

August 16, 1995

Chevron U.S.A. Products Company 6001 Bollinger Canyon Rd., Bldg. L P.O. Box 5004 San Ramon, CA 94583-0804

Site Assessment & Remediation Group Phone (510) 842-9500

Ms. Juliet Shin Alameda County Health Care Services Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re:

Former Chevron Service Station #9-1153 3126 Fernside Boulevard, Alameda, CA

Dear Ms. Shin:

Thank you for your recent comments and concerns regarding the recently submitted Work Plan for Additional Site Assessment dated July 6, 1995, prepared by our consultant Groundwater Technology, Inc. for the above referenced site. I understand the specific concerns are whether the proposed wells are located correctly, and what information is available regarding environmental work at the former Phillips 66 location.

The July 6, 1995, work plan proposed monitor wells MW-8 and MW-9 in the locations shown on the enclosed site plan. I have compiled historic ground water gradient information and plotted the gradient vectors on the site plan in order to determine the dominant ground water flow direction. The vectors clearly indicate that the predominant flow direction is towards the west, or directly towards proposed down gradient wells MW-8 and MW-9. Copies of the historical gradient maps are enclosed for your reference. I believe the proposed locations for the two wells will be sufficient to obtain down gradient definition of dissolved hydrocarbons in ground water

As requested, I have enclosed a copy of correspondence from Chevron dated April 23, 1993, summarizing available information regarding environmental information gathered during the tank removal at the former Phillips 66 service station located at 1928 High Street. Also enclosed is correspondence from your office dated April 28, 1993, indicating that your office had no information regarding this tank removal.

We are ready to move forward with the work plan as proposed following your review and formal concurrence. For your information, we have instructed our quarterly monitoring consultant to install a passive skimmer in monitor well C-1. If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,

CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller

Site Assessment and Remediation Engineer

Enclosure

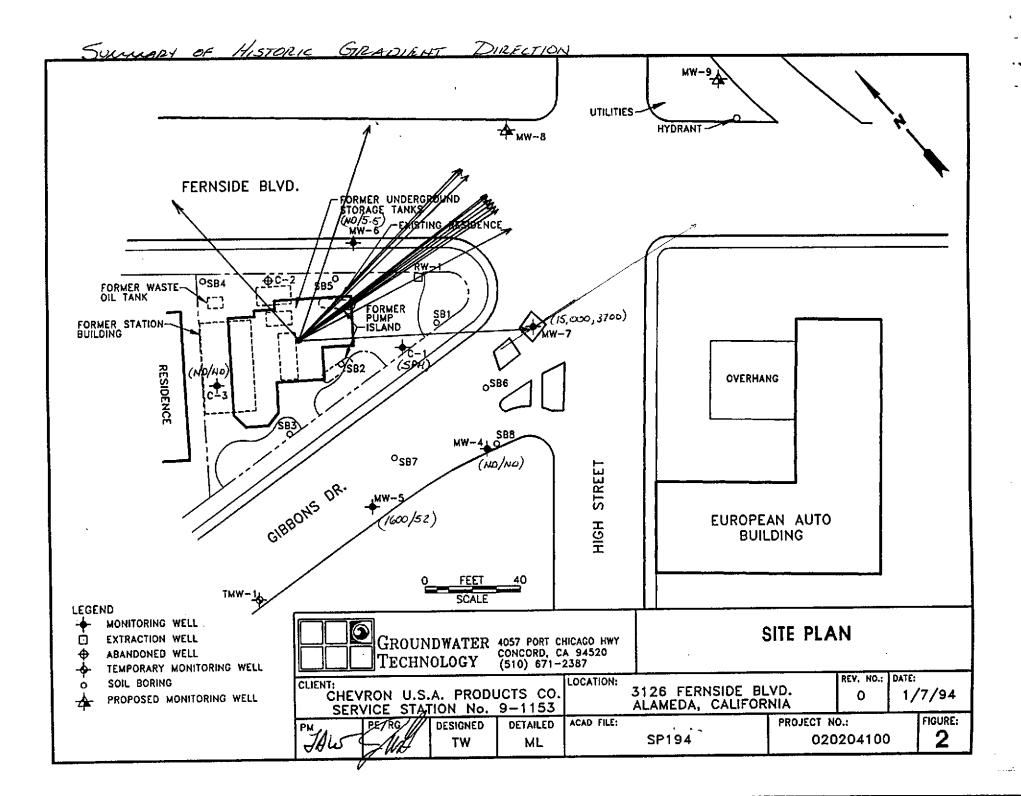
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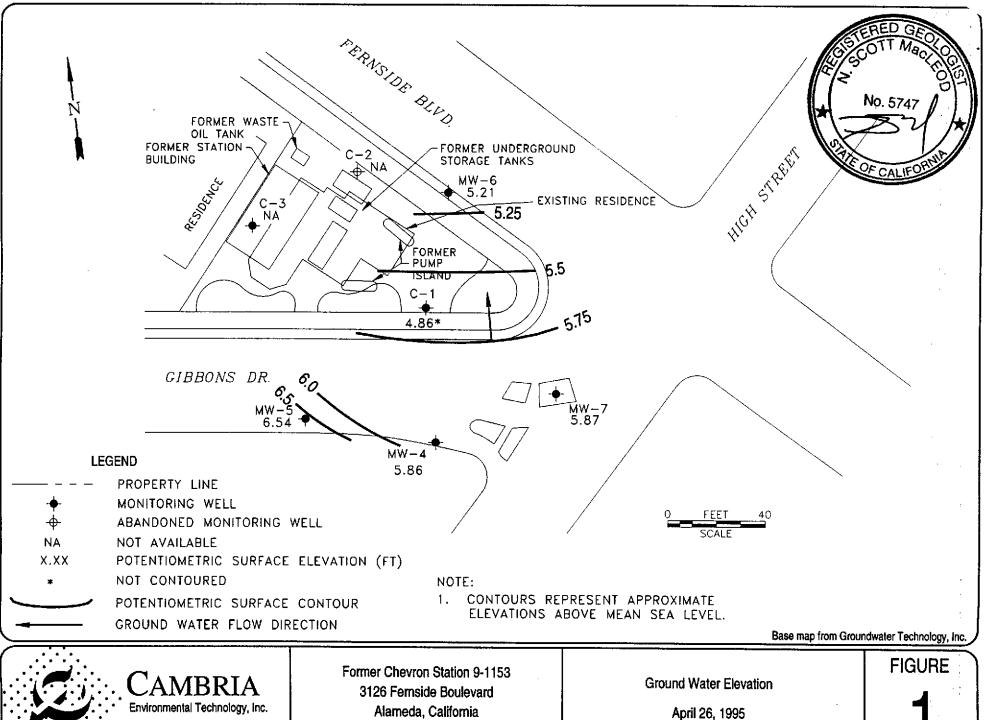
Ms. B.C. Owen

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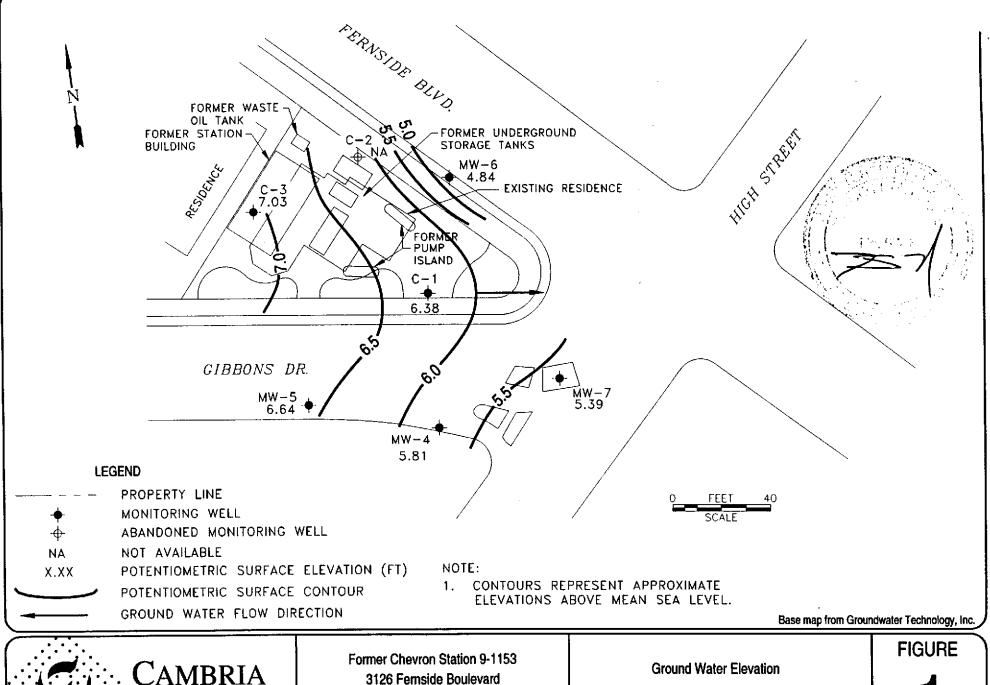
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Mr. Larry Bolton State Farm Insurance 2509 Santa Clara Avenue Alameda, CA 94501





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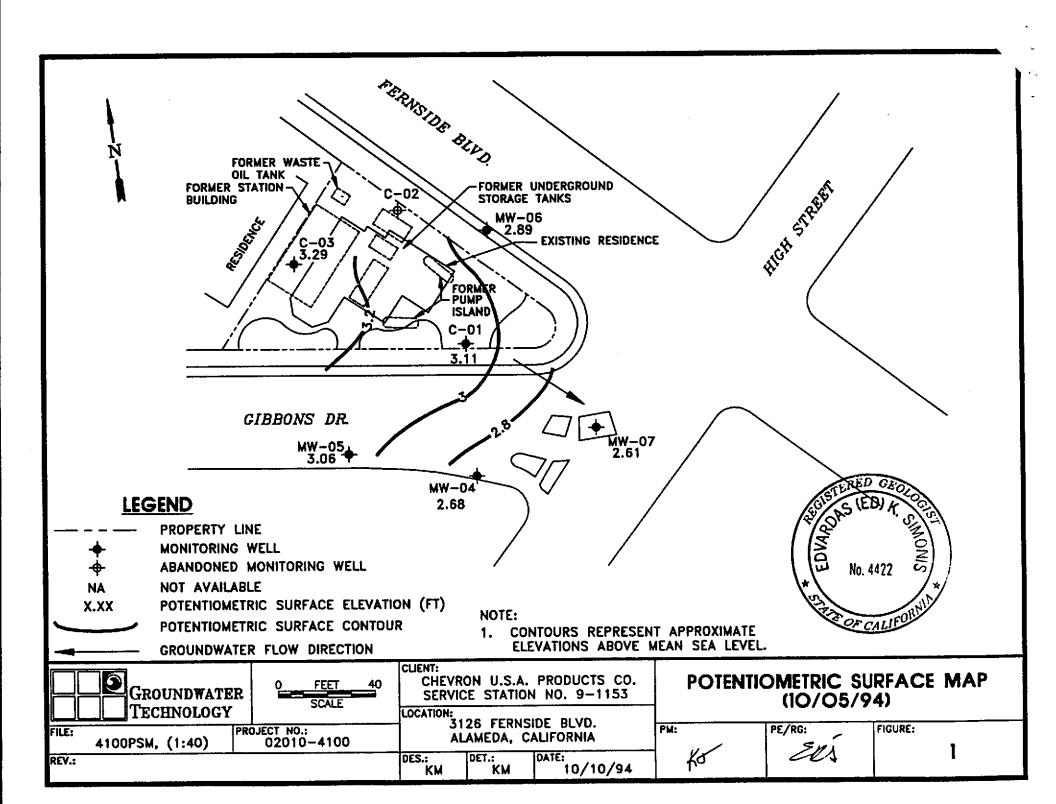


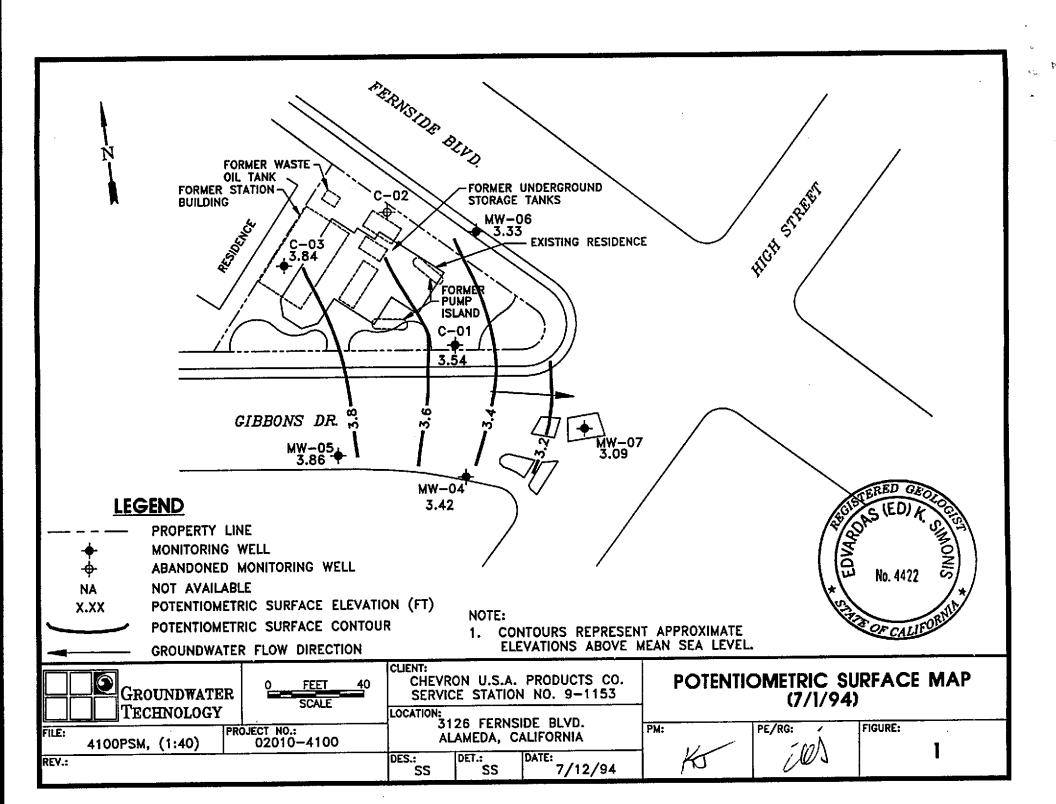
Environmental Technology, Inc.

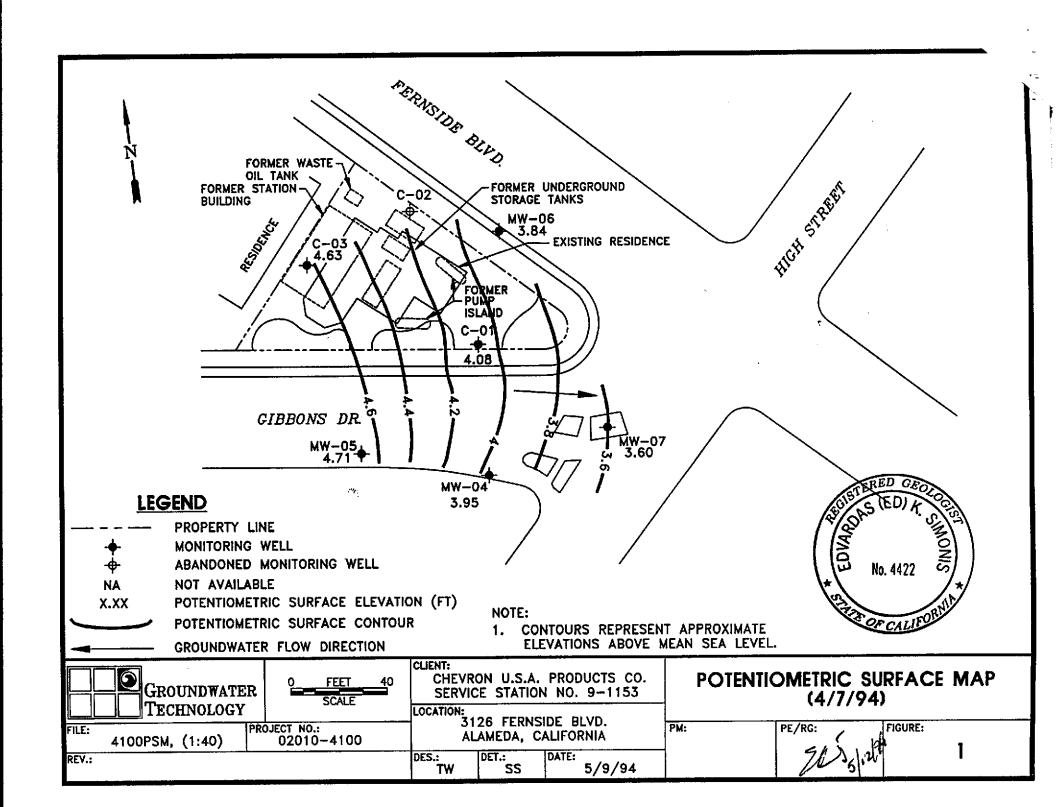
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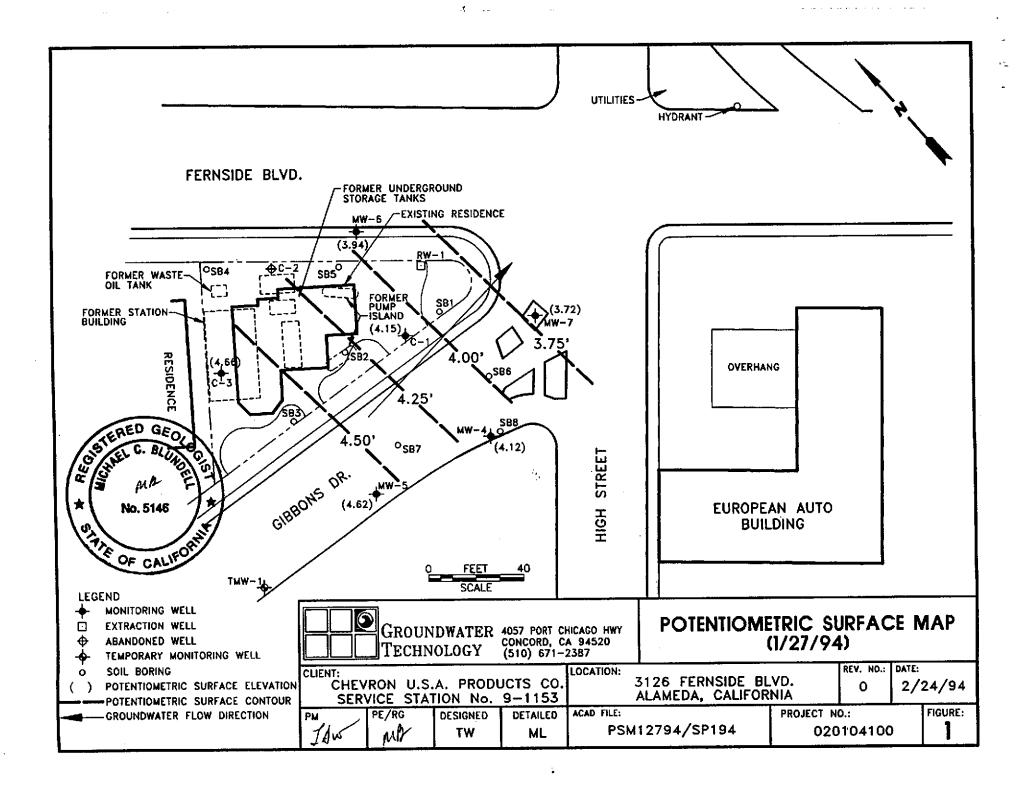
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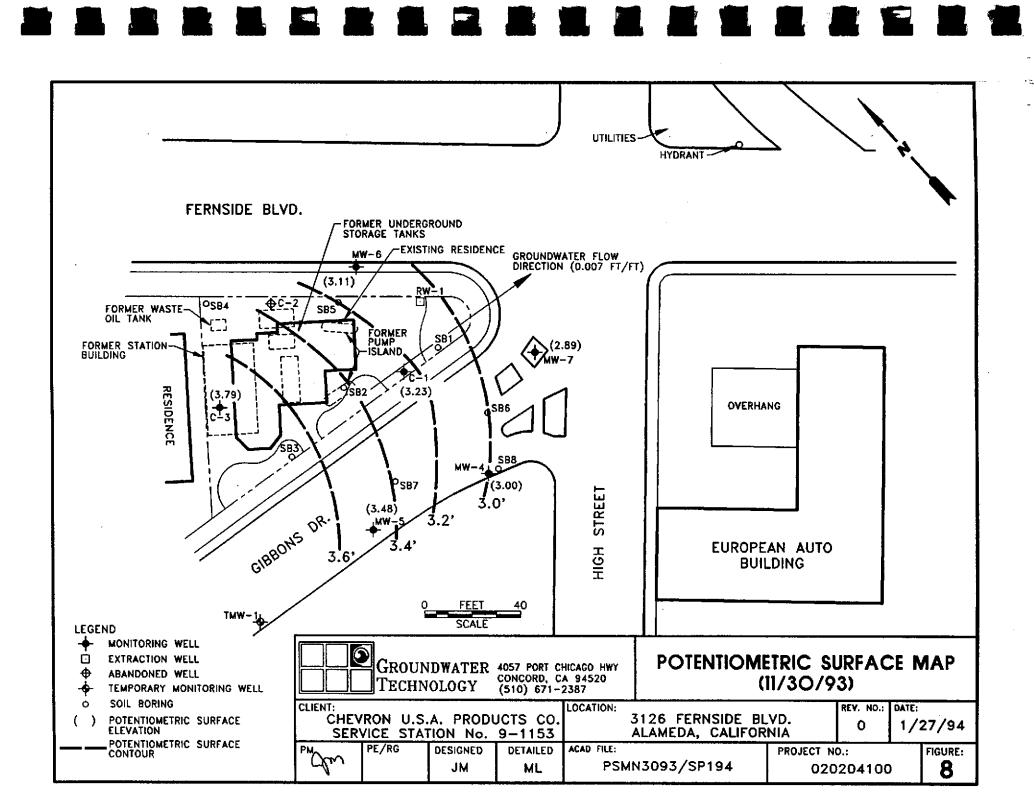
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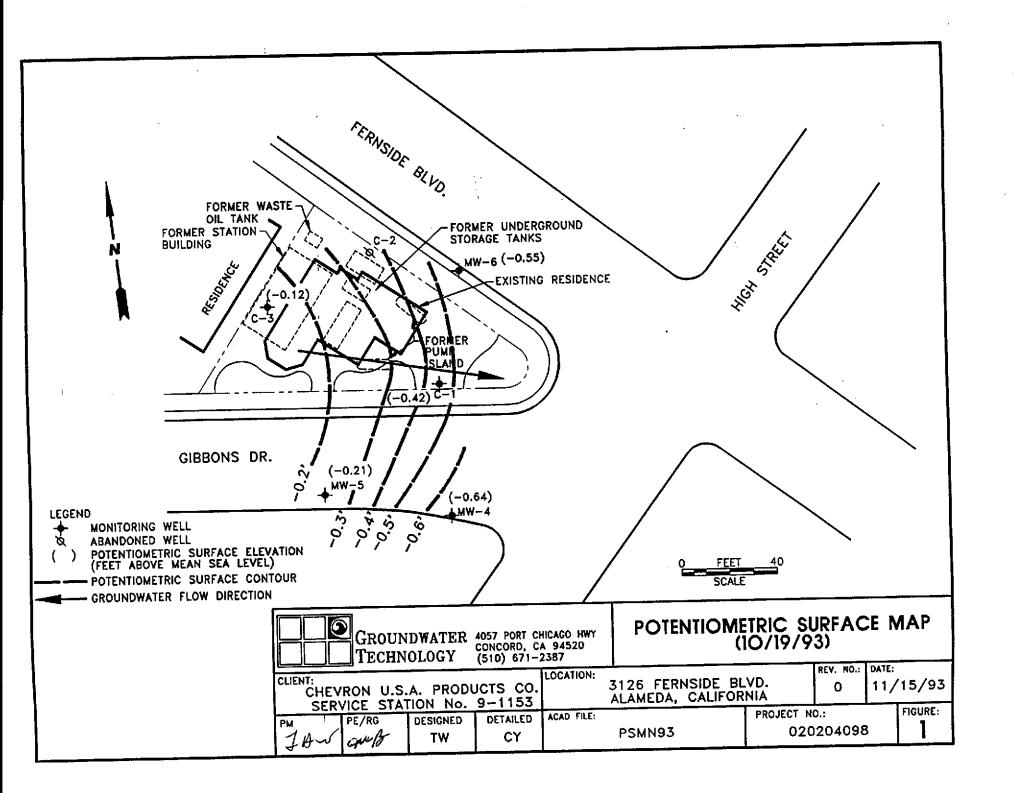


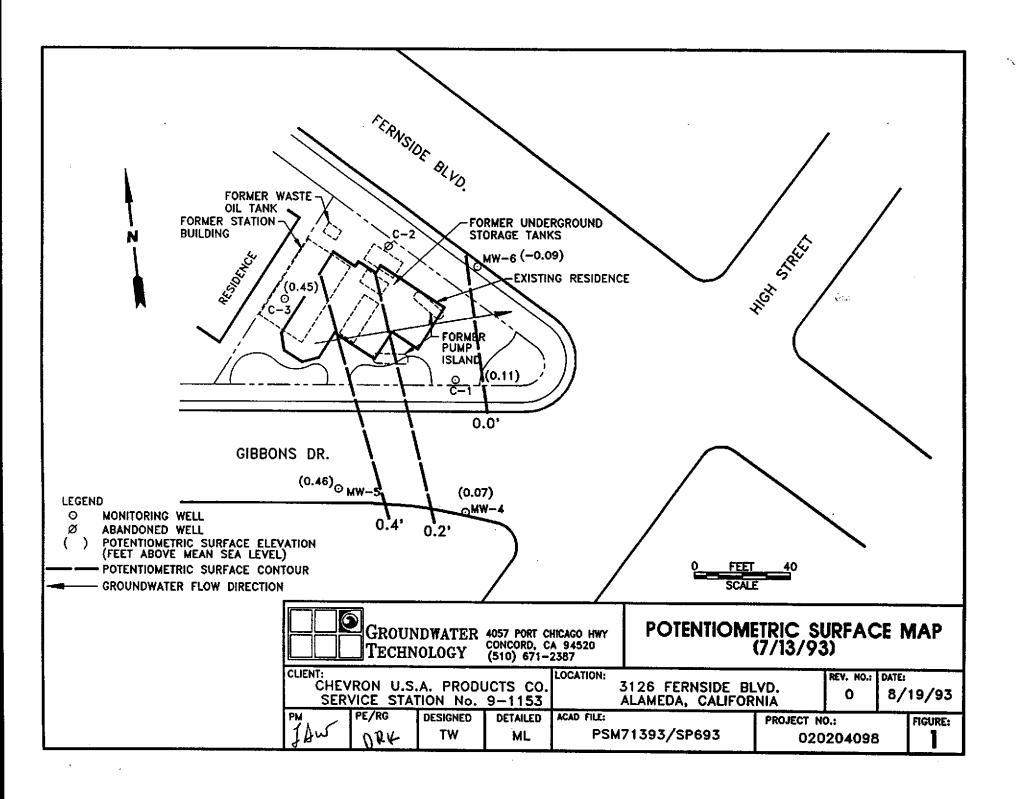


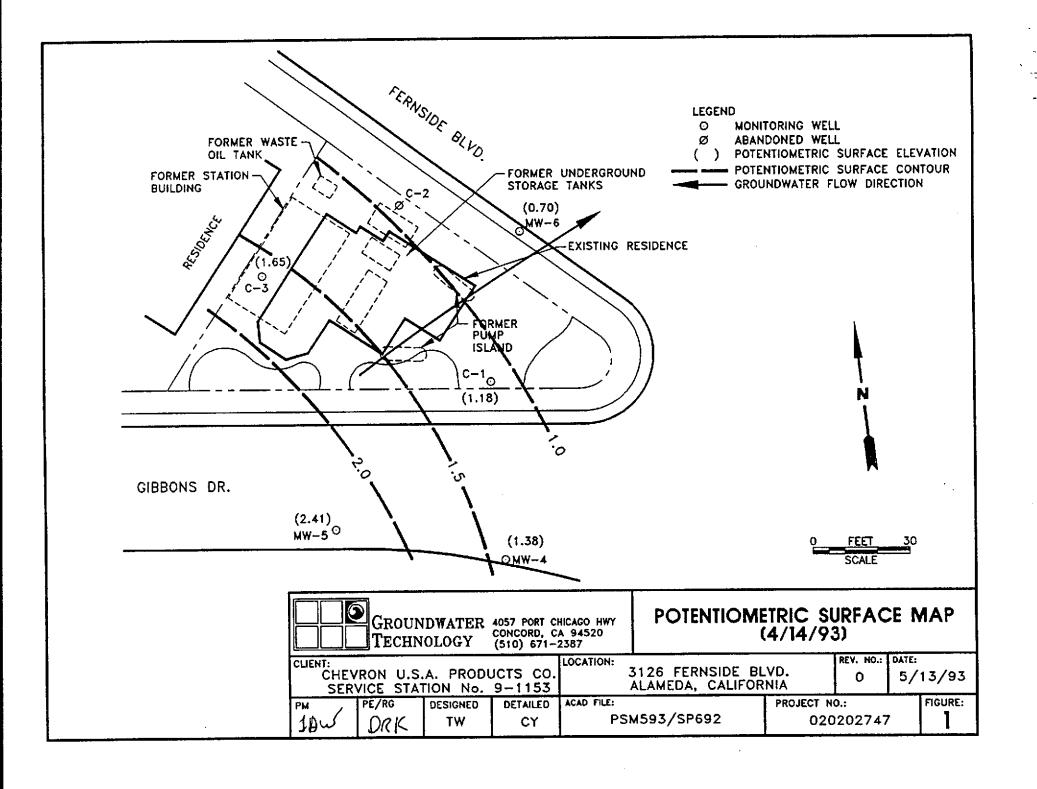


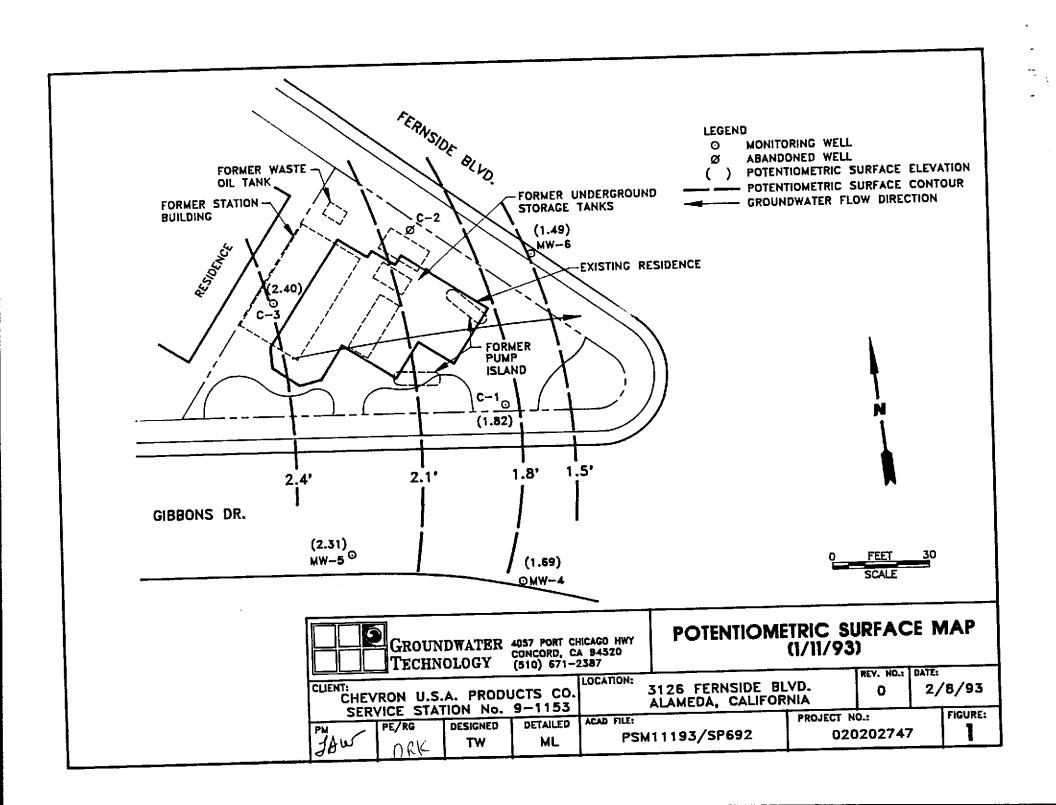


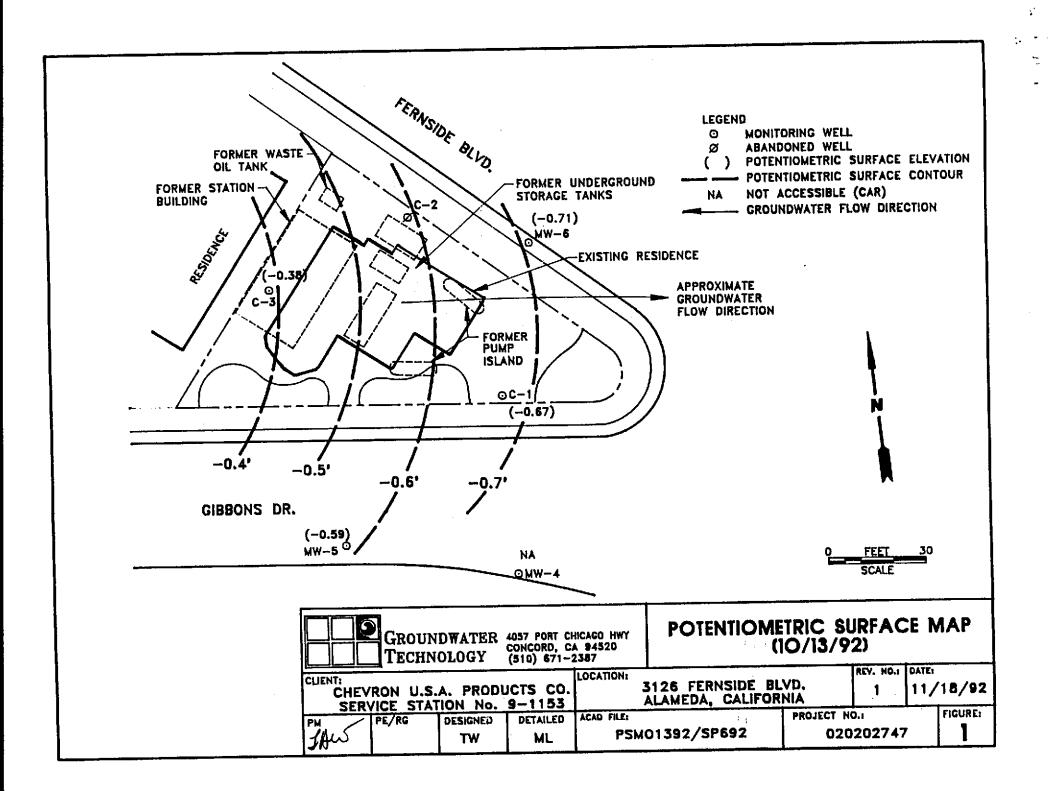


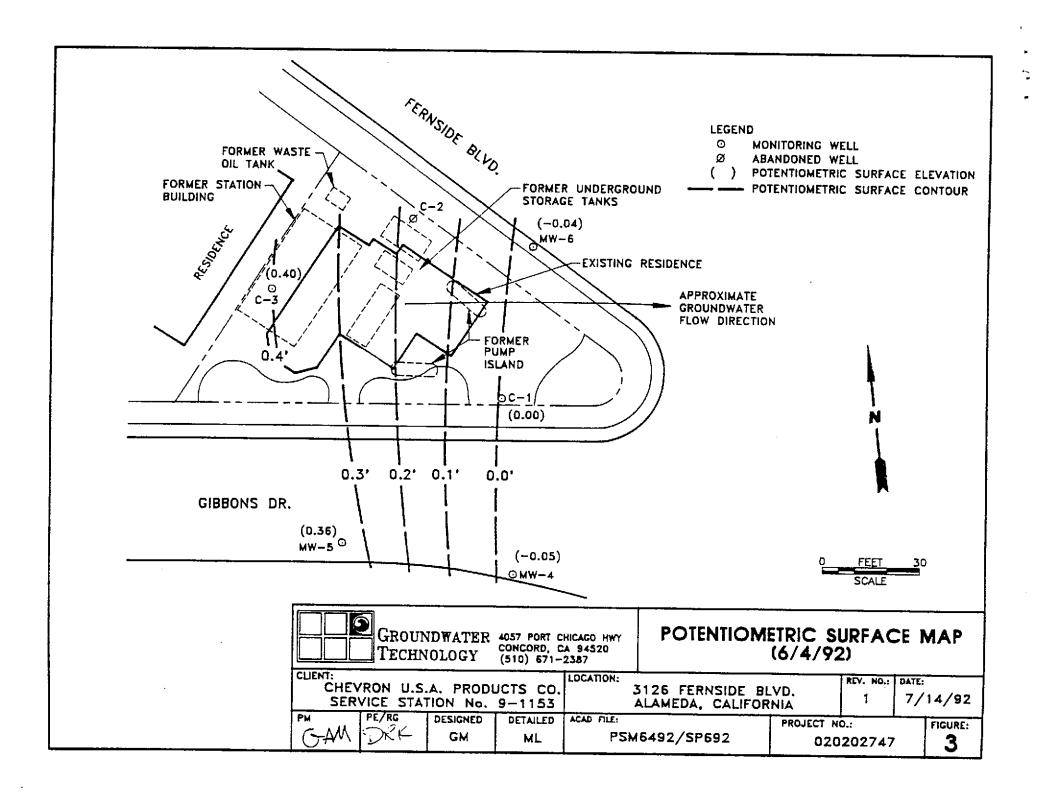












Chevron U.S.A. Products Company

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500 Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

April 23, 1993

Ms. Juliet Shin Alameda County Health Care Services Department of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Re: Former Chevron Service Station #9-1153 3126 Fernside Boulevard, Alameda, CA

Dear Ms. Shin:

Enclosed is the Offsite Ground Water Sampling Report dated April 1, 1993, prepared by our consultant Weiss Associates for the above referenced site. Ground water samples were collected by drilling three 2-inch diameter borings to approximately 7.5 feet below grade at three off-site locations designated BH-A, BH-B, and BH-C. Ground water was encountered at approximately 2 feet below grade. This work was performed to evaluate ground water quality down and cross gradient of the existing ground water extraction trench.

Samples collected from the boreholes were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Laboratory analyses indicate concentrations of dissolved hydrocarbons measured in ground water samples collected from BH-A and BH-B were low to non-detect. A ground water sample collected from BH-C contained 190,000 ppb TPH-G, and 3,200 ppm benzene.

Analytical results indicate that the majority of the dissolved hydrocarbon plume is located slightly south of the site, somewhat cross-gradient to the extraction trench. However, monitor well MW-4 located further cross-gradient in this same direction has historically reported low to non-detectable concentrations of dissolved hydrocarbons indicating that the dissolved hydrocarbon plume is limited in extent in this direction.

In your letter dated February 19, 1993, you approved the above scope of work on the condition that these borings and ground water samples be used as a screening tool for placement of permanent wells. Originally, the wells were intended for evaluating the performance of the ground water extraction system only. However, the gathered data will also be useful in selecting permanent monitor well locations. A file search was performed for the European Auto Repair located at 1928 High Street, adjacent and down gradient to the Chevron site to review the site history. Records on file with the Alameda Fire Department indicate that on June 23, 1987, three underground storage tanks were removed from that site. Only soil samples were taken at this time and analytical results reported TPH-G concentrations below the method detection limit and xylenes and toluene up to 0.092 ppm and 0.013 ppm, respectively. It appears that no ground water sampling was performed in association with the tank removal. Any information Alameda County Health Care Services may be able to provide in regards to this site would greatly assist in determining monitor well locations.

It appears that the ground water extraction system is successful in removing hydrocarbon impacted

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ground water. Operational records indicate that the system has removed approximately 70,000 gallons of ground water to date. Laboratory analyses on ground water collected from Boring BH-B report low to non-detectable concentrations of hydrocarbons immediately downgradient of the extraction system. Additional assessment will be necessary not only to define the hydrocarbon plume, but to evaluate system performance and determine if modifications to the treatment system are warranted.

Following the next sampling event, Chevron will instruct its consultant to prepare a work plan for additional off-site investigation. You had originally requested that such a work plan be submitted within 60 days of completion of the above field work. Chevron respectfully requests that the date for submittal of this work plan be moved to sixty days from Chevron's receipt of the current data, or June 6, 1993.

If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,

CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller

Site Assessment and Remediation Engineer

Enclosure

cc:

Mr. Eddy So, RWQCB - Bay Area Ms. B.C. Owen File (9-1153 SA1R)

Mr. Larry Bolten State Farm Insurance 2509 Santa Clara Avenue Alameda, CA 94501 ∑AY 5 '93 J.M.M.

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621

(510) 271-4530

April 28, 1993

Mr. Mark Miller Chevron U.S.A. Products Co. P.O. Box 5004 San Ramon, CA 94583-0804

STID 3565

Re: Investigations at 3126 Fernside Rlvd., Alameda, California

Dear Mr. Miller,

Per your request, this office is granting you an extension of the due date for a work plan for the above site to June 6, 1993. Additionally, you requested that this office search our records for any tank removal information on 1928 High Street in Alameda. This office has no information on the tank removals at this site.

If you have any additional questions or comments, please contact me at (510) 271-4530.

Sincerely

Juliet Shin

Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Tom Berry Weiss Associates 5500 Shellmound St. Emeryville, CA 94608-2411

Edgar Howell-File(JS)