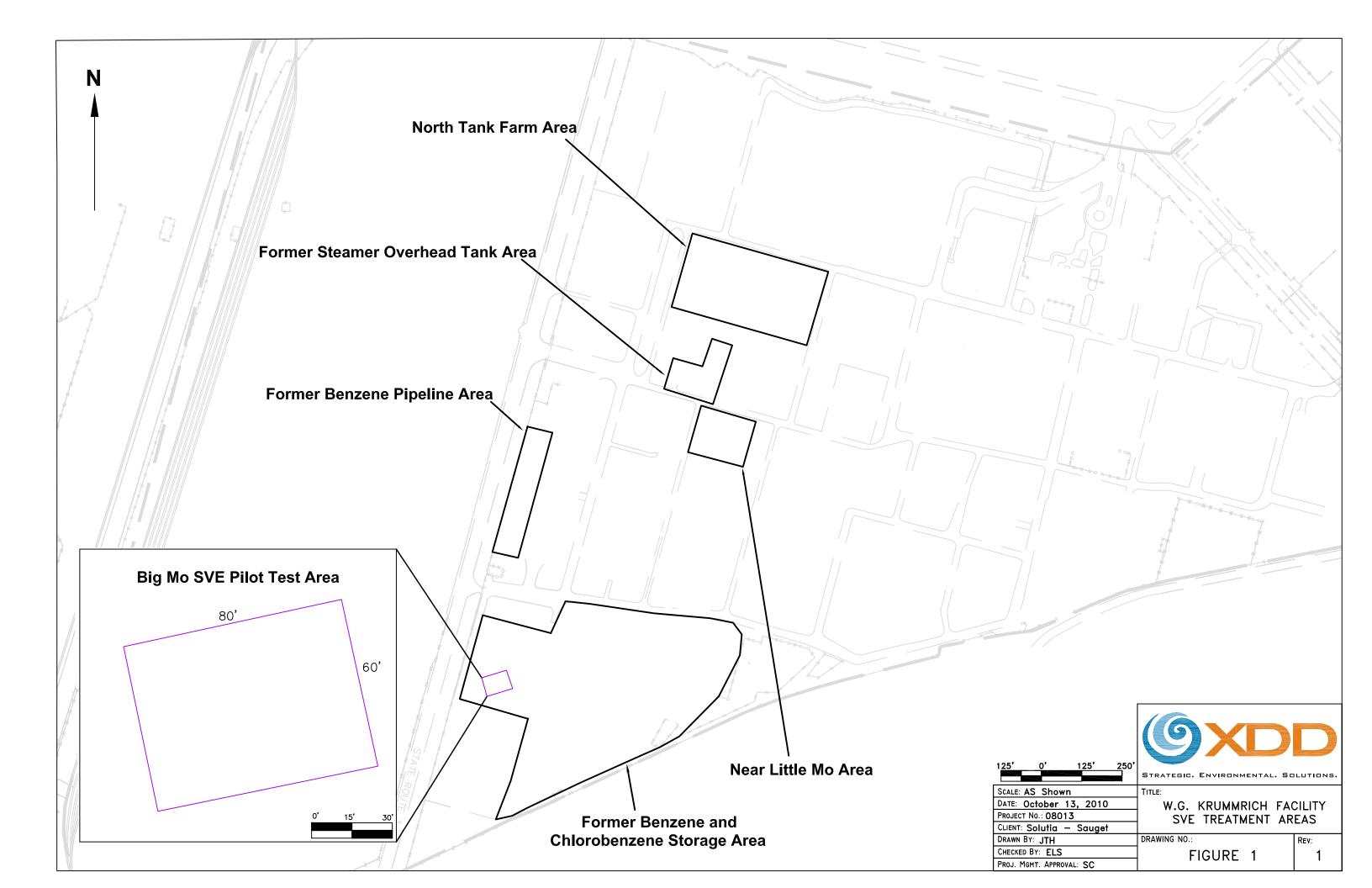
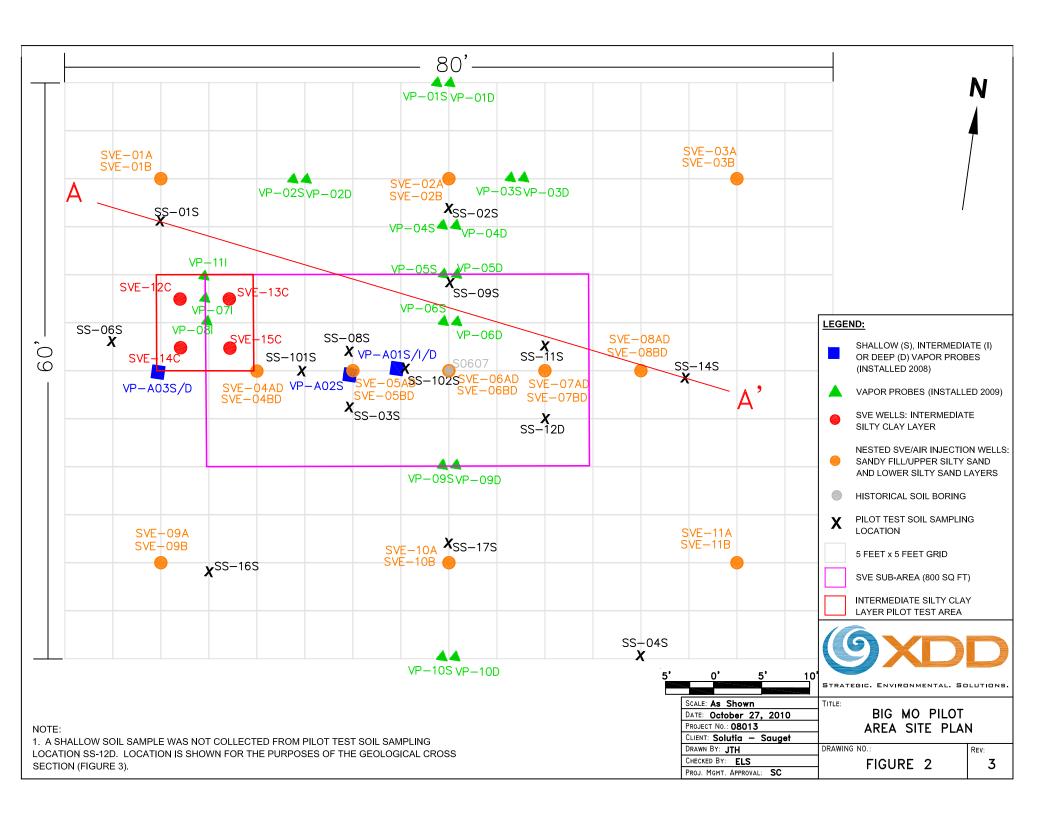
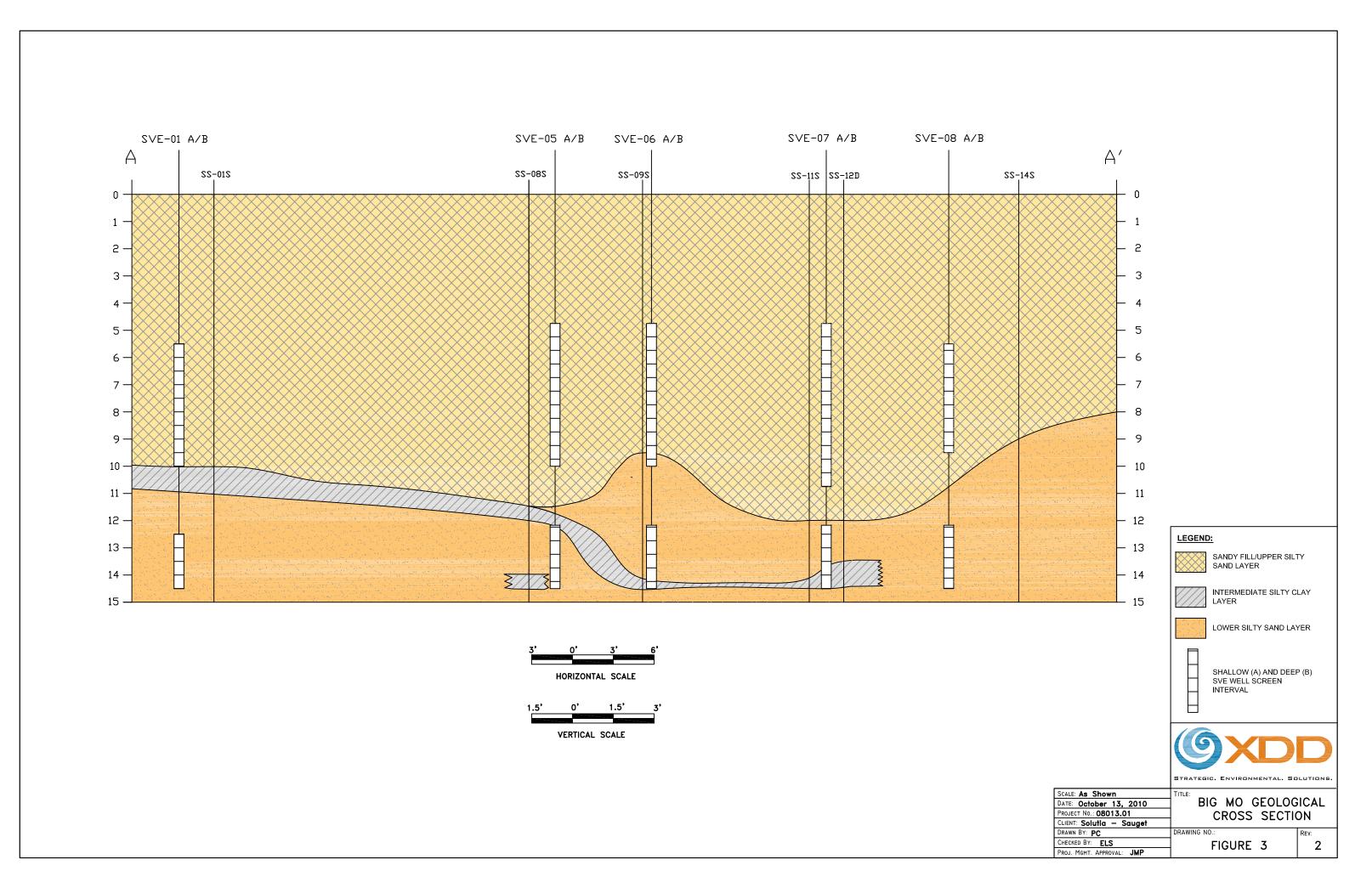
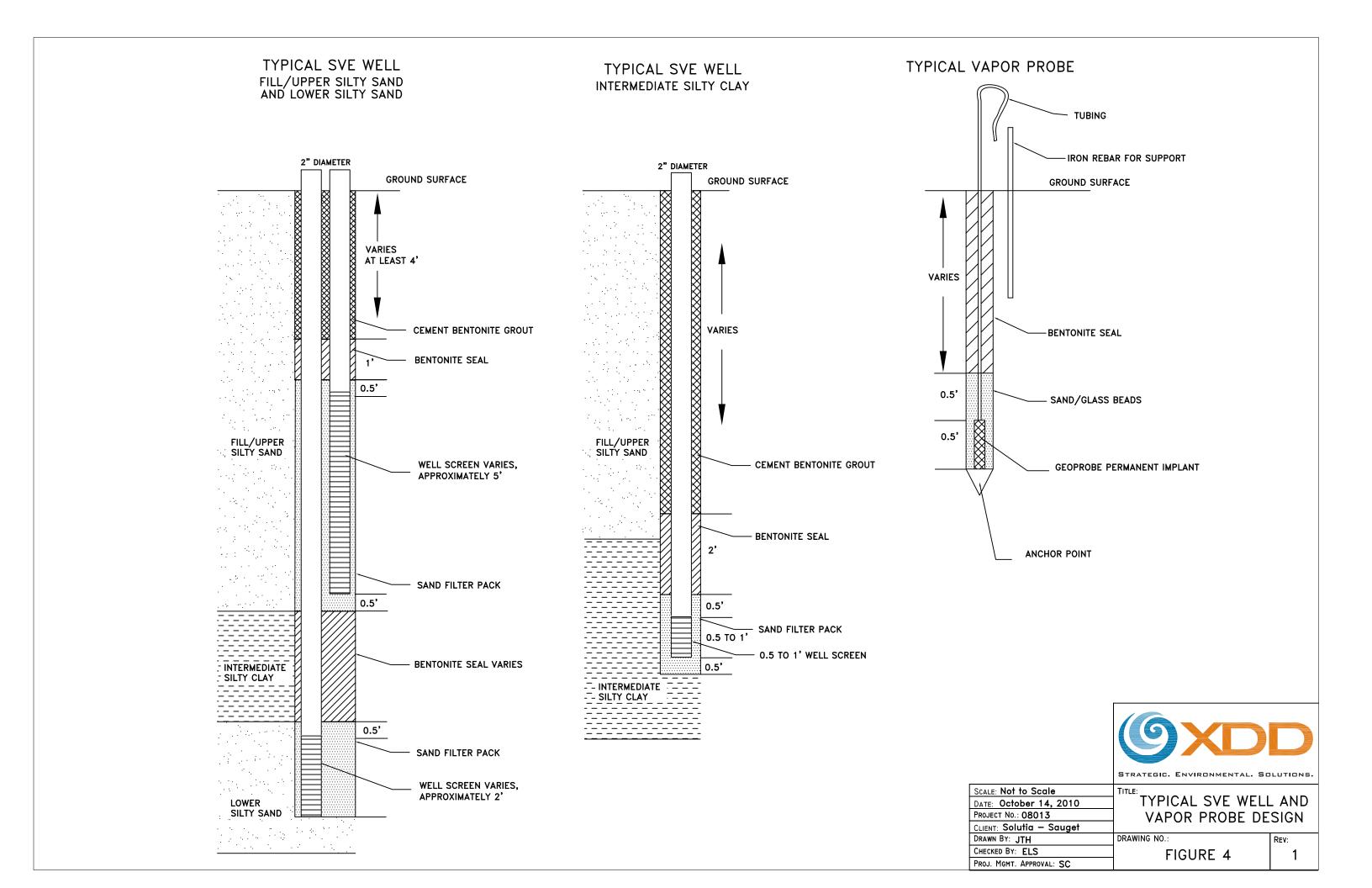
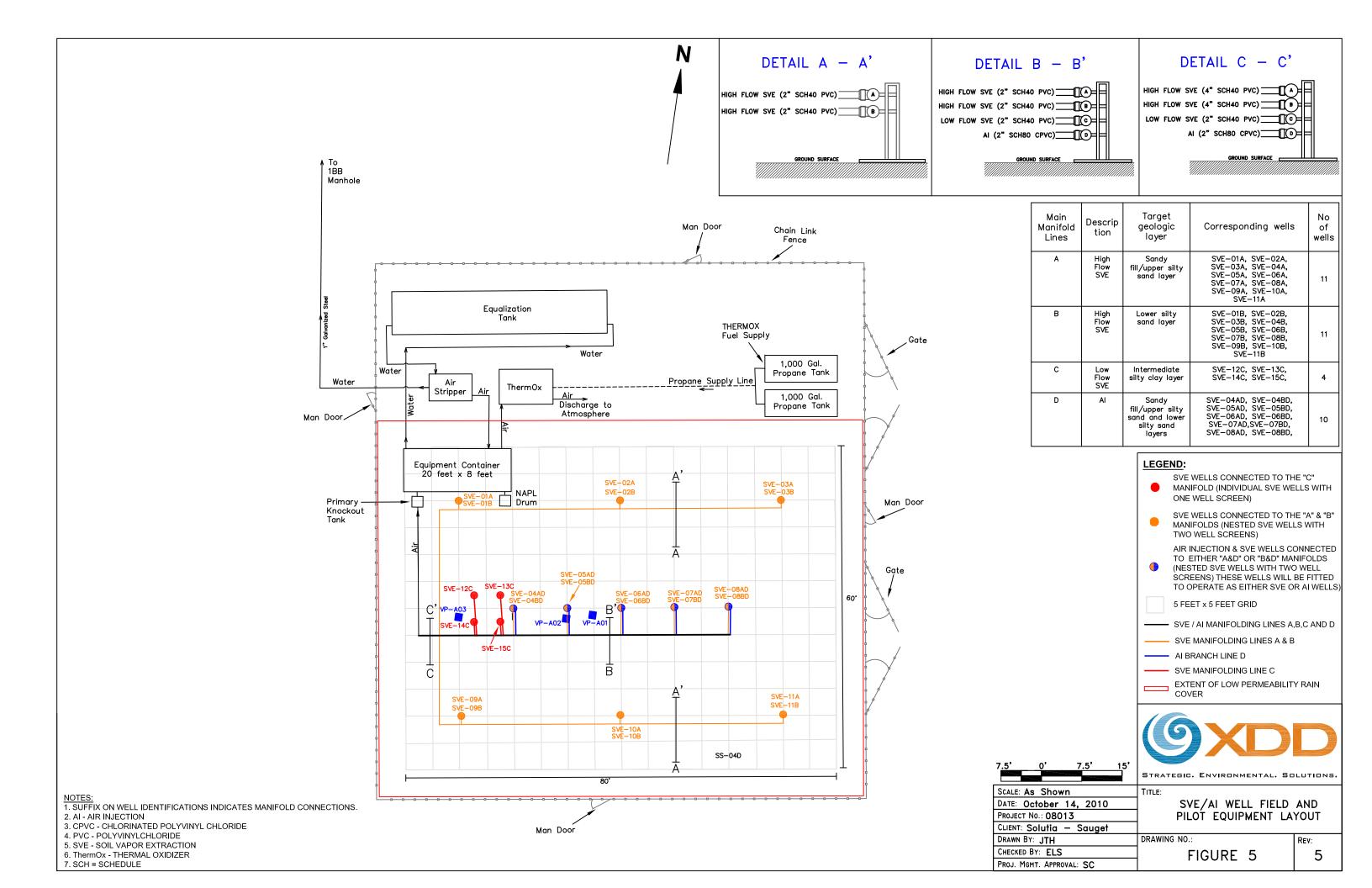
US ERA ARCHIVE DOCUMENT

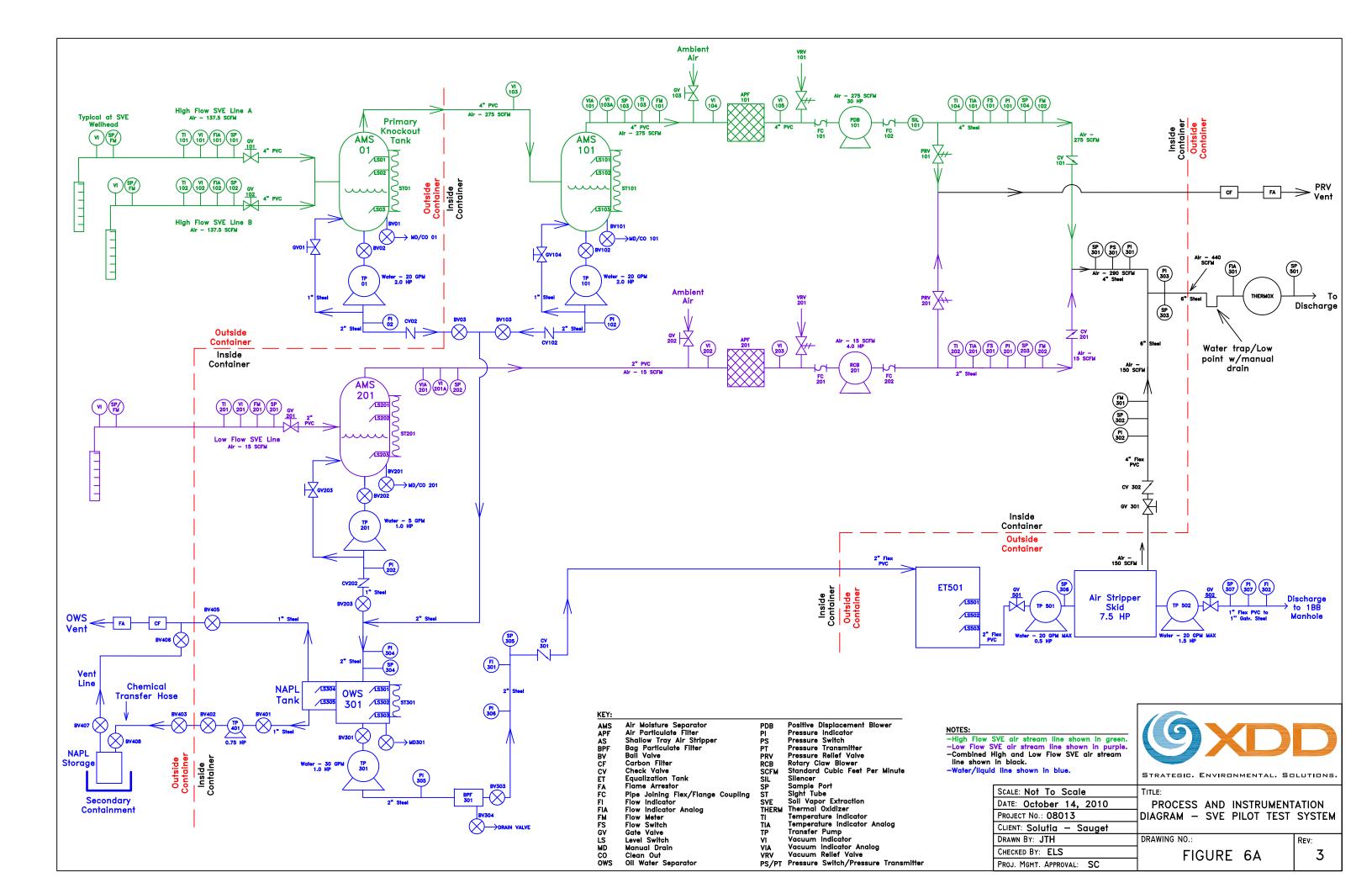












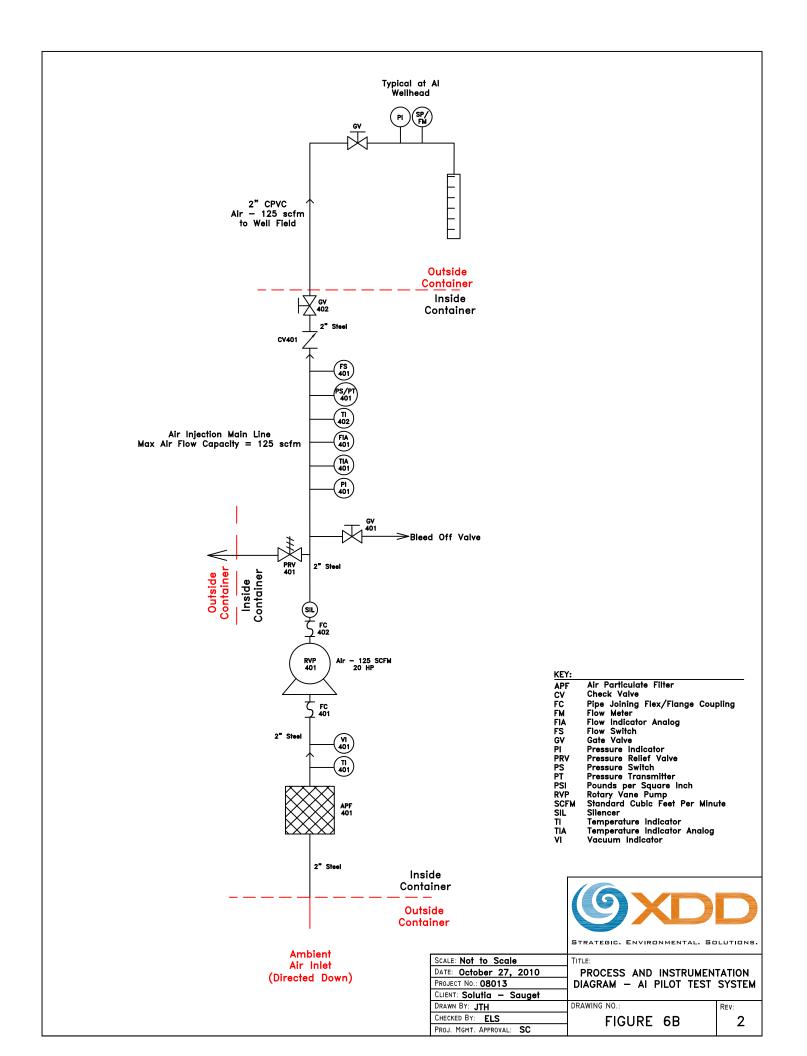
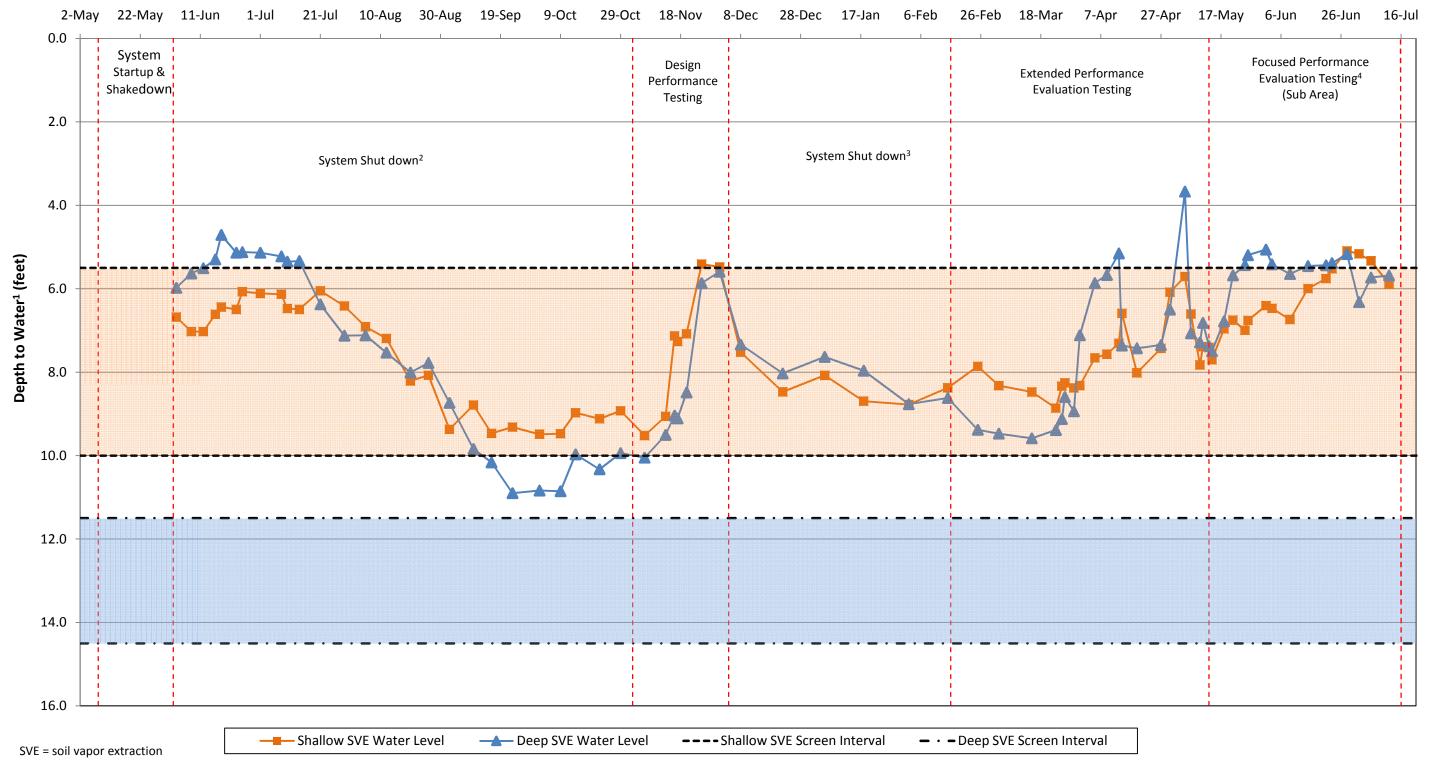


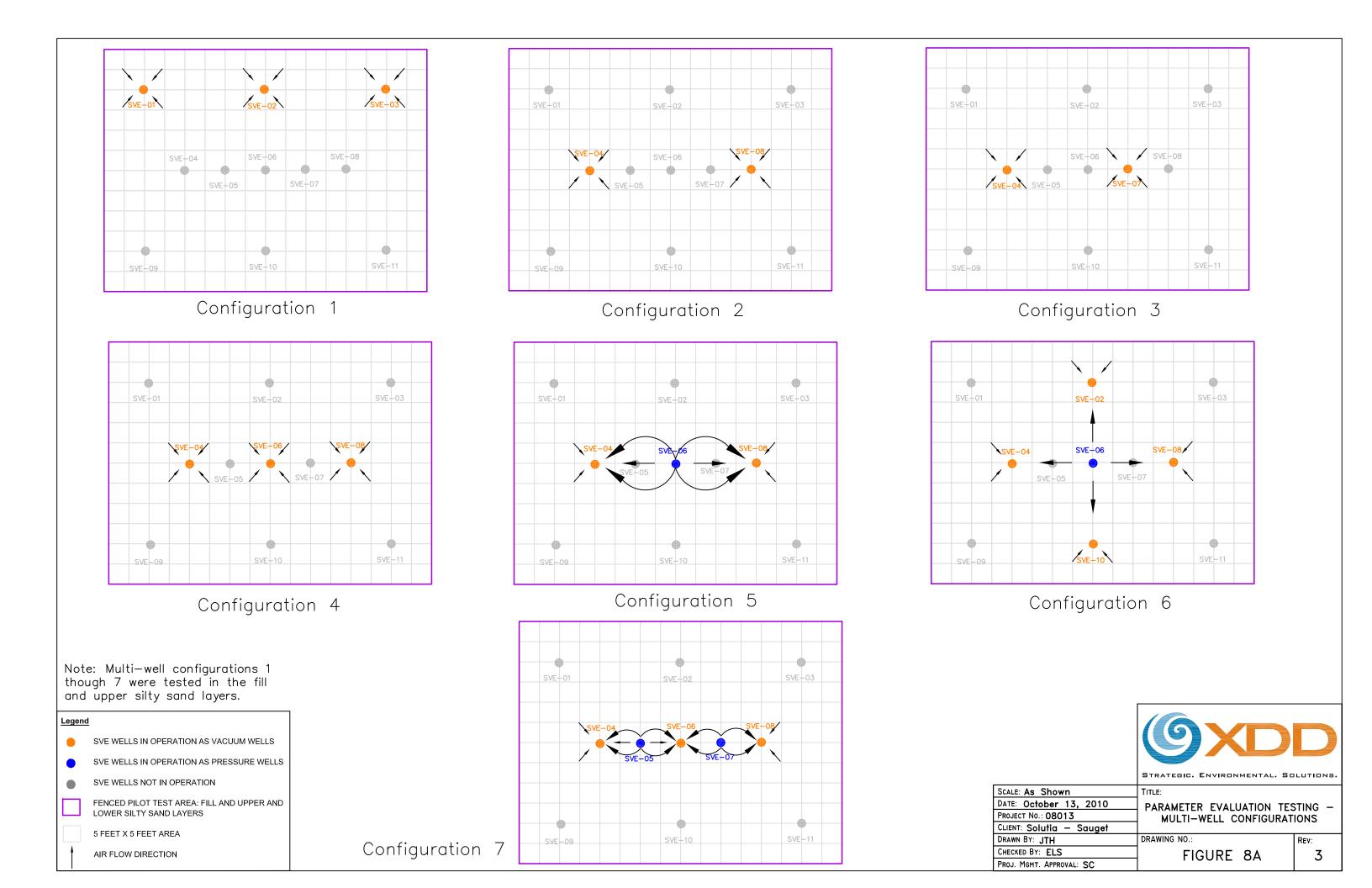
Figure 7
Average Groundwater Levels at Select Soil Vapor Extraction Wells
SVE Pilot Test Report

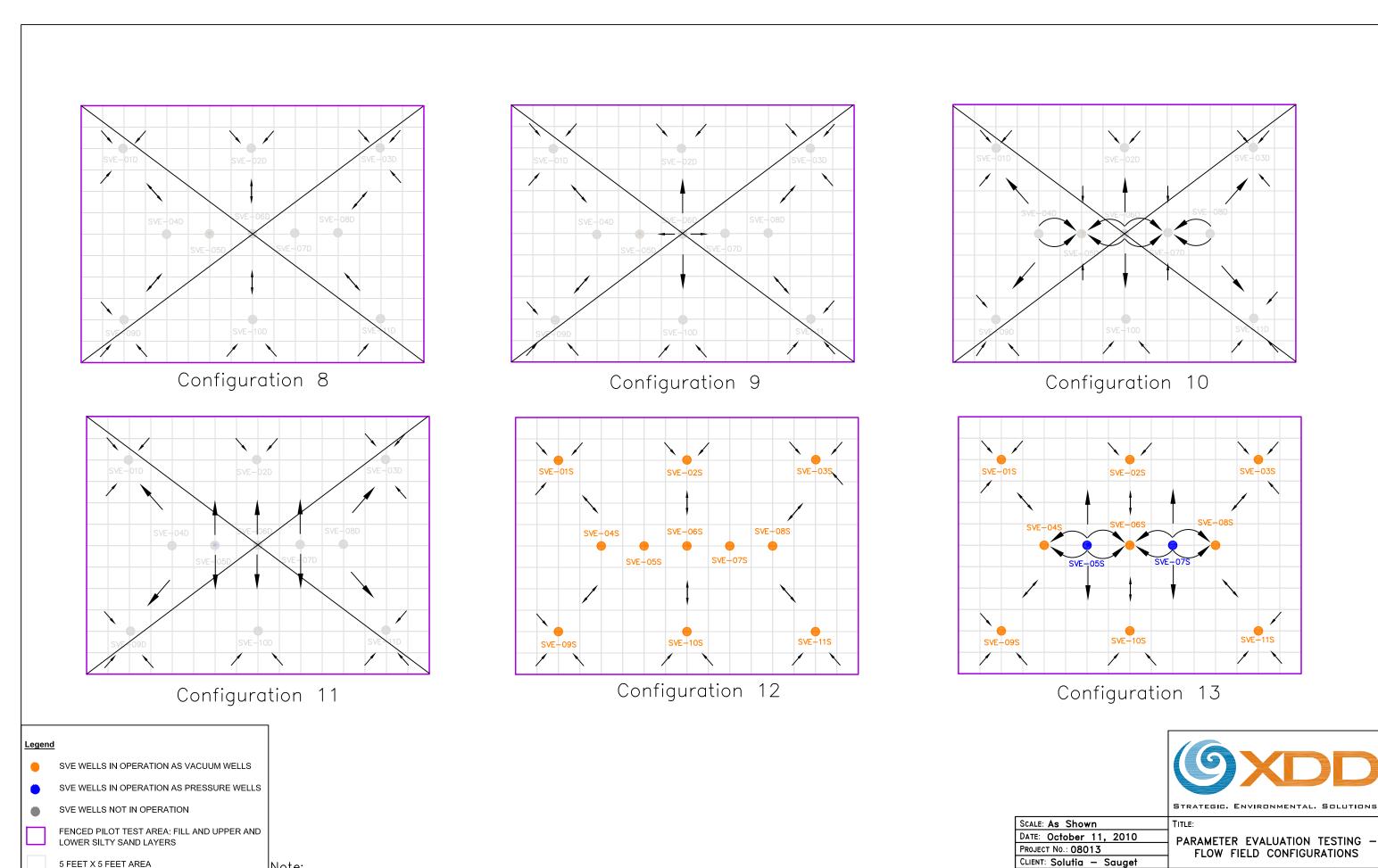
W.G. Krummrich Facility, Sauget, Illinois



Notes:

- 1. The average water levels presented are based on measurements collected at shallow (A) and deep (B) SVE wells SVE-01A/B, SVE-03A/B, SVE-05A/B, SVE-05A/B, SVE-06A/B, SVE-07A/B, SVE-09A/B. SVE-09A/B. SVE-10A/B, and SVE-11A/B. Generally, all available groundwater level data was included in the average calculation unless field observations indicated significant mounding or the presence of product in the well, or the well was operating as an air injection well.
- 2. The system was shut down on June 4, 2009 due to high groundwater levels. By late October 2009, groundwater levels had receded sufficiently to expose the shallow well screens.
- 3. The system was shut down on December 4, 2009 due to a rapidly rising groundwater level. By February 2010 the groundwater levels had receded sufficiently to restart the Extended Performance Evaluation Testing.
- 4. The system was permanently shut down on July 16, 2010 due to sustained high groundwater levels.





1.Multi—well configurations 8 through 11 were the additional well—field configurations for the lower silty sand layer. Due to saturated lower silty sand well screens, these configurations were not tested.

AIR FLOW DIRECTION

DRAWING NO.:

FIGURE 8B

3

DRAWN BY: JTH

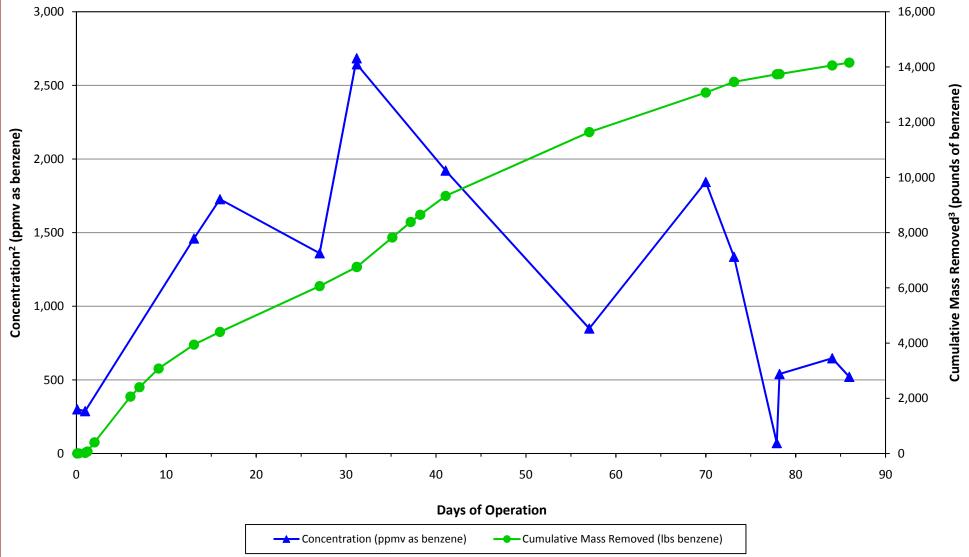
CHECKED BY: ELS

PROJ. MGMT. APPROVAL: SC

Figure 9A
Pilot Area Benzene Concentration and Cumulative Mass Removed

SVE Pilot Test Report

W.G Krummrich Facility, Sauget, Illinois

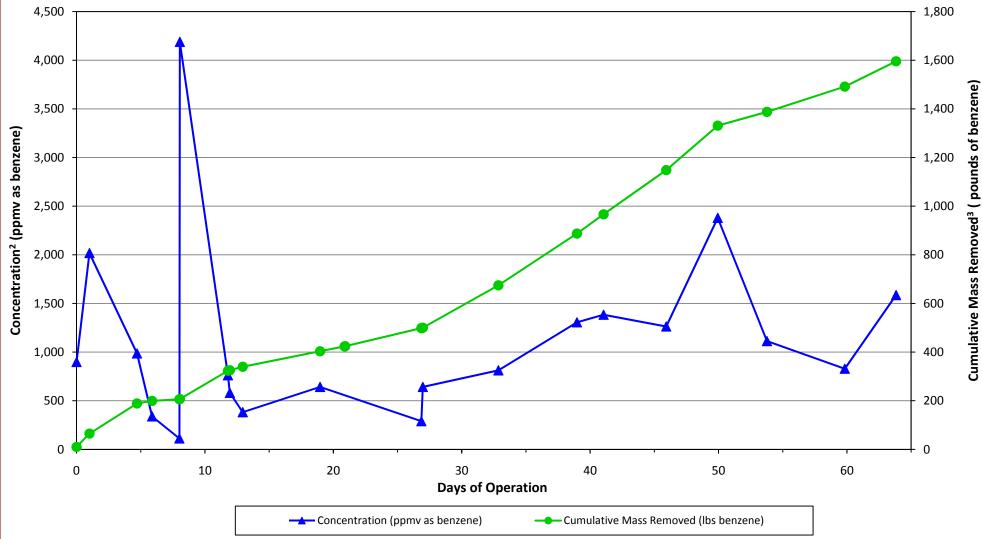


Notes:

- 1. The Soil Vapor Extraction (SVE) Pilot Test was operated from February 16, 2010 to May 13, 2010. This chart represents the cumulative mass removed and the change in benzene concentration.
- 2. Soil vapor samples were collected from the combined total system and screened in the field for total volatile organic compounds using a photoionization detector. Results were reported as parts per million by volume (ppmv) as benzene.
- 3. The cumulative mass removed calculation is based the combined total system vapor concentration.

Figure 9B
Sub Area Benzene Concentration and Cumulative Mass Removed¹
SVE Pilot Test Report

W.G. Krummrich Facility, Sauget Illinois



Notes:

- 1. The Soil Vapor Extraction (SVE) Pilot Test was reconfigured on May 13, 2010 to focus treatment on a less impacted area and operated through July 16, 2010. This chart represents the cumulative mass removed and the change in benzene concentration since the reconfiguration.
- 2. Soil vapor samples were collected from Line A and screened in the field for total volatile organic compounds using a photoionization detector. Results were reported as parts per million by volume (ppmv) as benzene.
- 3. The cumulative mass removed calculation is based on either Line A (well field only) or combined total system vapor concentration.