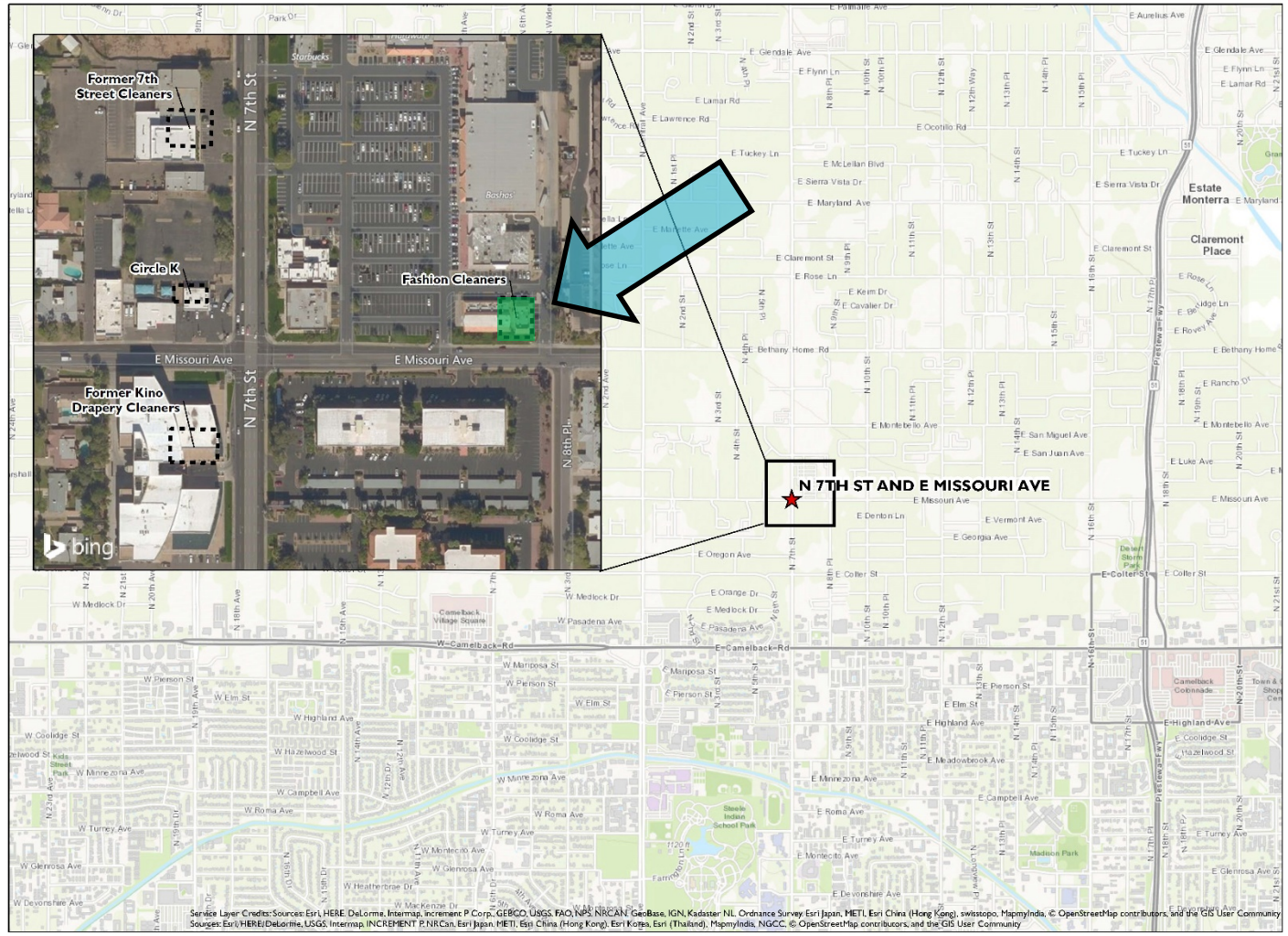
Fashion Cleaners Summary
736 E. Missouri Ave.
Phoenix, AZ
VRP Site Code: 512722-00

October 16, 2019

HALEY ALDRICH

Site Location



Legend

★ Site Location

1 inch = 2,000 feet

0 1,000 2,000 Feet

Pinyon

SITE LOCATION

North 7th Street and East Missouri Avenue
Phoenix, Arizona

Site Location: Sections 9, 16 and 17, Township 2N, Range 3E, Gila and Salt River Meridian	Drawn By: JAF	Figure: 1
Pinyon Project Number: 7/17-1006-03.5206c	Reviewed By: AMG	Date: 2/1/2018

- One block east of 7th St. and Missouri Ave. intersection.

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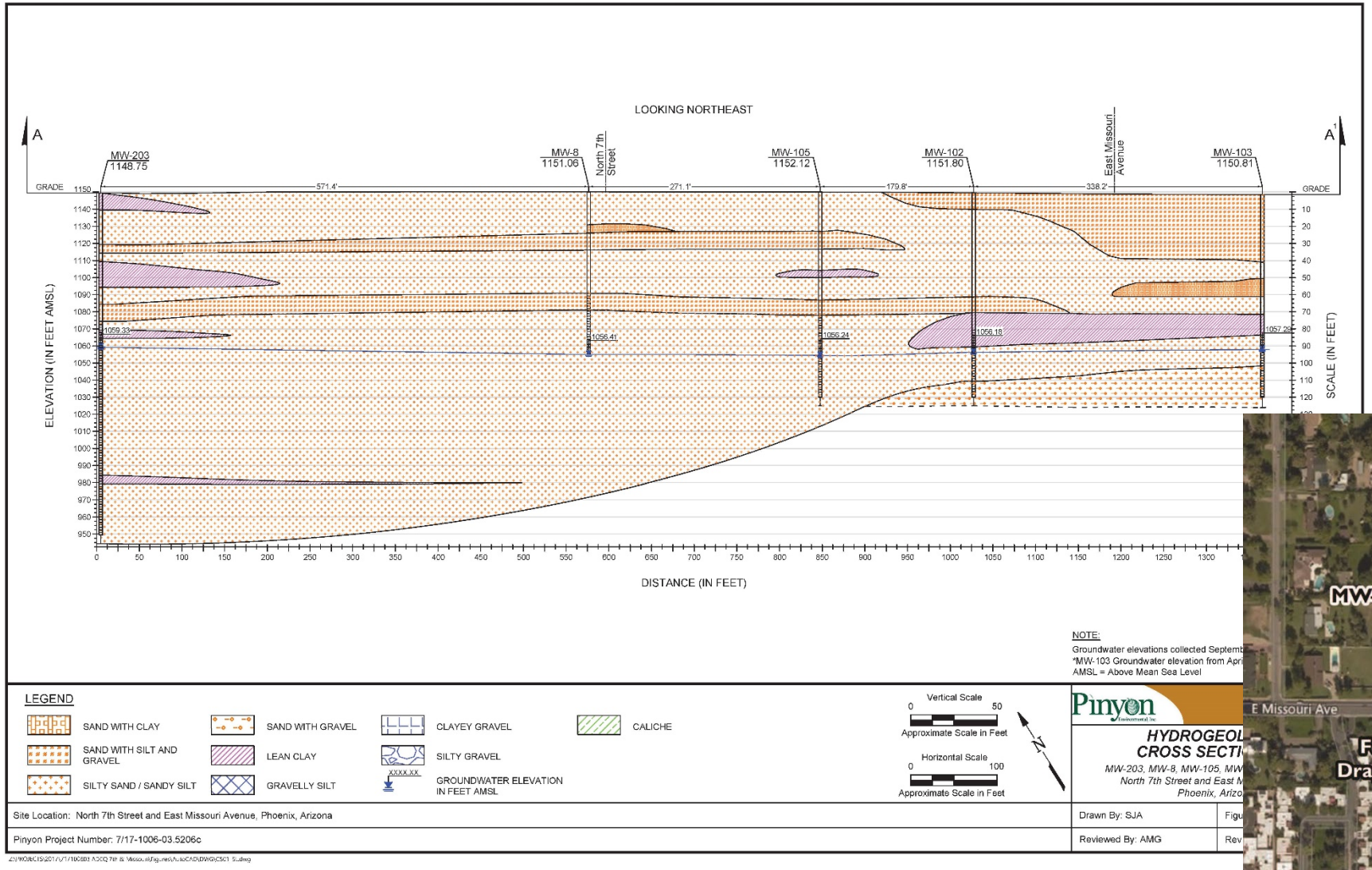
Site Geology



- Unconsolidated basin-fill material;
- Primarily sand and silty sand, with some thin clay layers.

Site Characterization Work – June 2018

- Drilling, testing, and installation of MW-106S and MW-106D;
- Purpose: vertical delineation of tetrachloroethylene (PCE) impacts.

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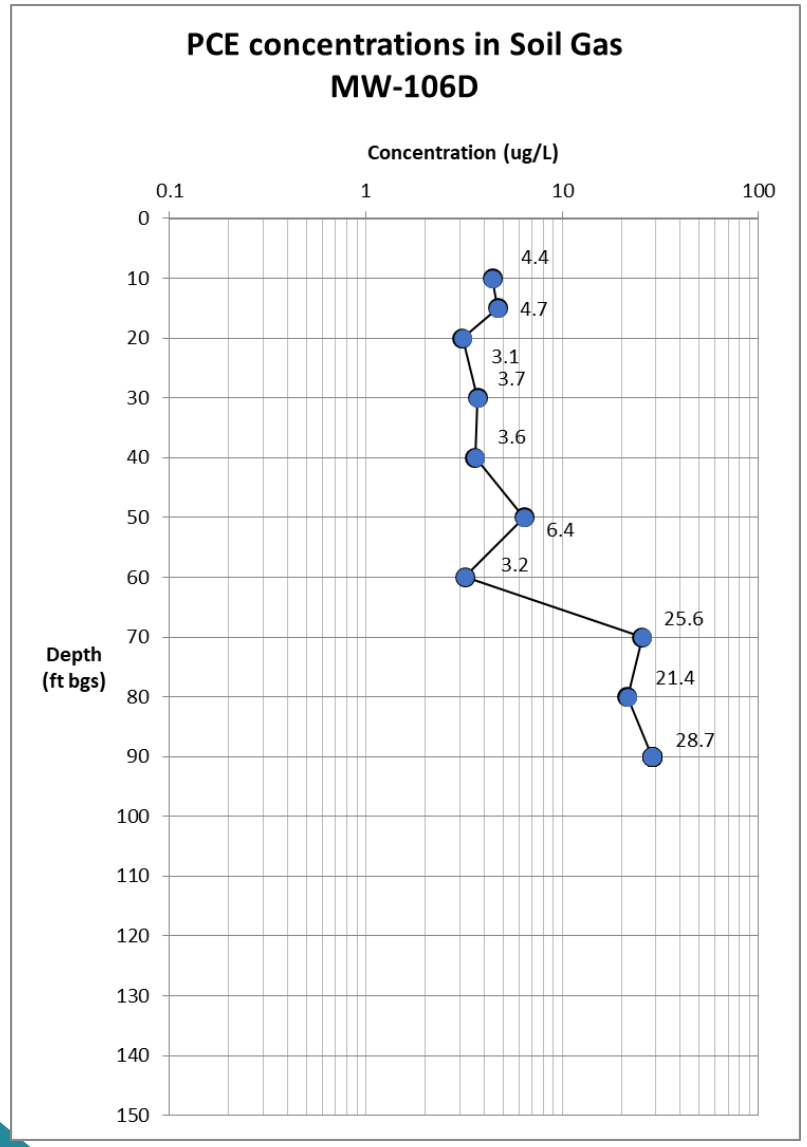
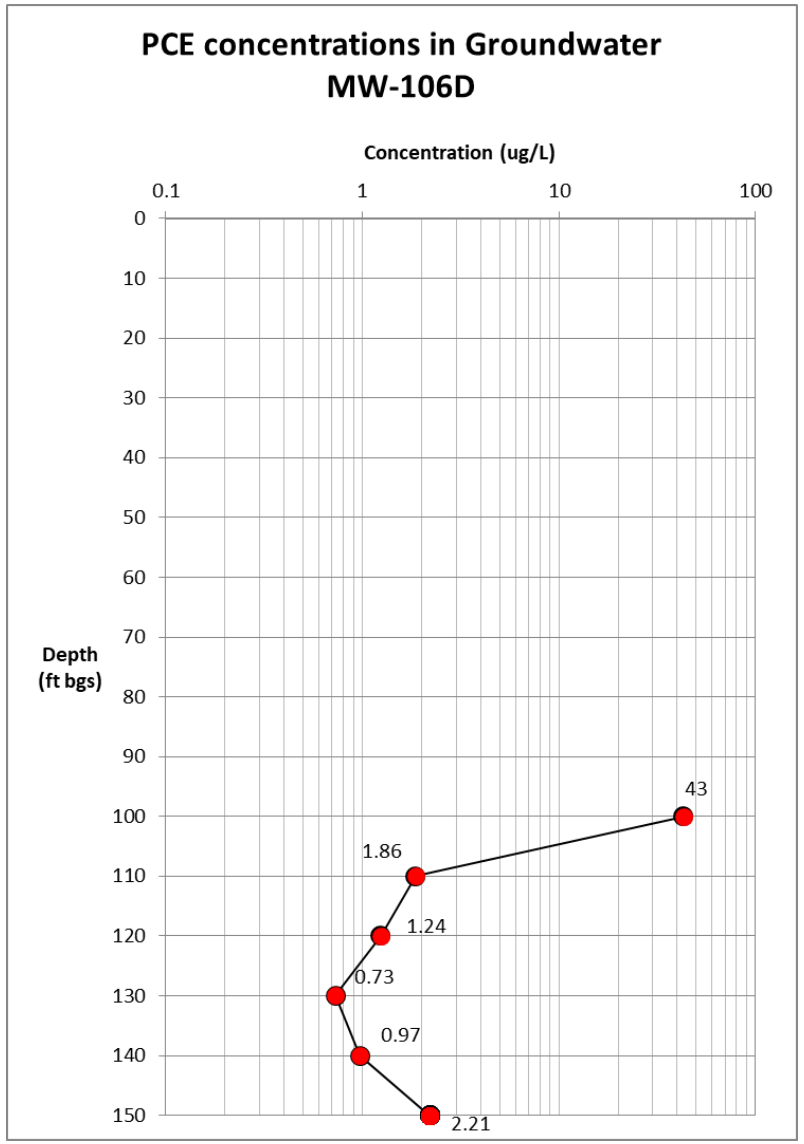
Site Characterization Work – June 2018





- Collected soil gas via SimulProbe™ method every 5 feet from 10 to 20 feet; every 10 feet thereafter to the water table (90 feet);
- Collected groundwater via HydroPunch every 10 feet to from 100 to total depth of 150;
- Groundwater sample at the water table (43 ug/L) was above the PCE MCL of 5 ug/L; all other vertical samples less than MCL;
- Observed influence of PCE at the water table in the lower soil gas samples;
- Relatively low soil gas sample results do not indicate significant release from Fashion Cleaners;
- Trichloroethylene (TCE) was not detected in either the soil gas or groundwater samples.

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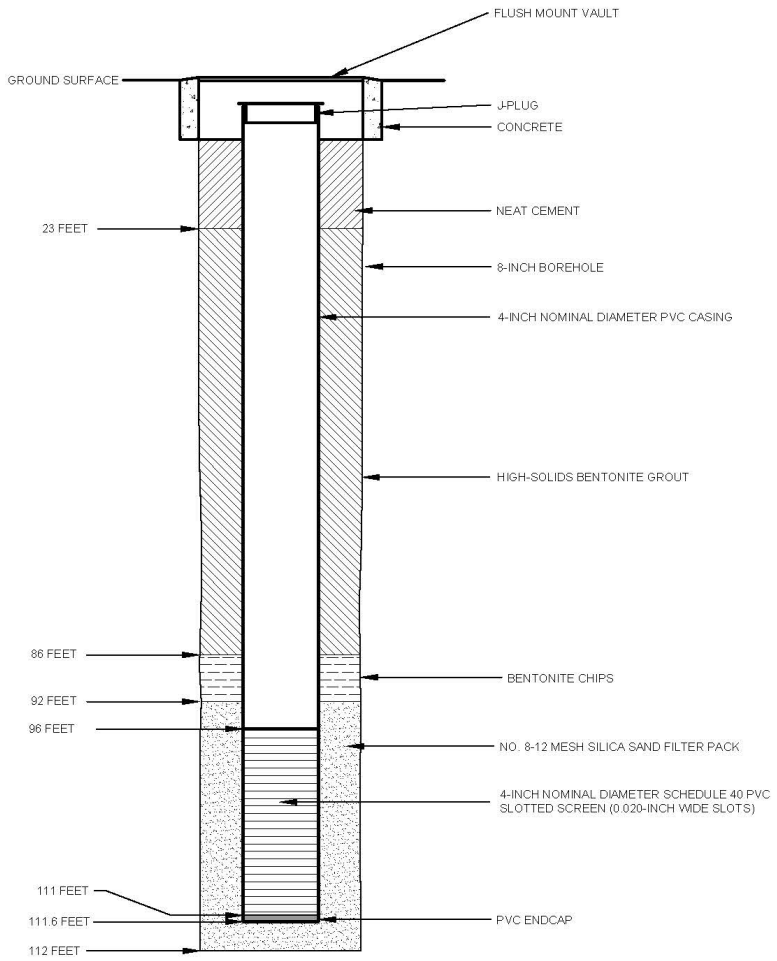
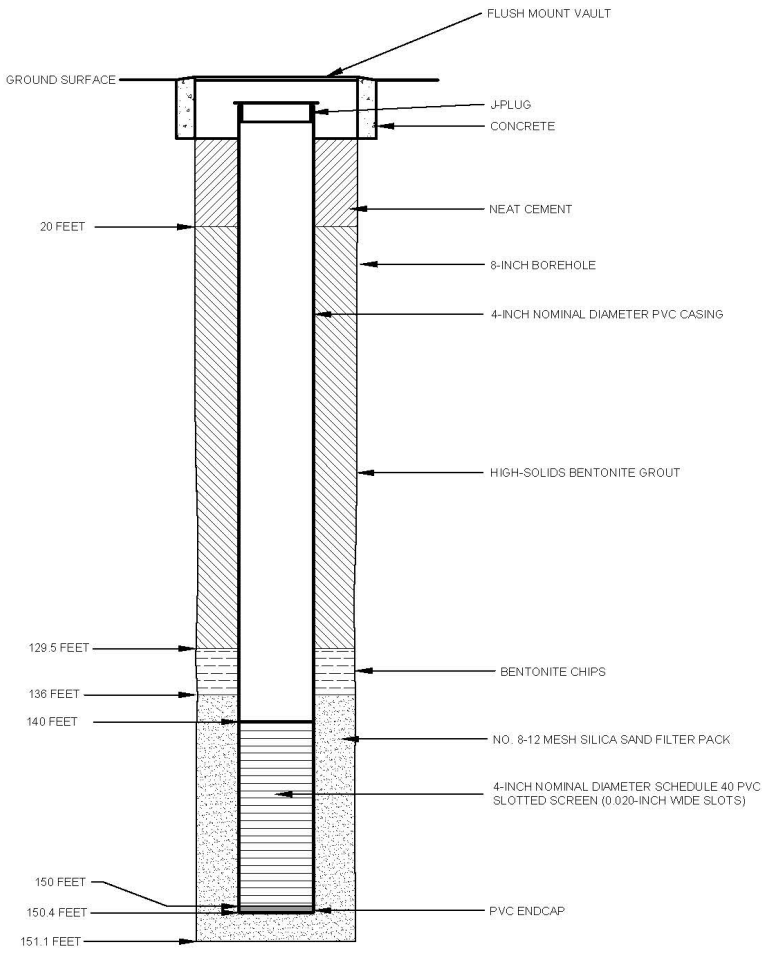
Site Characterization Work – June 2018



MW-106S



MW-106D

- MW-106S completed across the water table – screened from 96 to 111 feet;
- MW-106D screened from 140 to 150 feet;
- Initial samples were generally consistent with the HydroPunch samples – 50.8 ug/L at MW-106S and non-detect at MW-106D;
- TCE was not detected in groundwater samples from completed wells.

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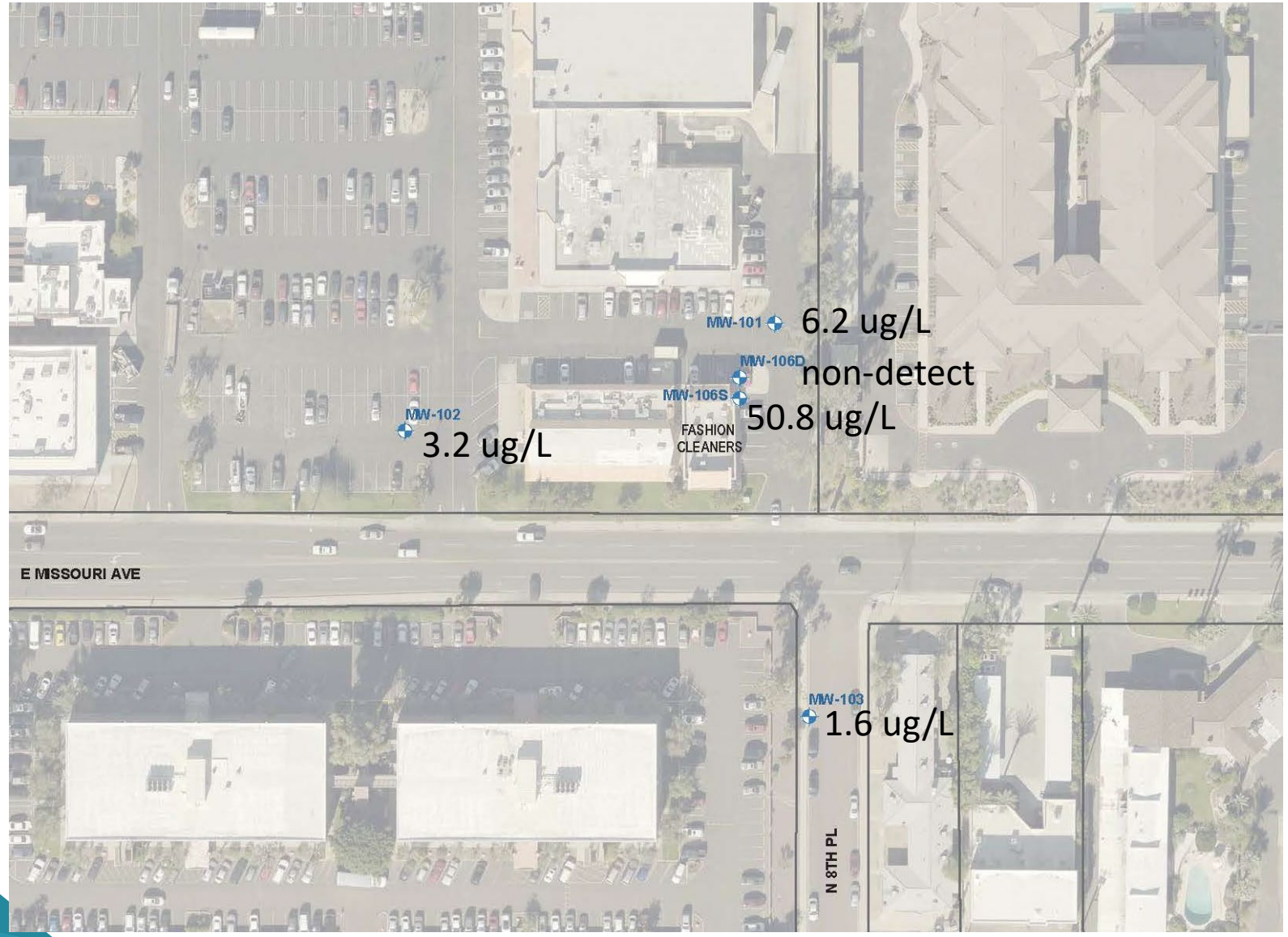
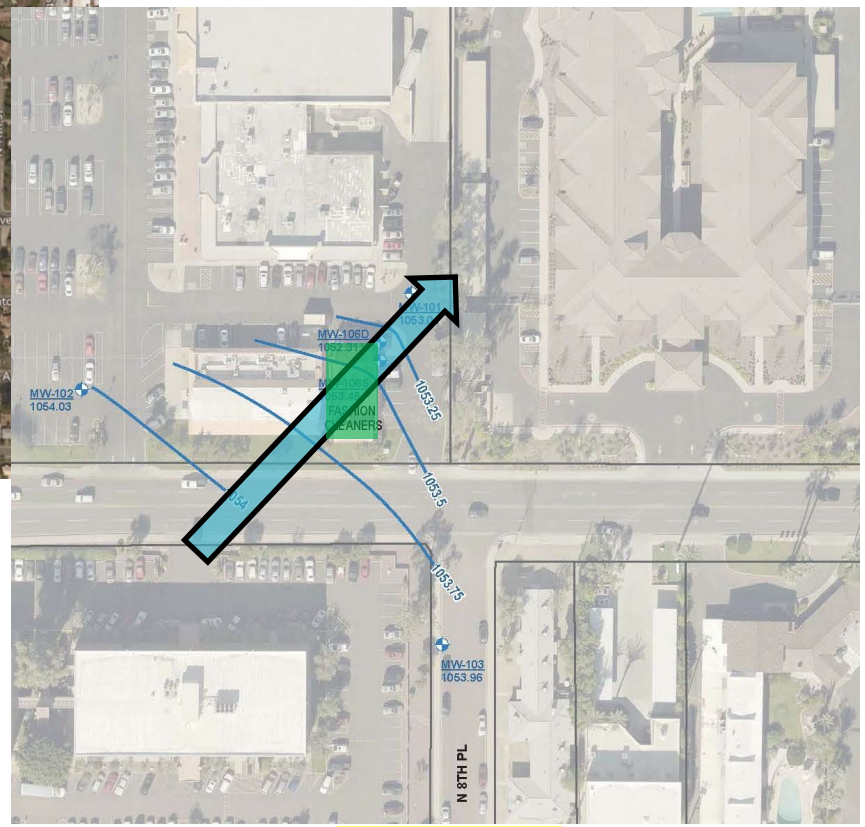
Site Characterization Work – June/December 2018 Sampling



- PCE impacts in groundwater near Fashion Cleaners appears to be limited to the water table and localized.

Fashion Cleaners in Relation to 7th St./Missouri Ave. WQARF

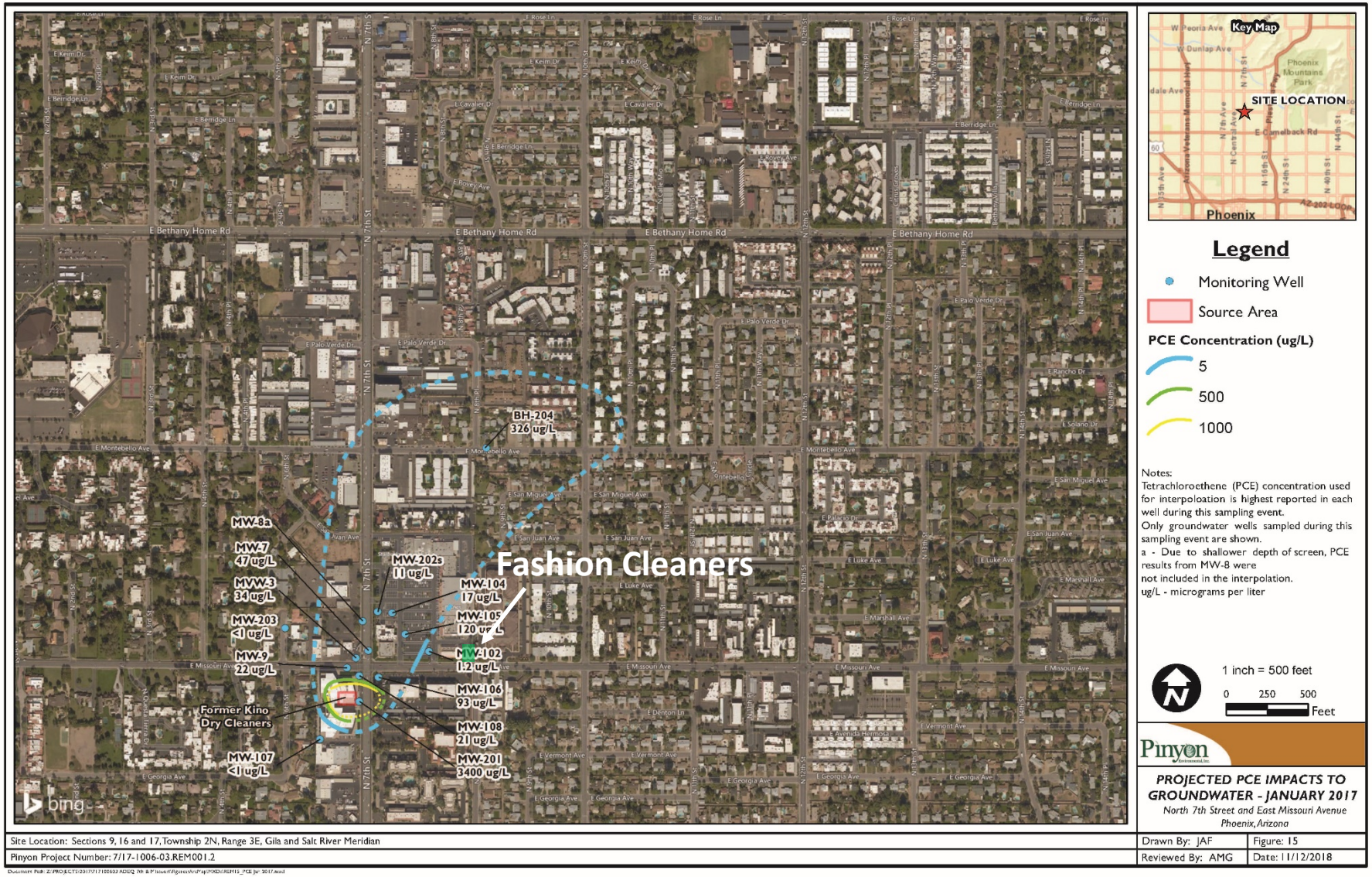
September 2017



July 2018

- Fashion Cleaners is side gradient from former Kino Cleaners;
- Overall flow direction from Fashion Cleaners site characterization consistent with regional flow – overall NE flow direction.

Fashion Cleaners in Relation to 7th St./Missouri Ave. WQARF



- Fashion Cleaners is located near 7th St./Missouri Ave. WQARF PCE plume edge;
- As noted, PCE impacts in groundwater near Fashion Cleaners appears to be limited to the water table and localized;
- Fashion Cleaners and WQARF separated by results at MW-102.

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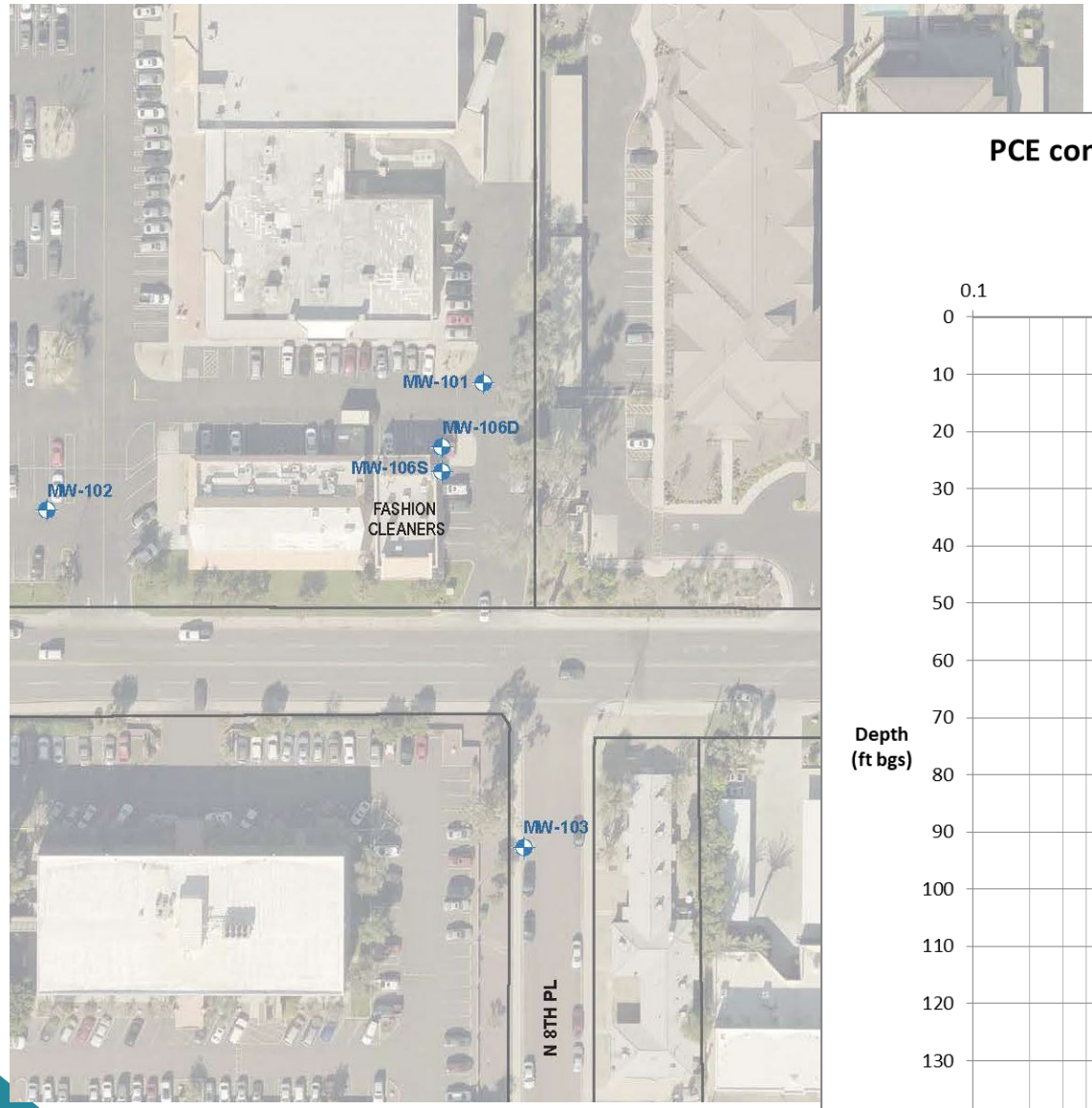
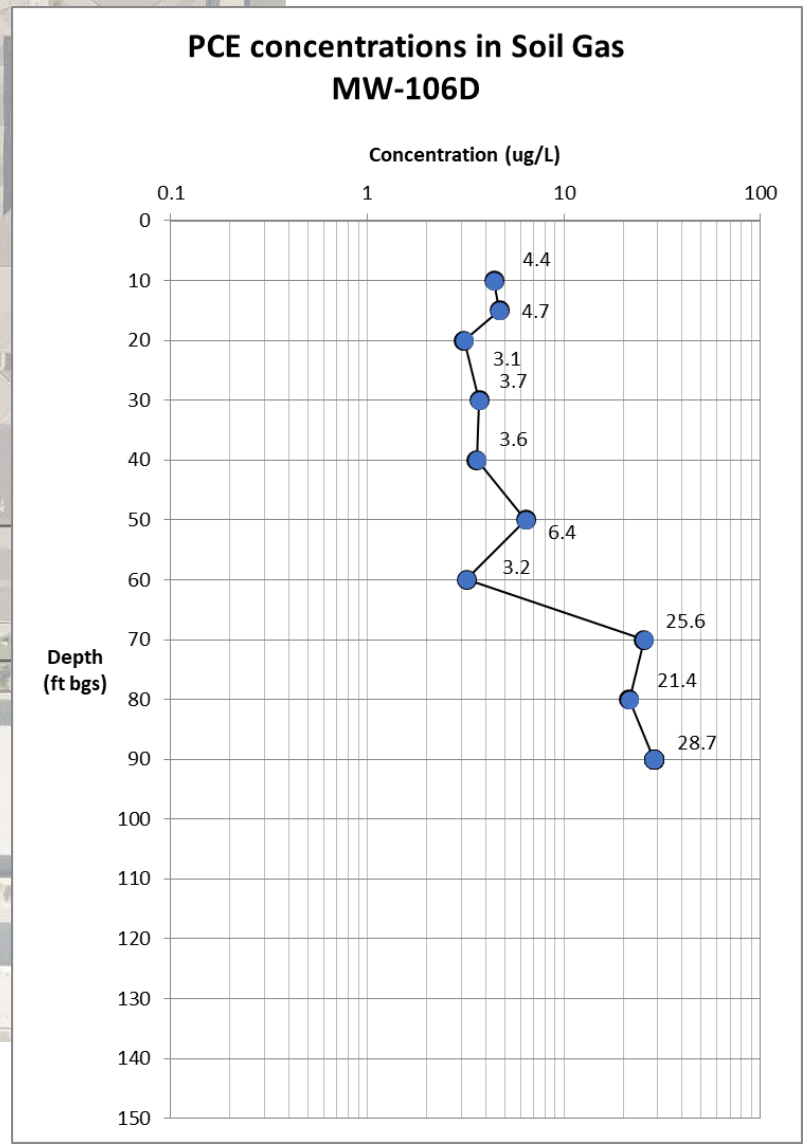
Vapor Intrusion Screening





- VRP contractor performed VI screening using the soil gas result at 10 feet bgs and assuming this concentration was a sub-slab concentration;
- Based on the results, VRP determined that indoor air is not a risk at the Site given the criteria evaluated.

Next Steps

- VRP determined that groundwater has been vertically characterized in the source area;
- At end of 2018, Fashion Cleaners discontinued the use of PCE in dry cleaning operations;
- Continued groundwater monitoring at MW-101, MW-102, MW-103, MW-106S, and MW-106D for the next year; and
- Revise the Site Conceptual Model after one year, as needed.

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