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ENVIRONMENTAL ENGINEERING, INC
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November 1, 2004

Mr. Amir Gholami
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Alameda County
NOV 03 2004
Environmental Health Services

Re: Interim Groundwater Remediation at
Tony's Express Auto Service
3609 International Boulevard, Oakland, California

Dear Mr. Gholami:

Based on SOMA's quarterly groundwater monitoring results, the highest levels of impacted groundwater are located in the region of the UST cavity in wells MW-1 and MW-3, and also in the northeastern section of the site in well MW-6. At the present time, to remediate and reduce concentration levels at the site, SOMA has installed a groundwater extraction system and a soil vapor extraction system. The locations of the wells and remediation systems are shown in Figure 1.

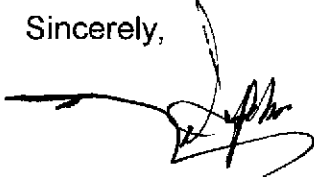
Through the operation of these remediation systems, the impacted groundwater has been effectively contained within the site. This has reduced the migration of higher concentrations of TPH-g, benzene, and MtBE from reaching offsite regions. However, to further reduce the concentration levels in wells MW-1, MW-3, and MW-6, SOMA recommends utilizing ozone sparging technology at the site.

The ozone sparging system would be used at the site for a limited time. SOMA has contacted Piper Environmental Group (Piper), the manufacturer of the ozone sparging system. A pilot test would need to be conducted at the site; this test would be used as a standard in determining the length and effectiveness of the ozone sparging system.

During the pilot test, the permeability of the soil will be tested. Compressed air will distributed at each wellhead using an air compressor set at 0-60 psig. The volume of compressed air at each wellhead will determine the airflow through each well. The test will cost approximately \$150 for a three-day test. Based on the results of the pilot test, an ozone sparging system may be installed at the site. The cost of the system is approximately \$4895 per month.

Upon your approval of the pilot test and operation of the system, SOMA will contract with Piper to begin remedial activities. Thank you for taking the time to review this matter. Meanwhile, please do not hesitate to call me at (925) 244-6600, if you have any questions or comments.

Sincerely,



Mansour Sepehr, Ph.D., P.E.

Principal Hydrogeologist

cc: Abolghessem Razi



COMMERCIAL AREA

INTERNATIONAL BLVD

COMMERCIAL AREA

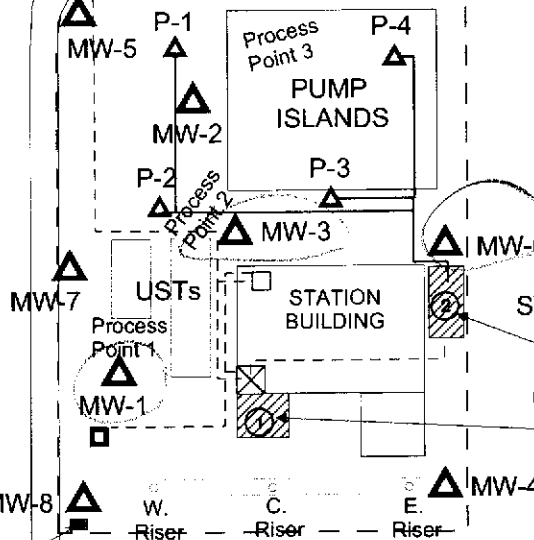
36th AVENUE

Main sewer line

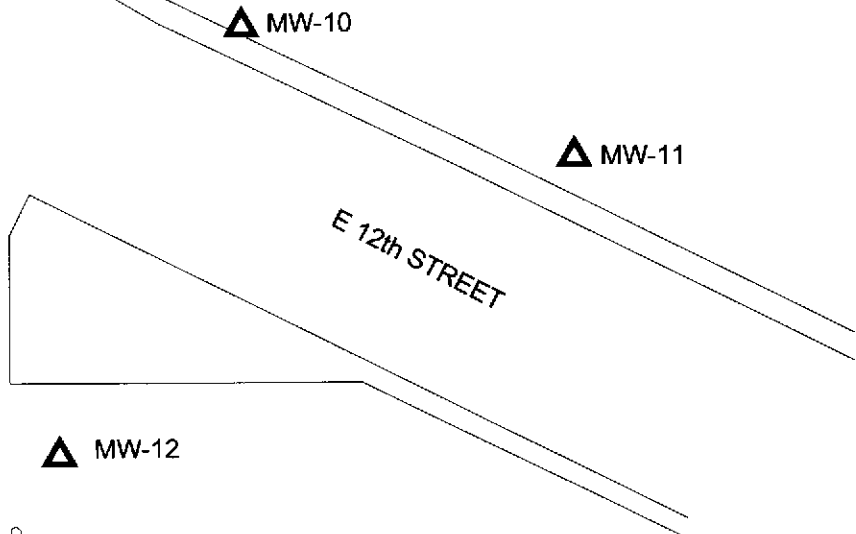
Storm drain

EBMUD

Manhole



- ▲ MONITORING WELL
- ▲ EXTRACTION WELL
- EXTRACTION MANIFOLD PIPING
- - - FACILITY PROPERTY LINES
- - - SEWER LINE APPROXIMATE
- - - WATER LINE TO WATER METER APPROXIMATE
- - - TREATMENT SYSTEM DISCHARGE LINE APPROXIMATE
- ⊗ RESTROOM
- SINK
- NEPTUNE WATER METER
- ① TREATMENT SYSTEM SAMPLING POINT



(Discharge permit No: 504-27421)
Tony's Express Auto Service



approximate scale in feet

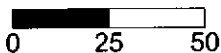


Figure 1: Site map showing location of groundwater monitoring wells, French drain, SVE system, and GAC system.