



December 18, 1995

eva chu
Hazardous Materials Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502-6577

Re: Well Abandonment
Shell Service Station *STID 1976*
318 South Livermore Ave.
Livermore, California *94550*
ACDEH STID #1976
WA Job #81-0613-10
WIC#204-4380-0303

Dear Ms. chu:

On behalf of Shell Oil Products Company (Shell), Weiss Associates (WA) has abandoned monitoring wells MW-1, MW-2, MW-3 and MW-4, located at the site referenced above (Figures 1 and 2).

The wells were abandoned on October 27, 1995. Prior to well abandonment, permit no. 95671 was obtained from Zone 7 Water Agency (Zone 7). Before drilling each well was sounded to determine the total well depth. All four wells were between 52 and 53 feet deep. Each well was then drilled out to the total depth recorded on the boring logs; 55 feet for MW-1, MW-3 and MW-4 and 60 feet for MW-2. After drilling, each well was grouted in place, as required by Zone 7, using neat Portland cement pumped into the well through a tremi pipe to approximately two feet below grade. After the cement had settled to a stable level, the last two feet were finished with concrete flush with the surrounding surface.

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PRODUCTION
EMERYVILLE

eva chu
December 18, 1995

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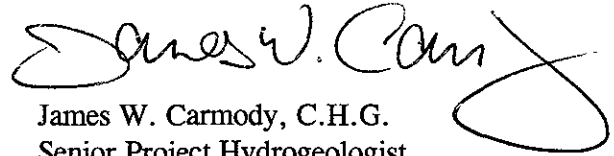
Approximately two yards of soil cuttings were generated during drilling. Soil samples were collected from the soil cuttings for disposal characterization. Upon approval, the soil was transported to Redwood Landfill in Novato, California, by Manley and Sons Trucking, Inc. of Sacramento, California.

A Department of Water Resources Well Destruction Report has been completed and forwarded to Zone 7. We do not anticipate performing any further work at this site. Please call if you have any comments or questions.

Sincerely,
Weiss Associates



Alison Watts
Senior Staff Geologist



James W. Carmody, C.H.G.
Senior Project Hydrogeologist

Attachments: Figures 1 and 2
Department of Water Resources Well Report

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cc: Jeff Granberry, Shell Oil Products Company, PO Box 4023, Concord, CA 94524
Wyman Hong, Zone 7 Water Agency, 5997 Parkside Drive, Pleasanton, CA, 94588

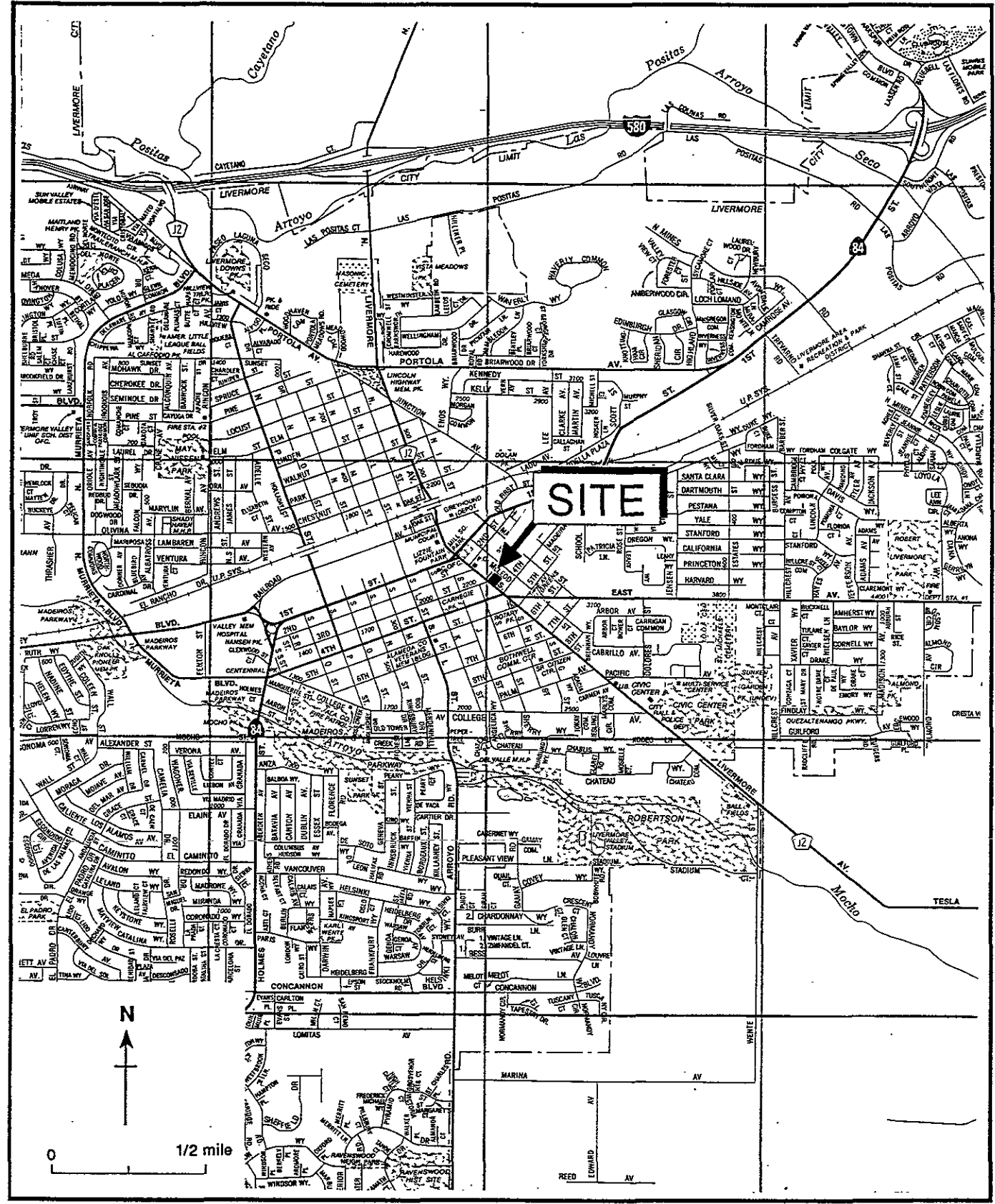
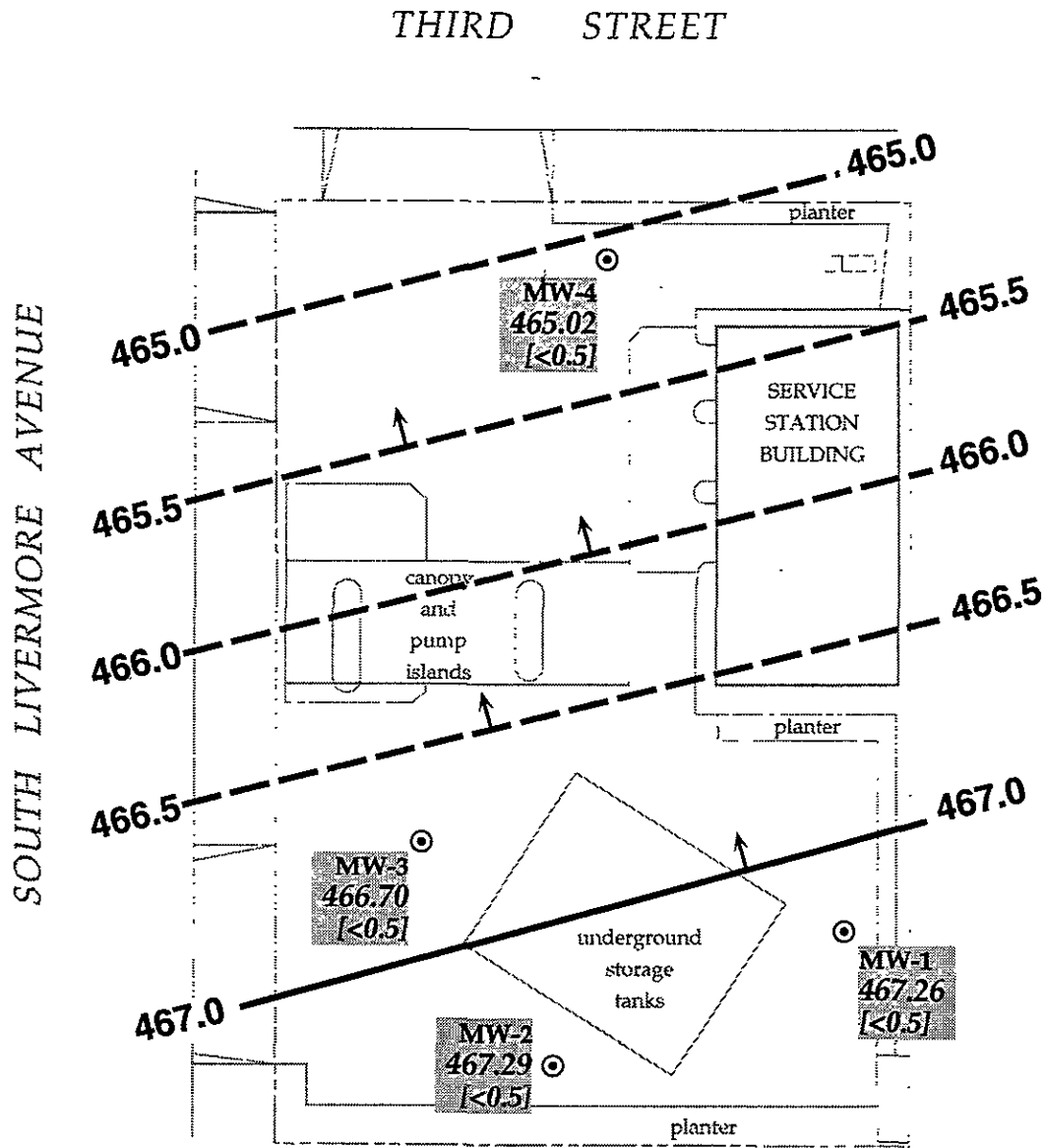


Figure 1. Site Location Map - Shell Service Station WIC #204-4380-0303, 318 South Livermore Avenue, Livermore, California



EXPLANATION

- ⊙ MW-1 Monitoring well
- 467.26 Ground water elevation, ft above mean sea level
- [<0.5] Benzene concentration in parts per billion (ppb)
- 467.0 Ground water elevation contour, ft above mean sea level, approximately located, dashed where inferred
- Inferred ground water flow direction

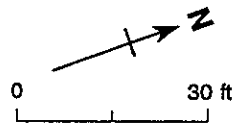


Figure 2. Monitoring Well Locations, Ground Water Elevation Contours, Benzene Concentrations in Ground Water - February 28, 1995 - Shell Service Station WIC #204-4380-0303, 318 South Livermore Avenue, Livermore, California

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED