

C A M B R I A

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8:58 am, May 09, 2008

Alameda County
Environmental Health

November 21, 2002

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
Via Fax (510) 337-9335

FILE COPY

Re: **Workplan Addendum – Soil and Groundwater Investigation**
Nady Systems
1137-1167 65th Street
Oakland, California 94608
Case No. RO000082



Dear Mr. Chan:

On behalf of Nady Systems, Inc., Cambria Environmental Technology, Inc., (Cambria) is submitting this addendum to the *July 12, 2002 Workplan – Soil and Groundwater Investigation* (Workplan) prepared by Subsurface Consultants, Inc. The Alameda County Health Care Services Agency (ACHCSA) approved and modified the Workplan in an August 7, 2002 letter to Mr. John Nady of Nady Systems, Inc. As you requested today, Cambria prepared this addendum regarding revised boring locations based on new information described herein.

Proposed Boring Near 'Gasoline Tank'

Your August 7, 2002 letter requested additional information regarding the 'gasoline tank' and 'gas pump' at the site. During our site walk to prepare for the upcoming investigation, Cambria observed disturbed asphalt in the location of the former 'gas pump' shown on the attached figure. The disturbed asphalt suggests that the 'gasoline' tank was located beneath the "gas pump." The tank was reported removed in 1982. As shown on the attached figures, Cambria proposes to complete one boring within the location of the former "gas pump."

Revised Boring Locations Near Piping

As requested by your August 7, 2002 letter, Cambria conducted geophysical surveying to investigate the locations of piping at the site. Notes from the geophysical surveying are shown on the attached figure. As noted on the figure, Cambria was unable to locate piping emanating from the locations of USTs 1,2,3 & 4. We suspect two pipes emanate from USTs 5 & 6, head west and encounter another pipe at an angle (not perpendicular as previously estimated) within a very small room. North of this location the piping appears to head northwest toward 65th Street.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Based on this information Cambria proposes completing one boring approximately 10 ft west of UST 5. This boring would provide subsurface information downgradient of UST 5 and upgradient of the suspected piping junction in the small room west of UST 5. This proposed modification would eliminate one boring since the limited accessibility in the small room would place the requested two borings approximately 10 feet apart.

Cambria also proposes completing one boring immediately adjacent to the piping found in the hallway in the central portion of the site. This boring would replace the two borings that were requested along the suspected location of the piping in that area. The orientation of the piping in the hallway suggests the piping could come from the small room west of UST 5. Our geophysical subcontractor commented that the piping in the hallway in the central portion of the site could be a water line.

The net result of our proposed modifications is one less boring than requested by your August 7, 2002 letter. Cambria now proposes to complete a total of ten (10) borings – three (3) borings in the interior of the building with a limited-access rig and seven (7) borings outside the building. However, because the California UST Cleanup Fund has pre-approved eleven (11) borings, Cambria may complete an eleventh boring for additional assessment based on field observations (time permitting).

Sampling Protocol

Sampling within the boring will be conducted in accordance with the approved Workplan and your comments of August 7, 2002. Specifically, two soil samples will be collected from each boring – one within the vadose zone and one at the bottom of the boring. A grab groundwater sample will also be collected from each boring. The two soil samples and the one groundwater sample from each boring will be analyzed for:

- Total petroleum hydrocarbons (TPH) as gasoline, naphtha and Stoddard solvent by modified EPA Method 8015m,
- TPH as diesel and motor oil by EPA Method 8015m using silica gel cleanup, and
- Volatile Organic Compounds (VOCs) by EPA Method 8260, including trip blanks.

In addition, the soil samples will be analyzed for Total Lead by EPA Method 7421.

SCHEDULE

Cambria plans to conduct the investigation field activities on November 25 and 26, 2002.

CLOSING

Please provide written approval of this Workplan this week to allow incorporation into the field activities scheduled for this coming Monday. If you have any questions or comments regarding this workplan addendum, please call me at (510) 420-3303.

Sincerely,
Cambria Environmental Technology, Inc.



Bob Clark-Riddell, P.E.
Principal Engineer



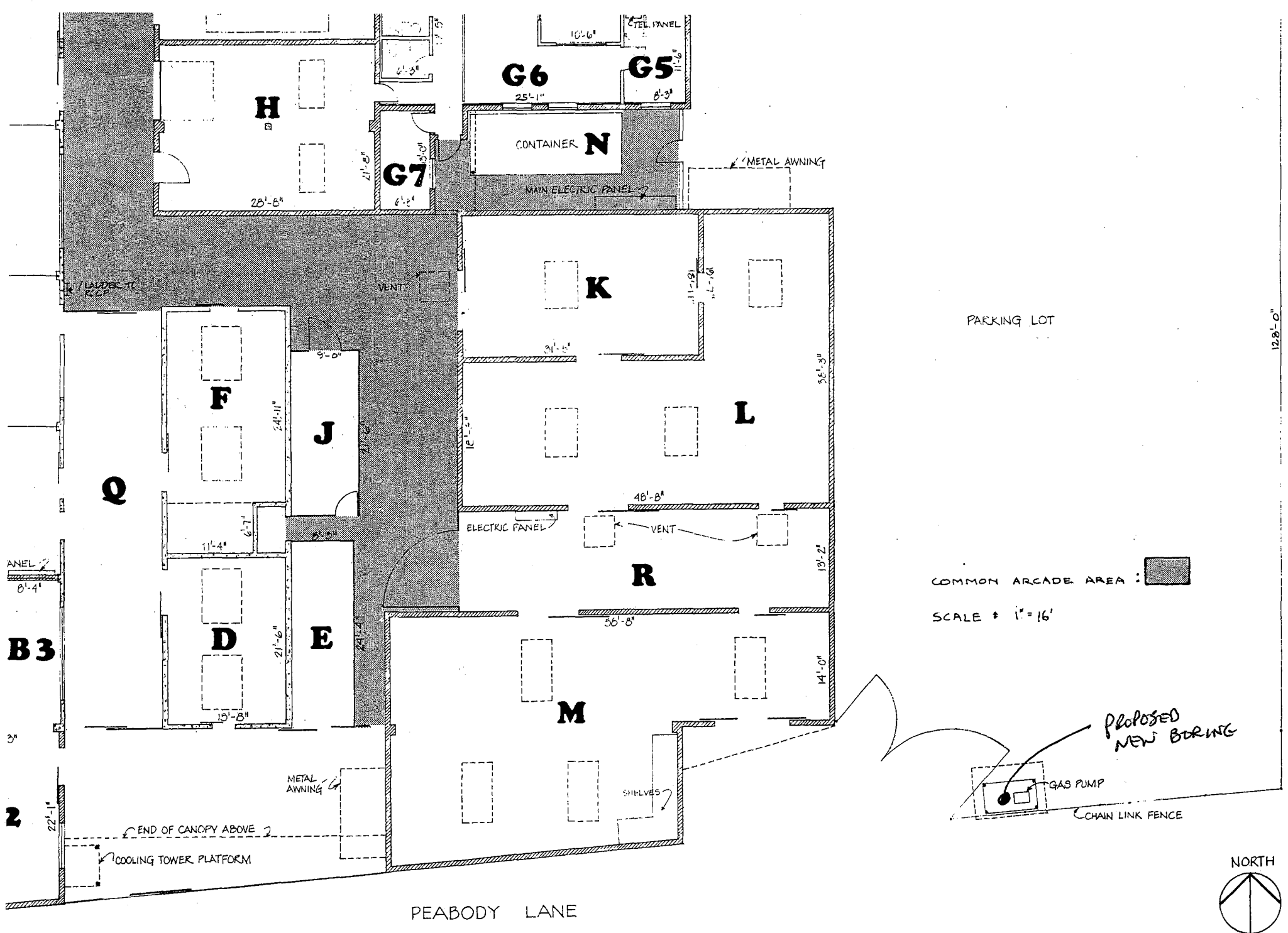
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Attachment: A – Proposed Sampling Locations and Geophysical Notes and ‘Gas Pump’ Figure

cc: Fred Schrag, Nady Systems, 6701 Shellmound Street, Emeryville, CA 94608

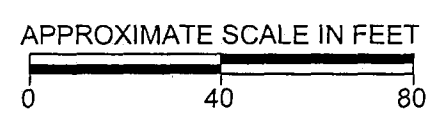
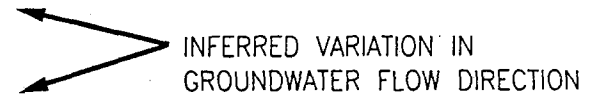
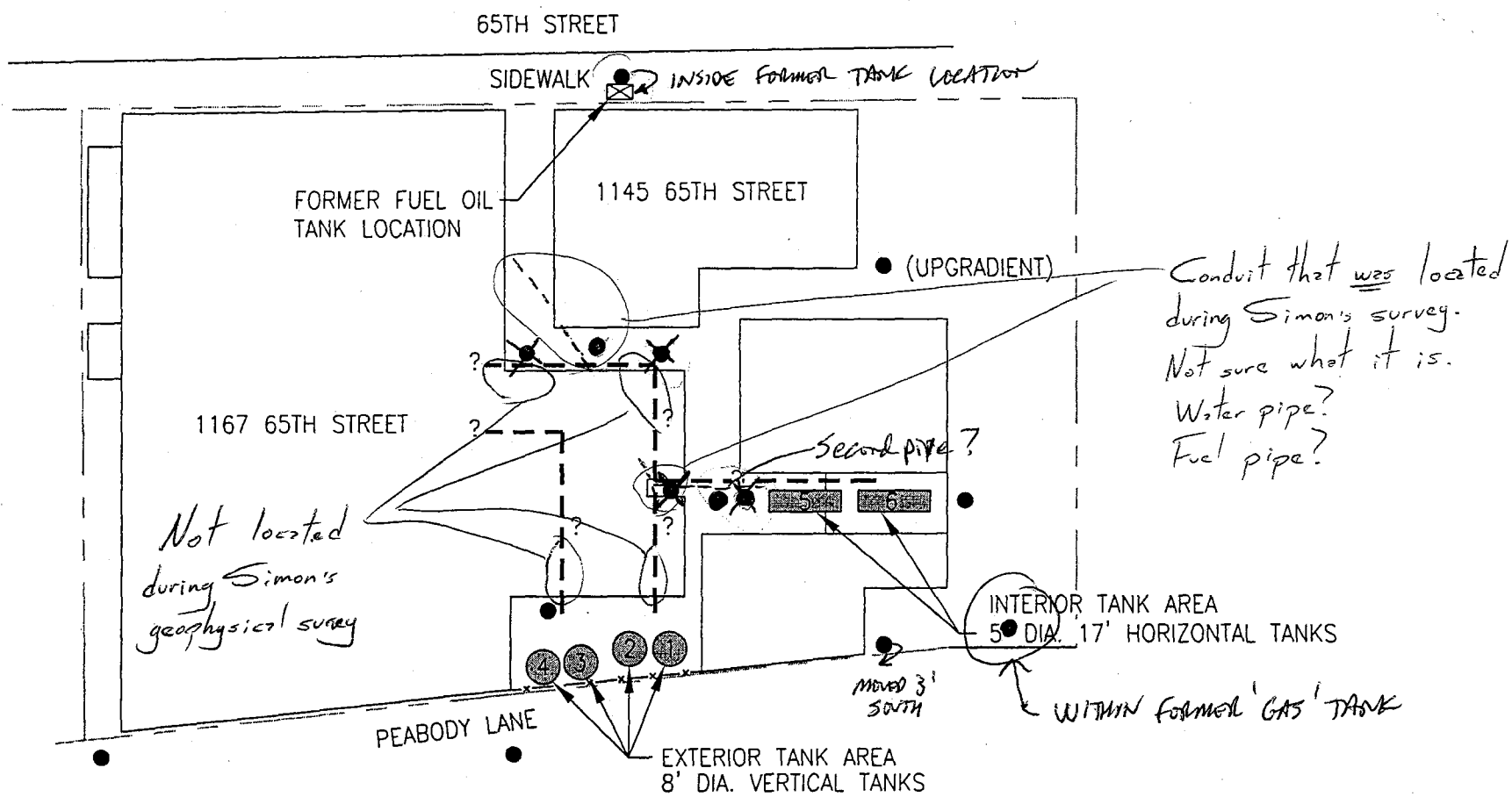
ATTACHMENT A

Proposed Sampling Locations and Geophysical Notes and 'Gas Pump' Figure



12'-8"-0"

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LEGEND:

- *PROPOSED* SAMPLE LOCATION
- ?-- SUSPECTED PIPELINE LOCATIONS
- ✱ *PROPOSED DELETION OF SAMPLE LOCATION*

SAMPLING LOCATION PLAN		
1137-1167 65TH STREET OAKLAND, CALIFORNIA		
DRAWN BY: CFY	DATE 7/9/02	PLATE 2
JOB NUMBER 855.004	FILE NUMBER: A855.004.02	

Subsurface Consultants, Inc.
Geotechnical & Environmental Engineers