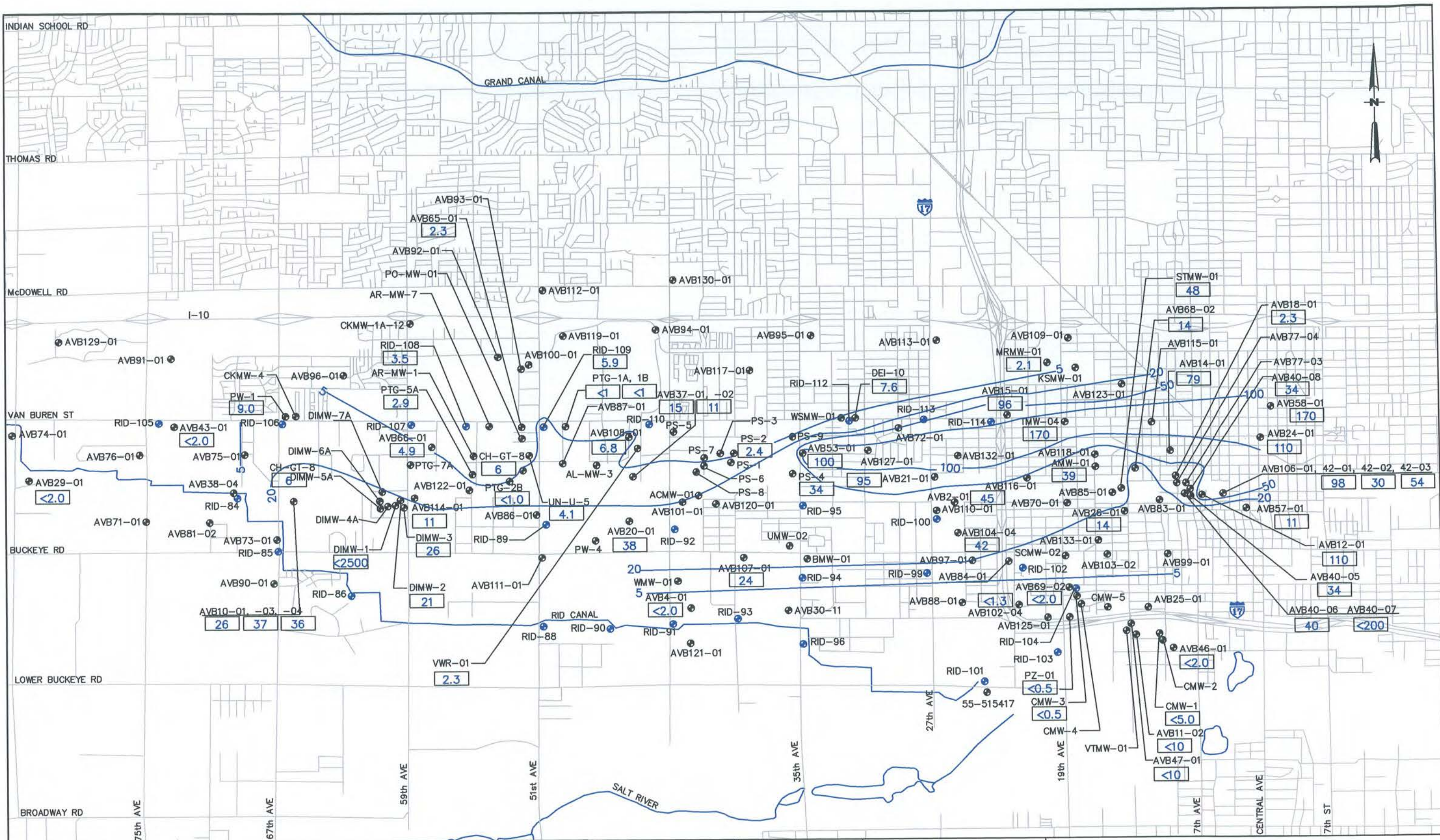
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DESIGNED BY: AJG

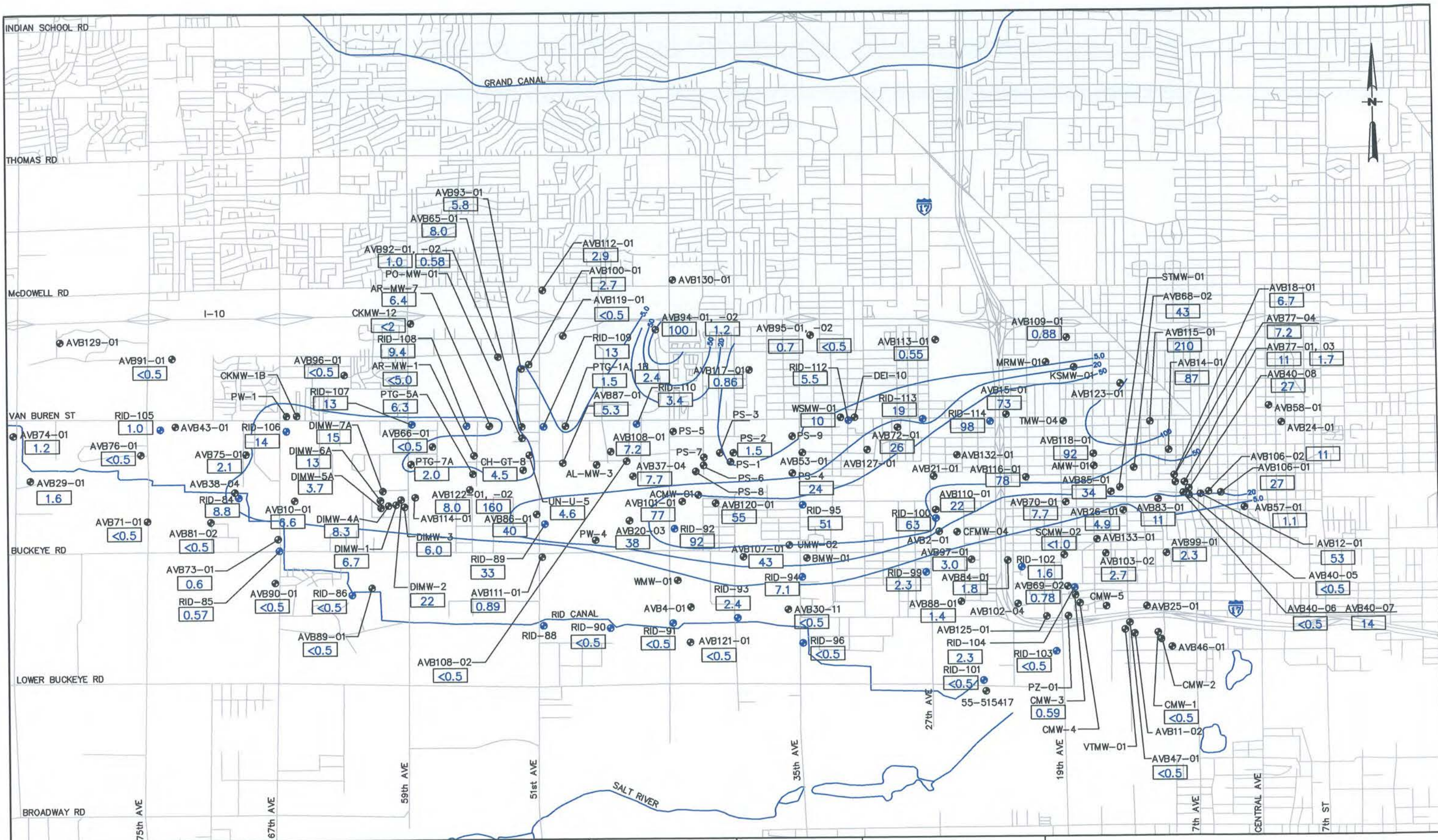
APPROVED BY: AJG



FIGURE 4-7
UAU 1 WELL TOTAL Cr CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND ● - APPROXIMATE WELL LOCATION AVB76-01 - WELL IDENTIFICATION NUMBER 2.0 - TCE CONCENTRATION (ug/l) 5 - TCE CONCENTRATION CONTOUR (ug/l)	NOTE SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.	PROJ. #: 03103154-16 DRAWN BY: JTA DESIGNED BY: AJG APPROVED BY: AJG		FIGURE 4-8 UAU 1 TCE CONCENTRATIONS-1998 WEST VAN BUREN WQARF SITE PHOENIX, ARIZONA
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LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 0.5 - TCE CONCENTRATION (ug/l)
- 1.0 - TCE CONCENTRATION CONTOUR (ug/l)

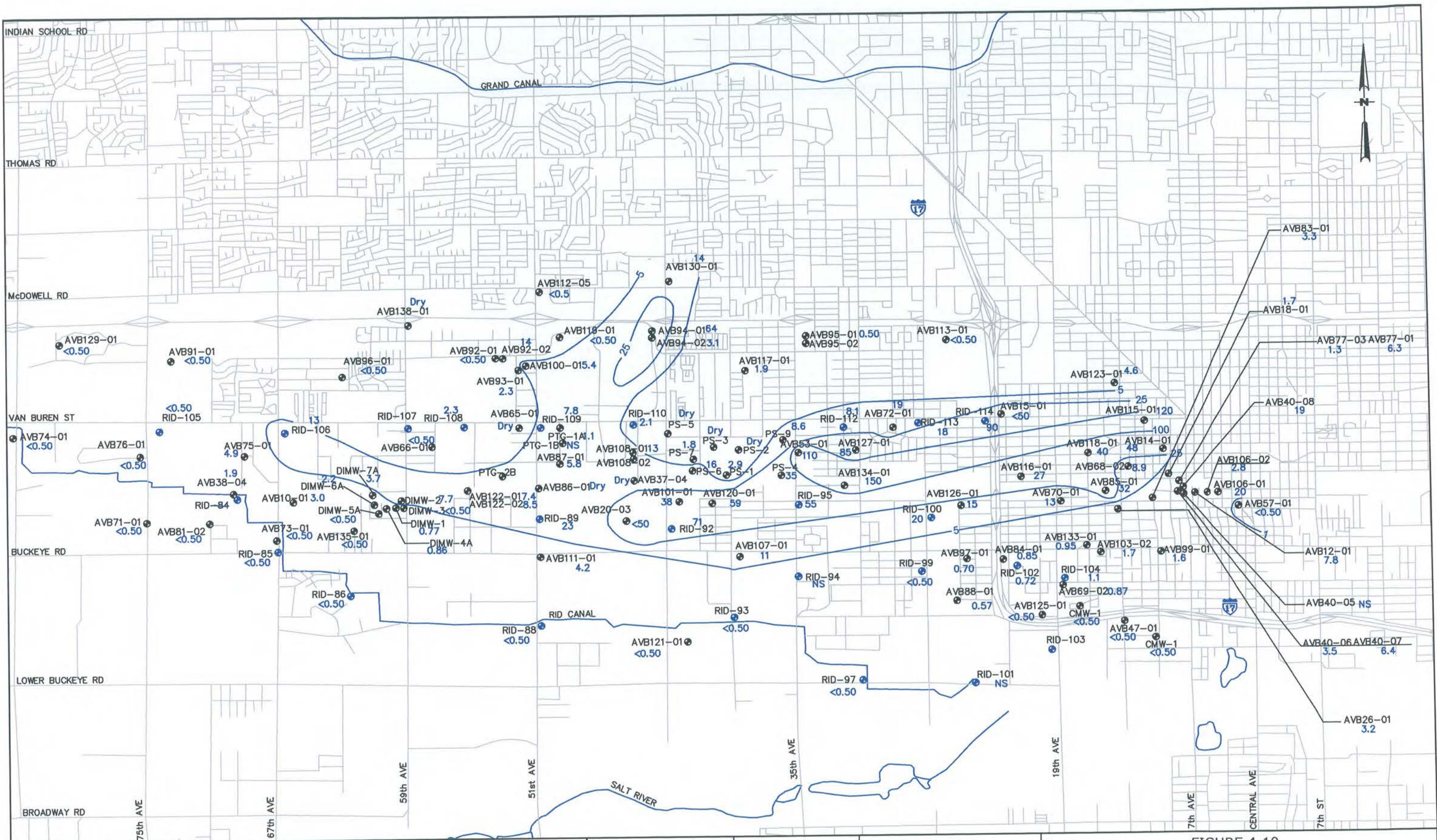
NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	02/15/06
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-9
UAU 1 TCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

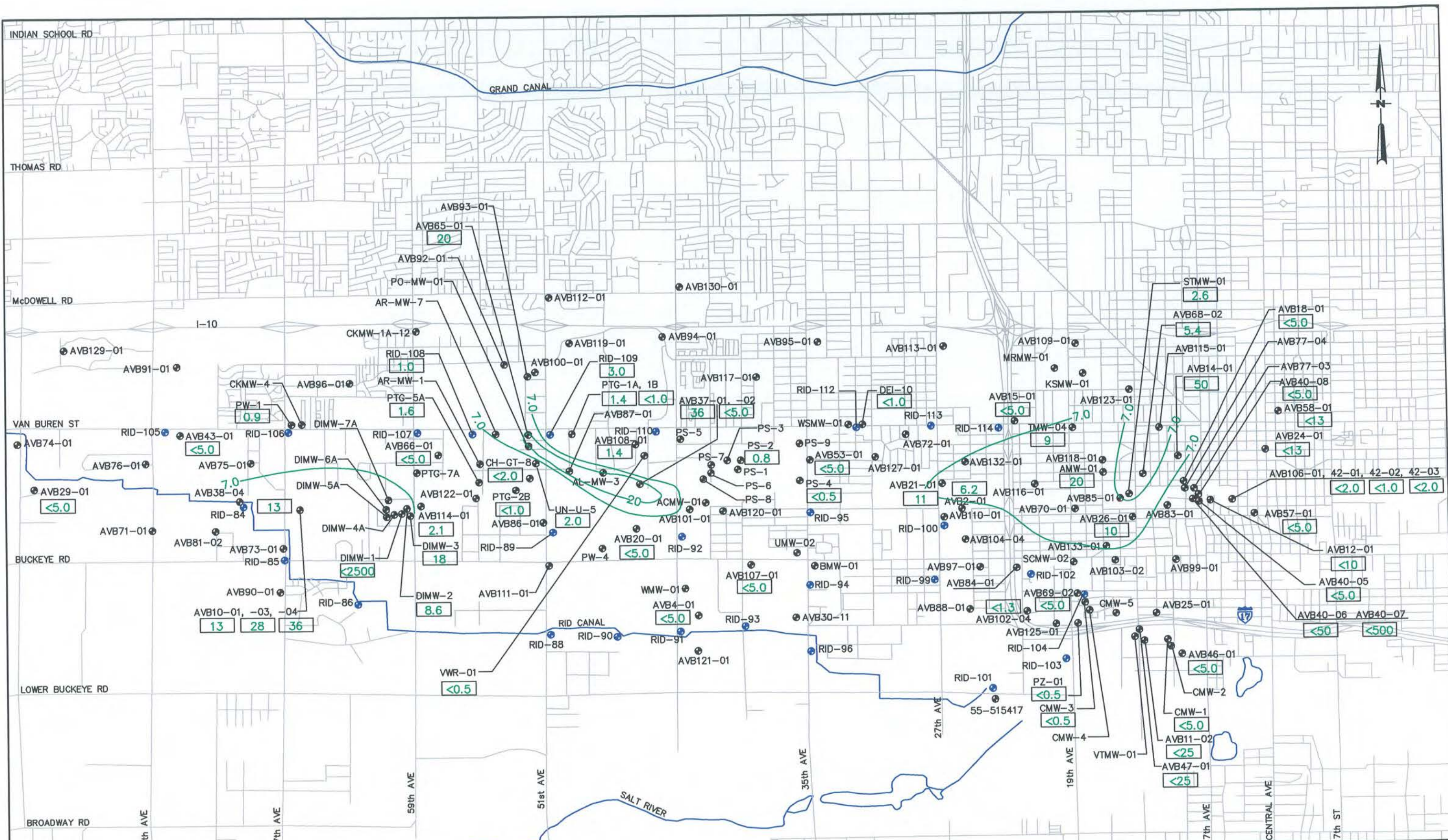
AEW11-06 - WELL IDENTIFICATION NUMBER
 11 - TRICHLOROETHENE (ug/l)
 --- TCE CONCENTRATION CONTOUR (ug/l)
 NS - NOT SAMPLED
 • - APPROXIMATE WELL LOCATION

NOTE
 SOURCE DATA FOR BASEMAP FROM
 THE ARIZONA DEPARTMENT OF
 TRANSPORTATION DIGITAL ROAD MAP.

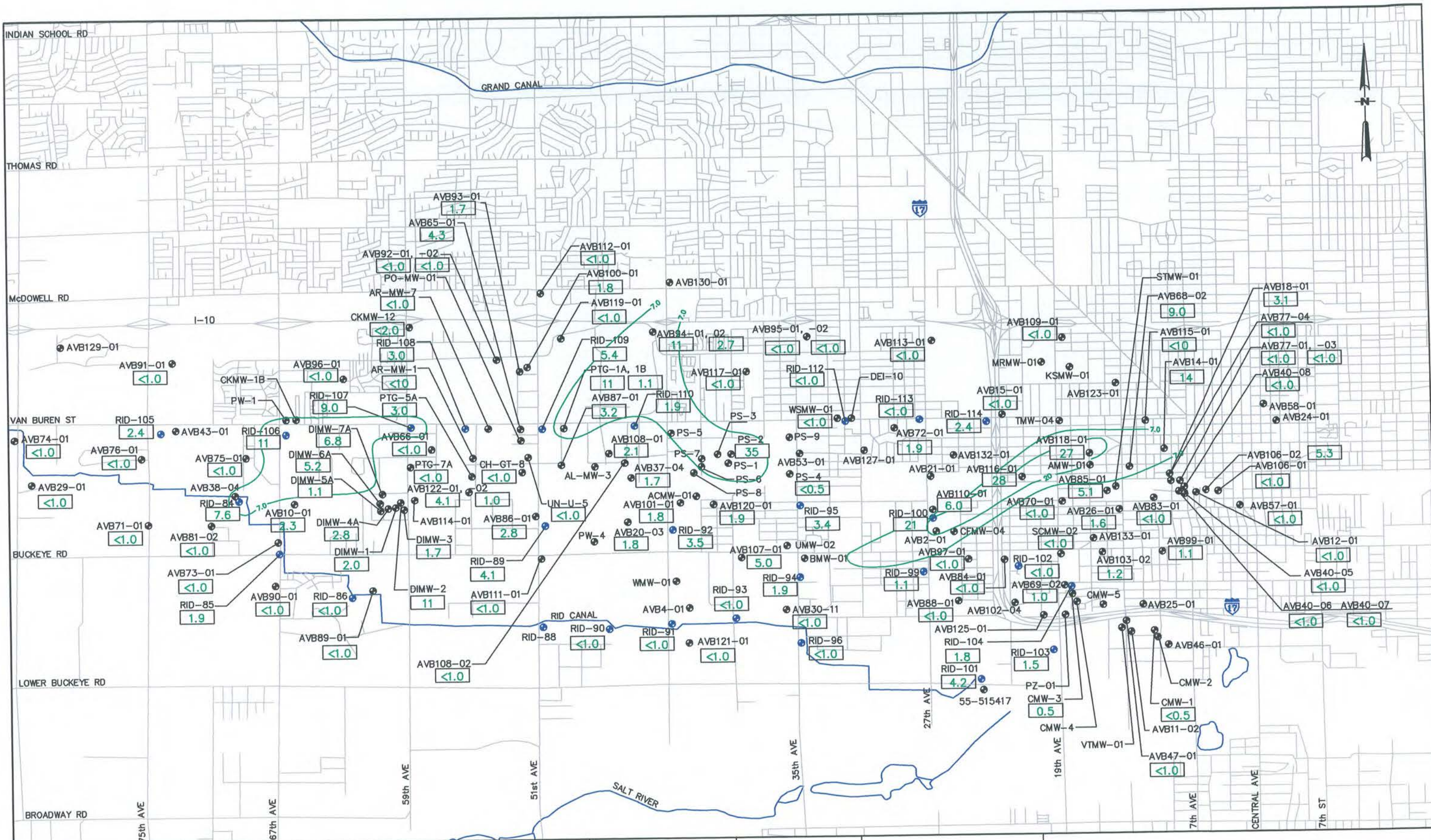
PROJ. #:	03103154-18	DATE:	05/05/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-10
 UAU 1 TCE CONCENTRATIONS
 FIRST QUARTER 2008
 WEST VAN BUREN AREA WQARF SITE
 PHOENIX, ARIZONA



LEGEND ● - APPROXIMATE WELL LOCATION AVB76-01 - WELL IDENTIFICATION NUMBER <0.5 - 1,1-DCE CONCENTRATION (ug/l) 7.0 - 1,1-DCE CONCENTRATION CONTOUR (ug/l)	NOTE SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.	PROJ. #: 03103154-16 DATE: 01/30/06 DRAWN BY: JTA DESIGNED BY: AJG APPROVED BY: AJG		FIGURE 4-11 UAU 1 1,1-DCE CONCENTRATIONS-1998 WEST VAN BUREN WQARF SITE PHOENIX, ARIZONA
--	--	---	--	--



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 0.5 - 1,1-DCE CONCENTRATION (ug/l)
- 1.0 - 1,1-DCE CONCENTRATION CONTOUR (ug/l)

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16 DATE: 02/16/06

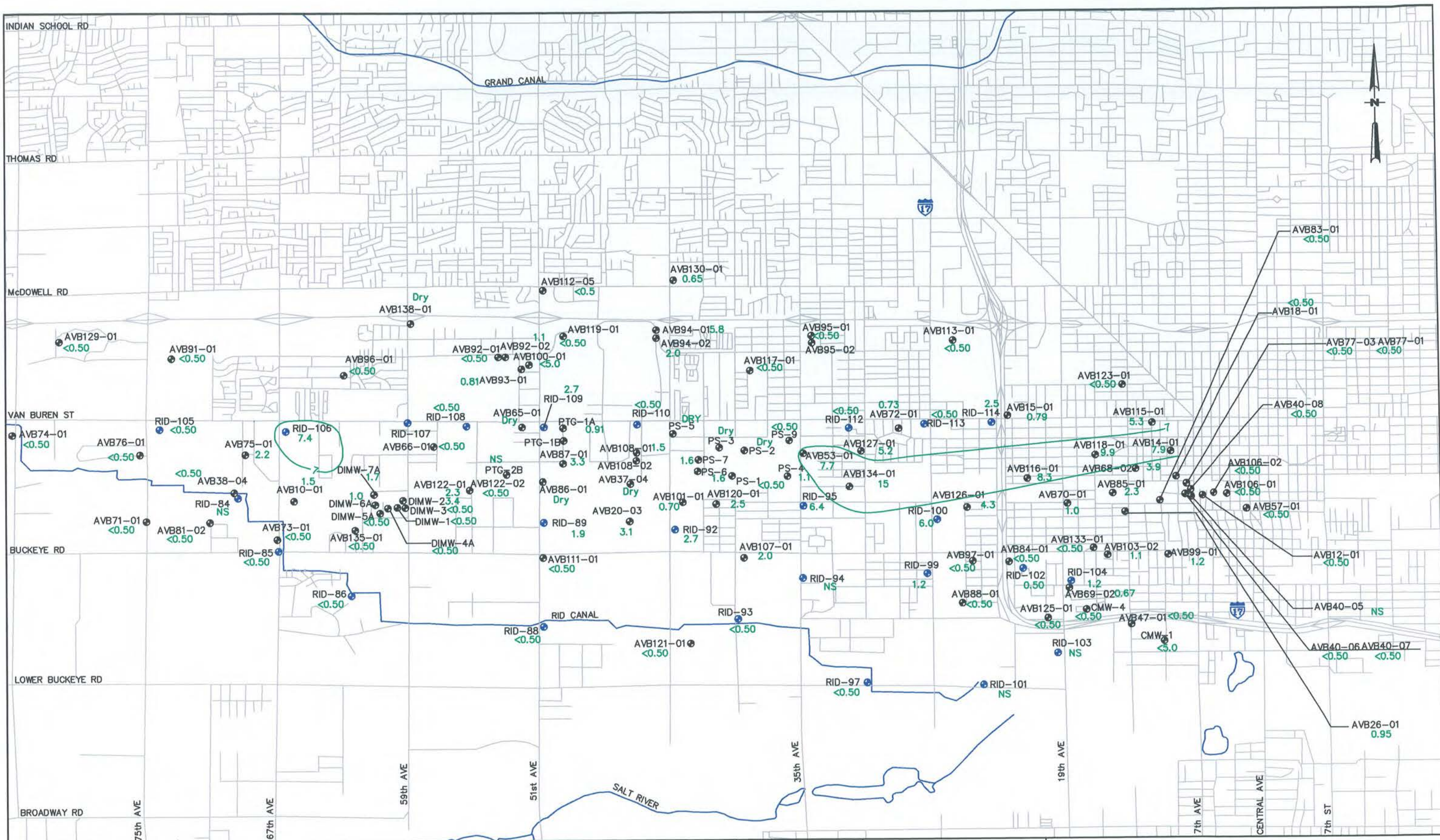
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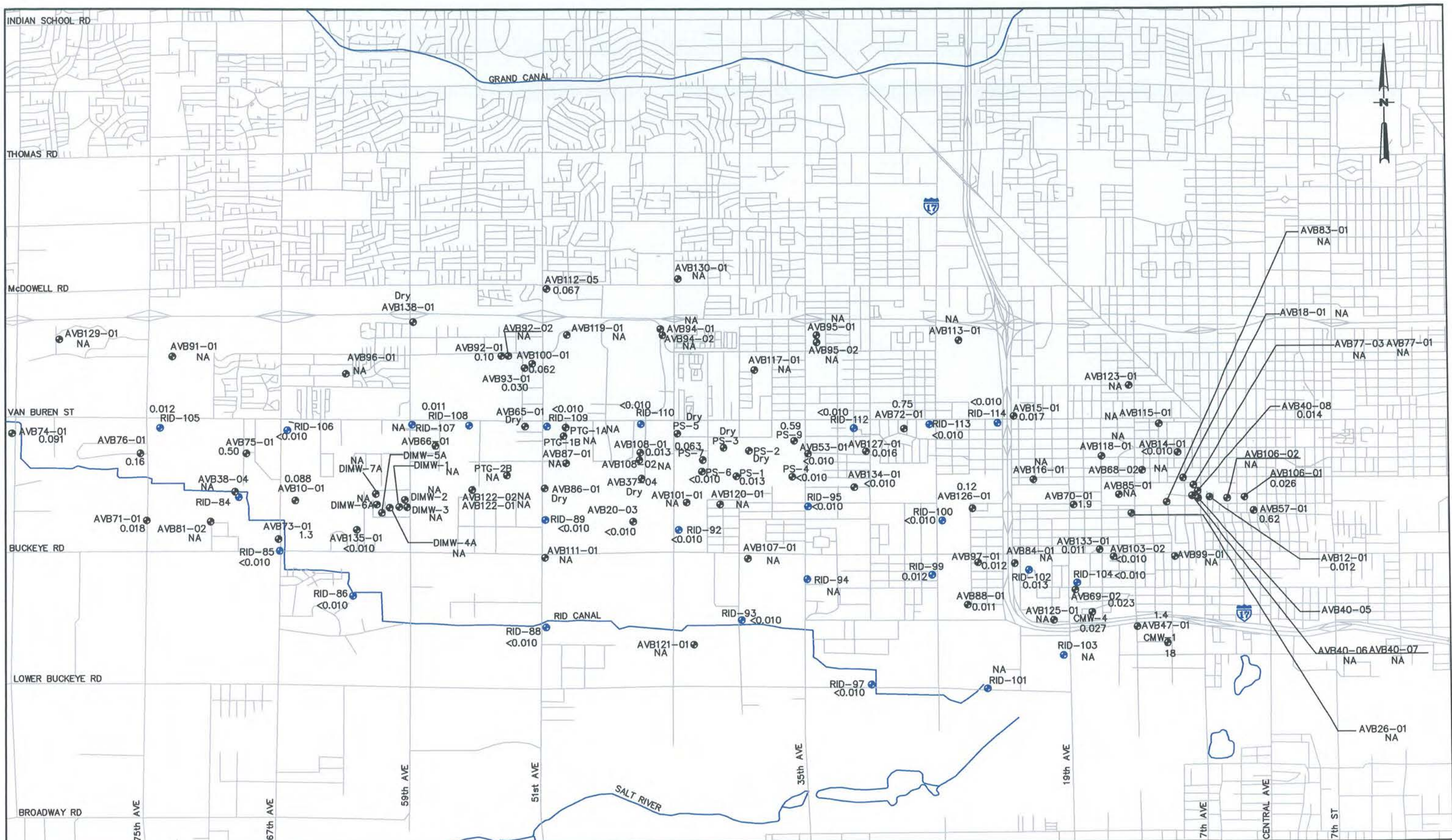
APPROVED BY: AJG



FIGURE 4-12
UAU 1 1, 1-DCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



<p>LEGEND</p> <p>AEW11-06 - WELL IDENTIFICATION NUMBER</p> <p>11 - 1,1 - DICHLORETHENE (ug/l)</p> <p>1.1 - 1,1 - DCE CONCENTRATION CONTOUR (ug/l)</p> <p>NS - NOT SAMPLED</p> <p>• - APPROXIMATE WELL LOCATION</p>	<p>NOTE</p> <p>SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.</p>	<table border="1"> <tr> <td>PROJ. #:</td> <td>03103154-18</td> <td>DATE:</td> <td>05/05/08</td> </tr> <tr> <td>DRAWN BY:</td> <td>DAG</td> <td>SCALE:</td> <td>1"=3600'</td> </tr> <tr> <td>DESIGNED BY:</td> <td>AJG</td> <td></td> <td></td> </tr> <tr> <td>APPROVED BY:</td> <td>AJG</td> <td></td> <td></td> </tr> </table>	PROJ. #:	03103154-18	DATE:	05/05/08	DRAWN BY:	DAG	SCALE:	1"=3600'	DESIGNED BY:	AJG			APPROVED BY:	AJG				<p align="center">FIGURE 4-13</p> <p align="center">UAU 1 1,1 - DCE CONCENTRATIONS</p> <p align="center">FIRST QUARTER 2008</p> <p align="center">WEST VAN BUREN AREA WQARF SITE</p> <p align="center">PHOENIX, ARIZONA</p>
PROJ. #:	03103154-18	DATE:	05/05/08																	
DRAWN BY:	DAG	SCALE:	1"=3600'																	
DESIGNED BY:	AJG																			
APPROVED BY:	AJG																			



LEGEND

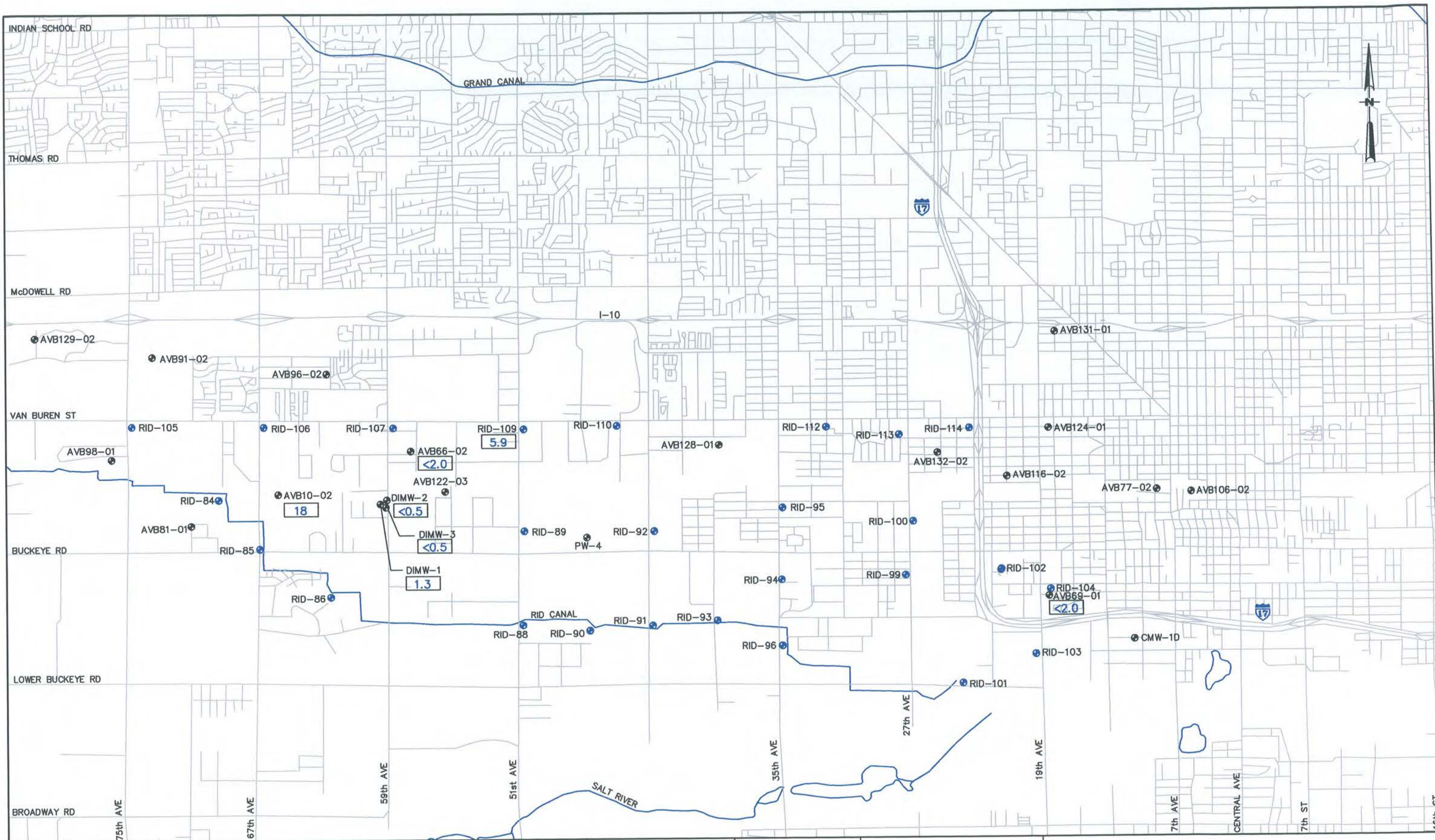
- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - TOTAL Cr CONCENTRATION (mg/l)
- NA - NOT AVAILABLE

NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	08/19/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-14
UAU 1 TOTAL Cr CONCENTRATIONS
FIRST QUARTER 2008
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

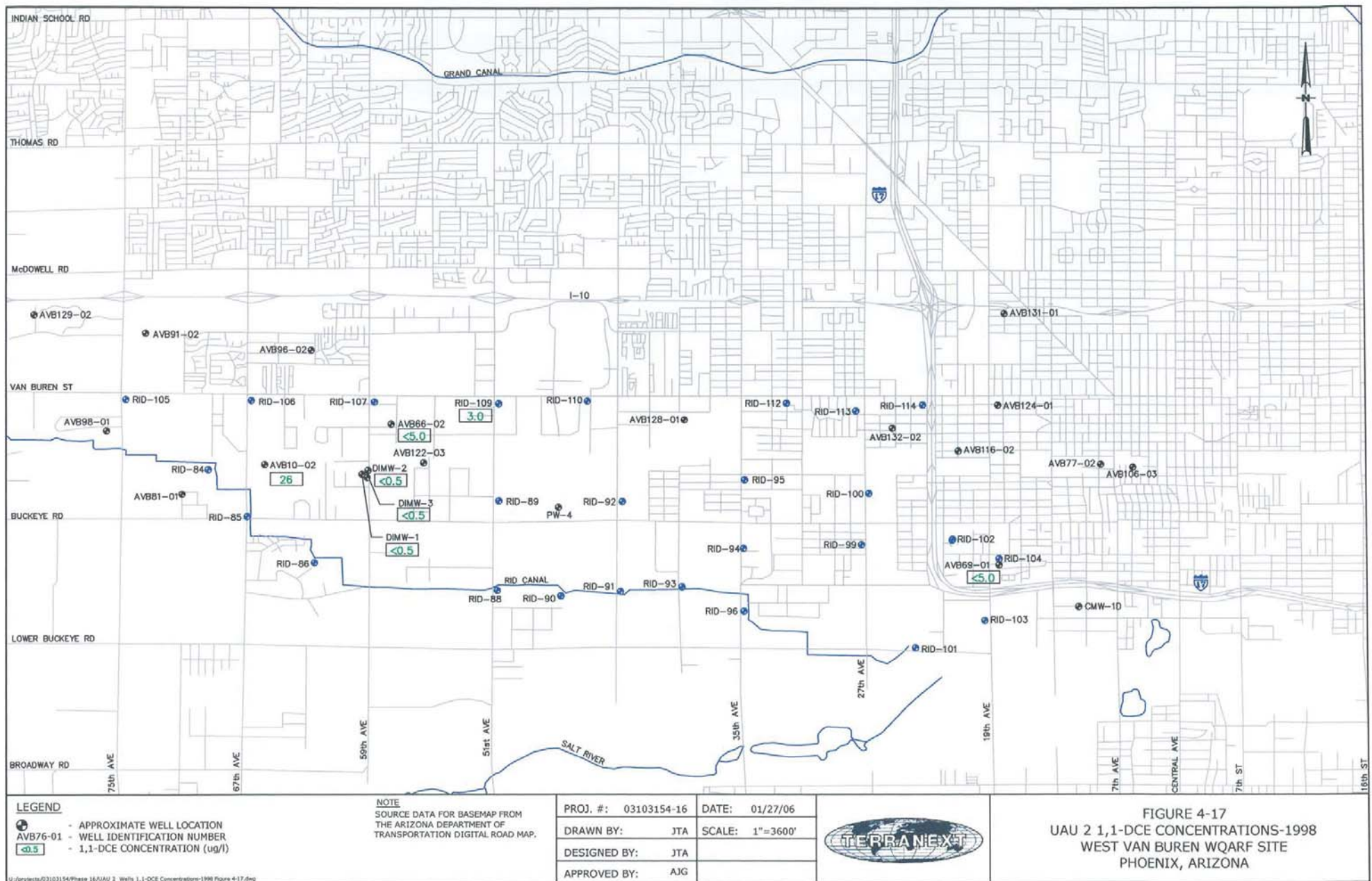
- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - TCE CONCENTRATION (ug/l)

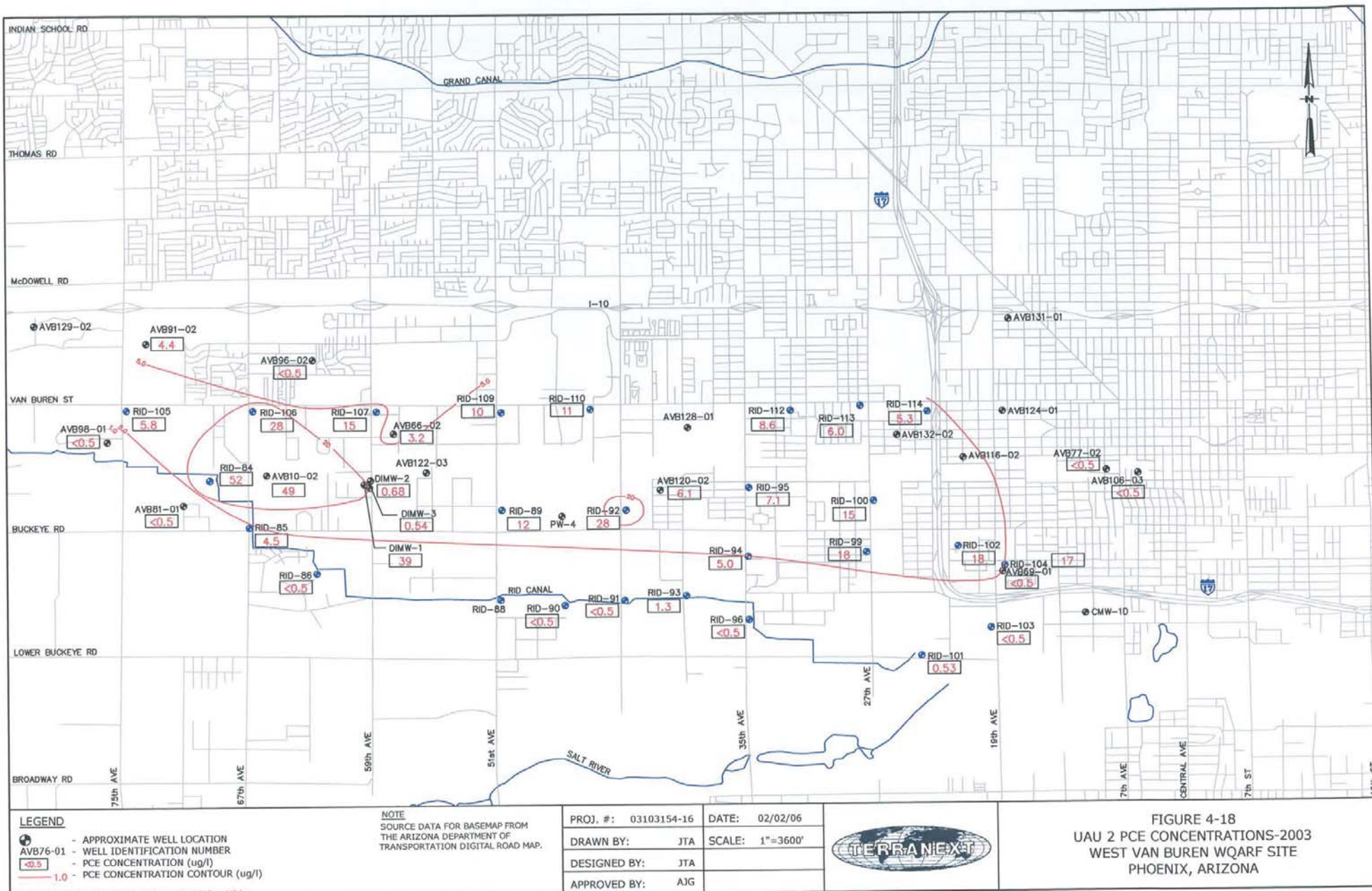
NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-16	DATE:	01/27/06
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	JTA		
APPROVED BY:	AJG		

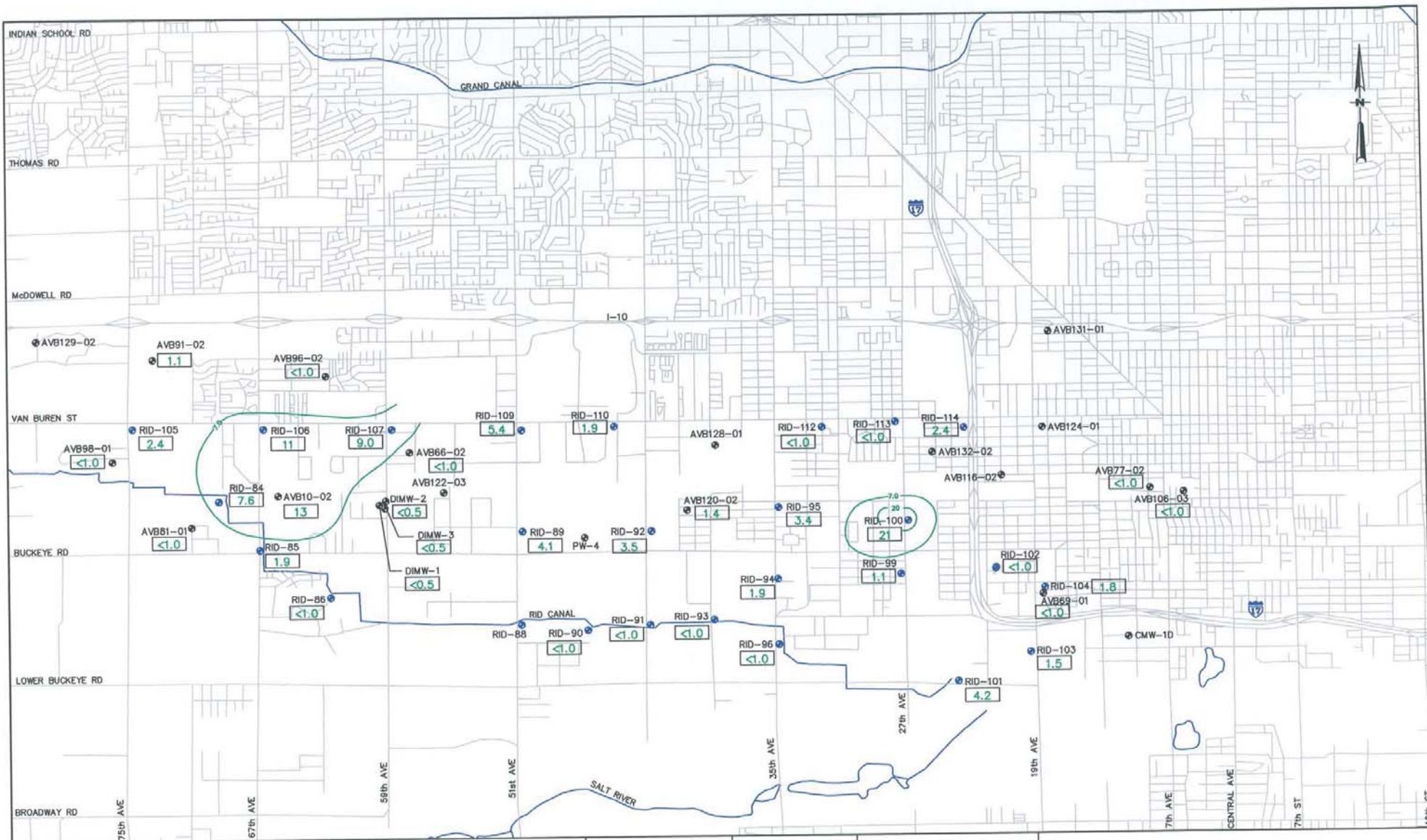


FIGURE 4-16
UAU 2 TCE CONCENTRATIONS-1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA





U:\projects\03103154\Phase 1A\UAU 2 Wells PCE Concentrations-2003 Figure 4-18.dwg



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - 1,1-DCE CONCENTRATION (ug/l)
- 1.0 - 1,1-DCE CONCENTRATION CONTOUR (ug/l)

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16

DATE: 02/16/06

DRAWN BY: JTA

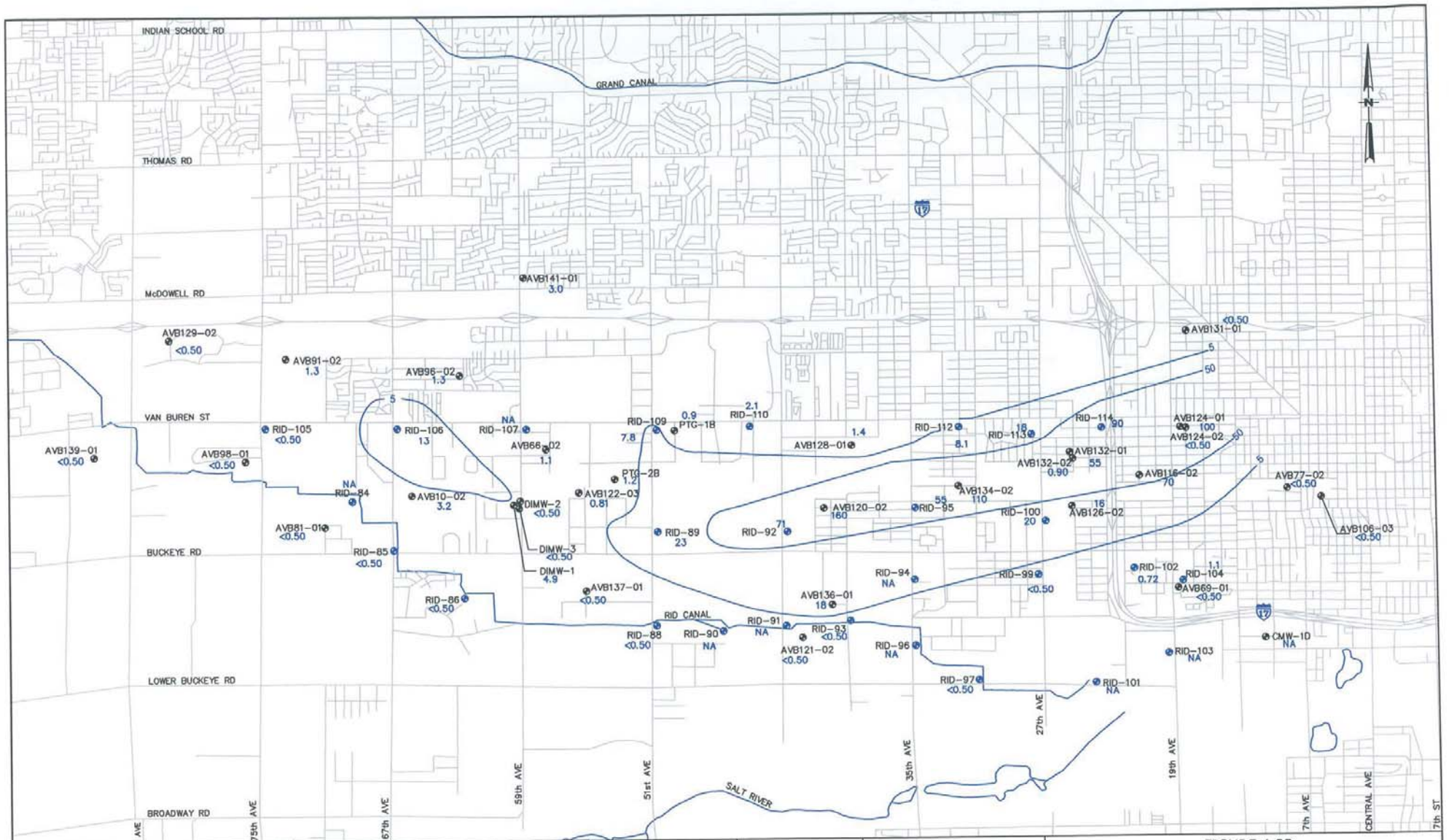
SCALE: 1"=3600'

DESIGNED BY: JTA

APPROVED BY: AJG



FIGURE 4-20
UAU 2 1,1-DCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



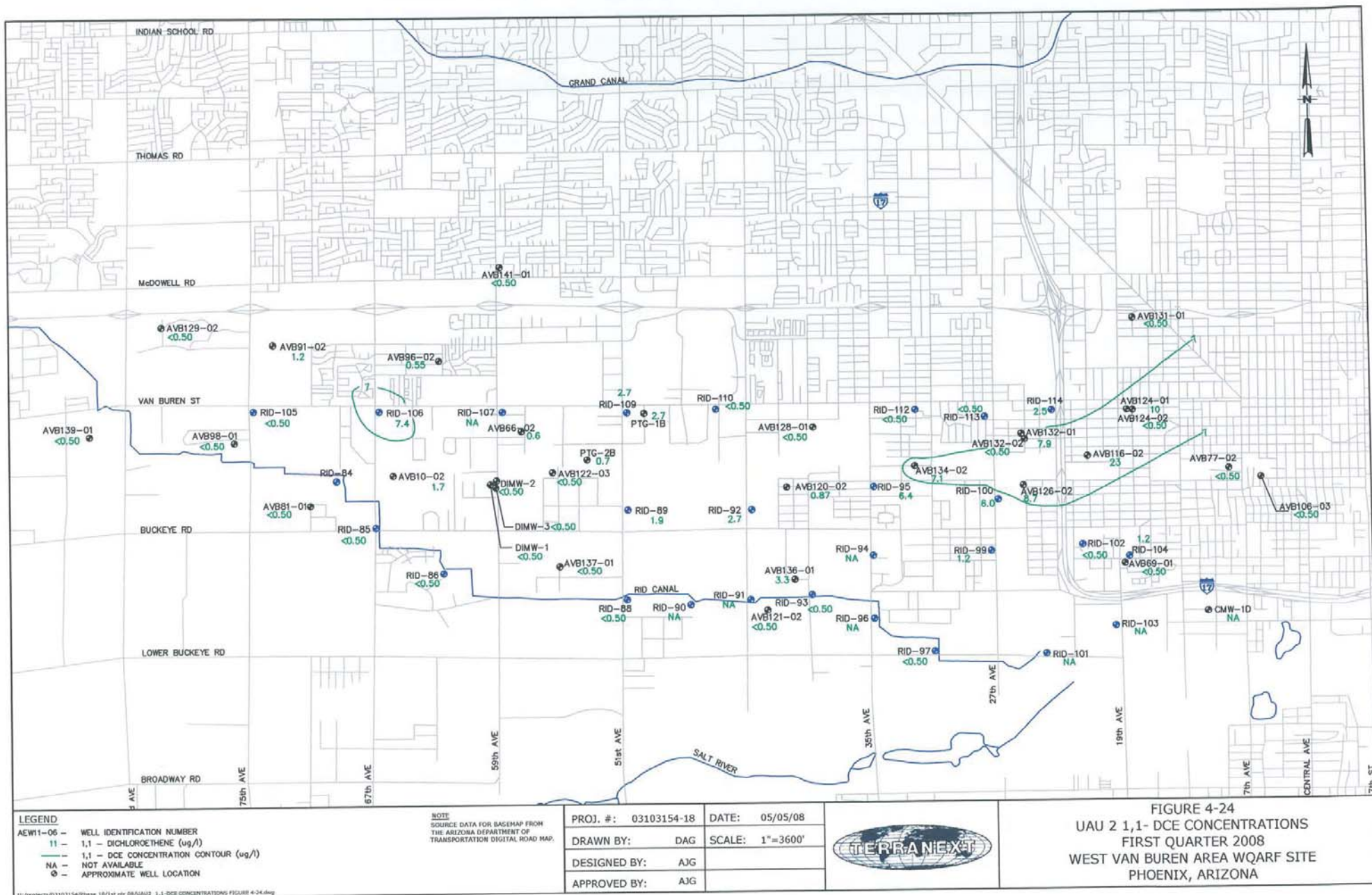
LEGEND
 AEW1-06 - WELL IDENTIFICATION NUMBER
 11 - TRICHLOROETHENE (ug/l)
 — TCE CONCENTRATION CONTOUR (ug/l)
 NA - NOT AVAILABLE
 ● - APPROXIMATE WELL LOCATION

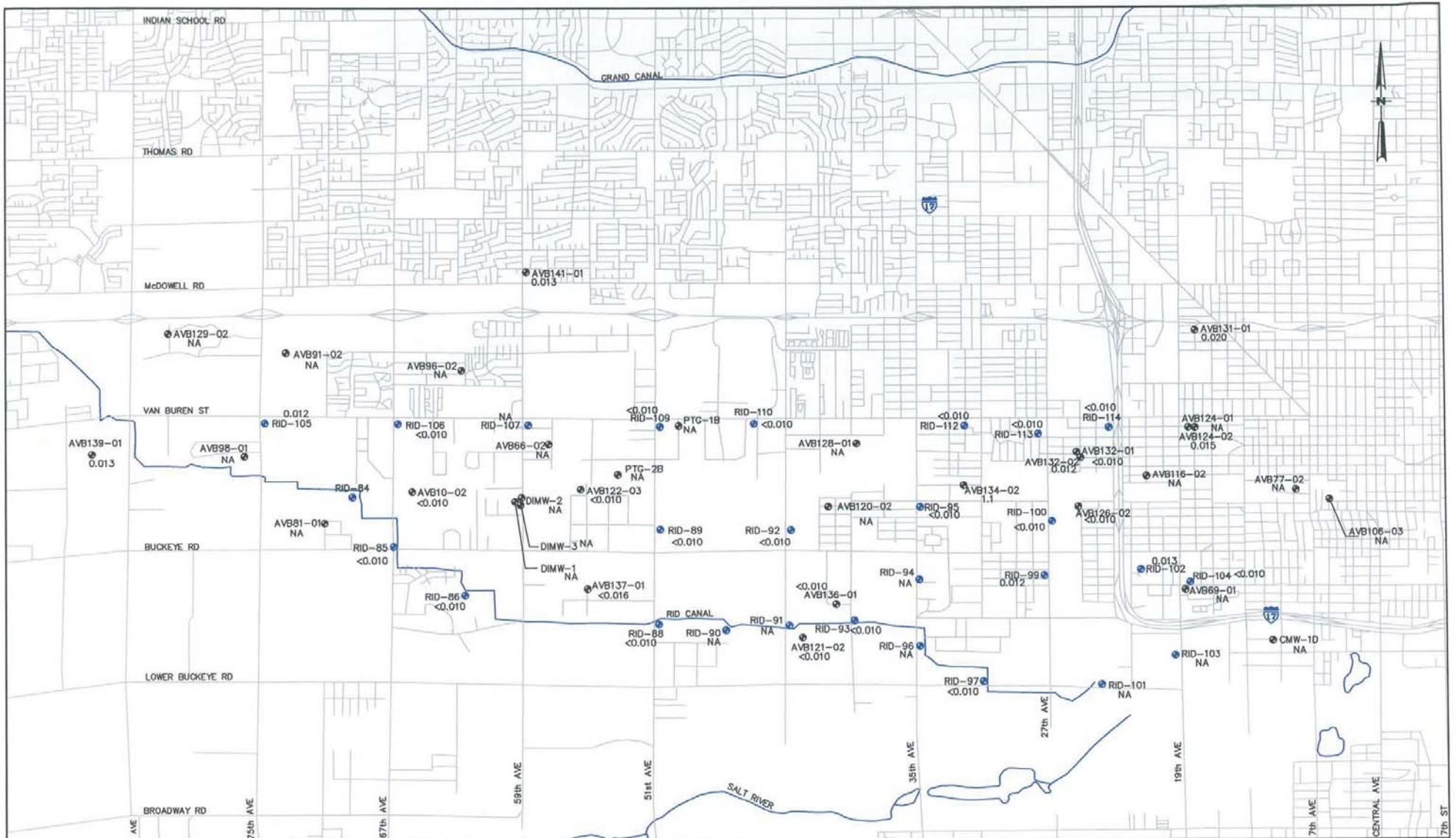
NOTE
 SOURCE DATA FOR BASEMAP FROM
 THE ARIZONA DEPARTMENT OF
 TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	05/05/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-23
 UAU 2 TCE CONCENTRATIONS
 FIRST QUARTER 2008
 WEST VAN BUREN AREA WQARF SITE
 PHOENIX, ARIZONA





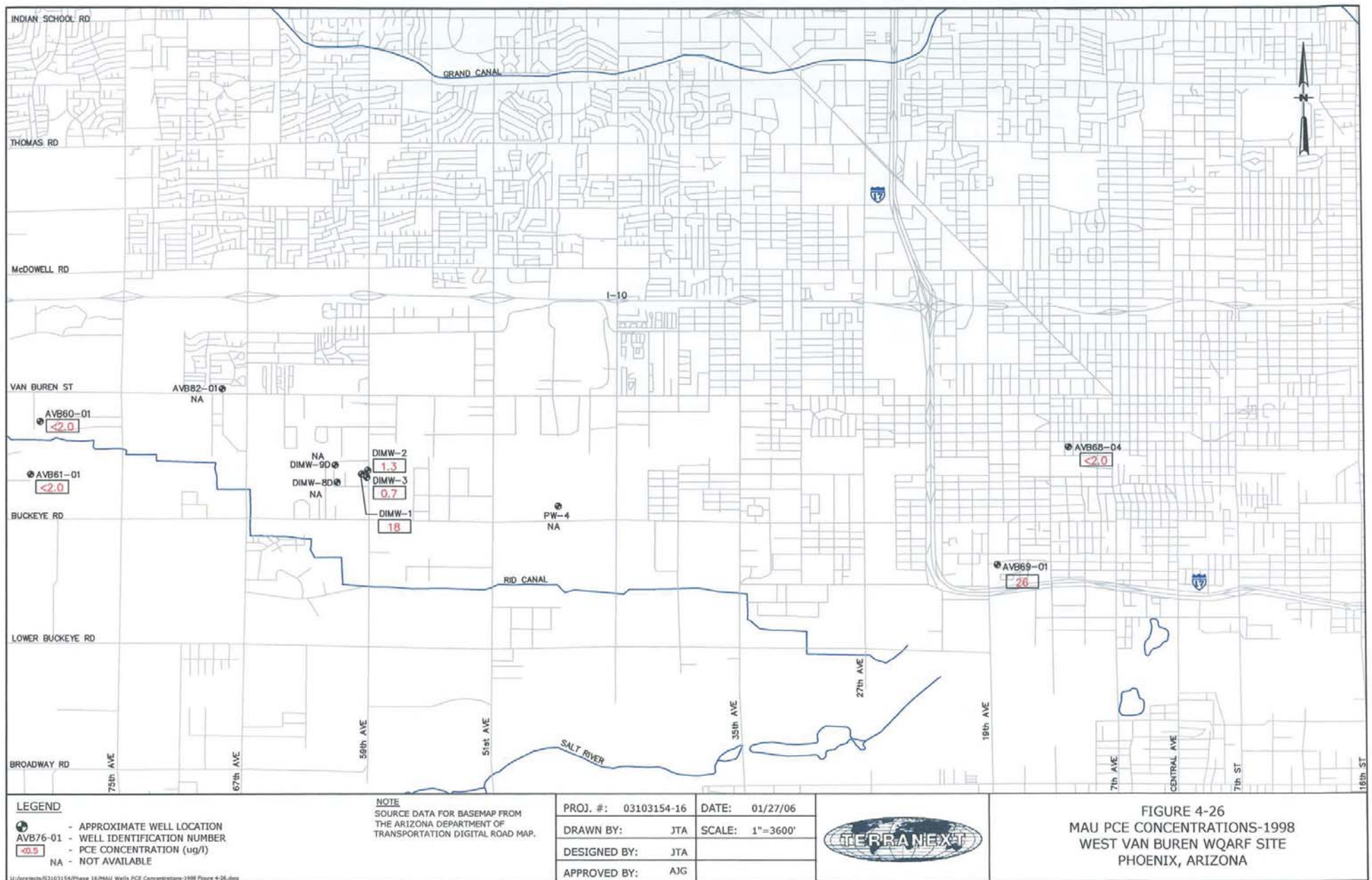
LEGEND
 ● - APPROXIMATE WELL LOCATION
 AVB76-01 - WELL IDENTIFICATION NUMBER
 <0.5 - TOTAL Cr CONCENTRATION (mg/l)
 NA - NOT AVAILABLE

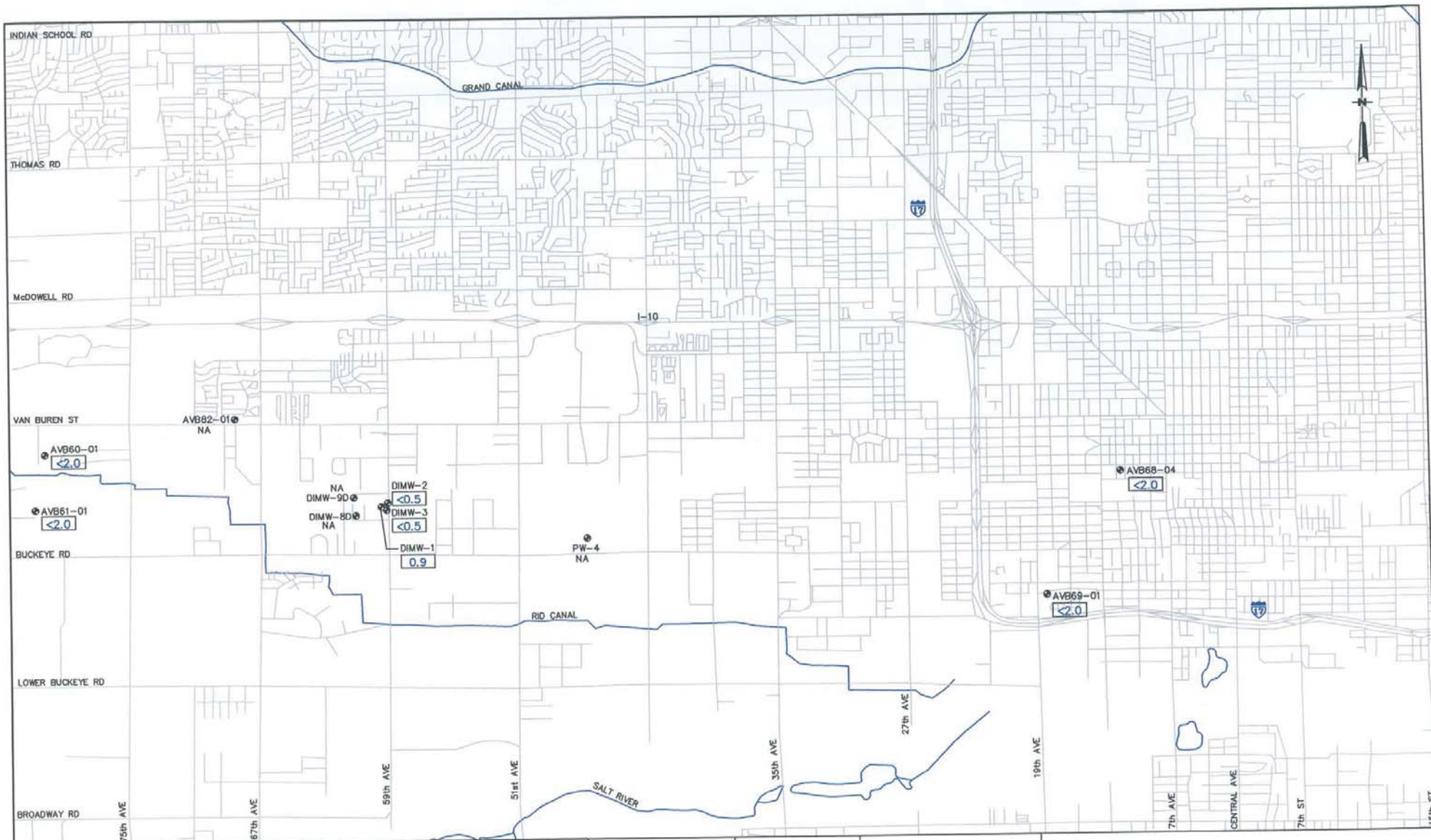
NOTE
 SOURCE DATA FOR BASEMAP FROM
 THE ARIZONA DEPARTMENT OF
 TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	08/18/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-25
 UAU 2 TOTAL Cr CONCENTRATIONS
 FIRST QUARTER 2008
 WEST VAN BUREN WQARF SITE
 PHOENIX, ARIZONA





LEGEND

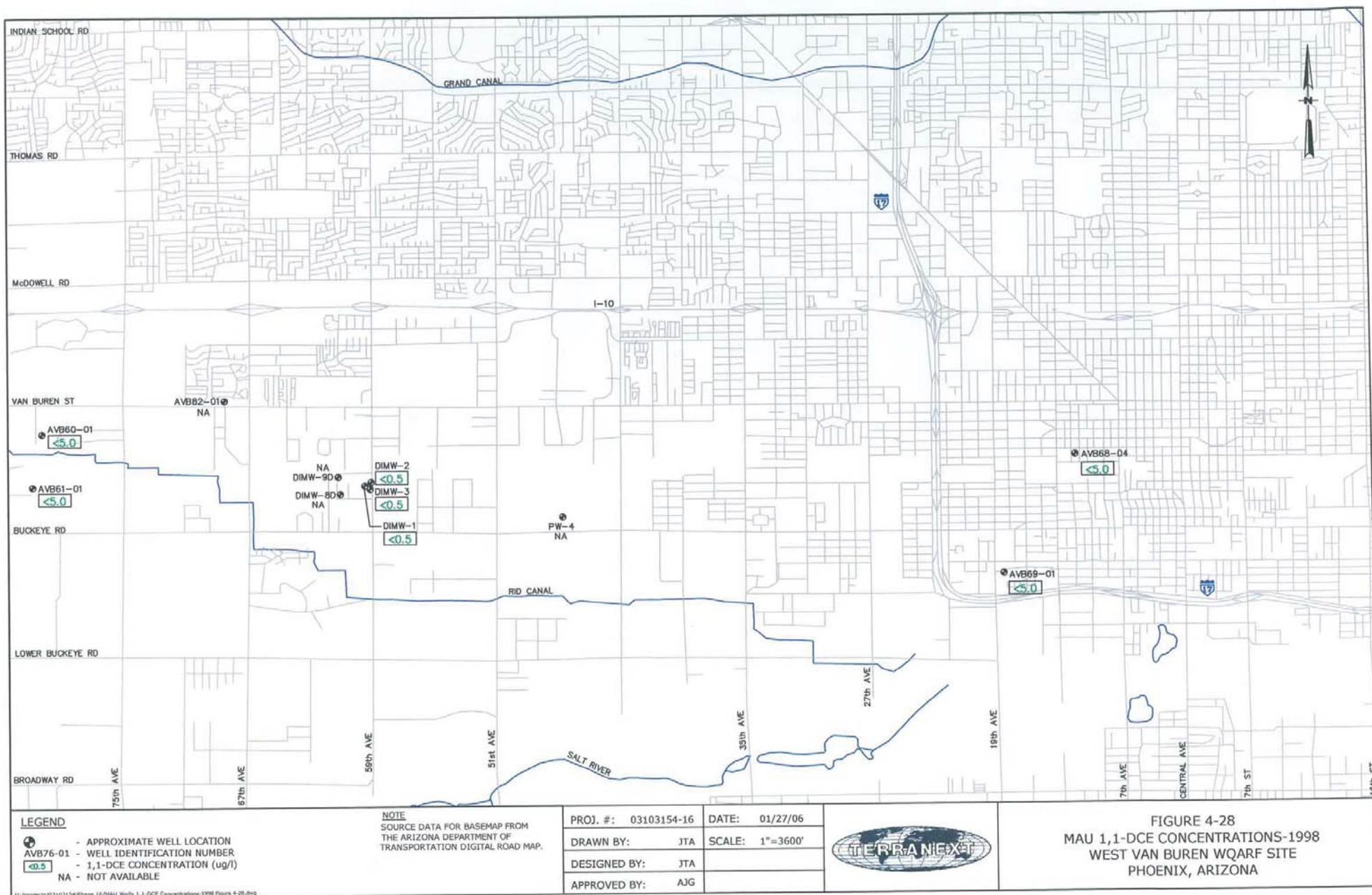
- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - TCE CONCENTRATION (ug/l)
- NA - NOT AVAILABLE

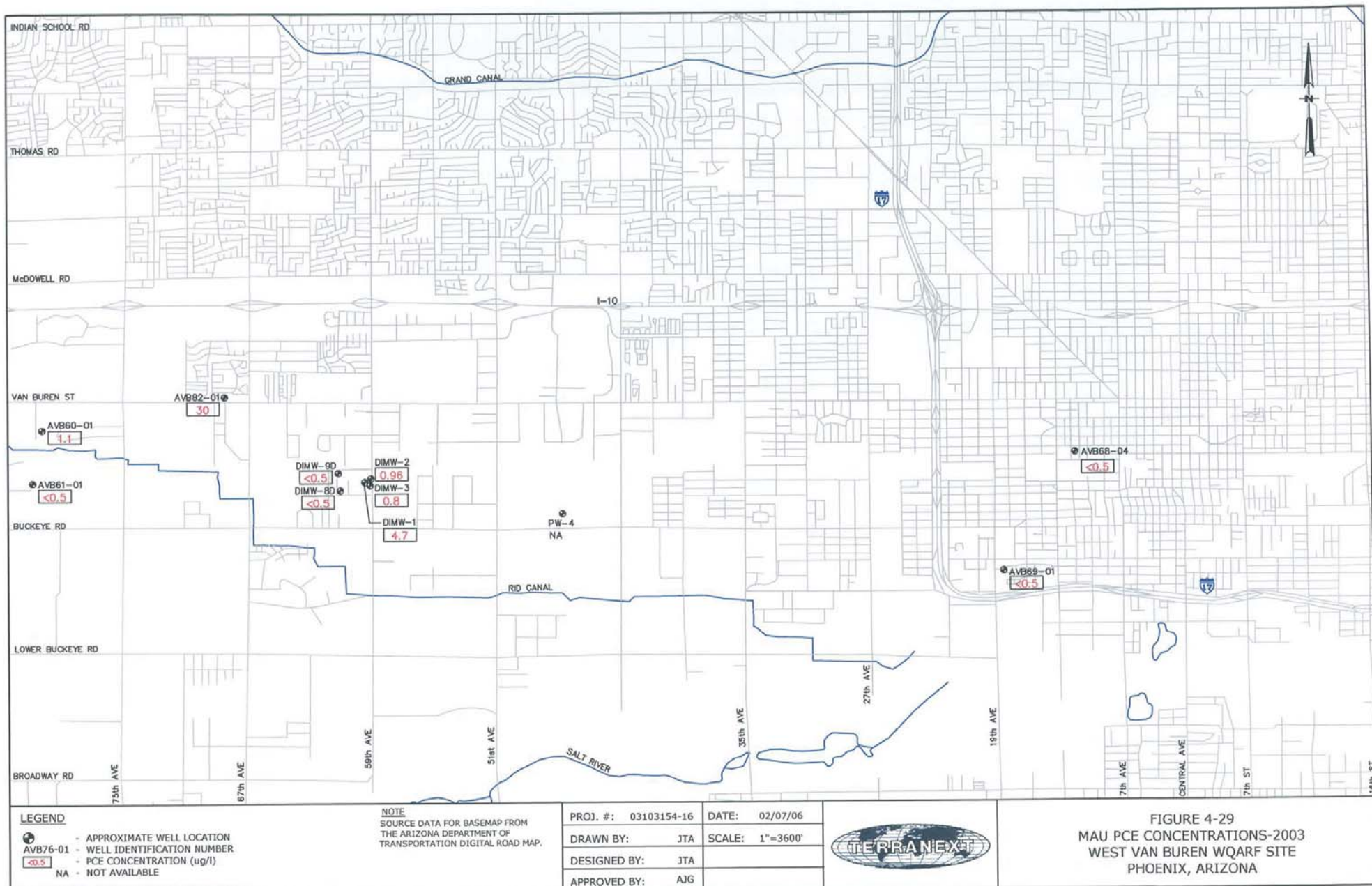
NOTE
SOURCE DATA FOR BASEMAP FROM
THE ARIZONA DEPARTMENT OF
TRANSPORTATION DIGITAL ROAD MAP.

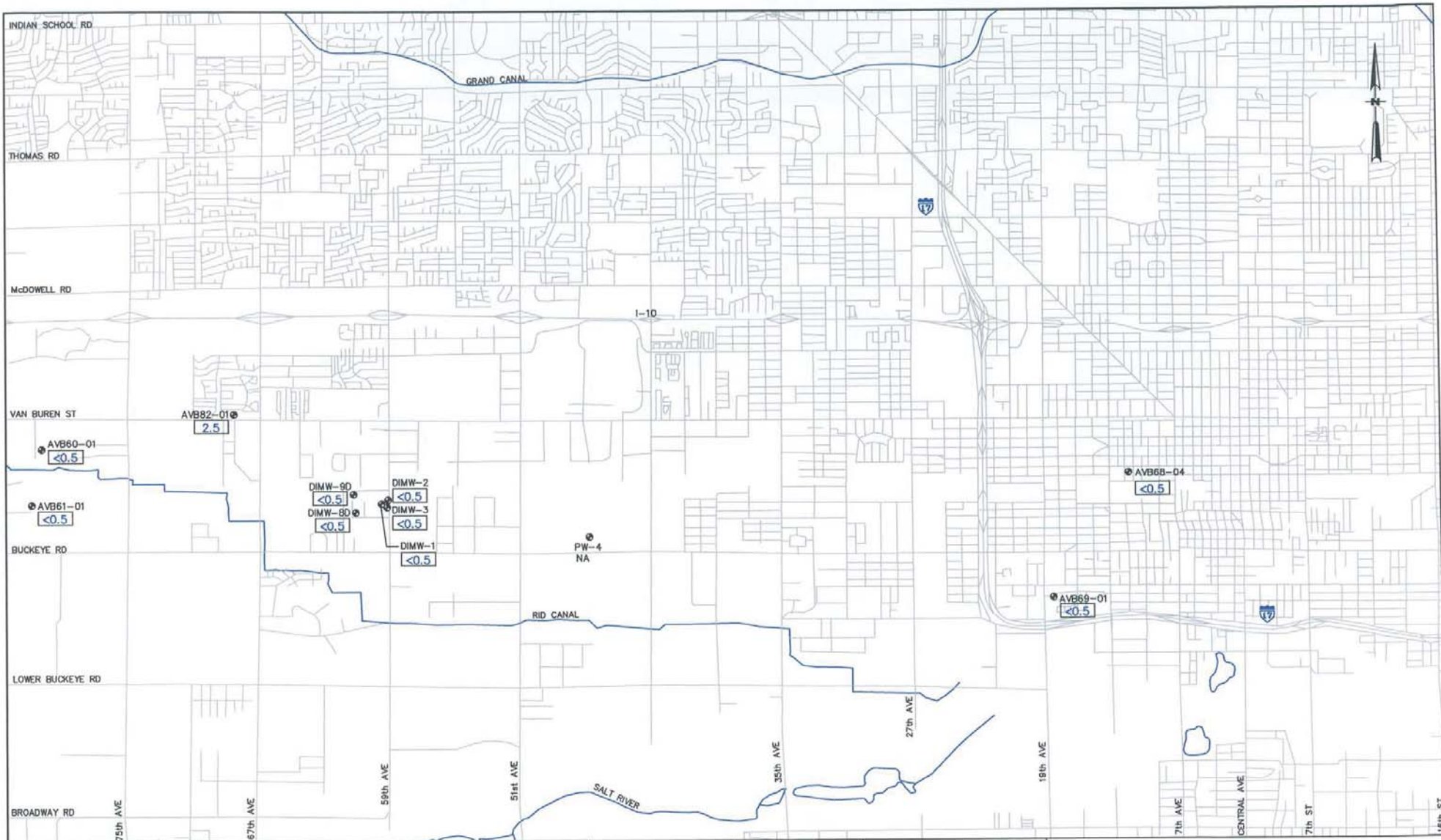
PROJ. #:	03103154-16	DATE:	01/27/06
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	JTA		
APPROVED BY:	AJG		



FIGURE 4-27
MAU TCE CONCENTRATIONS-1998
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA







LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - TCE CONCENTRATION (ug/l)
- NA - NOT AVAILABLE

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #: 03103154-16

DATE: 02/16/06

DRAWN BY: JTA

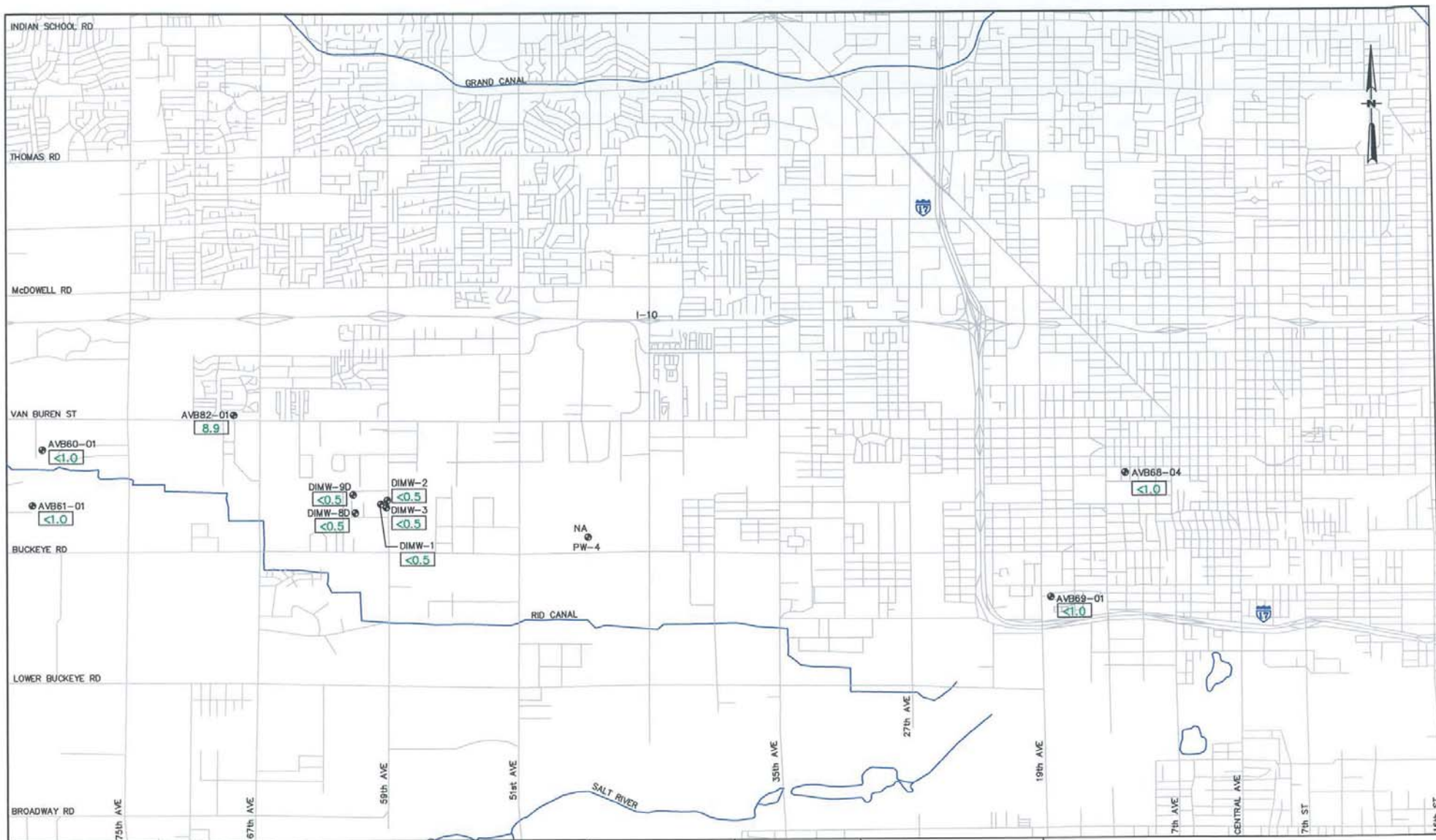
SCALE: 1"=3600'

DESIGNED BY: JTA

APPROVED BY: AJG



FIGURE 4-30
MAU TCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA



LEGEND

- - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- <0.5 - 1,1-DCE CONCENTRATION (ug/l)
- NA - NOT AVAILABLE

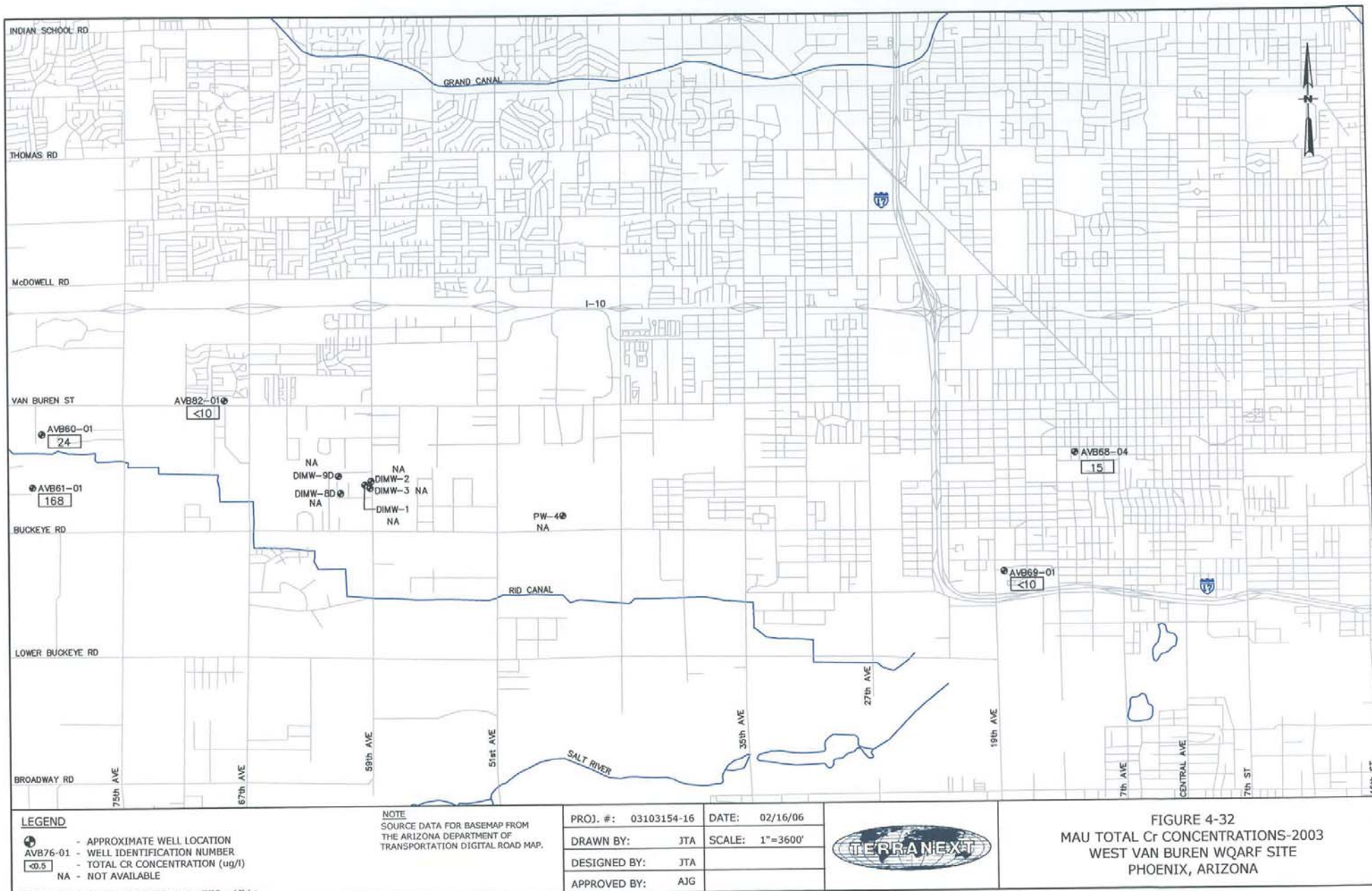
NOTE

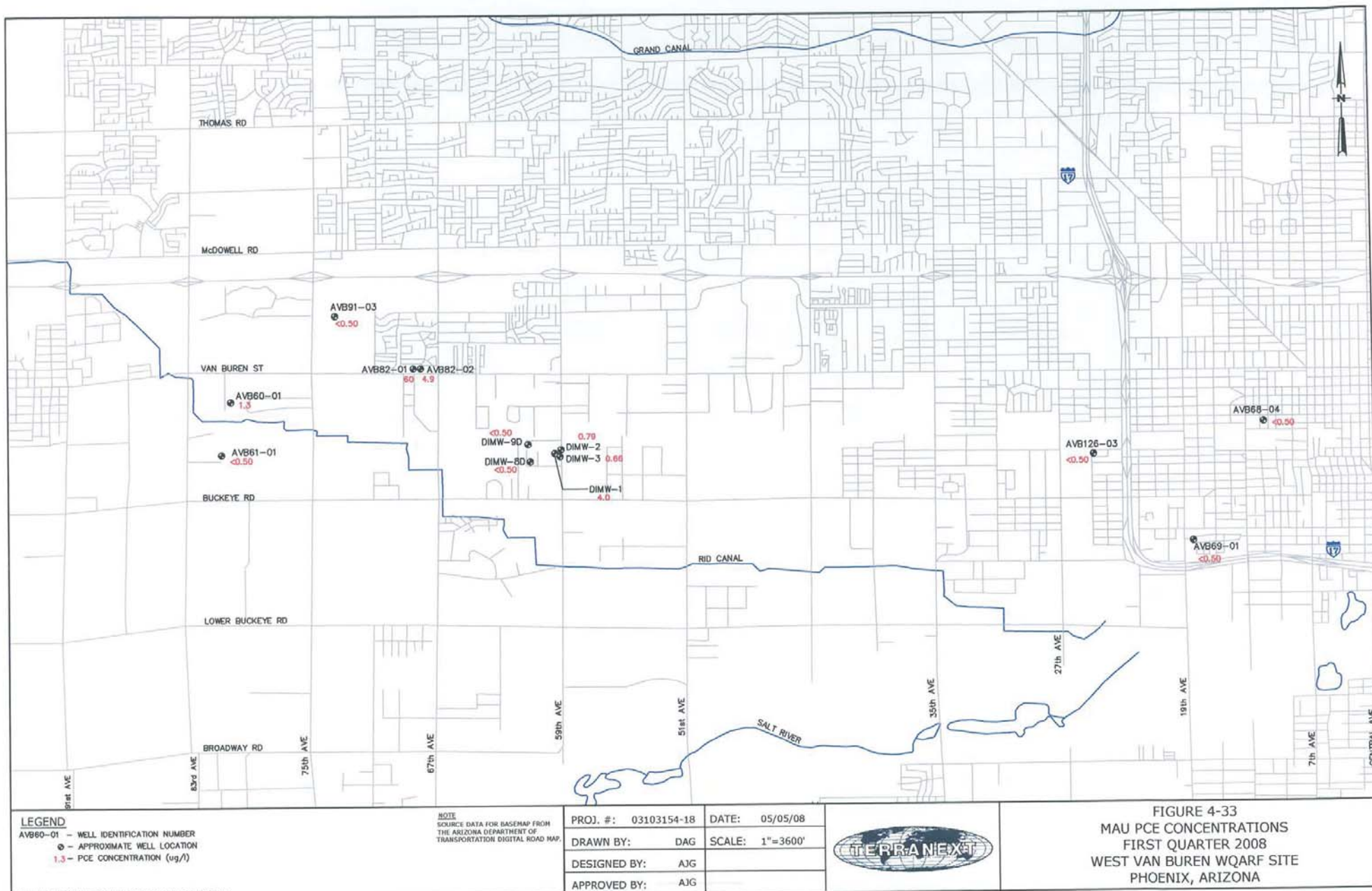
SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

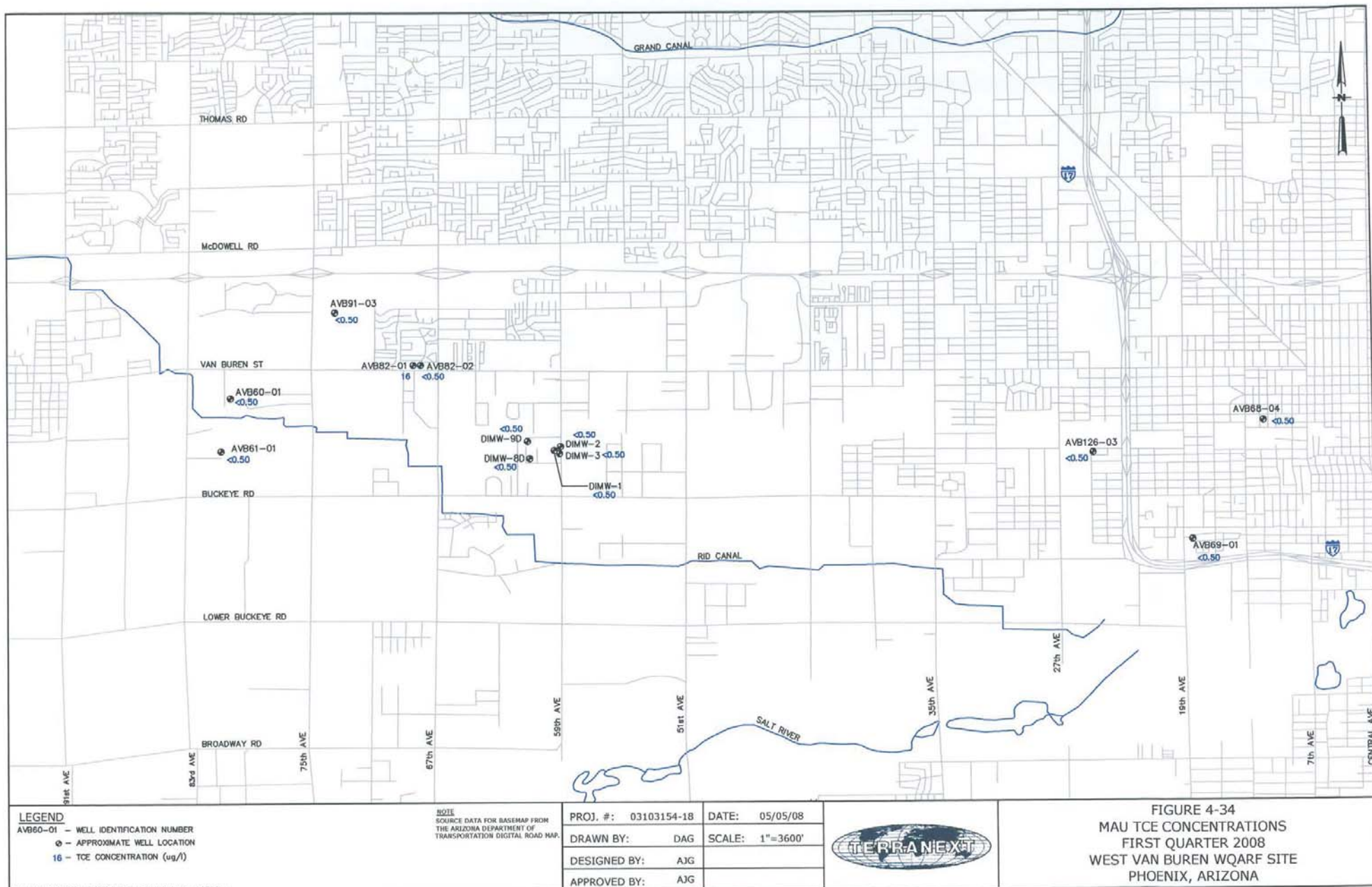
PROJ. #:	03103154-16	DATE:	02/16/06
DRAWN BY:	JTA	SCALE:	1"=3600'
DESIGNED BY:	JTA		
APPROVED BY:	AJG		

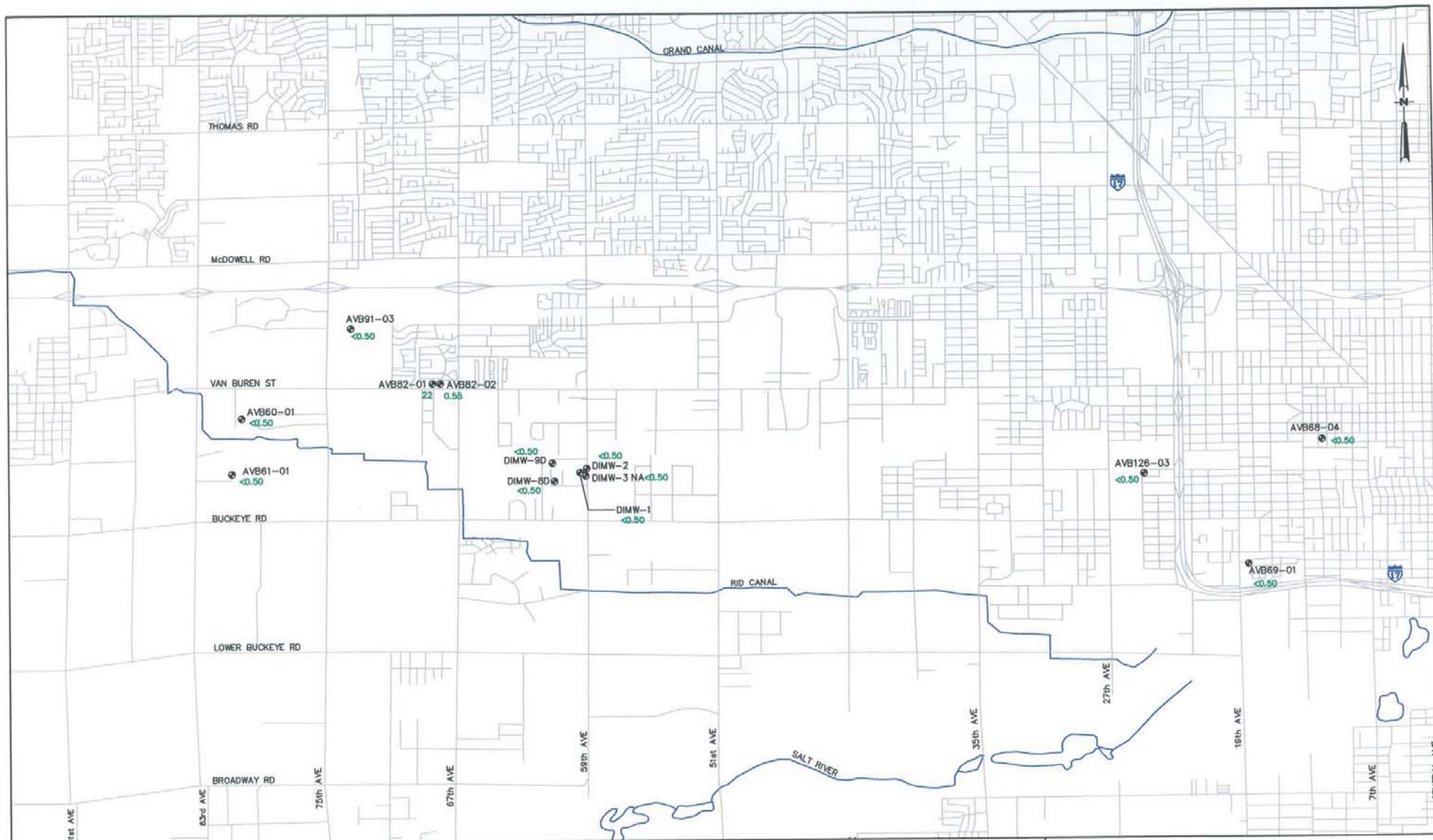


FIGURE 4-31
MAU 1,1-DCE CONCENTRATIONS-2003
WEST VAN BUREN WQARF SITE
PHOENIX, ARIZONA









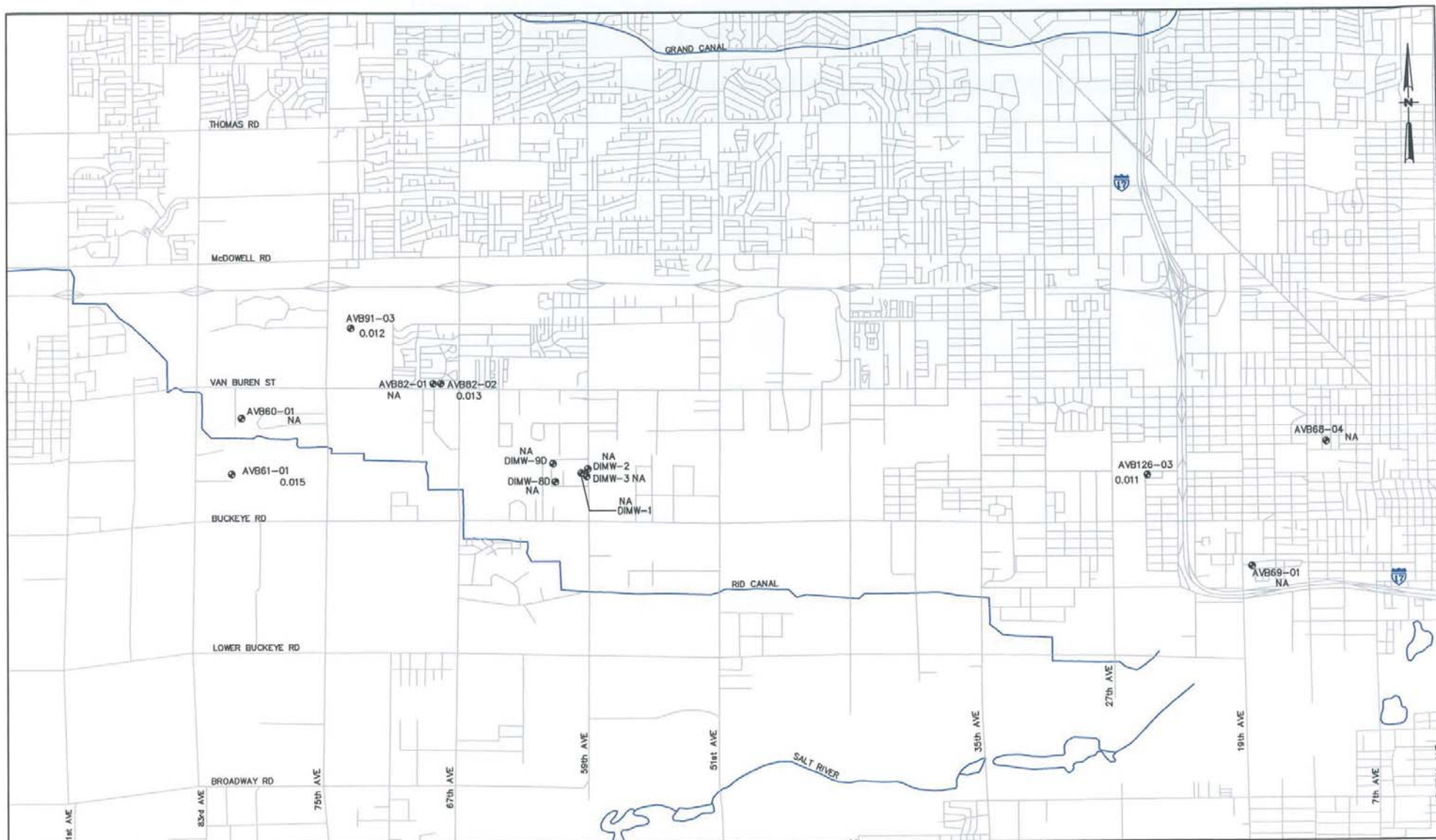
LEGEND
 AVB60-01 - WELL IDENTIFICATION NUMBER
 ● - APPROXIMATE WELL LOCATION
 16 - 1,1-DCE CONCENTRATION (ug/l)

NOTE:
 SOURCE DATA FOR BASEMAP FROM
 THE ARIZONA DEPARTMENT OF
 TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	05/05/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-35
 MAU 1,1-DCE CONCENTRATIONS
 FIRST QUARTER 2008
 WEST VAN BUREN WQARF SITE
 PHOENIX, ARIZONA



LEGEND

⊙ - APPROXIMATE WELL LOCATION

AVB76-01 - WELL IDENTIFICATION NUMBER

<0.5 - TOTAL Cr CONCENTRATION (mg/l)

NA - NOT AVAILABLE

NOTE

SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.

PROJ. #:	03103154-18	DATE:	08/20/08
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		



FIGURE 4-36

MAU TOTAL Cr CONCENTRATIONS

FIRST QUARTER 2008

WEST VAN BUREN WQARF SITE

PHOENIX, ARIZONA

