R0480

ALCO HAZMAT
94 NOV -9 AM 8:04

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
4057 Port Chicago Highway, Concord, CA 94520 USA
Tel: (510) 671-2387 Fax: (510) 685-9148

November 4, 1994

Mr. Thomas Peacock
Alameda County Health Care Services Agency
80 Swan Way, Room 200
Oakland, California 94621

Subject: Addendum to *Work Plan for Additional Soil and Groundwater Assessment*
Former Sears Automotive Center, Facility No. 1058
2633 Telegraph Avenue
Oakland, California
GTI Project 02020 4554

Dear Mr. Peacock:

Groundwater Technology, Inc. submits this letter as an addendum to the *Work Plan for Additional Soil and Groundwater Assessment* dated June 8, 1994 for the former Sears automotive center located at 2633 Telegraph Avenue in Oakland, California. The original scope of work detailed in the June 8, 1994 Work Plan has been modified to provide more accurate delineation of the dissolved hydrocarbon plume prior to installing permanent groundwater monitoring wells. The changes to the original scope of work are summarized below.

The changes to the scope of work are related to the decision to delay the installation of permanent groundwater monitoring wells in the City of Oakland public right-of-way until further downgradient soil and groundwater quality data is obtained. The objectives of groundwater monitoring well installation are to define the downgradient boundary of the dissolved hydrocarbon plume, therefore it is imperative that permanent wells be placed in locations that serve this purpose. In addition, properly located downgradient wells will decrease costs associated with repeated City of Oakland encroachment permitting required for permanent groundwater monitoring wells.

To facilitate the proper location of the downgradient groundwater monitoring wells, Groundwater Technology will supervise the installation of a minimum of three soil borings (2.5-inch diameter, approximately 10 feet deep) at the locations shown on Figure 1 using the Enviro-Core™ hydraulic sampling device. Soil samples will be collected continuously using a 3-foot long core barrel lined with 1.5-inch by 6-inches long stainless steel sampling tubes. Grab samples of groundwater will be collected using a small diameter teflon bailer lowered into 1-inch diameter PVC screen and casing placed in the borehole for sampling purposes. Two soil samples and the grab groundwater sample from each boring location will be analyzed on-site by

a mobile laboratory for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons-as-gasoline (TPH-G) by EPA methods 5030/8020/8015 modified.

The results of the on-site laboratory analyses will be used to determine if further borings are required to define the downgradient boundary of hydrocarbon-impacted material. If the results from the initial three borings show significant hydrocarbon concentration, the westernmost and southernmost boring locations shown on Figure 1 will be sampled and analyzed as above for further definition of the downgradient boundary of hydrocarbon-impacted material. Upon completion of sampling the boreholes will be backfilled with a cement bentonite grout. The grout will be pumped through a 1-inch diameter grouting tube placed at the bottom of the borehole.

Drilling permits will be obtained from Zone 7 Water Agency and excavation permits required for drilling in the City of Oakland public right-of-way will be obtained. No encroachment permit will be required for the revised scope of work. The equipment decontamination and material containment procedures will be the same for the revised scope of work, however the volume of material associated with the 2.5-inch diameter boreholes will be much smaller. Permanent downgradient monitoring wells will be installed following analysis of the data collected during this soil boring program.

Groundwater Technology is prepared to proceed with the scope of work presented in this work plan addendum following your approval. Please contact either me in our Concord, California, office at (510) 671-2387 or Bernadine Palka of Sears, Roebuck and Co. at (708) 286-8864.

Sincerely,
Groundwater Technology, Inc.

Michael J. Wray
Project Manager

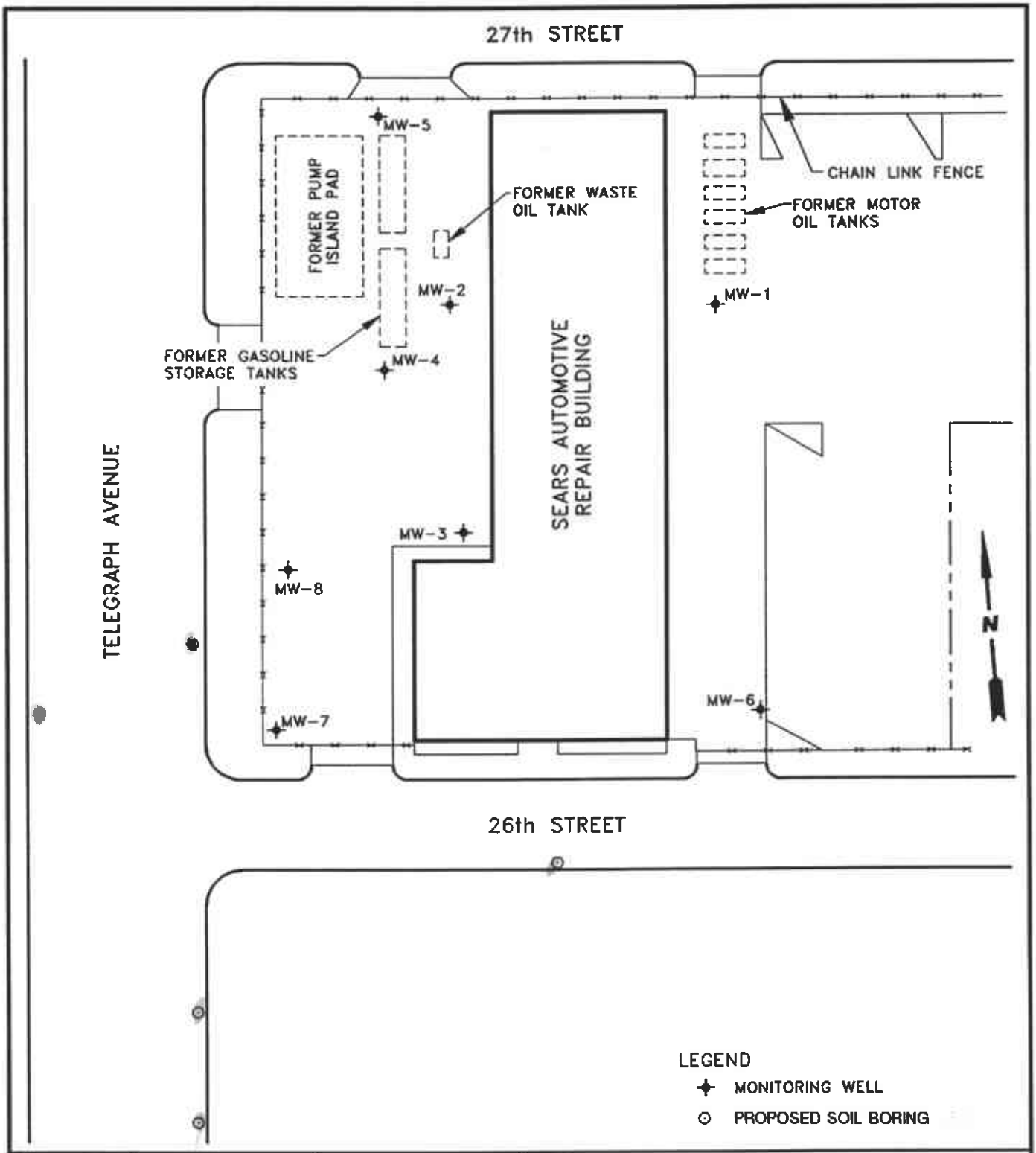
Jason Fedota

E.K. Simonis, R.G.
Senior Geologist

Attachment

c: Ms. Bernadine Palka, Sears, Roebuck and Co.

SRS/OK110494.LTR



GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

SITE PLAN

CLIENT: SEARS, ROEBUCK AND CO. SITE No. 1058	FILE: PBORLOC/SP594	PROJECT NO: 020204554	PM	RG/PE	
LOCATION: 2633 TELEGRAPH AVENUE OAKLAND, CALIFORNIA	REV: 2		FIGURE: 2		
	DES: EW	DET: CY	DATE: 10/4/94		