

July 23, 1992

Mr. Scott O. Seery
Senior Hazardous Materials Specialist
Hazardous Materials Division
Department of Environmental Health
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, California 94621

Reference: Addendum to the Quarterly Ground-Water Monitoring
Well Sampling at the Housing Authority of the City of
Alameda Site, at 1916 Webster Street, Alameda,
California; Versar Project No. 1457-022

Dear Mr. Seery:

The purpose of this letter is to amend the Quarterly Ground-Water Sampling Report, dated May 8, 1992, to include the proposed collection of additional soil and ground-water samples at 1916 Webster Street, Alameda, California, and respond to your letter of June 19, 1992. Figure 1, Attachment I, shows the site location. The information described herein is subject to Versar's standard disclaimer, included as Exhibit A.

Versar, Inc. (Versar) implemented field activities at the subject site in July 1991, in accordance with a site investigation work plan dated March 22, 1991, and following approval from Mr. Lowell Miller of your office (letter of July 2, 1991). Field activities at the site included the installation of a third ground-water monitoring well, a borehole at the northern extent of the previously excavated area, and the implementation of quarterly ground-water sampling. The findings of these initial field activities were documented in a report dated September 20, 1991. Subsequent ground-water monitoring was conducted on a quarterly basis, with the results being presented in reports dated January 27, 1992 and June 9, 1992. In the report of the initial field activities, it was recommended that additional soil sampling be conducted to delineate any additional soil impairment.

To implement this recommendation, and in association with the requirements of your letter of June 19, 1992, Versar proposes to conduct additional soil and ground water sampling at the site. Versar proposes to drill six soil borings in the potentially

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contaminated area of the site. Each borehole will be drilled into ground water (at approximately four feet below ground surface), to allow for the collection of a grab ground-water sample for possible laboratory analysis. A minimum of one soil sample will be collected from each borehole for field screening and possible laboratory analysis. All sample collection will be conducted in accordance with the protocol presented in Versar's March 22, 1991 site investigation work plan. The location of the proposed boreholes is shown in Figure 2, Attachment I. The actual borehole locations will be determined in the field based on field screening of samples and the presence of site utilities and structures.

Soil and ground-water samples will be collected from each boring and subjected to field screening. Based on the results of the field screening in association with field observations, samples will be selected and submitted for laboratory analysis. All samples submitted will be analyzed for total petroleum hydrocarbons as gasoline (TPH-G), and benzene, toluene, ethylbenzene, and xylenes (BTEX). In addition, one soil and one ground-water sample will be analyzed for total lead. All laboratory analyses will be conducted by a California DHS certified laboratory.

The results of this subsurface investigation will be incorporated into an upcoming quarterly ground-water monitoring report. In addition, monthly water level measurements will be collected and incorporated into the quarterly report.

As stated before, all field activities will be conducted in accordance with the previously submitted site investigation work plan. It is intended to implement this work within the next two weeks, and therefore your immediate approval of this investigational approach will be appreciated. If you have any questions, please do not hesitate to contact either myself or Mr. Michael Sellens, Versar's Project Manager at (916) 962-1612. Finally, the results of the third round of quarterly ground-water sampling was sent to your office on June 9, 1992, however your

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letter of June 19, 1992 did not reference this report. If you did not receive a copy of this report, please notify me, and I will arrange for a replacement copy to be supplied to you.

Sincerely,



James G. Jensen
Geohydrologist

cc: Mr. Thomas Matthews, Housing Authority of the City of Alameda
Mr. Jay Murphy, City of Alameda Bureau of Electricity

EXHIBIT A

DISCLAIMER

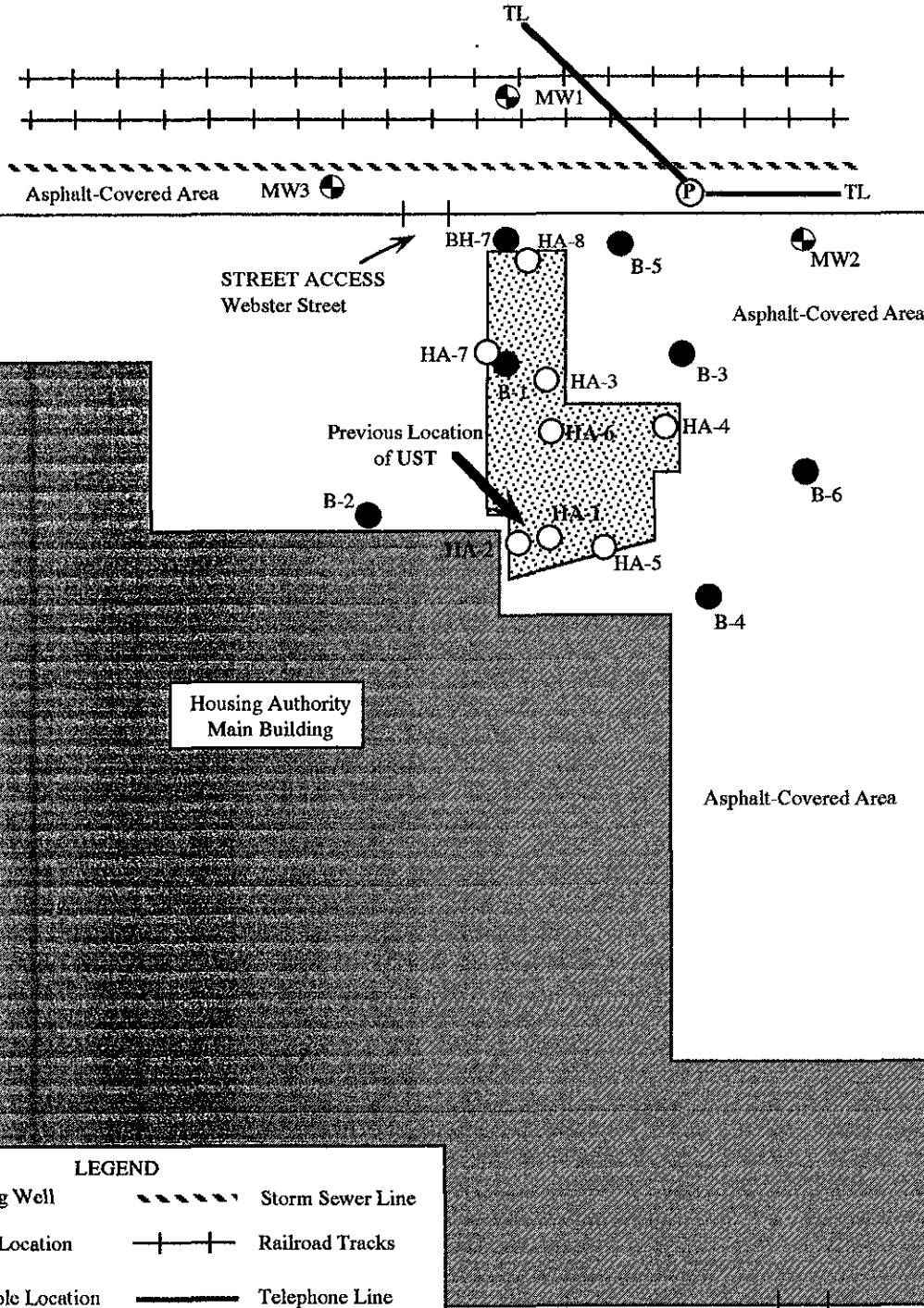
The purpose of this letter is only to inform the client of the environmental conditions as they currently exist at the subject site and the methodology to correct the identified environmental impairment. Versar, Inc. (Versar) does not assume responsibility for the discovery and elimination of hazards that could possibly cause accidents, injuries, or damage. Compliance with submitted recommendations and/or suggestions in no way assures elimination of hazards or the fulfillment of a client's obligation under any local, or federal laws or any modifications or changes thereto. In many cases, federal, or local codes require the prompt reporting to relevant authorities if a release occurs. It is the responsibility of the client to comply with requirements to notify authorities of any conditions that are in violation of the current legal standards.

Factual information regarding operations, conditions, and test data was obtained, in part, from the client and have been assumed by Versar to be correct and complete. Since the facts stated in this letter are subject to professional interpretation, they could result in differing conclusions. In addition, the findings and conclusions contained in this letter are based on various quantitative and qualitative factors as they existed on or near the date of the investigation. Therefore, if the recommendations made in this letter are not implemented within a reasonable period of time, there can be no assurances that intervening factors will not arise that will affect the conclusions reached herein.

Versar has prepared this letter at the request of its client. Versar is responsible for the accuracy of the letter's contents, subject to what is stated elsewhere in this Disclaimer, but recommends the letter be used only for the purposes intended by the client and Versar when the letter was prepared. Versar makes no warranty and assumes no liability with respect to the use of information contained in this letter. The letter may be unsuitable for other uses, and Versar assumes no liability for such uses. No changes to its form or content may be made without Versar's express written approval.

This letter reflects conditions, operations, and practices as observed during the investigation. Changes or modifications to procedures and/or facilities made after the site visit are not included.

ATTACHMENT I

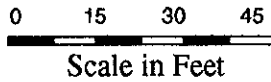


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LEGEND

- Monitoring Well
- Borehole Location
- Soil Sample Location
- Excavated Area
- Storm Sewer Line
- Railroad Tracks
- Telephone Line
- Telephone Pole



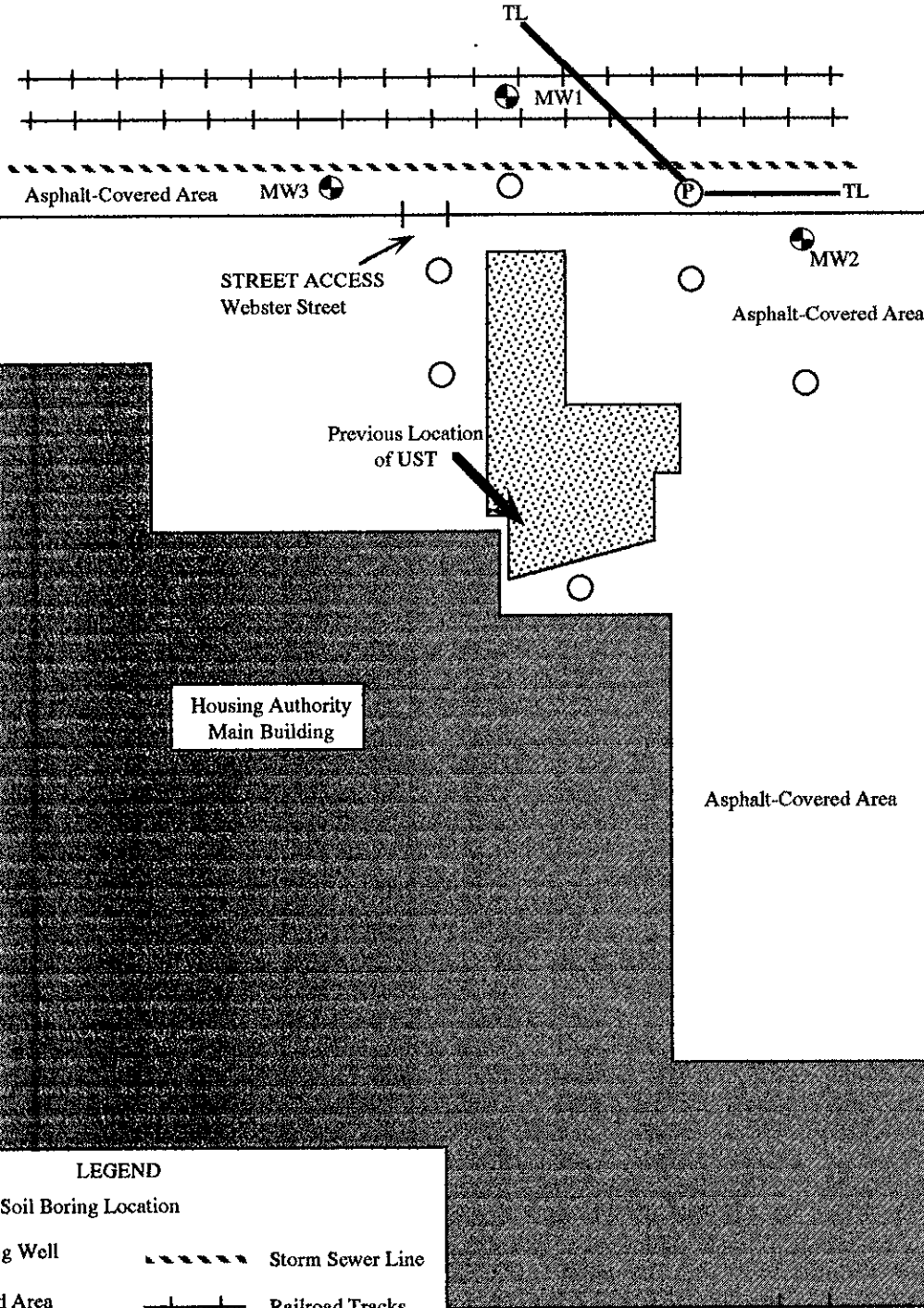
Site Layout Map

Housing Authority of the City of Alameda
Alameda, California

Figure 1

Versar Inc.

Project No. 7703.022



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Housing Authority
Main Building

STREET ACCESS
Webster Street

Previous Location
of UST

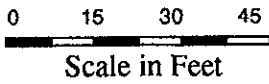
Asphalt-Covered Area

Asphalt-Covered Area

LEGEND

- Proposed Soil Boring Location
- Monitoring Well
- ▨ Excavated Area
- Ⓟ Telephone Pole
- ▬ Storm Sewer Line
- +—+— Railroad Tracks
- Telephone Line

STREET ACCESS
8th Street



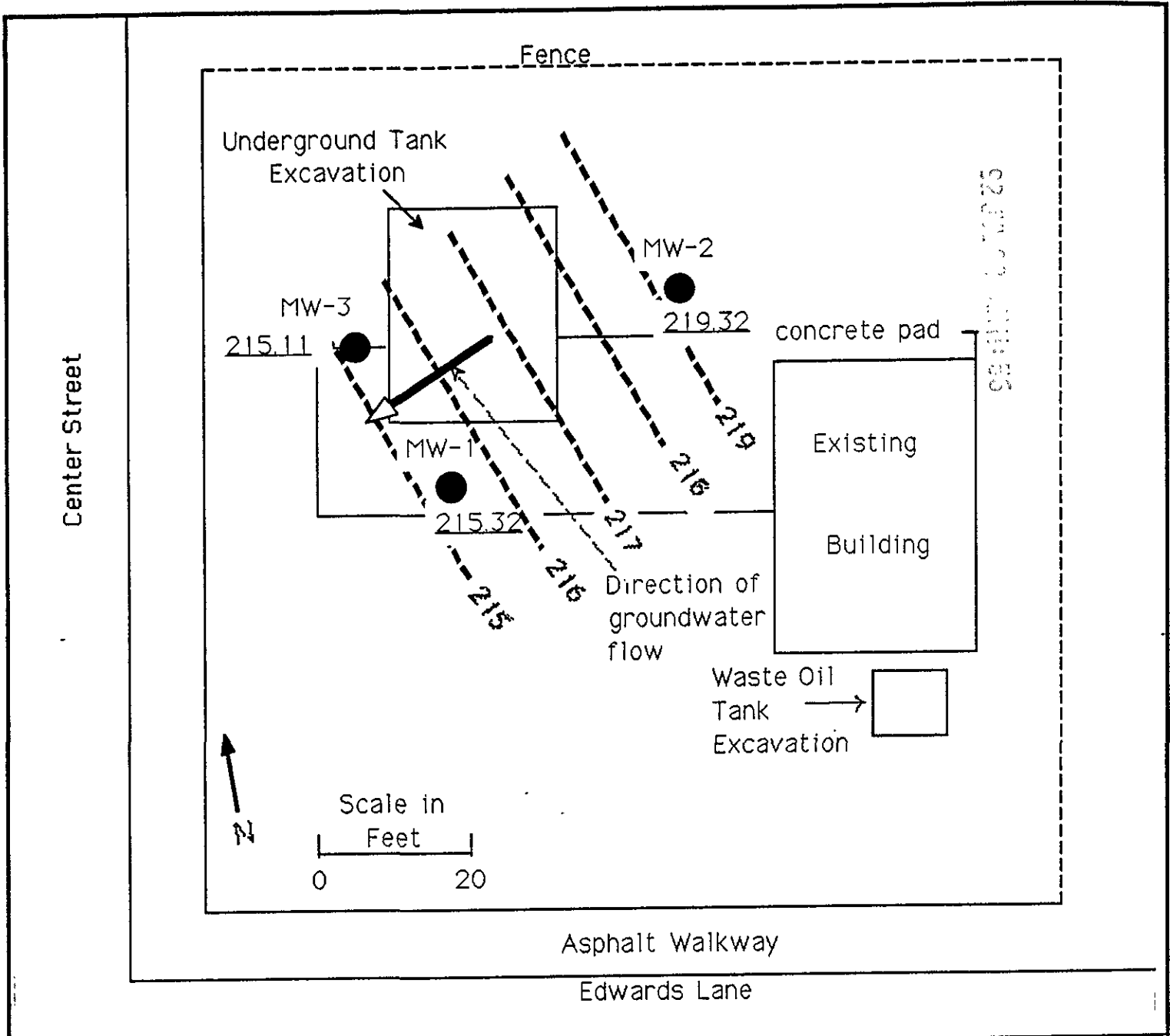
Locations for Proposed Soil Borings

Figure 2

Housing Authority of the City of Alameda
Alameda, California

Versar Inc.

Project No. 7703.022



LEGEND



MW-1 Name and location of Groundwater Monitoring Well



219 Potentiometric Contour (2/26/92)

215.32

Potentiometric Elevation (Feet-MSL)

ACC Environmental Consultants
 1000 Atlantic Avenue, Suite 110
 Alameda, CA 94501

Job No.: 6032-1

GROUNDWATER GRADIENT

Date: *2/26/92*

Figure No.: 2