



# **MEETING AGENDA**

Date: August 28, 2014  
Time: 9:30 to 11:00 am

Site: 1187 Solano, Albany (ACEH SLIC Case RO0002857)

Attendees: ACEH Case Worker Mark Detterman  
ACEH Supervisor Dilan Roe  
RP Representative Tony Kershaw  
Consultant Bob Clark-Riddell of Pangea Environmental

---

1. **MEETING GOAL** - Outline Pathway and Schedule for Closure

2. **DISCUSS RECENT DATA GAP ASSESSMENT AND REMEDIATION**

- a. Soil Excavation per CAP
- b. Plume Stability and Delineation (Offsite Wells and New Onsite Wells)
- c. Soil Gas Sampling (1191 Hot Spot Gone)(Hot Spot at 1187 Mitigated)

3. **DATA SUPPORTING CASE CLOSURE**

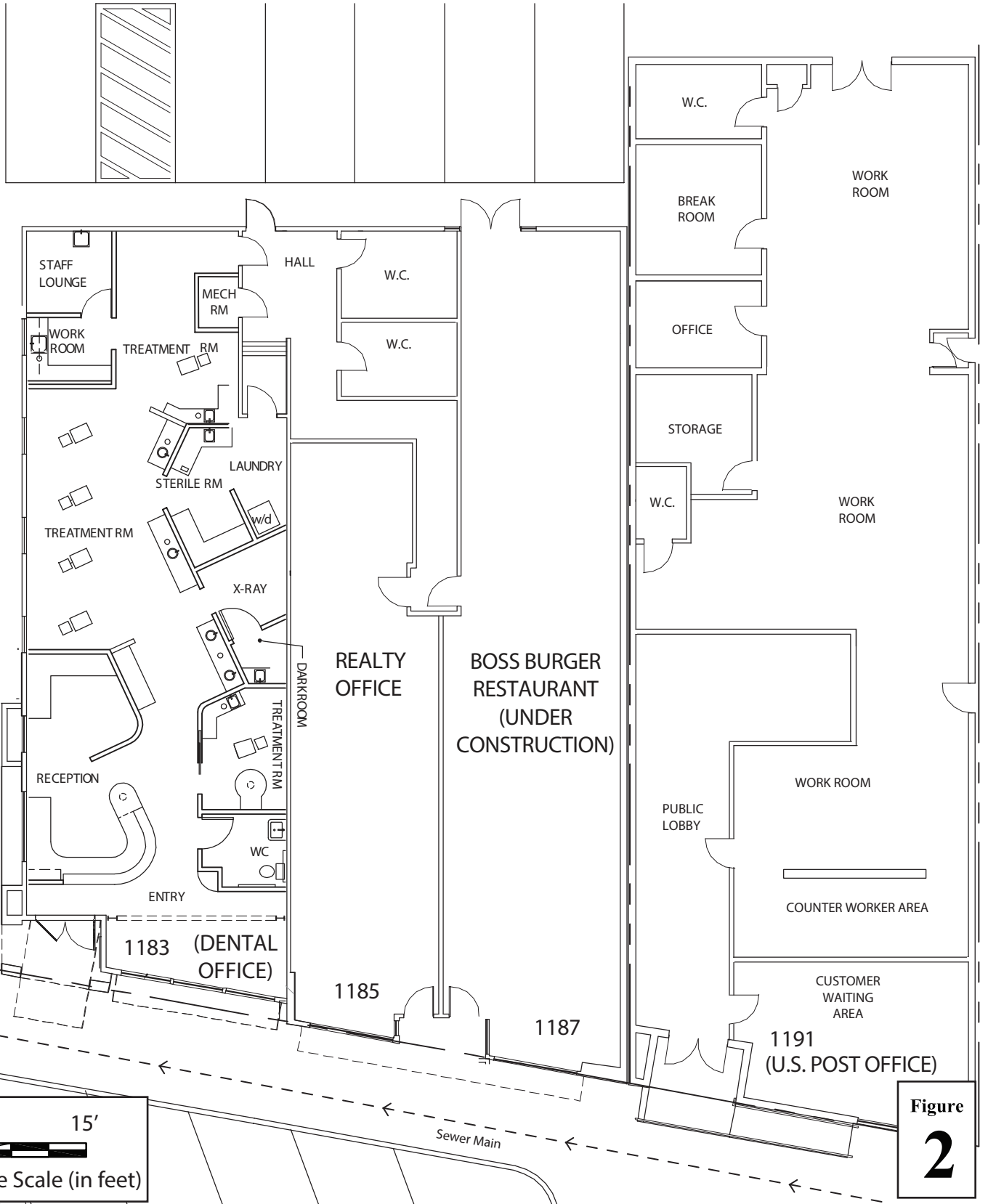
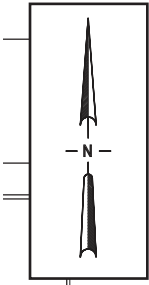
- a. All Soil Removed to Residential ESLs
- b. All Indoor Air Below or Near Residential ESLs at 1185, 1187 and 1191 Solano (1183 Below Commercial)
- c. Groundwater Plume Stable and/or Decreasing. (Maximum PCE concentration near range that 80% of Low Threat Chlorinated Cases were closed.)
- d. Soil Gas Concentrations below Commercial ESLs for all Units, except for one spot (1187S) that is mitigated by the extensive passive subslab ventilation system.
- e. Corrective action completed in general accordance with DTSC and RWQCB guidelines

4. **PATHWAY TO CLOSURE**

- a. **Implement O&M Plan - Conduct 3Q Monitoring**
- b. **Submit Data Gap Assessment Report including 3Q Data and Closure Request**
- c. **Agency Notifies Public of Intent to Close** (If 3Q sampling results consistent).
- d. **Monitoring Contingency** - Perform another round of monitoring during the closure notification period if required for additional data.

5. **FINAL COMMENTS AND ACTION ITEMS**

**EXPLANATION**  
All Single Story Units



0' 15'



Approximate Scale (in feet)

**Figure**  
**2**

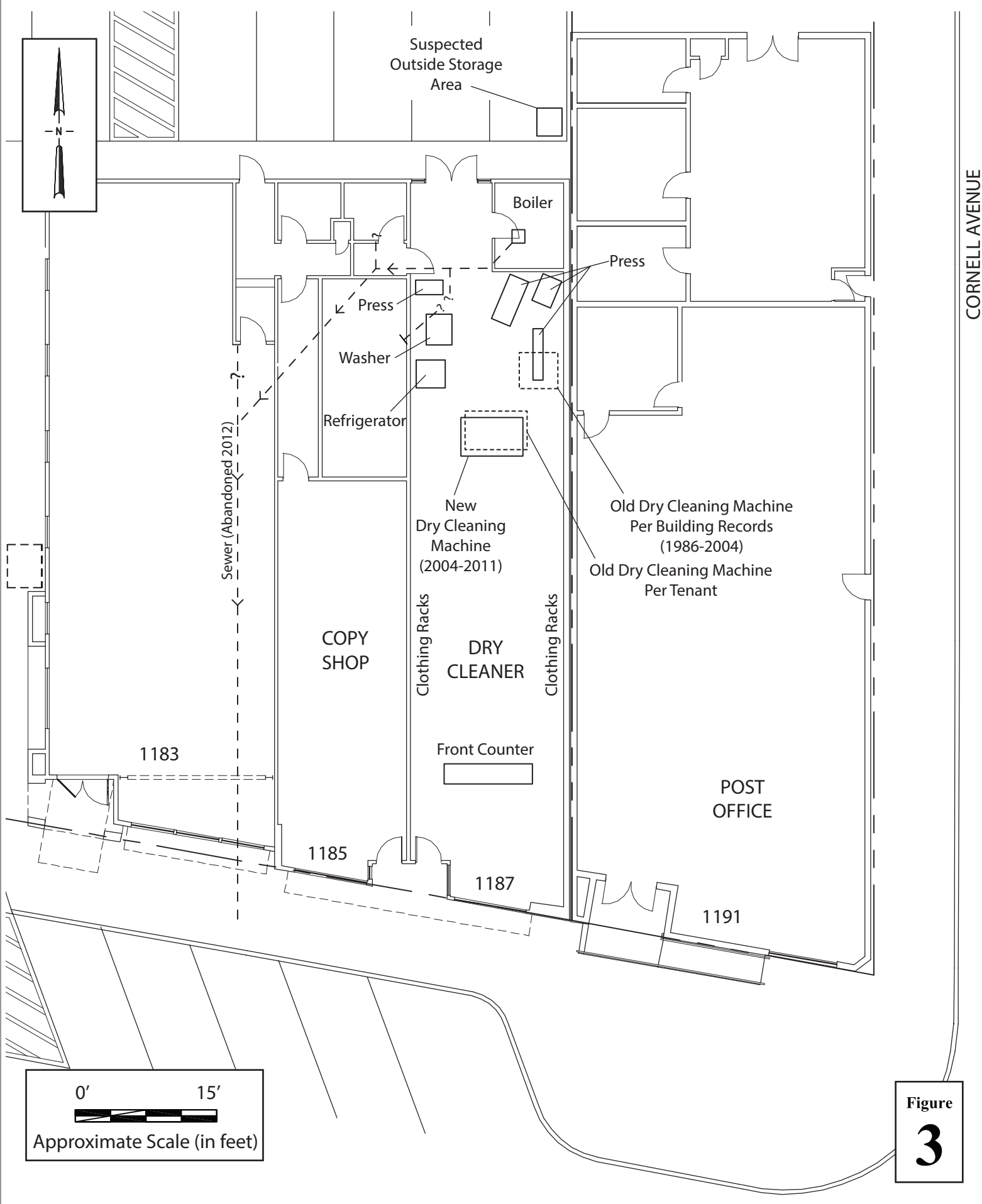
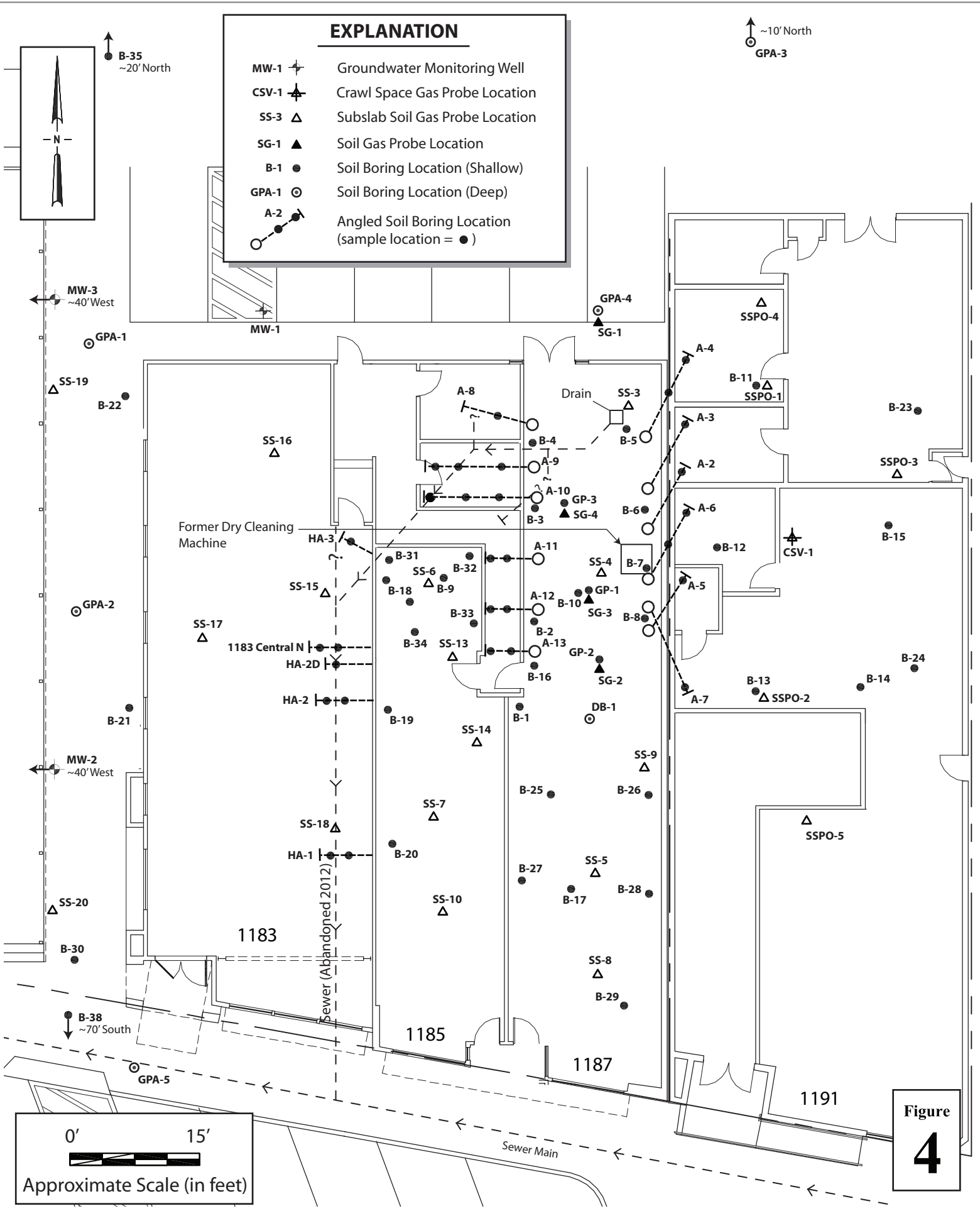
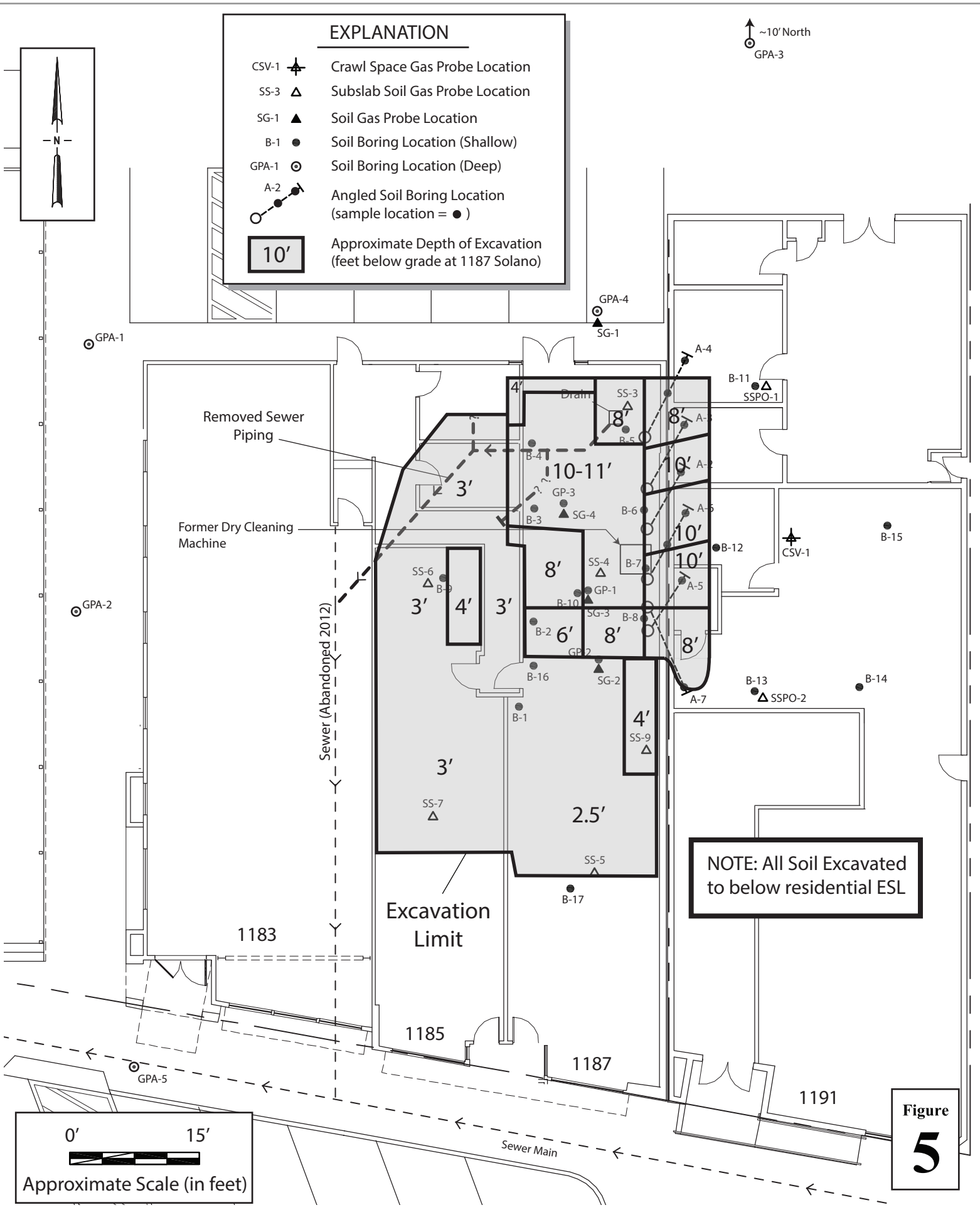


Figure  
**3**





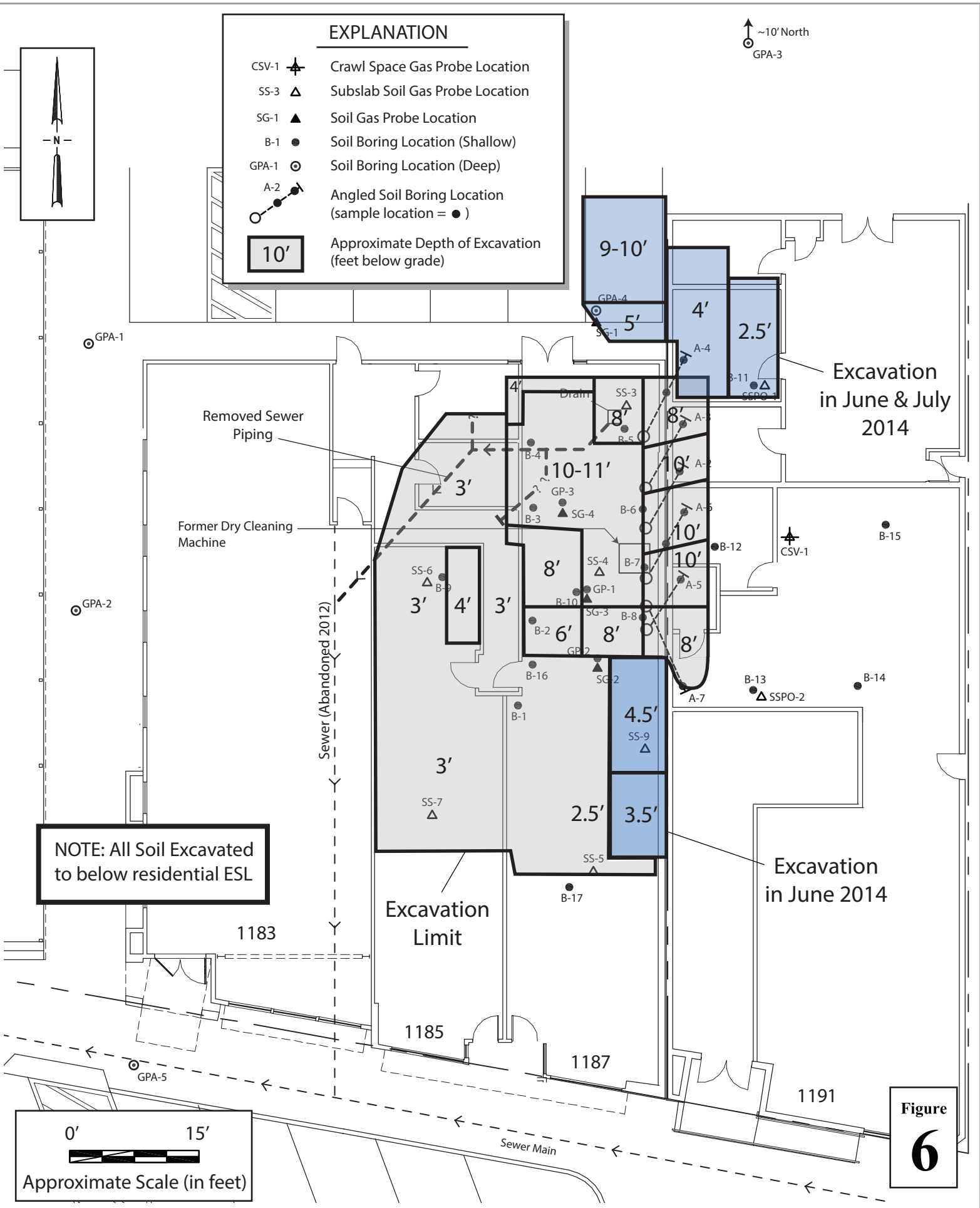





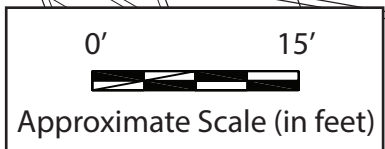
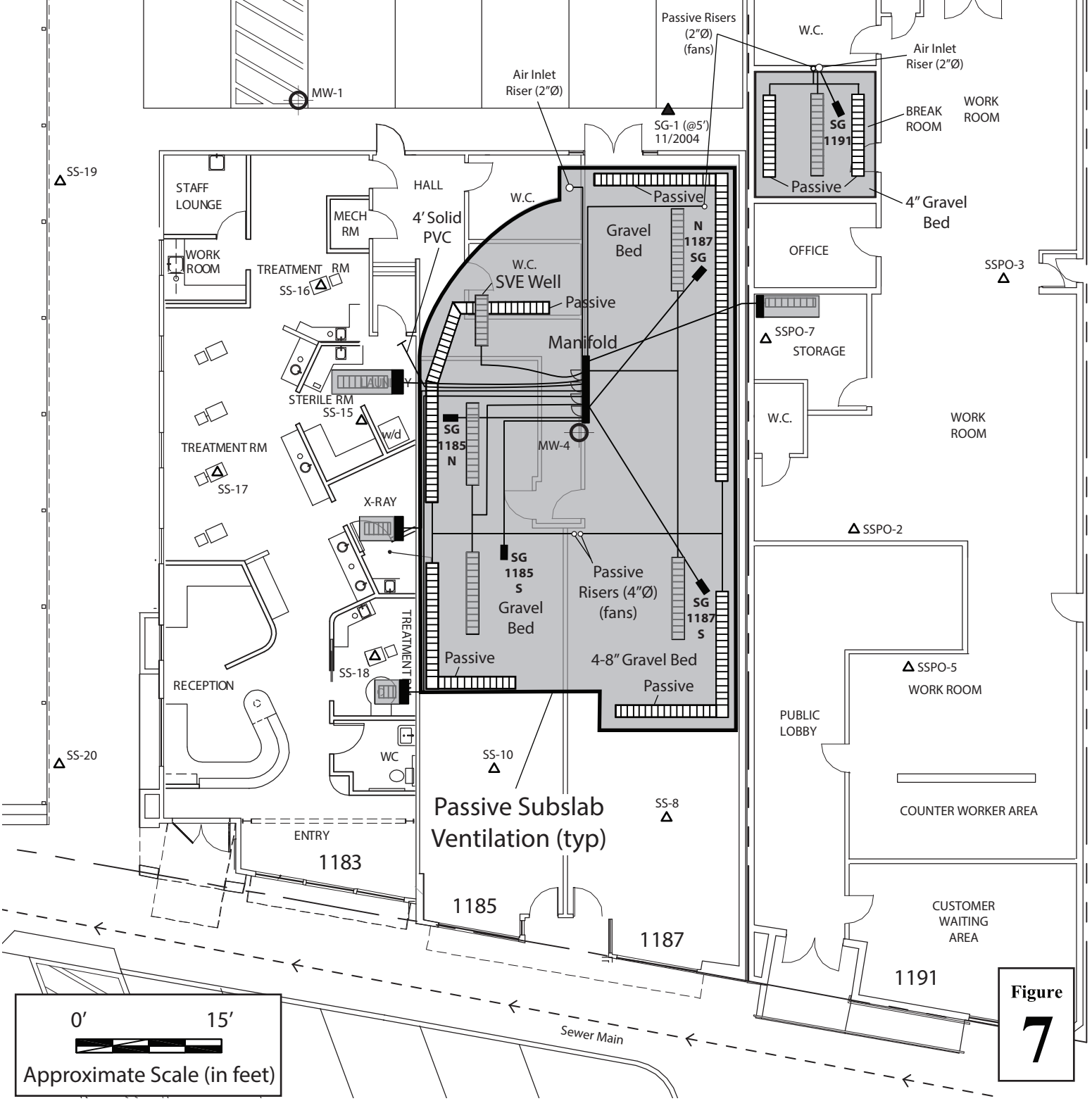
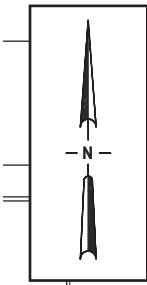


Figure  
**6**

### EXPLANATION










-  Passive Vent Piping to Roof fan (4" Ø Slotted PVC)
-  Passive Air Inlet Piping
-  SG Soil Gas Probes (1" Ø Slotted PVC)
-  SS-8 Subslab Gas Probe
-  MW-1 Groundwater Monitoring Well



**Figure**  
**7**



# EXPLANATION

-  Active or Passive Vent Piping
-  Passive Vent Piping (4" Ø Slotted PVC)
-  SG Soil Gas Probes (1" Ø Slotted PVC)
-  SS-8 Subslab Gas Probe
-  MW-1 Groundwater Monitoring Well
-  Sanitary Sewer Underground Piping
-  Electrical Underground Piping
-  Sanitary Sewer Cleanout
-  Sealed Plumbing Penetration

850

PCE Concentration in Subslab Gas ( $\mu\text{g}/\text{m}^3$ ), March 13, 2014 (unless otherwise noted)

NOTE: All **subslab gas** concentrations are below the RWQCB environmental screening level for commercial site use of **2,100  $\mu\text{g}/\text{m}^3$** , except SSPO-4 and SG 1187S.

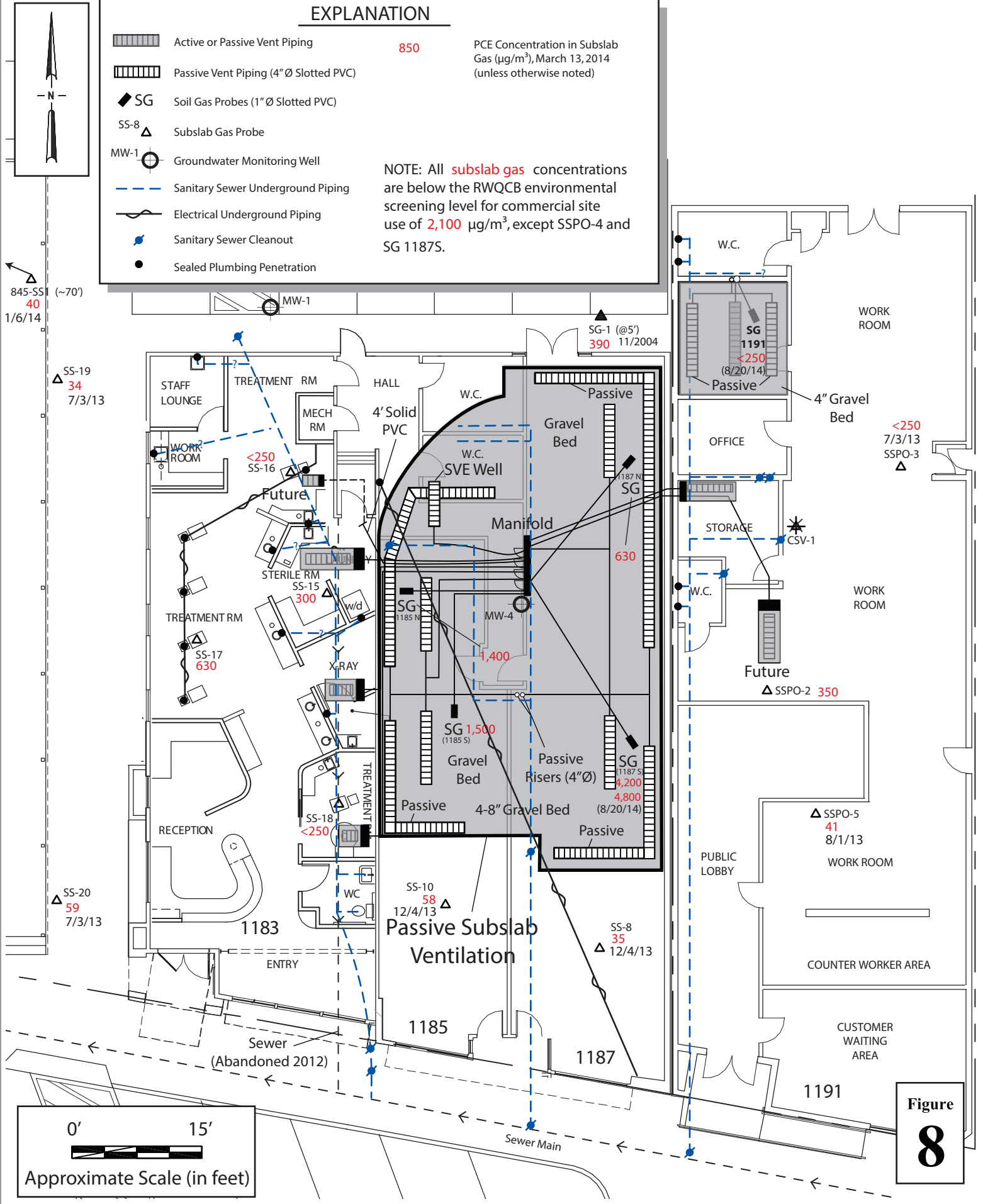
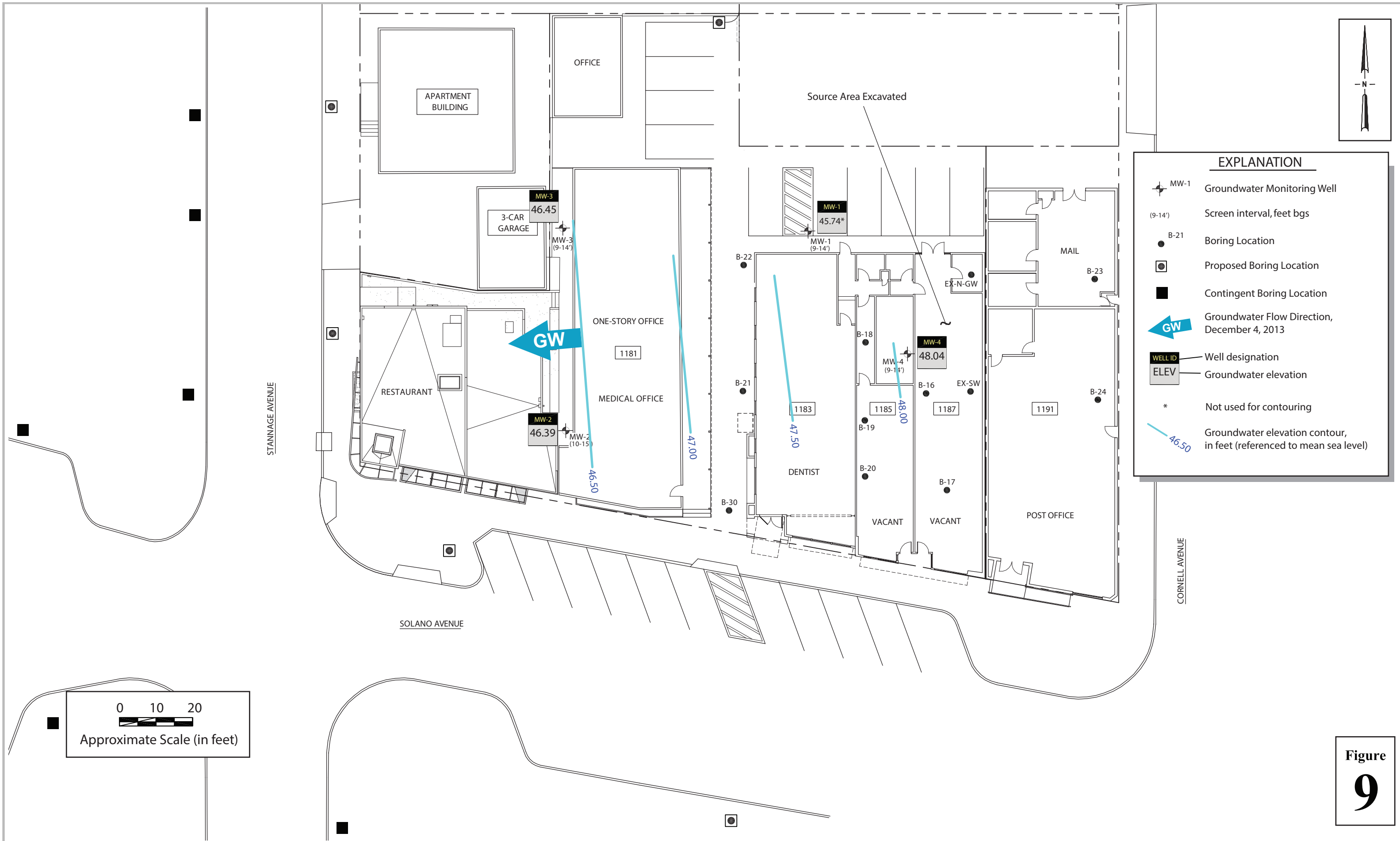
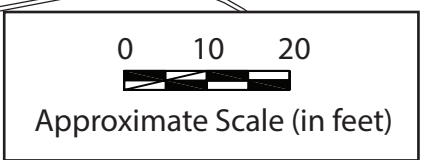


Figure  
**8**



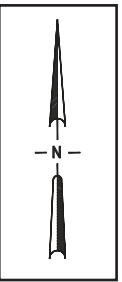
**EXPLANATION**

- MW-1 Groundwater Monitoring Well
- (9-14') Screen interval, feet bgs
- B-21 Boring Location
- Proposed Boring Location
- Contingent Boring Location
- Groundwater Flow Direction, December 4, 2013
- Well designation
- Groundwater elevation
- \* Not used for contouring
- Groundwater elevation contour, in feet (referenced to mean sea level)

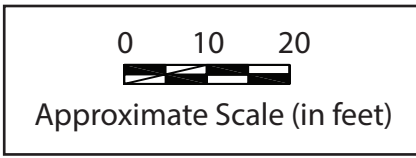
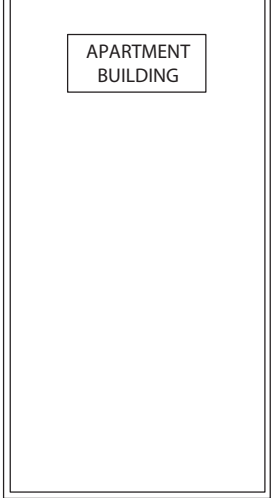
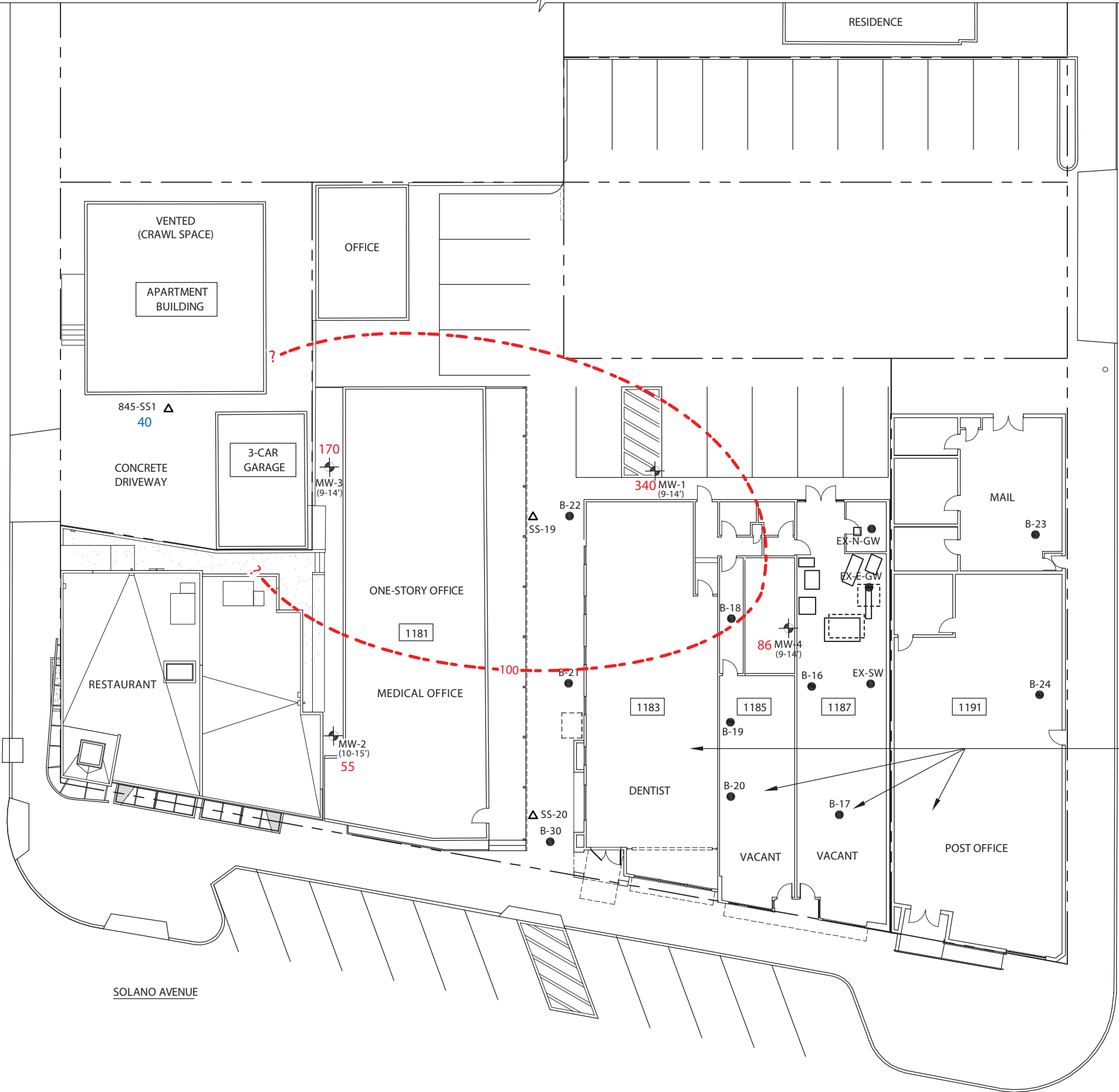


**Figure**  
**9**

EXPLANATION	
	Groundwater Monitoring Well
(9-14')	Screen interval, feet bgs
	Boring Location
	Outdoor Subslab Gas Probe
48	PCE Concentration in Groundwater ( $\mu\text{g/L}$ )
	PCE Isoconcentration Contour in Groundwater ( $\mu\text{g/L}$ )
40	PCE Concentration in Subslab Gas ( $\mu\text{g/m}^3$ )



Estimated Groundwater Flow Direction

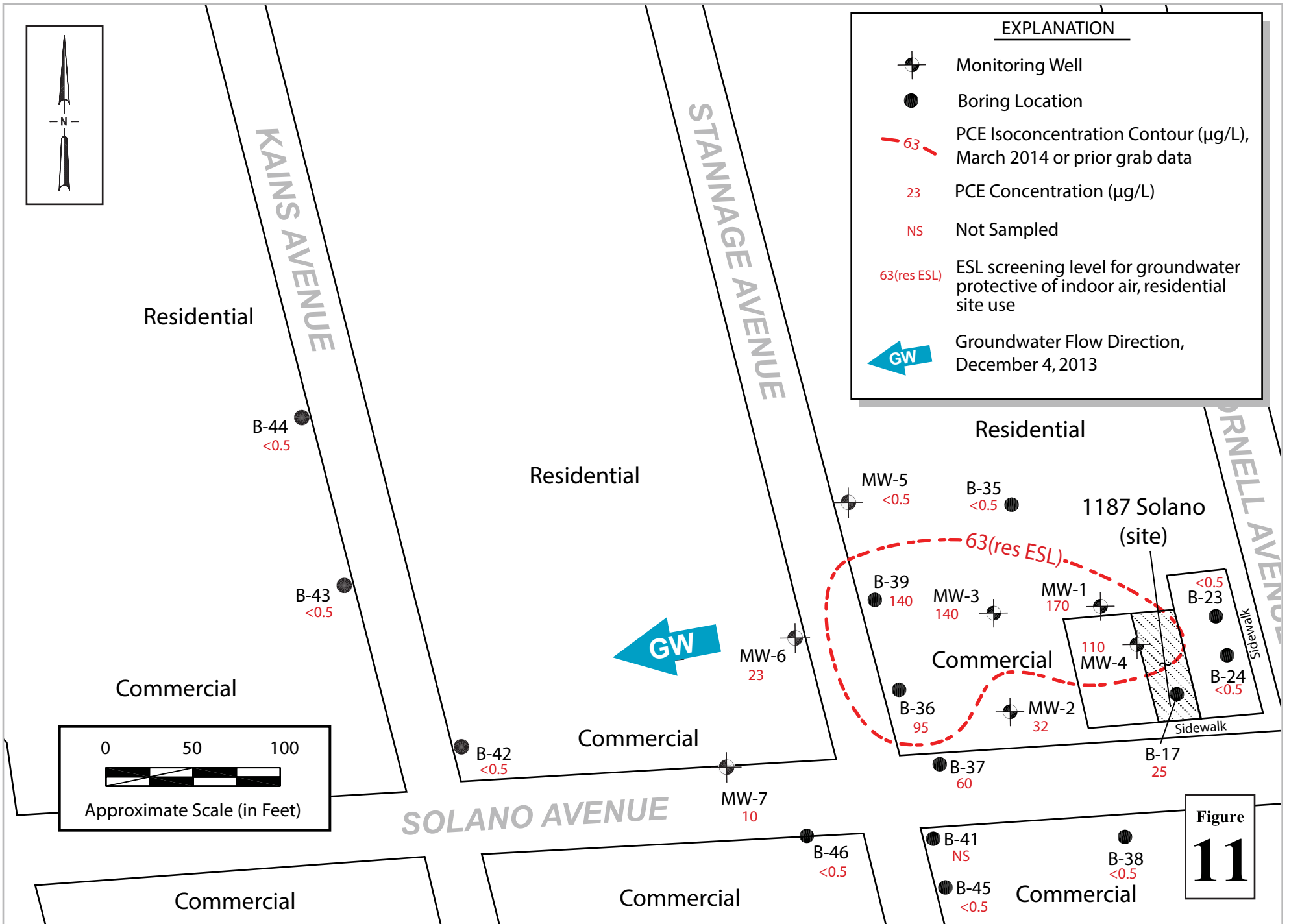


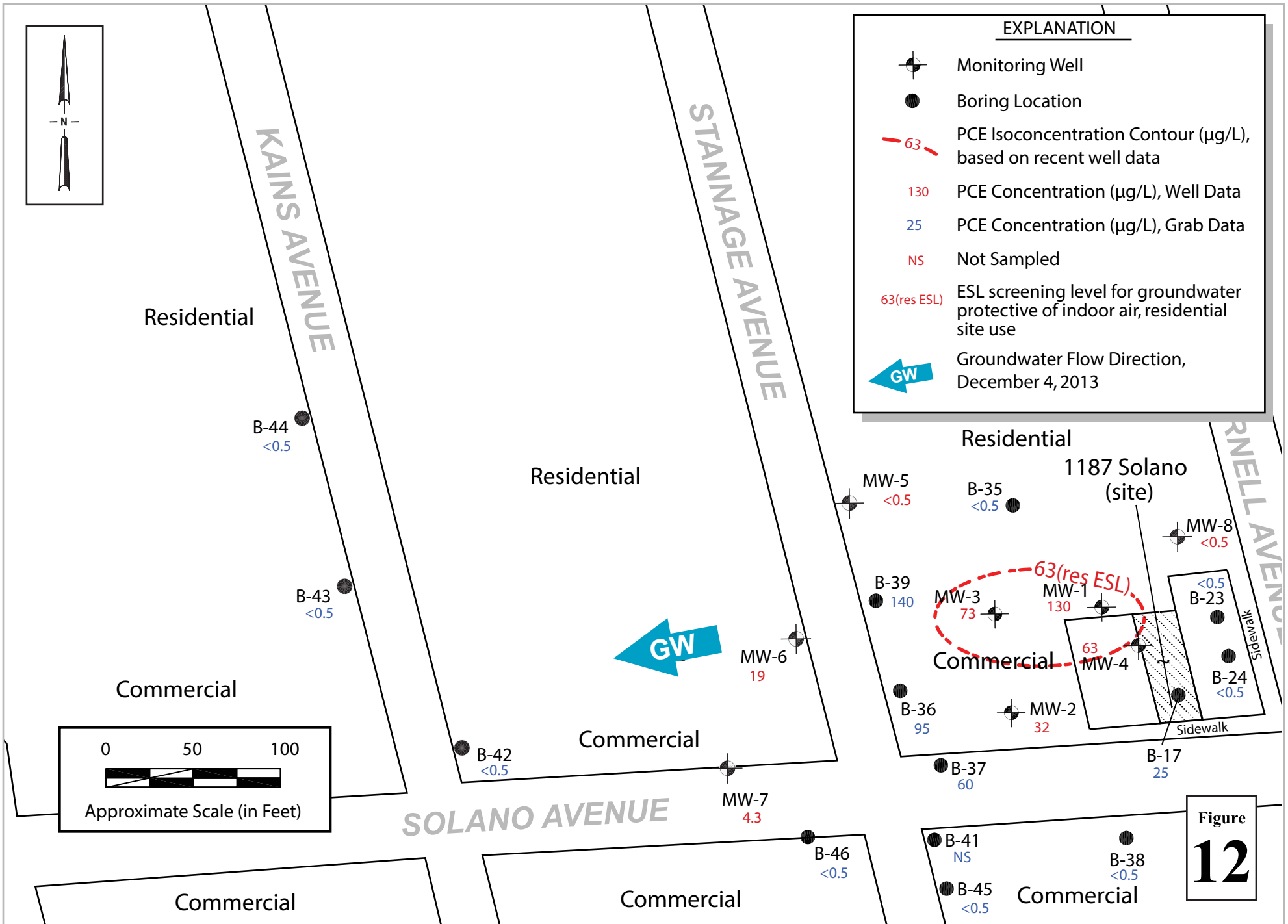
CORNELL AVENUE

SINGLE STORY COMMERCIAL BUILDING










SOLANO AVENUE



Figure  
**10**



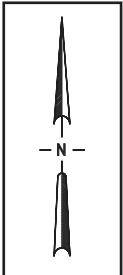


### EXPLANATION

-  Active or Passive Vent Piping
-  Passive Vent Piping (4" Ø Slotted PVC)
-  SG Soil Gas Probes (1" Ø Slotted PVC)
-  SS-8 Subslab Gas Probe
-  MW-1 Groundwater Monitoring Well
-  Sanitary Sewer Underground Piping
-  Electrical Underground Piping
-  Sanitary Sewer Cleanout
-  Sealed Plumbing Penetration

-  ★ 24 Indoor Air Sample Location (Hour Duration)
-  0.45 PCE Concentration in Indoor Air,  $\mu\text{g}/\text{m}^3$

NOTE: All indoor air concentrations are below the RWQCB environmental screening level for commercial site use of  $2.1 \mu\text{g}/\text{m}^3$ .



★ 24  
0.058  
(Tree/  
Ambient)

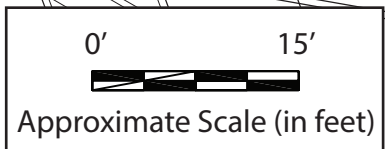
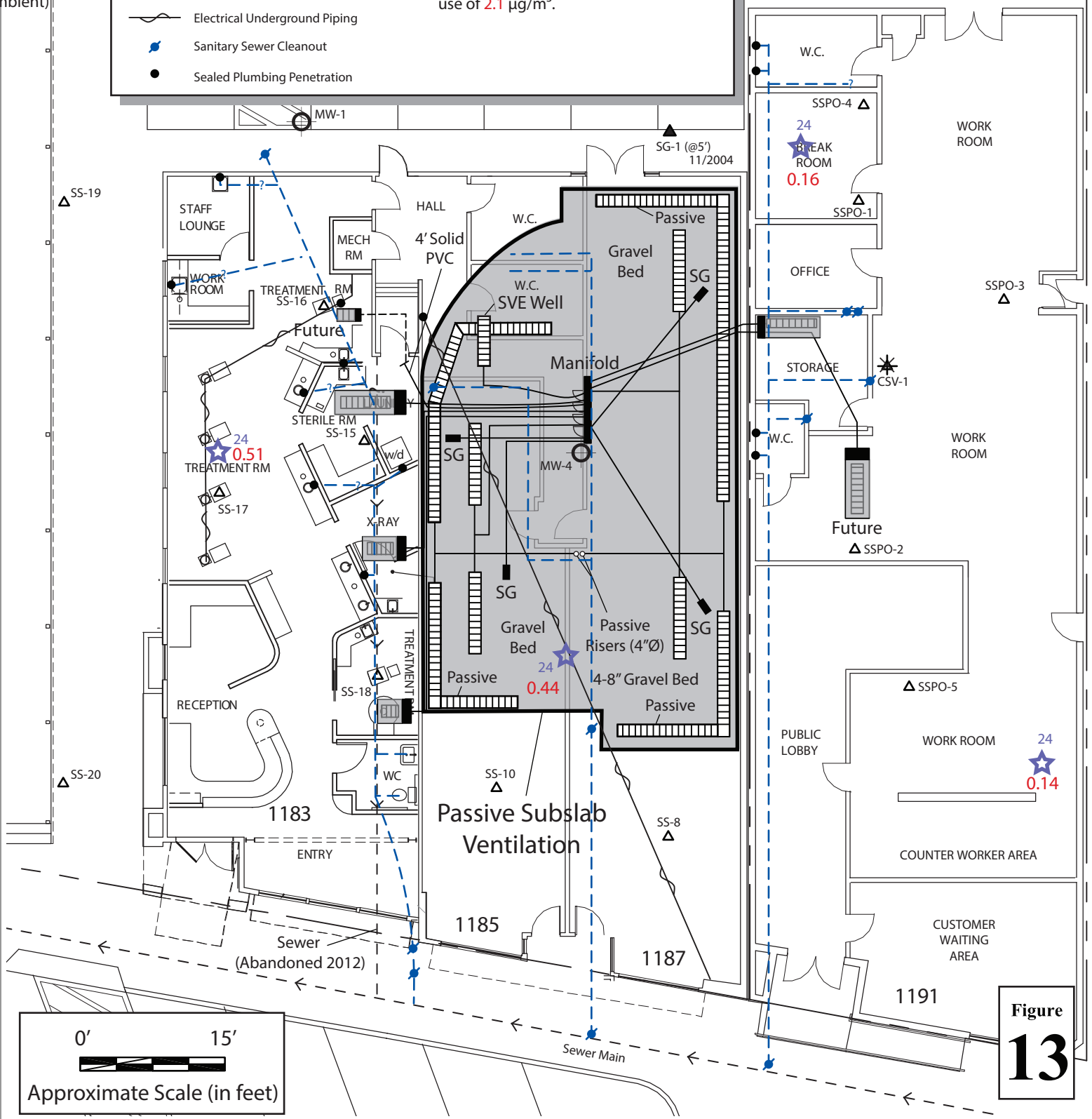


Figure  
**13**

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments		
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies			
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies			
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies			
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies			
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies			
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies			
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies			
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies			
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies			
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies			
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	←————— mg/Kg —————→					
<b>2004 and 2005 Borings</b>								
GP-1-5'	11/2/2004	5.0	<b>1.10</b>	0.0059	ND	---	ND	<b>Overexcavated</b>
GP-1-10'	11/2/2004	10.0	0.0091	ND	ND	---	ND	<b>Overexcavated</b>
GP-1-15'	11/2/2004	15.0	0.0084	ND	ND	---	ND	
GP-2-5'	11/2/2004	5.0	0.190	0.0022	ND	---	ND	
GP-2-10'	11/2/2004	10.0	0.026	ND	ND	---	ND	
GP-2-15'	11/2/2004	15.0	ND	ND	ND	---	ND	
GP-2-20'	11/2/2004	20.0	ND	ND	ND	---	ND	
GP-3-5'	11/2/2004	5.0	0.470	ND	ND	---	ND	<b>Overexcavated</b>
GP-3-10'	11/2/2004	10.0	<b>0.690</b>	ND	ND	---	ND	<b>Overexcavated</b>
GP-3-15'	11/2/2004	15.0	ND	ND	ND	---	ND	
GP-3-20'	11/2/2004	20.0	ND	ND	ND	---	ND	
GPA-1-10'	4/20/2005	10.0	0.0071	ND	ND	---	ND	
GPA-1-20'	4/20/2005	20.0	ND	ND	ND	---	ND	
GPA-1-30'	4/20/2005	30.0	ND	ND	ND	---	ND	
GPA-2-10'	4/20/2005	10.0	0.0066	ND	ND	---	ND	
GPA-2-20'	4/20/2005	20.0	ND	ND	ND	---	ND	
GPA-2-30'	4/20/2005	30.0	ND	ND	ND	---	ND	
GPA-3-10'	4/20/2005	10.0	ND	ND	ND	---	ND	
GPA-3-20'	4/20/2005	20.0	ND	ND	ND	---	ND	
GPA-3-30'	4/20/2005	30.0	ND	ND	ND	---	ND	
GPA-4-10'	4/20/2005	10.0	0.310	ND	ND	---	ND	
GPA-4-20'	4/20/2005	20.0	ND	ND	ND	---	ND	
GPA-4-30'	4/20/2005	30.0	ND	ND	ND	---	ND	
GPA-5-10'	4/20/2005	10.0	0.012	ND	ND	---	ND	
GPA-5-20'	4/20/2005	20.0	ND	ND	ND	---	ND	
GPA-5-30'	4/20/2005	30.0	ND	ND	ND	---	ND	
<b>January 2013 Borings</b>								
B-1-3.5	1/10/2013	3.5-4.0	0.011	<0.005	<0.005	---	ND	
B-1-5.5	1/10/2013	5.0-5.5	0.034	0.0051	<0.005	---	ND	
B-2-4*	1/10/2013	3.5-4.0	0.12	0.046	0.022	---	ND	<b>Overexcavated</b>
B-2-5.5*	1/10/2013	5.0-5.5	0.19	0.025	0.010	---	ND	<b>Overexcavated</b>
B-3-3.5*	1/10/2013	3.0-3.5	0.53	<0.025	<0.025	---	ND	<b>Overexcavated</b>
B-3-5.5*	1/10/2013	5.0-5.5	0.32	<0.020	<0.020	---	ND	<b>Overexcavated</b>
B-4-3.5*	1/10/2013	3.0-3.5	0.32	<0.020	<0.020	---	ND	<b>Overexcavated</b>
B-4-5.5*	1/10/2013	5.0-5.5	0.11	<0.005	<0.005	---	ND	<b>Overexcavated</b>
B-5-3.5*	1/10/2013	3.0-3.5	<b>0.78</b>	<0.050	<0.050	---	ND	<b>Overexcavated</b>
B-5-5.5*	1/10/2013	5.0-5.5	0.42	<0.033	<0.033	---	ND	<b>Overexcavated</b>

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments			
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies				
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies				
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies				
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies				
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies				
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies				
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies				
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies				
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies				
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies				
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	← mg/Kg →						
B-6-3.5*	1/10/2013	3.0-3.5	<b>0.91</b>	<0.10	<0.10	---	ND	<b>Overexcavated</b>	
B-6-5.5*	1/10/2013	5.0-5.5	0.39	<0.025	<0.025	---	ND	<b>Overexcavated</b>	
B-6-7.5*	1/10/2013	7.0-7.5	<b>1.5</b>	<0.20	<0.20	---	ND	<b>Overexcavated</b>	
B-6-12*	1/18/2013	11.5-12.0	0.0062	<0.005	<0.005	---	ND		
B-7-3.5*	1/10/2013	3.0-3.5	<b>5.0</b>	<0.20	<0.20	---	ND	<b>Overexcavated</b>	
B-7-5.5*	1/10/2013	5.0-5.5	<b>1.6</b>	<0.10	<0.10	---	ND	<b>Overexcavated</b>	
B-7-7.5*	1/10/2013	7.0-7.5	<b>0.72</b>	<0.10	<0.10	---	ND	<b>Overexcavated</b>	
B-7-12	1/18/2013	11.5-12.0	0.0061	<0.005	<0.005	---	ND		
B-8-3.5*	1/10/2013	3.0-3.5	<b>1.6</b>	<0.10	<0.10	---	ND	<b>Overexcavated</b>	
B-8-5.5*	1/10/2013	5.0-5.5	0.40	<0.025	<0.025	---	ND	<b>Overexcavated</b>	
B-9-3	1/10/2013	2.5-3.0	0.086	<0.005	<0.005	---	ND	1185 Solano	
B-10-6*	1/10/2013	5.5-6.0	0.39	<0.033	<0.033	---	ND	<b>Overexcavated</b>	
B-11-8	1/18/2013	7.5-8.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-11-12	1/18/2013	11.5-12.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-12-4	1/18/2013	3.5-4.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-12-8	1/18/2013	7.5-8.0 <sup>+</sup>	0.011	<0.005	<0.005	---	ND	1191 Solano	
B-12-12	1/18/2013	11.5-12.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-13-8	1/18/2013	7.5-8.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-13-12	1/18/2013	11.5-12.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-14-8	1/18/2013	7.5-8.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
B-15-8	1/18/2013	7.5-8.0 <sup>+</sup>	<0.005	<0.005	<0.005	---	ND	1191 Solano	
<b>February 2013 Borings (Angled Under Wall onto 1191 Solano property)</b>									
A-2-11*	2/1/2013	7.0	<b>1.5</b>	<0.10	<0.10	---	ND	<b>Overexcavated</b>	
A-3-11*	2/1/2013	7.0	<b>0.66</b>	<0.20	<0.20	---	ND	<b>Overexcavated</b>	
A-4-6*	2/1/2013	4.0	0.032	0.013	<0.005	---	ND	<b>Overexcavated</b>	
A-4-9*	2/8/2013	5.5	0.011	0.005	<0.005	---	ND		
A-5-13*	2/1/2013	8.5	<b>1.3</b>	<0.05	<0.05	---	ND	<b>Overexcavated</b>	
A-6-6*	2/1/2013	4.0	<b>3.9</b>	<0.2	<0.2	---	ND	<b>Overexcavated</b>	
A-6-10*	2/1/2013	5.5	<b>7.9</b>	<0.5	<0.5	---	ND	<b>Overexcavated</b>	
A-7-9*	2/8/2013	5.5	0.23	<0.010	<0.010	---	ND	<b>Overexcavated</b>	
<b>February and March 2013 Excavation Boundary</b>									
EX-SE-5	2/15/2013	5.0	0.012	<0.005	<0.005	---	ND		
EX-SE2-6	2/18/2013	6.0	<0.005	<0.005	<0.005	---	ND		
EX-E-7	2/18/2013	7.0	0.055	<0.005	<0.005	---	ND		
EX-N-8	2/22/2013	8.0	<0.005	<0.005	<0.005	---	ND		
EX-F1-11	3/5/2013	11.0	0.083	<0.005	<0.005	---	ND		



# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies	
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies	
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies	
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies	
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies	
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies	
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies	
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies	

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	←————— mg/Kg —————→				
EX-F2-7	3/5/2013	7.0	0.025	<0.005	<0.005	---	ND
SW-1-4	3/5/2013	4.0	0.021	<0.005	<0.005	---	ND

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments		
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies			
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies			
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies			
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies			
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies			
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies			
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies			
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies			
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies			
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies			
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	←————— mg/Kg —————→					
EX-F3-6	3/6/2013	6.0	<b>0.57</b>	<0.005	<0.005	---	ND	<b>Overexcavated</b>
EX-F3-8	3/12/2013	8.0	0.36	<0.005	<0.005	---	ND	
EX-F4-6	3/6/2013	6.0	0.20	<0.005	<0.005	---	ND	
EX-F5-9	3/7/2013	9.0	0.0077	<0.005	<0.005	---	ND	
EX-F6-12	3/7/2013	12.0	0.0066	<0.005	<0.005	---	ND	
EX-F7-4	3/8/2013	4.0	0.15	<0.005	<0.005	---	ND	
SW-2-4	3/11/2013	4.0	0.16	<0.005	<0.005	---	ND	
SW-3-4	3/11/2013	4.0	0.10	<0.005	<0.005	---	ND	
EX-F8-11	3/13/2013	11.0	0.059	<0.005	<0.005	---	ND	
EX-F9-11	3/14/2013	11.0	0.026	<0.005	<0.005	---	ND	
SW-4-5	3/14/2013	5.0	0.016	<0.005	<0.005	---	ND	
SW-5-2	3/14/2013	2.0	0.12	<0.005	<0.005	---	ND	
SW-6-2	3/14/2013	2.0	0.12	<0.005	<0.005	---	ND	
SW-7-5	3/14/2013	5.0	0.047	<0.005	<0.005	---	ND	
SW-8-1	3/16/2013	1.0	0.12	<0.005	<0.005	---	ND	
SW-9-1	3/16/2013	1.0	0.096	<0.005	<0.005	---	ND	
Sewer-1-1	3/16/2013	1.0	0.34	<0.005	<0.005	---	ND	
Sewer-2-1	3/16/2013	1.0	0.34	<0.005	<0.005	---	ND	
<b>March and April Borings 2013</b>								
B-19-2	3/20/2013	1.5-2.0	<0.005	<0.005	<0.005	---	ND	<b>Overexcavated</b>
B-19-5	3/20/2013	4.5-5.0	0.013	<0.005	<0.005	---	ND	
B-20-2	3/20/2013	1.5-2.0	0.013	<0.005	<0.005	---	ND	<b>Overexcavated</b>
B-20-5	3/20/2013	4.5-5.0	0.0085	<0.005	<0.005	---	ND	
B-21-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	
B-22-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	
B-23-4.5	4/25/2013	4.0-4.5	<0.005	<0.005	<0.005	---	ND	
B-23-8.5	4/25/2013	8.0-8.5	<0.005	<0.005	<0.005	---	ND	
B-24-4.5	4/25/2013	4.0-4.5	<0.005	<0.005	<0.005	---	ND	
B-25-2.5	4/25/2013	2.0-2.5	0.0071	<0.005	<0.005	---	ND	
B-25-5	4/25/2013	4.5-5.0	0.0066	<0.005	<0.005	---	ND	
B-26-2.5	4/25/2013	2.0-2.5	0.018	<0.005	<0.005	---	ND	
B-26-5	4/25/2013	4.5-5.0	0.0050	<0.005	<0.005	---	ND	
B-27-3	4/25/2013	2.5-3.0	<0.005	<0.005	<0.005	---	ND	
B-27-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	
B-28-2.5	4/25/2013	2.0-2.5	<0.005	<0.005	<0.005	---	ND	
B-28-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	
B-29-2.5	4/25/2013	2.0-2.5	<0.005	<0.005	<0.005	---	ND	
B-29-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	
B-30-5	4/25/2013	4.5-5.0	<0.005	<0.005	<0.005	---	ND	

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments	
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies		
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies		
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies		
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies		
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies		
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies		
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies		
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies		
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies		
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies		
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	←————— mg/Kg —————→				

**May 2013 Boring (Angled Under Bathroom at 1185 Solano)**

A-8-5	5/24/2013	2.0	0.0093	<0.005	<0.005	---	ND
-------	-----------	-----	--------	--------	--------	-----	----

**July 2013 Vertical Boring (1185 Solano)**

B-31-1	7/2/2013	1.0-1.5	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-31-3	7/2/2013	3.0-3.5	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-31-5	7/2/2013	4.5-5.0	<0.005	<0.005	<0.005	<0.005	ND	
B-32-1	7/2/2013	1.0-1.5	0.084	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-32-3	7/2/2013	3.0-3.5	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-32-5	7/2/2013	4.5-5.0	<0.005	<0.005	<0.005	<0.005	ND	
B-33-1	7/2/2013	1.0-1.5	<b>0.70</b>	0.16	<0.050	<0.05	ND	<b>Overexcavated</b>
B-33-3	7/2/2013	3.0-3.5	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-34-1	7/2/2013	1.0-1.5	0.011	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-34-3	7/2/2013	3.0-3.5	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
B-34-5	7/2/2013	4.5-5.0	<0.005	<0.005	<0.005	<0.005	ND	

**July 2013 Boring (Angled Under Wall onto 1185 Solano)**

A-9-3	7/2/2013	1.5	0.041	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
A-9-9	7/2/2013	3.0	<0.005	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
A-9-12	7/2/2013	4.5	<0.005	<0.005	<0.005	<0.005	ND	
A-10-3	7/2/2013	1.0	0.045	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
A-10-6.5	7/2/2013	2.0	0.0079	<0.005	<0.005	<0.005	ND	<b>Overexcavated</b>
A-10-12	7/2/2013	3.0	<0.005	<0.005	<0.005	---	ND	<b>Overexcavated</b>
A-11-3	7/2/2013	2.0	<0.005	<0.005	<0.005	---	ND	<b>Overexcavated</b>
A-11-8	7/3/2013	5.5	<0.005	<0.005	<0.005	---	ND	
A-12-5	7/3/2013	2.5	<0.005	<0.005	<0.005	---	ND	<b>Overexcavated</b>
A-12-8	7/3/2013	4.0	<0.005	<0.005	<0.005	---	ND	
A-13-3	7/3/2013	1.5	<0.005	<0.005	<0.005	---	ND	<b>Overexcavated</b>
A-13-8	7/3/2013	4.0	<0.005	<0.005	<0.005	---	ND	

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments	
<i>Residential</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies		
<i>Residential</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies		
<i>Res'l</i> ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies		
<i>Commercial</i> ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies		
<i>Commercial</i> ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies		
<i>Residential</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies		
<i>Residential</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies		
<i>Commercial</i> ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies		
<i>Commercial</i> ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies		
<i>Commercial</i> ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies		
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	← mg/Kg →				
<b>August and September 2013 Excavation Boundary</b>							
F-1-2	8/7/2013	2.0	0.0075	<0.005	<0.005	---	ND
F-2-2.5	8/7/2013	2.5	0.014	<0.005	<0.005	---	ND
SW-N1-2	8/15/2013	2.0	0.016	<0.005	<0.005	---	ND
SW-N2-1	8/15/2013	1.0	0.017	<0.005	<0.005	---	ND
SW-W-1	8/15/2013	1.0	0.015	<0.005	<0.005	---	ND
F-3-3	8/15/2013	3.0	<0.005	<0.005	<0.005	---	ND
F-4-3	8/15/2013	3.0	<0.005	<0.005	<0.005	---	ND
F-5-2.5	8/19/2013	2.5	<0.005	<0.005	<0.005	---	ND
SW-W2-1	8/21/2013	1.0	<0.005	<0.005	<0.005	---	ND
F-5-3	8/21/2013	3.0	0.015	<0.005	<0.005	---	ND
F-6-3	8/21/2013	3.0	0.036	<0.005	<0.005	---	ND
F-7-2.5	8/29/2013	2.5	<0.005	<0.005	<0.005	---	ND
F-8-4	8/29/2013	4.0	<0.005	<0.005	<0.005	---	ND
SW-SW-2.5	8/29/2013	2.5	<0.005	<0.005	<0.005	---	ND
SW-W-2.5	8/29/2013	2.5	<0.005	<0.005	<0.005	---	ND
SW-NW-2.5	8/29/2013	2.5	<0.005	<0.005	<0.005	---	ND
F-9-3	9/5/2013	3.0	<0.005	<0.005	<0.005	<0.005	ND
F-10-3	9/5/2013	3.0	0.023	<0.005	<0.005	<0.005	ND
F-11-2	9/5/2013	2.0	<0.005	<0.005	<0.005	<0.005	ND
F-12-2.5	9/5/2013	2.5	<0.005	<0.005	<0.005	<0.005	ND
F-13-2.5	9/5/2013	2.5	<0.005	<0.005	<0.005	<0.005	ND
F-14-2.5	9/5/2013	2.5	<0.005	<0.005	<0.005	<0.005	ND
F-15-2.5	9/5/2013	2.5	<0.005	<0.005	<0.005	<0.005	ND
SW-S1-3	9/5/2013	3.0	<0.005	<0.005	<0.005	<0.005	ND
SW-S2-3	9/5/2013	3.0	<0.005	<0.005	<0.005	<0.005	ND
SW-E-4	9/5/2013	4.0	0.31	<0.020	<0.020	<0.005	ND <b>Overexcavated</b>
<b>August and September 2013 Borings</b>							
HA-1-3	8/29/2013	3.0	<0.005	<0.005	<0.005	---	ND
HA-1-5	8/29/2013	5.0	<0.005	<0.005	<0.005	---	ND
HA-2-3	8/29/2013	3.0	<0.005	<0.005	<0.005	---	ND
HA-2-5	8/29/2013	5.0	<0.005	<0.005	<0.005	---	ND
HA-3-NW-3	8/29/2013	3.0	<0.005	<0.005	<0.005	---	ND
SS-1183-1	8/29/2013	1.0	<0.005	<0.005	<0.005	---	ND
HA-2D-1ss	8/30/2013	1.0	<0.005	<0.005	<0.005	---	ND
1183 North-2	9/2/2013	2.0	<0.005	<0.005	<0.005	---	ND
1183 Cental N-4	9/2/2013	4.0	<0.005	<0.005	<0.005	---	ND
1183 Cental N-6	9/2/2013	6.0	<0.005	<0.005	<0.005	---	ND

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
Residential ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies	
Residential ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies	
Res'l ESL shallow soil <b>dw&amp;non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies	
Commercial ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
Commercial ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies	
Residential ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies	
Residential ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies	
Commercial ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
Commercial ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies	
Commercial ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies	

\*\*\*\*\* Data Below Collected After CAP Report\*\*\*\*\*

**January 2014 Offsite Borings**

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
B-36-5	1/16/2014	5.0	<0.005	<0.005	<0.005	---	ND	
B-39-6	1/17/2014	6.0	<0.005	<0.005	<0.005	---	ND	

**March 2014 Offsite Borings**

B-45-7	3/11/2014	7.0	<0.020	<0.020	<0.020	<0.020	a	
MW-6-5	3/11/2014	5.0	<0.005	<0.005	<0.005	--	ND	
MW-5-5	3/11/2014	5.0	<0.005	<0.005	<0.005	--	ND	

**May 2014 Borings (1191 Solano Breakroom)**

PO-2-2'	5/13/2014	2.0	0.056	<0.005	<0.005	--	ND	<b>Overexcavated</b>
B-47-6.3'	5/14/2014	6.3	<0.005	<0.005	<0.005	--	ND	
B-48-2.5'	5/14/2014	2.5	<b>0.72</b>	<0.033	<0.033	--	ND	<b>Overexcavated</b>
B-49-3'	5/14/2014	3.0	0.13	<0.005	<0.005	--	ND	<b>Overexcavated</b>
B-49-6'	5/14/2014	6.0	0.17	<0.005	<0.005	--	ND	

**June 2014 Excavation Boundary (1191 Solano Breakroom)**

B-48A-6'	6/11/2014	6.0	0.076	<0.005	<0.005	--	ND	
B-48A-8'	6/11/2014	8.0	0.16	<0.005	<0.005	--	ND	
PO-3-2.5'	6/11/2014	2.5	<0.005	<0.005	<0.005	--	ND	<b>Overexcavated</b>
B-NW-2.5'	6/12/2014	2.5	<b>0.74</b>	<0.025	<0.025	--	ND	<b>Overexcavated</b>
B-Bath2-3'	6/12/2014	3.0	0.027	<0.005	<0.005	--	ND	
B-Bath1-4.3'	6/13/2014	4.3	<b>1.0</b>	<0.05	<0.05	--	ND	<b>Overexcavated</b>
B-NW-2.5'	6/13/2014	2.5	0.10	<0.005	<0.005	--	ND	
B-W-3.5'	6/13/2014	3.5	<b>8.4</b>	<0.25	<0.25	--	ND	<b>Overexcavated</b>
SW-3'	6/13/2014	3.0	0.11	<0.005	<0.005	--	ND	
F1-3.5'	6/13/2014	3.5	0.059	<0.005	<0.005	--	ND	
F2-3'	6/13/2014	3.0	0.045	<0.005	<0.005	--	ND	

**June 2014 Excavation Boundary (1187 Solano)**

L3'-8"-1.5'	6/16/2014	1.5	0.074	<0.005	<0.005	--	ND	1187 Southeast area
R8'-8"-2'	6/16/2014	2.0	<0.005	<0.005	<0.005	--	ND	1187 Southeast area

**July 2014 Excavation Sampling and Borings (Outside of 1187 and 1191 Solano)**

Rear-F2-7'	7/7/2014	7.0	<b>1.5</b>	<0.05	<0.05	--	ND	<b>Overexcavated</b>
Rear-F3-7'	7/7/2014	7.0	<b>3.8</b>	<0.1	<0.1	--	ND	<b>Overexcavated</b>
Rear-F-4.5'	7/7/2014	4.5	0.18	<0.005	<0.005	--	ND	<b>Overexcavated</b>
Rear-S-2'	7/7/2014	2.0	0.056	<0.005	<0.005	--	ND	
Rear-N-2'	7/7/2014	2.0	<b>0.60</b>	<0.02	<0.02	--	ND	<b>Overexcavated</b>
EB-1-2'	7/7/2014	2.0	0.20	<0.005	<0.005	--	ND	
Rear-W-2'	7/7/2014	2.0	0.43	<0.02	<0.02	--	ND	<b>Overexcavated</b>
Rear-FS-10'	7/9/2014	10.0	0.013	<0.005	<0.005	--	ND	
Rear-W2-5'	7/9/2014	5.0	0.17	<0.005	<0.005	--	ND	
Rear-W2-2'	7/9/2014	2.0	<0.005	0.012	0.0097	--	ND	
Rear-N2-4'	7/9/2014	4.0	0.12	0.092	0.017	--	ND	
Rear-N2-8'	7/9/2014	8.0	0.093	<0.005	<0.005	--	ND	
EB-2-2'	7/9/2014	2.0	0.14	0.016	<0.005	--	ND	

**July 2014 Boring**

B-NE-5'	7/9/2014	5.0	<0.005	<0.005	<0.005	--	ND	Boring for MW-8
---------	----------	-----	--------	--------	--------	----	----	-----------------

# Pangea

**Table 1. Soil Analytical Data - 1187 Solano Ave, Albany, California**

	PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
Residential ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	<b>0.55</b>	<b>0.46</b>	0.19		Varies	
Residential ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	0.55	1.7	18		Varies	
Res'l ESL shallow soil <b>dw &amp; non-dw</b> (<3 m bgs) Direct Exp ESL:	0.55	1.7	160		Varies	
Commercial ESL shallow soil <b>dw</b> (<3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
Commercial ESL shallow soil <b>non-dw</b> (<3 m bgs) Final ESL:	2.6	8.3	18		Varies	
Residential ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.55	0.46	0.19		Varies	
Residential ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	<b>0.55</b>	<b>1.7</b>	18		Varies	
Commercial ESL deep soil <b>dw</b> (>3 m bgs) Final ESL:	0.7	0.46	0.19		Varies	
Commercial ESL deep soil <b>non-dw</b> (>3 m bgs) Final ESL:	2.6	8.3	18		Varies	
Commercial ESL soil <b>dw &amp; non-dw</b> (>3 m bgs) Direct Exp. ESL:	2.6	8.3	2,000		Varies	
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	←————— mg/Kg —————→			

**Explanation:**

mg/Kg = milligrams per Kilogram

ft bgs = Depth below ground surface (bgs) in feet.

< n = Chemical not present at a concentration in excess of detection limit shown.

\* = Sample location overexcavated.

\* = Slab elevation is about 2.5 ft higher in Post Office building than adjacent units at 1185 and 1187 Solano.

-- = Not analyzed or not available.

ESL = Environmental Screening Level for Shallow/Deep Soil with Residential and Commercial/Industrial Land Use, Groundwater is/is not a current or potential source of drinking water. (Table A/Table B/Table C/Table D/Table K-1/Table K-2).

ESL established by the SFBRWQCB, Interim Final - November 2007 and amended in May 2013.

**non-dw** = groundwater is not a current or potential source of drinking water.

**dw** = groundwater is a current or potential source of drinking water.

Other VOCs = Volatile Organic Compounds besides PCE, TCE and cis-1,2-DCA by EPA Method 8260 (Report list Method 8010).

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260.

TCE = Trichloroethane by EPA Method 8010.

PCE = Tetrachloroethene by EPA Method 8010.

cis-1,2-DCE = cis-1,2 - Dichloroethene

**Bold** concentrations exceed **residential** ESL where groundwater is a current or potential source of drinking water.

ND = Not Detected above laboratory reporting limits.

**Notes:**

a = 0.17 n-butyl benzene, 0.072 sec-butyl benzene, 0.023 tert-butyl benzene, 0.089 isopropyl benzene, 0.062 4-isopropyl toluene, 0.23 n-propyl benzene. Presumably associated with an offsite former gas station near this boring.

# Pangea

**Table 2. Groundwater Analytical Data - 1187 Solano Ave, Albany, California**

					PCE	TCE	cis-1,2-DCE	BTEX	Other VOCs	Comments
<i>Final</i> ESL for groundwater,dw:					5.0	5.0	6.0	Varies	Varies	
<i>Final</i> ESL for groundwater,non-dw:					63	130	590	Varies	Varies	
<i>Residential</i> ESL GW to Indoor Air:					63	130	---	--	--	
<i>Commercial</i> ESL GW to Indoor Air (fine - coarse):					<b>640</b>	<b>1,300</b>	--	--	--	
Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	Depth to Water (ft bgs)	GWE (ft)	←————— μg/L —————→					
<i>TOC</i>										
<b>2004 and 2005 Borings</b>										
GPA-1	4/20/2005	---	---	---	ND (<1.0?)	ND	ND	---	ND	
GPA-2	4/20/2005	---	---	---	ND (<1.0?)	ND	ND	---	ND	
GPA-3	4/20/2005	---	---	---	ND (<1.0?)	ND	ND	---	ND	
GPA-4	4/20/2005	---	---	---	ND (<1.0?)	ND	ND	---	ND	
GPA-5	4/21/2005	---	---	---	ND (<1.0)	ND	ND	---	ND	
<b>Pangea Assessment 2013</b>										
EX-SE	2/18/2013	9.0	9.0	---	93	<2.5	<2.5	---	ND	
EX-N-GW	2/25/2013	9.0	9.0	---	8.3	1.4	0.71	---	ND	
EX-E-GW	2/25/2013	9.0	9.0	---	<b>750</b>	<25	<25	---	ND	
B-16	3/8/2013	8.5	8.5	---	520	<0.5	<0.5	---	ND	
B-17	3/8/2013	9.0	9.0	---	25	<0.5	<0.5	---	ND	
B-18	3/20/2013	9.0	9.0	---	620	<50	<50	---	ND	
B-19	3/20/2013	9.0	9.0	---	440	<50	<50	---	ND	
B-20	3/20/2013	9.4	9.4	---	190	7.0	<0.5	---	ND	
DB-1	3/20/2013	30-40	32.0	---	<0.5	<0.5	<0.5	---	ND	
B-21	4/25/2013	10.0	10.0	---	85	<2.5	<2.5	---	ND	
B-22	4/25/2013	10.0	10.0	---	<b>820</b>	<50	<50	---	ND	
B-23	4/25/2013	12.0	12.0	---	<0.5	<0.5	<0.5	---	ND	
B-24	4/25/2013	12.0	12.0	---	<0.5	<0.5	<0.5	---	ND	
B-30	4/25/2013	10.0	10.0	---	290	<10	<10	---	ND	
<b>Pangea Offsite Assessment 2014</b>										
B-35	1/17/2014	9.0	9.0	---	<0.5	<0.5	<0.5	---	ND	Near residence.
B-36	1/16/2014	8.0	7.0	---	95	7.1	3.3	---	ND	
B-37	1/16/2014	15.0	15.0	---	60	<1.7	<1.7	---	ND	
B-38	1/16/2014	15.0	11.8	---	<0.5	<0.5	<0.5	---	ND	
B-39	1/16/2014	8.5	8.0	---	<b>140</b>	4.2	<0.5	---	c	Near residence. c=Chloroform (7.2)
B-42	3/11/2014	2-3	2.0	---	<0.5	<0.5	<0.5	---	ND	
B-43	3/11/2014	2-2.5	2.0	---	<0.5	<0.5	<0.5	---	ND	
B-44	3/13/2014	7.5	7.5	---	<0.5	<0.5	<0.5	---	ND	
B-45	3/12/2014	12.4	12.4	---	<0.5	<0.5	<0.5	---	d	d=1,2 dca (14). Former gas station.
B-46	3/12/2014	3-4.5	3.0	---	<0.5	<0.5	<0.5	---	ND	
<b>Monitoring Wells</b>										
MW-1	6/10/2013	9-14	13.6	---	200	42	<10	---	ND	Little water
56.54	12/4/2013	9-14	10.8	45.74	340	50	<10	<10	ND	
	3/22/2014	9-14	10.81	45.73	170	37	<10	---	ND	
	6/19/2014	9-14	10.14	46.40	130	31	<2.5	--	ND	
MW-2	5/22/2013	10-15	14.0	---	48	<1.2	<1.2	---	<1.2	Little water
55.89	12/4/2013	10-15	9.5	46.39	55	1.5	<1.0	<1.0	ND	
	3/22/2014	10-15	9.51	46.38	32	0.98	<0.5	---	ND	
	6/19/2014	10-15	9.03	46.86	32	1.1	<0.5	--	ND	
MW-3	5/24/2013	9-14	12.9	---	<b>92</b>	2.9	<2.5	---	<2.5	Little water
55.85	12/4/2013	9-14	9.4	46.45	<b>170</b>	6.3	<5.0	<5.0	ND	Near residence with crawl space.
	3/22/2014	9-14	7.93	47.92	140	<5.0	<5.0	---	ND	
	6/19/2014	9-14	9.20	46.65	73	<1.7	<1.7	--	ND	
MW-4	9/27/2013	9-14*	12 (est)	---	110	<5.0	<5.0	<5.0	a	a=Acetone (610), MEK (230)
59.59	12/4/2013	9-14*	11.55	48.04	86	1.9	<1.7	<1.7	b	b=Acetone (54), MEK (110)
	3/22/2014	9-14*	11.71	47.88	110	<5.0	<5.0	<5.0	ND	
	6/19/2014	9-14*	12.92	46.67	63	<1.7	1.90	--	ND	
MW-5	3/22/2014	6-11	5.67	47.43	<0.5	<0.5	<0.5	---	ND	Near residence with crawl space.
53.10	6/19/2014	6-11	6.61	46.49	<0.5	<0.5	<0.5	---	ND	
MW-6	3/22/2014	5.5-8.5	5.64	46.84	23	2.7	8.0	---	e	Near residence. e=2.1 chloroform
52.48	6/19/2014	5.5-8.5	6.50	45.98	19	1.6	4.5	--	ND	
MW-7	3/22/2014	10-15	7.75	43.52	10	5.9	13	---	f	f=4.8 chloroform, 0.72 carbon tet
51.27	6/19/2014	10-15	8.23	43.04	4.3	4.0	9.9	--	ND	g=2.1 chloroform

MW-8	7/21/2014	9-14	9.8	---	<0.5	<0.5	<0.5	---	ND	NE up/crossgradient delineation
------	-----------	------	-----	-----	------	------	------	-----	----	---------------------------------



---

**Explanation:**

µg/L = Micrograms per Liter

ft bgs = Depth below ground surface (bgs) in feet.

TOC = Top of casing elevation. Wells surveyed using NAVD 88 datum.

GWE = Groundwater elevation

\* = Due to angle of well, listed depth to water value is 0.4 ft less than measured depth to water to yield estimated vertical depth to water at well location.

< n = Chemical not present at a concentration in excess of detection limit shown.

-- = Not analyzed or not available.

ESL = Environmental Screening Level for Groundwater, groundwater is a current or potential source of drinking water. (Table F-1a).

ESL = Environmental Screening Level for groundwater, groundwater is not a current or potential source of drinking water. (Table F-1b).

ESL = Environmental Screening Level for groundwater to indoor air for residential/commercial land use. (Table E-1).

ESL established by the SFBRWQCB, Interim Final - November 2007 and amended in May 2013.

**non-dw** = groundwater is not a current or potential source of drinking water.

**dw** = groundwater is a current or potential source of drinking water.

Other VOCs = Volatile Organic Compounds besides PCE, TCE and cis-1,2-DCA by EPA Method 8010 or 8260.

TCE = Trichloroethane by EPA Method 8010 or 8260.

PCE = Tetrachloroethene by EPA Method 8010 or 8260.

cis-1,2-DCE = cis-1,2 - Dichloroethene by EPA Method 8010 or 8260.

BTEX = Benzene, toluene, ethylbenzene, and xylenes by EPA Method 8260.

**Bold** concentrations exceed ESL protective of indoor air (commercial or residential), based on proximity to current site use.

ND = Not Detected above laboratory reporting limits.

# Pangea

**Table 3. Subslab and Soil Gas Analytical Data - 1185 - 1191 Solano Avenue, Albany, California**

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Benzene	TEX	Other VOCs	Helium	Notes
			ug/m <sup>3</sup>							%	

## SUBSLAB GAS

### Passive Ventilation System Probes (1185, 1187 and 1191 Solano)

SG-1185N	10/10/13	1.5	940	<250	<250	<250	<500	<500	ND	---	Within Passive Subslab Vent Area
	12/04/13	1.5	170	530	2.4	<2.0	9.8	(V)	(V)	---	Within Passive Subslab Vent Area
	03/13/14	1.5	1,400	<250	<250	<250	---	---	ND	---	Within Passive Subslab Vent Area
SG-1185S	03/13/14	1.5	1,500	<250	<250	<250	---	---	ND	---	Within Passive Subslab Vent Area
SG-1187N	10/10/13	1.5	290	<250	<250	<250	<500	<500	ND	---	Within Passive Subslab Vent Area
	12/04/13	1.5	220	310	2.4	<2.0	4.8	(X)	(X)	---	Within Passive Subslab Vent Area
	03/13/14	1.5	630	<250	<250	<250	---	---	ND	---	Within Passive Subslab Vent Area
SG-1187S	12/04/13	1.5	940	530	<2.0	<2.0	5.5	(W)	(W)	---	Within Passive Subslab Vent Area
	03/13/14	1.5	<b>4,200</b>	<250	<250	<250	---	---	ND	---	Within Passive Subslab Vent Area
	08/20/14	1.5	<b>4,800</b>	<250	<250	<250	---	---	ND	---	<b>Following nearby overexcavation.</b>
1191 Breakroom	08/20/14	1.5	<250	<250	<250	<250	---	---	ND	---	<b>After SSPO-4 excavation work</b>

### 1183 Solano Avenue

SS-15	07/02/13	0.5	340	<250	<250	<250	<500	<500	<250	---	
	12/04/13	0.5	340	870	<2.0	<2.0	8.4	(a)	(a)	---	
	03/13/14	0.5	300	<250	<250	<250	---	---	ND	---	
SS-16	07/02/13	0.5	<250	<250	<250	<250	<500	<500	<250	---	
	08/01/13	0.5	1,400	<11	<8.1	<8.1	<6.5	<27*	(Q)	---	
	10/11/13	0.5	<250	<250	<250	<250	<250	<250	ND	---	
	12/04/13	0.5	260	660	<2.0	<2.0	7.8	(b)	(b)	---	130 ethanol
	03/13/14	0.5	<250	<250	<250	<250	---	---	ND	---	
SS-17	07/03/13	0.5	670	<11	<8.1	<8.1	<6.5	<27*	(L)	---	
	10/11/13	0.5	1,200	<250	<250	<250	<250	<250	ND	---	
	12/04/13	0.5	880	690	<2.0	<2.0	6.4	(c)	(c)	---	
	03/13/14	0.5	630	<250	<250	<250	---	---	ND	---	
SS-18	07/03/13	0.5	270	<11	<8.1	<8.1	<6.5	<27*	(M)	---	
	03/13/14	0.5	<250	<250	<250	<250	---	---	ND	---	

### 1185 Solano Avenue

SS-6	01/17/13	0.5	<b>120,000</b>	<b>9,100</b>	270	71	7.2	(A)	(A)	---	Before excavation and venting
	04/25/13	0.5	<b>40,000</b>	<b>10,000</b>	<250	<250	---	---	<250	---	7 days after vent test end
	05/17/13	0.5	<b>19,000</b>	<b>3,800</b>	<250	<250	---	---	<250	---	Short test
	07/02/13	0.5	<b>18,000</b>	<b>3,100</b>	<250	<250	<500	<500	<250	---	Excavated probe area later
SS-7	01/17/13	0.5	<b>54,000</b>	1,600	22	29	<6.5	<27*	(B)	0.086	Before excavation and venting
	04/25/13	0.5	2,000	<250	<250	<250	---	---	<250	---	7 days after vent test end
	07/02/13	0.5	680	<250	<250	<250	<500	<500	<250	---	Excavated probe area later
SS-10	04/25/13	0.5	<250	<250	<250	<250	---	---	<250	---	7 days after vent test end
	07/03/13	0.5	110	<11	<8.1	<8.1	<6.5	<27*	(J)	---	
	12/04/13	0.5	58	1100	<2.0	<2.0	7.8	(Z)	(Z)	---	Probe south of excavation extent
SS-11	07/02/13	0.5	1,500	<250	<250	<250	<500	<500	<250	---	Excavated probe area later
SS-12	07/02/13	0.5	<b>120,000</b>	<b>15,000</b>	<2,500	<2,500	<5,000	<5,000	<2,500	---	Excavated probe area later

# Pangea

**Table 3. Subslab and Soil Gas Analytical Data - 1185 - 1191 Solano Avenue, Albany, California**

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Benzene	TEX	Other VOCs	Helium	Notes
			← $\mu\text{g}/\text{m}^3$ →								
SS-13	07/02/13	0.5	22,000	18,000	3,500	<500	<1,000	<1,000	<500	---	Excavated probe area later
SS-14	07/02/13	0.5	6,300	310	<250	<250	<500	<500	<250	---	Excavated probe area later
1185 Hall	07/02/13	0.5	14,000	740	<250	<250	<500	<500	<250	---	Excavated probe area later
1185 Bath	07/02/13	0.5	2,700	<250	<250	<250	<500	<500	<250	---	Excavated probe area later
<i>1187 Solano Avenue</i>											
SS-3	01/17/13	0.5	27,000	2,600	590	92	<6.5	<27*	(C)	0.041	Excavated probe area later
SS-4	01/17/13	0.5	770,000	60,000	2,200	1,000	28	(D)	(D)	---	PCE machine area. Excavated later
SS-5	01/17/13	0.5	190,000	6,300	81	56	<6.5	<27*	ND	---	Excavated probe area later
SS-8	07/03/13	0.5	56	<11	<8.1	<8.1	<6.5	<27*	(K)	0.21	7 days after vent test end
	12/04/13	0.5	35	620	<2.0	<2.0	14	(Y)	(Y)	--	Probe south of excavation extent
SS-9	04/25/13	0.5	<250	<250	<250	<250	---	---	<250	---	Unrepresentative. Probe clogged.
	08/01/13	1.5	4,800	75	<8.1	<8.1	<6.5	<27*	ND	---	After cleared probe. Overexcavated.
<i>1191 Solano Avenue</i>											
SS-PO-1	01/17/13	0.5	1,100	110	18	90	<6.5	<27*	(E)	---	Before excavation and venting
	04/25/13	0.5	860	<250	<250	<250	---	---	<250	---	7 days after vent test end
	07/02/13	0.5	730	<250	<250	<250	<500	<500	<250	---	
	12/04/13	0.5	850	620	<2.0	<2.0	11	(d)	(d)	---	
	03/13/14	0.5	<250	<250	<250	<250	---	---	ND	---	
SS-PO-2	01/17/13	0.5	760	35	<8.1	28	<6.5	<27*	(F)	---	Before excavation and venting
	04/25/13	0.5	<250	<250	<250	<250	---	---	<250	---	7 days after vent test end
	07/03/13	0.5	450	<11	<8.1	<8.1	<6.5	<27*	(N)	---	
	12/04/13	0.5	680	760	<2.0	<2.0	11	(e)	(e)	---	
	03/13/14	0.5	350	<250	<250	<250	---	---	ND	---	
SS-PO-3	07/03/13	0.5	140	<11	<8.1	<8.1	<6.5	<27*	(O)	---	
	03/13/14	0.5	<250	<250	<250	<250	---	---	ND	---	
SS-PO-4	07/03/13	0.5	1,800	<11	<8.1	<8.1	<6.5	<27*	(P)	---	Air 0.40 $\mu\text{g}/\text{m}^3$ PCE <2.1 $\mu\text{g}/\text{m}^3$ ESL
	12/04/13	0.5	3,600	500	<2.0	<2.0	7.2	(f)	(f)	---	Air 0.39 $\mu\text{g}/\text{m}^3$ PCE <2.1 $\mu\text{g}/\text{m}^3$ ESL
	02/12/14	0.5	3,500	<250	<250	<250	---	---	ND	---	
	03/13/14	0.5	3,600	<250	<250	<250	---	---	ND	---	<b>Overexc 7/2014. See SG-1191 Break</b>
SS-PO-5	08/01/13	0.5	41	<11	<8.1	<8.1	<6.5	<27*	ND	---	
SS-PO-6	04/30/14	0.5	700	<250	<250	<250	--	--	ND	--	
SS-PO-7	04/30/14	0.5	<250	<250	<250	<250	--	--	ND	--	
CSV-1	01/17/13	0.2	<14	<11	<8.1	<8.1	<6.5	19 (G)	(G)	---	Crawl Space
<i>Courtyard West of 1191 Solano Avenue</i>											
SS-19	07/03/13	0.5	34	<11	<8.1	<8.1	<6.5	15 (l)	(l)	---	Courtyard
SS-20	07/03/13	0.5	59	<11	<8.1	<8.1	<6.5	<27*	(H)	---	Courtyard
<i>845 Stannage Avenue</i>											
845-SS1	01/16/14	0.5	40	<2.8	<2.0	<2.0	<1.6	3.1 (g)	(g)	---	Near apt w/crawlspace, nw of site

# Pangea

**Table 3. Subslab and Soil Gas Analytical Data - 1185 - 1191 Solano Avenue, Albany, California**

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	ug/m <sup>3</sup>							Other VOCs	Helium	Notes
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Benzene	TEX				

### SUBLAB DEPRESSURIZATION SYSTEM

INF	4/8/13	0.5	5,000	510	<250	<250	---	---	<250	---	Day 3 (1st). 1185N+S&PO
INF	4/10/13	0.5	4,400	290	<250	<250	---	---	<250	---	Day 5 (1st). 1185N+S&PO
INF	5/2/13	0.5	1,900	<250	<250	<250	---	---	<250	---	Day 4 (2nd). 1185N+S&PO
INF-PO	4/10/13	0.5	700	<250	<250	<250	---	---	<250	---	Day 1 - PO Only Test
INF-PO	4/15/13	0.5	370	<250	<250	<250	---	---	<250	---	Day 5 - PO Only Test
INF-V-1185N	5/13/13	0.5	1,300	<250	<250	<250	---	---	<250	---	Short Test 1185N Only

Residential ESL for subslab gas:	210	300	---	31,000	42	Varies	Varies	NA
Commercial ESL for subslab gas:	2,100	3,000	---	260,000	420	Varies	Varies	NA
10X Residential ESL for subslab gas:	2,100	3,000	---	310,000	420	Varies	Varies	NA

### SOIL GAS (About 5 feet deep into site soil)

#### 1187 Solano Avenue

SG-1	11/02/04	5.0	390	ND	ND	ND	<100	(R)	misc	---	Outside
SG-2	11/02/04	5.0	90,000	10,000	100	390	<100	(S)	misc	---	
SG-3	11/02/04	5.0	100,000	7,900	ND	ND	<100	(T)	misc	---	
SG-4	11/02/04	5.0	170,000	5,500	ND	ND	<100	(U)	misc	---	

Residential CHHSL for shallow soil gas:	180	528	15,900	31,900	36			Varies	NA
Commercial CHHSL for shallow soil gas:	600	1,770	44,400	88,700	120			Varies	NA
Residential ESL for shallow soil gas:	210	300	---	31,000	42			Varies	NA
Commercial ESL for shallow soil gas:	2,100	3,000	---	260,000	420			Varies	NA
10x Residential ESL shallow soil gas:	2,100	3,000	---	310,000	420			Varies	NA

**Table 3. Subslab and Soil Gas Analytical Data - 1185 - 1191 Solano Avenue, Albany, California**

Boring/ Sample ID	Date Sampled	Sample Depth (ft bgs)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Benzene	TEX	Other VOCs	Helium	Notes
			← $\mu\text{g}/\text{m}^3$ →						%		

**Abbreviations:**

Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, and Helium analyzed by Method TO-15 or EPA Method 8260 (sometimes 8010 report list).

Benzene by Method TO-15 or EPA Method 8260.

TEX = Toluene, ethylbenzene, and xylenes by Method TO-15 or EPA Method 8260.

Other VOCs = Volatile Organic Compounds except for Tetrachloroethene, Trichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene and Helium analyzed by Method TO-15 or EPA Method 8260 (sometimes only 8010 list).

$\mu\text{g}/\text{m}^3$  = Micrograms per cubic meter of air.

ft bgs = Depth interval below ground surface (bgs) in feet.

NA= not applicable

ND = not detected above laboratory reporting limits.

< n = Chemical not present at a concentration in excess of detection limit shown.

CHHSL = California Human Health Screening Levels for Soil Gas below buildings constructed without engineered fill below sub-slab gravel with Commercial/Industrial Land Use Updated 9/23/2010.

<http://ehha.ca.gov/risk/chhstable.html>. Commercial CHHSL assumes 24 hr exposure, versus 8 hr exposure for commercial ESL.

CHHSL (subslab) = California Human Health Screening Levels for subslab gas has an attenuation factor of 0.05 of indoor air screening levels per CalEPA/DTSC Vapor Intrusion Guidance Document, October 2011 (p 21).

ESL = Environmental Screening Level for Shallow Soil Gas for Evaluation of Potential Vapor Intrusion (Table E-2). Established by the SFBRWQCB, Interim Final - November 2007 (Revised May 2013).

Tetrachloroethene also referred to as Perchloroethene, PCE or Perc.

**Bold** concentrations exceed **commercial CHHSL**.

\*TEX detection limits for TO-15 = toluene 8.8  $\mu\text{g}/\text{m}^3$ , ethylbenzene 8.8  $\mu\text{g}/\text{m}^3$ , and xylenes 27  $\mu\text{g}/\text{m}^3$  Highest detection limit shown above.

Note A: 7.2  $\mu\text{g}/\text{m}^3$  **benzene** and 13  $\mu\text{g}/\text{m}^3$  chloroform

Note B: 7.2  $\mu\text{g}/\text{m}^3$  tetrahydrofuran and 32  $\mu\text{g}/\text{m}^3$  ethyl acetate

Note C: 23  $\mu\text{g}/\text{m}^3$  chloroform

Note D: 28  $\mu\text{g}/\text{m}^3$  **benzene**, 80  $\mu\text{g}/\text{m}^3$  chloroform, and 49  $\mu\text{g}/\text{m}^3$  1,1-dichloroethene

Note E: 8.1  $\mu\text{g}/\text{m}^3$  tetrahydrofuran and 9.1  $\mu\text{g}/\text{m}^3$  vinyl chloride

Note F: 210  $\mu\text{g}/\text{m}^3$  ethanol and 14  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note G: 290  $\mu\text{g}/\text{m}^3$  4-methyl-2-pentanone and 19  $\mu\text{g}/\text{m}^3$  **toluene** (possibly associated with building materials).

Note H: 310  $\mu\text{g}/\text{m}^3$  acetone and 71  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note I: 250  $\mu\text{g}/\text{m}^3$  acetone, 51  $\mu\text{g}/\text{m}^3$  isopropyl alcohol, 21  $\mu\text{g}/\text{m}^3$  styrene, 15  $\mu\text{g}/\text{m}^3$  **toluene**, 7.1  $\mu\text{g}/\text{m}^3$  carbon disulfide, and 8.9  $\mu\text{g}/\text{m}^3$  4-methyl-2-pentanone

Note J: 390  $\mu\text{g}/\text{m}^3$  acetone, 13  $\mu\text{g}/\text{m}^3$  styrene, and 38  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note K: 320  $\mu\text{g}/\text{m}^3$  acetone and 61  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note L: 240  $\mu\text{g}/\text{m}^3$  acetone and 39  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note M: 200  $\mu\text{g}/\text{m}^3$  acetone, 9.0  $\mu\text{g}/\text{m}^3$  carbon disulfide, and 22  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note N: 200  $\mu\text{g}/\text{m}^3$  acetone, 20  $\mu\text{g}/\text{m}^3$  carbon disulfide, and 29  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note O: 180  $\mu\text{g}/\text{m}^3$  acetone and 32  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note P: 210  $\mu\text{g}/\text{m}^3$  acetone, 51  $\mu\text{g}/\text{m}^3$  ethyl acetate, and 35  $\mu\text{g}/\text{m}^3$  tetrahydrofuran

Note Q: 350  $\mu\text{g}/\text{m}^3$  ethyl acetate and 26,000  $\mu\text{g}/\text{m}^3$  ethanol

Note R: 650  $\mu\text{g}/\text{m}^3$  **toluene**, 170  $\mu\text{g}/\text{m}^3$  **ethylbenzene**, and 980  $\mu\text{g}/\text{m}^3$  **xylenes**

Note S: 500  $\mu\text{g}/\text{m}^3$  **toluene**, 120  $\mu\text{g}/\text{m}^3$  **ethylbenzene**, and 650  $\mu\text{g}/\text{m}^3$  **xylenes**

Note T: 1,400  $\mu\text{g}/\text{m}^3$  **toluene** and 1,400  $\mu\text{g}/\text{m}^3$  **xylenes**

Note U: 1,600  $\mu\text{g}/\text{m}^3$  **toluene** and 1,600  $\mu\text{g}/\text{m}^3$  **xylenes**

Note V: 46 **ethylbenzene**, 3.7 **toluene**, 230 **xylenes**, 220 acetone, 300 2-butanone, 2,200 tetrahydrofuran (glue?), 12 chloroform, 210 ethanol (see report for additional)

Note W: 57 **ethylbenzene**, 5.5 **toluene**, 300 **xylenes**, 190 acetone, 310 2-butanone, 2,200 tetrahydrofuran (glue?), 18 chloroform, 470 ethanol (see report for additional)

Note X: 62 **ethylbenzene**, 3.7 **toluene**, 350 **xylenes**, 160 acetone, 160 2-butanone, 2,200 tetrahydrofuran (glue?), 7.1 chloroform (see report for additional)

Note Y: 4.0 **toluene**, 11 **xylenes**, 120 acetone, 160 2-butanone, 36 tetrahydrofuran (glue?) (see report for additional)

Note Z: 3.5 **ethylbenzene**, 6.6 **toluene**, 17 **xylenes**, 77 acetone (see report for additional)

Note a: 13 **ethylbenzene**, 6.0 **toluene**, 93 **xylenes**, 62 acetone, 3.5 carbon disulfide, 52 tetrahydrofuran (glue?) (see report for additional)

Note b: 6.5 **ethylbenzene**, 4.3 **toluene**, 48 **xylenes**, 8.7 carbon disulfide, 24 tetrahydrofuran (glue?), 130 ethanol (see report for additional)

Note c: 8.2 **ethylbenzene**, 4.2 **toluene**, 60 **xylenes**, 2.6 carbon disulfide, 18 tetrahydrofuran (glue?) (see report for additional)

Note d: 4.7 **ethylbenzene**, 4.1 **toluene**, 33 **xylenes**(see report for additional)

Note e: 5.3 **ethylbenzene**, 4.8 **toluene**, 37 **xylenes**, 94 acetone, 11 carbon disulfide, 9.2 tetrahydrofuran (glue?) (see report for additional)

Note f: 3.5 **ethylbenzene**, 3.7 **toluene**, 23 **xylenes**, 260 acetone, 2.5 carbon disulfide, 6.0 tetrahydrofuran (glue?) (see report for additional)

Note g: 3.1 **toluene**, 5.3 chloroform, 3.6 styrene, 2.7 tetrahydrofuran (glue?), 3.1 1,2,4-Trimethylbenzene

# Pangea

**Table 4. Indoor Air - 1183 - 1191 Solano Avenue, Albany, California**

Boring/ Sample ID	Date Sampled	ug/m <sup>3</sup>																	Notes
		Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Carbon Tetrachloride	Acetone	Bromomethane	Chloroform	1,4-dichlorobenzene	Benzene	Ethylbenzene	Toluene	Xylenes	1,2-dibromochloroethane (EDB)	1,2-dichlorobenzene (DCA)	Naphthalene	Other VOCs	
Residential ESL for Indoor Air:		0.41	0.41	---	63	0.058	32,000	5.2	0.46	0.22	0.084	0.97	310	100	0.032	0.12	0.072	Varies	
Commercial ESL for Indoor Air:		<b>2.1</b>	<b>3.0</b>	---	260	<b>0.29</b>	140,000	22	2.3	1.1	<b>0.42</b>	4.9	1,300	440	0.17	<b>0.58</b>	<b>0.36</b>	Varies	
Residential CHHSL for Indoor Air:		0.412	1.22	36.5	73	0.0579	---	---	---	---	0.084	---	313	730	---	0.116	0.072	Varies	
10X Residential CHHSL for Indoor Air:		4.12	12.2	365	730	0.579	---	---	---	---	0.84	---	3,130	7,300	---	1.16	0.72	Varies	
Commercial CHHSL for Indoor Air:		0.693	2.04	51.1	102	0.0973	---	---	---	---	0.141	---	438	1,020	---	0.195	0.12	Varies	
<i>1183 Solano Avenue</i>																			
Air 1183 8hr	10/03/13	0.44	0.027	<0.40	<0.40	<b>0.54</b> <sup>(1,2)</sup>	45	0.89	0.28	0.078	0.39	1.9	1.3	11	0.023	<b>1.1</b>	<b>0.61</b> <sup>(2)</sup>	Varies	8 hr sample. Fan on.
Air 1183 24hr	10/03/13	1.1	0.048	<0.40	<0.40	<b>0.53</b> <sup>(1,2)</sup>	46	0.72	0.19	0.06	0.29	2.3	1.9	14	0.02	<b>1.7</b>	<b>0.51</b> <sup>(2)</sup>	Varies	24 hr sample. Fan on 8 hrs.
Air 1183 8hr	12/18/13	1.2	0.070	<0.40	<0.40	<b>0.45</b> <sup>(1,2)</sup>	86	<0.39	0.21	0.14	<b>1.2</b> <sup>(2)</sup>	1.8	4.5	9.1	<0.0078	<b>0.65</b>	<b>0.44</b> <sup>(2)</sup>	Varies	8 hr sample. Heat on.
Air 1183 8hr	03/06/14	0.51	0.094	<0.40	<0.40	<b>0.41</b> <sup>(1,2)</sup>	59	<0.39	0.32	0.086	<b>0.56</b> <sup>(2)</sup>	1.5	4.6	7.6	<0.0078	<b>1.7</b>	<b>0.52</b> <sup>(2)</sup>	Varies	24 hr sample.
<i>1185 Solano Avenue</i>																			
Air 1185 8hr	12/18/13	0.50	0.034	<0.40	<0.40	<b>0.47</b> <sup>(1,2)</sup>	44	<0.39	0.15	0.087	<b>1.1</b> <sup>(2)</sup>	0.81	2.6	4.0	<0.0078	0.12	0.28	Varies	8 hr sample
Air 1185/87 24hr*	03/06/14	0.44	0.025	<0.4	<0.40	<b>0.44</b> <sup>(1,2)</sup>	24	<0.39	0.30	0.10	<b>0.52</b> <sup>(2)</sup>	<0.44	1.5	2.2	<0.0078	0.13	0.20	Varies	24 hr sample from wall opening.
<i>1187 Solano Avenue</i>																			
Air 1187 8hr	09/27/13	0.85	0.041	<0.40	<0.40	<b>0.57</b> <sup>(1,2)</sup>	100	0.82	0.20	0.056	<b>0.52</b> <sup>(2)</sup>	2.2	1.6	12	0.0086	0.084	0.25 <sup>(2)</sup>	Varies	8 hr sample
Air 1187 8hr	12/18/13	0.45	0.030	<0.40	<0.40	<b>0.44</b> <sup>(1,2)</sup>	43	<0.39	0.18	0.078	<b>1.0</b> <sup>(2)</sup>	0.64	2.4	3.1	<0.0078	0.094	<b>0.46</b> <sup>(2)</sup>	Varies	8 hr sample
Air 1185/87 24hr*	03/06/14	0.44	0.025	<0.4	<0.40	<b>0.44</b> <sup>(1,2)</sup>	24	<0.39	0.30	0.10	<b>0.52</b> <sup>(2)</sup>	<0.44	1.5	2.2	<0.0078	0.13	0.20	Varies	24 hr sample from wall opening.
<i>1191 Solano Avenue</i>																			
Air 1191 Break 8hr	10/03/13	0.40	0.023	<0.40	<0.40	<b>0.66</b> <sup>(1,2)</sup>	30	0.82	0.30	0.14	0.37	0.92	4.1	4.7	0.015	0.093	<b>0.39</b> <sup>(2)</sup>	Varies	8 hr sample. Break room.
USPS-ALB-Air1	12/18/13	0.39	<0.18	<0.13	<0.67	<1.0	20	<3.3	<0.82	<1.0	<b>1.3</b> <sup>(2)</sup>	1.1	8.2	4.8	<1.3	<0.68	NA	Varies	8 hr sample. Break room.
Air 1191 Break 24hr	03/06/14	0.16	0.013	0.058	<0.40	<b>0.60</b> <sup>(1,2)</sup>	30	<0.39	0.61	0.15	<b>0.52</b> <sup>(2)</sup>	<0.44	6.1	1.6	<0.0078	0.058	0.22	Varies	24 hr sample. Break room.
Air 1191 8hr	10/03/13	0.36	0.020	<0.40	<0.40	<b>0.68</b> <sup>(1,2)</sup>	36	0.74	0.41	0.15	0.39	1.1	7.7	5.7	0.014	0.12	<b>0.38</b> <sup>(2)</sup>	Varies	8 hr sample. Work room (on safe).
Air 1191 24hr	10/03/13	0.37	0.021	<0.40	<0.40	<b>0.73</b> <sup>(1,2)</sup>	37	0.81	0.41	0.16	0.39	1.8	6.3	9.4	0.013	0.15	<b>0.46</b> <sup>(2)</sup>	Varies	24 hour sample. Work room.
USPS-ALB-Air2	12/18/13	0.26	<0.17	<0.12	<0.62	<0.99	24	<3.0	<0.77	<0.94	<b>1.9</b> <sup>(2)</sup>	1.2	8.9	5.1	<1.2	<0.64	NA	Varies	8 hr sample. Work room (on safe).
Air 1191 24hr	03/06/14	0.14	0.015	<0.40	<0.40	<b>0.58</b> <sup>(1,2)</sup>	24	<0.39	0.56	0.17	<b>0.55</b> <sup>(2)</sup>	0.48	7.6	1.7	<0.0078	0.063	0.29	Varies	24 hour sample. Work room (on safe).
<i>Background</i>																			
Air Background 8hr	10/03/13	0.053	<0.0055	<0.40	<0.40	<b>0.53</b> <sup>(1,2)</sup>	15	0.69	0.24	0.029	0.25	<0.44	0.47	<1.3	0.0093	0.038	0.16	Varies	Upwind 8 hr sample. On breezy roof.
USPS-ALB-Air3	12/18/13	<0.22	<0.89	<0.13	<0.66	<1.0	8.9	<3.2	<0.81	<1.0	<b>1.5</b> <sup>(2)</sup>	0.86	3.8	3.2	<1.3	<0.67	NA	Varies	Upwind 8 hr sample. Courtyard roof.
Air Ambien 24hr	03/06/14	0.058	<0.0055	<0.40	<0.40	<b>0.48</b> <sup>(1,2)</sup>	20	<0.39	0.20	0.11	<b>0.50</b> <sup>(2)</sup>	<0.44	1.2	<1.3	<0.0078	0.060	0.098	Varies	Upwind 24 hr sample. In breezy tree.

**Abbreviations:**

1= Carbon tetrachloride presumably associated with refrigerant as compound is involved with refrigerant manufacturing and other refrigerants detected in sample (dichlorodifluoromethane and trichlorofluoromethane).

2= Compound not detected in site subsurface; result could be representative of background conditions due to similar concentration detected in ambient air and other indoor air samples.

PCE = Tetrachloroethene, also referred to as Perchloroethene or 'Perc'.

TCE = 1,1,1-trichloroethene.

VOCs analyzed by Method TO-15

Other VOCs = Volatile Organic Compounds other than listed above as quantified by Method TO-15.

ug/m<sup>3</sup> = Micrograms per cubic meter of air.

NA= not analyzed or not applicable

< n = Chemical not present at a concentration in excess of detection limit shown.

CHHSL = California Human Health Screening Levels for Indoor Air Updated 9/23/2010. <http://oehha.ca.gov/risk/chhstable.html>. Commercial CHHSL assumes 24 hr exposure, versus 8 hr exposure for commercial ESL.

ESL = Environmental Screening Level for Indoor Air (Table E-3). Established by the SFBRWQCB, Interim Final - November 2007 (Revised Feb 2013).

\* = Air sampled collected at large wall opening between units at 1185 and 1187 Solano.

**Bold** concentrations exceed commercial ESL.