

18 October 1988
Project 1382A

Mr. Andrew Getz
Getz Construction Company
1351 Ocean Avenue
Emeryville, California 94608

Subject: Proposed Scope of Work
Monitoring Well Installation and Testing
Former Underground Diesel Storage Tank Vicinity
1351 Ocean Avenue
Emeryville, California

Dear Mr. Getz:

As you requested at our meeting on 4 October 1988, Geomatrix Consultants, Inc. (Geomatrix) is pleased to submit this proposed scope of work for the installation and sampling of one shallow groundwater monitoring well at the subject site. The proposed scope is designed to satisfy the requirements outlined by Mr. Dennis Byrne of the Alameda County Department of Environmental Health (ACDEH) during a site visit on 3 October 1988. Specifically, Mr. Byrne verbally requested the installation of one monitoring well downgradient of the former underground diesel tank excavation at the subject site. The purpose of the well is to assess onsite shallow groundwater for the possible presence of diesel fuel.

Scope of Work. The proposed monitoring well installation is designed to assess the possible presence of diesel fuel in a specific zone of the onsite shallow groundwater. Accordingly, Geomatrix proposes the following four tasks:

- Task 1: Well Installation and Development - The proposed monitoring well will be installed at the approximate location shown on Figure 1. It is intended that the monitoring well will be located downgradient of the former diesel tank excavation location¹. The boring for the monitoring well will be drilled using hollow stem auger drilling equipment. The well will be constructed using 2-inch-diameter PVC well screen and casing in accordance with guidelines published by the Alameda County Flood Control District, Zone 7. After installation the well will be developed by surging and pumping to remove fine sediments from around the well screen and increase hydraulic communication with the surrounding formation.

¹ The approximate direction of groundwater movement is indicated on Figure 1, based on data included in "Geohydrology and Groundwater - Quality Overview, East Bay Plain Area, Alameda County, California, 205(J) Report," Alameda County Flood Control and Water Conservation District, June 1988.

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All wastes generated during drilling, well development, and groundwater quality sampling operations, will be drummed and temporarily stored at the subject facility. Geomatrix will assist you in classifying the drummed wastes; however, you will assume responsibility for appropriate disposal of all wastes.

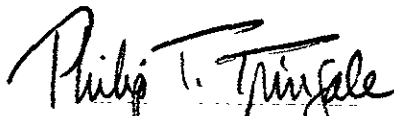
- Task 2: Sampling and Analysis - Geomatrix will sample the shallow groundwater monitoring well following installation and development. Prior to sampling, the well will be purged of at least four casing volumes or until values of conductivity, temperature, and pH have stabilized. Water samples from the well (one sample and one duplicate) will be sent to an analytical laboratory for diesel analysis (EPA Test Method 8015).
- Task 3: Report Preparation - Geomatrix will prepare a report describing the monitoring well installation and sampling activities and summarizing the analytical results for samples collected by Geomatrix.
- Task 4: Confirmation Sampling - Geomatrix will resample the well three months after the first sampling. The water samples will be analyzed for diesel using EPA Test Method 8015. If the analytical results for initial and confirmation sampling indicate that diesel is not present in the shallow groundwater, the monitoring well be abandoned in accordance with State and County guidelines.

We appreciate the opportunity of working with you on this project. Please call either of the undersigned if you have any questions regarding the proposed program or require additional information.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC.



Elizabeth R. Schoner
Environmental Planner



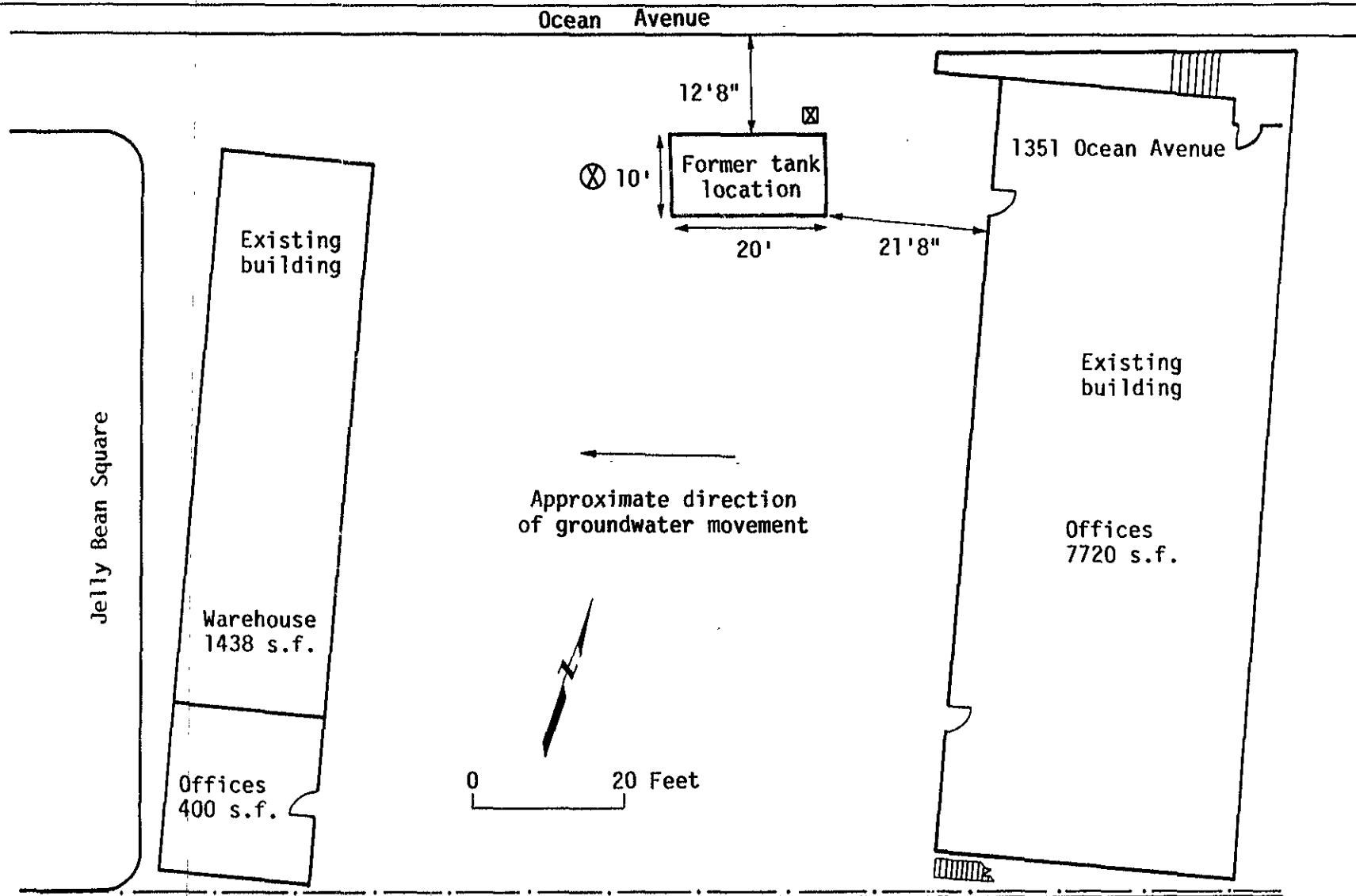
Philip T. Tringale, P.E.
Project Director

Attachment



GEOMATRIX

PROPOSED MONITORING WELL LOCATION
1351 Ocean Avenue
Emeryville, California



EXPLANATION

- ⊠ Former diesel pump location
- ⊗ Approximate location of proposed shallow groundwater monitoring well

Figure
1

Project No.
1382A