

Certified mail # 2379 278 014

ENVIRONMENTAL
PROTECTION
VIP Service Station
3850 Century Cr.
Danville, Ca 94526
March 4, 1995
3:27

Alameda County
Health Care Services
Dept. Of Env. Health
80 Swan Way, Room 200
Oakland, CA. 94621

Attn: Scott Seery

Site: VIP Service Station
3889 Castro Valley Blvd.
Castro Valley, CA 94546

Subject: (1) Offsite Ground water Quality Investigation workplan,
P&D Workplan 0047.W2, dated Feb. 28, 1995
(2) Quarterly Ground water Monitoring And sampling Report
P & D Environmental Report # 0047R6, Dated Feb. 28, 1995

Reference: Your Letter to VIP Service Station, Dated December 20, 1994

Gentlemen:

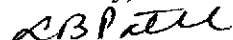
We are submitting two subject items as follows:

(1) The offsite ground water quality investigation workplan for your review and approval.
This is per your request of your letter to us dated December 20, 1994 as reference above.

(2) Quarterly ground water monitoring report documenting quarterly ground water
monitoring for your information as required for continued monitoring at above site.

Should you have any questions regarding above subject, please contact us.

Sincerely,



L. B. Patel

Attachments: Above Reports

P & D ENVIRONMENTAL

4020 Panama Court
Oakland, CA 94611
Telephone (510) 658-6916

ENVIRONMENTAL
PROTECTION

95 MAR 13 PM 3:27

February 28, 1995
Work Plan 0047.W2

Mr. Scott Seery
Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

SUBJECT: OFFSITE GROUNDWATER QUALITY INVESTIGATION WORKPLAN
VIP Service
3889 Castro Valley Blvd.
Castro Valley, California

Dear Mr. Seery:

P&D Environmental (P&D) is pleased to present this workplan for offsite groundwater quality investigation in the vicinity of the subject site. To achieve this objective, P&D proposes to collect groundwater grab samples by hand augering five temporary boreholes and collecting groundwater samples from the temporary boreholes. This work plan is prepared in accordance with your request for submittal of a work plan set forth in a letter dated December 20, 1994 addressed to Mr. Pawan Gupta and Mr. Lalji Patel of VIP Service. A Site Location Map is attached as Figure 1, and a Site Vicinity Map showing the proposed groundwater grab sample collection locations is attached with this work plan as Figure 2.

All work will be performed under the direct supervision of an appropriately registered professional. This workplan is prepared in accordance with guidelines set forth in the document "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" dated August 10, 1990 and "Appendix A - Workplan for Initial Subsurface Investigation" dated August 20, 1991.

SCOPE OF WORK

The scope of work proposed by P&D entails the following activities.

- o Obtain permission for offsite property access; obtain permits from the Alameda Water Agency, Zone 7; notify Underground Service Alert; and prepare a health and safety plan.
- o Collection of groundwater grab samples from five offsite locations.
- o Arrange for laboratory analysis of the groundwater grab samples for Total Petroleum Hydrocarbons as Gasoline (TPH-G); and for Benzene, Toluene, Ethylbenzene and Xylenes (BTEX).
- o Report preparation documenting the sample collection procedures and the laboratory analytical results.

Each of these is discussed below in detail.

Regulatory Agency Coordination

Following approval of this workplan, bids will be solicited from three different contractors for the scope of work set forth in this workplan to satisfy the requirements of the State Water Resources Control Board UST Cleanup Fund. After the bids have been received and the contract for the work has been awarded, permission will be requested from the offsite property owner and a permit application will be submitted to the Zone 7 Water Agency for the installation of the borings for groundwater grab sample collection.

After the permits have been approved and permission granted for offsite access, Underground Service Alert will be notified for underground utility location and a date scheduled for the installation of the soil borings and the collection of the groundwater grab samples. The date for field work will be set for the earliest possible date available, and the Alameda County Department of Environmental Health (ACDEH) will be notified of the date by telephone as soon as it has been set. Prior to the beginning of field work, a health and safety plan will be prepared.

Groundwater Grab Sample Collection

Based upon the westerly groundwater flow direction which has been observed at the site during the past year of quarterly groundwater monitoring and sampling, groundwater grab samples will be collected from five locations. The groundwater flow direction and the proposed locations of the groundwater grab samples, designated as P1 through P5, are shown on Figure 2.

The offsite property owner has stated that the property where the offsite investigation will be performed has recently been resurfaced. For this reason, the offsite property owner has requested that the proposed boreholes be placed at locations which are not covered with asphaltic concrete, such as in planters and at the property boundaries.

The groundwater grab samples will be obtained by hand augering to a depth of approximately two feet below the first encountered groundwater. Based on the historical depth to water in the wells at the subject site, the anticipated depth to water is approximately 10 feet. The groundwater samples will be collected from the boreholes using a Teflon bailer. The bailer will be cleaned with an Alconox soap solution and clean water rinse prior to each use.

The groundwater grab samples will be transferred to 40-milliliter Volatile Organic Analysis (VOA) vials and one-liter amber glass bottles and capped with Teflon-lined screw caps. The bottles will be labeled and stored in a cooler with ice pending delivery to McCampbell Analytical, Inc. in Pacheco, California. McCampbell is a State-accredited hazardous waste testing laboratory. Following groundwater grab sample collection, the boreholes will be filled with neat cement. Soil generated during the investigation will be stored at the subject site pending appropriate disposal.

Laboratory Analysis

The groundwater grab samples will be analyzed for TPH-G and BTEX on a normal turnaround basis.

Report Preparation

Upon receipt of the laboratory analytical results, a report will be prepared. The report will contain documentation of field activities associated with the collection of the groundwater grab samples; copies of the laboratory analytical results and chain of custody documentation; a tabulated summary of the laboratory analytical results; a discussion of the local geology and hydrogeology; a discussion of the results and recommendations based upon the laboratory analytical results; and the signature and stamp of an appropriately registered professional.

Following delineation of the extent of petroleum hydrocarbons in water, recommendations for the installation of a minimum number of strategically placed monitoring wells will be submitted. P&D recommends that analysis for EPA Method 8010 and 8270 compounds which have been historically been detected in well MW3 at the subject site be performed for groundwater samples collected from monitoring wells installed following delineation of the extent of contamination.

SCHEDULE

The following schedule addresses elements identified in this workplan.

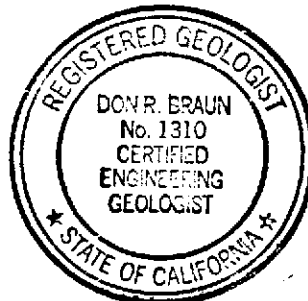
<u>Activity</u>	<u>Working Days</u>
Workplan submittal.....	Day 0
Workplan approval.....	Day 7
Solicitation of bids for work.....	Day 17
Award contract for work.....	Day 32
Permit application and site access request submittals.....	Day 37
Permit application and site access request approvals.....	Day 44
Set date for field activities.....	Day 46
Soil boring and groundwater grab sample collection.....	Day 56
Receipt of groundwater sample results.....	Day 66
Submittal of draft report to VIP Service for review.....	Day 76
Submittal of final report to Alameda County.....	Day 91

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,
P&D Environmental



Paul H. King
Hydrogeologist



Don R. Braun
Certified Engineering Geologist
Registration No. : 1310
Expires: 6/30/96

Attachments: Site Location Map - Figure 1
Site Vicinity Map - Figure 2

PHK
0047.W2

P & D ENVIRONMENTAL

4020 Panama Court
Oakland, CA 94611
Telephone (510) 658-6916



Base Map From
U.S. Geological Survey
Hayward, Calif.
7.5 Minute Quadrangle
Photorevised 1980

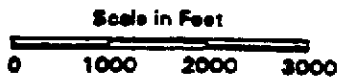
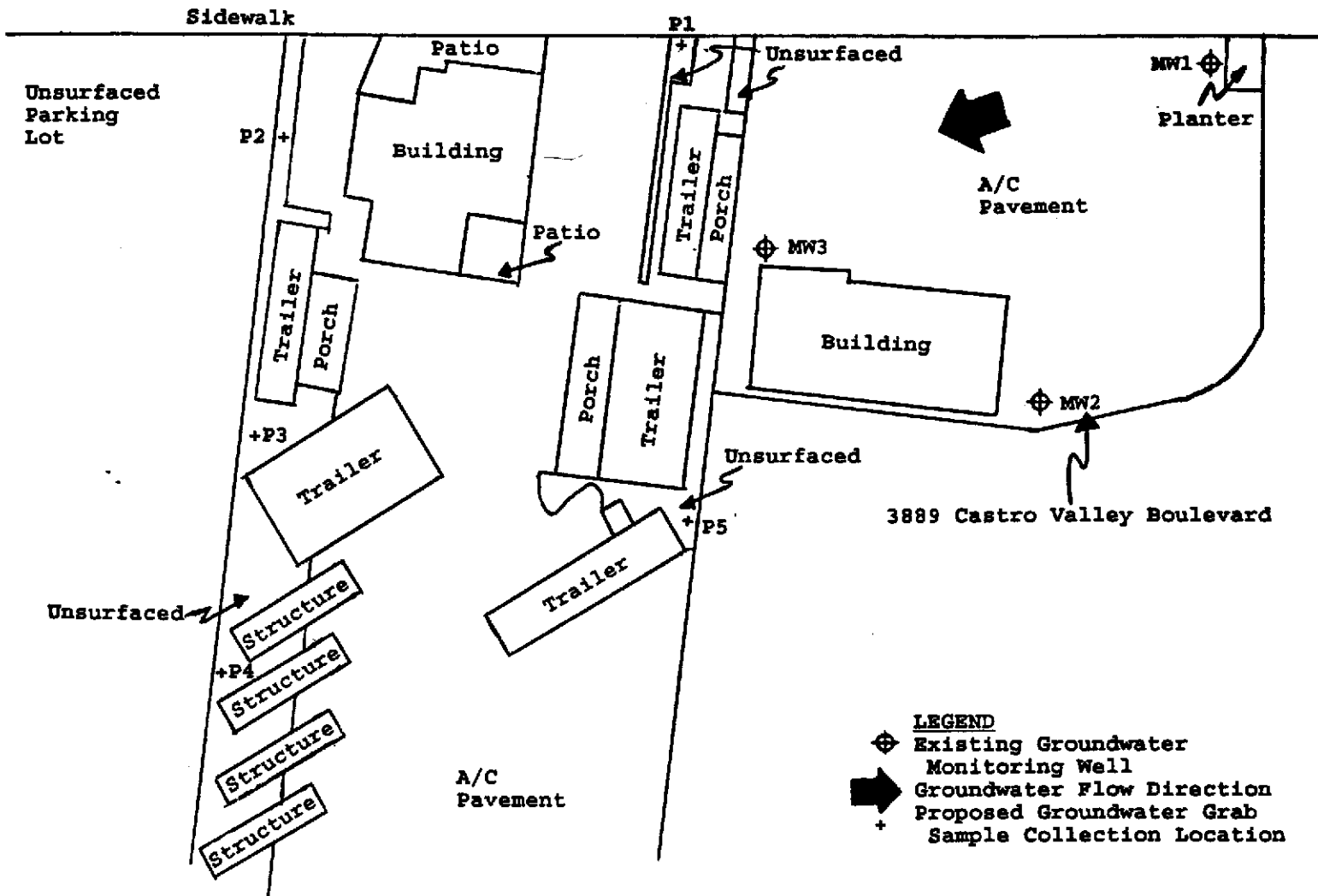


Figure 1
SITE LOCATION MAP
VIP Service
3889 Castro Valley Blvd.
Castro Valley, California

P & D ENVIRONMENTAL

4020 Panama Court
Oakland, CA 94611
Telephone (510) 658-6916

CASTRO VALLEY BOULEVARD



LEGEND
⊕ Existing Groundwater Monitoring Well
➔ Groundwater Flow Direction
+ Proposed Groundwater Grab Sample Collection Location

Base Map From
P&D Environmental
October, 1993
January, 1995
Using a Rolatope

0 20 40
Scale in Feet

North
↑

Figure 2
SITE VICINITY MAP
VIP Service
3889 Castro Valley Blvd.
Castro Valley, California