

**East Central Phoenix (ECP) Water Quality Assurance Revolving Fund (WQARF) Sites
Community Advisory Board (CAB) Meeting**

Wednesday, August 17, 2011
6:00 p.m.-8:00 p.m.
The Village-Camelback, Conference Room
4444 E. Camelback Road
Phoenix, Arizona 85018

FINAL MINUTES

Ref: OU #12-010

CAB members present: Jolene Morris; Richard Siegel; Barbara St. Mary; Laura M. Ruffalo

ADEQ Staff in attendance: Jennifer Thies, Remedial Projects Unit Manager; Tina LePage, Project Manager; Felicia Calderon, Community Involvement Coordinator (CIC)

Members of the public present: Chuck Graves; Terry Kalaghan; John Kinkel; Mary Moore;

The following matters were discussed, considered, and decided upon at the meeting:

1. Welcome/Introductions

Ms. Calderon opened the meeting with introductions and turned the meeting over to the Co-chair Mr. Siegel.

2. Update on quarterly monitoring and sampling activities- Tina LePage, Project Manager

Ms. LePage initiated an orientation of the six areas that compose the East Central Phoenix (ECP) WQARF Site, and provided an overview of past Site activities since the last CAB meeting on September 17, 2008. Ms. LePage then focused her discussion on the remedial investigation at two specific study areas within the ECP Site: 32nd Street & Indian School Road and 48th Street & Indian School Road.

Please see presentation below

Ms. Ruffalo inquired as to why the two sites of 32nd Street & Indian School Road and 48th Street & Indian School Road were funded instead of the other four areas of ECP. Ms. LePage responded that wells in these two areas had increases of contaminant concentrations as opposed to the other areas where concentrations were more stable.

Ms. Ruffalo questioned if the contamination in the groundwater at 32nd Street & Indian School Road could clean up naturally. Ms. LePage replied that biodegradation (natural breakdown of contaminants) and the former soil vapor extraction (SVE) system that operated behind the Former Vikings facility could have contributed to the decrease in contamination levels in the

groundwater. Ms. LePage noted that further studies were required to determine the exact causes of the recent drop in groundwater contamination levels.

Ms. LePage responded to Mr. Siegel that Stantec was the current ADEQ contractor performing work, including well sampling at the 32nd Street & Indian School Road area.

Ms. Morris inquired if there was another dry cleaner that operated at the site where Maroneys dry cleaning is currently located. Ms. LePage replied that her records indicated that Maroneys was the only dry cleaner historically at this location. Ms. Morris questioned if any of the dry cleaners responsible for the ECP site plumes are being held accountable. Ms. LePage responded that accountability was something ADEQ's legal department is investigating.

Ms. LePage and Ms. St. Mary discussed the physical properties of the perchloroethylene (PCE) a contaminant at the Site.

Both Mr. Siegel and Ms. Thies discussed drinking water quality in relationship to the ECP Site with Ms. St. Mary. Ms. Thies stressed that the drinking water in her area was provided by the City of Phoenix and was tested regularly. Ms. St. Mary expressed concerns of other elements in the drinking water not being tested by the municipalities.

3. Accept and/or changes to CAB minutes of May 13, 2009 and September 17, 2008- CAB Co-chair

Ms. Morris motioned to accept both meeting minutes as written, and Ms. Ruffalo seconded the motion. These minutes were accepted unanimously by the CAB.

4. CAB Co-chair discussion and vote- Felicia Calderon, CIC

The CAB discussed Co-chair nominations. Ms. Morris and Mr. Siegel agreed to accept another term as Co-chairs. Ms. Morris and Mr. Siegel were voted on as CAB Co-chairs.

5. CAB Review and input for the Community Involvement Plan (CIP)-Felicia Calderon, CIC

Ms. Calderon explained the purpose and various distribution routes of the CIP. Ms. Calderon encouraged the CAB's participation in developing the CIP and pointed out specific areas which their input was essential. Ms. Calderon requested that all CAB comments be submitted by Friday, September 2, 2011.

6. *Call to the Public

Ms. Moore inquired about the cause of the concentration variances in monitoring wells 4A and 4B at 32nd Street. Ms. LePage stated that the different sampling depths, which there were six, contributed to the concentration variances. A community member inquired if there were known risks to the ingestion of vegetables and fruits grown within the Site. Both Ms. LePage and Mr. Siegel replied in the negative to their knowledge.

Ms. Moore expressed her concerns about a monitoring well near 24th Street and Thomas where high levels of PCE were detected. Ms. Moore inquired if this area was going to be added to the

24th Street and Grand Canal Site as part of the larger ECP Site. Ms. LePage responded that future funding to the rest of the ECP Site will determine future actions for this area, and added that she would examine the data collected from this well.

7. Next Meeting date and agenda topics

The CAB elected to hold their next meeting on Wednesday, November 9 or the 16, at a new location to be determined with the assistance of the CAB and the CIC. Future agenda items proposed included a site update, CAB membership and charter review, CIP discussion and vote.

8. Adjournment

Mr. Siegel adjourned the meeting.



East Central Phoenix WQARF Site

Community Advisory Board Meeting

August 17, 2011



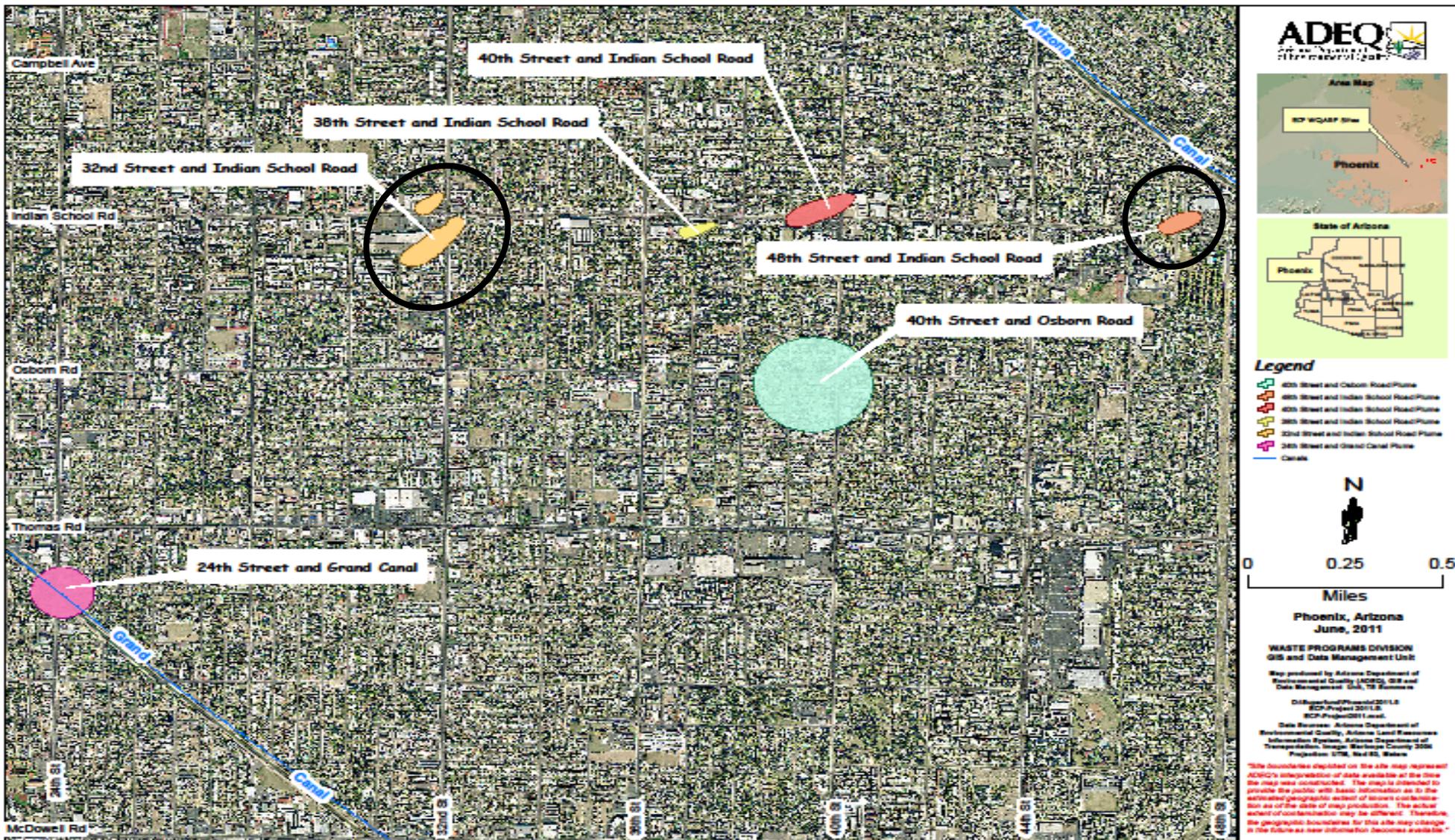
East Central Phoenix WQARF Site

Composed of the following six sites:

- 24th Street & Grand Canal
- **32nd Street & Indian School Road**
- 38th Street & Indian School Road
- 40th Street & Indian School Road
- 40th Street & Osborn Road
- **48th Street & Indian School Road**

East Central Phoenix WQARF Site

East Central Phoenix (ECP) WQARF Sites



Activities Since Last CAB Meeting on September 17, 2008

- January 2009 – ADEQ funding cuts
- May 13, 2009 - 48th Street & Indian School Road Site Visit
- October 2010 – New ADEQ Project Manager – Tina LePage
- Limited Soil Gas and Groundwater Sample Collection
 - 32nd Street & Indian School Road
 - 48th Street & Indian School Road

ECP Background

- Placed on the WQARF Registry list in 1987
- Salt River Project (SRP) reported groundwater contamination in three wells
- PCE (tetrachloroethene) is the main contaminant of concern
- TCE (trichloroethene) also present at Former Vikings Cleaners

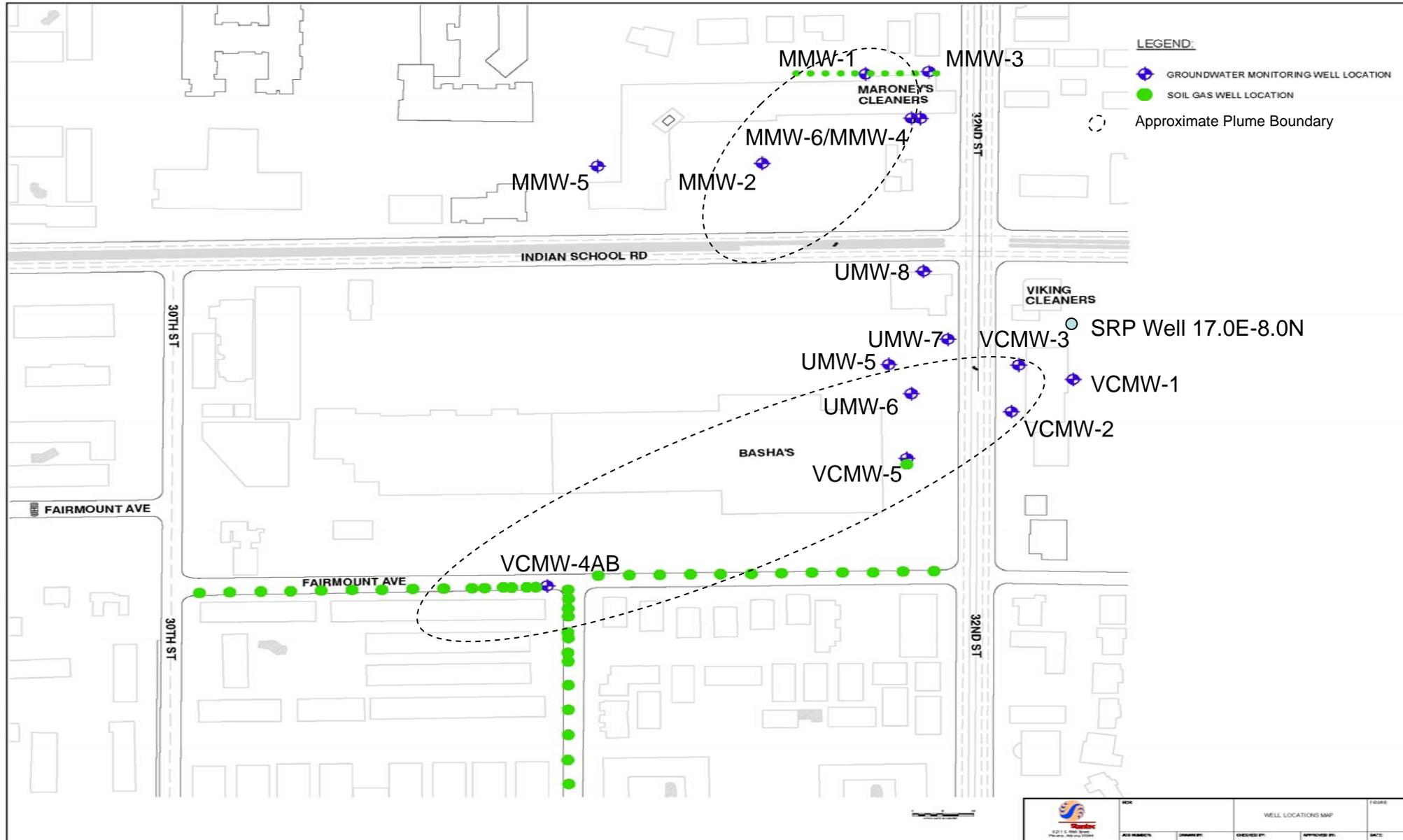


East Central Phoenix WQARF Site

32nd Street & Indian School Road

- Depth to groundwater ~53 to 55 feet below grade
- Groundwater flow is to the south/southwest
- Two separate groundwater contaminant plumes:
Maroneys & Former Viking Cleaners
- Groundwater samples from 2008 suggested that the PCE plume was undefined downgradient
- First Quarter 2010 ADEQ collected soil gas samples to help determine the location of the new downgradient monitor well
- Groundwater was last sampled November 2010

East Central Phoenix WQARF Site





East Central Phoenix WQARF Site

2008 PCE Results in Groundwater

Maroneys:

Ranged from ND (<1.0 ppb) MMW-5 & MMW-6 to 180 ppb MMW-3

Former Vikings:

Ranged from 9.6 ppb VCMW-3 to 540 ppb VCMW-3

Installed two monitor wells:

VCMW-4A (shallow/intermediate/deep)

2,700 ppb/2,900 ppb/1,900 ppb

VCMW-4B (shallow/intermediate/deep)

35ppb/30 ppb/33 ppb

(ppb = part per billion, ug/L)

2010 PCE Results in Groundwater

Maroneys:

Ranged from ND (<1.0 ppb) MMW-5 & MMW-6 to 240 ppb MMW-4

Former Vikings:

Ranged from 6.6 ppb VCMW-3 to 69 ppb VCMW-3

Monitor wells:

VCMW-4A:

1,100 ppb/980 ppb/1,200 ppb

VCMW-4B:

7 ppb/5.6 ppb/6.8 ppb



East Central Phoenix WQARF Site

32nd Street & Indian School Road

Upcoming Activities

- Received access from Bashas December 2010 - installed VCMW-5 in February 2011
- Maroneys vapor extraction pilot test conducted June 2011 - data evaluation needed
- Groundwater sampling – Week of August 12th
- Transfer ownership of ConocoPhillips off site monitor wells UMW-5 through UMW-8 to ADEQ
- Additional soil vapor samples will be collected to help determine additional groundwater monitor well locations

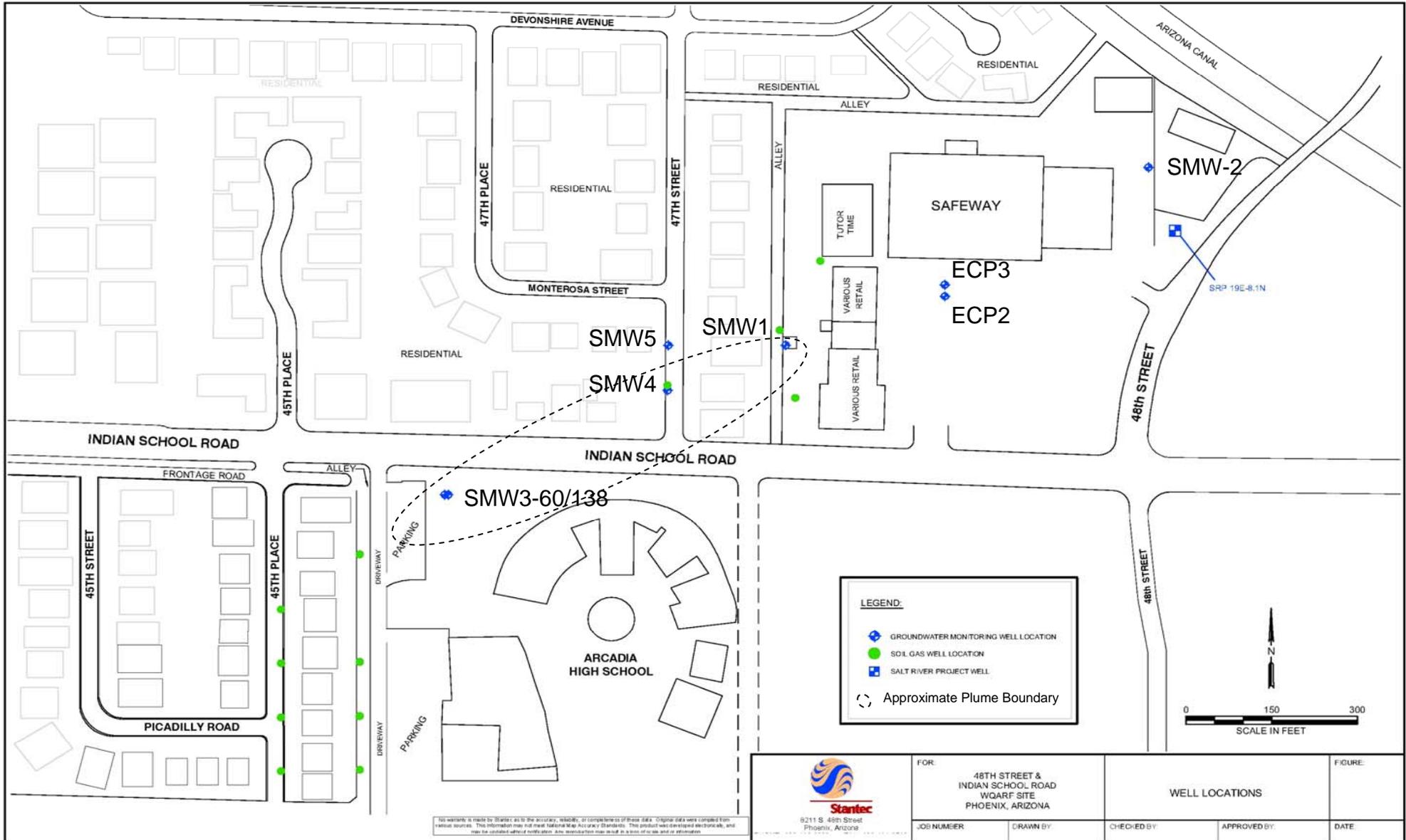


East Central Phoenix WQARF Site

48th Street & Indian School Road

- Depth to groundwater ~30 to 33 feet below grade
- Groundwater flow is to the south/southwest
- Contaminant plume originates at Sandy's Magic Touch Cleaners
- Salt River Project operates a soil vapor extraction (SVE) unit behind Sandy's Cleaners
- Groundwater samples from 2008 suggested that the PCE plume was undefined downgradient
- First Quarter 2010 ADEQ collected soil gas samples to help determine the location of the new downgradient monitor well
- Groundwater was last sampled November 2010

East Central Phoenix WQARF Site



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FOR:
48TH STREET &
INDIAN SCHOOL ROAD
WQARF SITE
PHOENIX, ARIZONA

WELL LOCATIONS		FIGURE:
JOB NUMBER	DRAWN BY	CHECKED BY:
		APPROVED BY:
		DATE



East Central Phoenix WQARF Site

48th Street & Indian School Road

2008 PCE Results

Ranged from ND (<1.0 ppb) in
SMW-2, SMW-3-138, SMW-5, ECP2 and ECP3 to
78 ppb SMW-1

2010 PCE Results

Ranged from ND (<1.0 ppb) in
SMW-2, SMW-3-138, SMW-5, ECP2 and ECP3 to
110 ppb SMW-3-60



East Central Phoenix WQARF Site

48th Street & Indian School Road Upcoming Activities

- Groundwater sampling – Week of August 12th
- Additional soil vapor samples will be collected to help determine additional groundwater monitor well locations



East Central Phoenix WQARF Site

Questions?

Tina LePage

(602) 771-4293

(520) 628-6663

lepage.tina@azdeq.gov