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Alameda County  
Environmental Health

**J. W. SILVEIRA CO.**

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Oakland, CA 94606

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**Real Estate**

February 4, 2009

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**SUBJECT: SUBSURFACE INVESTIGATION WORK PLAN ADDENDUM  
CERTIFICATION**  
County File # RO 504  
William Wurzbach Company  
1200 20<sup>th</sup> Avenue  
Oakland, CA 94606

Dear Mr. Wickham:

You will find enclosed one copy of the following document prepared by P&D Environmental, Inc.

- Subsurface Investigation Work Plan Addendum (Geophysical Resistivity Transect E-E') dated February 3, 2009 (document 0405.W1A).

I declare under penalty of perjury, that the information and/or recommendations contained in the above-mentioned report for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact us at (510) 834-9811.

Sincerely,

J.W. Silveira Realty

J.W. Silveira

0405.L6

# P&D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240  
Oakland, CA 94610  
(510) 658-6916

February 3, 2009  
Work Plan 0405.W1A

Mr. Jerry Wickham  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502

RE: SUBSURFACE INVESTIGATION WORK PLAN ADDENDUM  
(GEOPHYSICAL RESISTIVITY TRANSECT E-E')  
County File # RO 504  
William Wurzbach Company  
1200 20<sup>th</sup> Avenue  
Oakland, California

Dear Mr. Wickham:

P&D Environmental, Inc. (P&D) is pleased to present this work plan addendum for collection of geophysical resistivity data at transect E-E' in the vicinity of the subject site. This work plan addendum augments the scope of work set forth in P&D's Subsurface Investigation Work Plan dated January 7, 2009 (document 0405.W1A). Site Vicinity Maps showing the proposed location of E-E' are attached with this work plan addendum as Figures 1 and 2.

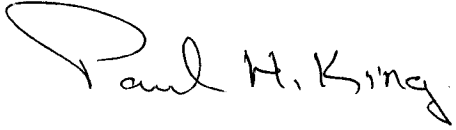
To further define the extent of the sand layers identified in geologic cross sections A-A' and B-B' in P&D's January 7, 2009 work plan, a Wenner Array (IEEE Four-Point Method) will be used at location E-E' of Figures 1 and 2 of this work plan addendum. Based on the results of the resistivity data, proposed boreholes B7 and B8 may be re-located to better evaluate groundwater quality downslope from the former UST pit. In the event that re-location of the boreholes is proposed, the proposed alternate locations will be provided to Alameda County Environmental Health Department for review prior to drilling. The results of the resistivity survey will be included in the final report documenting the subsurface investigation set forth in P&D's January 7, 2009 work plan.

February 3, 2009  
Work Plan 0405.W1A

Should you have any questions, please do not hesitate to contact us at 510-658-6916.

Sincerely,

P&D Environmental, Inc.



Paul H. King  
Professional Geologist #5901  
Expires: 12/31/09

Attachments:

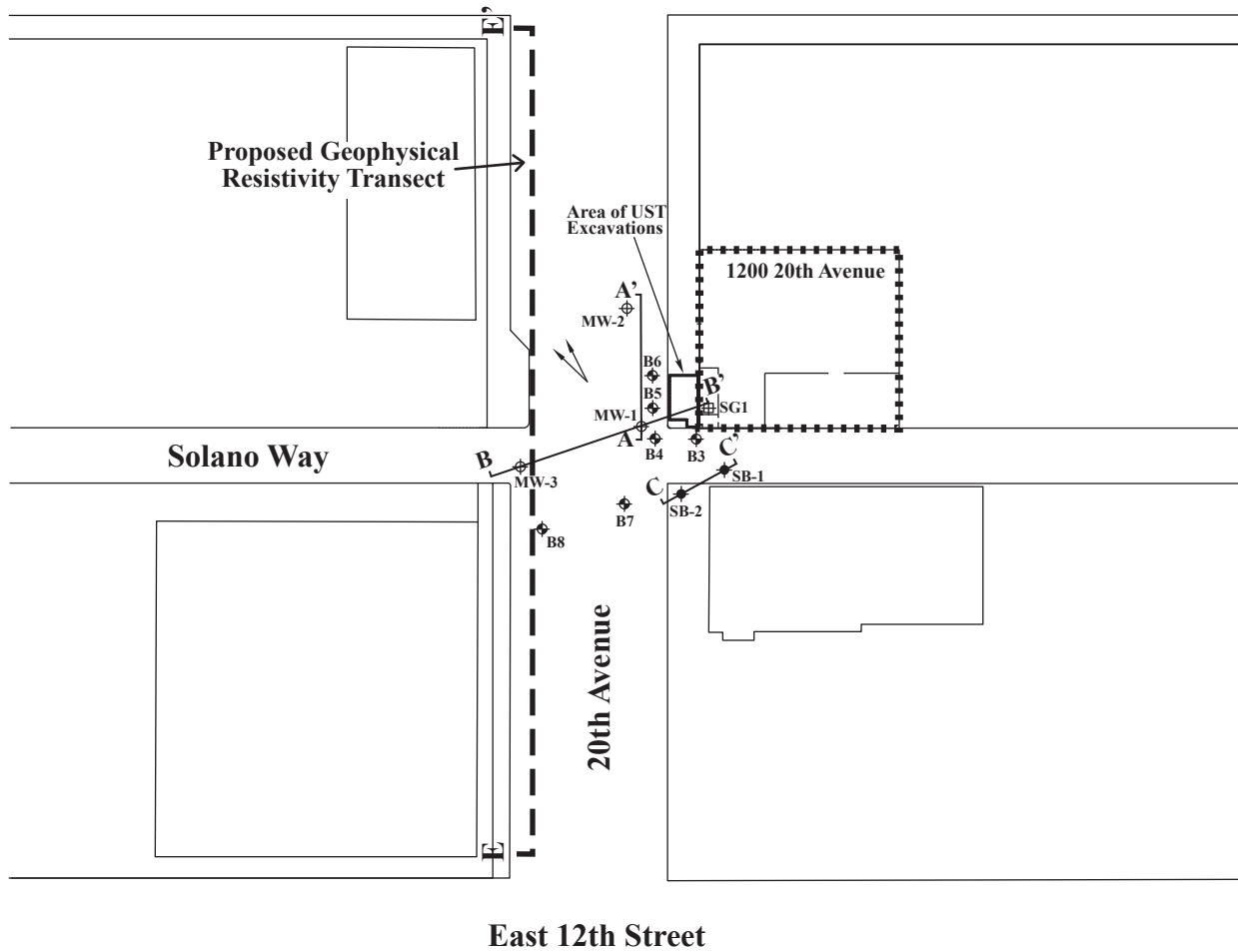
Figure 1 – Site Vicinity Map Showing Proposed Geophysical Resistivity Transect E-E'  
Figure 2 – Site Vicinity Aerial Photograph Showing Proposed Geophysical Resistivity Transect  
E-E' and Drilling Locations

Cc: J.W. Silveira, J.W. Silveira Realty

PHK  
0405.W1A

# **FIGURES**

**International Boulevard**



**LEGEND**

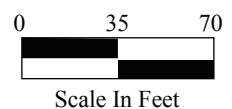
- ⊕ MW-3 Existing Monitoring Well
- ◆ SB-2 Existing Soil Boring
- ◆ B8 Proposed Borehole
- ⊕ SG1 Proposed Soil Gas Sample Collection Location
- C — C' Geologic Cross Section Location
- E — E' Proposed Geophysical Transect
- ↔ Historical Range of Groundwater Flow Direction

**Figure 1**  
**Site Vicinity Map Showing Existing and Proposed Drilling Locations,**  
**and Locations of Cross Sections and Proposed Resistivity Transect**  
**William Wurzbach Company**  
**1200 20th Avenue**  
**Oakland, California**



Base Map from  
Google Earth

P&D Environmental, Inc.  
 55 Santa Clara Ave., Suite 240  
 Oakland, CA 94610





**LEGEND**

- ⊕ MW-3 Existing Monitoring Well
- ◆ SB-2 Existing Soil Boring
- ⊕ B8 Proposed Borehole
- ⊕ SG1 Proposed Soil Gas Sample Collection Location
- C — C' Geologic Cross Section Location
- E — E' Proposed Geophysical Transect
- ↔ Historical Range of Groundwater Flow Direction

**Figure 2**  
 Site Vicinity Map Showing Existing and Proposed Drilling Locations,  
 and Locations of Cross Sections and Proposed Resistivity Transect  
 William Wurzbach Company  
 1200 20th Avenue  
 Oakland, California



Base Map from  
Google Earth

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