

## C A M B R I A

August 15, 2005

Mr. Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **REVISED Response to Technical Comments, Notification of Field Work,  
and Request for Extension**  
Former Shell Service Station  
2703 Martin Luther King Jr. Way  
Oakland, California  
SAP Code 129449  
Incident No. 97093397



Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this submittal on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to respond to technical comments presented in Alameda County Environmental Health (ACEH) correspondence dated June 6, 2005, to notify the ACEH of the scheduled field dates, and to request an extension for the submittal of the Site Investigation Report. The ACEH correspondence was prepared in response to Cambria's October 11, 2004 *Groundwater Monitoring Report – Third Quarter 2004 and Soil Vapor Investigation Work Plan*.

### RESPONSE TO TECHNICAL COMMENTS

1. ACEH requests that proposed boring GP-4 be extended to groundwater for collection of soil and shallow groundwater samples, Cambria will implement this request and has modified our scope of work.
2. ACEH requests that soil samples be retained from the soil-water interface and from areas of obvious petroleum impact, as evidenced by staining, odor, or elevated PID readings. Cambria will implement this request and has modified our scope of work. Thus, at a minimum, soil samples will be retained from the soil-water interface and at five-foot intervals, if no obvious petroleum impact is encountered.
3. ACEH requests that all soil samples be analyzed for total lead using EPA Method 6010B, in addition to the analyses proposed in the work plan. Cambria will implement this request and has modified our scope of work.

Cambria  
Environmental  
Technology, Inc.

270 Perkins Street  
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Tel (707) 935-4850  
Fax (707) 935-6649

## NOTIFICATION OF FIELD SCHEDULE AND SCOPE MODIFICATIONS

*Field Schedule:* Cambria conducted a site visit on June 22, 2005, and scheduled the field work with the drilling contractor. The earliest dates available were August 29 through 30, 2005. Please consider this as the requested 72-hour notification of the field activities, unless conflicts or issues arise. Cambria will notify the ACEH if there are any changes to this schedule.

*Scope Modifications:* During the site visit, Cambria field staff noted that the site showing the proposed boring locations did not accurately represent the site conditions. Apparently, the building is located closer to the northern property boundary than previously shown, and thus, the Geoprobe rig will be unable to access that area. It also appeared that the locations of monitoring wells MW-5, V-1, and V-2 needed adjustment. Attached is a Revised Proposed Soil Vapor Sample Locations map showing the revisions as measured during this field visit.

The locations of proposed borings GP-8 and GP-9 have been shifted to the southwest, so that they are not in the office building. Because of the low clearance beneath the car port and the lack of access to the rear of the property by the Geoprobe rig, Cambria proposes installing temporary soil vapor probes using hand auger equipment at the locations of GP-6 through GP-8 and possibly GP-9. The hand augered boring will be extended to approximately 4 feet below grade and Teflon tubing with a screened sample tip will be placed in the boring on top of 3- to 6- inches of sand. The sand filter pack will extend no more than 12-inches in total length and will be sealed from the surface using bentonite chips (2-inch layer) and bentonite grout (12-inch minimum). Soil vapor samples will be obtained from the temporary tubing between 3 – 5 hours after their installation. Following collection of the vapor samples, each temporary sample point will be removed and the grout and sand removed by hand auger. At the locations of GP-6 and GP-7, the hand auger will then be used to further extend the boring to approximately 10 fbg for collection of soil and groundwater samples, as proposed. Temporary PVC casing will be installed to assist with retrieving groundwater samples using a small diameter bailer. Each boring will be closed by filling with a cement-bentonite grout mixture to grade.

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## REQUEST FOR EXTENSION

The ACEH letter requests that the technical report of findings for the site investigation activities be submitted by September 2, 2005. As presented above, the earliest date available to complete this work is the last week in August; thus, we will be unable to meet the report submittal deadline. Since the field work is scheduled to be completed by August 31, 2005, the sample results are anticipated to be received by September 15, 2005.

Thus, **Cambria respectfully requests an extension** for submittal of the site investigation report to 60 days following receipt of the analytical reports, or **November 15, 2005**.



## CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,  
**Cambria Environmental Technology, Inc.**

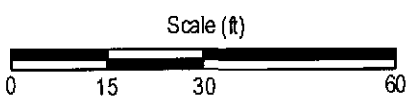
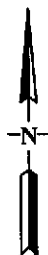
*Joe Neely*  
for  
Ana Friel  
Senior Project Geologist  
PG 6452



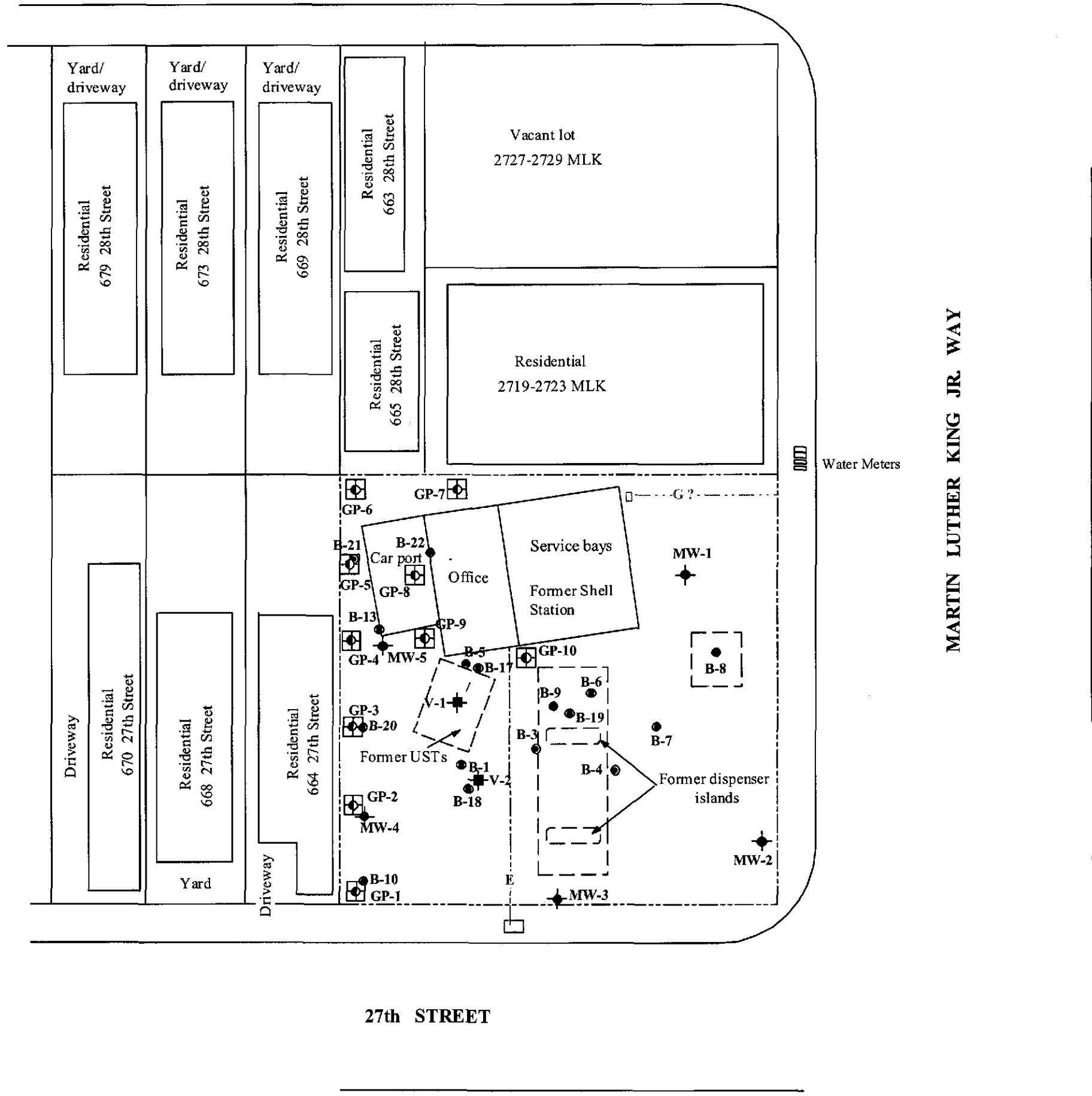
Attachment

Figure. Revised Proposed Soil Vapor Sample Locations

cc: Denis Brown, Shell  
Rodney & Janet Kwan, property owners



EXPLANATION	
●	Soil boring
◆	Monitoring well
⊕	Soil vapor well
⊠	Proposed boring



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FIGURE

**1**

**Former Shell Service Station**  
 2703 Martin Luther King Jr. Way  
 Oakland, California



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**Revised Proposed Soil Vapor Sample Locations**