

February 21, 2001

Ms. Eva Chu  
Alameda County Health Agency  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, California 94502

Re: **Chromium Test Results**  
Orchard Park Tract 7329  
Former Etching Room and Drainage Trough  
Hayward, California  
*Project No: M174*

Dear Ms. Chu:

Harza Engineering Company, Inc. (Harza) has prepared this letter at the request of Greystone Homes. This letter presents the analytical results from soil samples collected from the approximate location of a former etching room drainage trough. The trough was located within a former business located at 112 Berry Avenue.

The trough was identified as a concern during a previous investigation performed by Harza in 1998. During that investigation, a sample of concrete from the drainage trough was analyzed and was found to contain chromium at levels that warranted concern. The analytical results identified chromium in the concrete at a concentration of 950 milligrams per kilogram (mg/kg). At the time of sampling, there was no identification of cracking in the concrete. Subsequently, a site mitigation Work Plan was prepared by Harza (March 9, 1999). The Work Plan recommended that the concrete trough be removed and disposed, and that sampling of the underlying soils be conducted.

During a record review performed by the Alameda County Health Agency, it was noted that there is no documentation regarding observation of the trough removal or confirmation soil sampling. In addition, neither Greystone nor Harza had any disposal or sampling records. At the request of Greystone, Harza coordinated with Alameda County Health Agency regarding sampling and analysis of soil samples from the location of the former etching room and associated trough. It was noted by Greystone that the area had been rough graded and that approximately 1½ feet of engineered fill material overlaid the former trough location. On

Harza utilized site drawings and Greystone personnel to approximately locate the former etching room and trough. February 19, 2001, a Harza geologist went to the site, approximately located the former trough, made a grid of the area. A total of three soil samples, identified as CB-1 through CB-3, were collected by hand augering to a depth of approximately 1½ feet below ground surface and driving the sampler containing a six-inch brass sleeve into the native material. The fill material consists of brown silty sand, and the native material consists of yellowish brown clay. The soil sampling locations are shown on the attached drawing.

The soil samples were submitted to McCampbell Analytical a state certified laboratory and analyzed for total chromium. The analytical results identified chromium concentrations of 35 mg/kg in CB-1, 33 mg/kg in CB-2 and 30 mg/kg in CB-3. The laboratory reports are attached.

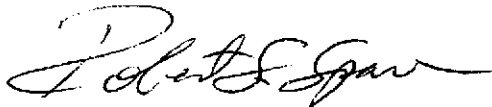
A review of the data indicates that the chromium concentrations are below the Total Threshold Limit Concentration for chromium (2,500 mg/kg) and below ten times the Soluble Threshold Limit Concentration for chromium (50 milligrams per liter). The chromium concentrations are also below the Preliminary Remediation Goals for unrestricted residential use established by the U.S. Environmental Protection Agency (210 mg/kg).

The results did not reveal concentrations of chromium above the regulatory limits. Therefore it would be greatly appreciated that approval for occupancy be granted since it is anticipated that occupancy is slated to begin on February 28 of this month.

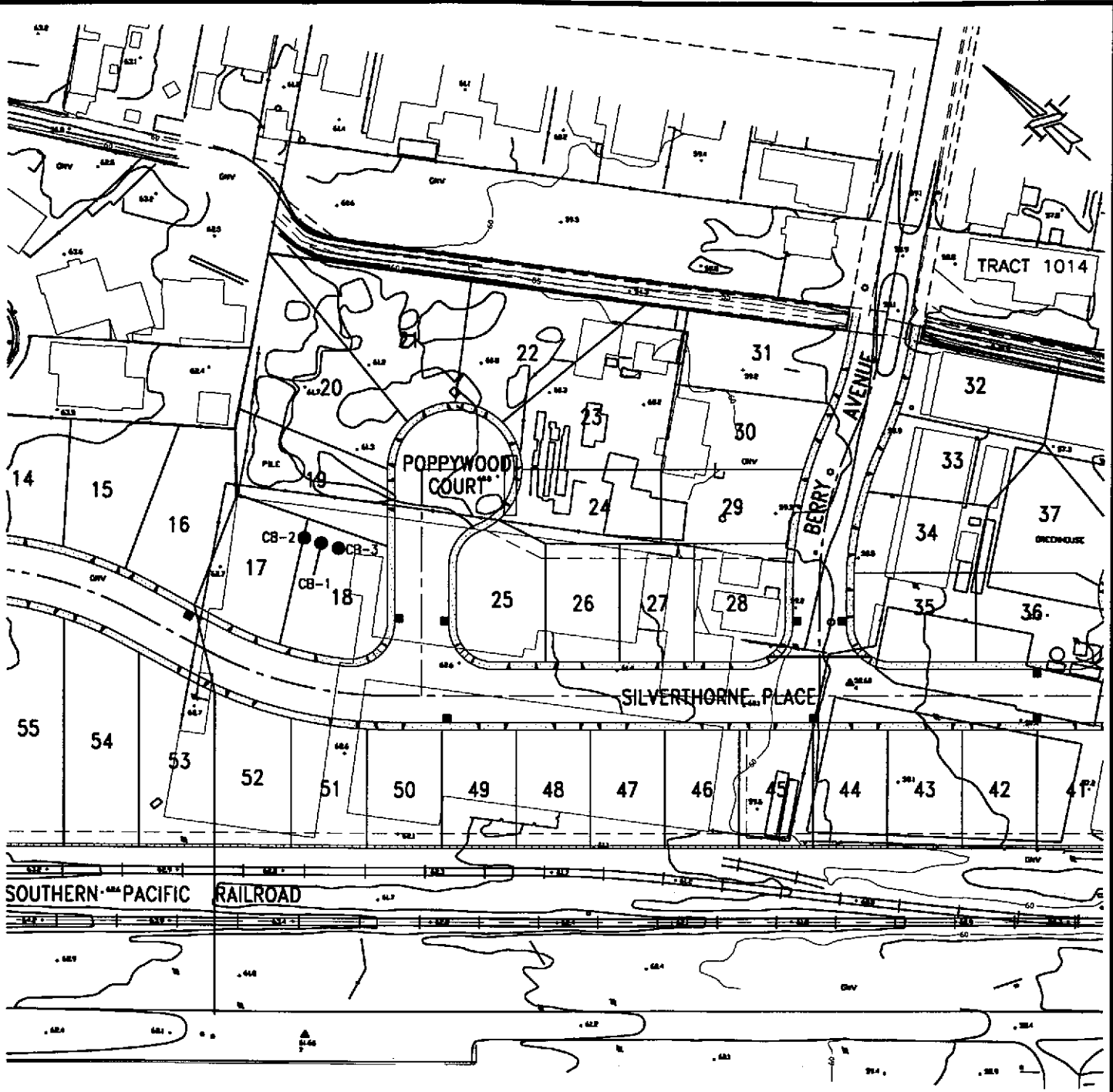
If you have any questions, please contact Mr. Jim Stich of Greystone Homes at (925) 250-9074 or the undersigned at (925) 685-6275.

Sincerely,

Harza Engineering Company, Inc.

A handwritten signature in black ink, appearing to read "Robert S. Spare". The signature is fluid and cursive, with a large initial "R" and "S".

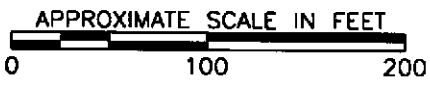
Robert S. Spare  
Project Manager



**LEGEND**

● CB-3 APPROXIMATE LOCATION OF CHROMIUM SAMPLING LOCATION (2/12/01)

NOTE:  
SOIL SAMPLE CB-1 WAS COLLECTED AT APPROXIMATE LOCATION OF FORMER ETCHING ROOM DRAIN



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**HARZA**  
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Oakland, California, 94621  
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DRAWN BY: ROC  
PROJECT: SS  
APP'D BY: SS  
SCALE: 1" = 100'  
DATE: 21FEB01  
DRAWING NO: M174EC-01

**CHROMIUM SAMPLING LOCATIONS - 2/20/01**

**ORCHARD PARK TRACT 7329  
HAYWARD, CALIFORNIA**

FIGURE

**1**

PROJECT No.

**M174-EC**



