

# WEST CENTRAL PHOENIX WEST GRAND AVENUE SITE DRAFT REMEDIAL INVESTIGATION REPORT

## LIST OF FIGURES

Figure 1-1	Boundaries of the WCP WGA Site (Former and Current)
Figure 1-2	Layke Facility Diagram
Figure 2-1	1989 EPA PA/SI Investigation
Figure 2-2	1990 Phase I Testing
Figure 2-3	1991 Phase II Testing
Figure 2-4	Locations of Wells WCP-4, WCP-8, WCP-10 & WCP-11
Figure 2-5	Locations of the WCP WOC and WCP WGA Sites
Figure 2-6	2001-2002 Layke Facility NFA Soil & Soil-Gas Investigation
Figure 3-1	Schematic for Soil Vapor Extraction Wells at the Layke Facility
Figure 3-2	Soil Vapor Extraction System Schematic at the Layke Facility
Figure 4-1	Line of Section at the Layke Facility
Figure 4-2	Cross Section A-A' at the Layke Facility
Figure 4-3	Hydrograph (April 1999 through June 2003), WCP-4, WCP-8, WCP-10, WCP-11 & WOC MW-103S
Figure 4-4	April 1999 Groundwater Elevations at the WCP WGA Site
Figure 4-5	September 2000 Groundwater Elevations at the WCP WGA Site
Figure 4-6	December 2001 Groundwater Elevations at the WCP WGA Site
Figure 5-1	Previous Extent of Soil Contamination at the Layke Facility Former UST Basin
Figure 5-2	Cross Section Depicting Potential Release Pathways at the Layke Facility
Figure 5-3	TCE Concentration Contour Map, February 1996
Figure 5-4	TCE Concentration Contour Map, February 1997
Figure 5-5	TCE Concentration Contour Map, February 1999



GRAND CANAL

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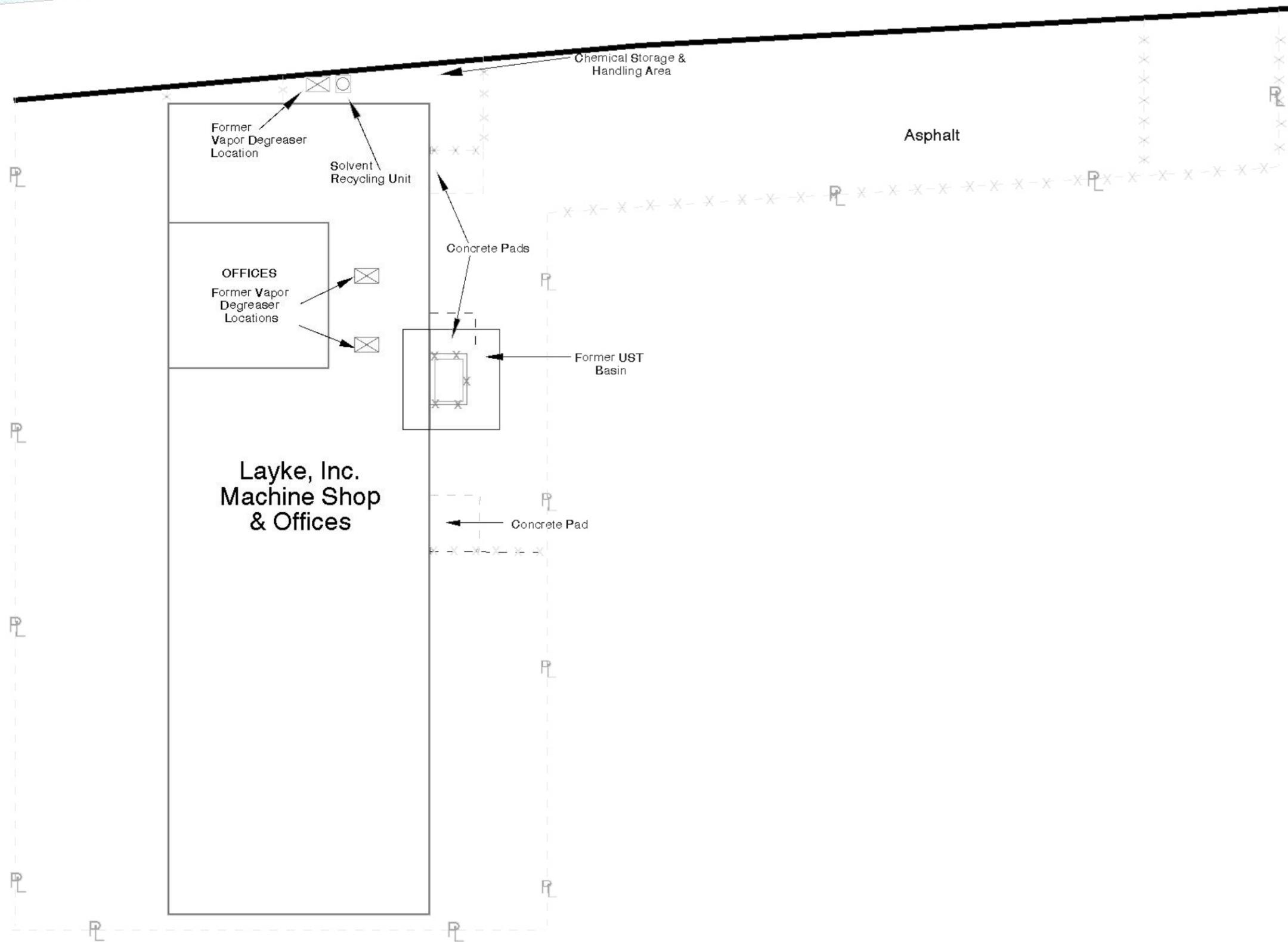
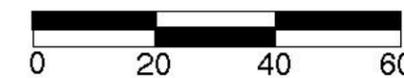


Figure 1-2  
Layke Facility Diagram

- P - - - - - Approx. Property Boundary
- X - - - - - Chain Link Fence
- Block Wall
- ⊠ Vapor Degreaser
- ⊙ Solvent Recycling Unit



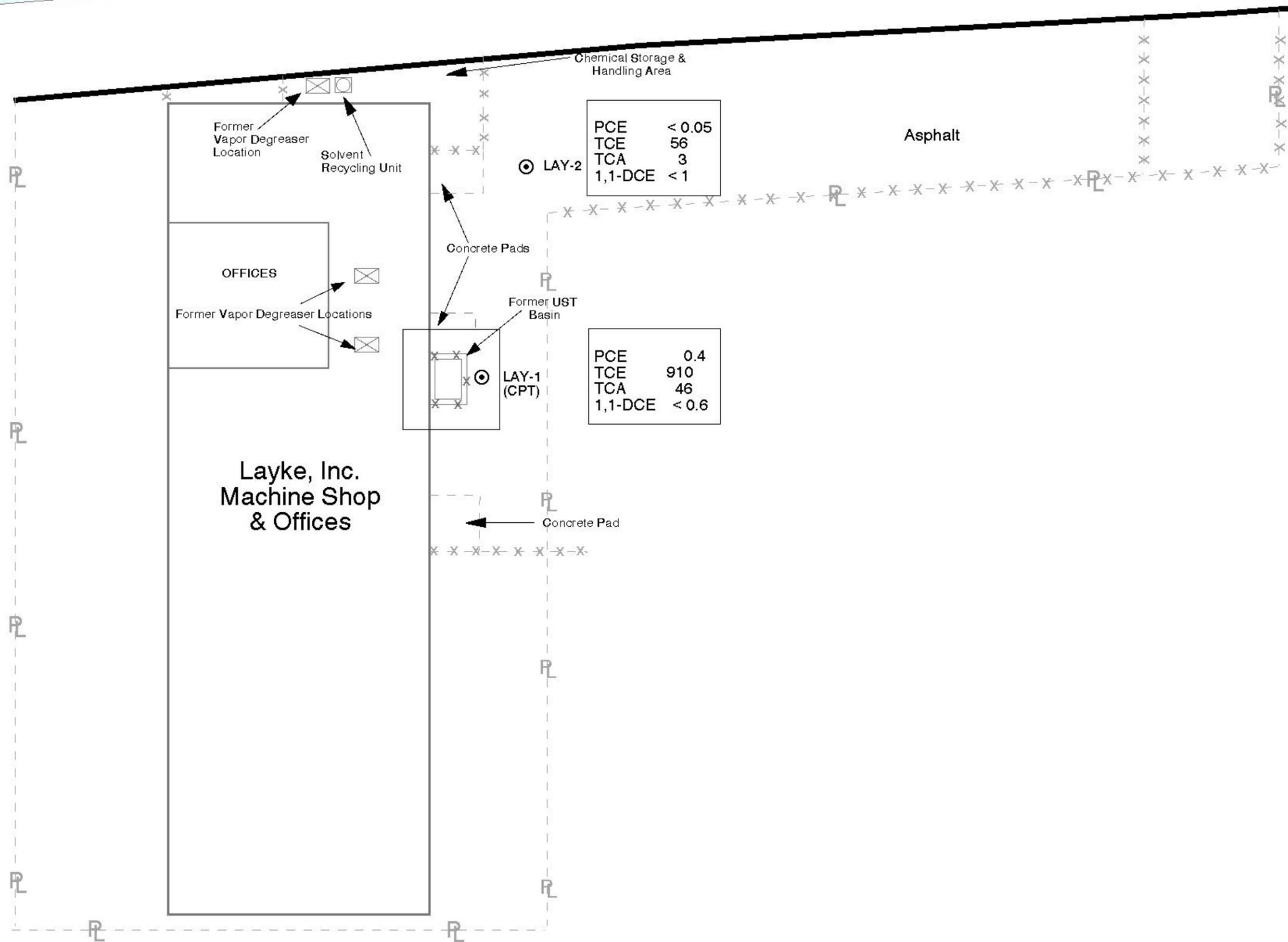
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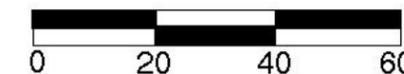


Figure 2-1  
1989 EPA PA/SI  
Investigation



- RL - - - - - Approx. Property Boundary
- X - - - - - Chain Link Fence
- Block Wall
- ⊠ Vapor Degreaser
- ⊡ Solvent Recycling Unit
- ⊙ LAY-2 Soil-Gas Sample Location (SI, 1989)
- CPT Cone Penetrometer Test Location

Note: Concentrations of VOCs in soil-gas are reported in µg/L.



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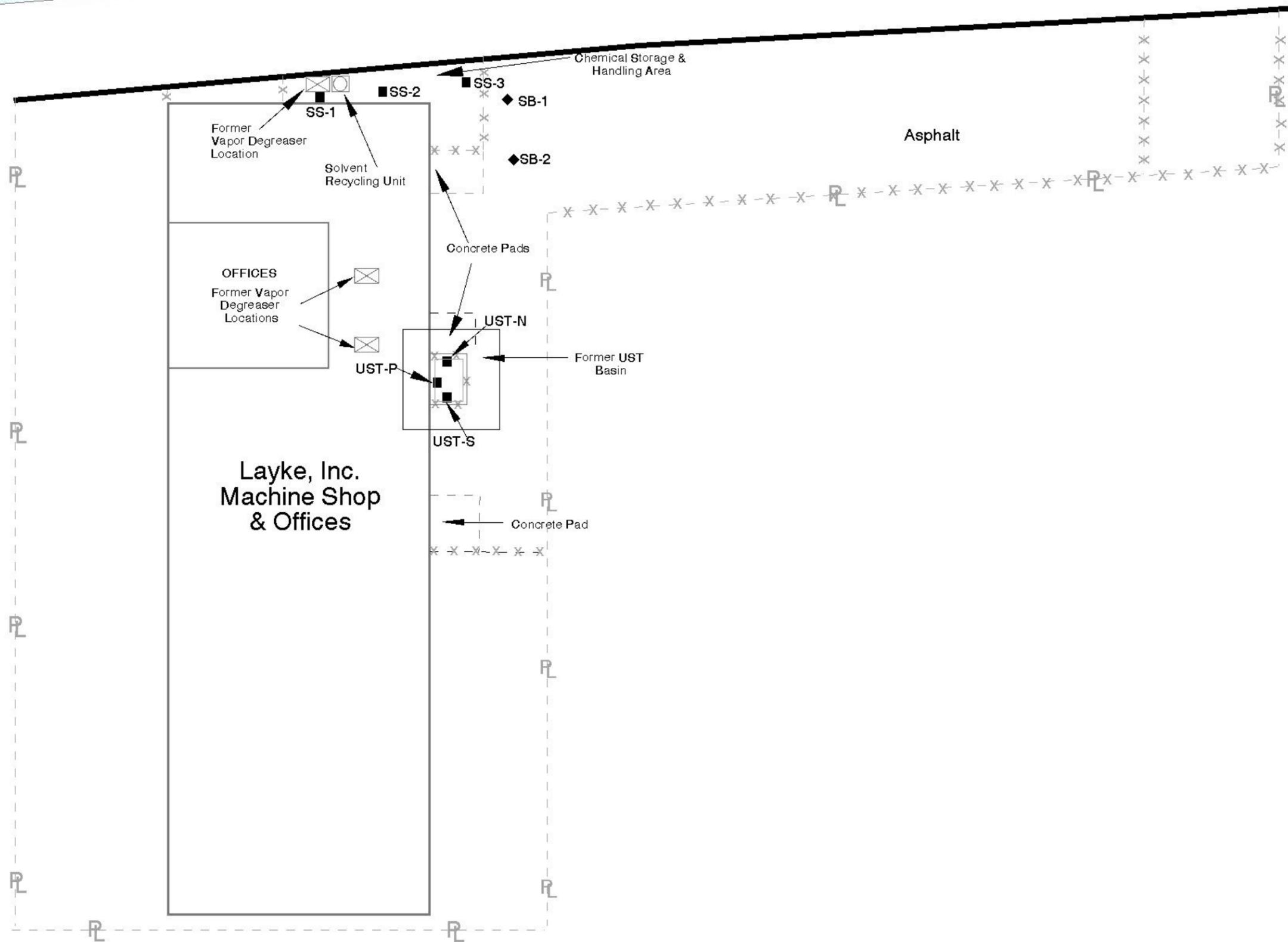
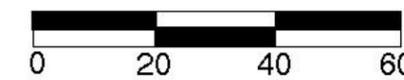


Figure 2-2  
1990 Phase I Testing

- P - - - - - Approx. Property Boundary
- X - - - - - Chain Link Fence
- Block Wall
- ⊠ Vapor Degreaser
- ⊠ Solvent Recycling Unit
- SS-1 Soil Sample Location from Excavation or Hand Auger (Phase I, 1990)
- ◆ SB-1 Soil Boring Location (Phase I, 1990)



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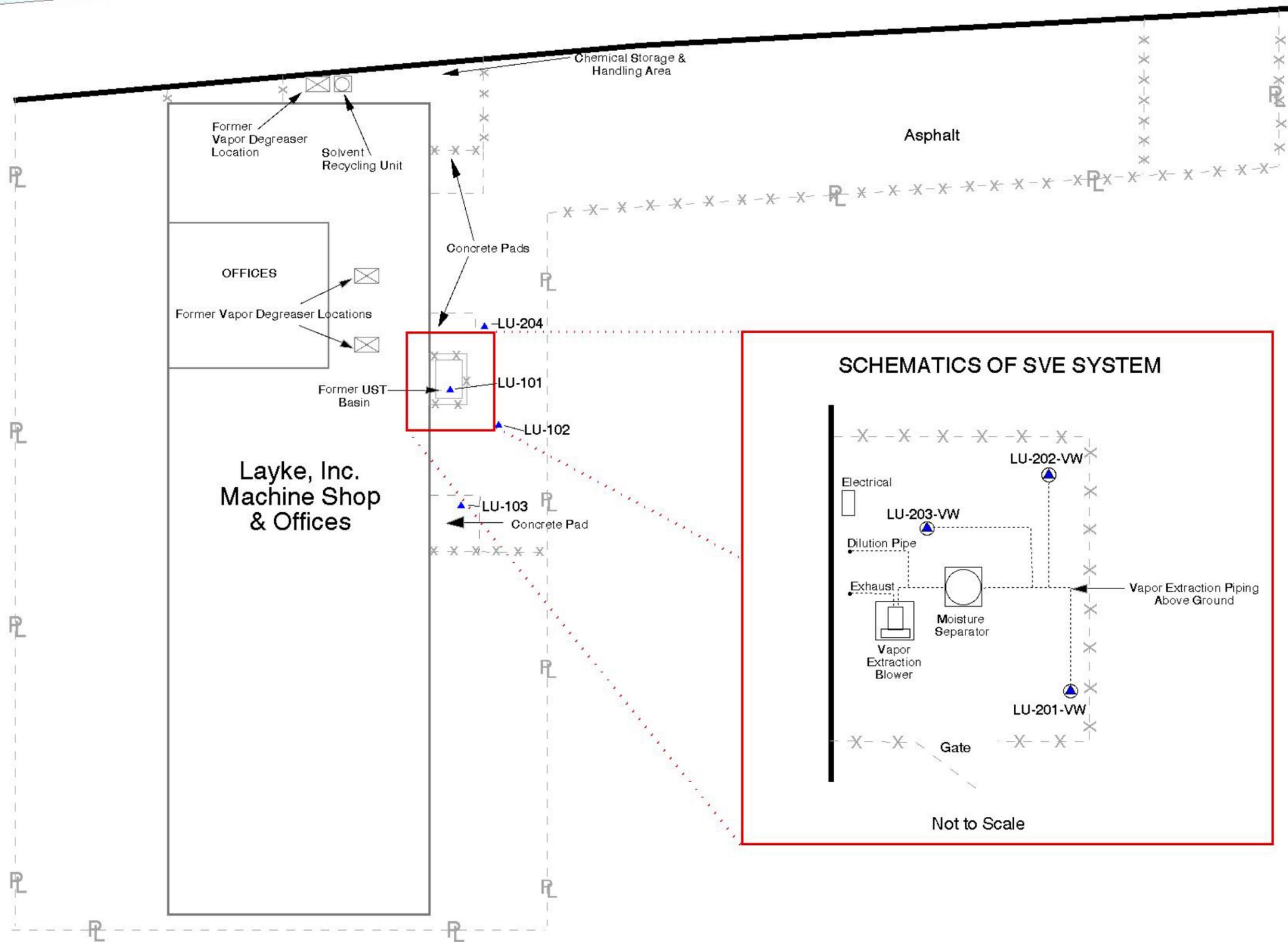
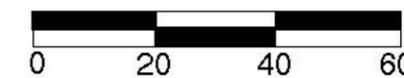


Figure 2-3  
1991 Phase II Testing

- P - - - - - Approx. Property Boundary
- X - - - - - Chain Link Fence
- Block Wall
- ⊠ Vapor Degreaser
- ⊡ Solvent Recycling Unit
- ▲ LU-101 Soil Boring Location (Phase II, 1991)
- ▲ LU-201-VW Soil Boring Converted to Soil Vapor Extraction Well (Phase II, 1991)



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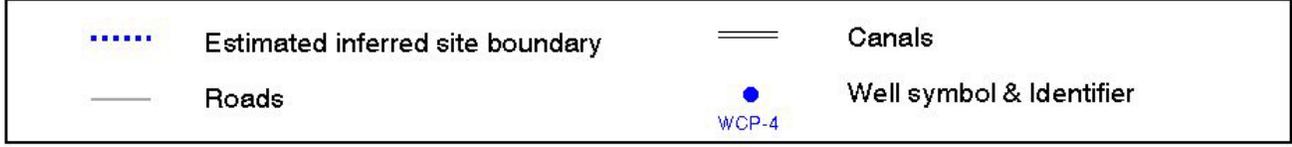
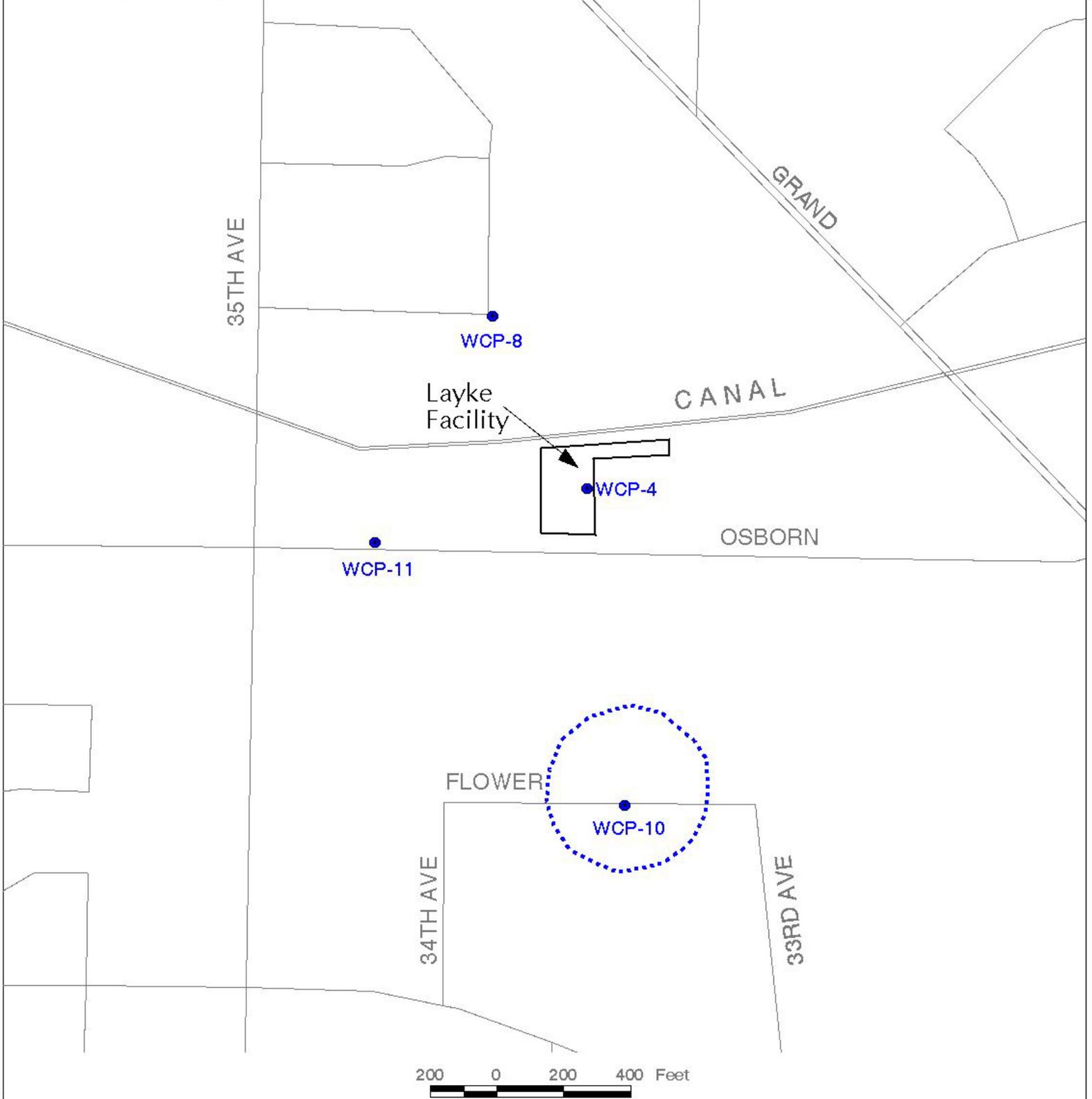
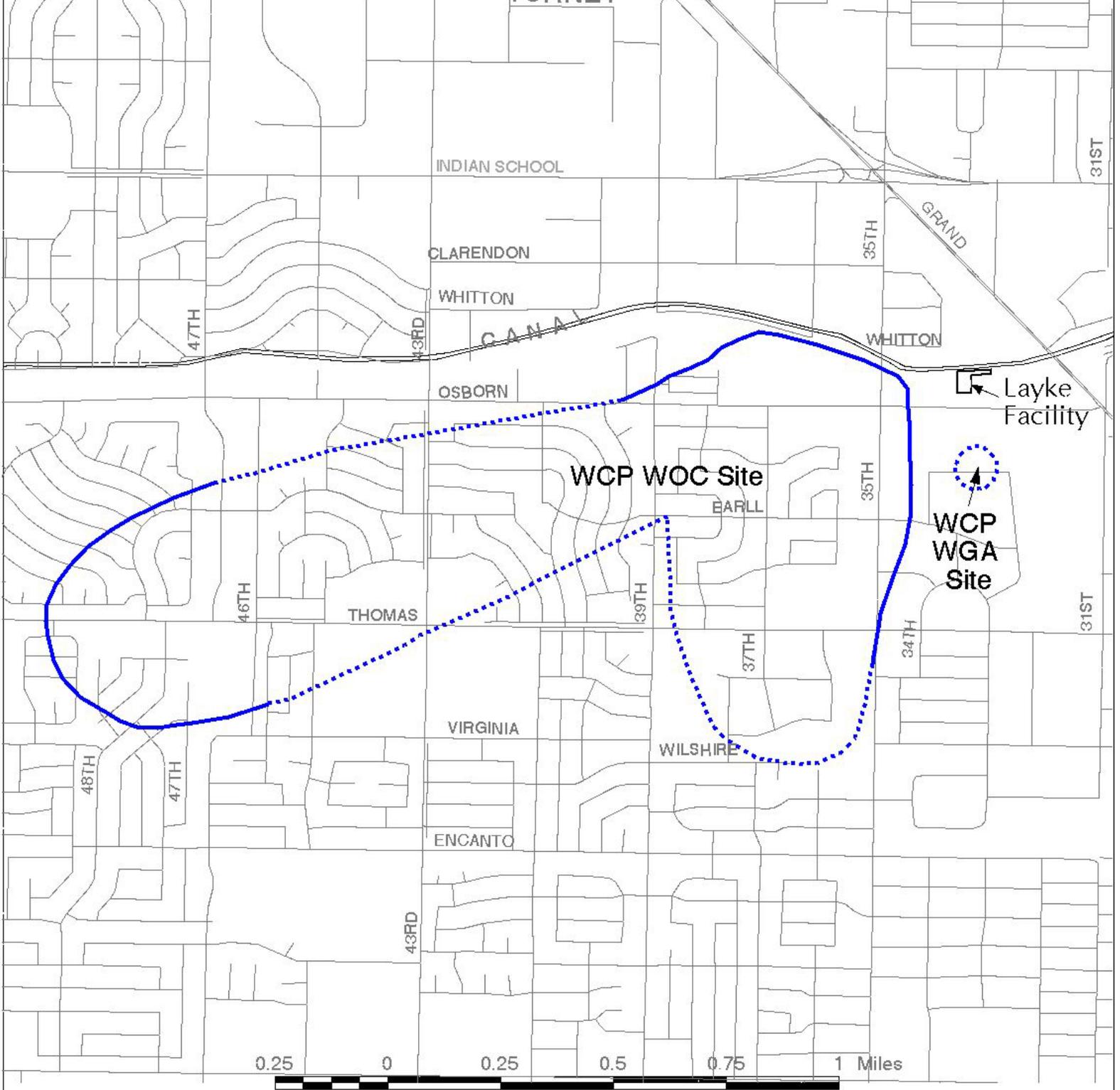


Figure 2-4  
Locations of Wells  
WCP-4, WCP-8,  
WCP-10 & WCP-11

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<p><b>—</b> Estimated site boundary - Contour represents area of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p> <p><b>- - -</b> Dashed line indicates inferred site boundary.</p>	<p><b>—</b> Roads</p> <p><b>—+—</b> Railroads</p> <p><b>==</b> Canals</p>
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**Figure 2-5**  
 Locations of the  
 WCP WOC and  
 WCP WGA Sites

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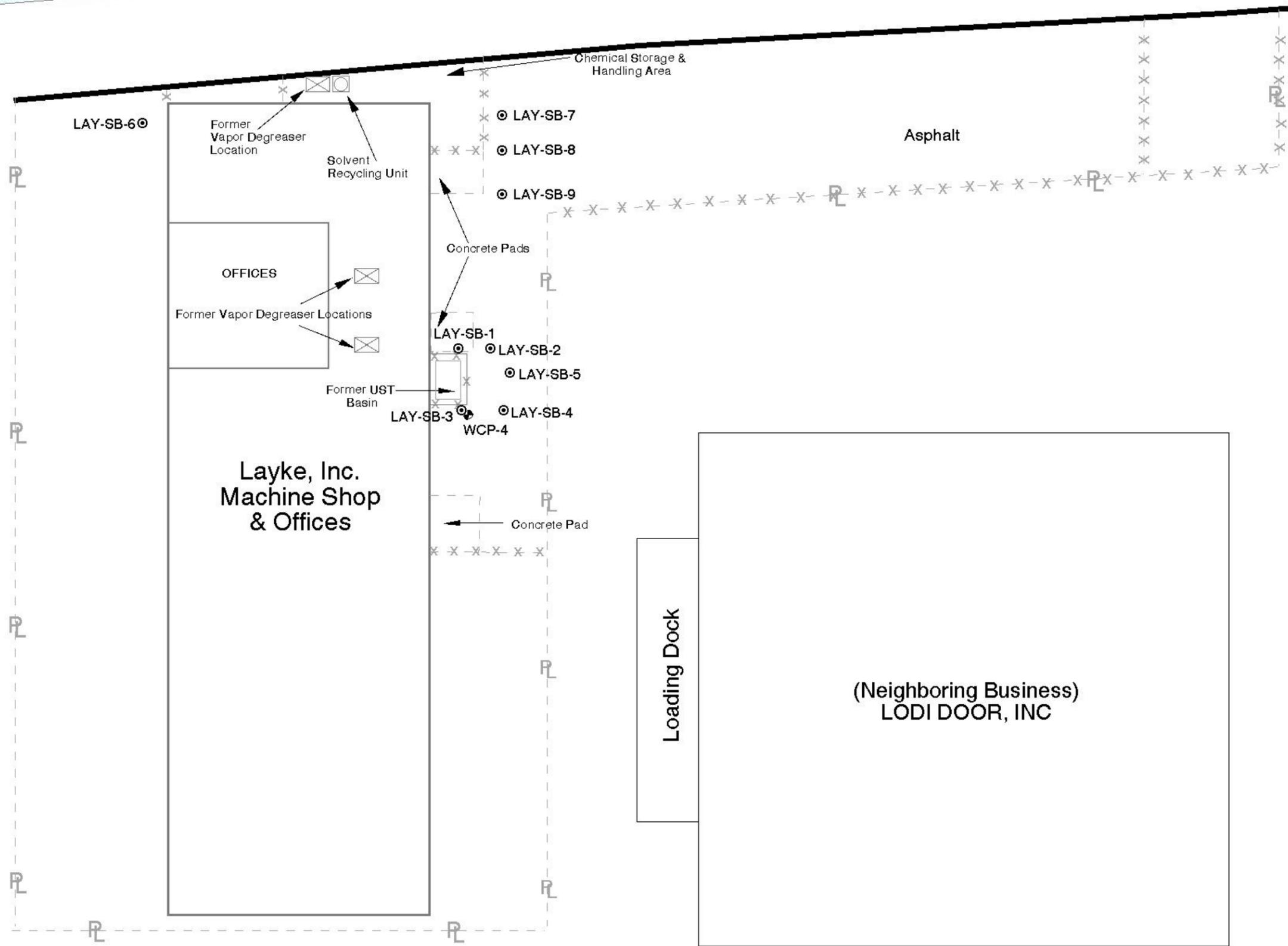
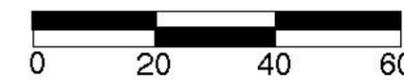


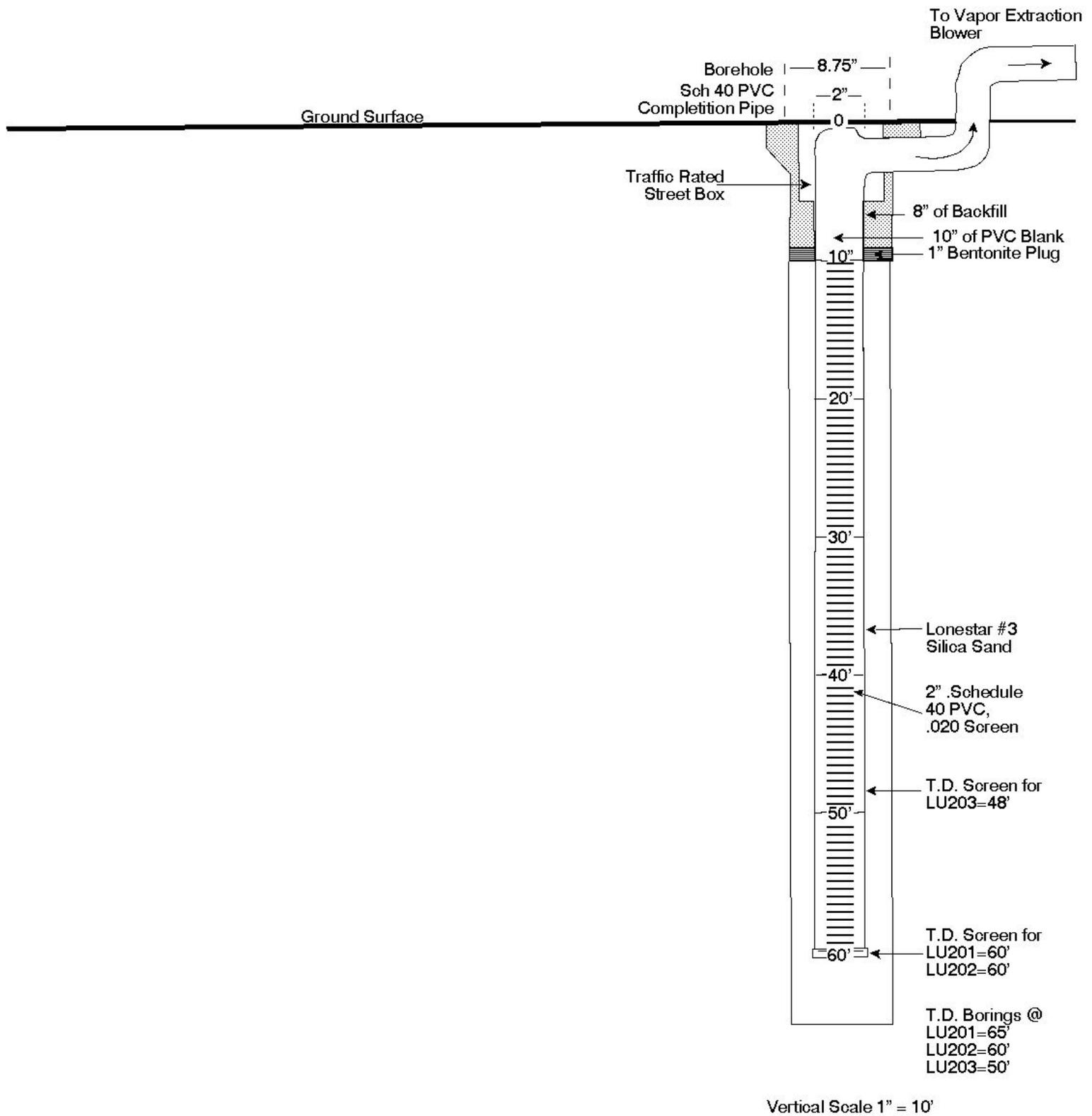
Figure 2-6

2001-2002 Layke Facility NFA Soil & Soil-Gas Investigation

- PL - - - - - Approx. Property Boundary
- X - - - - - Chain Link Fence
- Block Wall
- ⊠ Vapor Degreaser
- ⊠ Solvent Recycling Unit
- ⊙ Soil Boring Location (2001, 2002)
- ⊕ LAY-SB-2 Monitor Well
- ⊕ WCP-4



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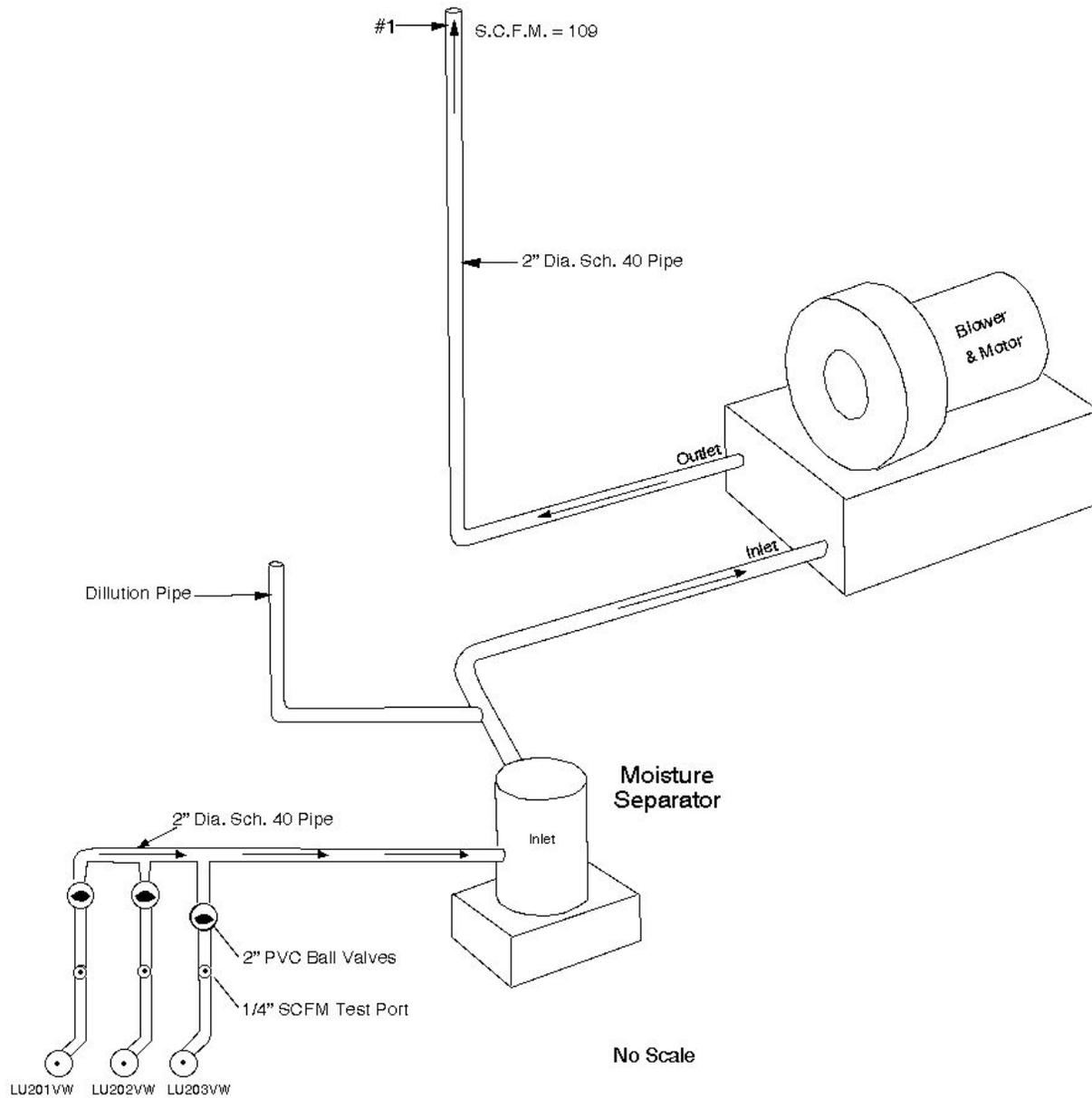


Figure 3-2  
 Soil Vapor Extraction  
 System Schematic  
 at the Layke Facility

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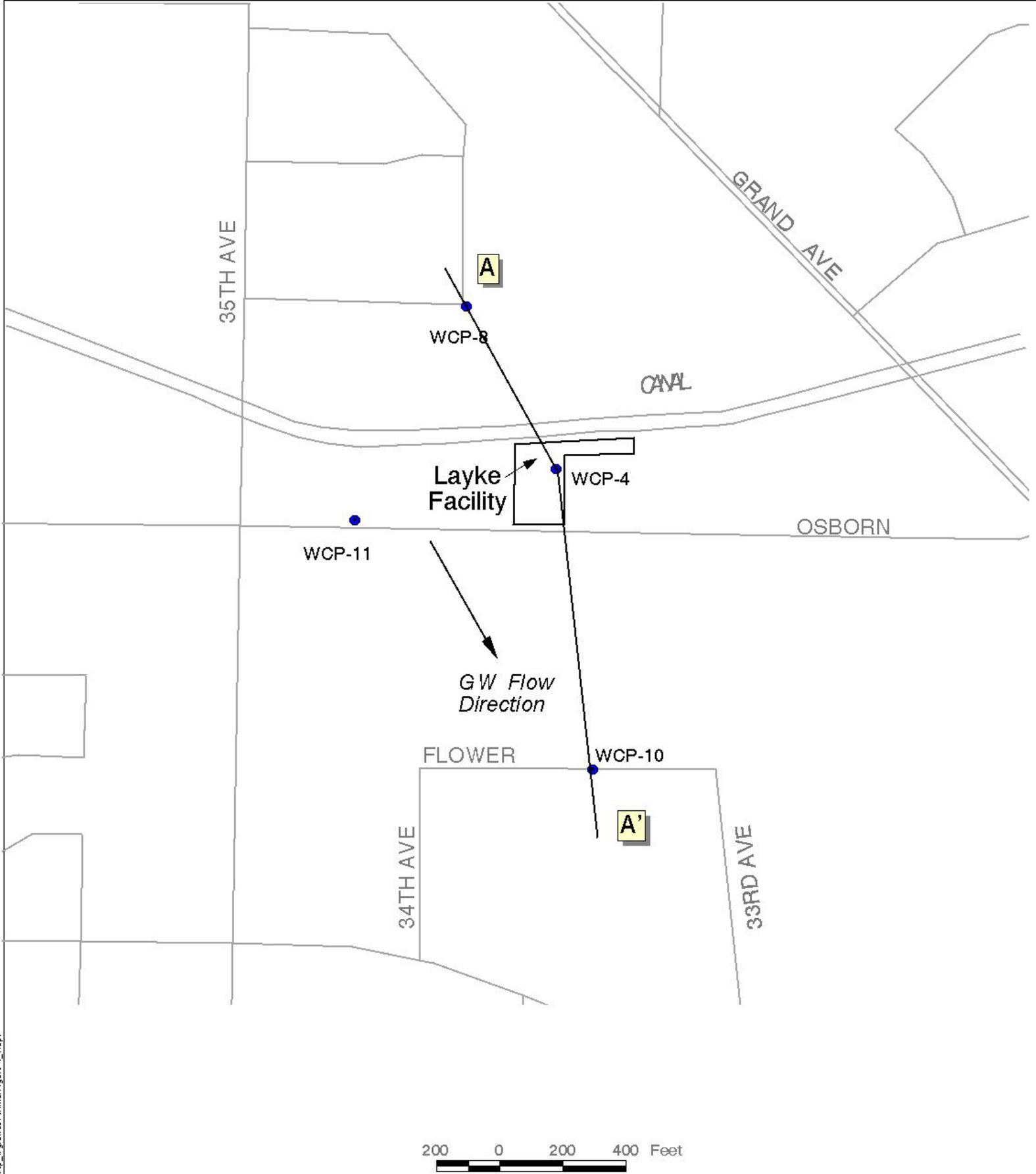
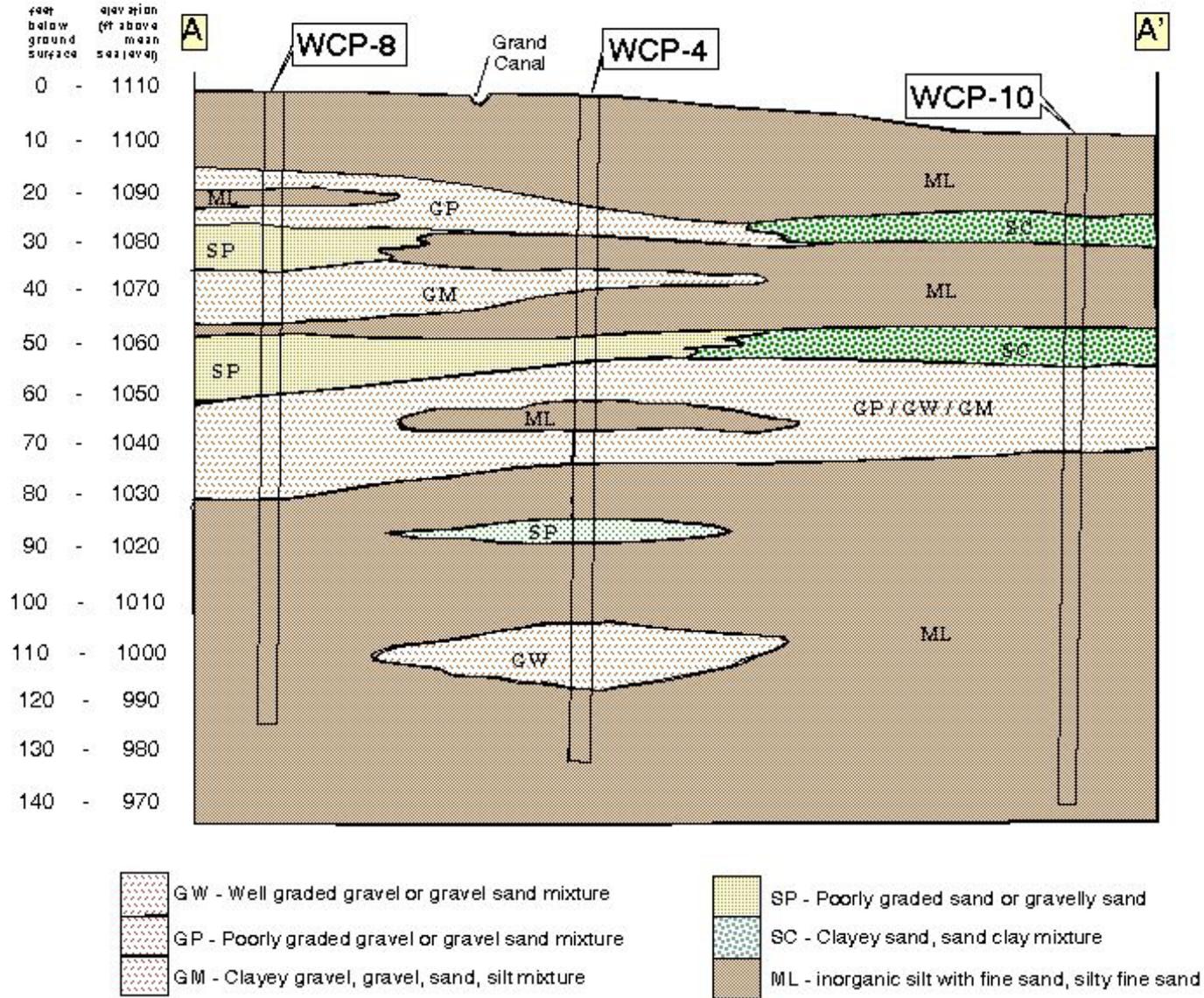
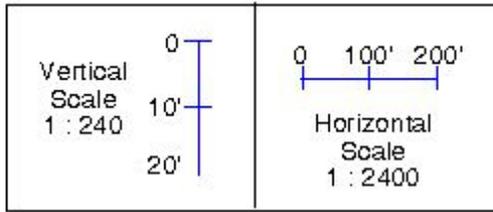


Figure 4-1  
Line of Section at the Layke Facility

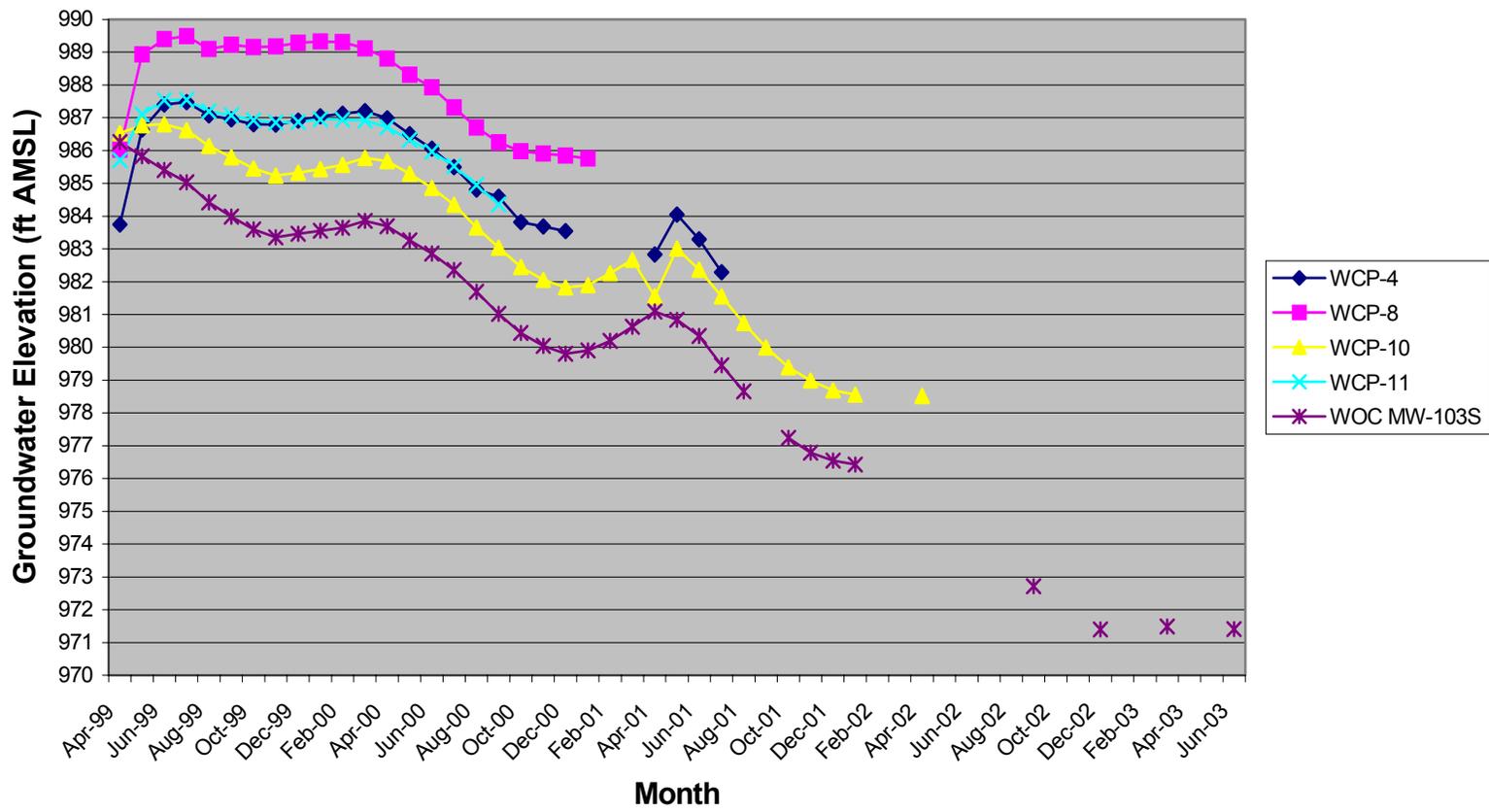


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**ADEQ**  
Arizona Department  
of Environmental Quality

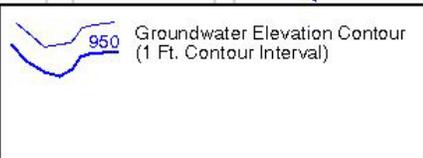
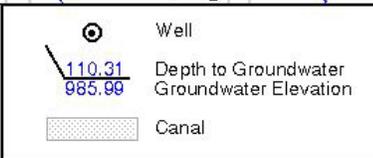
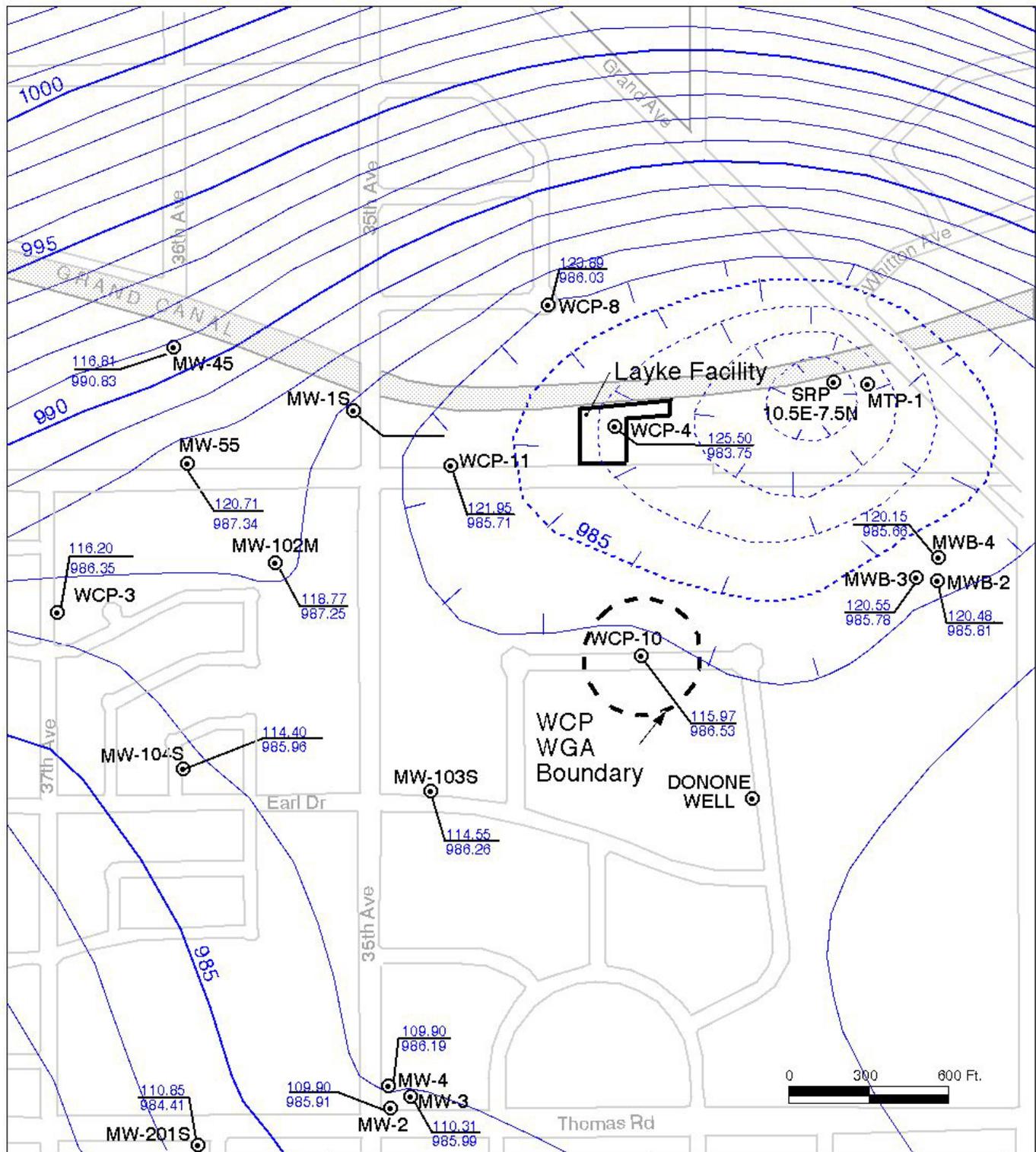
**Figure 4-2**  
**Cross Section A-A'**  
**at the Layke Facility**



Wells WCP-4, WCP-8, WCP-10 and WCP-11 are currently dry.



Figure 4-3  
 Hydrograph (April 1999 through June 2003)  
 WCP-4, WCP-8, WCP-10, WCP-11  
 & WOC MW-103S

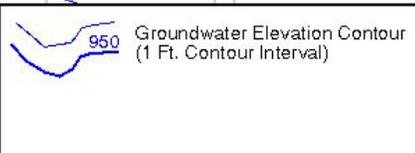
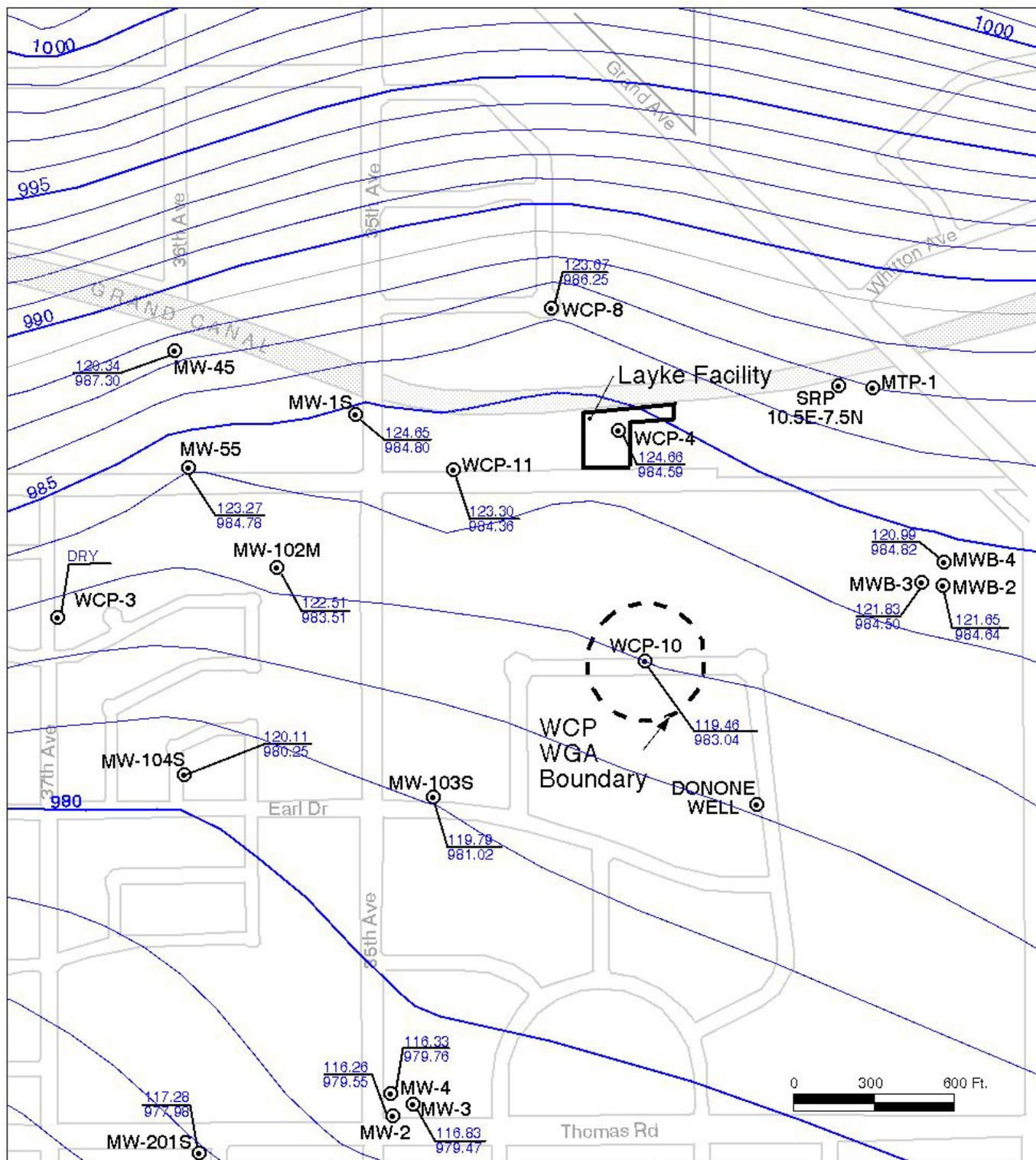


Note:  
 All well locations are approximate.  
 Groundwater Elevations (feet above mean sea level), City of Phoenix Datum.  
 Contours are derived from a groundwater monitor well network that exceeds the area covered by this map.



Figure 4-4  
 April 1999 Groundwater Elevations  
 at the WCP WGA Site



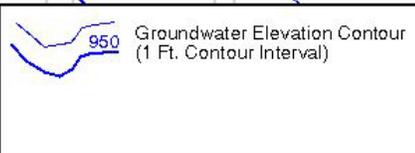
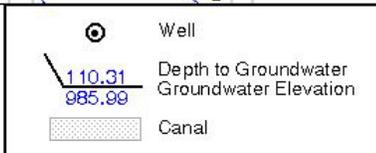
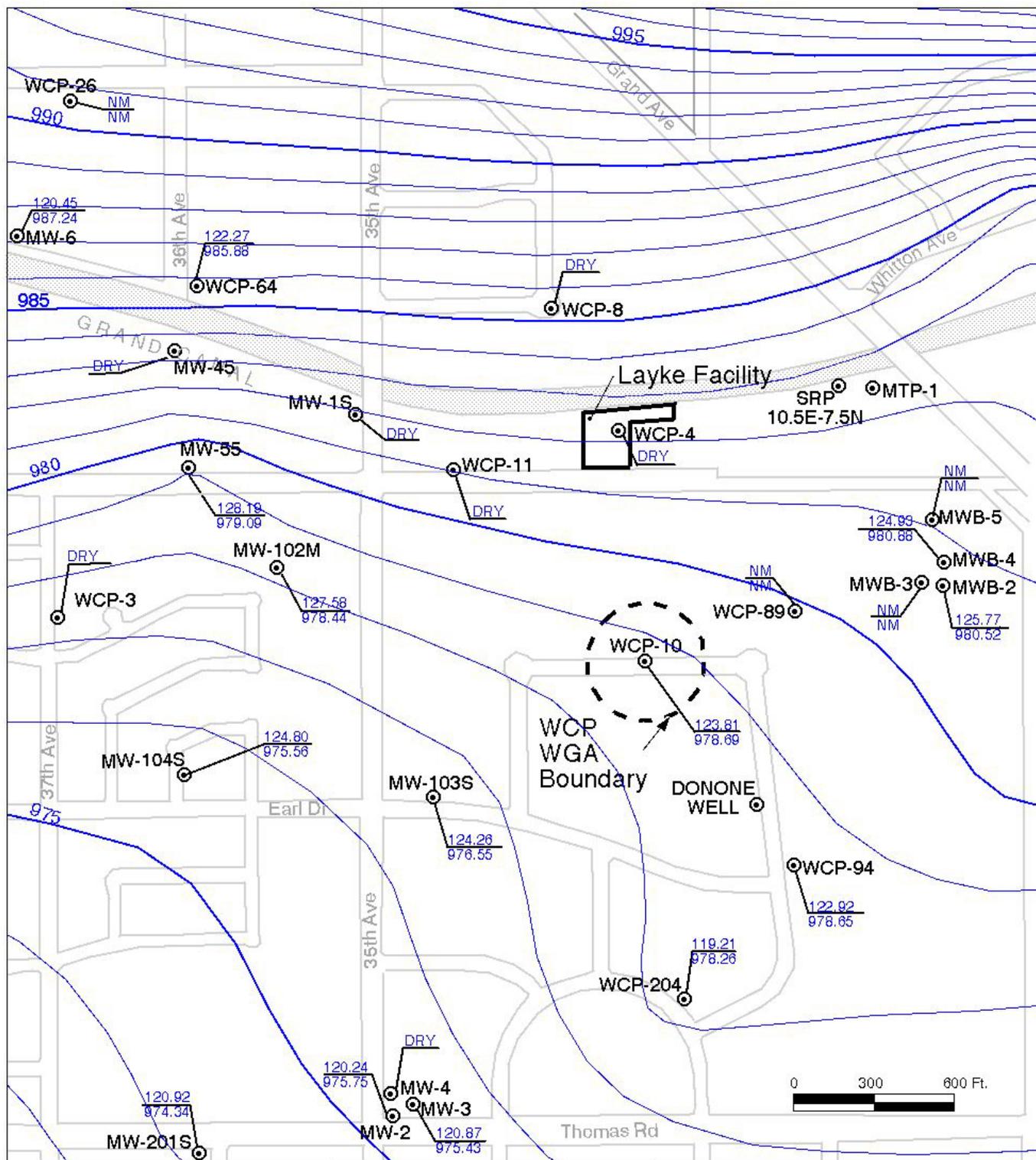


Note:  
 All well locations are approximate.  
 Groundwater Elevations (feet above mean sea level), City of Phoenix Datum.  
 Contours are derived from a groundwater monitor well network that exceeds the area covered by this map.



Figure 4-5  
 September 2000 Groundwater Elevations  
 at the WCP WGA Site





Note:  
All well locations are approximate.  
Groundwater Elevations (feet above mean sea level), City of Phoenix Datum.  
Contours are derived from a groundwater monitor well network that exceeds the area covered by this map.



Figure 4-6  
December 2001 Groundwater Elevations  
at the WCP WGA Site



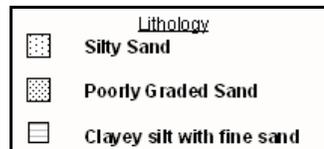
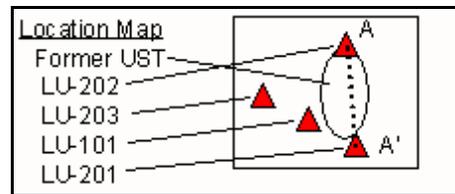
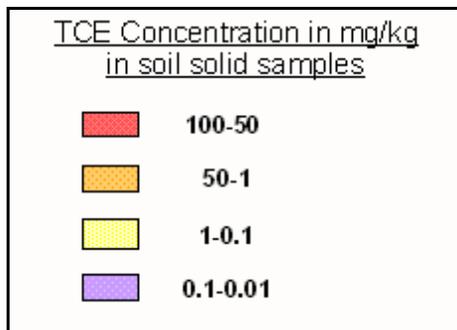
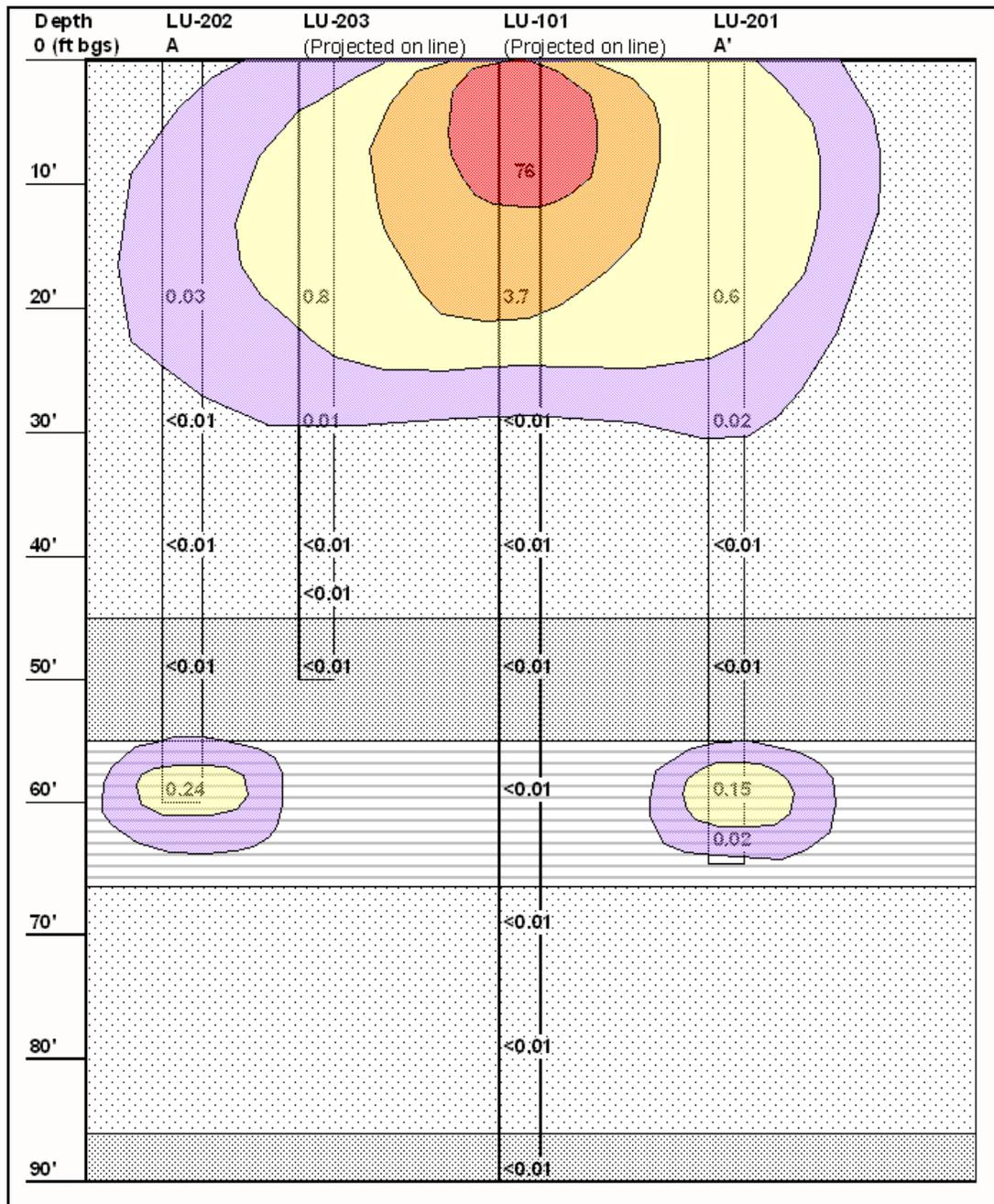
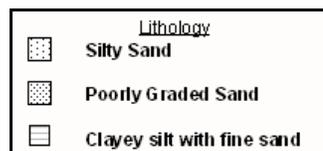
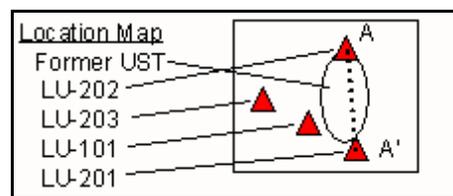
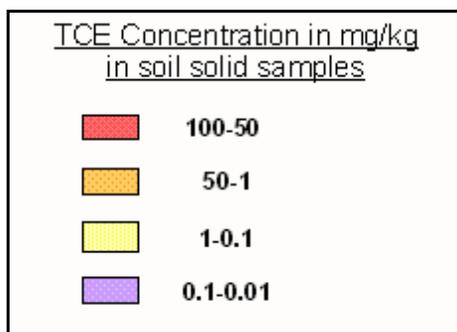
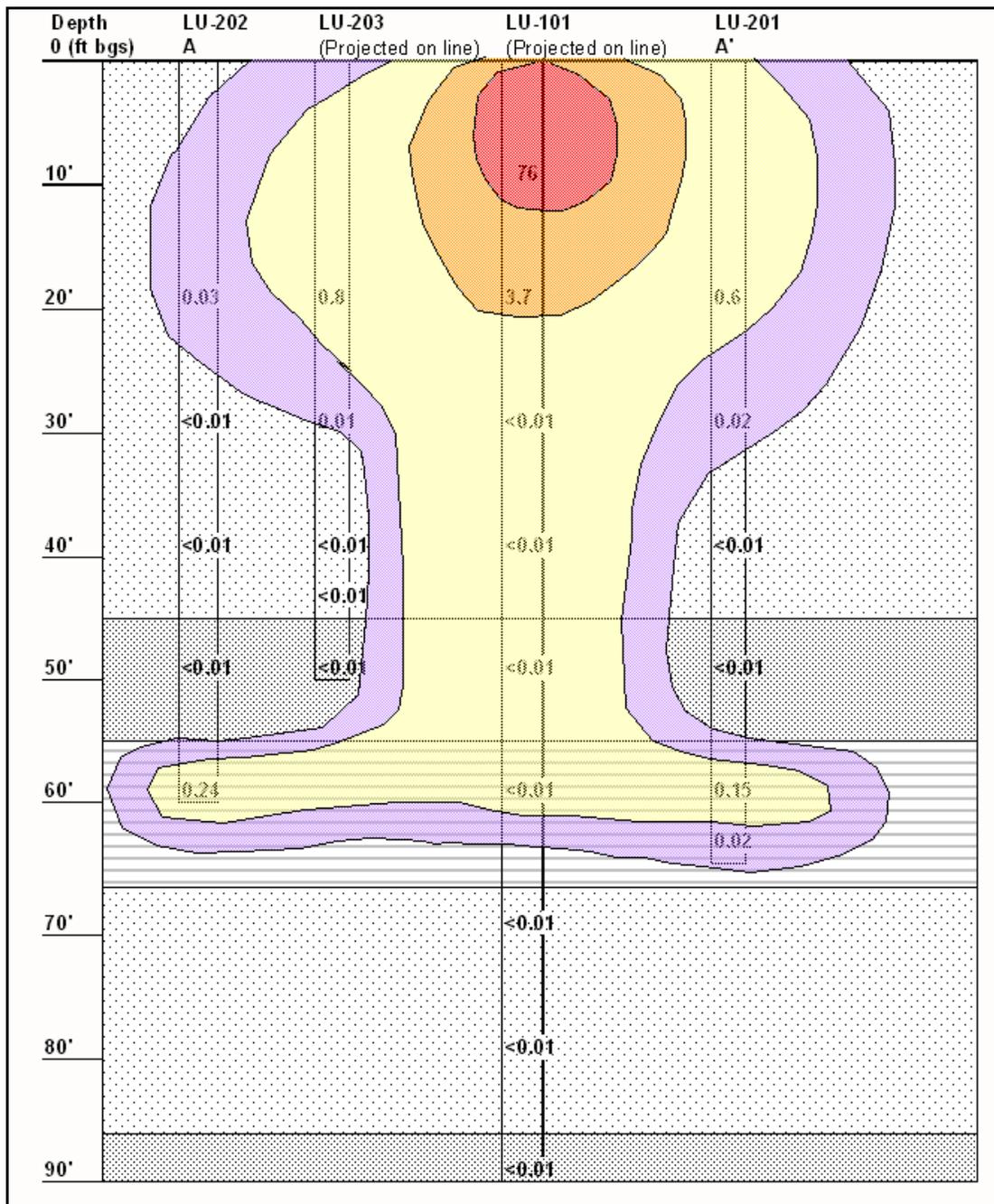
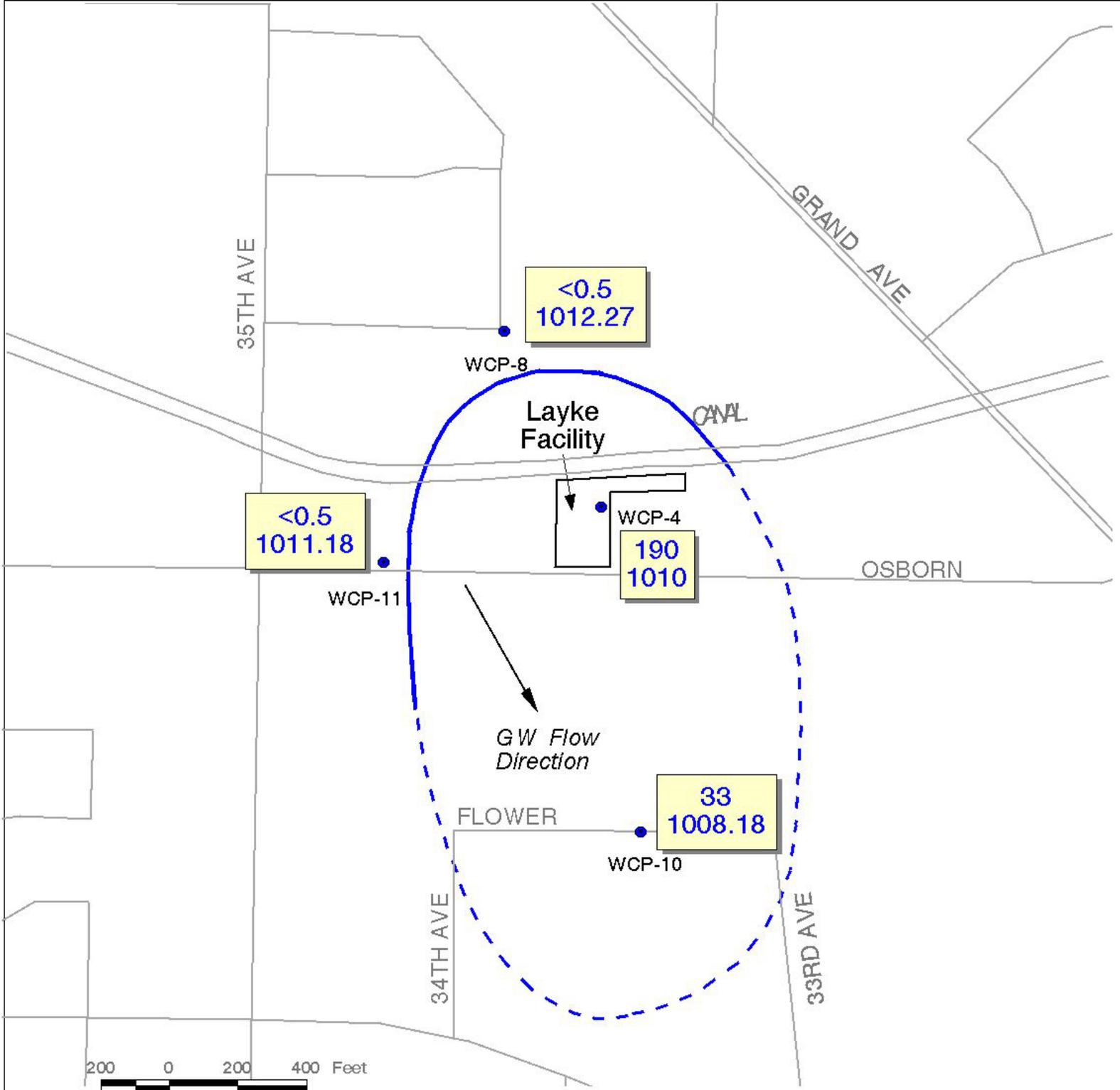


Figure 5-1

Previous Extent of Soil Contamination  
at the Layke Facility Former UST Basin



**Figure 5-2**  
Cross Section Depicting  
Potential Release Pathways at the  
Layke Facility

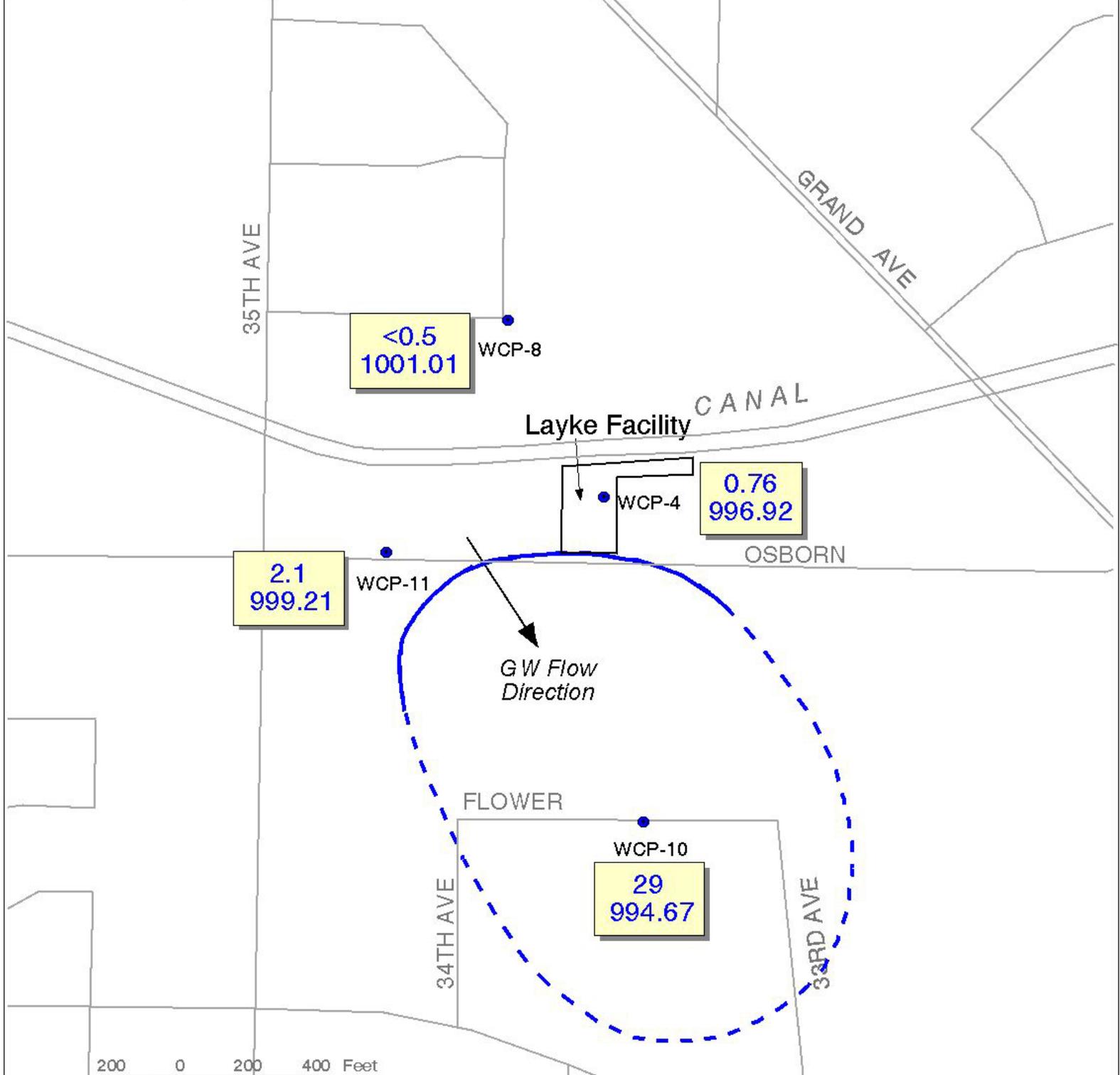


<p><b>—</b> Contour represents area of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p> <p><b>- - -</b> Dashed line indicates inferred extent of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p>	<p>— Roads</p> <p>— Canals</p> <p>● Well symbol &amp; identifier</p> <p>WCP-4 1.0 900.00</p> <p>TCE concentration in µg/L &amp; water level in feet amsl.</p>
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Figure 5-3  
TCE Concentration Contour Map  
February 1996

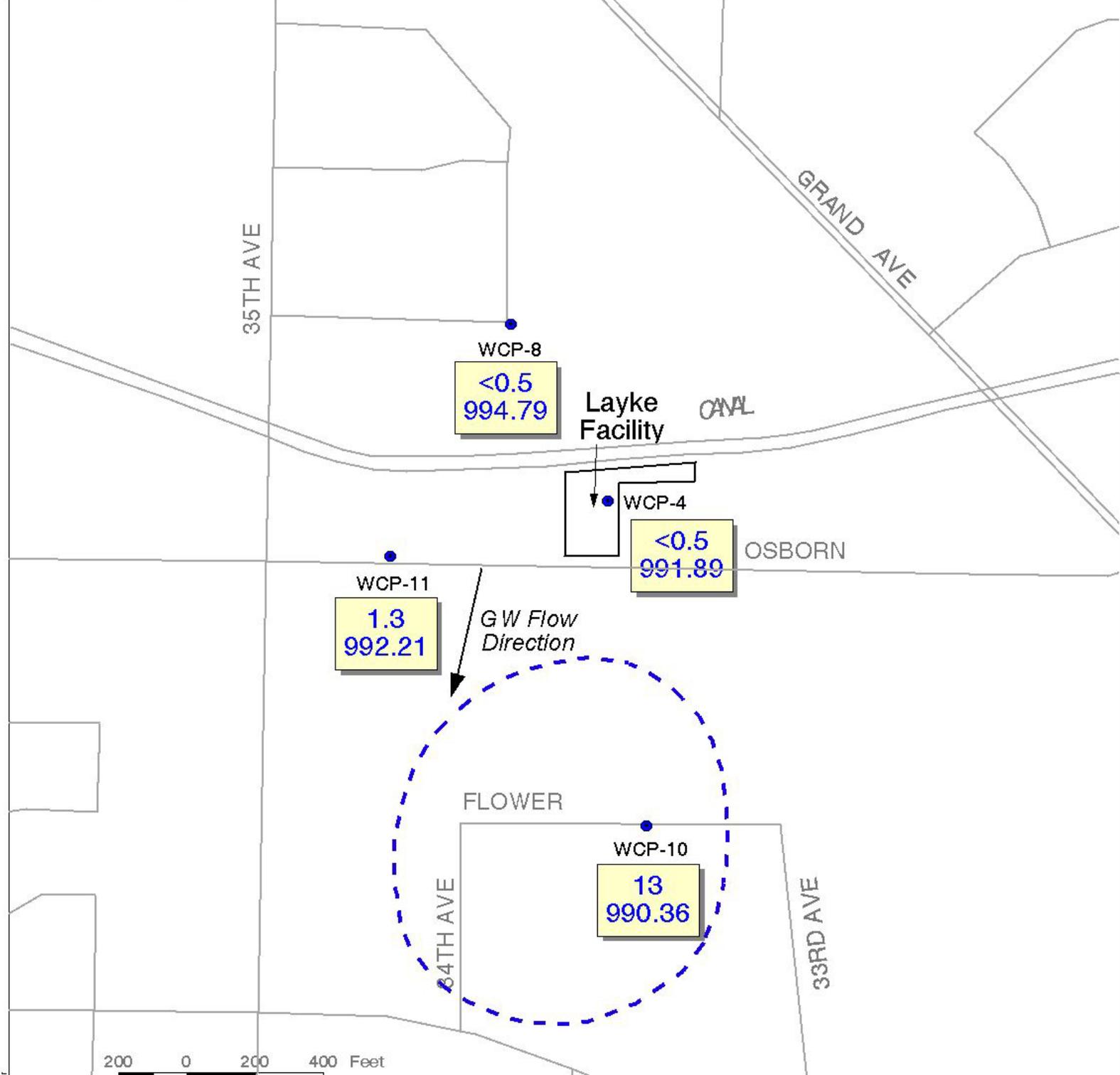
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<p><b>—</b> Contour represents area of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p> <p><b>- - -</b> Dashed line indicates inferred extent of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p>	<p>— Roads</p> <p>— Canals</p> <p>● Well symbol &amp; identifier</p> <p>WCP-4</p> <p>1.0 900.00</p> <p>TCE concentration in µg/L &amp; water level in feet amsl.</p>
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Figure 5-4  
TCE Concentration Coutour Map  
February 1997



<p> Contour represents area of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p> <p> Dashed line indicates inferred extent of TCE contamination in groundwater that exceeds the Aquifer Water Quality Standard of 5 µg/L.</p>	<p> Roads</p> <p> Canals</p> <p> Well symbol &amp; identifier</p> <p>WCP-4  TCE concentration in µg/L &amp; water level in feet amsl.</p>
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Figure 5-5  
TCE Concentration Contour Map  
February 1999

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