



MEMORANDUM

DATE: October 1, 2012

TO: Honorable Mayor and Council
Members

FROM: Andrew H. Quigley
Director
Environmental Services

SUBJECT: Broadway Pantano Water Quality Assurance Revolving Fund (WQARF) Site
Western Containment System Shutdown

Environmental Services, Tucson Water, and Arizona Department of Environmental Quality (ADEQ) staff have agreed to shut down the Broadway Pantano Western Containment System (BP-WCS) in October 2012. The BP-WCS is an ADEQ Early Response Action which became operational in 2003. The site is operated by the City of Tucson and its consultants with ADEQ funding and oversight. When the BP-WCS site was first turned on in 2003, the tetrachloroethene (PCE) concentration at the lead extraction well was above the aquifer water quality standards of 5 micrograms per liter (ug/L). Over the past 8 years the level has dropped to below 1 ug/l. In early 2012, ADEQ and the City decided to reassess the effectiveness of the BP-WCS. The assessment included an extensive evaluation of the system including current and past site conditions and extensive modeling to predict future groundwater movement.

To insure the groundwater aquifer is protected during the shutdown, ADEQ and City staff developed an enhanced groundwater monitoring program and will maintain the WCS to allow it to be restarted if necessary. City and ADEQ staff and consultants will perform the enhanced groundwater monitoring and maintenance of the WCS. The City will continue to request in-kind reimbursement for the groundwater monitoring and monetary reimbursement for the system maintenance per the Work Share Agreement and the first and second amendments.

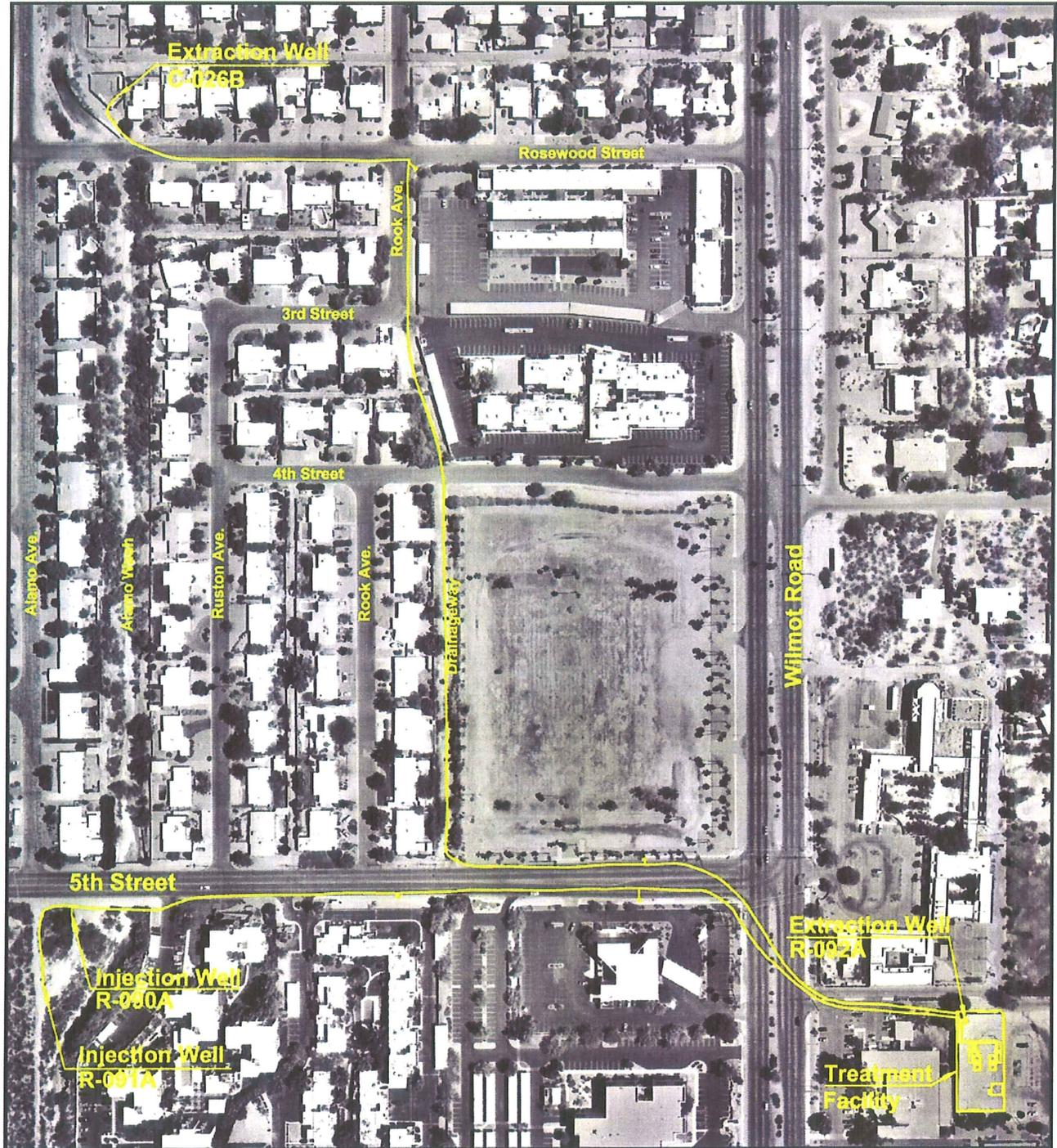
The shutdown will stay in effect until there is an increase in contaminant level and or movement or a final remedy for the site has been selected. An ADEQ Community Advisory Board meeting was held on September 19, 2012, to notify the group of the planned shutdown. A map of the BP-WCS, along with the location of groundwater contamination plume dated February 2012 is attached for reference. If you have any questions or require additional information please contact me at 837-3777.

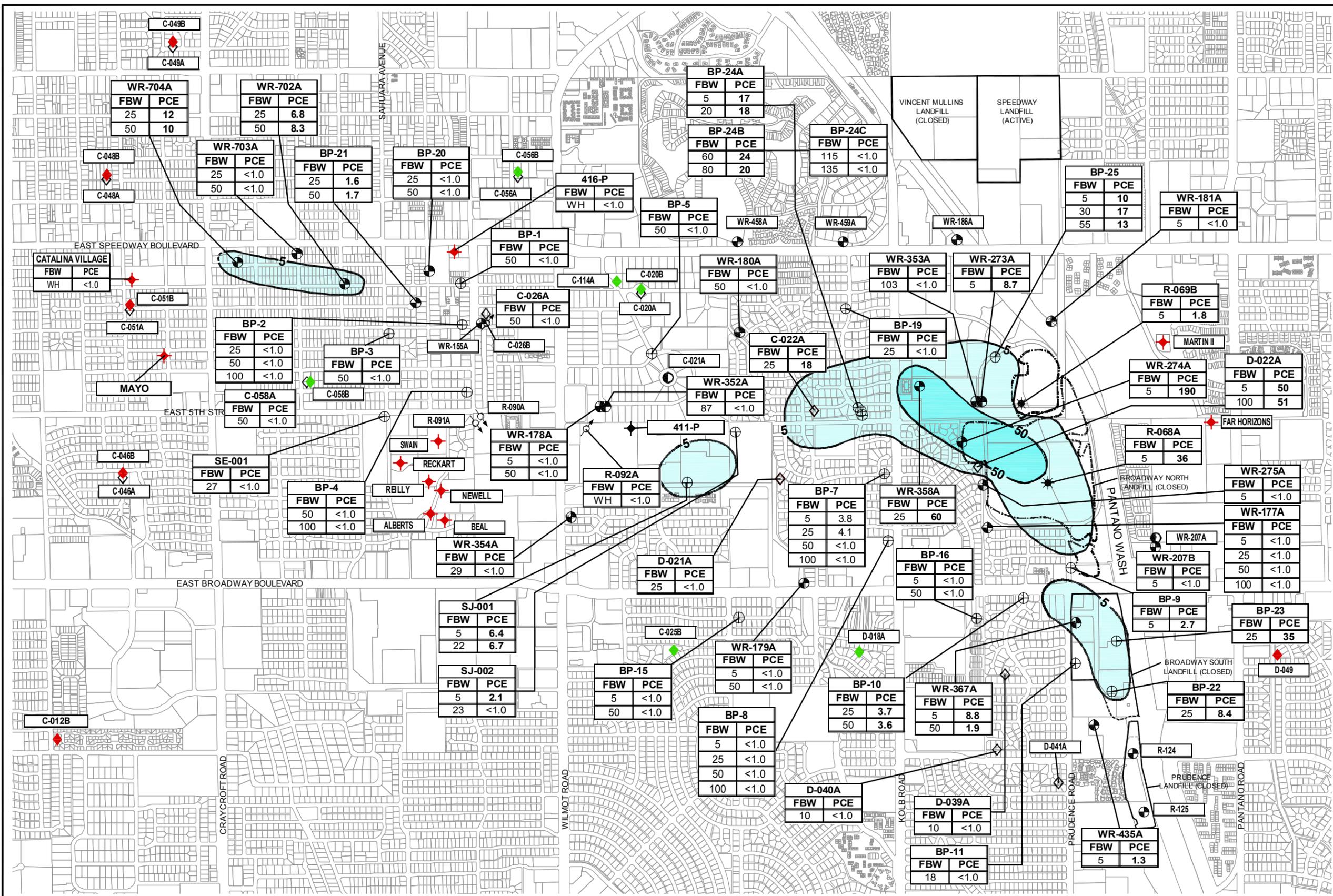
AHQ/JD/dg

Attachment: Site Map
Plume Map

cc: Richard Miranda, City Manager
Liz Miller, Deputy City Manager
Kelly Gottschalk, Assistant City Manager/CFO
Albert Elias, Assistant City Manager

BROADWAY PANTANO WESTERN CONTAINMENT SYSTEM





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FILEPATH: I:\ASRAC-NEW BP (20401)\4.3 Maps\2011\SITE WIDE PCE MAP SEPT 2011.dwg | Layout Tab: Site Wide | Drafter: cgraves | Jun 08, 2012 at 11:35

 Stantec 8211 S. 48th Street Phoenix, Arizona 85044 Phone: (602) 438-2200 Fax: (602) 431-9562	FOR: BROADWAY-PANTANO WQARF SITE TUCSON, ARIZONA	GROUNDWATER PCE CONCENTRATIONS MAP SEPTEMBER 19 - 28, 2011		FIGURE: 7
	JOB NUMBER: 212202353	DRAWN BY: CG	CHECKED BY: TAK	APPROVED BY: TAK