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ENVIRONMENTAL PROTECTION

97 JUL 29 PM 2:50

July 22, 1997

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: **Response to ACHCSA Correspondence dated July 17, 1997**
Former Shell Service Station
15275 Washington Avenue
San Leandro, California
WIC #204-6852-1108

Dear Mr. Seery:

Enviros, Inc. (Enviros) has prepared this document on behalf of Shell Oil Products Company in response to the Alameda County Health Care Services Agency's (ACHCSA) review of Shell's Risk Based Corrective Action Evaluation and Corrective Action Plan

Soil Vapor Extraction Test

The proposed soil vapor extraction (SVE) test was approved in the ACHCSA correspondence. This test will be performed during the week of July 28, 1997.

A report documenting the results of this test, along with any modifications to the remedial approach or extraction well configuration proposed in the Corrective Action Plan will be submitted to ACHCSA for final approval prior to implementation.

Additional Assessment

Additional assessment activities were requested in the vicinity of Borings SG-5 and SG-9, and Well S-16 due to concentrations of benzene in soil samples and soil vapor samples exceeding RBCA site specific target levels (SSTLs).

The following activities are proposed to delineate the extent of benzene in soil and soil vapor exceeding SSTLs. Lithology will be evaluated during these activities to evaluate whether permeable fill layers observed at other locations across the site are present in these areas.

Task 1 Permits

Appropriate permits for drilling will be obtained from the Alameda County Public Works Department.

Enviros, Inc. 270 Perkins Street P.O. Box 259 Sonoma, California 95476-0259 Tel 707 / 935-4850 Fax 707 / 935-6649

Task 2 Health and Safety Plan

A site-specific Health and Safety Plan will be prepared for field work.

Task 3 Utility Clearance

Proposed drilling locations will be marked and their locations cleared through Underground Services Alert (USA) prior to drilling.

Task 4 Site Investigation

Three soil borings are proposed in the locations shown on the attached Plate 1. These borings will be drilled using Geoprobe drilling techniques. Soil samples and soil vapor samples will be collected from each boring at a depth of four feet below grade (fbg). To the extent feasible, drilling and sample collection methods will follow procedures used in the vadose zone characterization performed by Weiss Associates (WA).

An Enviros geologist will supervise the drilling and describe encountered soils using the Unified Soil Classification System (USCS).

Task 5 Chemical Analysis

Soil samples will be analyzed for Total Purgeable Petroleum Hydrocarbons (TPPH) according to EPA Method 8015 (modified) and benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) compounds according to EPA Method 8020.

Soil vapor samples will be analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G), BTEX, and MTBE compounds.

Task 6 Report Preparation

Results of the additional assessment will be presented in a report along with results of the soil vapor extraction test. If additional SVE wells or other remediation is warranted based on the results of the SVE test or the additional assessment, it will be proposed in this report for final approval of proposed corrective action.

The scope of work described in this work plan will be performed under the supervision of a registered professional engineer.

If you have any questions regarding the contents of this document, please call.

Sincerely,

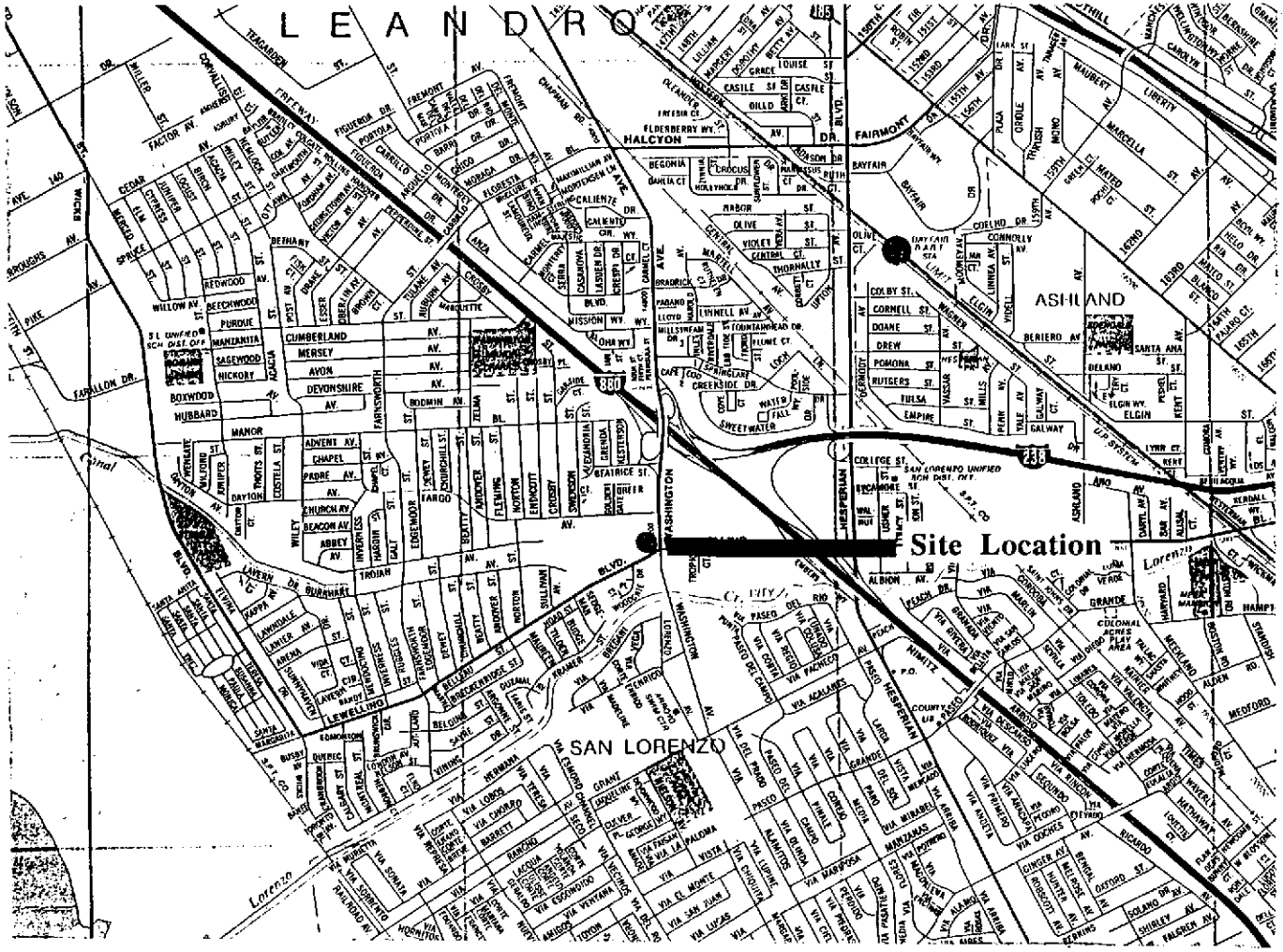
Enviros, Inc.

Diane M. Lundquist, P.E.
Senior Engineer
C46725

Attachments

Plate 1: Vicinity Map
Plate 2: Proposed Soil Borings/Soil Vapor Sample Points

cc: Mr. Brad Boschetto, Shell Oil Products Company
Mr. Erik Hansen, Shell Oil Products Company
Mr. Scott Seery, Alameda County Health Care Services, Environmental Protection Division
Mr. Kevin Graves, Regional Water Quality Control Board, San Francisco Bay Region
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. John Verber, Larson and Burnham
Mr. Jonathan W. Redding, Fitzgerald, Abbott, and Beardsley
Mr. Richard P. Waxman, Wendell, Rosen, Black, and Dean



Note: Vicinity Map taken from California State Automobile Association Map.

PLATE

1

SITE VICINITY MAP
Shell Oil Company
15275 Washington Avenue
San Leandro, California

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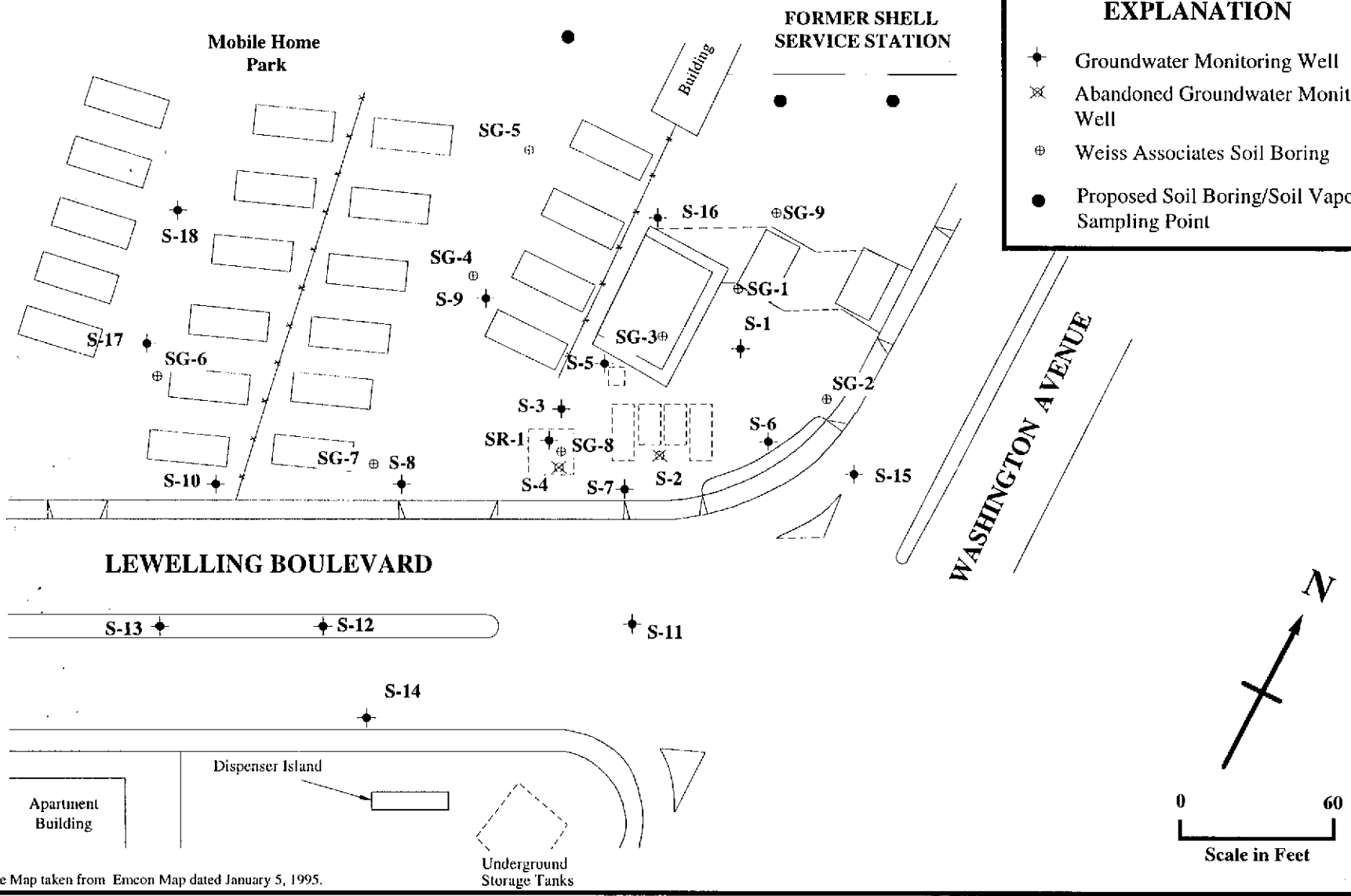
95276.01

Drawn By: JLP Date: 3-23-95

Approved By: [signature] Date: 7-27-95



EXPLANATION

- Groundwater Monitoring Well
- Abandoned Groundwater Monitoring Well
- Weiss Associates Soil Boring
- Proposed Soil Boring/Soil Vapor Sampling Point

Base Map taken from Emcon Map dated January 5, 1995.

PLATE **2**

PROPOSED SOIL BORINGS/SOIL VAPOR SAMPLE POINTS
Shell Oil Products Company
15275 Washington Avenue
San Leandro, California

enviros®
95276.01

Drawn By: DML Date: 7-22--97

Approved By: _____ Date: 7-22-97