



July 17, 2000

49600.6

Mr. Barney Chan
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

**Stockpile Soil Sampling
Garden Hotel Project
9th Street and Broadway
Oakland California**

Dear Mr. Chan

This letter presents the result of stockpile soil sampling and analyses that Harding Lawson Associates (HLA) performed at the Garden Hotel Project (the Site), located at 9th Street and Broadway in Oakland California, on the behalf of the City of Oakland Redevelopment Agency. The City of Oakland has requested that we provide you with this information in order to keep the Alameda County Health Agency, Department of Environmental Health abreast of ongoing environmental issues at the Site.

As outlined in our report; *Soil Management Plan, 9th Street and Broadway Redevelopment, Oakland, California* dated March 27, 2000, soil removed from the Site during construction required waste characterization prior to offsite reuse or disposal. After completing the excavation and recompaction of the soil in the upper 7 to 13 feet, the construction contractor, N. L. Barnes Construction Company (Barnes), graded the Site to final elevation and dug trenches for the building foundations. An excess volume of soil in the approximate amount of 3,500 cubic yards remained to be off-hauled from the Site.

On June 12, 2000, HLA collected 24 soil samples from the stockpiled material in clean glass jars equipped with Teflon lined lids. The samples were collected from the stockpile at random locations and placed in the jars with no headspace. The samples labeled and placed immediately in a cooler chilled with ice, then transported, by courier under chain-of-custody protocol, to Chromalab Environmental Services of Pleasanton, California. The laboratory composited the 24 samples into six 4-point composite samples, which were run for the following analyses:

- Volatile organic compounds in accordance with EPA Test Method 8260;
- Total Petroleum Hydrocarbons as diesel and motor oil in accordance with EPA Test Method 8015 modified;
- Total Threshold Limit Concentration (TTLC) for California Administrative List (CAM) of 17 metals;
- Soluble Threshold Limit Concentration (STLC) for lead in accordance with the waste extraction test (W.E.T.);
- Reactivity, Corrosivity, Ignitability.

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Alameda County Health Agency
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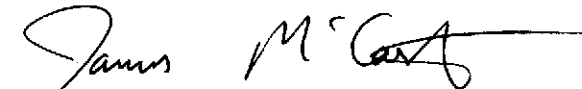
The results of these analyses are presented in the attached Tables 1 and 2. For the sake of clarity, the TTLC lead results are included in both Table 1 and 2. Because the results indicated the stockpiled soil contained STLC of lead at concentrations ranging from 5.9 milligrams per liter (mg/l) to 8.0 mg/l (see Table 2), characterizing the soil as California Hazardous Waste as defined in Title 22 of the California Code of Regulations, the six 4-point composite samples were tested for soluble lead using the toxicity characteristic leachate procedure (TCLP) to see if the soil should be characterized as Federal Hazardous Waste as defined in the Federal Code of Regulations, Title 40. No lead was detected above 1.0 mg/l in any of the samples using this procedure (see Table 2).

Based on these results the soil was characterized as RCRA hazardous waste and off-hauled and disposed of at Kettleman City by Dillard Environmental Services between July 5, 2000 and July 13, 2000.

If you have any questions or require more information, please call James McCarty at (510) 628-3220.

Yours very truly,

HARDING LAWSON ASSOCIATES



James McCarty
Project Engineer



Stephen Osborne
Geotechnical Engineer

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1 copies submitted

Enclosures

Table 1 - Results of Total Threshold Limit Concentration Analyses

Table 2 - Results of TPH, VOC, RCI, and Soluble Lead by the W.E.T. and TCLP Analyses

cc: Mark Gomez
City of Oakland Public Works Agency
250 Frank H. Ogawa Plaza, Suite 5301
Oakland Ca 94612

Michael Chan
OGM LLC
388 9th Street, Suite 228
Oakland Ca 94607-4244

Table 1. Results of Total Threshold Limit Concentration Analyses
 California Administrative List of 17 Metals
 Garden Hotel Project
 9th Street and Broadway
 Oakland, California

Sample Identification	Units	SP1(A-D) Composite	SP2(A-D) Composite	SP3(A-D) Composite	SP4(A-D) Composite	SP5(A-D) Composite	SP6(A-D) Composite
Antimony	(mg/kg)	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2
Arsenic	(mg/kg)	3.4	3	3.1	3.8	3.1	3.6
Barium	(mg/kg)	100	91	76	91	92	110
Beryllium	(mg/kg)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
Cadmium	(mg/kg)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8	ND<0.5
Chromium	(mg/kg)	32	31	26	31	30	32
Cobalt	(mg/kg)	6.2	6.4	4.7	6.2	5.9	7
Copper	(mg/kg)	22	21	21	24	22	23
Lead	(mg/kg)	94	70	90	87	85	76
Molybdenum	(mg/kg)	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Nickel	(mg/kg)	26	27	21	30	26	30
Selenium	(mg/kg)	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2
Silver	(mg/kg)	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Thallium	(mg/kg)	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
Vanadium	(mg/kg)	25	23	21	25	24	26
Zinc	(mg/kg)	90	200	230	110	460	95
Mercury	(mg/kg)	0.45	0.51	0.56	0.46	0.49	0.38

TTLIC Total Threshold Limit Concentration
 mg/kg milligrams per kilograms

Table 2. Results of TPH, VOC, RCI, and Soluble Lead by the W.E.T. and TCLP Analyses
 Garden Hotel Project
 9th Street and Broadway
 Oakland, California

Sample Identification	VOCs Units	RCI NA	TPH Motor		Lead		Lead TCLP (mg/l)
			TPH Diesel (mg/kg)	Oil (mg/kg)	TTLT (mg/kg)	STLC (W.E.T.) (mg/l)	
SP1(A-D) Composite	ND	No	150*	470	94	5.9	ND<1.0
SP2(A-D) Composite	ND	No	17*	160	70	6.5	ND<1.0
SP3(A-D) Composite	ND	No	14*	150	90	6.5	ND<1.0
SP4(A-D) Composite	ND	No	17*	190	87	6.7	ND<1.0
SP5(A-D) Composite	ND	No	15*	150	85	8.0	ND<1.0
SP6(A-D) Composite	ND	No	29*	160	76	6.5	ND<1.0

VOCs Volatile Organic Concentration

RCI Reactivity, Corrosivity, Ignitability

TPH Total Petroleum Hydrocarbons

TTLT Total Threshold Limit Concentration

STLC Soluble Threshold Limit Concentration by waste extraction test (W.E.T.)

TCLP Total Concentration Leaching Procedure

mg/kg milligrams per kilograms

* Hydrocarbon reported does not match the diesel pattern standard

FACSIMILE TRANSMISSION

To: Barney Chan

Fax Number: 337-9335

From: Jim McCarty

Date: June 6, 2000

Subject: 9th and Broadway Sample Locations

Project Number: 49600-5

Number of pages (including this cover sheet): 3

Remarks:

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Harding Lawson Associates
Engineering and Environmental Services
383 Fourth Street, Third Floor
Oakland, CA 94607 — (510) 451-1001

FAX (510) 451-3165



Harding Lawson Associates
Engineering
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SHEET 1 OF 1

JOB NO. 49600-5

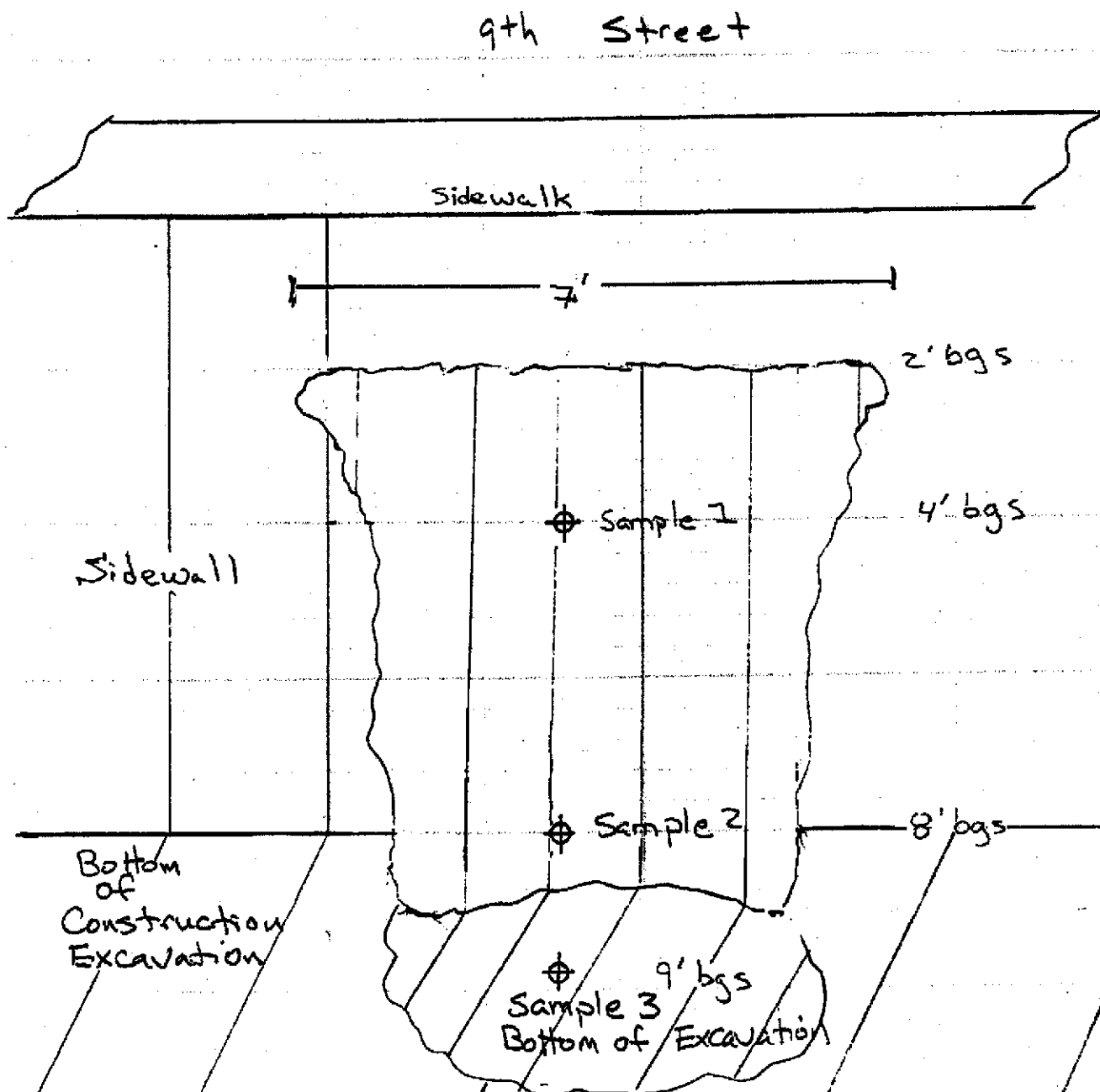
DATE 6-6-00

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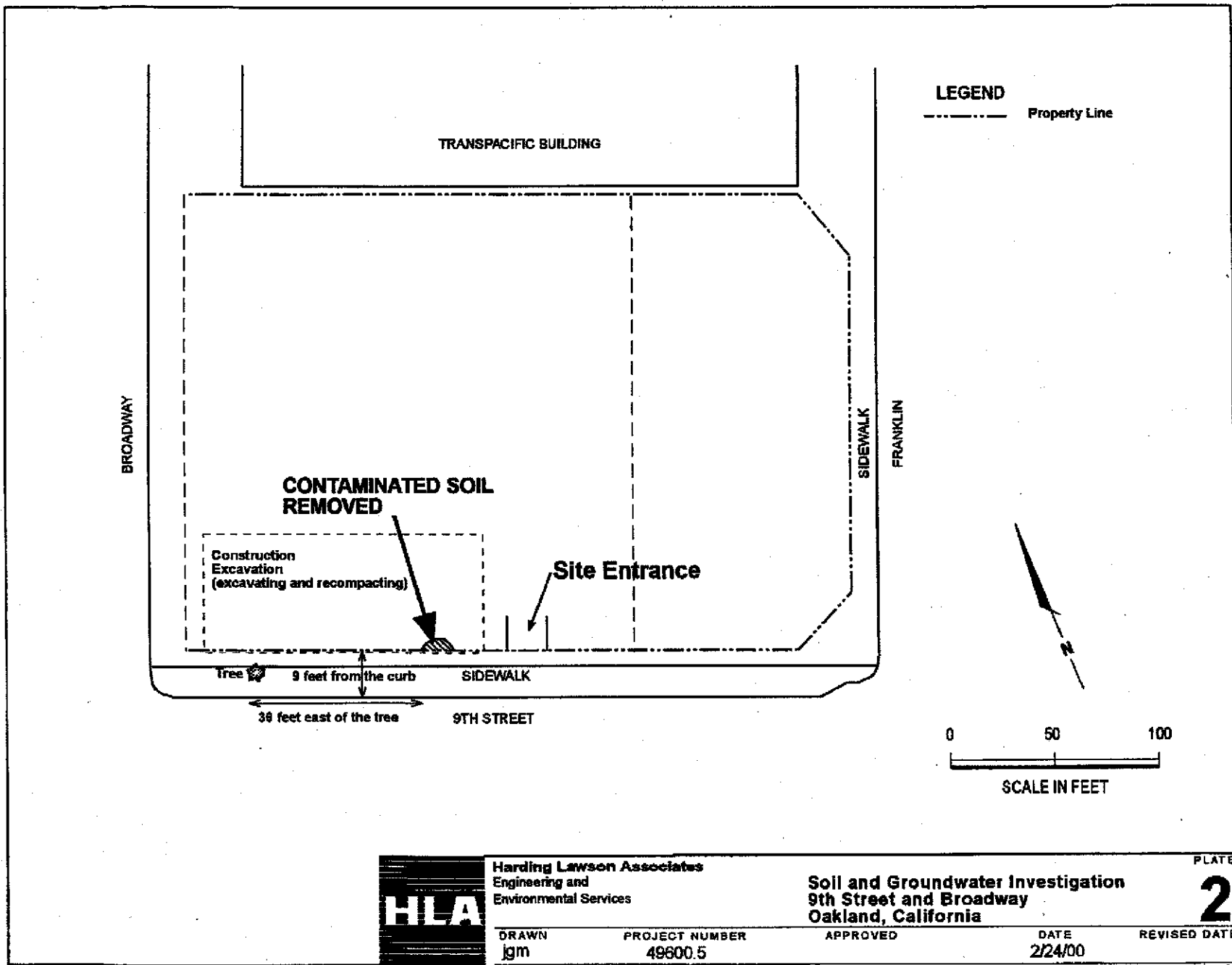
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PROJECT 9th St. of Broadway

SUBJECT Soil Sample Locations



Note: Bottom of excavation was 1 to 1 1/2 feet below surrounding construction excavation



** TOTAL PAGE.03 **



Harding Lawson Associates
Engineering and
Environmental Services

Soil and Groundwater Investigation
9th Street and Broadway
Oakland, California

PLATE
2

DRAWN
jgm

PROJECT NUMBER
49600.5

APPROVED

DATE
2/24/00

REVISED DATE

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ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 1, 2000

Mr. Mark Gomez
City of Oakland
250 Frank H. Ogawa Plaza, Suite 5313
Oakland CA 94612-2034

Re: 9th and Broadway Development, Oakland Garden Hotel

Dear Mr. Gomez:

Because of our office's continuing oversight of the referenced project, due to the unexpected encountering of petroleum contaminated soil, our office requests an additional \$1000.00 to account for this unexpected oversight and any future involvement.

Therefore, your total deposit request should be \$1500.00, which includes the \$500.00 balance previously requested by our office. Please submit this deposit as soon as possible.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

CvB. Chan, files
Mr. Ryan Moore, City of Oakland

Dep9thBroadway