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**West Central Phoenix (WCP) Water Quality Assurance Revolving Fund (WQARF) Site  
Community Advisory Board (CAB) Meeting**

Tuesday, October 14, 2008  
Starting at 6:00 p.m.  
Arizona Department of Environmental Quality  
1110 W. Washington Street, Room 145  
Phoenix, Arizona 85007

**DRAFT MINUTES**

Ref: OU #09-075

CAB members present: Donn Stoltzfus, Paul Holzer, Michelle Spaulding, and Barbara Keene

ADEQ Staff in attendance: André Chiaradia, Project Manager; Julie Riemenschneider, Remedial Projects Unit Manager; and Delfina Olivarez, Community Involvement Coordinator

Members of the public present: Greg Wallace, Beth Titus, Gail Clemens, and D. Marsh

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

**1. Call to Order/Introductions**

Ms. Olivarez opened the meeting at 6:00 p.m. with greetings and introductions.

**2. Acceptance and/or Changes to June 12, 2007 minutes**

Mr. Stoltzfus asked if anyone had any comments or changes to the minutes of the CAB meeting of June 12, 2007. Ms. Keene moved to accept the minutes as written. This was seconded by Mr. Stoltzfus. All were in favor of passing the minutes as written.

**3. Update on the five WCP sites**

Mr. Chiaradia started the meeting with giving a site history on the WCP WQARF Sites.

**See presentation below**

**4. Discussion and taking comments on Proposed Remedial Objectives Report**

Mr. Chiaradia opened up the comment period and explained that according to statute the report is for the foreseeable usage of the land and water that are impacted by the release of contaminants within one hundred years.

Mr. Marsh asked if the stakeholders are involved throughout the whole process of ADEQ's work. Mr. Chiaradia responded yes - not only the stakeholders but the community in the site area. They are kept updated in many ways with some being CAB meetings, public notices, mailings and phone calls. Mr. Stoltzfus had a comment about the wording of the Remedial Objectives Report. Ms. Riemenschneider asked Mr. Stoltzfus to put his comments in writing and submit them to ADEQ.

#### **5. Distribution of 2008 WQARF Annual Registry Report**

Ms. Olivarez made sure everyone had their copy. She explained that this report gives history and information on each WQARF Site and that it is updated yearly.

#### **6. Call to the Public**

The public was called on, and there were no further questions or comments.

#### **7. Future meeting plans/Agenda discussion**

All agreed to possibly meet after the first of the year.

#### **8. Adjournment**

Ms. Olivarez asked for consensus to adjourn, and all agreed to end the meeting.



# West Central Phoenix Community Advisory Board Meeting

# WCP WQARF SITES UPDATE

*André Chiaradia, Project Manager*  
*October 2008*

## Site History

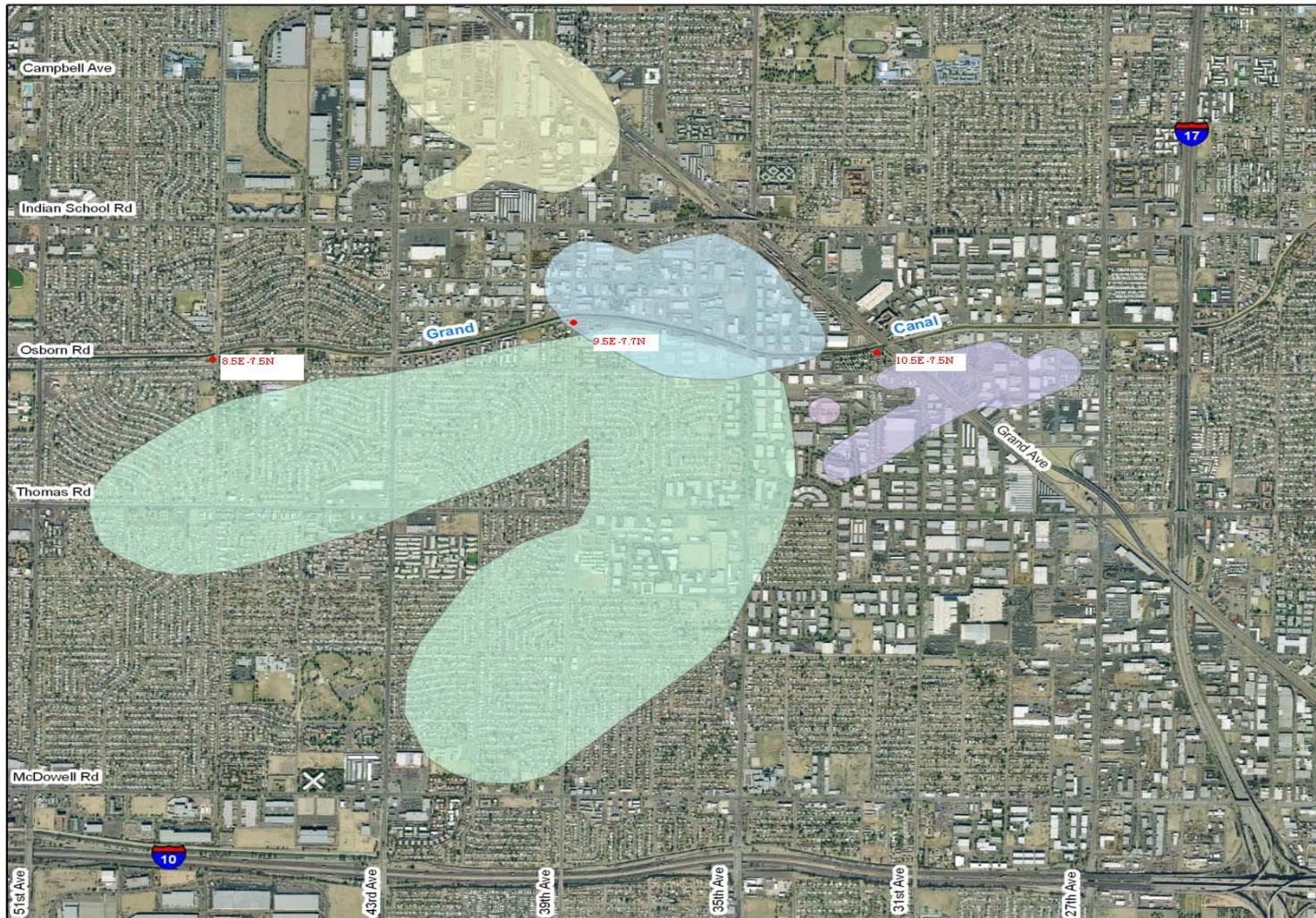
- Volatile organic compounds (VOCs) were first detected in groundwater in the WCP area in July 1982
- The City of Phoenix (COP) detected trichloroethylene (TCE) in four municipal public supply wells, COP #70, #71, #151, and #152
- In 1986 COP Wells #70 and #71 are shut down
- In 1989, COP elected to take Wells #151 and #152 off-line

## Site History

- ADEQ designated the area of groundwater contamination as the West Central Phoenix WQARF site
- The area was placed in the WQARF Priority List in 1987
- In 1998, the five WCP Sites were separated out and entered into the WQARF Registry

# WCP OVERVIEW

West Central Phoenix (WCP) WQARF Sites




**Area Map**



**State of Arizona**



**Legend**

- East Grand Avenue Plume
- North Canal Plume
- North Plume
- West Grand Avenue Plume
- West Grand Avenue Complex Plume

**N**



0.5  
Miles

**Phoenix, Arizona  
November, 2006**

**WASTE PROGRAMS DIVISION  
GIS and Data Management Unit**

Map produced by Arizona Department of Environmental Quality, Arizona Land Resources Information System, Arizona Department of Transportation, Image, Maricopa County 2004  
Projection: UTM, Nad 83, Meters

D:\Waste\work\pdr\remedial\_projects\supersfund\Phoenix\2006\WCP-Project\061  
WCP Project\06B.mxd

Data Sources: Arizona Department of Environmental Quality, Arizona Land Resources Information System, Arizona Department of Transportation, Image, Maricopa County 2004  
Projection: UTM, Nad 83, Meters

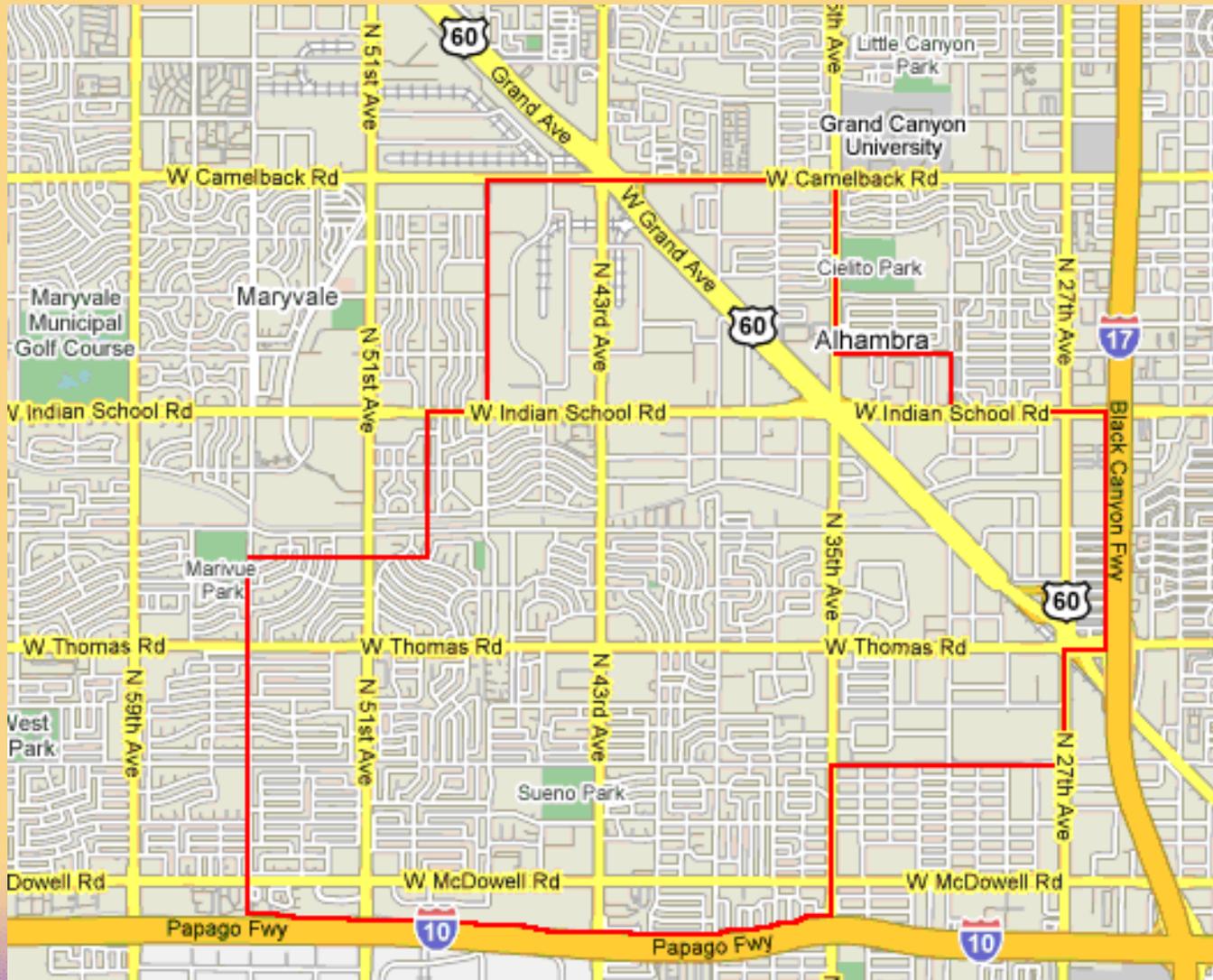
"Site boundaries depicted on the site map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of map production. The actual extent of contamination may be different. Therefore, the geographic boundaries for this site may change in the future as new information becomes available."

● SRP Wells in WCP Project Area

## Site Boundaries

Site	North	South	East	West
WCP CIA	Camelback Road	Route 1-10	Route I-17	N 55th Avenue
EGA	Whitton Avenue	Thomas Road	N 27th Avenue	N 33rd Avenue
NC	Indian School Road	Grand Canal	N 34th Avenue	N 43rd Avenue
NP	Camelback Road	Indian School Road	N 39th Avenue	N 44th Avenue
WOC	Grand Canal	Route I-10	N 34th Avenue	N 55th Avenue
WGA	Grand Canal	West Earl Drive	N 34th Avenue	N 35th Avenue

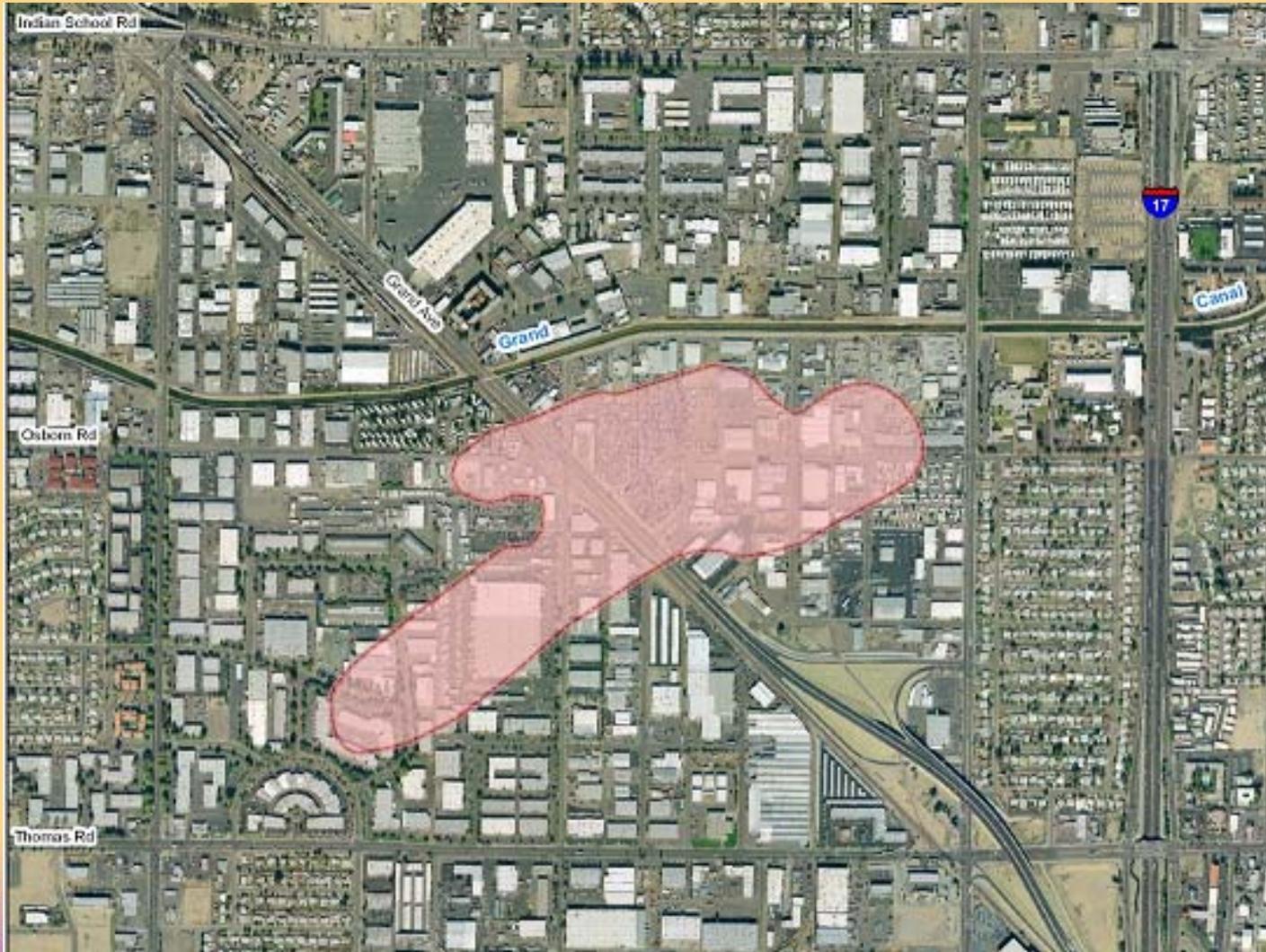
# WCP OVERVIEW

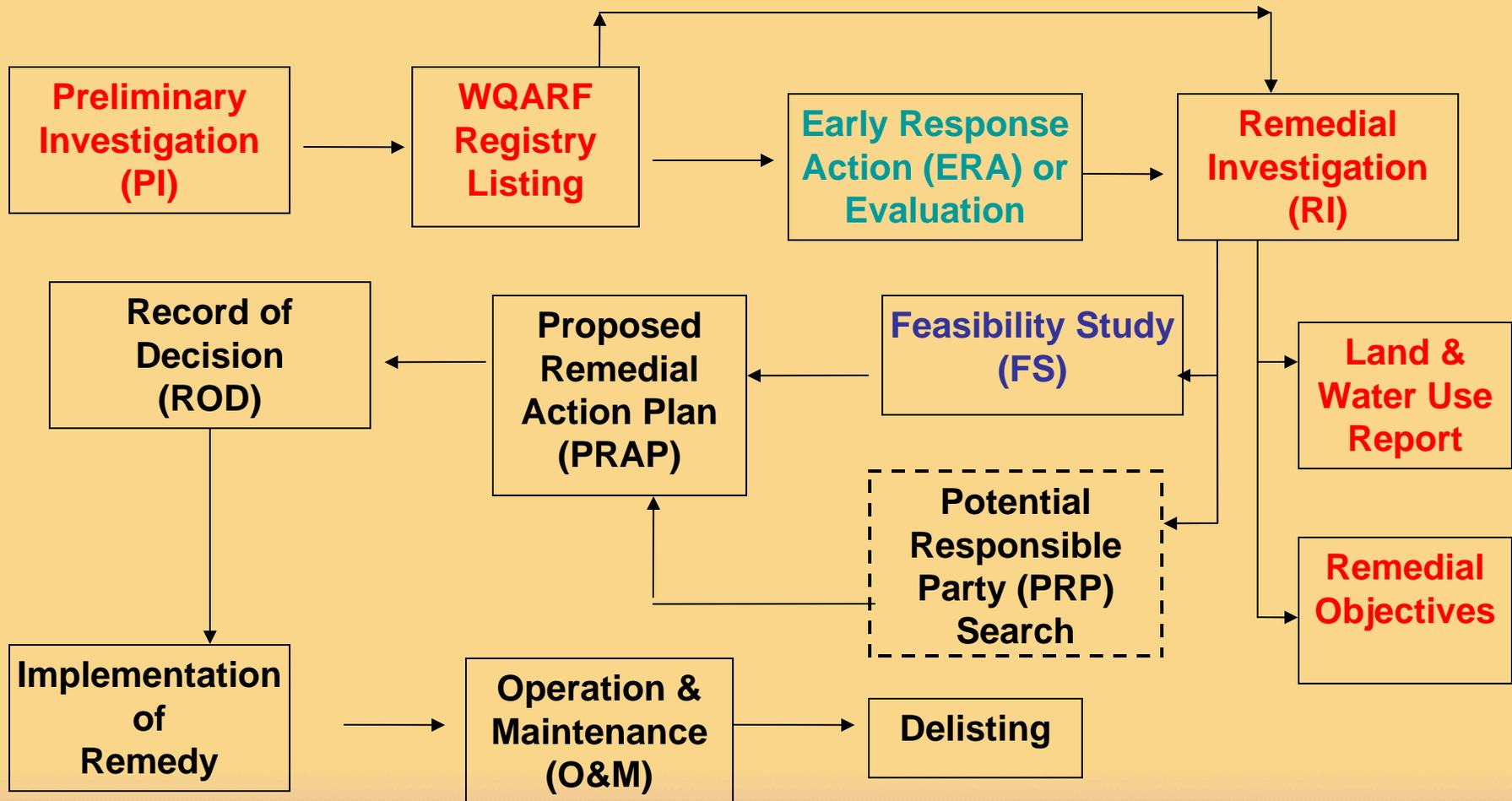


- VW&R operated at the facility from 1957 to 1970
- Operations included warehousing and distribution of industrial and agricultural chemical products
- A source area appears to be located around the former facility building
- Potential sources are rinsate generated during the cleaning of the transfer hoses that was routinely poured onto asphalt



# East Grand Ave







# East Grand Ave

East Grand Avenue two additional wells  
were added to the SVET system



## Project Status (Working Party)

- Semi Annual Monitoring
- Draft FS Plan in Process
- Continue Operation of SVE Treatment System
- Relocate Well

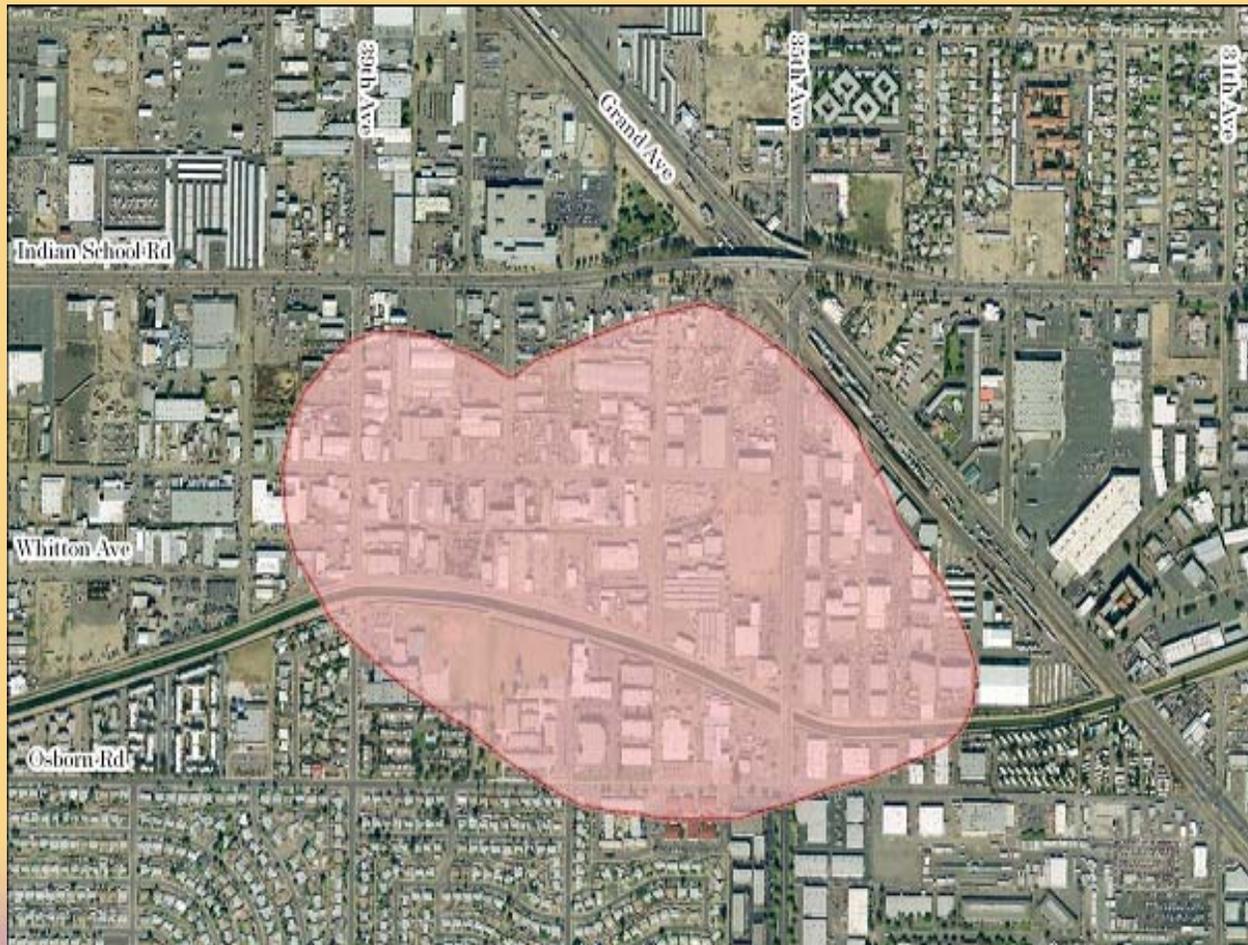
Facilities that have been identified as potential sources of the groundwater contamination are:

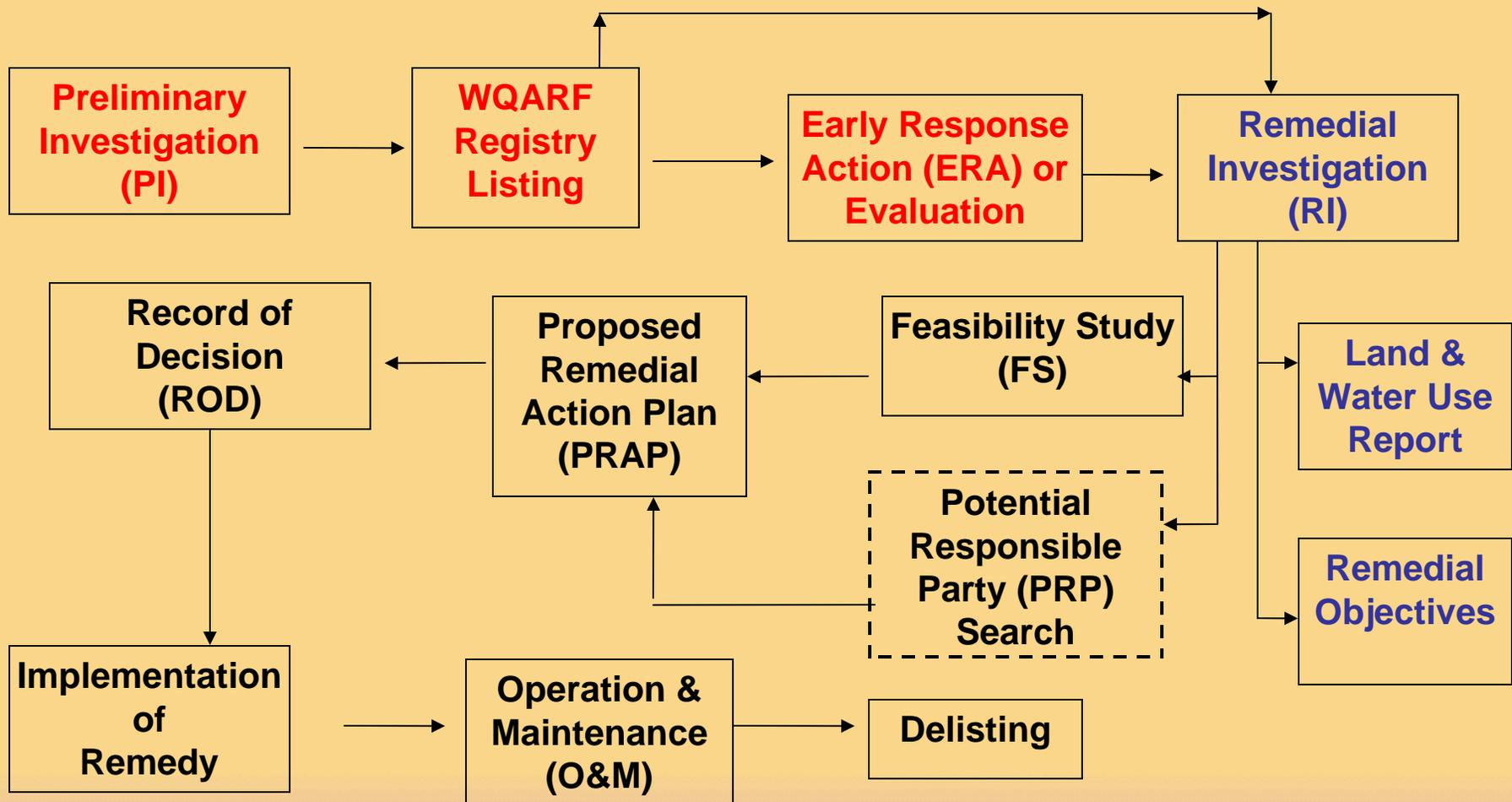
- The former Osborn Products
- The former Magic Metals
- The former Southwest Metals
- Precise Metal Products/Paraflex Tool & Machine

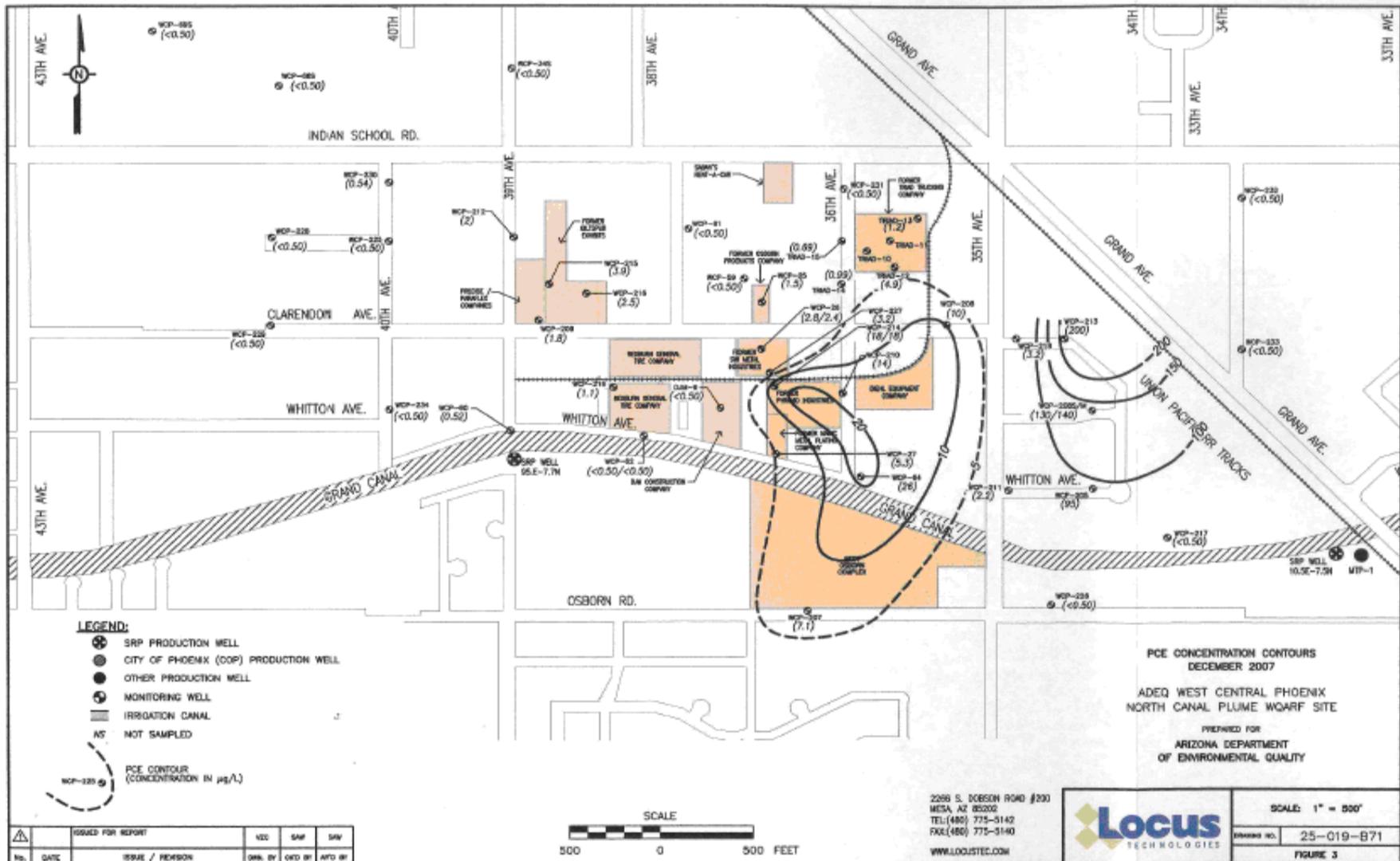
Other facilities are currently being investigated as potential sources of groundwater contamination at the Site

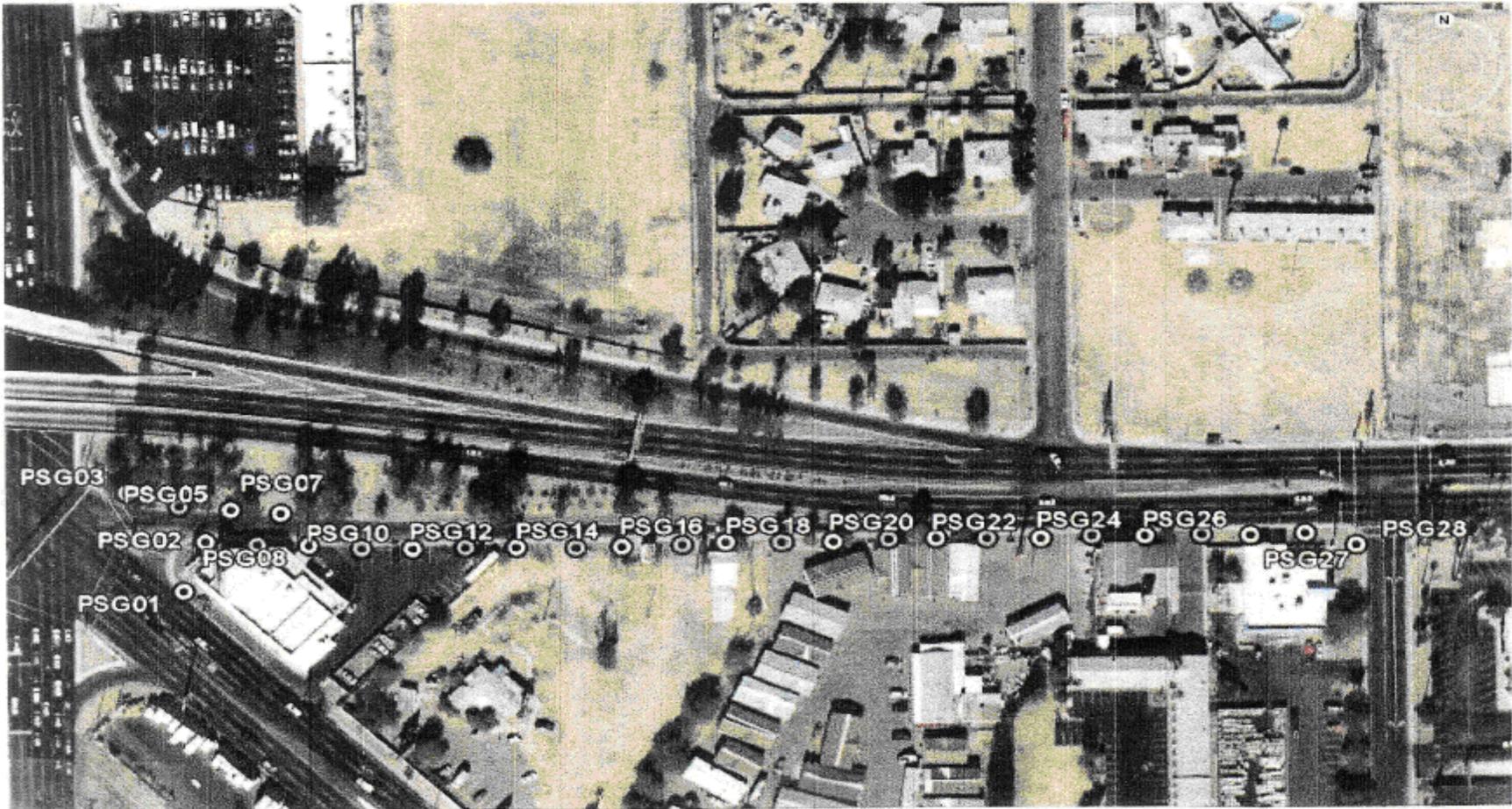


## Projected Extent of Plume









Passive Soil-Gas Sample Locations  
ADEQ West Central Phoenix North Canal Plume WQARF Site  
East Plume Area - Indian School Road



## Soil Gas Survey



- Sample Points Are Spaced Across the Investigative Area.
- A Hole is Drilled Through the Pavement



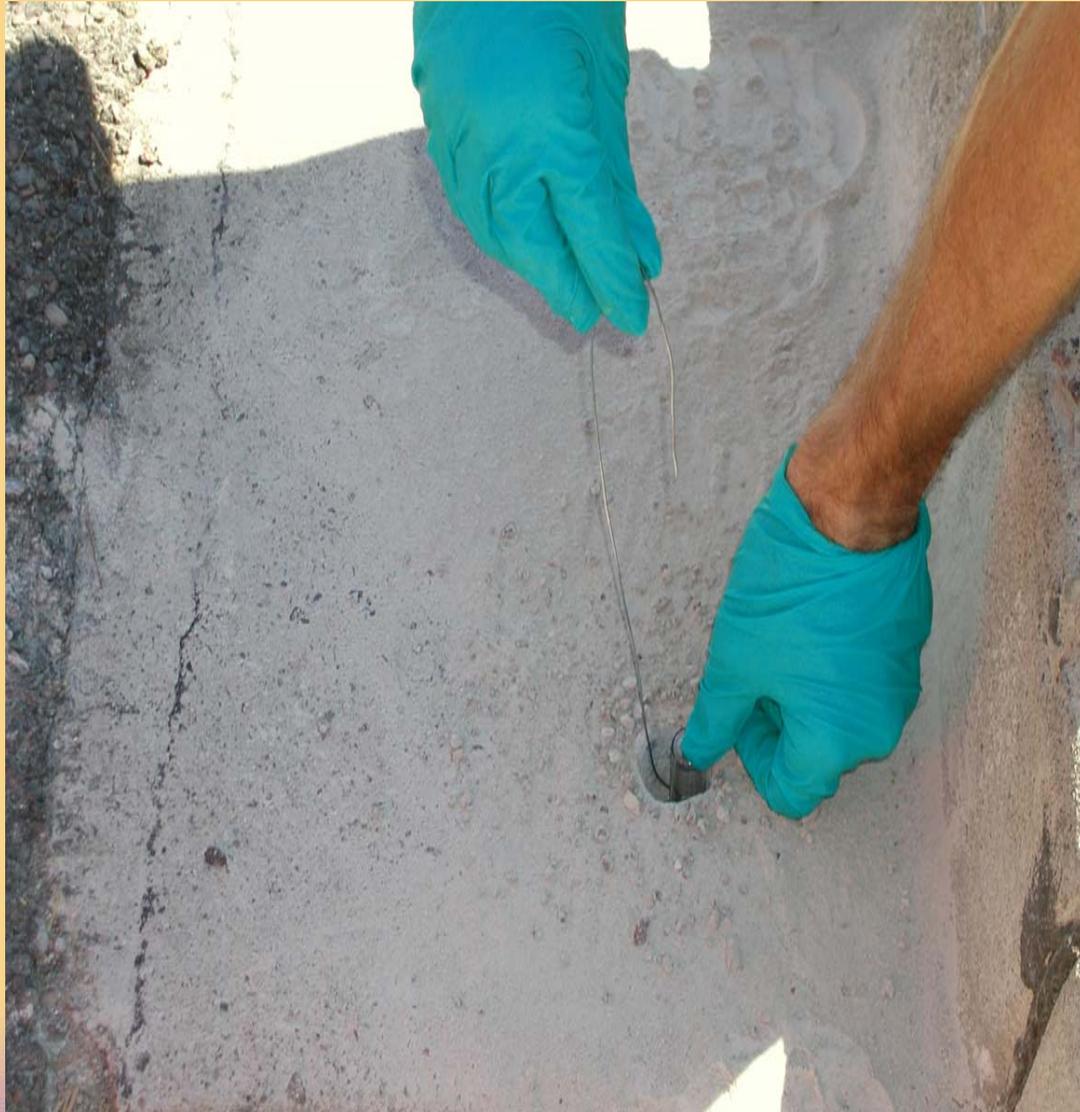
# Site Update



- A Pilot Hole is Extended Down 1 Meter



# Site Update



- The Sample Tube is Placed in the Drilled Hole Attached to a Retrieval Wire



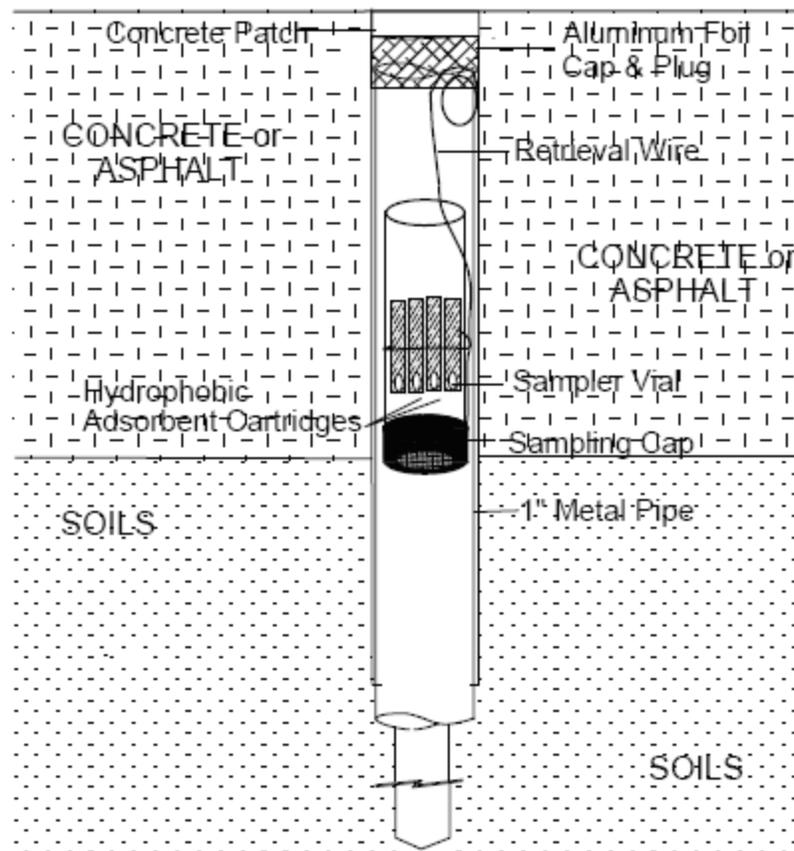
# Site Update

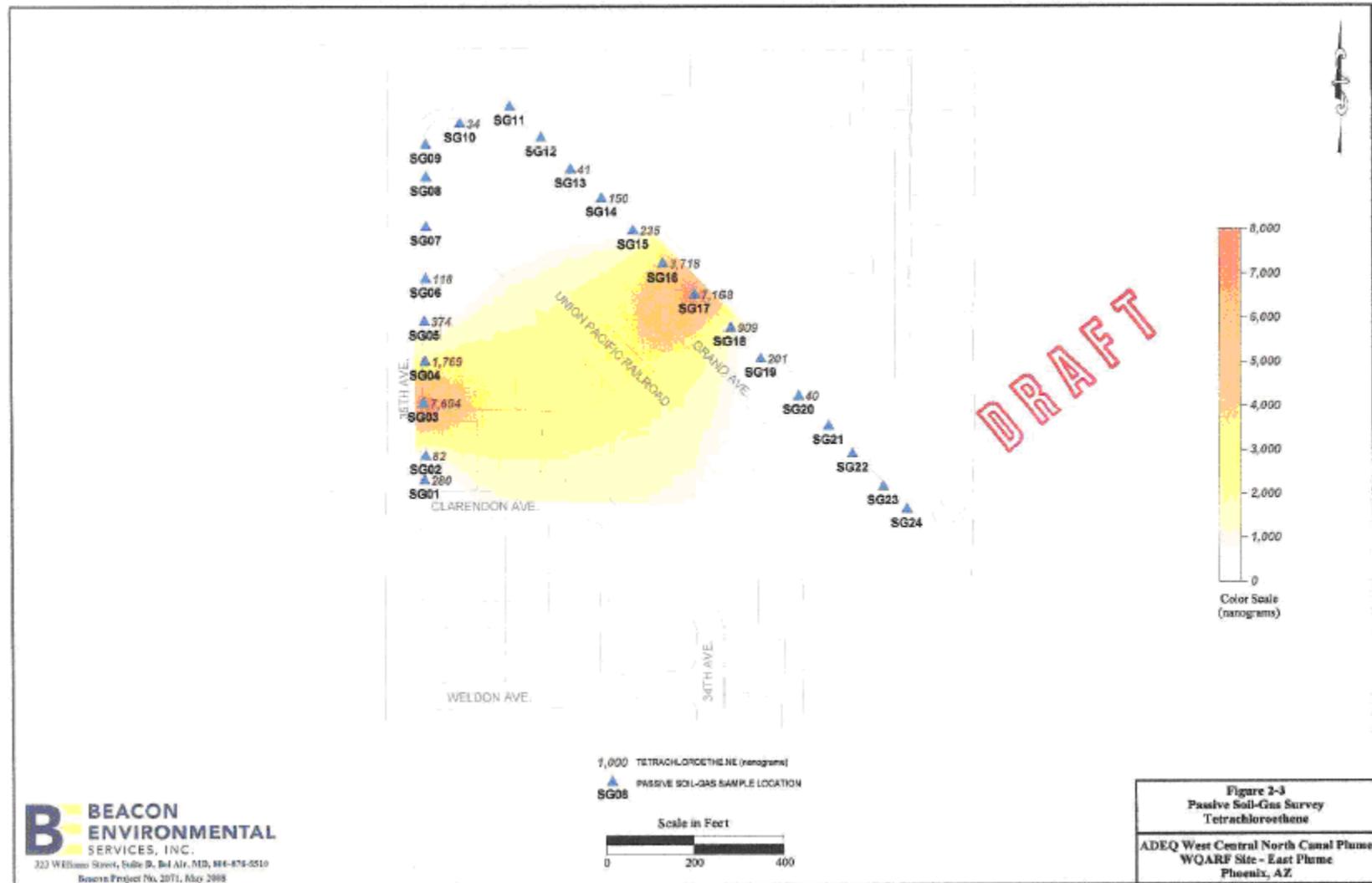


- Aluminum Foil is Placed over the Hole Which is then Covered with a Cement Plug



## DEPLOYMENT THROUGH AN ASPHALT/CONCRETE CAP





## Project Status (ADEQ LEAD)

- Continue Quarterly Sampling
- Evaluate Soil Gas Survey
- Place New Monitoring Well
- Complete Land and Water Use Report
- Complete Draft RI

Four facilities have been identified as potential sources of the groundwater at the North Plume Site.

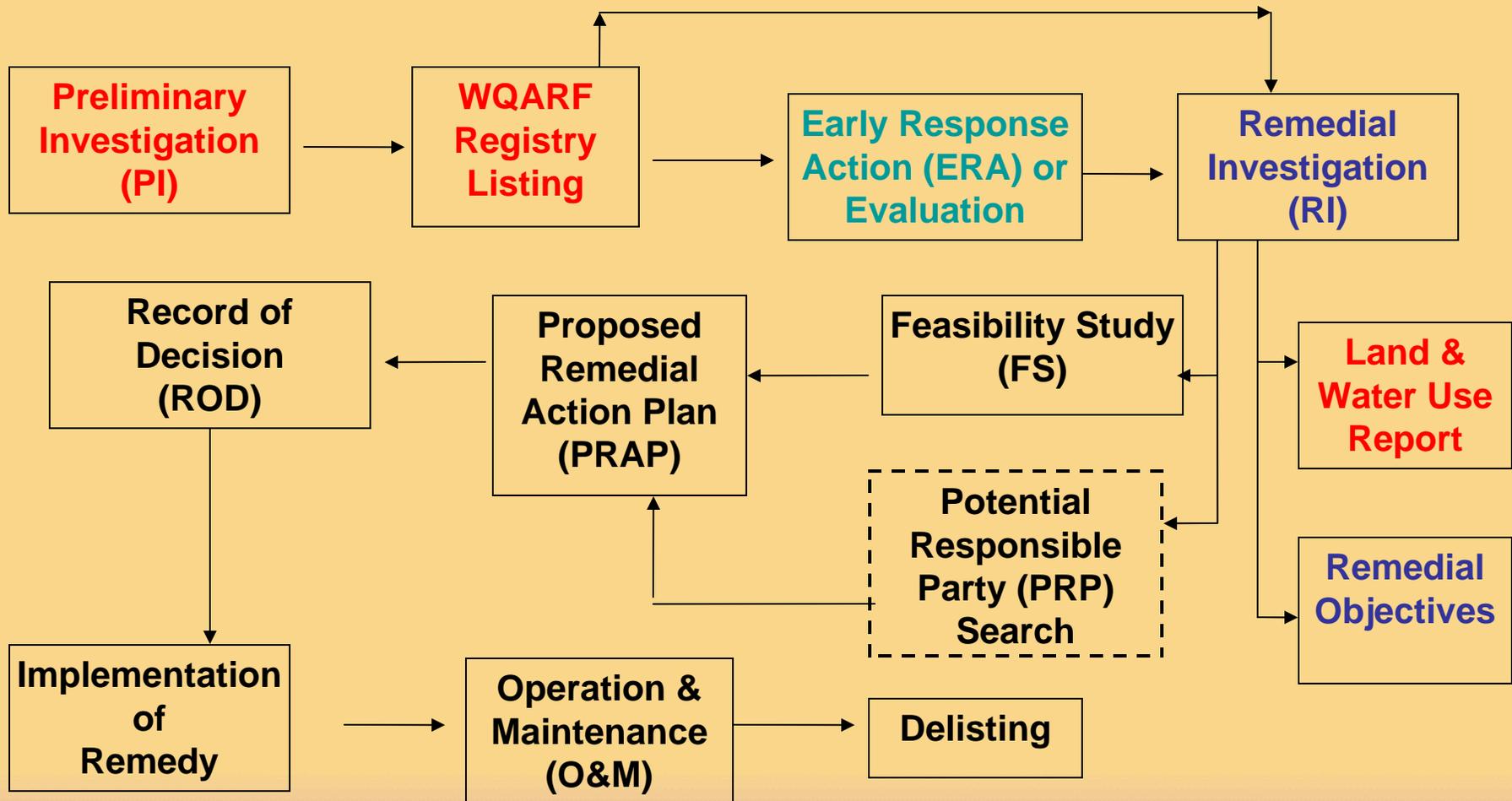
The four facilities are as follows:

- The F&B Mfg. Co. (F&B)
- The former Pyramid Industries
- The former Rinchem facility
- The Hill Brothers facility



# North Plume





Three new wells have been installed in the project area in the past year:

- One as part of a public benefit from a PPA
- Two in the neighboring property to the F&B Mfg. Co. as part of an aquifer test
- The Hill Brothers Chemical Co. has initiated operation of a Soil Vapor Extraction Treatment System



## Drilling Wells





## Monitoring Flow Rate and Water Level





## Holding Tanks for Aquifer Test





## SVET System F&B

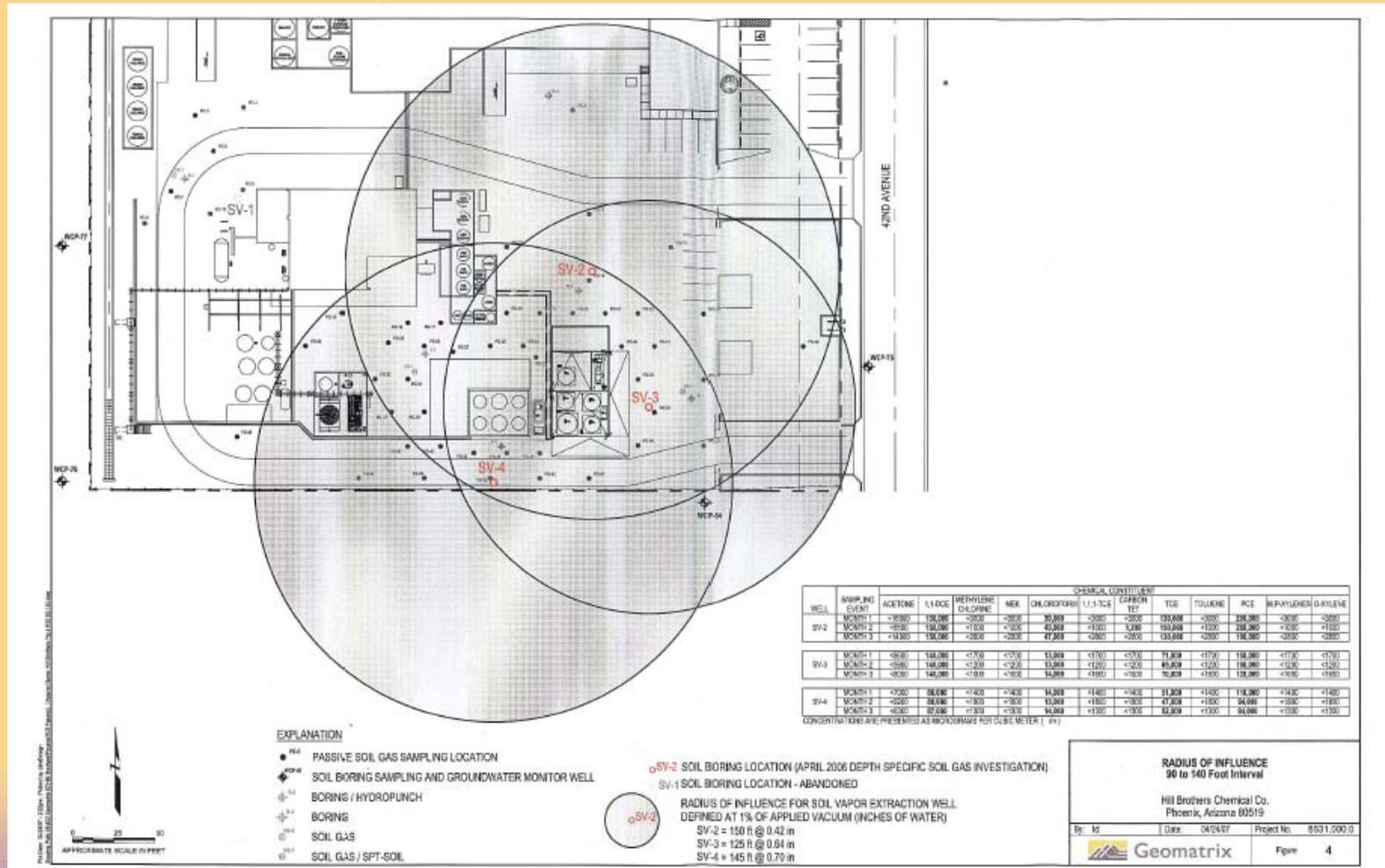




## SVET System Hill Brothers



## Radius of Influence for Extraction Wells



## Project Status (ADEQ LEAD)

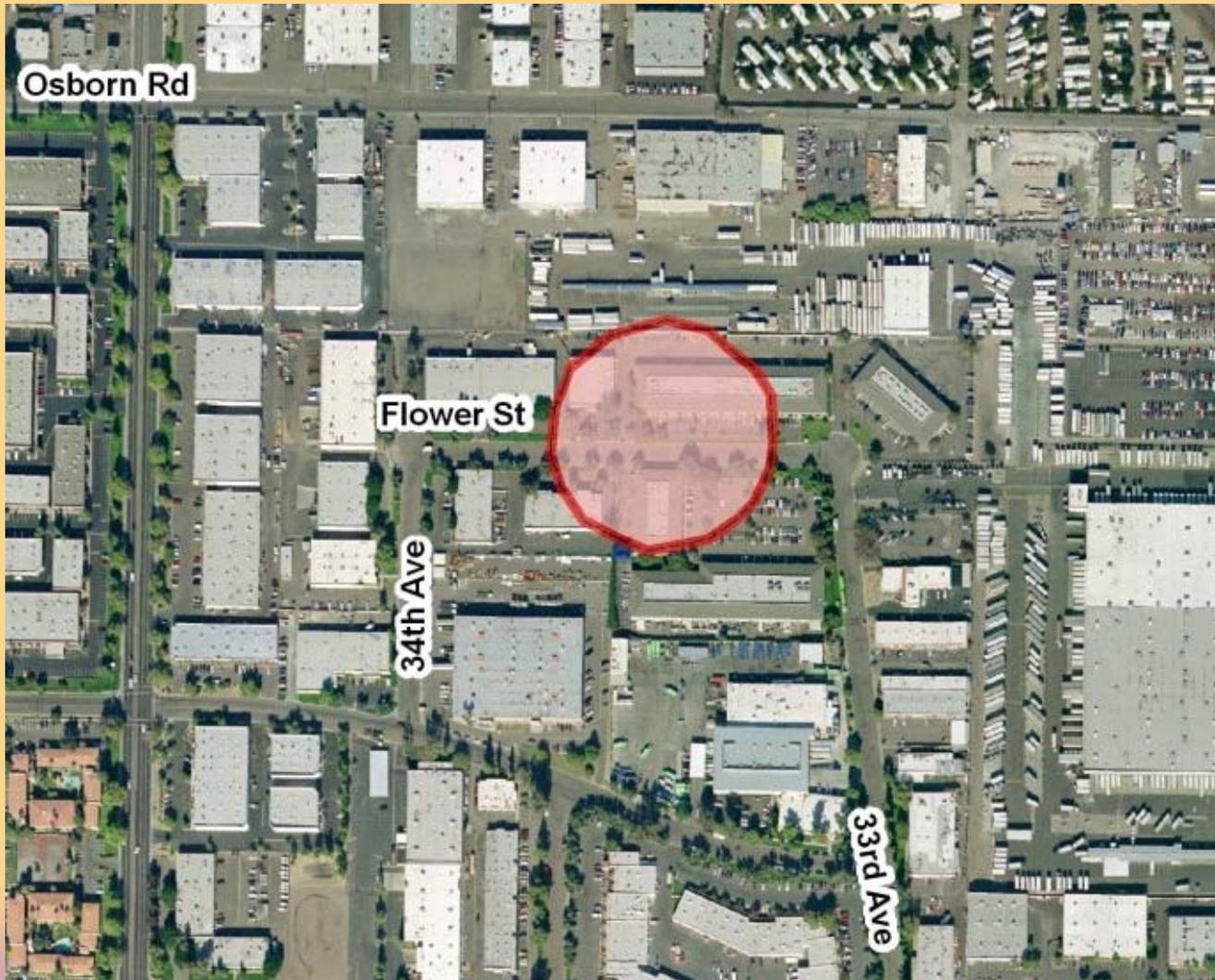
- Evaluate Aquifer Test for possible Pump and Treat System for groundwater
- Continue operation of SVE Treatment System at F&B
- Continue operation of SVE Treatment System at HBCC (Working Party)
- Quarterly Monitoring
- Complete ROs
- Complete RI

# West Grand Avenue

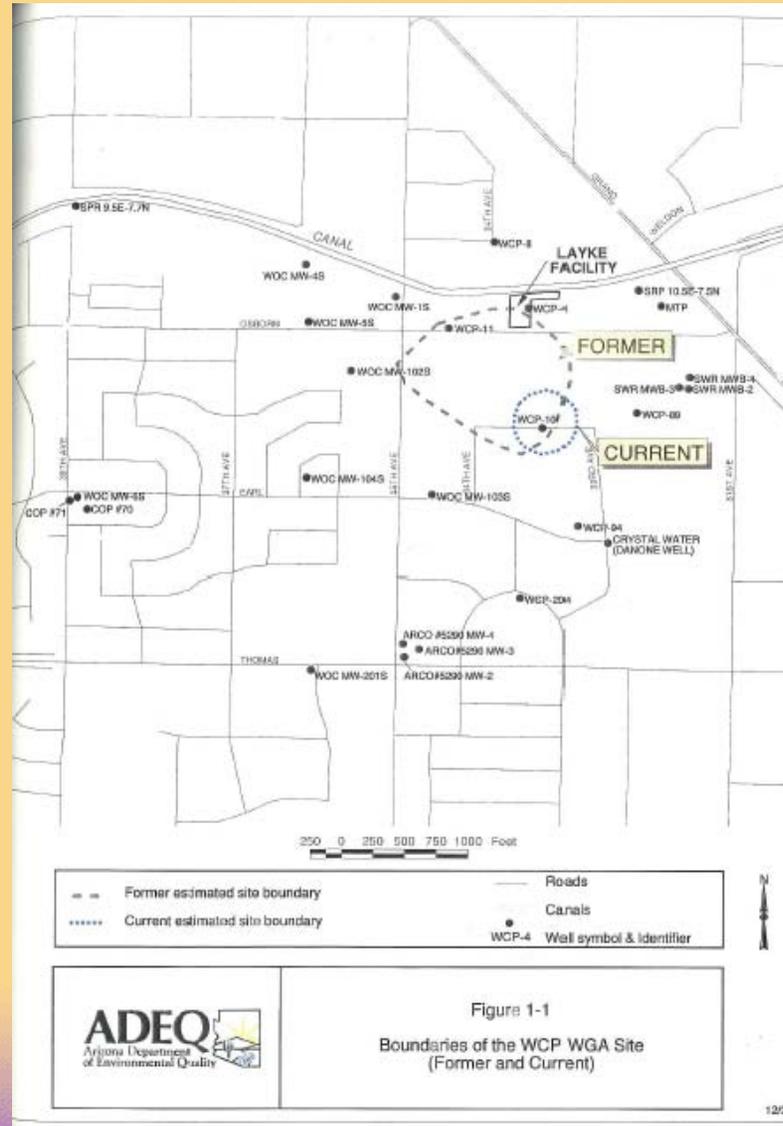
- Soil remediation was conducted at the Layke facility
- A no further action (NFA) determination at the facility was granted in December 2002. The NFA was for soil beneath the facility.
- In February 2004, ADEQ issued the draft Remedial Investigation (RI) Report
- In October 2005, the Remedial Objectives (ROs) for the site were issued

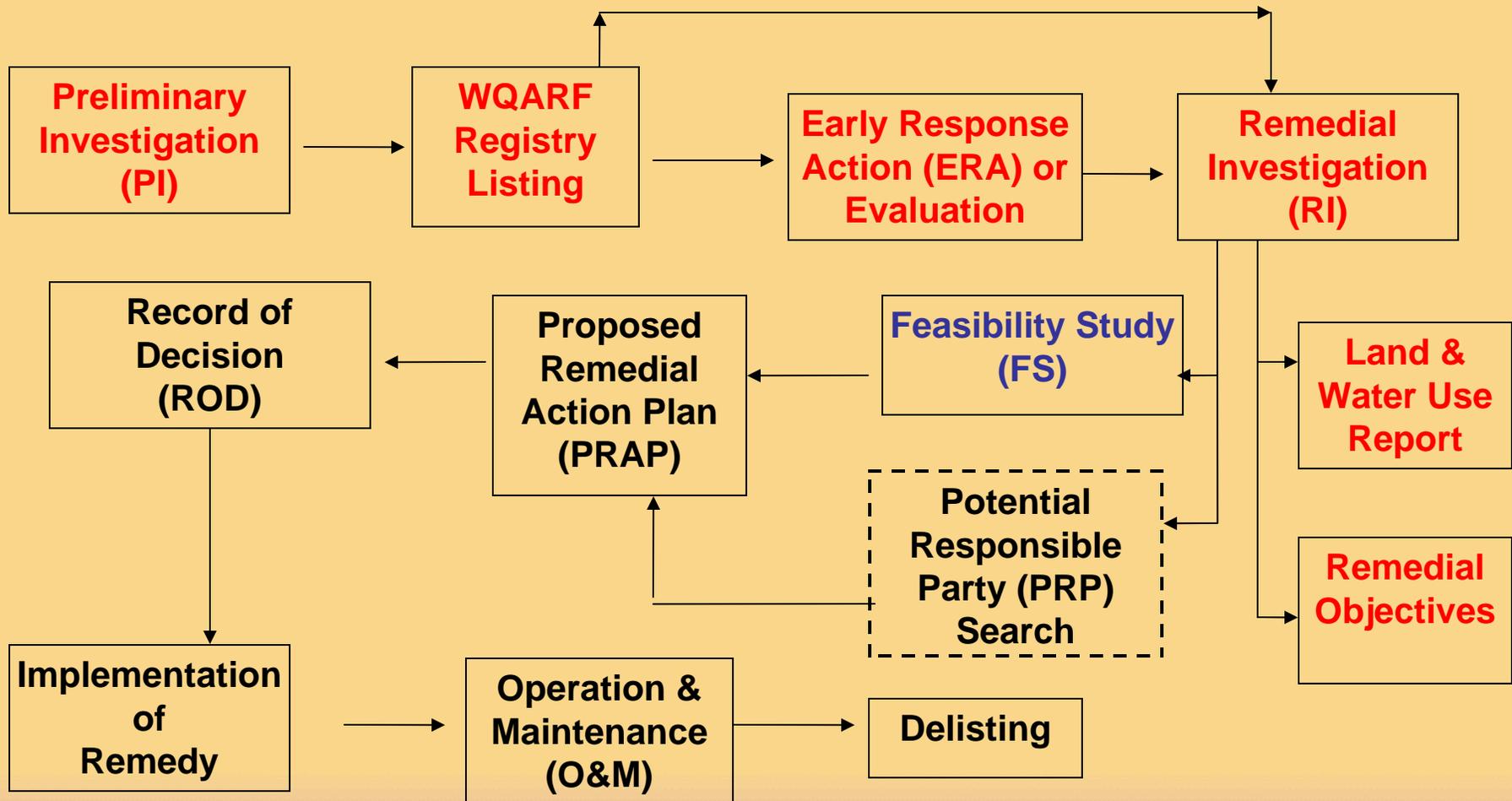


# West Grand Avenue



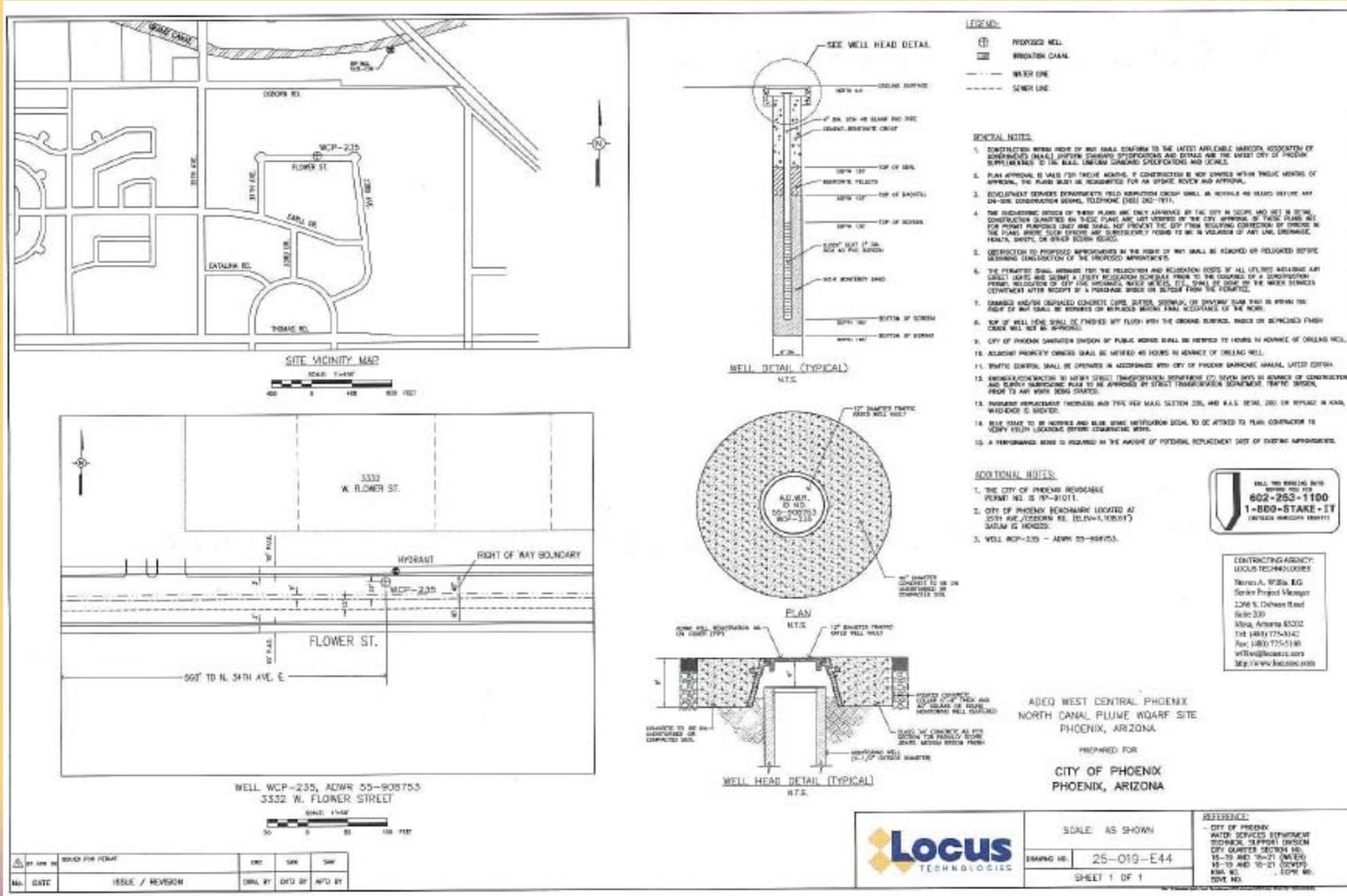
# West Grand Avenue





# West Grand Avenue

## New Well



## Project Status (ADEQ LEAD)

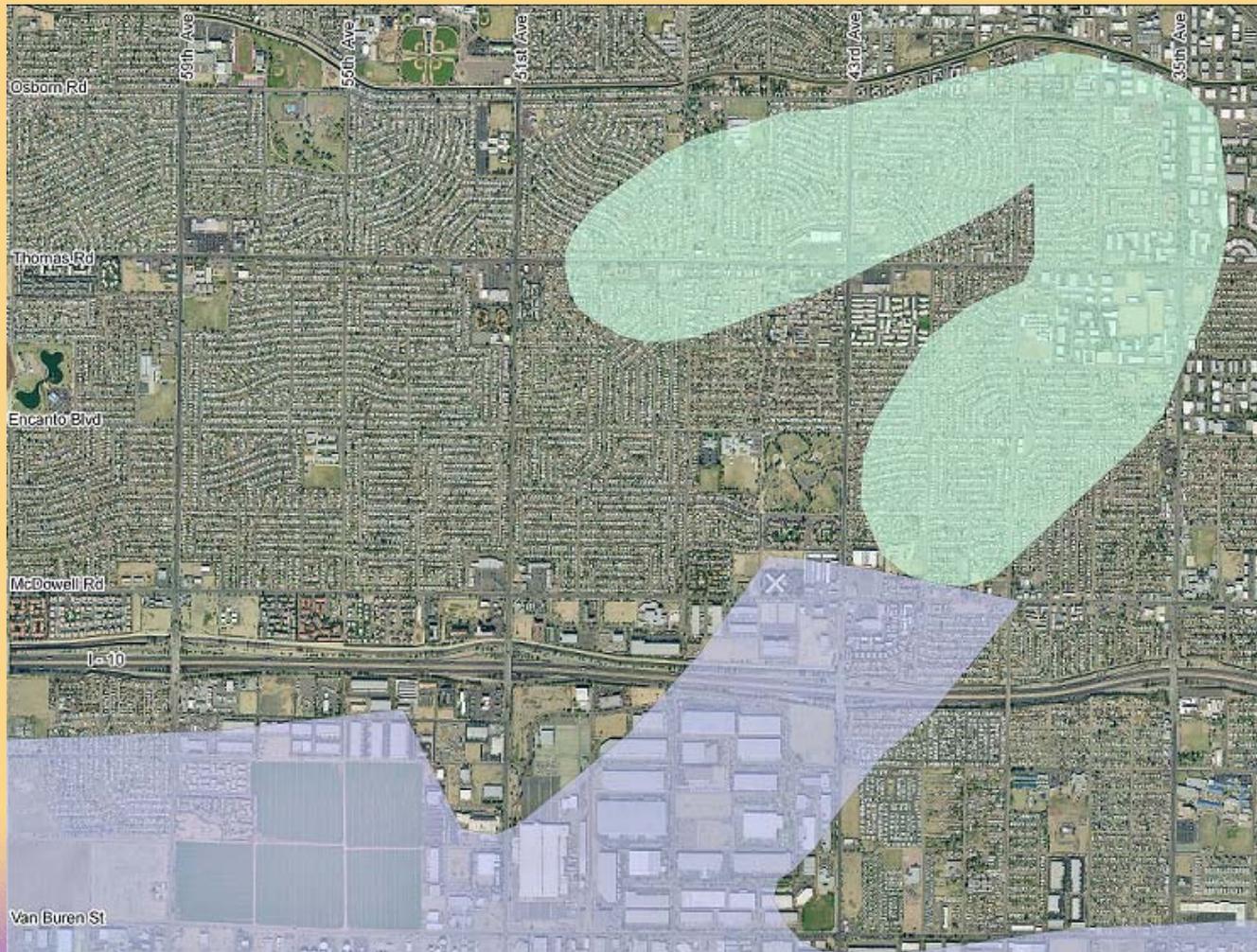
- Obtain contract to perform semi annual monitoring
- Complete FS and initiate PRAP process

# West Osborn Complex

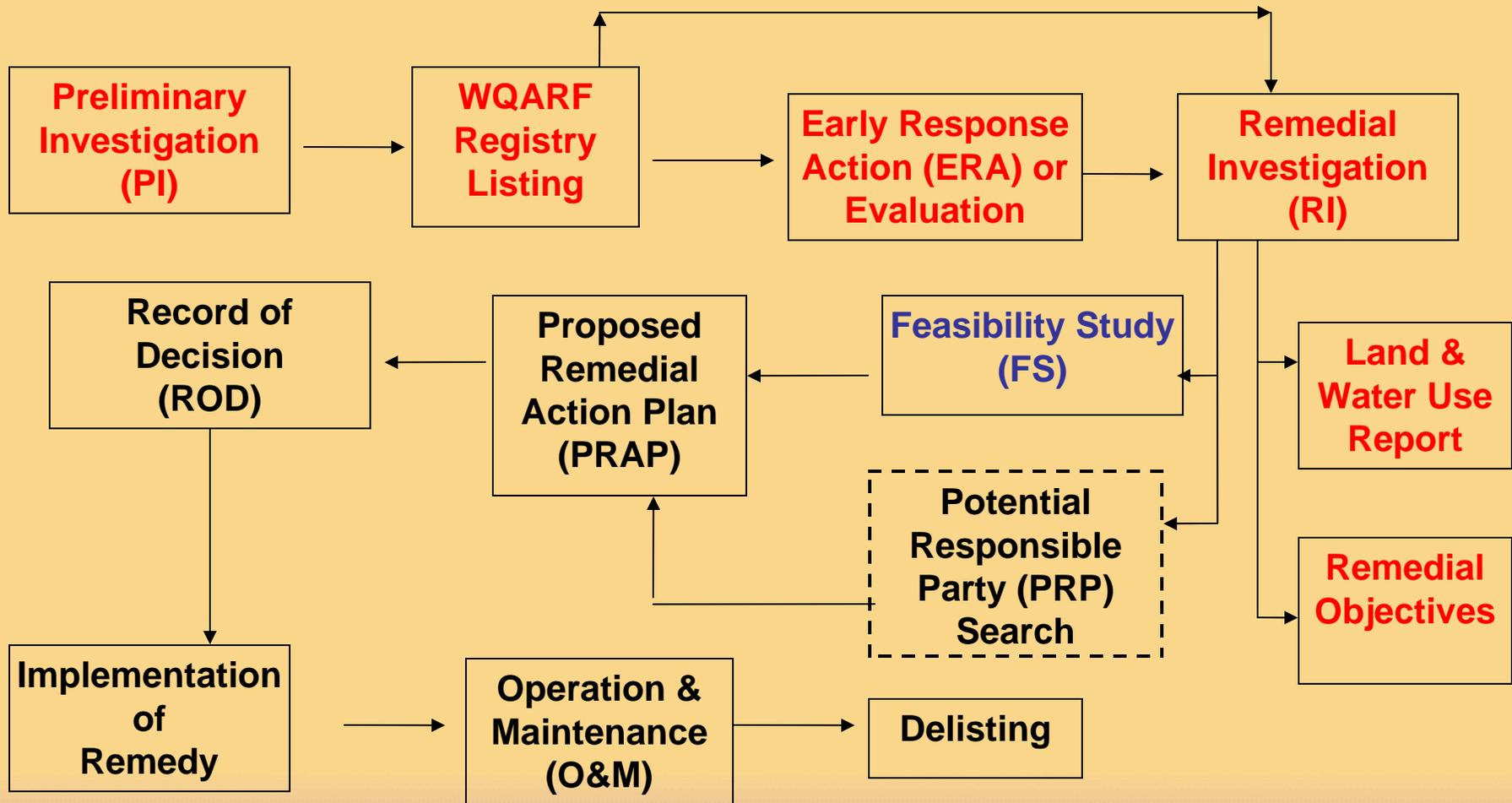
- The WOC consists of about 15 acres that is presently subdivided into three parcels
- Beginning in 1957 the WOC was used by different owners to manufacture electronic components. When the WOC was first operated wastewater disposal consisted of septic tanks and seepage pits
- An irrigation Well was identified as a conduit to the deeper contamination found at the site



# West Osborn Complex



# West Osborn Complex

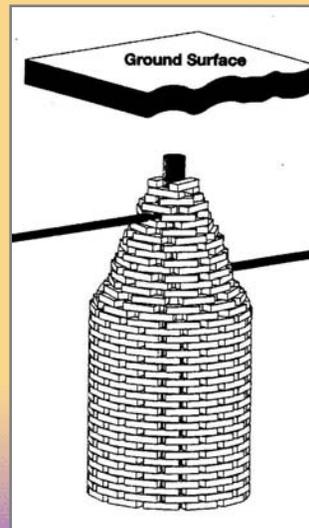




# West Osborn Complex



Seventeen  
seepage pits  
were located  
throughout  
the facility



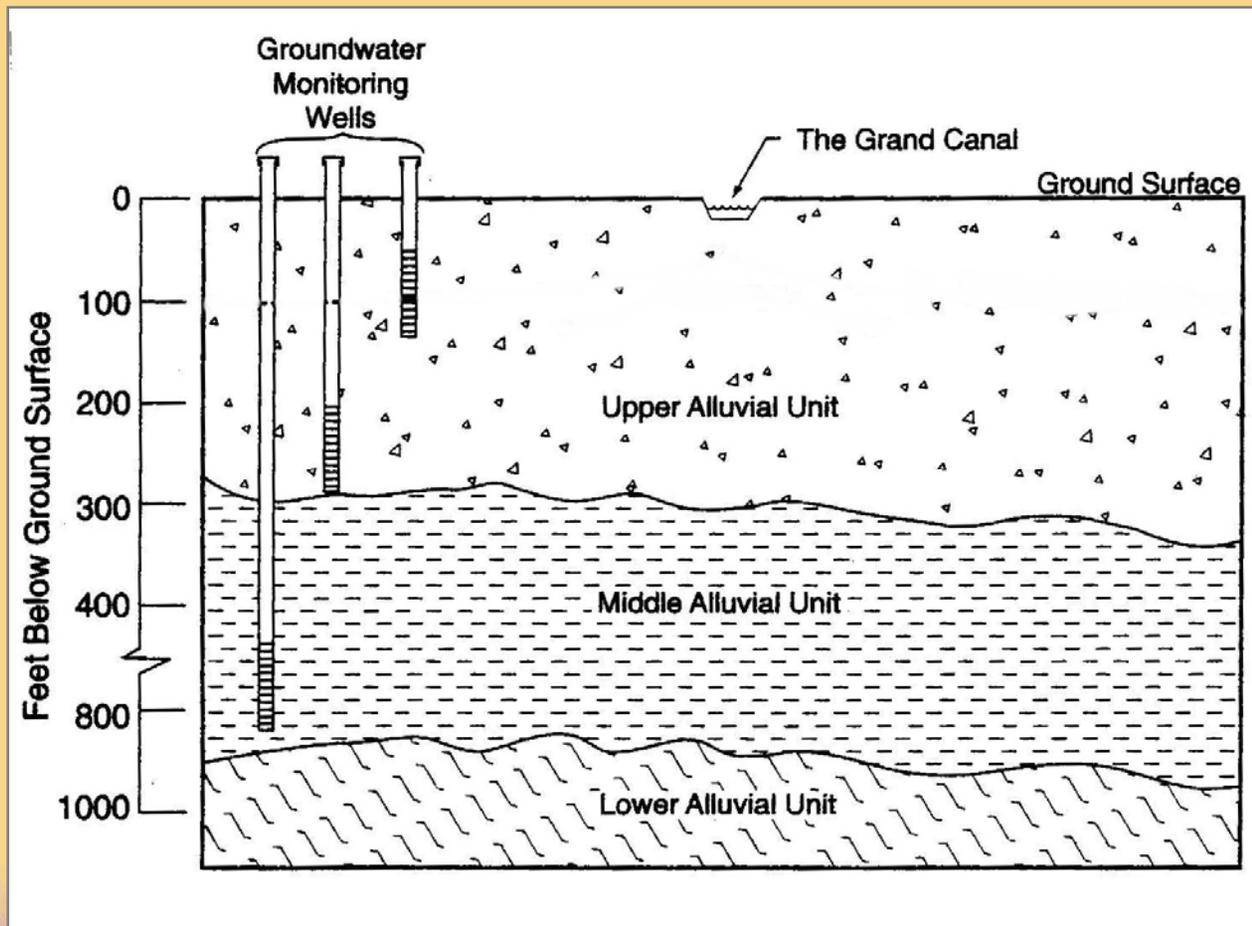
Five septic tanks  
were also found

## Project Status (Working Party)

- Semi-Annual Monitoring continues
- Draft FS for Deep Plume has been completed
- Draft FS for Shallow Plume is Pending
- ADEQ and UIC continue to examine possible Early Response Actions



# West Central Phoenix



## Typical Well Depths

Shallow:  
90 - 200 feet

Middle:  
250 - 290 feet

Deep:  
650 - 800 feet



?? QUESTIONS ??

