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TRANSMITTAL

TO: Mr. John Jang
RWQCB, San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

DATE: ~~January 26, 1993~~
PROJECT NUMBER: 69034.10
SUBJECT: ARCO Station 601, 712
Lewelling Blvd., San Leandro, California.

FROM: Joel Coffman
TITLE: Project Manager

WE ARE SENDING YOU:

COPIES	DATED	NO.	DESCRIPTION
1	1/25/93	69034.10	Request for approval to install one offsite groundwater monitoring well near the above subject site.

THESE ARE TRANSMITTED as checked below:

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REMARKS: cc: Mr. Michael Whelan, ARCO Products Company
Mr. Scott Seery, Alameda County Health Care Services Agency
Mr. John Meck, ARCO Legal Department
Mr. Chris Winsor, ARCO Products Company
Mr. Lester Feldman, RWQCB, San Francisco Bay Region

Copies: 1 to RESNA project file no. 69034.10

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January 25, 1993
69034.10

Mr. John Jang
Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94621

Subject: Request for approval to install one offsite groundwater monitoring well near ARCO Station 601, 712 Lewelling Boulevard, San Leandro, California.

Mr. Jang:

On behalf of ARCO Products Company (ARCO), RESNA Industries Inc. (RESNA) has written this letter requesting Regional Water Quality Control Board (RWQCB) approval of the proposed location of groundwater monitoring well, MW-15, as shown on Plate A, Generalized Site Plan, to be installed to further investigate hydrocarbon impact to soil and first encountered groundwater near and approximately downgradient from the above referenced site. Addendum Three to Work Plan for Additional Subsurface Investigation (RESNA, March 16, 1992) was previously submitted to the RWQCB and the Alameda County Health Care Services Agency (ACHCSA) and approved. Included in the proposed work in Addendum Three to Work Plan was drilling of two offsite soil borings (B-14 and B-15) and installation of two offsite groundwater monitoring wells (MW-9 and MW-10) on the property located at 724 Lewelling Boulevard, San Leandro, California. This property is currently occupied by the Chateau Manor Apartments complex and is owned by Mr. John Sullivan. However, the proposed borings/wells (B-14/MW-9 and B-15/MW-10) were not, and to date, have not been drilled and installed due to denial of access to the property by the owner, Mr. Sullivan.

ARCO did secure access from a different property owner (Dr. Sherrill) and on August 7, 1992, one offsite soil boring (B-19) was drilled to the south of the subject site, in the approximate downgradient direction from the eastern portion of the ARCO site, and completed as groundwater monitoring well MW-14. On November 9, 1992, one offsite soil boring (B-18) was drilled across Washington Avenue to the east of the subject site in

ARCO Station 601
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the approximate upgradient direction, and completed as groundwater monitoring well MW-13. To date, offsite monitoring wells MW-13 and MW-14 have not contained detectable amounts of gasoline hydrocarbons in groundwater samples collected from the wells for analysis. In October 1992, nine (9) soil borings (B-23 through B-31) were drilled and sampled in the shoulder of Lewelling Boulevard along the eastern edge of the ARCO property to investigate gasoline hydrocarbons in soils in that area previously reported by Pacific Gas and Electric Company. The results of these additional environmental investigations at the site will be presented in forthcoming reports.

We have chosen the proposed location for well MW-15 along the street in front of the Chateau Manor Apartments (Sullivan Property) as an alternate location for previously proposed wells MW-9 and MW-10 and to satisfy the RWQCB and ACHCSA requests for wells downgradient from the ARCO site. Although the location chosen for monitoring well MW-15 is not exactly downgradient from the ARCO site, it is as close to being downgradient given the limitations posed by Mr. Sullivan's refusal to allow ARCO access to his property.

ARCO has explored other potential locations for monitoring wells directly downgradient from the site. As shown on Plate A, other possible locations for offsite monitoring wells directly downgradient from the ARCO site are not feasible due to the great distances (over 300 feet) from the property boundary of the ARCO site. Due to the very fine-grained nature of the shallow water-bearing units in this area, monitoring wells placed in excess of 300 feet from the ARCO site will not provide information which may be related to the gasoline hydrocarbons originating from the ARCO site. The property directly adjacent (Southwest) to the Sullivan property is a condominium community which, in addition to the distance from the ARCO site, space limitations and access problems will prohibit placement of monitoring wells on this property. Other possible locations for installation of offsite, downgradient monitoring wells are over 500 feet from the ARCO site.

As the formal Addendum Three to Work Plan was previously submitted and approved for the installation of the proposed wells (MW-9 and MW-10) at the Chateau Manor Apartments, ARCO requests that RWQCB approval of this letter be considered approval of the location for monitoring well MW-15. ARCO also requests that if groundwater samples collected from MW-15 do not contain detectable concentrations of gasoline constituents, that the RWQCB will consider ARCO's role of defining the extent of gasoline impact to groundwater complete. ARCO makes this request based upon the following: 1) no gasoline impact to groundwater in the vicinity of upgradient monitoring well MW-13, downgradient monitoring well MW-14 and proposed downgradient monitoring well MW-15; 2) the lack of gasoline impact to groundwater in the vicinity of

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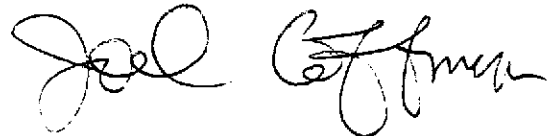
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the downgradient monitoring wells MW-14 and proposed MW-15 reflect the rapid attenuation of gasoline constituents in the very fine-grained shallow water-bearing units in this area; and, 3) ARCO has been unable to gain access to the Chateau Manor Apartment property for placement of offsite monitoring wells.

Should the RWQCB require a formal work plan, we will be pleased to submit one upon request.

If you have any comments or questions, please contact us at (408) 264-7723 or Mr. Michael Whelan of ARCO at (415) 571-2449. Thank you.

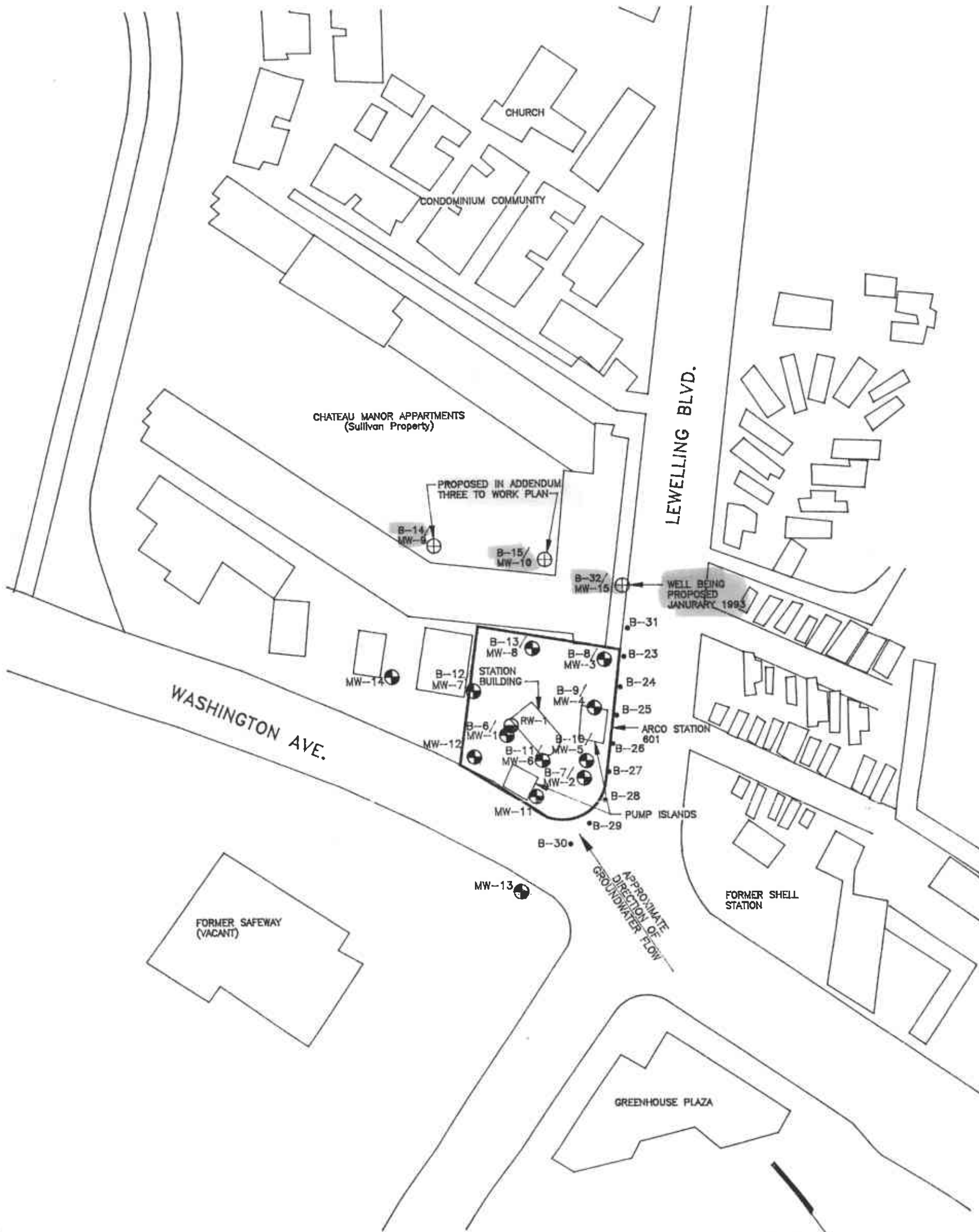
Sincerely,
RESNA Industries Inc.



Joel Coffman
Project Manager

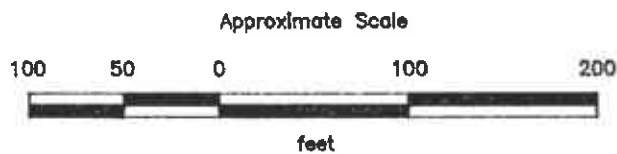
Attachment: Plate A, Generalized Site Plan

cc: Mr. Michael Whelan, ARCO Products Company
Mr. Scott Seery, Alameda County Health Care Services Agency
Mr. John Meck, ARCO Legal Dept.
Mr. Chris Winsor, ARCO Products Company
Mr. Lester Feldman, RWQCB



EXPLANATION

- B-32/
MW-15 ⊕ = Proposed well
- RW-1 ● = Product recovery well
(GeoStrategies, Jan.1990)
- B-13/
MW-14 ⊕ = Vapor extraction/ground-water monitoring well
(Applied GeoSystems, June 1990 and May 1991)
- B-31 ● = Soil boring
(Resna, October, 1992)



Source: Pacific Aerial and RESNA

RESNA
Working to Restore Nature

GENERALIZED SITE PLAN
ARCO Station 601
712 Lewelling Boulevard
San Leandro, California

PLATE

A

PROJECT 69034.10

69034-10