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11:20 am, Apr 25, 2011

Alameda County
Environmental Health

Mr. Paresh Khatri
Alameda County
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Foothill Mini Mart, 6600 Foothill Boulevard, Oakland, California
(ACEHS Case No. RO0000175)

Dear Mr. Khatri:

Stratus Environmental, Inc. (Stratus) has recently prepared the attached document on my behalf. This document was prepared in regards to Alameda County Fuel Leak Case No. RO0000175, located at 6600 Foothill Boulevard, Oakland, California.

I have reviewed a copy of this document, sent to me by representatives of Stratus, and “I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.”

Sincerely,



Ravi Sekhon



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

April 18, 2011
Project No. 2087-6600-01

Ms. Flora Chan
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

Re: **Notification of Proposed DPE Test**
Foothill Minimart
6600 Foothill Boulevard
Oakland, California

Dear Ms. Chan:

Stratus Environmental, Inc. (Stratus) on behalf of Mr. Ravi Sekhon, has prepared this letter to notify Bay Area Air Quality Management District (BAAQMD) regarding a proposed 3-day dual phase extraction (DPE) test at the Foothill Minimart located at 6600 Foothill Boulevard, Oakland, California (see Figure 1). The test is currently scheduled to begin on **April 26, 2011**.

Stratus proposes to use a CBA Equipment, LLC (CBA), 250 cubic feet per minute (cfm) trailer-mounted DPE system. The system incorporates a 15-horsepower (hp) liquid ring pump and a thermal oxidizer rated at a maximum flow rate of 250 cfm. Petroleum hydrocarbon laden soil vapors and groundwater will be extracted from existing well EX-1 using the liquid ring pump. Soil vapors will be separated from groundwater in a 100-gallon air-water separator, in-built on the DPE system, and abated using the thermal oxidizer before discharging to the atmosphere. Groundwater from the knock-out tank will be transferred to a 21,000 gallon steel tank, pending transportation and disposal at a waste acceptance facility. A 49-hp rated propane generator, or similar, will be used to energize the DPE system. The location of the extraction wells and other pertinent site features are presented in Figure 2. A process flow diagram for the system is illustrated in Figure 3.

The following parameters will be monitored during the test:

- Hour meter reading,
- Vapor extraction flow rate,
- Influent, operating, and effluent temperatures,

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- Applied vacuum at the extraction well using standard pressure gauges,
- Depth to water and induced vacuum measurements in wells located in the immediate vicinity of test-wells,
- Totalizer reading to calculate groundwater extraction rates, and
- Photo-ionization detector (PID) measurements for system-influent and effluent air samples.


A minimum of one influent air sample will be collected during each day of the DPE event, and one effluent air sample will be collected on the start-up day. The air samples will be submitted to a state-certified laboratory requesting analysis for gasoline range organics (GRO) using United States Environmental Protection Agency (USEPA) Method 8015B, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), methyl tertiary butyl ether (MTBE), and tertiary butyl alcohol (TBA) using USEPA Method 8260B. Additional air and water samples will be collected during the test to evaluate system performance and to monitor petroleum hydrocarbon concentrations in soil vapors.

Upon completion of the test and receipt of all analytical results, Stratus will prepare and submit a report that documents the findings of the DPE test.

If you have any questions regarding this notification, please contact Kiran Nagaraju at (530) 676-6007.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

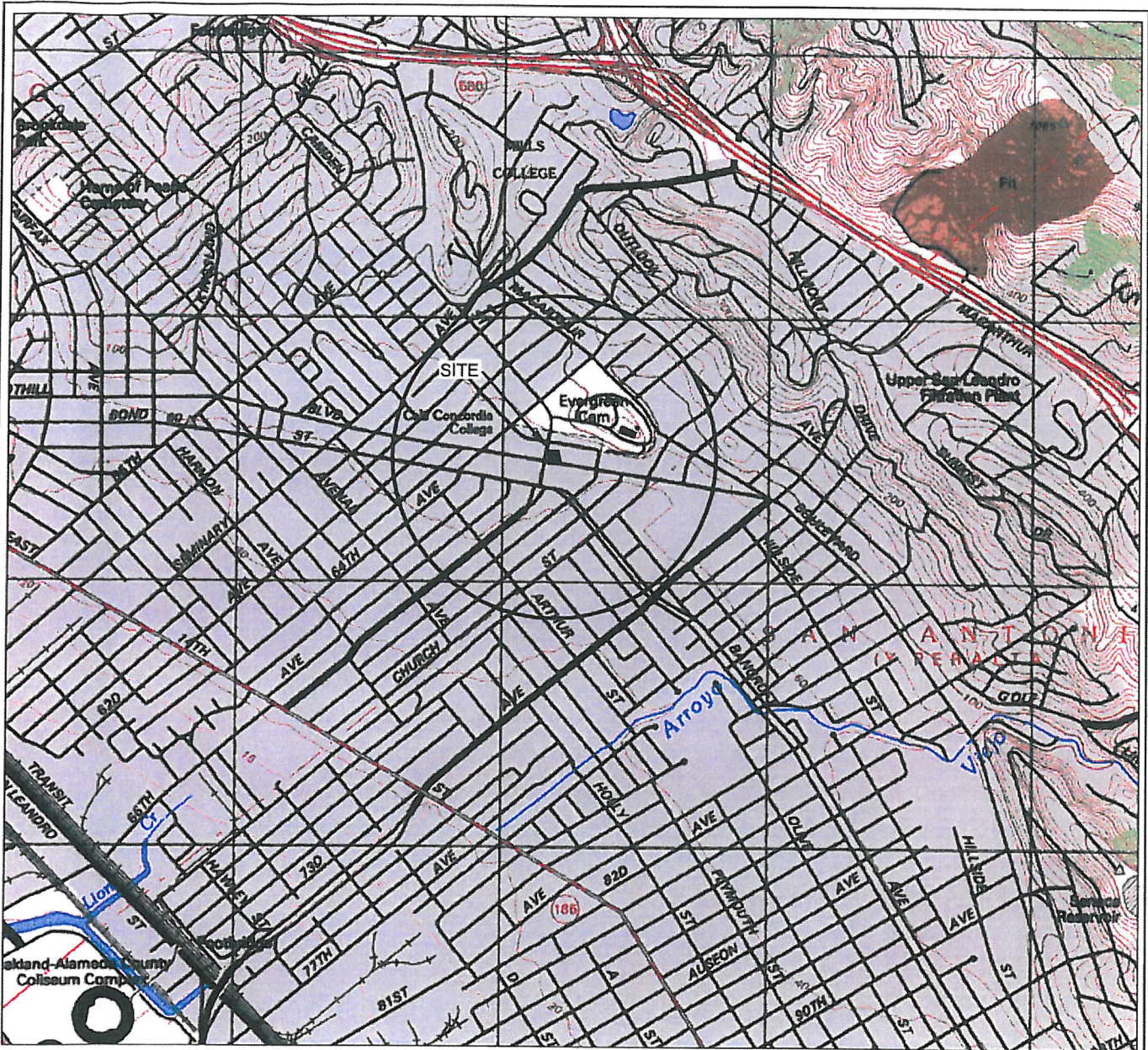

Kiran Nagaraju
Project Engineer



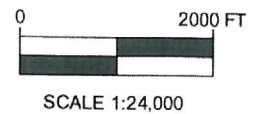
Scott Bittinger
Project Manager

Attachments: Figure 1 Site Location Map
 Figure 2 Site Plan
 Figure 3 Process Flow Diagram

cc: Mr. Ravi Sekhon, Former Property Owner
 Mr. Paresh Khatri, Alameda County Environmental Health Department



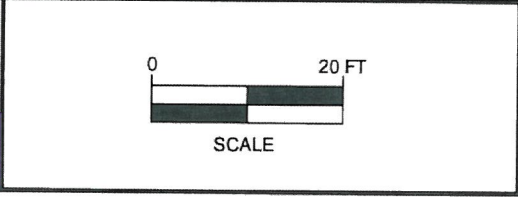
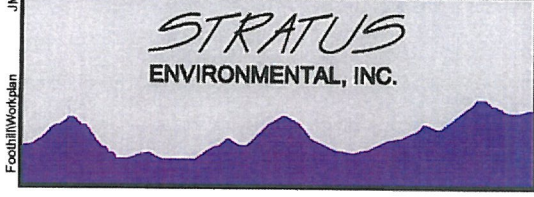
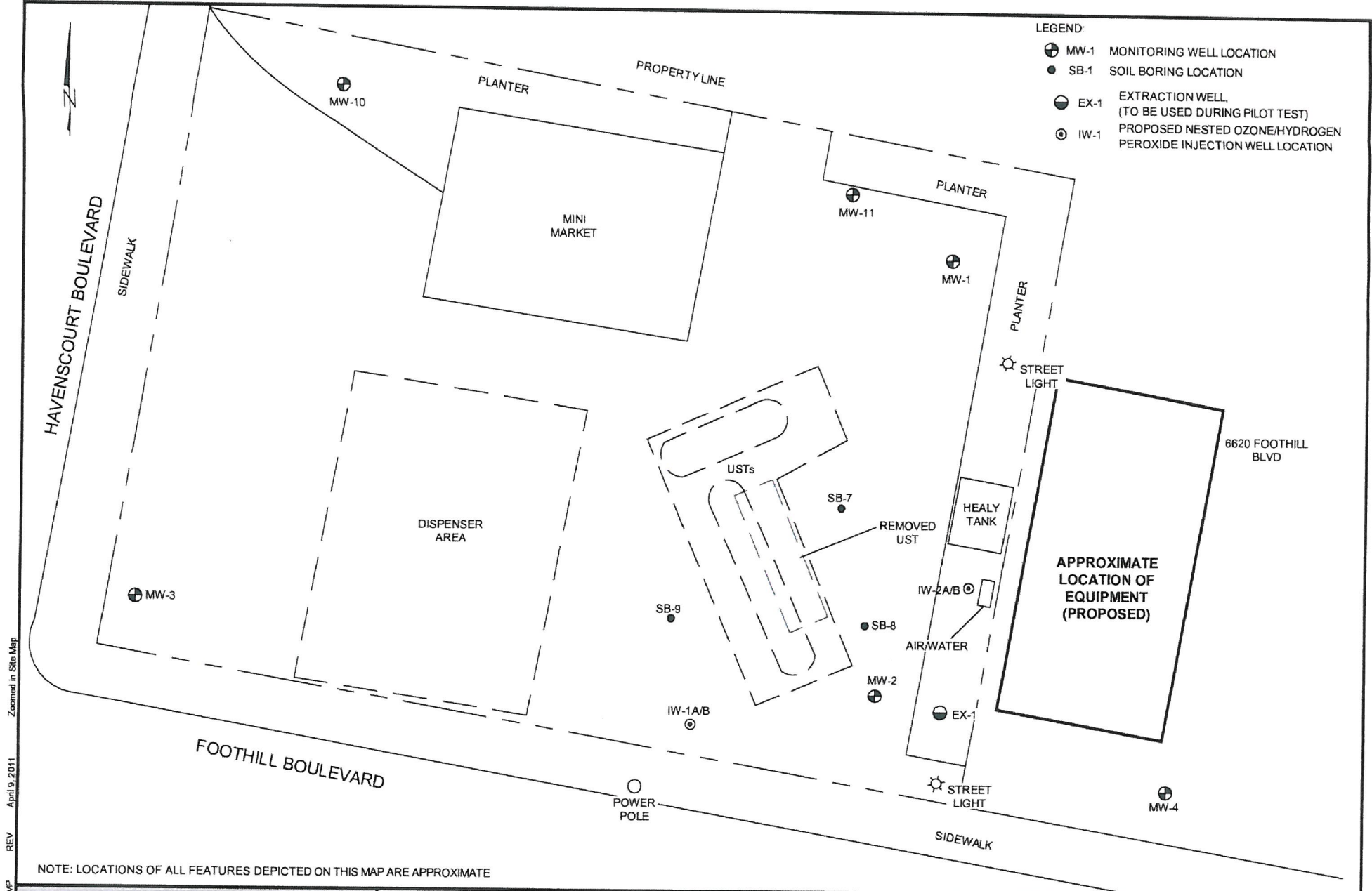
GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 OAKLAND EAST, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



FOOTHILL MINI MART
 6600 FOOTHILL BOULEVARD
 OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE
1
 PROJECT NO.
 2087-6600-01

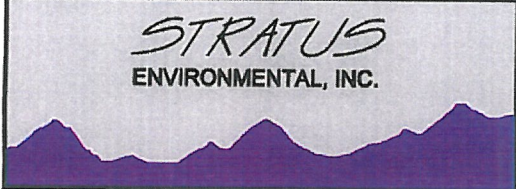
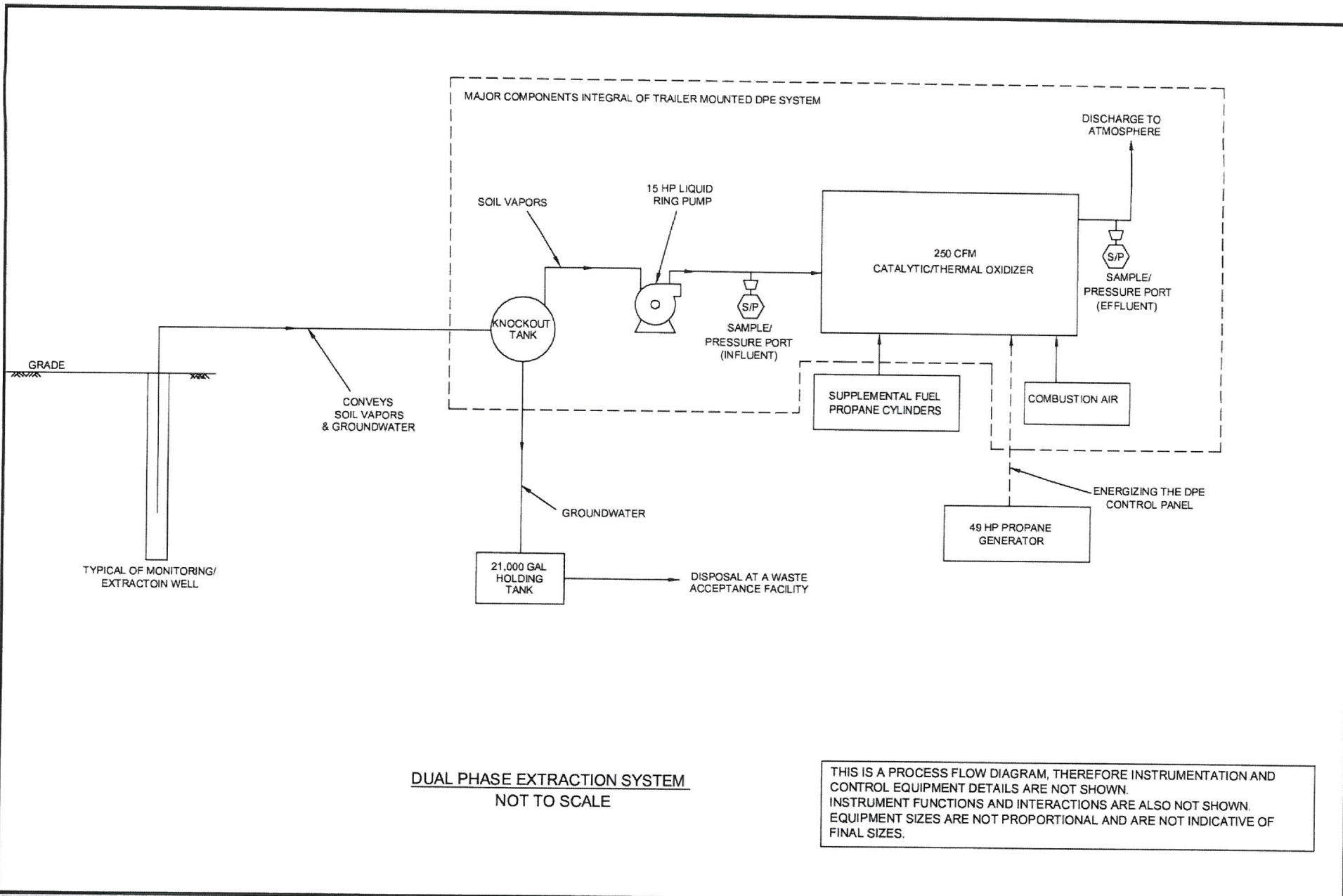


FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SITEPLAN

FIGURE
2
PROJECT NO.
2087-6600-01

JMP
 REV
 April 9, 2011
 Zoomed In Site Map
 Foothill/Workplan



FOOTHILL MINI MART
6600 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

PROCESS FLOW DIAGRAM

FIGURE
3
PROJECT NO.
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