7200 Bancroft Avenue, LLC

201 WILSHIRE BOULEVARD
SANTA MONICA, CA 90401
TEL: (310) 883-7900
FAX: (310) 883-7910

RECEIVED
By Alameda County Environmental Health 2:23 pm, Dec 16, 2015

December 15, 2015

1488.001.01.001

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

Transmittal
Work Plan for Soil Vapor Sampling
Sparkle Cleaners
7000 Bancroft Avenue
Oakland, California
SLIC Case RO0002942

Dear Mr. Wickham:

Submitted herewith for your review is the *Work Plan for Soil Vapor Sampling, Sparkle Cleaners, 7000 Bancroft Avenue, Oakland, California* dated December 15, 2015, prepared by PES Environmental, Inc.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Yours very truly,

Palm Peninsula, LLC and 7200 Bancroft, LLC

Jacob Levy
Member of 7200 Bancroft, LLC

cc: Gary Thomas – PES Environmental, Inc.

148800101T001.docx

PES Environmental, Inc.
Engineering & Environmental Services

December 15, 2015

1488.001.01.001

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Jerry Wickham

WORK PLAN FOR SOIL VAPOR SAMPLING
SPARKLE CLEANERS
7000 BANCROFT AVENUE
OAKLAND, CALIFORNIA

Dear Mr. Wickham:

On behalf of Palm Peninsula, LLC and 7200 Bancroft LLC, the tenants-in-common owner of the subject property, PES Environmental, Inc. (PES) has prepared this Work Plan to conduct soil vapor sampling at the Sparkle Cleaners facility located at 7000 Bancroft Avenue in the Eastmont Town Center, Oakland, California (the site). The site location and configuration are presented on Plates 1 and 2. Sparkle Cleaners is an active dry-cleaning facility. Until approximately December 2008, tetrachloroethene (PCE) was used as the dry-cleaning solvent. At that time the PCE-based equipment was decommissioned, removed from the property, and replaced with new clothes cleaning equipment that utilizes "wet-cleaning" technology with a soy-based cleaner (i.e., no hazardous chemicals are used or stored on the site).

In order to move the case towards closure, Alameda County Environmental Health (ACEH) requested that a work plan be prepared to conduct "sampling within the source area and downgradient from the source area to confirm that the residual contamination at the site does not pose a risk of vapor intrusion".[1]

Background information for the site and the proposed scope of work are presented below.

[1] ACEH, 2015. *Subject: SLIC Case RO0002942 and Geotracker Global ID SLT19735483, Sparkle Cleaners, 7000 Bancroft Avenue, Oakland, CA 94605*. August 26.

BACKGROUND INFORMATION

Site Description

The Sparkle Cleaners tenant space (Suite 11) covers approximately 1,800 square feet in the northwest portion of Eastmont Town Center (Plate 2). The area in front (north) of Sparkle Cleaners includes storefront parking and a mall driveway. The rear (south) of the tenant space opens into a common hallway that traverses the width of the building from east to west. An alleyway is located approximately 20 feet to the east.

The ground surface elevation at Sparkle Cleaners is approximately 60 feet above mean sea level (MSL). The site topography slopes gently to the southwest. To the east and northeast of the site, the topography steepens and continues to rise to approximately 360 feet MSL (Plate 1).

Summary of Previous Environmental Investigations and Remedial Actions

As part of environmental due diligence activities during a prior real estate transaction, PES conducted a subsurface investigation in October 2006[2] to evaluate for the presence of dry cleaning solvents beneath and in the vicinity of Sparkle Cleaners. The results of the investigation are presented in the October 25, 2006 document titled *Summary of Phase II Testing Results, Sparkle Cleaners, Eastmont Town Center*. Pertinent data from this investigation is included in the Appendix. The investigation consisted of: (1) soil matrix and soil vapor sampling at six interior locations and four exterior locations; (2) one grab groundwater sample collected in the service alley along the northeast exterior side of Sparkle Cleaners.

Prior sampling locations are shown on Plate 3. PCE, trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE) were detected in the majority of the soil vapor samples. In addition, PCE was detected in the three interior soil matrix samples near the location of the former dry-cleaning unit (DCU) at concentrations ranging from 1,400 to 3,000 micrograms per kilogram (μg/kg). No volatile organic compounds (VOCs) were detected in the other interior soil matrix samples, the exterior soil matrix samples, or the exterior groundwater sample from location B-3.

[2] PES, 2006. *Summary of Phase II Testing Results, Sparkle Cleaners, Eastmont Town Center, Oakland, California*. October 25.

Additional investigation was performed in November 2006, to further evaluate the extent of PCE-affected soil and groundwater. The results of this subsequent investigation are presented in the January 5, 2007 document titled *Remedial Action Workplan, Sparkle Cleaners, Eastmont Town Center*[3] (RAW), which was reviewed and approved by ACEH. Pertinent data from this investigation is included in the Appendix. As part of the investigation, soil matrix samples were collected at 10 interior drilling locations at depths ranging up to 18 feet below ground surface (bgs). In addition, groundwater samples were collected from four sample locations in the parking lot and driveway areas to the northwest and southwest of Sparkle Cleaners. These sampling locations are shown on Plates 2 and 3. PCE (up to 140 μg/kg) and TCE (up to 6.8 μg/kg) were detected in the soil samples; no other VOCs were detected. PCE and TCE were also detected in two of the four groundwater grab samples at concentrations ranging up to 40 and 2.4 micrograms per liter (μg/L), respectively.

In July 2007, remedial actions were implemented at the Sparkle Cleaners facility to: (1) remove with elevated concentrations of VOCs related to dry-cleaning operations; and (2) assess and monitor VOC concentrations in groundwater following removal of the source of contamination. The remedial actions were conducted in accordance with the RAW. Soil excavation was conducted to remove soil containing concentrations of PCE above the target soil cleanup concentration of 240 μg/kg. The excavation extended vertically to an approximate depth of 5.5 feet bgs and resulted in removal of approximately 37 cubic yards of soil (Plate 3). The excavation was backfilled using controlled density fill. The results of the remedial action activities are presented in the September 9, 2007 document titled *Post-Remediation Report, Voluntary Soil Remediation*[4]. Pertinent data from this report are included in the Appendix.

In accordance with the RAW, four monitoring wells (i.e., MW-01 through MW-04) were installed in July 2007 to evaluate groundwater conditions near Sparkle Cleaners (Plate 2). To date, 13 groundwater monitoring events (on a quarterly or semi-annual basis) have been conducted at the site. Pertinent data associated with groundwater monitoring activities is included in the Appendix. Based on the groundwater elevation data collected during the most recent monitoring event conducted in March 2015[5], groundwater flow is westerly, which is consistent with previous monitoring events. The only VOC constituents detected above laboratory reporting limits in groundwater during this monitoring event were PCE, TCE, and cis-1,2-DCE. The maximum concentrations of PCE and TCE were detected in well MW-01 at 140 μg/L and 3.5 μg/L, respectively. Groundwater monitoring data collected since removal

---

[3] PES, 2007a. *Remedial Action Workplan, Voluntary Soil Remediation, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. January 5.

[4] PES, 2007b. *Post-Remediation Report, Voluntary Soil Remediation, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. September 9.

[5] PES, 2015. *Groundwater Monitoring Report, First Semi-Annual 2015 Event, Sparkle Cleaners, Eastmont Town Center, 7000 Bancroft Avenue, Oakland, California*. June 5.

of the vadose zone source area have indicated that VOC concentrations are fairly stable in downgradient monitoring wells MW-01 and MW-02.

SCOPE OF WORK

As shown on Plate 3, eight temporary soil vapor probes will be installed to evaluate soil vapor conditions within and or immediately adjacent to the Sparkle Cleaners tenant space as follows:

- Five soil vapor sampling locations are proposed in the vicinity of the former source area (i.e., near the former DCU) where soil remediation was conducted in 2007;
- One soil vapor sampling location is proposed near the current DCU; and
- Two soil vapor sampling locations are proposed in the northwestern portion of Sparkle Cleaners to evaluation conditions downgradient of the former source area.

The methods and procedures that will be used during the soil vapor investigation are presented below.

Field Planning Activities

Prior to conducting the proposed scope of work, PES will:

- Obtain a drilling permit from the Alameda County Public Works Agency (ACPWA);
- Coordinate with the subcontractors; and
- Contact Underground Service Alert to schedule visits by public and private utility companies to locate their underground utilities. In addition, a private underground utility locating service will be contracted to conduct a subsurface electromagnetic survey to screen the proposed sampling locations for the presence of subsurface utilities.

The existing site-specific Health and Safety Plan, which complies with applicable federal and California Occupational Safety and Health Administration (OSHA) guidelines, will be used during the implementation of this work.

Soil Vapor Probe Installation and Sampling Methods and Procedures

An active soil vapor investigation will be conducted at locations discussed above to assess whether the residual contamination at the site poses a risk of vapor intrusion. The active soil vapor investigation will be conducted in accordance with the procedures outlined in the *Advisory for Active Soil Gas Investigations* (ASGI) published by the Department of Toxic Substances Control, the Regional Water Quality Control Board, Los Angeles Region and the California Regional Water Quality Control Board, San Francisco Bay Region dated July 2015[6]. The soil vapor samples will be collected at approximately 5 feet bgs.

The temporary soil vapor probes will be installed using a hand-held rotary hammer equipped to drive direct-push tooling. The temporary soil vapor probes will be installed in an approximate 1-inch diameter borehole. A PES geologist or engineer will supervise the drilling and probe installation activities.

Once the target depth is reached, ¼-inch outside-diameter Teflon® tubing equipped with a filter cartridge will be extended to the bottom of the rod and a minimum 1-foot thick sand pack will be placed around it as the rod is slowly raised. One foot of dry granular bentonite will be placed on top of each sand pack, followed by hydrated bentonite to the surface. The soil vapor probe will be allowed to equilibrate for a minimum of 2 hours prior to purging and soil vapor sampling.

Prior to the collection of soil vapor samples, shut-in leak testing, purging, and sample train leak testing will be performed at each sample location. The shut-in test will consist of assembling above-ground sampling apparatus (e.g., valves, lines and fittings downstream from the top of the probe), and evacuating the lines to a measured vacuum of approximately 100 inches of water column (in-H2O), then shutting the vacuum in with closed valves on opposite ends of the sampling train. A vacuum gauge will be used to assess if there is any observable loss of vacuum (for at least one minute) prior to purging and the collection of soil vapor samples. If observable vacuum loss is noted, the sample train will be re-assembled and the shut-in test will be repeated. This process will be repeated as necessary until a successful shut-in test has been performed.

A default of three purge volumes will be extracted prior to collecting the soil vapor samples. The stagnant air will be purged with a six-liter SUMMA canister. The purge volume will be calculated using the volumes of: (1) the internal volume of the tubing; (2) the void space of the sand pack around the probe tip; and (3) the void space of the dry bentonite in the annular

[6] DTSC, 2015. *Advisory - Active Soil Gas Investigations*. Jointly developed by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC), and the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) and RWQCB - San Francisco Region (SFRWQCB). July.

space. In accordance with the ASGI, purging and collection of soil vapor samples will be performed using a flow rate of 100 to 200 milliliters per minute (mL/min) and maintaining a low vacuum of less than 100 inches of water to mitigate ambient air breakthrough into samples.

Following completion of the shut-in leak test and purging, sample train leak testing will be performed using a propellant tracer in combination with a shroud box. The shroud box will consist of a polycarbonate box equipped with an access port to allow charging of the box with a propellant tracer. The shroud box will be positioned over the wellhead with the sample collection tubing passing through the bottom. Once in position, the sample train will be connected to a 1-liter soil vapor sample SUMMA canister. The shroud box will then be charged by spraying the tracer propellant into the shroud box. The shroud box will be allowed to remain in place for the duration of sampling. For quality assurance/quality control (QA/QC) evaluation, a second 1-liter SUMMA canister will be placed within the shroud and used to collect a shroud air sample concurrent with each soil vapor sample. The shroud air sample will be analyzed for the tracer gas only to quantitatively assess representative leak check compound concentrations in the shroud.

A 1-liter vapor sample SUMMA canister that is batch-certified clean by a California-certified analytical laboratory will be utilized to collect the soil vapor sample. Each shroud and soil vapor sample canister will be filled until the vacuum gauge reads approximately 5 inches of mercury (Hg) or less. Field QA/QC samples for the soil vapor investigation will consist of one duplicate sample per every ten samples. The duplicate sample will be collected concurrent with the collection of the primary sample.

After sampling, the SUMMA canisters will be transported to the analytical laboratory under chain-of-custody protocol. The soil vapor samples and duplicates will be analyzed by K-Prime Inc. (K-Prime), of Santa Rosa, California for VOCs using U.S. Environmental Protection Agency (U.S. EPA) Test Method TO-15 and for the propellant tracer by U.S. EPA Test Method TO-3. In addition, the shroud samples will be analyzed for the propellant tracer by U.S. EPA Test Method TO-3.

Upon completion of soil vapor sampling activities, the boreholes will be overdrilled and backfilled to the surface with a neat cement grout. Grouting will be performed on the same day the temporary soil vapor probes are advanced and sampled. The borehole surface will be patched to match the existing surface materials.

To reduce the potential for cross-contamination between sampling locations, downhole soil vapor equipment will be thoroughly cleaned prior to initiating work at each sampling location with either: (1) a dilute Alconox solution, rinse with potable water, and final rinse with distilled water; or (2) a high-pressure hot water wash.

Decontamination fluids and soil cuttings generated during the soil vapor investigation will be temporarily stored on the site. The investigation-derived waste (IDW) will be stored in secured, labeled 55-gallon steel drums, until proper off-site management in accordance with applicable State and Federal laws can be arranged. The IDW will be disposed of or recycled based on the results of the laboratory analyses and/or existing waste characterization data.

REPORTING

A description of the methods and procedures of the above-referenced scope of work will be presented in a report along with the results of the sampling activities. The report will also provide tabulated data, illustrations of contaminant concentrations, laboratory reports, findings of the completed scope of work, and recommendations, as appropriate.

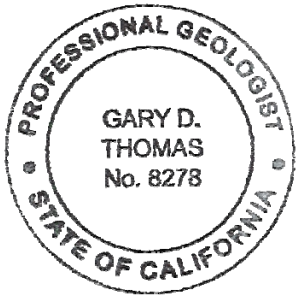
SCHEDULE

It is anticipated that the field work (including drilling permit and utility clearance) will be performed approximately three weeks after receiving ACEH approval of the Work Plan, depending on drilling subcontractor availability. Laboratory analysis will take approximately two weeks. A report summarizing the field investigation and presenting the testing results will be submitted to ACEH within approximately six weeks following receipt of the laboratory analytical results.

Please call Will Mast at (415) 899-1600 if you have any questions or comments regarding this work plan.

Very truly yours,

PES ENVIRONMENTAL, INC.



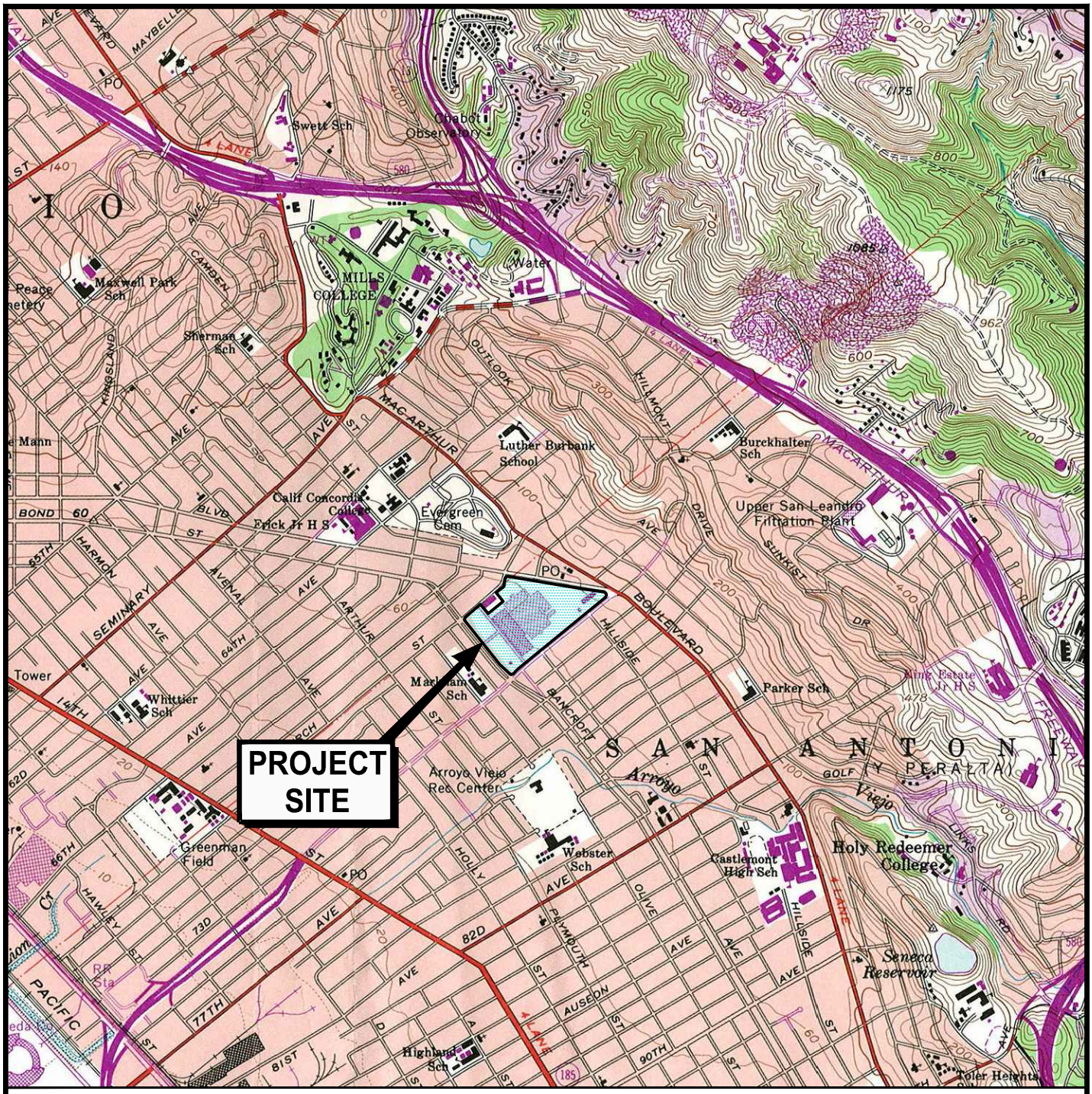
Gary Thomas, P.G.
Associate Geologist

William W. Mast, P.G.
Principal Engineer

Attachments: Plate 1 – Site Location
Plate 2 – Site Plan
Plate 3 – Proposed Soil Vapor Sampling Locations
Appendix – Pertinent Historical Investigation Data

cc: Jacob Levy – Palm Peninsula, LLC and 7200 Bancroft LLC

ILLUSTRATIONS



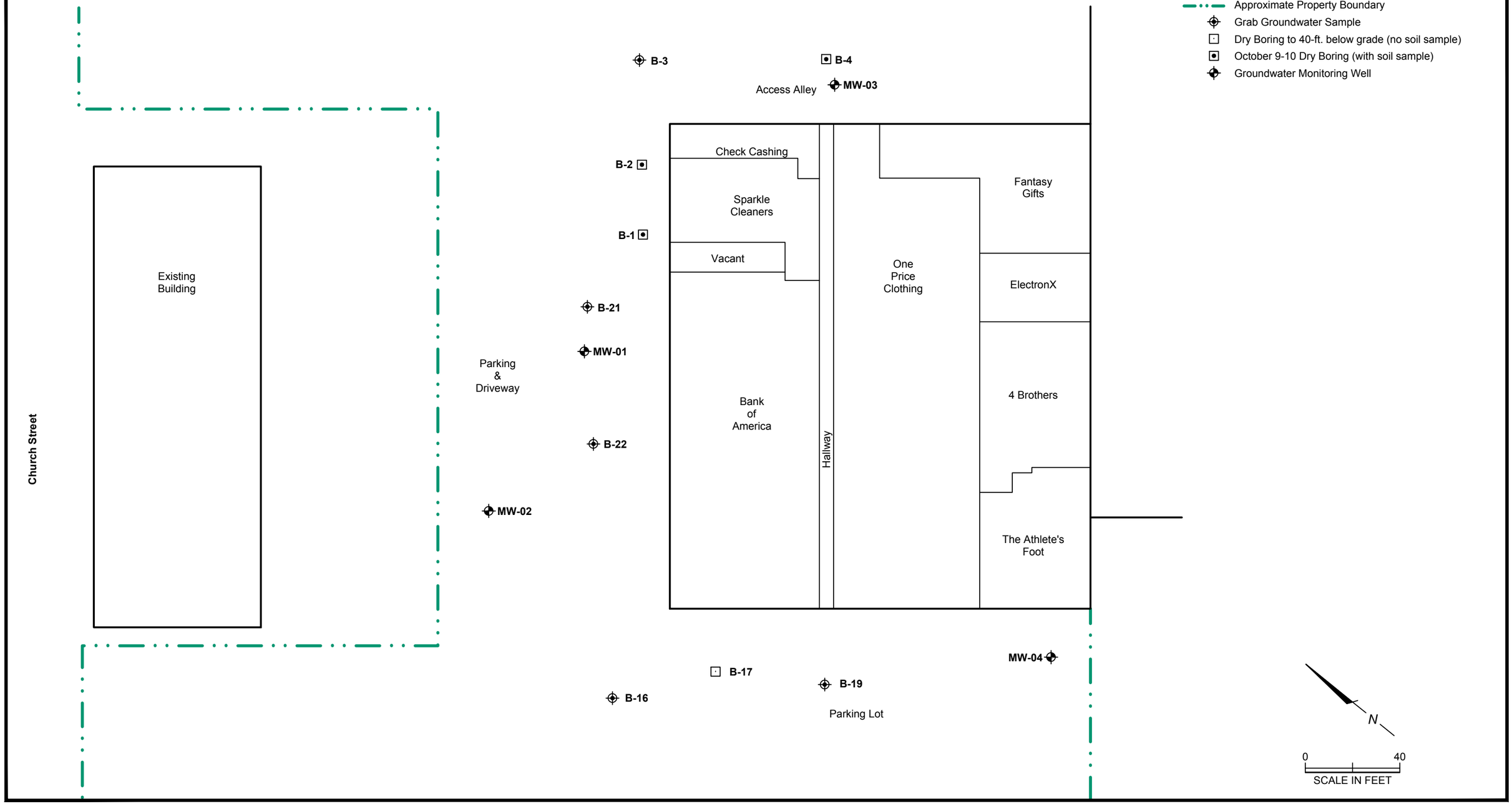
U.S.G.S. Topo Map - Oakland East, California, 7.5-minute quadrangle. Map version 1959; current as of 1980.

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
Work Plan for Soil Gas Sampling
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
1

1488.001.01.001	1488-00101001_1	GDT	12/15
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

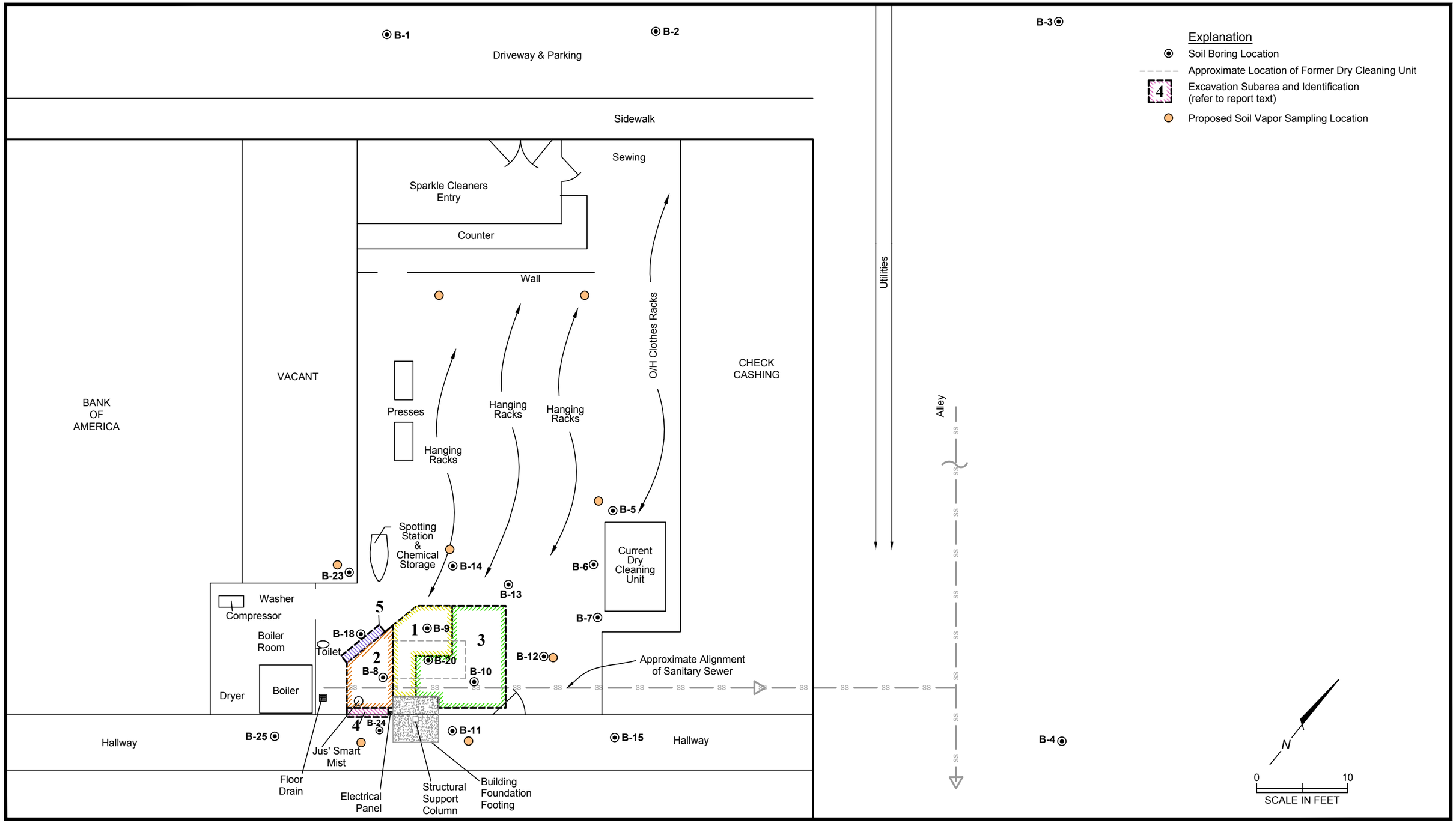


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan
Work Plan for Soil Gas Sampling
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
2

1448.001.01.001	1488-00101001_2-3	GDT	12/15
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Proposed Soil Vapor Sampling Locations
Work Plan for Soil Gas Sampling
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
3

1488.001.01.001	1488-00101001_2-3	GDT	12/15
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

APPENDIX

PERTINENT HISTORICAL INVESTIGATION DATA

PHASE II TESTING RESULTS

PES Environmental, Inc.
Engineering & Environmental Services

SHEET	OF
JOB NO.	881.060.01.002
FILE NAME	
PROJECT: SPARKLE CLEANERS	COMPUTED BY: WWM DATE: 10.24.96
SUBJECT: EASTMONT TOWN CENTER	CHECKED BY DATE

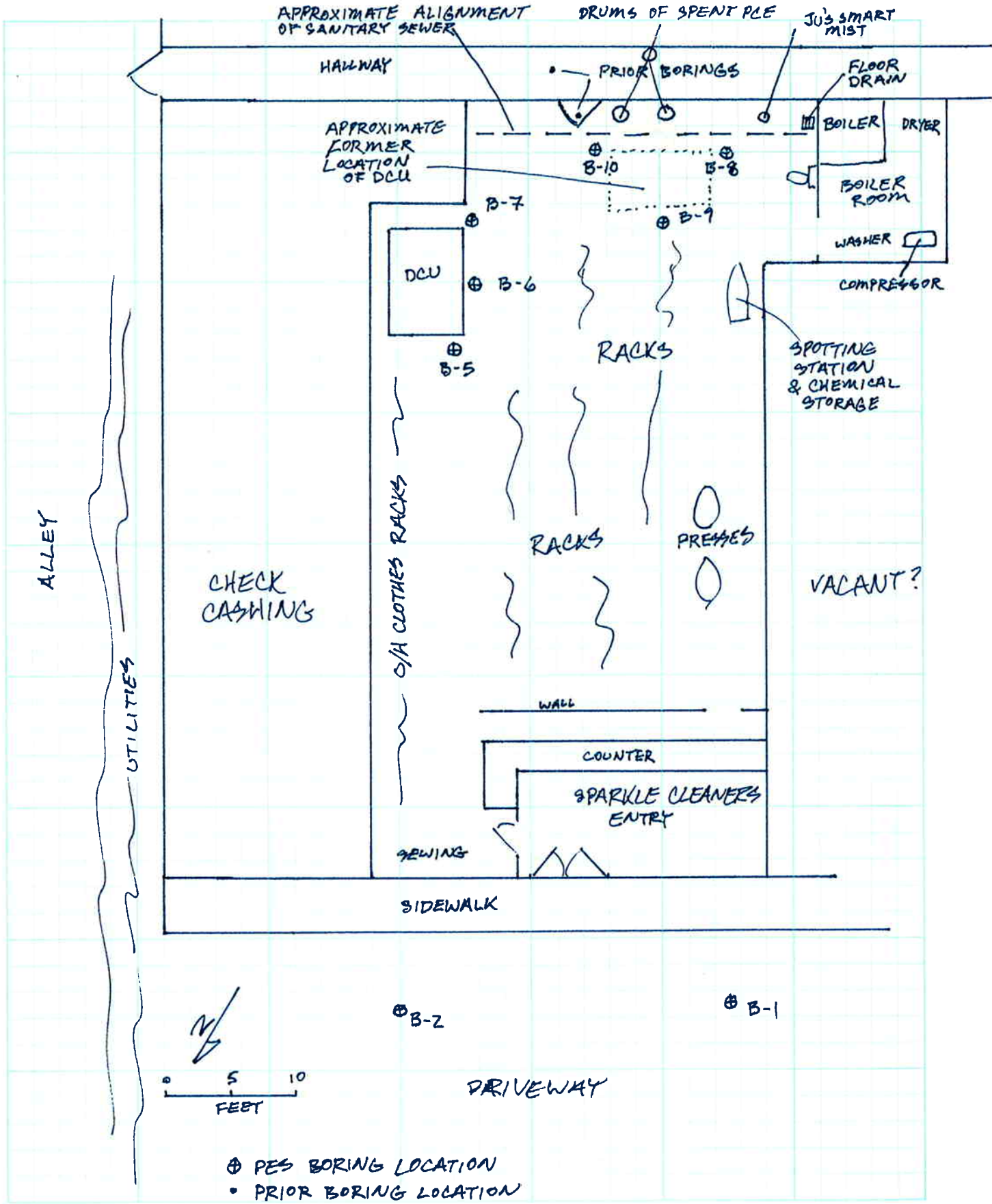


Table 1
Summary of Laboratory Analytical Results- Soil Vapor Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Date	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)
B-1	B-1-G	10/9/2006	ND(0.1)	ND(0.1)	ND(0.2)
B-2	B-2-G	10/9/2006	**0.62**	ND(0.1)	ND(0.2)
B-3	B-3-G	10/9/2006	**0.15**	ND(0.1)	ND(0.2)
B-4	B-4-G	10/9/2006	**0.26**	ND(0.1)	ND(0.2)
B-5	B-5-G	10/9/2006	**0.42**	ND(0.1)	ND(0.2)
B-6	B-6-G	10/9/2006	**0.22**	**0.16**	ND(0.2)
B-7	B-7-G	10/9/2006	**6.4**	**0.15**	ND(0.2)
B-8	B-8-G	10/9/2006	**20**	**3.9**	**0.42**
B-9	B-9-G	10/9/2006	**36**	**0.30**	ND(0.2)
B-10	B-10-G	10/9/2006	**16**	**11**	**0.26**
RWQCB Environmental Screening Level[1]			**1.4**	**4.1**	**20**

Notes:
All samples collected at 5 feet bgs
PCE - Tetrachloroethylene
TCE - Trichloroethylene
c-1,2-DCE - cis-1,2-Dichloroethene
µg/l - Micrograms per liter of air
ND() - Not detected at or above the indicated laboratory reporting limit.
1 - California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater, February 2005. Table E-2, Shallow Soil Gas Screening Levels For Evaluation of Potential Vapor Intrusion Concerns.
- Exceeds ESL

Table 2
Summary of Laboratory Analytical Results-Soil Matrix Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Date	Sample Depth (feet bgs)	PCE (µg/kg)
B-1	B-1-4.5'	10/9/2006	4.5	ND(4.0)
	B-1-19.5'	10/10/2006	19.5	ND(3.9)
B-2	B-2-4.5'	10/9/2006	4.5	ND(4.3)
	B-2-19.5'	10/10/2006	19.5	ND(3.9)
B-3	B-3-2.25'	10/9/2006	2.25	ND(4.0)
	B-3-19.5'	10/9/2006	19.5	ND(4.2)
B-4	B-4-4.5'	10/9/2006	4.5	ND(4.0)
	B-4-19.5'	10/10/2006	19.5	ND(3.9)
B-5	B-5-4.5'	10/9/2006	4.5	ND(4.1)
B-6	B-6-4.5'	10/9/2006	4.5	ND(4.1)
B-7	B-7-4.5'	10/9/2006	4.5	ND(4.0)
B-8	B-8-4.5'	10/9/2006	4.5	**1,400**
B-9	B-9-4.5'	10/9/2006	4.5	**3,000**
B-10	B-10-4.5'	10/9/2006	4.5	**2,500**
RWQCB Environmental Screening Level[1]				**240**

Notes:
bgs - Below ground surface
µg/kg - Micrograms per kilogram
PCE - Tetrachloroethylene
ND() - Not detected at or above the indicated laboratory reporting limit.
1 - California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater, February 2005. Table A-2, Shallow Soil Screening Levels (<3m bgs), Commercial / Industrial Land Use.
- Exceeds ESL

Table 3
Summary of Analytical Results - Grab Groundwater Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Depth (feet bgs)	Sample Date	PCE (µg/L)
B-1	NFWE	40	--	--
B-2	NFWE	40	--	--
B-3	B-3-W	20	10/9/2006	ND(2.0)
B-4	NFWE	40	--	--
EPA Maximum Contaminant Level[1]				**5**

Notes:
NFWE - No free water encountered
µg/l - Micrograms per liter
ND() - Not detected at or above the indicated laboratory reporting limit
1 - Environmental Protection Agency, Region 9. June 2003

REMEDIAL ACTION WORKPLAN DATA

Table 1
Summary of Laboratory Analytical Results- Soil Vapor Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Date	PCE (µg/L)	TCE (µg/L)	c-1,2-DCE (µg/L)
B-1	B-1-G	10/9/2006	ND(0.1)	ND(0.1)	ND(0.2)
B-2	B-2-G	10/9/2006	**0.62**	ND(0.1)	ND(0.2)
B-3	B-3-G	10/9/2006	**0.15**	ND(0.1)	ND(0.2)
B-4	B-4-G	10/9/2006	**0.26**	ND(0.1)	ND(0.2)
B-5	B-5-G	10/9/2006	**0.42**	ND(0.1)	ND(0.2)
B-6	B-6-G	10/9/2006	**0.22**	**0.16**	ND(0.2)
B-7	B-7-G	10/9/2006	**6.4**	**0.15**	ND(0.2)
B-8	B-8-G	10/9/2006	**20**	**3.9**	**0.42**
B-9	B-9-G	10/9/2006	**36**	**0.30**	ND(0.2)
B-10	B-10-G	10/9/2006	**16**	**11**	**0.26**
RWQCB Environmental Screening Level (ESL)[1]			**1.4**	**4.1**	**20**

Notes:
All samples collected at 5 feet bgs
PCE - Tetrachloroethene
TCE - Trichloroethene
c-1,2-DCE - cis-1,2-Dichloroethene
µg/l - Micrograms per liter of air
ND( ) - Not detected at or above the indicated laboratory reporting limit.
1 - California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater, February 2005. Table E-2, Shallow Soil Gas Screening Levels For Evaluation of Potential Vapor Intrusion Concerns.
- Exceeds ESL

Table 2
Summary of Laboratory Analytical Results-Soil Matrix Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Date	Sample Depth (feet bgs)	PCE (µg/kg)	TCE (µg/kg)
B-1	B-1-4.5'	10/9/2006	4.5	ND(4.0)	ND(4.0)
	B-1-19.5'	10/10/2006	19.5	ND(3.9)	ND(3.9)
B-2	B-2-4.5'	10/9/2006	4.5	ND(4.3)	ND(4.3)
	B-2-19.5'	10/10/2006	19.5	ND(3.9)	ND(3.9)
B-3	B-3-2.25'	10/9/2006	2.25	ND(4.0)	ND(4.0)
	B-3-19.5'	10/9/2006	19.5	ND(4.2)	ND(4.2)
B-4	B-4-4.5'	10/9/2006	4.5	ND(4.0)	ND(4.0)
	B-4-19.5'	10/10/2006	19.5	ND(3.9)	ND(3.9)
B-5	B-5-4.5'	10/9/2006	4.5	ND(4.1)	ND(4.1)
B-6	B-6-4.5'	10/9/2006	4.5	ND(4.1)	ND(4.1)
B-7	B-7-4.5'	10/9/2006	4.5	ND(4.0)	ND(4.0)
B-8	B-8-4.5'	10/9/2006	4.5	**1,400**	ND(830)
B-9	B-9-4.5'	10/9/2006	4.5	**3,000**	ND(830)
B-10	B-10-4.5'	10/9/2006	4.5	**2,500**	ND(790)
B-11	B-11-1.5-2.0	11/13/2006	2	**53**	ND(2.0)
	B-12-5.5-6.0	11/13/2006	6	**49**	ND(2.0)
	B-11-9.5-10.0	11/13/2006	10	**8.9**	ND(2.0)
	B-11-17.5-18.0	11/13/2006	18	ND(2.0)	ND(2.0)
B12	B-12-1.5-2.0	11/13/2006	2	ND(2.0)	ND(2.0)
	B-12-5.5-6.0	11/13/2006	6	ND(2.0)	ND(2.0)
	B-12-9.5-10.0	11/13/2006	10	**5.5**	ND(2.0)
B13	B-13-1.5-2.0	11/13/2006	2	ND(2.0)	ND(2.0)
	B-13-5.5-6.0	11/13/2006	6	ND(2.0)	ND(2.0)
	B-13-9.5-10.0	11/13/2006	10	**3.9**	ND(2.0)
	B-13-17.5-18.0	11/13/2006	18	ND(2.0)	ND(2.0)
B-14	B-14-1.5-2.0	11/13/2006	2	**4.3**	ND(2.0)
	B-14-5.5-6.0	11/14/2006	6	**25**	ND(2.0)
	B-14-9.5-10.0	11/14/2006	10	ND(2.0)	ND(2.0)
	B-14-17.5-18.0	11/14/2006	18	ND(2.0)	ND(2.0)
B-15	B-15-3.5-4.0	11/14/2006	4	ND(2.0)	ND(2.0)
	B-15-9.5-10.0	11/14/2006	10	ND(2.0)	ND(2.0)
B-18	B-18-1.5-2.0	11/14/2006	2	**110**	**6.8**
	B-18-5.5-6.0	11/14/2006	6	**65**	ND(2.0)
	B-18-9.5-10.0	11/14/2006	10	**13**	ND(2.0)
	B-18-17.5-18.0	11/14/2006	18	**2.0**	ND(2.0)
B-20	B-20-5.5-6.0	11/14/2006	6	**30**	ND(2.0)
	B-20-9.5-10.0	11/14/2006	10	ND(2.0)	ND(2.0)

Table 2
Summary of Laboratory Analytical Results-Soil Matrix Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Sample Date	Sample Depth (feet bgs)	PCE (µg/kg)	TCE (µg/kg)
	B-20-11.5-12.0	11/14/2006	12	ND(2.0)	ND(2.0)
B-23	B-23-2.0	11/15/2006	2	**59**	ND(4.2)
	B-23-6.0	11/15/2006	6	ND(5.0)	ND(5.0)
	B-23-10	11/15/2006	10	**8.3**	ND(4.7)
	B-23-18	11/15/2006	18	ND(4.2)	ND(4.2)
B-24	B-24-2	11/15/2006	2	**77**	ND(4.4)
	B-24-6	11/15/2006	6	**72**	ND(4.1)
	B-24-10	11/15/2006	10	**8.2**	ND(4.2)
	B-24-18	11/15/2006	18	**6.1**	ND(3.9)
B-25	B-25-2	11/15/2006	2	**140**	ND(4.5)
	B-25-6	11/15/2006	6	**57**	ND(4.5)
	B-25-10	11/15/2006	10	ND(4.3)	ND(4.3)
	B-25-18	11/15/2006	18	**36**	ND(4.2)
RWQCB Environmental Screening Level (ESL)[1]				**240**	**460**

Notes:
PCE - Tetrachloroethene
TCE - Trichloroethene
bgs - Below ground surface
µg/kg - Micrograms per kilogram
ND( ) - Not detected at or above the indicated laboratory reporting limit.
1 - California Regional Water Quality Control Board, San Francisco Bay Region, Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater, February 2005. Table A-2, Shallow Soil Screening Levels (<3m bgs), Commercial / Industrial Land Use.
- Exceeds ESL

Table 3
Summary of Analytical Results - Grab Groundwater Samples
Sparkle Cleaners
Eastmont Town Center
Oakland, California

Sample Location	Sample Identification	Depth to First Water (feet bgs)	Static Depth to Water (feet bgs)	Sample Date	PCE (µg/L)	TCE (µg/L)
B-1	NFWE	--	--	--	--	--
B-2	NFWE	--	--	--	--	--
B-3	B-3-W	20	17	10/9/2006	ND(2.0)	ND(2.0)
B-4	NFWE	--	--	--	--	--
B-16	B-16-W	40	26	11/14/2006	ND(2.0)	ND(2.0)
B-17	NFWE	--	--	--	--	--
B-19	B-19-W	42	40	11/14/2006	ND(2.0)	ND(2.0)
B-21	B-21-W	42	23	11/14/2006	**40**	**2.1**
B-22	B-22-W	40	36	11/15/2006	**19**	**2.4**
Maximum Contaminant Level (MCL)[1]					**5**	**5**

Notes:
PCE - Tetrachloroethene
TCE - Trichloroethene
µg/l - Micrograms per liter
NFWE - No free water encountered
ND( ) - Not detected at or above the indicated laboratory reporting limit
1 - (a) Title 22 California Code of Regulations (CCR) §64431-§64444; and
(b) U.S. Environmental Protection Agency, Region 9. June 2003

POST-REMEDIATION DATA

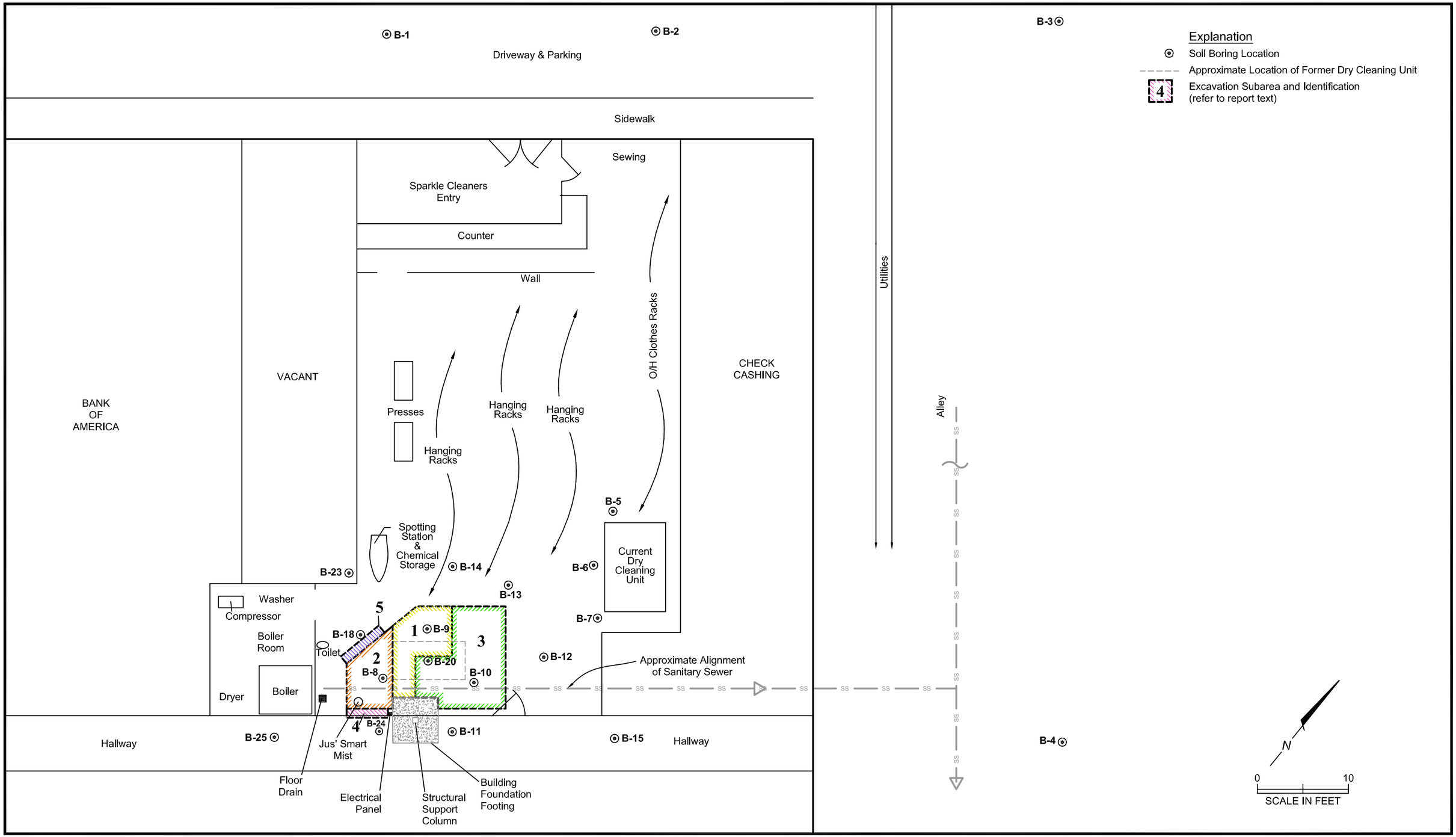
Table 1
Summary of Excavation Verification Soil Sample Results - Volatile Organic Compounds [(1)]
Sparkle Cleaners
7200 Bancroft Avenue
Eastmont Town Center
Oakland, California

Excavation Cell Designation	Sample Designation	Sample Depth (feet bgs)	Sample Type	Date Collected	PCE (µg/kg)	TCE (µg/kg)	cis-1,2-DCE (µg/kg)
A1	A1-S1-3.5	3.5	Sidewall	7/11/2007	**40**	ND(4.3)	ND(4.3)
	A1-S2-4.0	4	Sidewall	7/11/2007	ND(4.6)	**28**	**6.4**
	A1-B1-5.5	5.5	Bottom	7/11/2007	**7.5**	ND(4.6)	ND(4.6)
A2	A2-S1-3.5	3.5	Sidewall	7/5/2007	**180**	ND(4.3)	ND(4.3)
	A2-S5-4'	4	Sidewall	7/5/2007	**220**	ND(4.4)	ND(4.4)
	A2-B1-5.5'	5.5	Bottom	7/5/2007	**84**	ND(4.1)	ND(4.1)
B1	B1-S2-2.0	2	Sidewall	7/11/2007	**16**	**7.4**	ND(4.3)
	B1-S3-3.0	3	Sidewall	7/11/2007	**150**	**9.8**	ND(4.7)
	B1-B1-5.5	5.5	Bottom	7/11/2007	**97**	ND(4.3)	ND(4.3)
B2	B2-B1-5.5	5.5	Bottom	7/5/2007	**70**	ND(4.6)	ND(4.6)
B3	B3-S3-4.0 [(2)]	4	Sidewall	7/9/2007	**310**	ND(4.2)	ND(4.2)
	B3-S3-4.0'-1.0'	4	Sidewall Stepout	7/16/2007	**93**	ND(4.4)	ND(4.4)
	B3-S4-3.0	3	Sidewall	7/9/2007	ND(4.9)	**15**	**12**
	B3-S6-3.5 [(3)]	3.5	Sidewall	7/9/2007	ND(4.6)	**7.9**	**13**
	B3-S5-2.0	2	Sidewall	7/9/2007	**340**	**26**	ND(4.8)
	B3-S5-2.0'-1.0'	2	Sidewall Stepout	7/16/2007	**74**	**5.0**	ND(4.0)
	B3-B1-5.5	5.5	Bottom	7/9/2007	**7.3**	ND(4.8)	ND(4.8)
	B3-B1-6.5 [(4)]	6.5	Bottom	7/9/2007	**22**	ND(4.5)	ND(4.5)
				Target Soil Cleanup Goals:	**240**	**460**	**190**

Notes:

PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
µg/kg = micrograms per kilogram
feet bgs = feet below ground surface
ND(4.4) = Compound not detected at or above the indicated laboratory reporting limit
All other volatile organic compounds were not present at or above respective laboratory reporting limits.
- Equals or exceeds the target soil cleanup goals.

(1) = All samples were analyzed for volatile organic compounds by U.S. EPA Test Method 5035/8260B using Test Method 8010 list of analytes.
(2) = The excavation sidewall soil represented by this verification soil sample was removed during further lateral excavation, which was conducted until a subsequent sidewall soil sample was collected that contained chemical concentrations below the target soil cleanup goals.
(3) = Sample was inadvertently given a designation as sidewall 6 (i.e., S6) rather than the correct designation as sidewall 4 (i.e., S4).
(4) = Sample was inadvertently analyzed. Analysis was not required because the concentration of PCE in the shallower sample (i.e., sample B3-B1-5.5) was below the cleanup goal.

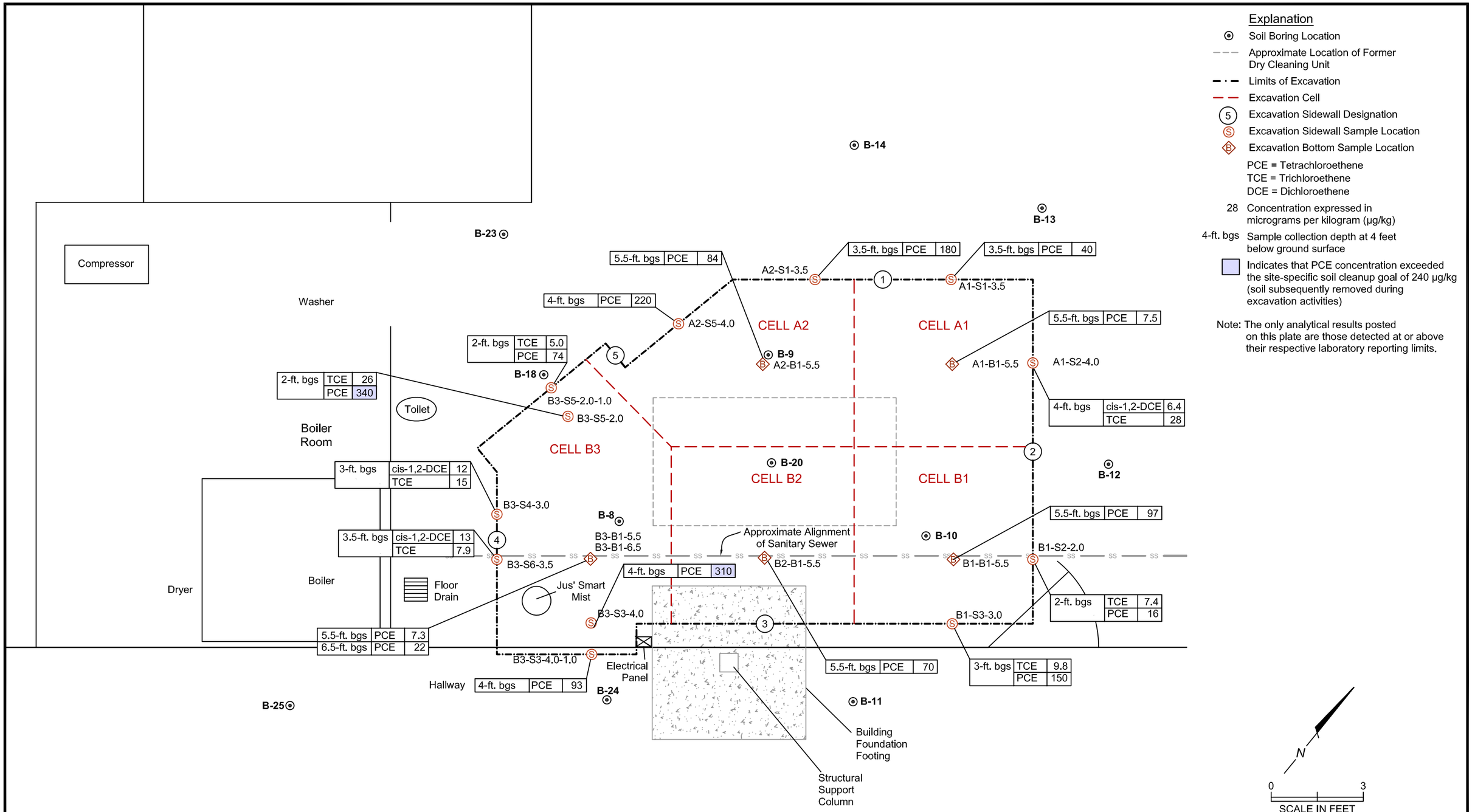


PES Environmental, Inc.
Engineering & Environmental Services

Interior Detail and Excavation Subareas
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
3

881.060.02.005	881-06002005_RAI	WWM	9/07
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Limits of Soil Excavation and Verification Sample Analytical Results
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE
4

881.060.02.005	881-06002005_RAI	WWM	9/07
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

2015 GROUNDWATER MONITORING DATA

Table 2
Groundwater Elevation Data
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Well ID	Date Measured	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet MSL)
MW-01	8/7/2007	49.51	23.62	25.89
MW-01	11/19/2007	49.51	24.85	24.66
MW-01	2/6/2008	49.51	22.93	26.58
MW-01	5/15/2008	49.51	23.52	25.99
MW-01	11/19/2008	49.51	26.80	22.71
MW-01	5/14/2009	49.51	23.92	25.59
MW-01	1/5/2010	49.51	25.64	23.87
MW-01	5/20/2011	49.51	21.02	28.49
MW-01	3/18/2013	49.51	23.40	26.11
MW-01	9/27/2013	49.51	25.69	23.82
MW-01	3/12/2014	49.51	26.52	22.99
MW-01	11/21/2014	49.51	27.41	22.10
MW-01	3/31/2015	49.51	25.09	24.42
MW-02	8/7/2007	49.07	14.30	34.77
MW-02	11/19/2007	49.07	14.83	34.24
MW-02	2/6/2008	49.07	14.11	34.96
MW-02	5/15/2008	49.07	13.07	36.00
MW-02	11/19/2008	49.07	17.57	31.50
MW-02	5/14/2009	49.07	14.21	34.86
MW-02	1/5/2010	49.07	15.05	34.02
MW-02	5/20/2011	49.07	10.28	38.79
MW-02	3/18/2013	49.07	13.02	36.05
MW-02	10/4/2013	49.07	15.00	34.07
MW-02	3/12/2014	49.07	14.64	34.43
MW-02	11/21/2014	49.07	17.04	32.03
MW-02	3/31/2015	49.07	15.29	33.78
MW-03	8/7/2007	50.43	17.82	32.61
MW-03	11/19/2007	50.43	24.70	25.73
MW-03	2/6/2008	50.43	22.86	27.57
MW-03	5/15/2008	50.43	22.27	28.16
MW-03	11/19/2008	50.43	23.64	26.79
MW-03	5/14/2009	50.43	22.37	28.06
MW-03	1/5/2010	50.43	24.00	26.43
MW-03	5/20/2011	50.43	18.31	32.12
MW-03	3/18/2013	50.43	18.93	31.50
MW-03	9/27/2013	50.43	20.26	30.17
MW-03	3/12/2014	50.43	20.31	30.12
MW-03	11/21/2014	50.43	21.49	28.94
MW-03	3/31/2015	50.43	21.10	29.33
MW-04	8/7/2007	49.81	22.43	27.38
MW-04	11/19/2007	49.81	23.81	26.00
MW-04	2/6/2008	49.81	22.80	27.01
MW-04	5/15/2008	49.81	22.32	27.49
MW-04	11/19/2008	49.81	25.60	24.21
MW-04	5/14/2009	49.81	23.50	26.31
MW-04	1/5/2010	49.81	24.52	25.29
MW-04	5/20/2011	49.81	19.39	30.42
MW-04	3/18/2013	49.81	22.07	27.74
MW-04	9/27/2013	49.81	24.81	25.00
MW-04	3/12/2014	49.81	25.39	24.42
MW-04	11/21/2014	49.81	27.21	22.60
MW-04	3/31/2015	49.81	23.60	26.21

Note:
MSL - Mean sea level
BTOC - Below top of casing

Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

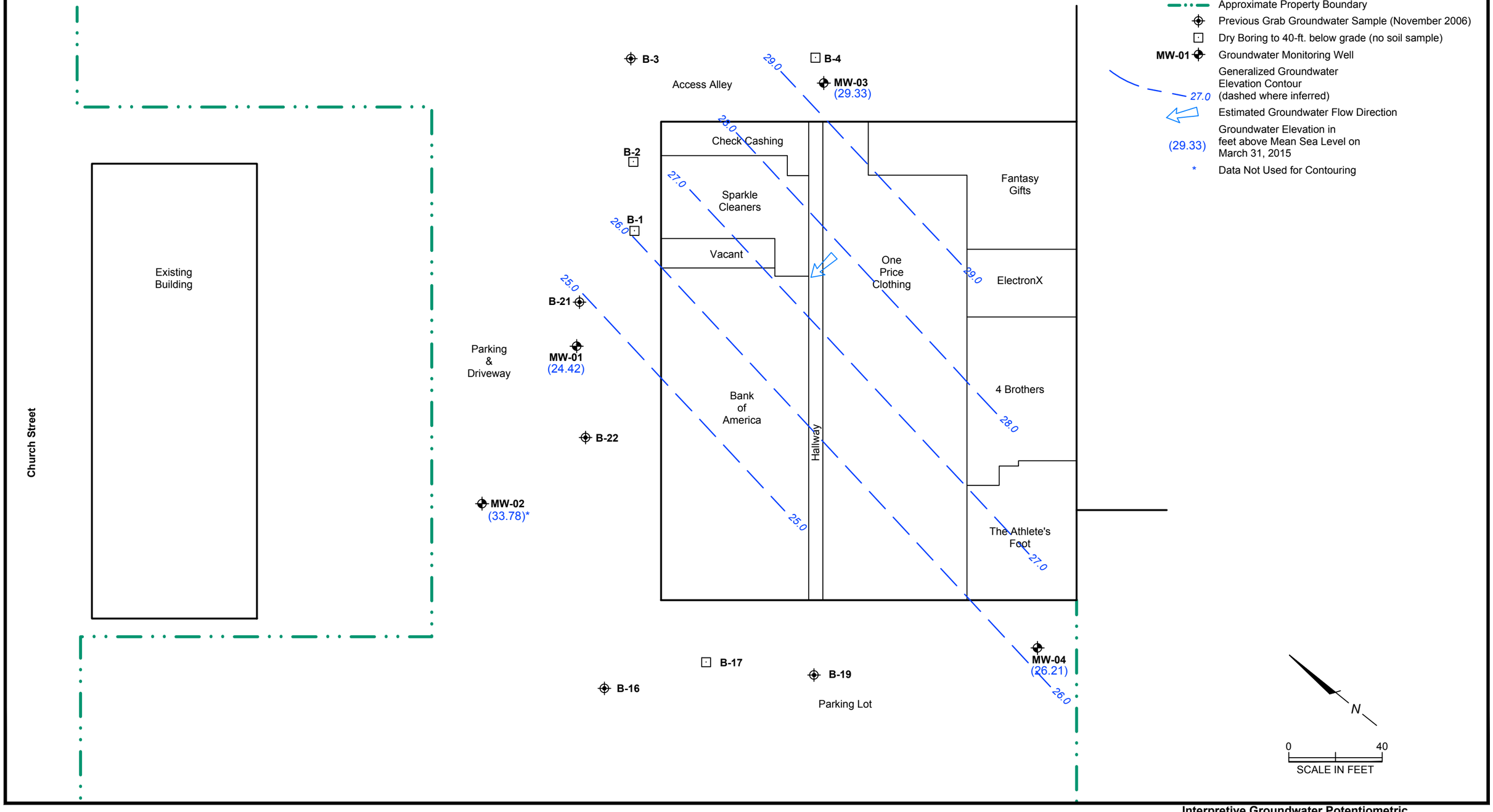
Sample Location	Sample Date	Petroleum Hydrocarbons		Volatile Organic Compounds									
		TPHg (µg/L)	TPHd (µg/L)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	Naphthalene (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	Other VOCs (µg/L)
MW-01	8/7/2007	NA	NA	**60**	**3.1**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	8/7/2007	NA	NA	**71**	**3.1**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	11/19/2007	**110** (1)	**52**	**110**	**5.2**	ND (1.0)	ND (2.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	11/19/2007	**110** (1)	**79**	**100**	**5.0**	ND (1.0)	ND (2.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01	2/6/2008	**140** (1)	**57**	**130**	**5.8**	**0.58**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	2/6/2008	**140** (1)	**65**	**130**	**5.7**	**0.60**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01	5/15/2008	NA	NA	**130**	**5.5**	**0.53**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01 (D)	5/15/2008	NA	NA	**140**	**5.4**	**0.54**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-01	11/19/2008	NA	NA	**110**	**4.4**	ND (1.0)	ND (2.0)	NA	NA	NA	NA	NA	ND
MW-01 (D)	11/19/2008	NA	NA	**110**	**4.3**	ND (1.0)	ND (2.0)	NA	NA	NA	NA	NA	ND
MW-01	5/14/2009	NA	NA	**160**	**5.3**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	5/14/2009	NA	NA	**140**	**4.9**	ND (2.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	1/5/2010	NA	NA	**110**	**4.1**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	1/5/2010	NA	NA	**120**	**4.3**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	5/20/2011	NA	NA	**110**	**4.0**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	5/20/2011	NA	NA	**120**	**4.3**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/18/2013	NA	NA	**150**	**3.4**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	3/18/2013	NA	NA	**150**	**3.5**	ND (1.0)	NA	NA	NA	NA	NA	NA	ND
MW-01	9/27/2013	NA	NA	**120**	**3.1**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	9/27/2013	NA	NA	**120**	**3.0**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/12/2014	NA	NA	**130**	**3.4**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	3/12/2014	NA	NA	**130**	**3.3**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	11/21/2014	NA	NA	**120**	**3.0**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	11/21/2014	NA	NA	**130**	**3.0**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01	3/31/2015	NA	NA	**140**	**3.5**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-01 (D)	3/31/2015	NA	NA	**140**	**3.5**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	8/7/2007	NA	NA	**25**	**1.2**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	11/19/2007	ND (50)	**120**	**26**	**0.93**	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-02	2/6/2008	ND (50)	**200**	**25**	**0.90**	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-02	5/15/2008	NA	NA	**20**	**0.91**	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-02	11/19/2008	NA	NA	**23**	**0.88**	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-02	5/14/2009	NA	NA	**31**	**0.84**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	1/5/2010	NA	NA	**24**	**0.60**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	5/20/2011	NA	NA	**39**	**1.2**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/18/2013	NA	NA	**36**	**0.95**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	10/4/2013	NA	NA	**26**	**0.91**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/12/2014	NA	NA	**26**	**0.70**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	11/21/2014	NA	NA	**16**	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-02	3/31/2015	NA	NA	**22**	**0.54**	ND (0.50)	NA	NA	NA	NA	NA	NA	ND

Table 3
Summary of Analytical Results for Groundwater Monitoring Well Samples
Sparkle Cleaners
Eastmont Town Center
7000 Bancroft Avenue
Oakland, California

Sample Location	Sample Date	Petroleum Hydrocarbons		Volatile Organic Compounds									
		TPHg (µg/L)	TPHd (µg/L)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	Naphthalene (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	Other VOCs (µg/L)
MW-03	8/7/2007	NA	NA	**1.6**	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	11/19/2007	ND (50)	**79**	**2.1**	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-03	2/6/2008	ND (50)	**70**	**2.0**	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-03	5/15/2008	NA	NA	**1.5**	ND (0.50)	**0.50**	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-03	11/19/2008	NA	NA	**2.0**	ND (0.50)	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-03	5/14/2009	NA	NA	**1.8**	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	1/5/2010	NA	NA	**1.5**	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-03	5/20/2011	NA	NA	**1.8**	ND (0.50)	**0.57**	NA	NA	NA	NA	NA	NA	ND
MW-03	3/18/2013	NA	NA	**1.6**	ND (0.50)	**0.67**	NA	NA	NA	NA	NA	NA	ND
MW-03	9/27/2013	NA	NA	**1.6**	ND (0.50)	**0.68**	NA	NA	NA	NA	NA	NA	ND
MW-03	3/12/2014	NA	NA	**1.7**	ND (0.50)	**0.85**	NA	NA	NA	NA	NA	NA	ND
MW-03	11/21/2014	NA	NA	**1.2**	ND (0.50)	**0.83**	NA	NA	NA	NA	NA	NA	ND
MW-03	3/31/2015	NA	NA	**0.99**	ND (0.50)	**0.58**	NA	NA	NA	NA	NA	NA	ND
MW-04	8/7/2007	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	11/19/2007	ND (50)	**69**	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-04	2/6/2008	ND (50)	ND (50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-04	5/15/2008	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	ND (0.50)	ND (0.50)	ND (5.0)	ND (1.0)	ND (0.50)	ND
MW-04	11/19/2008	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	ND (1.0)	NA	NA	NA	NA	NA	ND
MW-04	5/14/2009	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	1/5/2010	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	5/20/2011	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/18/2013	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	9/27/2013	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/12/2014	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	11/21/2014	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND
MW-04	3/31/2015	NA	NA	ND (0.50)	ND (0.50)	ND (0.50)	NA	NA	NA	NA	NA	NA	ND

Notes:

TPHg - Gasoline range organics (C5-C12)
TPHd - Diesel range organics (C10-C28)
DCE - Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
µg/L - Micrograms per liter
NA - Not Analyzed
ND (0.50) - Not detected at or above indicated laboratory reporting limit
ND - Not detected at or above the laboratory reporting limit (varies by analyte)
MTBE - Methyl tert-butyl ether
TAME - Tert-amyl methyl ether
TBA - Tert-butyl alcohol
DIPE - Diisopropyl ether
ETBE - Ethyl tert-butyl ether
(D) - Field duplicate sample
(1) - The analytical laboratory narrative states that the reported gasoline range organics concentration is due to the presence of PCE.



PES Environmental, Inc.
Engineering & Environmental Services

Interpretive Groundwater Potentiometric Surface Map - March 31, 2015
Sparkle Cleaners
Eastmont Town Center
Oakland, California

PLATE 2

881.060.03.014	881-06003-014_H1_2015_2	GDT	6/15
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE