



June 24, 1993

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Jennifer Eberle  
Alameda County Department of  
Environmental Health  
80 Swan Way, Room 200  
Oakland, California 94621

Re: STID #1107  
Shell Service Station  
29 Wildwood Avenue  
Piedmont, California  
WA Job #81-463-100

Dear Ms. Eberle:

Weiss Associates (WA) is writing you on behalf of Shell Oil Company to present the results of our attempted well installation downgradient of the site referenced above. As we indicated in a letter dated November 18, 1992 and in our recent meeting, there are numerous utilities beneath Grand Avenue that severely limit the locations where a well could be installed. However, in a letter dated December 22, 1992, a potential drilling location was identified as being free of known underground utilities. Presented below are a summary of drilling activities and our recommendations for continued work.

Drilling Summary

As we agreed during our meeting between Dan Kirk of Shell, Scott MacLeod of WA, yourself and Susan Hugo of the ACDEH, Shell would attempt to install a monitoring well on the east side of Grand Avenue down and crossgradient of the site (Figure 1). On May 6, 1993, WA Senior Staff Geologist Robert E. Kitay attempted to install the well. **However, a well could not be installed in this location because an unmarked, large diameter, concrete storm sewer was encountered at about 5 ft depth in the only possible drilling location where no utilities were previously marked or documented. Three attempts were made to find a utility-free location in this area without success.** Two electric lines, telephone lines, cable television lines, water and gas lines as well as sanitary and storm sewer lines are all located along the sidewalk and adjacent traffic lane on the east side of Grand Avenue (Figure 1). The electric, cable television, water, sewer and gas

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lines also extend up the southeast side of Wildwood Avenue. **Therefore, there appears to be no other area where a monitoring well can be installed along either the southeast side of Wildwood Avenue or the eastern side of Grand Avenue.**

### Recommendations

Since no well can be installed immediately down and crossgradient of the site, and since a well located further downgradient of the site would have little or no value, **we do not recommend installing any additional wells at this time.** However, we do recommend that ground water samples continue to be collected and analyzed for dissolved oxygen content to monitor the progress of natural hydrocarbon biodegradation by the naturally occurring microbial population in the ground water.

We trust that submittal meets your needs. Please call us if you have any questions or comments.



Sincerely,  
Weiss Associates

Janet K. Macdonald  
Senior Staff Hydrogeologist

N. Scott MacLeod, R.G.  
Project Geologist

JKM/NSM:jkm

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Attachments: Figure

cc: Dan Kirk, Shell Oil Company, P.O. Box 5278, Concord, California 94520-9998  
Lester Feldman, Regional Water Quality Control Board - San Francisco Bay, 2101 Webster Street, Suite 500, Oakland, California 94612

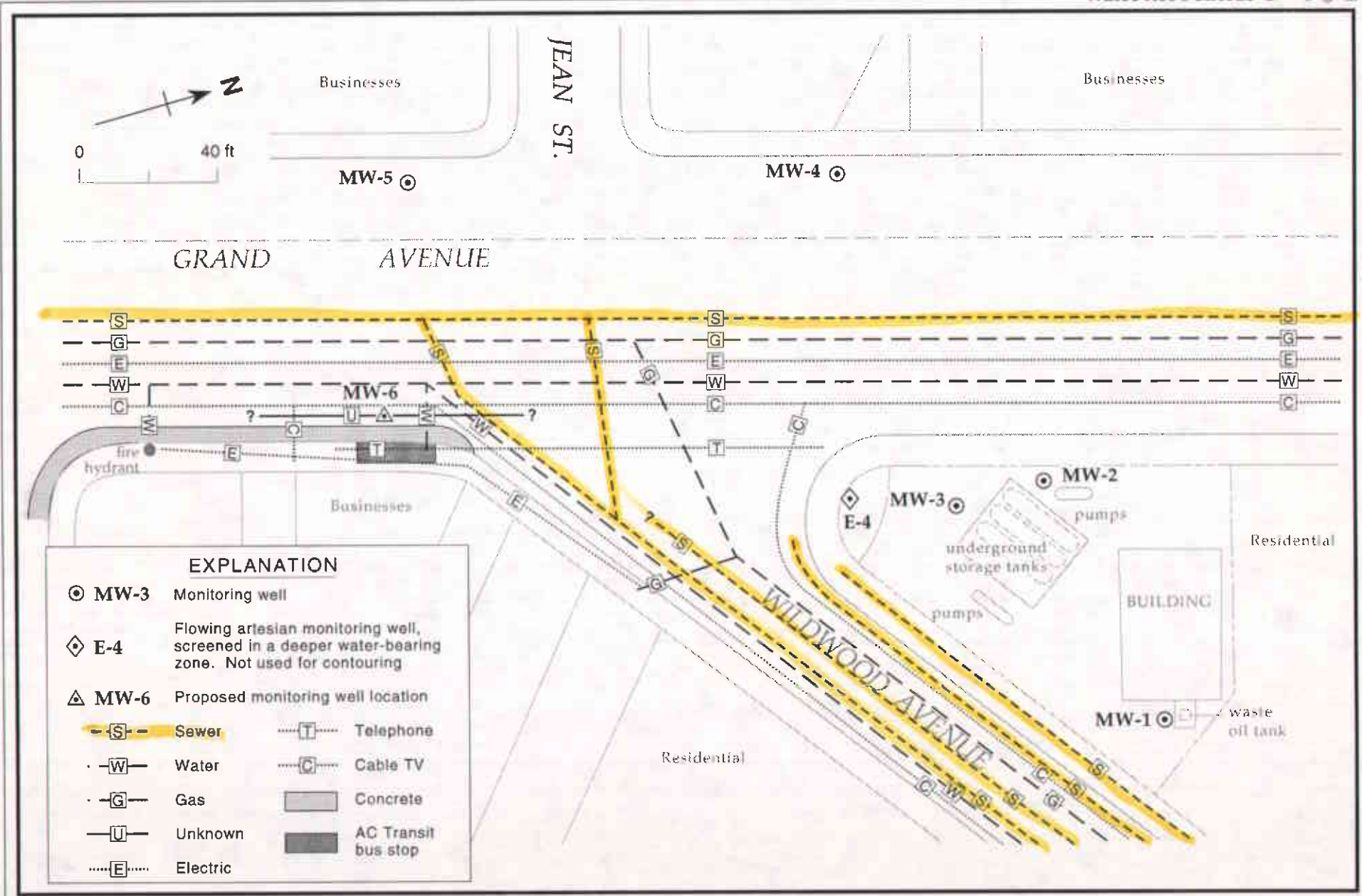


Figure 1. Underground Utility Locations - Shell Service Station, WIC #204-6001-0109, 29 Wildwood Avenue, Piedmont, California