

OK

# **BASELINE**

## ENVIRONMENTAL CONSULTING

2 October 1996  
93343-F1

Ms. eva chu  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**Subject: Interim Status of Additional Investigation, 670 98th Avenue, Oakland, California**

Dear Ms. chu:

The purpose of this letter is to provide Alameda County Department of Environmental Health (County) an interim status of the recommended additional investigation at 670 98th Avenue Site (Site). The scope of work for the recommended additional investigation is summarized in our July 1995 Report on Groundwater Monitoring and 11 March 1996 letter to the County on behalf of the City of Oakland. The scope consists of three tasks: 1) locate and repair monitoring wells MW-4 and MW-5; 2) evaluate potential off-site sources of contaminants; and 3) conduct a groundwater investigation which would include the installation of up to 14 temporary well points to further define the extent of groundwater affected by petroleum hydrocarbons and chlorinated solvents. The activities performed to date are summarized below.

On 15 April 1996, a subsurface survey was conducted at the site by BASELINE in an attempt to locate monitoring wells MW-4 and MW-5. The survey identified the location of monitoring well MW-5. The monitoring well was located on 98th Avenue and its well cover was exposed at approximately four inches below existing ground surface. The survey could not identify the location of monitoring well MW-4 due to interference reported from underlying debris in the vicinity of the well location. A limited excavation was then performed in the vicinity of monitoring well MW-4 on 27 May 1996. The excavation was conducted by Bay Area Tank and Marine under the supervision of BASELINE. The excavation exposed the monitoring well head at approximately four to six inches below existing ground surface.

The monitoring well boxes (e.g., Christy box) of MW-4 and MW-5 were replaced and the inner two inch casings were slightly raised for accessibility during future groundwater monitoring events. On 12 July 1996, all the monitoring wells were surveyed by Bates and Bailey, of Berkeley. The monitoring well locations, well box cover, and top of casing elevations were surveyed and were referenced to the City of Oakland datum (Figure 1). The top of casing elevations are shown in Table 1.

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As recommended in our the July 1995 Report on Groundwater Monitoring, the location of underground storage tanks at 692 98th Avenue was further researched; 692 98th Avenue is located north east of the site. Available files were reviewed from the Regional Water Quality Control Board, San Francisco Bay Region and from the County on 18 June 1996 and 5 September 1996, respectively. The records reviewed did not have any additional information regarding the removal of the four 1,000-gallon underground storage tanks at the former Richfield Service Station located at the property.

The City of Oakland is currently in the process of implementing the groundwater investigation task. As requested by the County, the proposed well point locations provided in the 11 March 1996 letter to the County, have been revised. Specifically, well point WP-10 and WP-12 have been repositioned and are currently located at the southeast and southwest corners of 98th Avenue and Edes Avenue as shown on the attached revised figure (Figure 2). Field activities are expected to commence in October 1996.

Should you have any questions regarding this report, or need further information, please do not hesitate to contact us at your convenience.

Sincerely,



Kevin O'Dea  
Senior Geologist



Rhodora Del Rosario  
Civil Engineer

KOD:RPD  
Enclosure

cc: Andrew Clark-Clough, City of Oakland OPW/ESD

TABLE 1

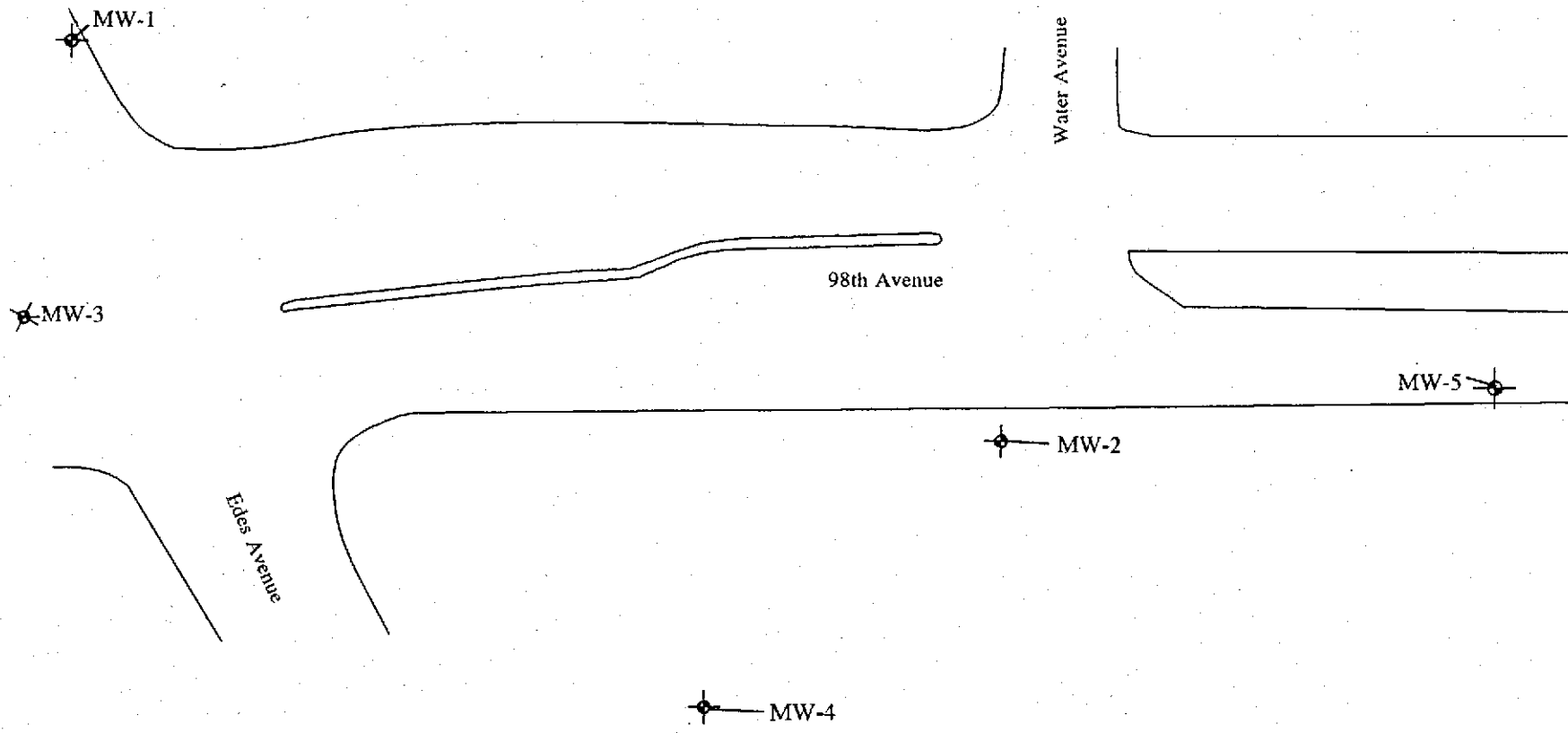
**MONITORING WELL ELEVATION DATA  
670 98th Avenue, Oakland, California**

<b>Monitoring Well</b>	<b>Original Top of Casing Elevation</b>	<b>Revised Top of Casing Elevation</b>
MW-1	16.19	16.18
MW-2	16.52	16.50
MW-3	16.56	16.54
MW-4	17.71	18.40
MW-5	Not accessible during survey	17.35


Note: Elevations based on City of Oakland datum. The original top of casing elevations were based from Subsurface Consultants Inc. references. The revised top of casing elevations were based from 12 July 1996 survey conducted from Bates and Bailey of Berkeley.

# SITE PLAN

## Figure 1



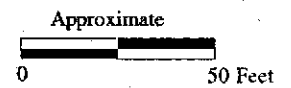
### Legend

MW-5  Groundwater Monitoring Well

**670 98th Avenue**  
**Oakland, California**

Source: Subsurface Consultants, Inc., 1990 and Bates and Bailey Land Surveyors, 1996.

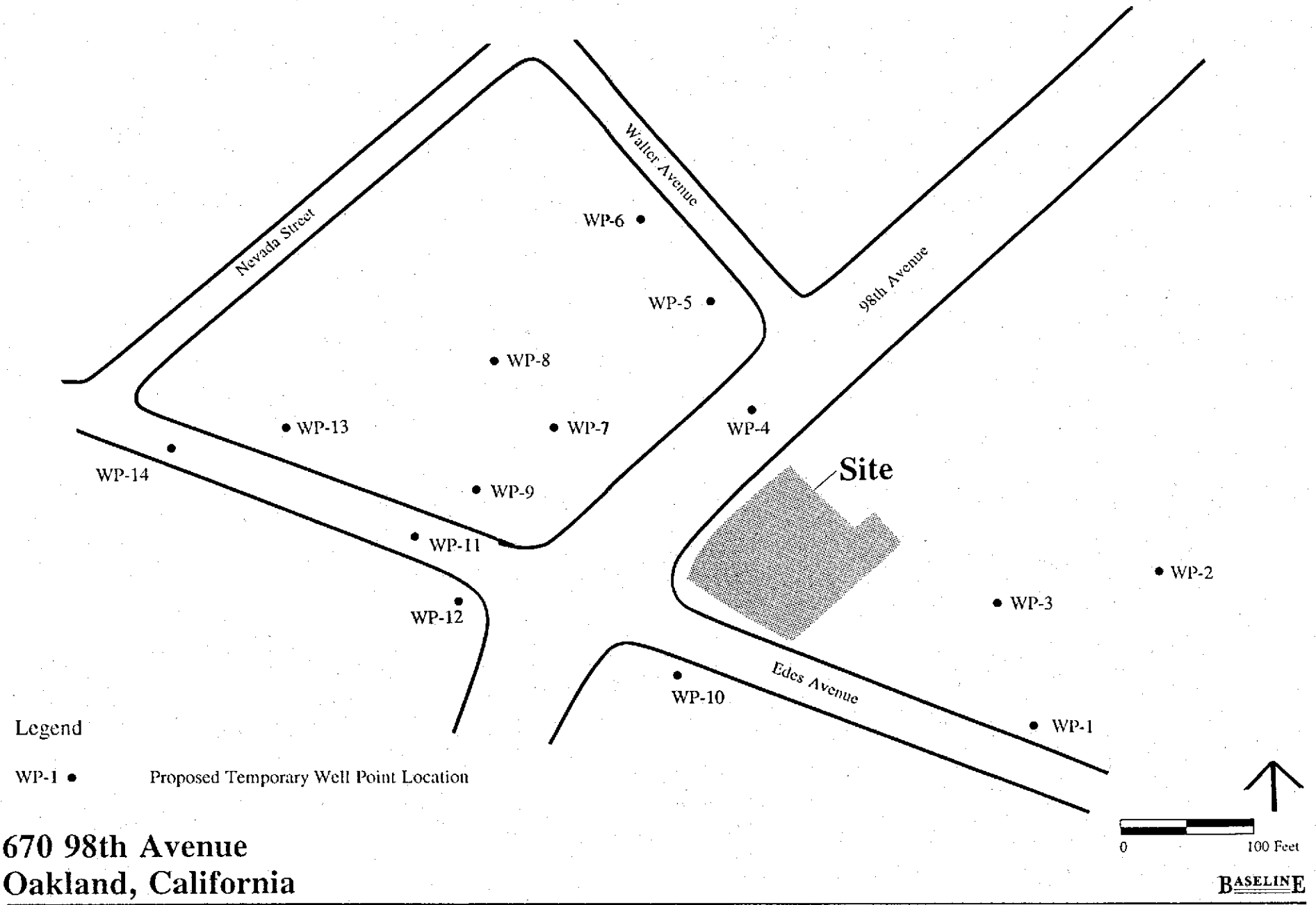
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**BASELINE**

# PROPOSED SAMPLING LOCATIONS

Figure 2



670 98th Avenue  
Oakland, California