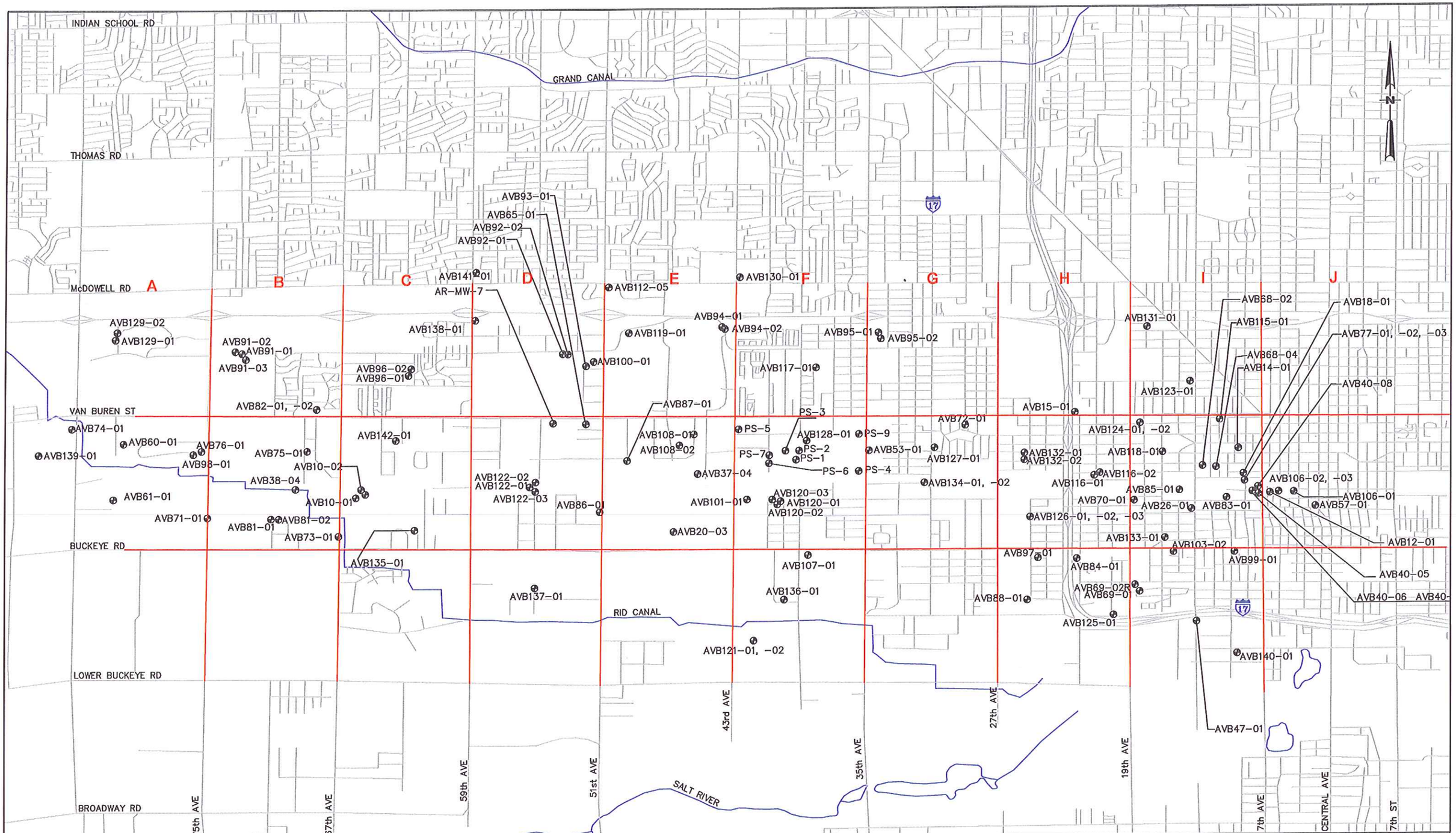

LEGEND

⊕ - APPROXIMATE WELL LOCATION
AVB76-01 - WELL IDENTIFICATION NUMBER

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

PROJ. #:	03103154-16	DATE:	10/20/06
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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FIGURE 1.1
WELL LOCATION MAP

WPFILE/ PROJECTS/ 03103154/ Phase 22/Figure 1.1 Well Location Map.dwg

INDIAN SCHOOL RD

GRAND CANAL

THOMAS RD

McDOWELL RD

VAN BUREN ST

BUCKEYE RD

RID CANAL

LOWER BUCKEYE RD

BROADWAY RD

SALT RIVER

17

N

920 925 930 935 940 945 950 955 960 965 970 975 980

AVB129-01 919.94
AVB91-01 919.22
AVB74-01 950.47
AVB76-01 920.73
AVB71-01 926.80
AVB75-01 925.85
AVB38-04 926.71
AVB81-02 927.84
AVB10-01 929.92
AVB73-01 928.52
AVB135-01 908.94
AVB96-01 935.61
AVB138-01 Dry
AVB112-05 931.89
AVB93-01 933.61
AVB119-01 933.62
AVB92-01 934.37
AVB100-01 933.51
AVB92-02 932.47
AVB65-01 Dry
AVB87-01 Dry
AVB108-02 931.76
AVB108-01 933.56
AVB122-01 930.85
AVB122-02 930.35
AVB86-01
AVB37-04 Dry
AVB20-03
AVB101-01 Dry
AVB130-01 935.92
AVB94-02 936.44
AVB94-01 933.70
PS-5 Dry
PS-3 Dry
PS-7 934.69
PS-6 935.14
PS-2 Dry
PS-1 Dry
PS-4 Dry
AVB120-01 941.80
AVB107-01 934.69
AVB121-01 937.64
AVB95-01 950.03
AVB95-02 949.56
AVB117-01 940.47
PS-9 935.89
AVB53-01 Dry
AVB72-01 958.28
AVB127-01 953.80
AVB134-01 953.90
AVB126-01 962.05
AVB97-01 961.92
AVB84-01 964.81
AVB88-01 962.05
AVB125-01 969.90
AVB116-01 967.72
AVB15-01 965.03
AVB123-01 975.65
AVB118-01 972.78
AVB85-01 974.89
AVB70-01 971.34
AVB26-01 975.63
AVB133-01 972.91
AVB103-02 973.72
AVB69-02R 971.29
AVB68-02 977.45
AVB115-01 978.68
AVB14-01 980.83
AVB83-01 978.88
AVB99-01 979.25
AVB18-01 981.43
AVB77-03 981.88
AVB40-08 981.72
AVB106-02 983.50
AVB106-01 984.56
AVB57-01 985.61
AVB12-01 983.06
AVB40-05 981.34
AVB40-06 980.89
AVB40-07 980.88
AVB140-01 980.73
AVB47-01 Dry

43rd AVE
51st AVE
59th AVE
67th AVE
75th AVE
35th AVE
27th AVE
19th AVE
7th AVE
CENTRAL AVE
7th ST
16th ST

LEGEND

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

NOTE

1. SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.
2. WHERE WELLS PAIRED, SHALLOWER WELL USED FOR CONTOURING

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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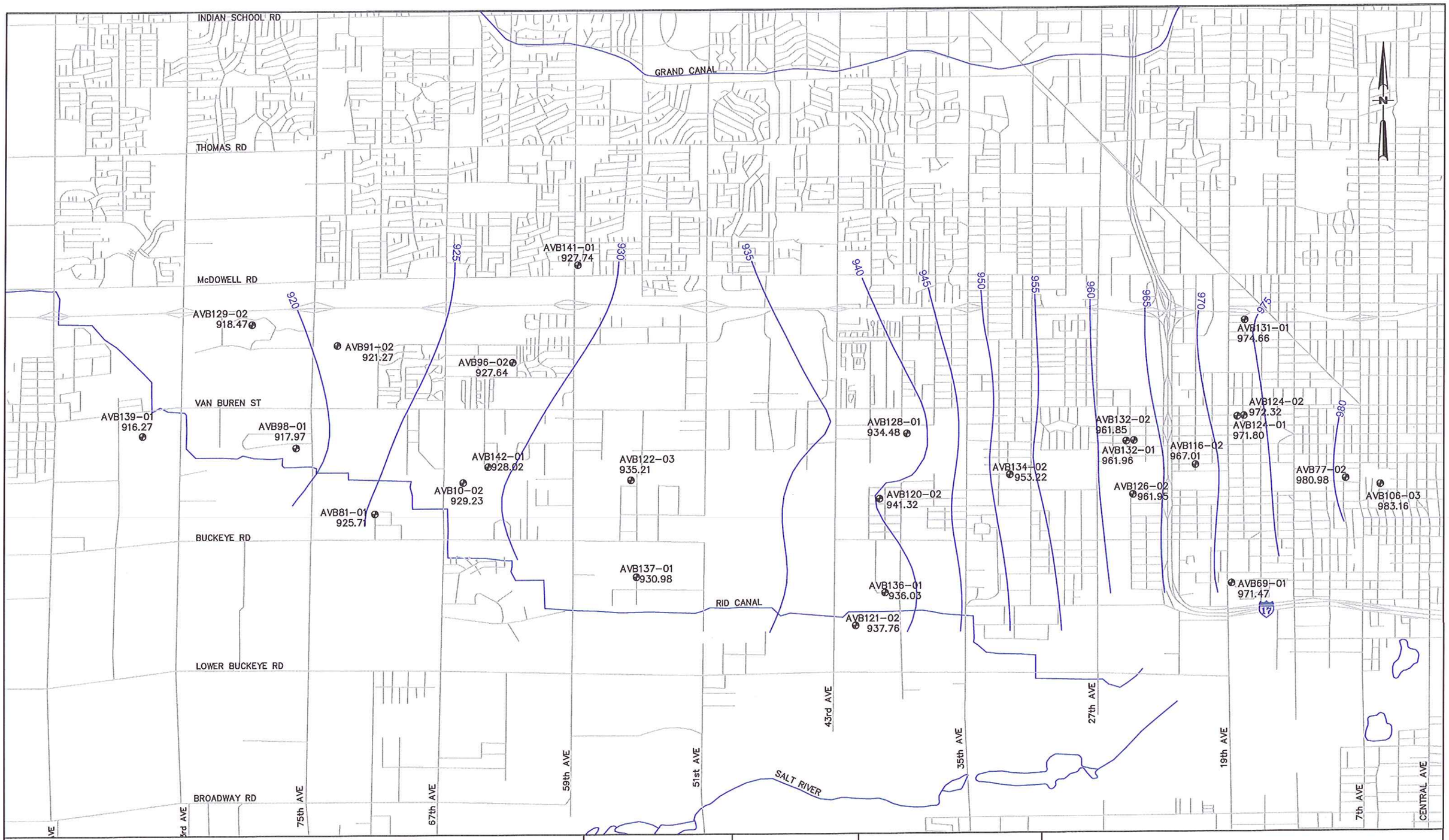
FIGURE 2.1
UAU 1 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2013

\\Phxsrv002\data\Sort\users\wpfile\projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\Figure 2.1 UAU 1 groundwater elevation contours.dwg



LEGEND

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

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

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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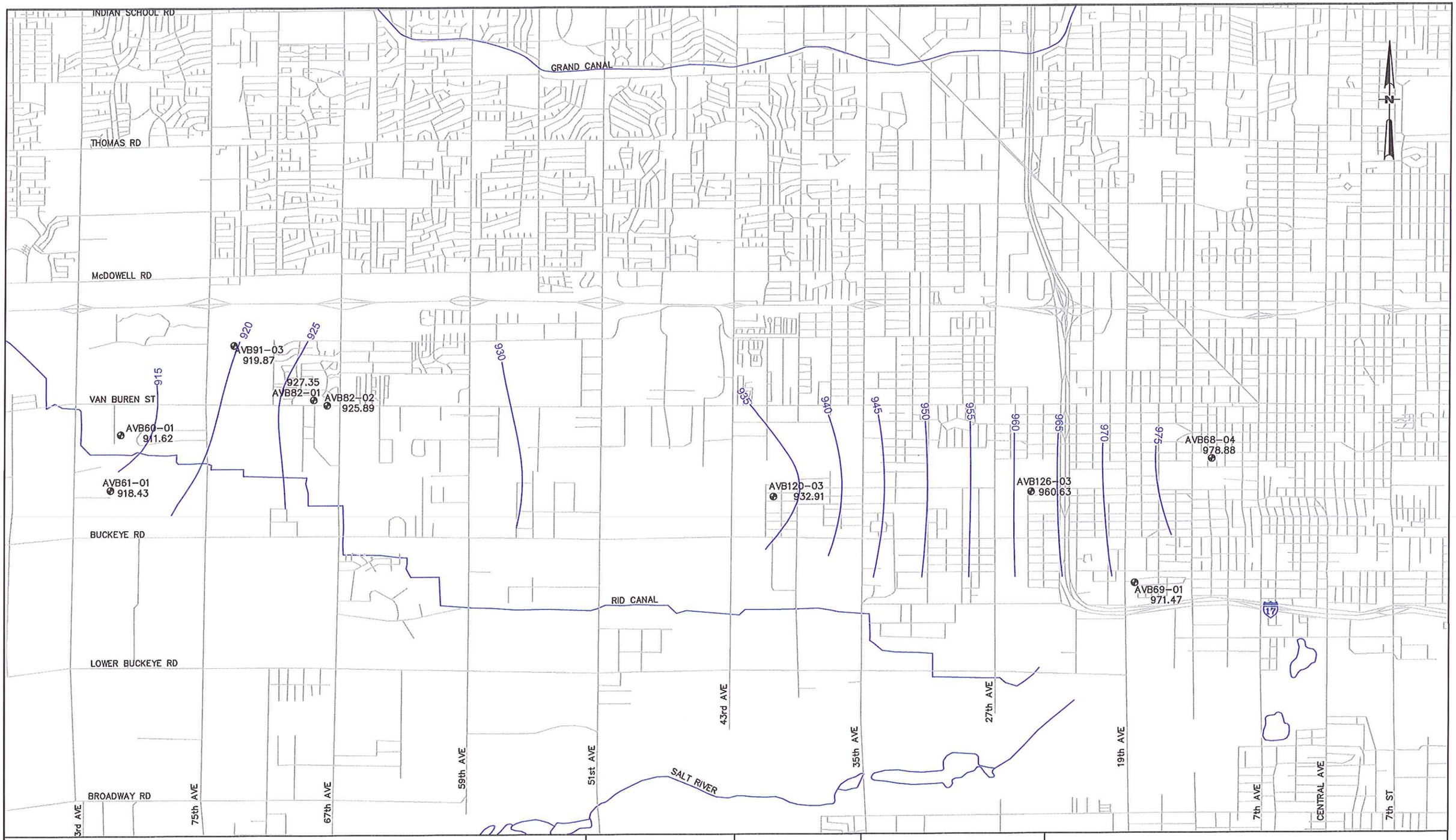
FIGURE 2.2
UAU 2 GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2013

U:/projects/03103154/Phase 23/Semiannual Monitoring/1st qtr 2013/Figure 2.2 UAU 2 Groundwater elevation contours.dwg



LEGEND

- ⊕ - APPROXIMATE WELL LOCATION
- AVB76-01 - WELL IDENTIFICATION NUMBER
- 922.87 - GROUNDWATER ELEVATION
- ——— - GROUNDWATER CONTOUR

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

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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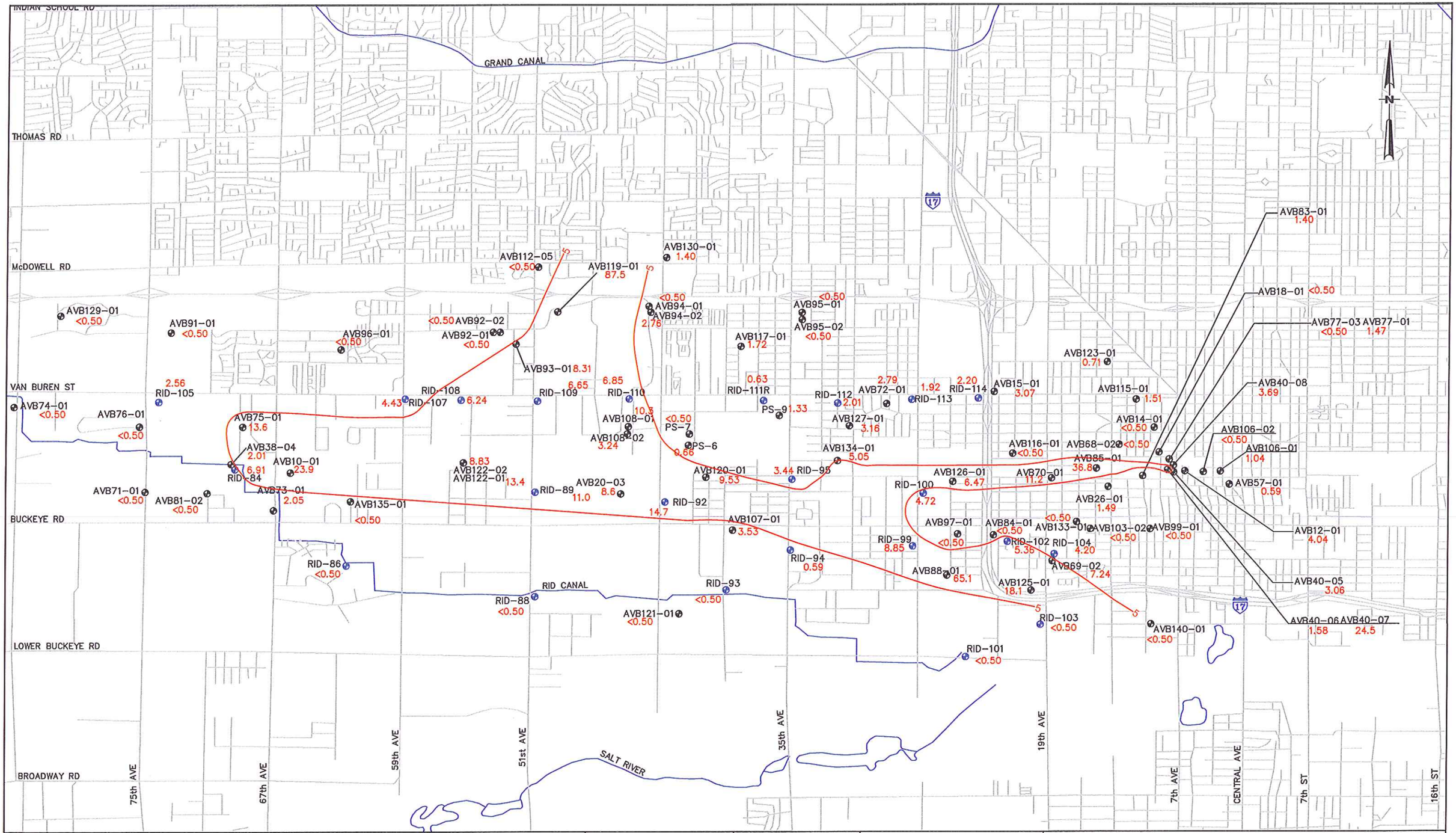
FIGURE 2.3
MAU GROUNDWATER ELEVATION CONTOURS
FIRST QUARTER 2013

projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\Figure 2.3 MAU Groundwater elevation contours.dwg



LEGEND

AVB11-06 – WELL IDENTIFICATION NUMBER
11 – TETRACHLOROETHENE (ug/l)
——— – PCE CONCENTRATION CONTOUR (ug/l)
NS – NOT SAMPLED
– APPROXIMATE WELL LOCATION
NA – NOT AVAILABLE

NOTE

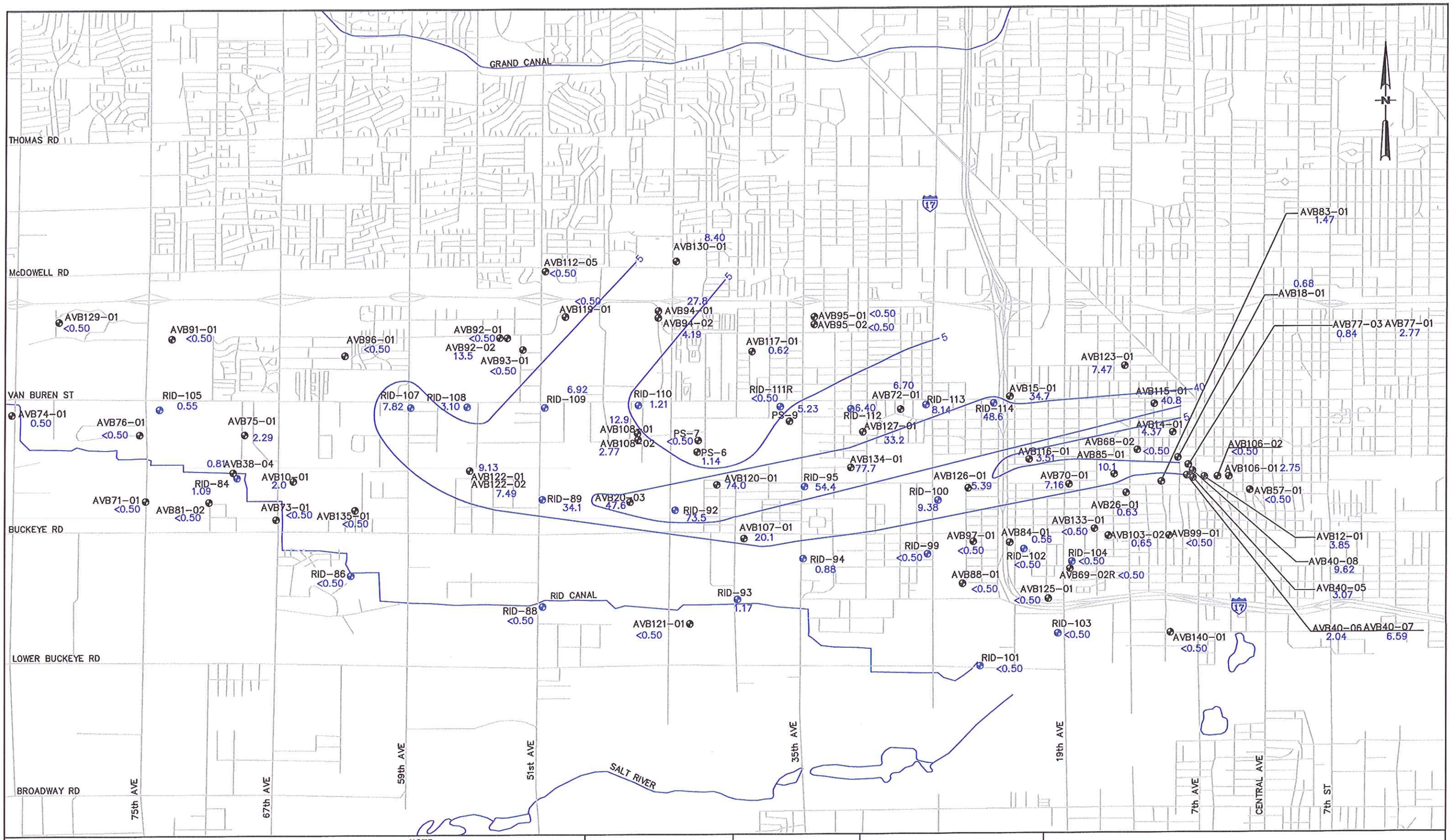
1. SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.
2. WHERE WELLS PAIRED, SHALLOWER WELL USED FOR CONTOURING

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

TERRANEXT

\\Phxsrv002\data\Sort\users\wpfile\projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\Figure 3.1 UAU 1 PCE Concentrations

FIGURE 3.1
UAU 1 PCE CONCENTRATIONS
FIRST QUARTER 2013



LEGEND

AVB71-01 – WELL IDENTIFICATION NUMBER
11 – TRICHLOROETHENE (ug/l)
—— – TCE CONCENTRATION CONTOUR (ug/l)
– APPROXIMATE WELL LOCATION

NOTE

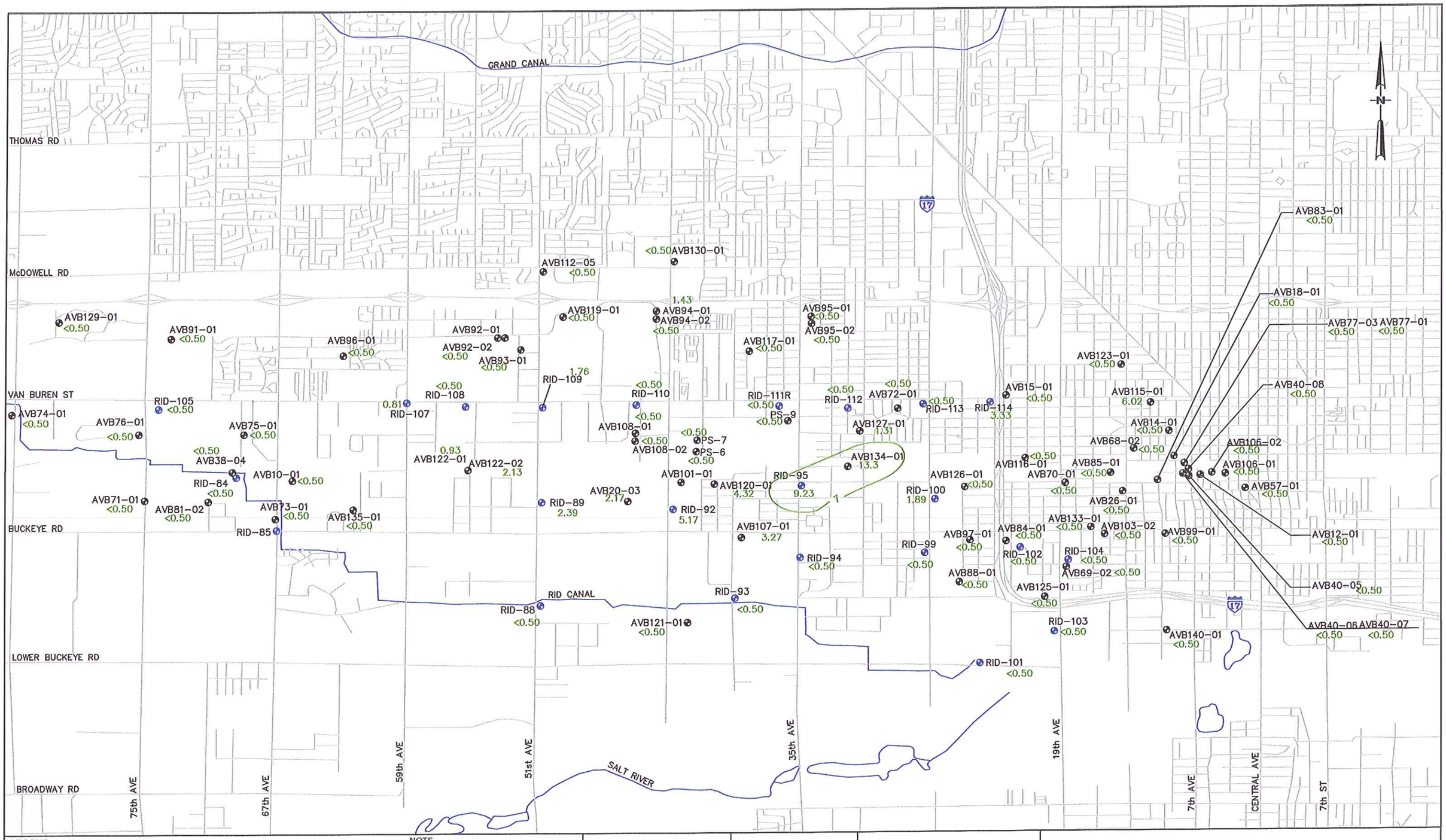
1. SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.
2. WHERE WELLS PAIRED, SHALLOWER WELL USED FOR CONTOURING

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

TERRANEXT

FIGURE 3.2
UAU 1 TCE CONCENTRATIONS
FIRST QUARTER 2013

projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\Figure 3.2 UAU 1 TCE Concentrations.dwg



LEGEND

AVB71-01 – WELL IDENTIFICATION NUMBER
11 – 1,1 – DICHLORETHENE (ug/l)
——– – 1,1 – DCE CONCENTRATION CONTOUR (ug/l)
NS – NOT SAMPLED
⊗ – APPROXIMATE WELL LOCATION
NA – NOT AVAILABLE

NOTE

1. SOURCE DATA FOR BASEMAP FROM THE ARIZONA DEPARTMENT OF TRANSPORTATION DIGITAL ROAD MAP.
2. WHERE WELLS PAIRED, SHALLOWER WELL USED FOR CONTOURING

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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FIGURE 3.3
UAU1 1,1 - DCE CONCENTRATIONS
FIRST QUARTER 2013

projects\03103154-WVBA/ Phase 23/1st qtr 2013/ Figure 3.3 UAU1,1 DCE Concentrations.dwg

INDIAN SCHOOL RD
GRAND CANAL
THOMAS RD
McDOWELL RD
VAN BUREN ST
BUCKEYE RD
LOWER BUCKEYE RD
BROADWAY RD
SALT RIVER
RID CANAL
N
17
AVB129-02 <0.50
AVB91-02 3.13
AVB96-02 <0.50
AVB141-01 <0.50
AVB131-01 4.26
RID-105 2.56
RID-107 4.43
RID-108 6.24
RID-109 6.65
RID-110 6.85
RID-111R 0.63
RID-112 2.01
RID-113 1.92
RID-114 2.20
AVB124-01 7.39
AVB124-02 <0.50
AVB139-01 <0.50
AVB98-01 <0.50
AVB66-02
AVB128-01 1.44
AVB132-01 8.36
AVB132-02 <0.50
AVB142-01 7.34
RID-84 6.91
AVB10-02 7.54
AVB122-03 3.01
AVB134-02 9.88
AVB116-02 <0.50
AVB77-02 <0.50
AVB106-03 <0.50
AVB81-01 <0.50
AVB120-02 35.5
RID-95 3.44
RID-100 4.71
AVB126-02 1.73
RID-89 11.0
RID-92 14.7
RID-102 5.36
4.20
RID-104
AVB69-01 <0.50
RID-99 8.85
AVB137-01 <0.50
8.66
AVB136-01
RID-94 0.59
RID-86 <0.50
RID-88 <0.50
RID-90 <0.50
RID-91 <0.50
RID-93 <0.50
AVB121-02 <0.50
RID-103 <0.50
RID-101 <0.50
27th AVE
19th AVE
7th AVE
CENTRAL AVE
7th ST
35th AVE
59th AVE
51st AVE
67th AVE
75th AVE

LEGEND
AVB98-01 – WELL IDENTIFICATION NUMBER
11 – TETRACHLOROETHENE (ug/l)
——— – PCE 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. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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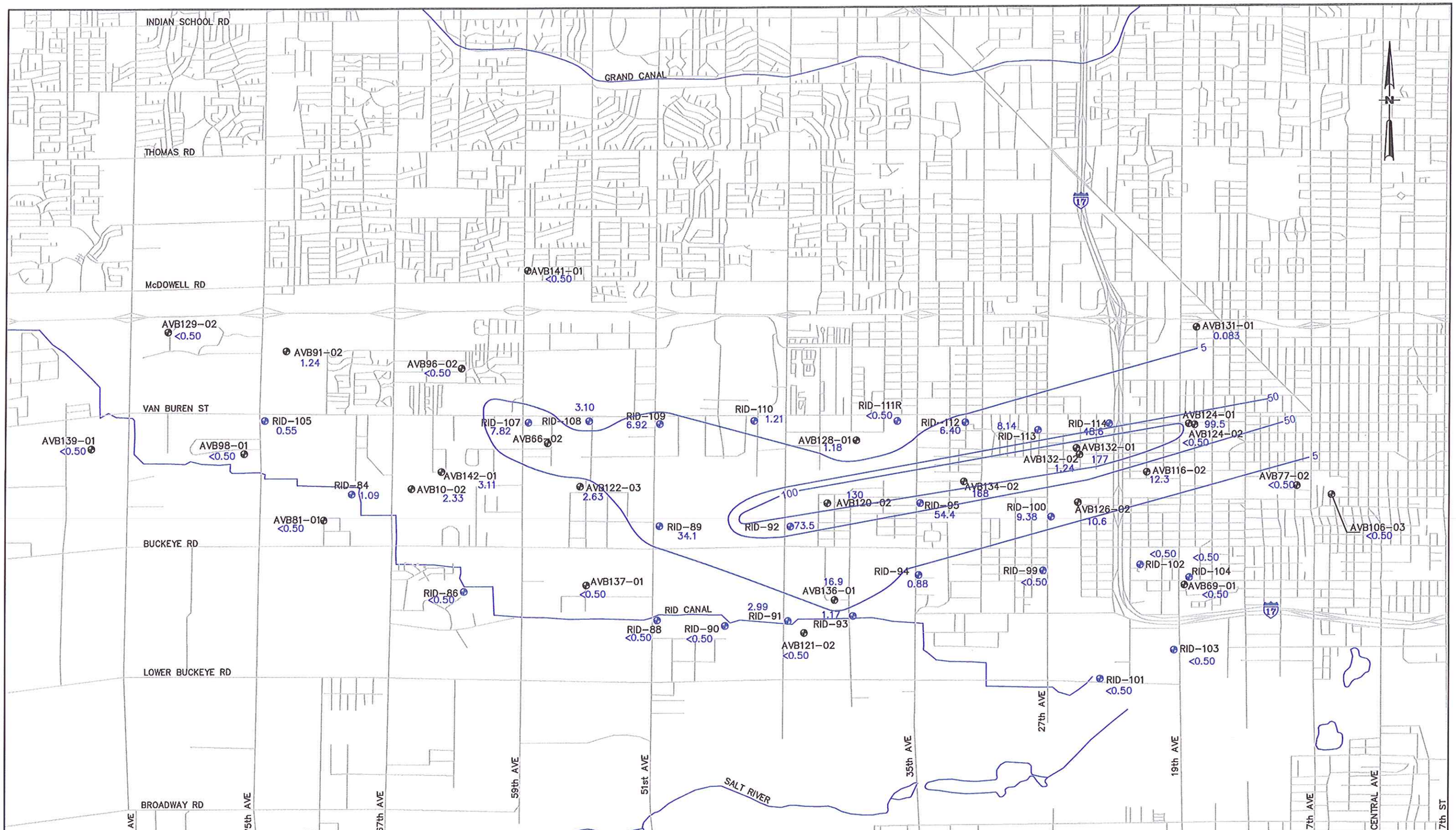
FIGURE 3.4
UAU 2 PCE CONCENTRATIONS
FIRST QUARTER 2013

projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\UAU2 PCE CONCENTRATIONS FIGURE 3.4.dwg



LEGEND

AVB98-01 – 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. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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FIGURE 3.5
UAU 2 TCE CONCENTRATIONS
FIRST QUARTER 2013

projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\UAU2 TCE CONCENTRATIONS FIGURE 3.5.dwg

INDIAN SCHOOL RD
GRAND CANAL
THOMAS RD
McDOWELL RD
VAN BUREN ST
BUCKEYE RD
LOWER BUCKEYE RD
BROADWAY RD
RID CANAL
SALT RIVER
N
17
AVB141-01 <0.50
AVB129-02 <0.50
AVB91-02 <0.50
AVB96-02 <0.50
AVB131-01 <0.50
RID-105 <0.50
RID-107 0.81
RID-108 <0.50
RID-109 1.76
RID-110 <0.50
RID-111R <0.50
RID-112 <0.50
RID-113 <0.50
RID-114 3.33
AVB124-01 13.4
AVB124-02 <0.50
AVB139-01 <0.50
AVB98-01 <0.50
AVB66-02
AVB128-01 <0.50
AVB132-01
AVB132-02 <0.50 23.1
AVB142-01 2.53
AVB116-02 3.48
AVB77-02 <0.50
RID-84 <0.50
AVB10-02 <0.50
AVB122-03 <0.50
AVB134-02 24.5
AVB120-02 <0.50
RID-95 9.23
AVB126-02 3.31
AVB106-03 <0.50
AVB81-01 <0.50
RID-89 2.39
RID-92 5.17
RID-100 1.89
RID-102 <0.50
RID-104 <0.50
AVB69-01 <0.50
RID-86 <0.50
AVB137-01 <0.50
AVB136-01 2.13
RID-94 <0.50
RID-99 <0.50
RID-88 <0.50
RID-90 <0.50
RID-91 <0.50
RID-93 <0.50
AVB121-02 <0.50
RID-103 <0.50
RID-101 <0.50
27th AVE
35th AVE
19th AVE
7th AVE
CENTRAL AVE
7th ST
59th AVE
51st AVE
67th AVE
75th AVE

LEGEND

AVB98-01 – WELL IDENTIFICATION NUMBER
11 – 1,1 – DICHLOROETHENE (ug/l)
—— – 1,1 – DCE 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. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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FIGURE 3.6
UAU 2 1,1- DCE CONCENTRATIONS
FIRST QUARTER 2013

projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\UAU2 1,1-DCE CONCENTRATIONS FIGURE 3.6.dwg

GRAND CANAL

THOMAS RD

McDOWELL RD

AVB91-03
<0.50
<0.50
<0.50

VAN BUREN ST
<0.50
<0.50
<0.50

AVB82-01
29.4
70.2
21.2

AVB82-02
<0.50
7.06
<0.50

AVB60-01

AVB61-01
<0.50
<0.50
<0.50

BUCKEYE RD

AVB120-03
<0.50
<0.50
1.03

AVB126-03
<0.50
<0.50
<0.50

AVB68-04
<0.50
<0.50
<0.50

AVB69-01
<0.50
<0.50
<0.50

RID CANAL

LOWER BUCKEYE RD

BROADWAY RD

SALT RIVER

91st AVE
83rd AVE
75th AVE
67th AVE
59th AVE
51st AVE
35th AVE
27th AVE
19th AVE
7th AVE
CENTRAL AVE

I-17

N

LEGEND

AVB60-01 – WELL IDENTIFICATION NUMBER

DCE – 1,1 – DICHLOROETHENE (ug/l)
PCE – TETRACHLOROETHENE (ug/l)
TCE – TRICHLOROETHENE (ug/l)

NA – NOT AVAILABLE
⊘ – APPROXIMATE WELL LOCATION
NS – NOT SAMPLED

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

PROJ. #:	03103154-23	DATE:	05/27/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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projects\03103154-WVBA\Phase 23\Semiannual Monitoring\1st Qtr 2013\Figure 3.7 MAU Contaminant Concentrations.dwg

FIGURE 3.7
MAU CONTAMINANT CONCENTRATIONS
FIRST QUARTER 2013

LEGEND

- RID WELL LOCATION
- ESTIMATED WEST VAN BUREN BOUNDARY
- RID SURFACE WATER SAMPLE LOCATION (APPROX)

DCE	1,1-Dichloroethene (ug/l)
PCE	Tetrachloroethene (ug/l)
TCE	Trichloroethene (ug/l)

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

PROJ. #:	03103154	DATE:	7/28/13
DRAWN BY:	DAG	SCALE:	1"=3600'
DESIGNED BY:	AJG		
APPROVED BY:	AJG		

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FIGURE 3.8
RID WELL/SURFACE WATER CONCENTRATIONS APRIL 2013

WPFILE/ PROJECTS/ 03103154/ Misc. Figures/ RID Maps/Figure 3.8 RID Well Surface Water Concentrations.dwg