



May 8, 1997

Ms. Susan L. Hugo  
Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: **Lathrop Property**  
5813-5815 Shellmound Street  
Emeryville, CA 94608 (STID # 5557)  
Project No: 19-122-12

Dear Ms. Hugo:

With reference to your letter dated May 2, 1997 concerning Cambria's subsurface investigation at the above property, we would like to clarify the following:

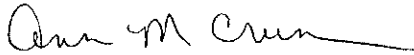
- In response to your letter dated 9/20/96, Cambria prepared a workplan for installation of a monitoring well, two soil borings, and implementation of a quarterly ground water monitoring program for the four wells installed by Cambria. We submitted the workplan on 11/7/97. The workplan indicated that quarterly monitoring would begin following installation of the fourth monitoring well. Based upon your 1/9/97 approval of the work plan, we understood that this schedule satisfied your requirements.
- The investigation workplan was implemented by this office on February 25, 1997. This work satisfies both the ACHCS request for additional investigation and for implementation of a ground water monitoring program. Since no submittal dates were specified in your 9/20/96 or 1/9/97 letters, we believe that we are in full compliance with these requests.
- Due to scheduling constraints related to the availability of a limited access drilling rig, we were unable to notify your office 72 hours in advance of field work. Your office was notified, however, 24 hours before commencement of field activities. Mr. Sam Rangarajan, Cambria hydrogeologist, left your office a message to this effect on February 24, 1997. We have enclosed a copy of the phone log regarding the same.
- We understand that you requested that we submit a site health and safety plan before beginning work. Though a health and safety plan was prepared and kept on site at all times during field work, it was not submitted to your office. We apologize for this error. A copy of the plan is enclosed for your records.

CAMBRIA  
ENVIRONMENTAL  
TECHNOLOGY, INC.  
1144 65TH STREET,  
SUITE B  
OAKLAND,  
CA 94608  
PH: (510) 420-0700  
FAX: (510) 420-9170

The next round of quarterly groundwater sampling is scheduled for May 30, 1997. Future reports will be forwarded to your office within 60 days of the sampling event.

An investigation report is being prepared and will be submitted to your office by May 20, 1997. Please call me at (510) 420-3309 if you have any questions or concerns.

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



Ann M. Crum  
Senior Scientist

cc: J. Wilson, Crosby Heafey Roach & May,  
S. Hyde, Lathrop Properties

Attachments

F:\PROJECT\MISCLATHROP\shlr2.wpd

02/24/97

Susan Hugo  
at ACDEH

X 6780

- Left a message regarding  
well development protocol and  
drilling.

02/24/97

Time for [redacted] El Sobrante

[redacted]; [redacted]

San Mateo County SFR Time?

02/24/97

Chuck [redacted]

Lyn [redacted] site

02/24/97

Kevin [redacted] [redacted]

- Composite?

(415) [redacted]-9600

- What to analyze for?

02/25/97

Ann

Call

02/25/97

Chuck

5:23 PM

Lyn [redacted]

30 ft continuous

grab H<sub>2</sub>O

Soil parameters  
for RSCA

SITE SAFETY PLAN

Date: January 16, 1997

Project Number: 19-122

A. SITE DESCRIPTION

Client: Crosby, Heafey (Lathrop Property)  
 Site Address: 5813-15 Shellmound Street, Emeryville  
 Site Use/Conditions: Public Sidewalk/Commercial  
 Area Land Use:  Residential  Commercial  Industrial  Agricultural  Other \_\_\_\_\_  
 Topography:  Flat  Hilly  Open Excavation  Paved  Unpaved  Other \_\_\_\_\_  
 Weather Conditions: Sunny, 50-70 degrees Fahrenheit

B. WORK TO BE PERFORMED: Two soil borings; Convert one to a MW

C. ON SITE CONTROL: Fence and tape

A safe perimeter has been established. The boundaries are defined by:  Tape  Cones  fence  Other \_\_\_\_\_  
 The Contamination Reduction Zone is designated as: Area within 10 ft of sig  
 The Support Zone is designated as: area around Cambria vehicle

CHEMICAL HAZARD EVALUATION

Suspected or known concentrations of the following compounds are expected at the site: None from previous investigation in December 1994

Compound	Free Product (thickness)	Ambient Air Conc.	Soil Conc. ppm	Water Conc. ppb	TWA	IDLH
Gasoline			2,600	17,000		
Diesel				-		
Benzene			18	1,900		

- Applicable material safety data sheets (MSDS) are attached.
- Vapor-phase concentrations may exceed 10% of the lower explosive limit (LEL)
- Vapor-phase concentrations may exceed OSHA PEL or 8-hour TWA for the following compounds: \_\_\_\_\_

PHYSICAL HAZARD EVALUATION

- Underground utilities and or process lines have been identified. An underground line detector survey is , is not  required.
- Personnel are aware of the safety hazards associated with lifting heavy objects, moving machinery and equipment, slipping, falling and operating or working near electrical equipment.
- Confined space entry is , is not  required. If required, a confined entry checklist is attached and proper confined space entry procedures will be followed.

AIR QUALITY MONITORING

<input checked="" type="checkbox"/> Instrument <input type="checkbox"/> PID <input type="checkbox"/> FID <input type="checkbox"/> LEL Meter <input type="checkbox"/> Colorimetric tubes	Monitoring Intervals <u>Continuous</u> _____ _____ _____
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<u>Substance</u>	<u>Concentration Ranges</u>	<u>Pump Strokes</u>
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PERSONAL PROTECTIVE EQUIPMENT

The required personal protective equipment level is: [ ] A, [ ] B, [ ] C, [X] D.

Specific protective equipment required: Hand Aat, steel toe boots, gloves

Protective clothing required: None

Respiratory equipment required: 1/2 face respirator

Cartridge type: VOc

This cartridge is expected to provide protection for 8 hrs

[X] All site personnel have been trained in the use of protective equipment

DECONTAMINATION PROCEDURES

Personnel and equipment shall be decontaminated as follows: [X] Wash and rinse all exposed skin and equipment.

[ ] Other: \_\_\_\_\_

HEAT STRESS MONITORING

The anticipated air temperature is \_\_\_\_\_ degrees F.

Adjusted air temperature [Tadj, Tair (fo) + (13 X % Sunshine)] is not expected to exceed \_\_\_\_\_ degrees F.

[ ] A Health Alert Warning (temperature over 95 degrees F) has been issued by the weather service.

[ ] Workers are trained to recognize and treat heat stress symptoms. The site safety officer will monitor pulse and temperature of workers showing signs of heat stress. No person shall work with a temperature exceeding 100 degrees F.

[X] Drinking water is available at: Drill Rig and Cambria Vehicle

EMERGENCY PROCEDURES

Injury: The Site Safety Officer and Project Team Leader should evaluate the injury and contact an ambulance and/or the designated medical facility as needed. An incident report form should be filed for any injury

Fire/Explosion: All personnel should immediately move to a safe location away from threat of fire and/or explosion. Sound alarm if available and call fire department.

Emergency escape route and meeting place: off-site at intersection of Christie and Powell Street

EMERGENCY MEDICAL FACILITIES

Hospital name and location: Children's Hospital, 747 52<sup>nd</sup> St., Oakland

Hospital phone number: (510) 428-3240

A map to the hospital is attached.

a first aid kit, eye wash and other emergency equipment is located in the Site Safety Officer's vehicle.

Police Number: 911  
Office Number: (510) 420-0700

Fire Number: 911  
Client Number: \_\_\_\_\_

Any injury sustained while working are covered under Worker's Compensation insurance. Any injured Cambria employee should inform the medical care facility that this is a Worker's Compensation claim and that our insurance policy is \_\_\_\_\_ Copies of the doctor's report on the injury should be forwarded to our insurance carrier at \_\_\_\_\_ Cambria employees must notify \_\_\_\_\_ on the same day so that we can properly file this claim.

Any injured sub-contractor or sub-contractor employee will be covered under their employer's policy.

Emergency medical treatment due to chemical exposure to compounds anticipated to be at the site is presented on the attached MSDS forms.

All site workers have read the plan and are familiar with and will abide by its provisions.

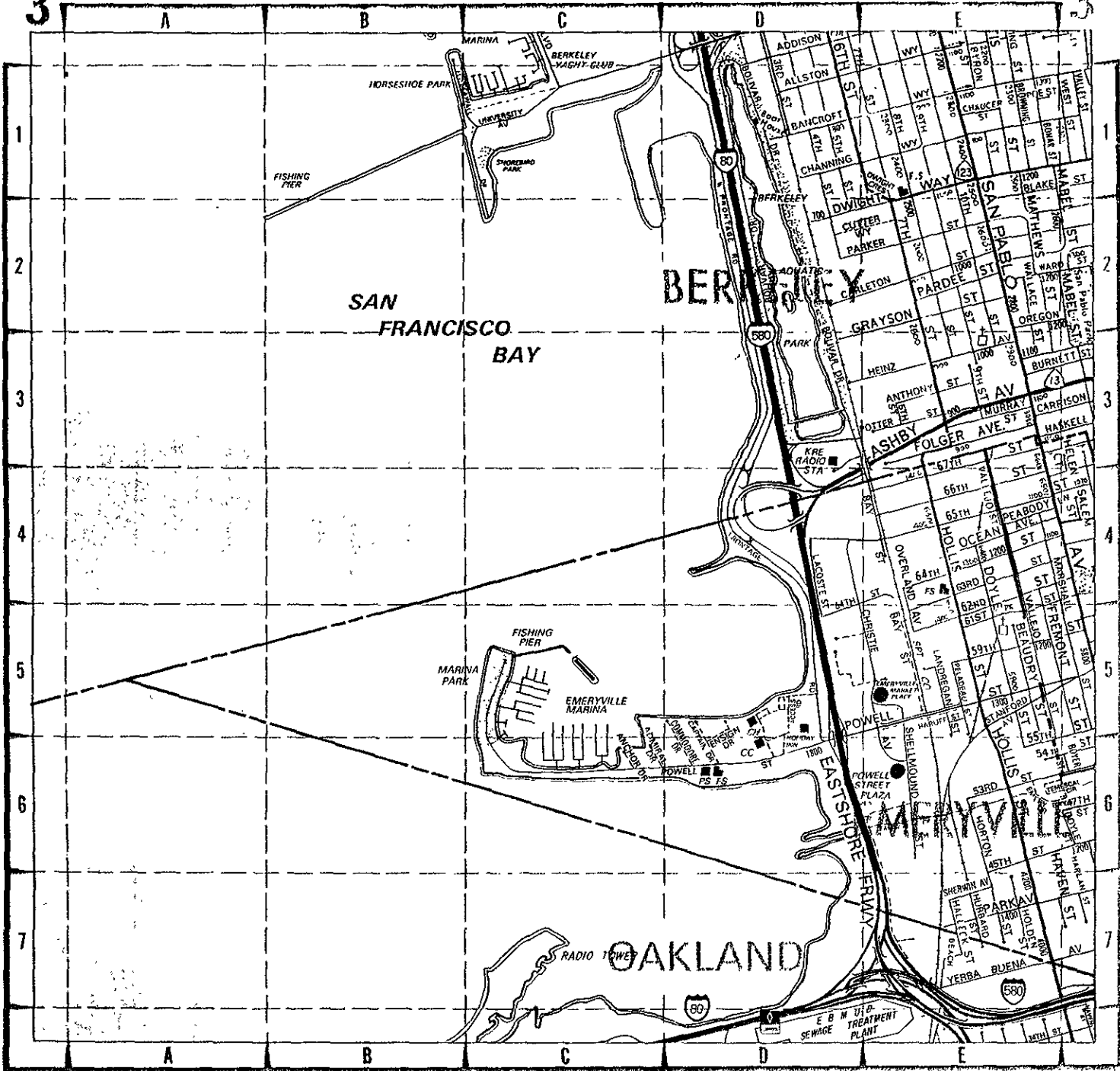
Chris: Ted and Eric

Project Team Leader	_____ Name <u>SAM RANGARAJAN</u>	Signature
Site Safety Officer	_____ <u>SAM RANGARAJAN</u>	
Field Team Leader	_____	
Field Team Member	_____	
Field Team Member	_____	

3

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502,  
500,  
498,  
496,  
494,  
492,  
490,  
488,



ALAMEDA CO.

FOR CONTINUATION SEE MAP 7

DETAIL

1,470,

1,473,

FOR CONTINUATION SEE MAP 7

1,482,

1,485,



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ALAMEDA CO.

502.

498.

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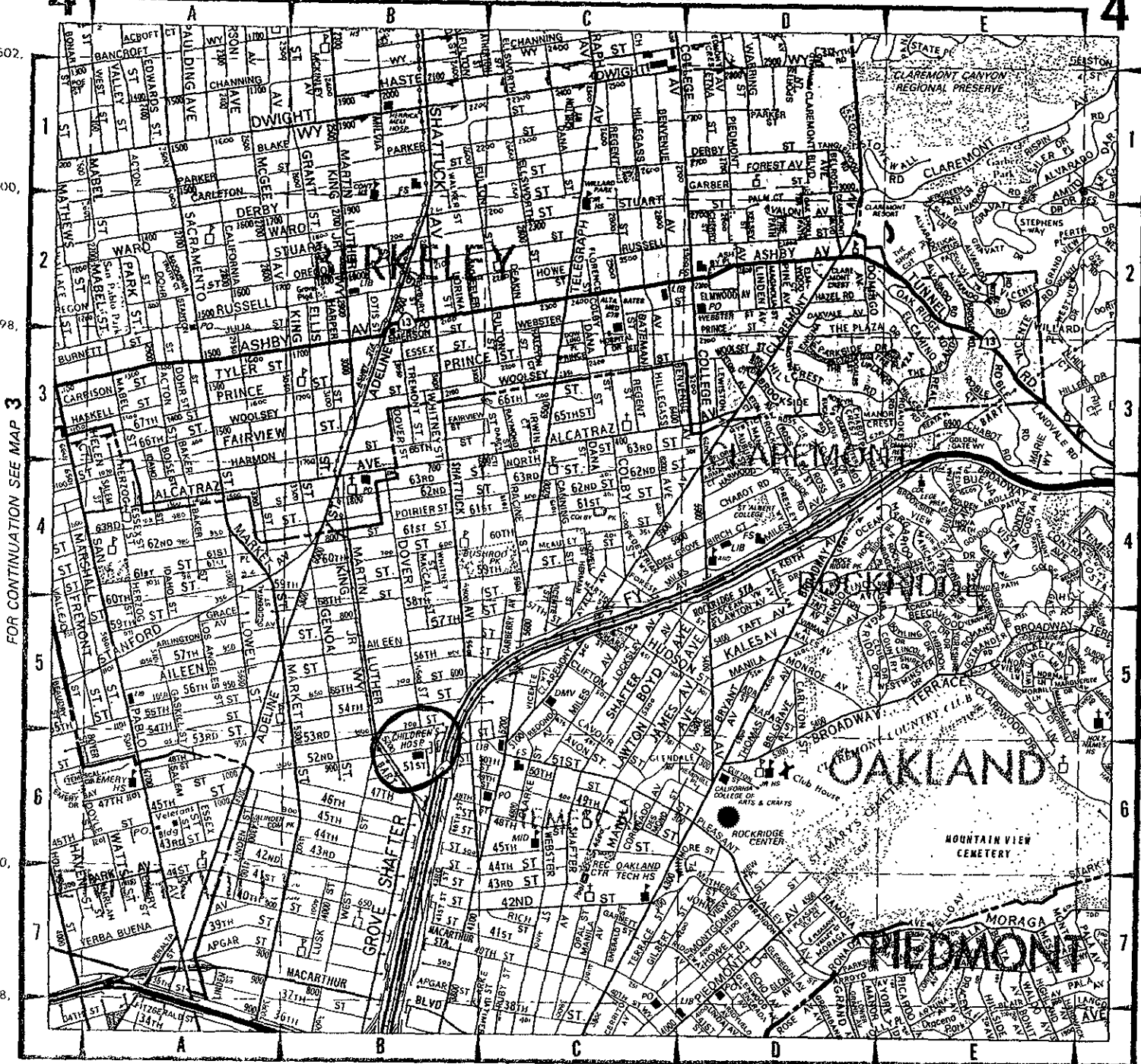
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488.



FOR CONTINUATION SEE MAP 3

DETAIL

1,485.

1,488.

1,497.

1,500.

FOR CONTINUATION SEE MAP 6

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