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**Touchstone
Developments**
Environmental Management

ENVIRONMENTAL
PROTECTION

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December 13, 1996

Chevron Products Company
6001 Bollinger Canyon Road
San Ramon, California 94583

Attention: Phil Briggs

Reference: Soil Excavation Management Plan
Former Chevron Station No. 9-3864
5101 Telegraph Avenue
Oakland, California

INTRODUCTION

This proposed Soil Management Plan has been prepared by Touchstone Developments (Touchstone) at the request of Chevron Products Company (Chevron) for soil excavation and grading activities scheduled at the above referenced location (Figure 1). The objective of this workplan is to describe activities associated with the characterization of soils for management and disposal purposes should the need arise during these construction activities.

BRIEF SITE SUMMARY

The site is now a flat, vacant lot. The former station was demolished and underground storage tanks (USTs) were removed in 1991. During September 1991, overexcavation of the gas UST complex was performed to remove petroleum hydrocarbon impacted soils. Approximately 600 cubic yards were excavated of which approximately 300 cubic yards were disposed of at Browning-Ferris Industries (BFI) located in Livermore, California, the the remaining 300 cubic yards were aerated, then reused as backfill on-site. See Blaine Tech report dated October 28, 1991.

Groundwater monitoring and sampling has continued to the present.

SOIL EXCAVATION AND DISPOSAL ACTIVITIES

Two commerical buildings are currently planned for the site. The structures are planned to cover approximately two thirds of the site and will require soils to be excavated for footings and utility trenches.

A Touchstone representative will monitor, evaluate and if

need be, obtain additional soil samples during excavation of areas identified with petroleum hydrocarbon contamination during the grading and trenching activities. The Touchstone representative will be available by pager and/or telephone for immediate consultation during the excavation activities. Soils generated during excavation activities will be segregated based on field observations and PID monitoring.

Any petroleum hydrocarbon contaminated soils will be segregated during excavation and off-hauled to the appropriate disposal facility. If excavated soils have to be stockpiled on site, a soil stockpile sample will be collected for approximately every 25 cubic yards of excavated soil prior to covering with plastic. Four samples will be composited in the laboratory for an analysis representative of approximately every 100 cubic yards of soil. Stockpile sampling will be for the purpose of characterizing soil for evaluating disposal requirements.

Samples may be collected from the bottom or sidewalls of the trenches if hydrocarbon impact is suspected still to be in place. This would be for the purpose of evaluating risk if any. If additional soil sampling is required during excavation, soil samples will be collected from the backhoe bucket by removing the top few inches of soil and pushing a clean, 2"x6" brass and/or stainless steel tube into the soil until full. The tubes will be covered at both ends with teflon tape or aluminum foil and sealed with plastic end caps. The soil samples will be labeled, entered on a Chain-of-Custody form, put in a cooler with ice and transported to Sequoia Analytical, State-certified analytical laboratory located in Redwood City, California.

Samples obtained during excavation activities will be evaluated in the field with a PID. Samples exceeding 10ppm with the PID will be submitted to a laboratory for analyses, as required by the receiving landfill. Soil samples collected for initial PID readings will be placed in ziplock bags. The bags will be allowed to set for approximately 5 minutes, then the PID probe will be punctured into the headspace of the bag to obtain a reading. If TPH readings exceed 10 ppm, then samples may be submitted to the laboratory.

Samples obtained will be analyzed for Total Petroleum Hydrocarbons (TPH) calculated as gasoline according to EPA Method 8015 modified, and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020. Additional analyses for samples collected in the former waste oil tank areas may include Total Oil and Grease (TOG) according to

EPA Method 5520 E & F, Volatile Organic Compounds (VOCs) according to EPA Method 8010 or 8240, Semi-volatile Organic Compounds, and CAM 17 Metals or Total Lead for disposal requirements.

If TPH (for gas or oil) levels do not exceed 100ppm, then soils may be profiled for disposal at Redwood Landfill, a class III Landfill located in Novato, California or other approved facilities. If levels exceed 100ppm but remain non-hazardous, then these soils will be profiled for disposal at Browning-Ferris Industries (BFI), class II Landfill located in Livermore, California or BFI's Ox Mountain facility near Half Moon Bay, California.

Should hazardous materials be encountered, they will be segregated, stockpiled on and covered with visqueen, then manifested appropriately and transported by a hazardous waste licensed hauler to Kettleman hills, California, a class I Landfill. Construction workers/operators with 40 Hour SARA safety training will be the only personnel allowed to handle or transport this material.

A Health and Safety Plan is attached in Appendix A, but is only to be used to supplement the general contractors plan. The general contractor is responsible for developing and enforcing his own Health and Safety Plan.

If you have any questions, please call me at (707) 538-8818.

Touchstone Developments by,

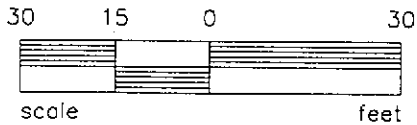
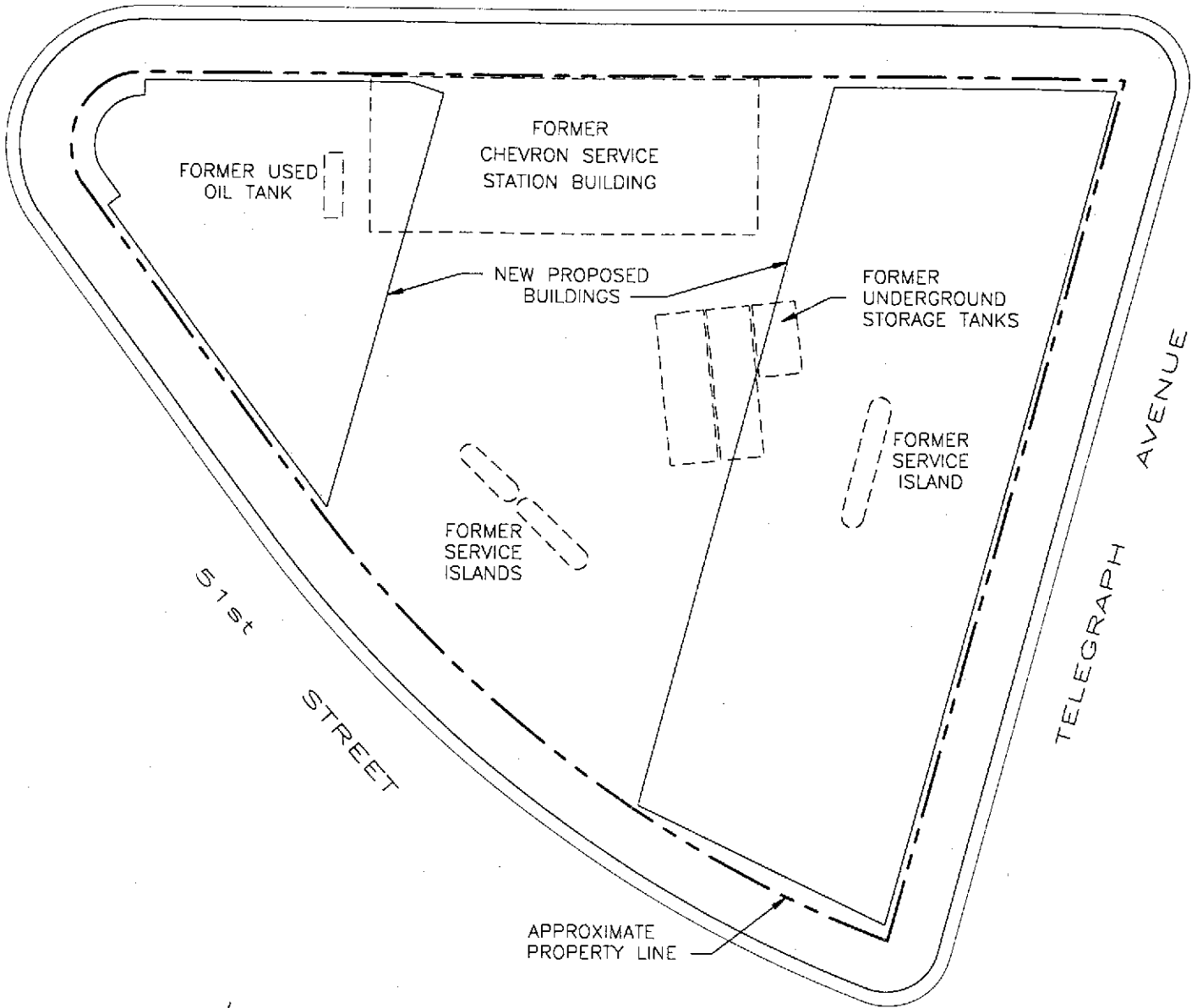
Jeff Monroe
Project Manager

JLM/jlm

Attachments:

Figure 1: Site Plan
Appendix A: Health and Safety Plan

52nd STREET



Reference: Site Plan by GeoStrategies Inc.



**Touchstone
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Environmental Management

Job. No: 96-3864
Appr:
Drwn: CD
Date: DEC 1996

**SITE PLAN - FORMER STATION
PRESENTLY A VACANT LOT**
Chevron Station No. 9-3864
5105 Telegraph Avenue
Oakland, California

FIGURE
1

APPENDIX A:
Health and Safety Plan

STATE: CA

PROJECT: 97-01

PARAMETER: TH



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LOCATION: 5101 TELEGRAPH AVE
OAKLAND, CA 94612

SITE SAFETY PLAN
Former Chevron No. 9-3864
5101 Telegraph Ave., Oakland, CA

GENERAL INFORMATION:

SITE: Property Rep: Chevron Products Company
Location: 5101 Telegraph Avenue
City and State: Oakland, California

PLAN PREPARED BY: Touchstone Developments

OBJECTIVES: To provide a safety plan for the safe completion
of site investigation and excavation activities.

PROPOSED DATE OF SITE WORK: January-February 1997

DOCUMENTATION/SUMMARY:

Hazardous materials may be present,
caution is advised. Site work includes possible
excavation activities in former fuel pump and UST
location to collect soil and/or water samples.

SITE/WASTE CHARACTERISTICS:

POSSIBLE WASTE TYPES: Liquid Solid Gas Diesel Oil

CHARACTERISTICS: Volatile Flammable Toxic

FACILITY DESCRIPTION: Gas tanks removed.
Had underground fuel storage tanks
that contained gasoline.

STATUS: Vacant lot, grading activities to start.

HAZARDOUS EVALUATION

PARAMETER: TLV 300 ppm THC **HEALTH:** Ingestion, Inhalation,
Absorption.

LEL 10% Gastechtor max.

SPECIAL PRECAUTIONS

AND COMMENTS: Correct safety procedures must be followed per
Contractor's Health and Safety Plan. This plan
is only a supplemental plan.

SITE SAFETY WORKPLAN:

PERIMETER ESTABLISHMENT: Use barricades and fencing to restrict access to test pit area. Pit excavation to be backfilled after county approval.

PERSONAL PROTECTION: Level of Protection: EPA Level D
Modifications: Hard hats
Surveillance Equipment: Druggers Tubes
** Level C will be used if Hazardous parameters are exceeded

SITE ENTRY PROCEDURES: None

DECONTAMINATION PROCEDURES: Personal: Wash with detergent and water
Equipment: Steam clean if necessary.

FIRST AID: As applicable

WORK LIMITATIONS: Some buried utilities.
U.S.A. has been notified in advance.

TEAM COMPOSITION: Jeff Monroe - Project Manager/Sampler and Site Safety Officer, responsible for monitoring. And equipment operators.

EMERGENCY INFORMATION

LOCAL RESOURCES: Ambulance/Hospital/Police/Fire Dial 911
Kaiser Permanente Hospital (510) 596-1120
Fire Department Dial 911

SITE RESOURCES: Sorbant Pads Fire Extinguisher
Visqueen First Aid Kit
** Telephone and water available at school office.

EMERGENCY CONTACT: Touchstone Developments (707) 538-8818
Chevron Office (510) 842-9136

EMERGENCY ROUTES: Nearest emergency hospital is:

Kaiser Permanente Hospital
280 W. McArthur Avenue
Oakland, California
(510) 596-1120

