



**CITY OF EMERYVILLE  
REDEVELOPMENT AGENCY**

2200 POWELL STREET, SUITE 1200

EMERYVILLE, CALIFORNIA 94608

(510) 596-4350

May 4, 1992

Ravi Arulanantham, Ph.D., CHMM  
Alameda County Health Agency, Division of Hazardous Materials  
Department of Environmental Health  
80 Swan Way  
Oakland, CA 94621

**RE: Vacant Lot at 1056-48th Street, Emeryville, CA.**

Dear Mr. Arulanantham:

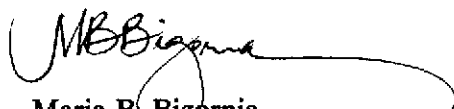
As you are aware, the Emeryville Redevelopment Agency's remediation plan for the referenced site is to leave the contamination in place, cap the site with impervious materials, and construct residential units to be sold to low and moderate income households.

During our meeting at the property on April 27, 1992, you communicated that the Redevelopment Agency's proposed remediation plan is acceptable. However, prior to obtaining approval from the County Health Agency, you requested that we provide you a document which states how the environmental concerns at the site will be mitigated.

Enclosed is a letter prepared by the project's civil engineer describing the specifications of capping the site. This information will be included in the project's construction documents. In addition to this process, the landscaping architect will also prepare a new landscaping plan that will not include any plants coming into contact with the contaminated soil under the concrete cap.

If you have any questions, please feel free to call me at (510) 596-4354, or our civil engineer, Izzat Nashashibi, at (510) 283-5000. I look forward to your letter bringing closure to this case, which will allow the Emeryville Redevelopment Agency to begin construction immediately.

Sincerely,

  
Maria B. Bigornia  
Assistant Projects Coordinator

Enclosures

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# HUMANN COMPANY INC.

ENGINEERING ♦ SURVEYING

1021 Brown Ave. Lafayette, CA. 94549

(510) 283-5000

FAX 283-3578

April 30, 1992

Ms. Maria Bigornia  
City of Emeryville  
2200 Powell Street, 12th Floor  
Emeryville, CA 94608

**RE: PARCEL MAP 6238 - 1056 48TH STREET - JOB NO. 90122**

Dear Ms. Bigornia:

Pursuant to your request, we have reviewed the environmental assessment report dated March 15, 1992 by Bendix Inc. in connection with the above referenced project. Our recommendations that follow for mitigating the existing environmental concerns as outlined in the subject report are based upon our consultations with Dave Bizot the architect, Paris Tabor the Structural Engineers, Selina Bendix and Gilbert Bendix of Bendix Environmental Research Inc.:

The entire site shall be capped including the crawlspace area beneath the proposed building. Subgrade is to be compacted to 90% relative compaction. The cap shall consist of 6 mil. polyathelene sheeting membrane to be placed on grade followed by a 2" layer of sand. A 4" section of Portland Concrete (class B 5 sack) shall then be placed over the sand. The concrete shall be reinforced with 6"X6"X10 GA.

Where connections are to occur in the placement of the membrane, there shall be a minimum 18" overlap. Extreme care shall be taken at all times so as not to puncture the membrane.

The concrete shall contain weakened plane joints every 10 feet and expansion joints every 60 feet. All contact between this concrete cap and any other concrete, including the building shall be separated with 3/4" expansion material.

All utilities are to be stubbed out to and above the ground surface in accordance with the enclosed detail "A".

I hope this satisfactorily supplements the environmental report, and if you have any questions, or need anything further, please feel free to contact me.

Very truly yours,

Izzat Nashashibi  
IN:scf



CUT HOLE IN MEMBRANE FOR SLEEVE  
AND RAP PIPE WITH MEMBRANE AND  
OVERLAP 18" OF EXISTING MEMBRANE.

6 x 6 x 10 GAGE WIRE

EXPANSION MATERIAL

P.V.C. SLEEVE

4" P.C.C.

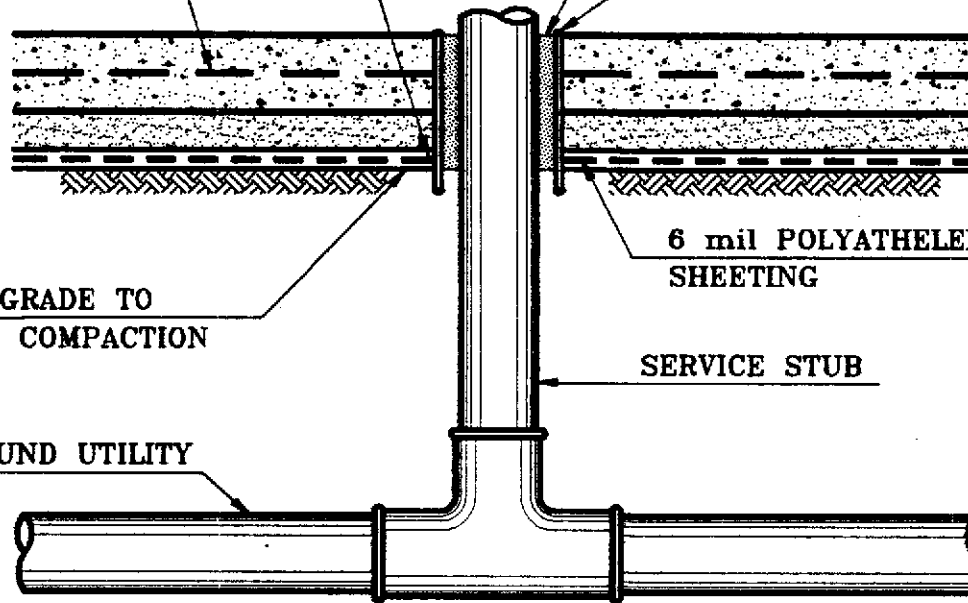
2" SAND

6 mil POLYATHELENE  
SHEETING

COMPACT SUBGRADE TO  
90% RELATIVE COMPACTION

SERVICE STUB

UNDERGROUND UTILITY



DETAIL A

SCALE N.T.S.

DATE 04/30/92

BY M. B.

JOB NO. 90122

DETAIL A

HUMANN COMPANY INC.



ENGINEERING - SURVEYING  
1021 BROWN AVE. LAYFETTE, CA 94549  
PE (610)263-5000 FAX (610)263-3578