



Chevron U.S.A. Products Company

2410 Camino Ramon, San Ramon, California • Phone (510) 842-9500
Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

September 4, 1992

rec'd 9/15/92

Ms. Susan Hugo
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station No. 9-1740
6550 Moraga Avenue, Oakland, CA 94611

Ms. Susan Hugo :

Enclosed is the remediation work plan dated September 2, 1992 for the above referenced site.

Work is tentatively scheduled for September 9, 1992.

If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/MacFile 9-1740R4

Enclosure

cc: Mr. Eddy So
RWQCB-S.F. Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Mr. Steve Willer
Chevron U.S.A. Products Co.

9/14/92

*Talked to Ken Kan - Verification
soil samples must be analyzed
not only for TOC & TPH motor oils as
proposed but must include
TPH_g, TPH_d, BTEX, Cl HC, metals
Cd, Cr, Pb, Zn & Ni.*

*Scheduled verification for tomorrow
9/15/92.*



PROPOSED EXCAVATION/REMEDATION WORK PLAN

Chevron Service Station No. 9-1740
6550 Moraga Avenue
Oakland, California

September 2, 1992



**Touchstone
Developments**
Environmental Management

September 2, 1992

Chevron U.S.A.
2410 Camino Ramon
San Ramon, California 94583

Attention: Kenneth Kan

Reference: Proposed Soil Excavation/Remediation Work Plan
Chevron Service Station No. 9-1740
6550 Moraga Avenue
Oakland, California

Gentlemen:

INTRODUCTION

This proposed work plan has been prepared by Touchstone Developments (TD) for the Chevron station at the above referenced location (figure 1). The purpose of this work plan is to describe sampling activities associated with excavation and remediation of hydrocarbon contaminated soil. Previous soil sampling activities described in TD's Waste Oil Tank Removal Observation Report dated August 31, 1992 indicate that hydrocarbon contamination is present in the vicinity of the former waste oil tank area.

PROPOSED SCOPE OF WORK

Soils will be excavated from the hydrocarbon-impacted areas identified in the TD report in the vicinity of monitoring well C-1 and the former waste oil tank recently removed (figure 2). If necessary, a permit will be obtained from Alameda County Zone 7 to abandon monitoring well C-1 and the well will be abandoned by excavating to the bottom of casing with an excavator bucket during contaminated soil excavation activities. Excavation will continue vertically and laterally until at least one of the following is/are encountered:

- * First occurrence of groundwater
- * Practical limits of the excavation equipment
- * Structural integrity of nearby buildings, utilities, canopy or sidewalk is jeopardized
- * Chemical analysis indicates that no unacceptable levels of hydrocarbon contamination remain
- * Contamination is not limited in extent
- * Property Boundaries

Samples will be collected from the bottom and sidewalls of the excavation to verify the effectiveness of the excavation activities.

Soil Sampling and Analysis

Soil samples will be collected in clean 6-inch-long brass tubes (2 inch diameter), covered at both ends with 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 blue ice and transported to a State-certified analytical laboratory. The samples will be analyzed for

[REDACTED]

?

A soil sample will be collected for approximately every 12 1/2 cubic yards of excavated soil. Four samples will then be composited in the laboratory for an analysis representative of approximately each 50 cubic yards of soil, for off-site disposal.

Soil Remediation and Disposal

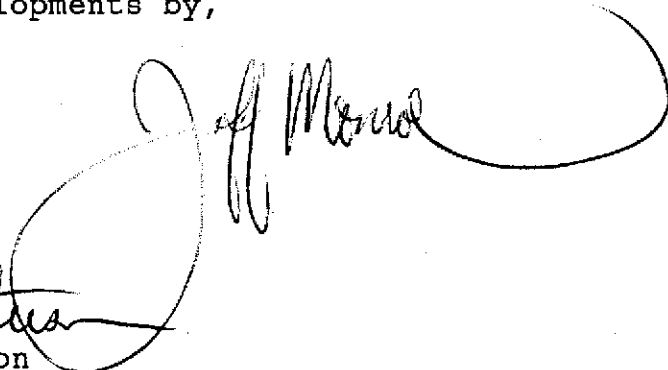
Soil stockpiles generated from excavation activities will be disposed at the appropriate facility pending analytical results.

At the completion of this scope of activities, a summary report will be prepared, including field and laboratory data.


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

Touchstone Developments by,

Jeff L. Monroe
Project Manager



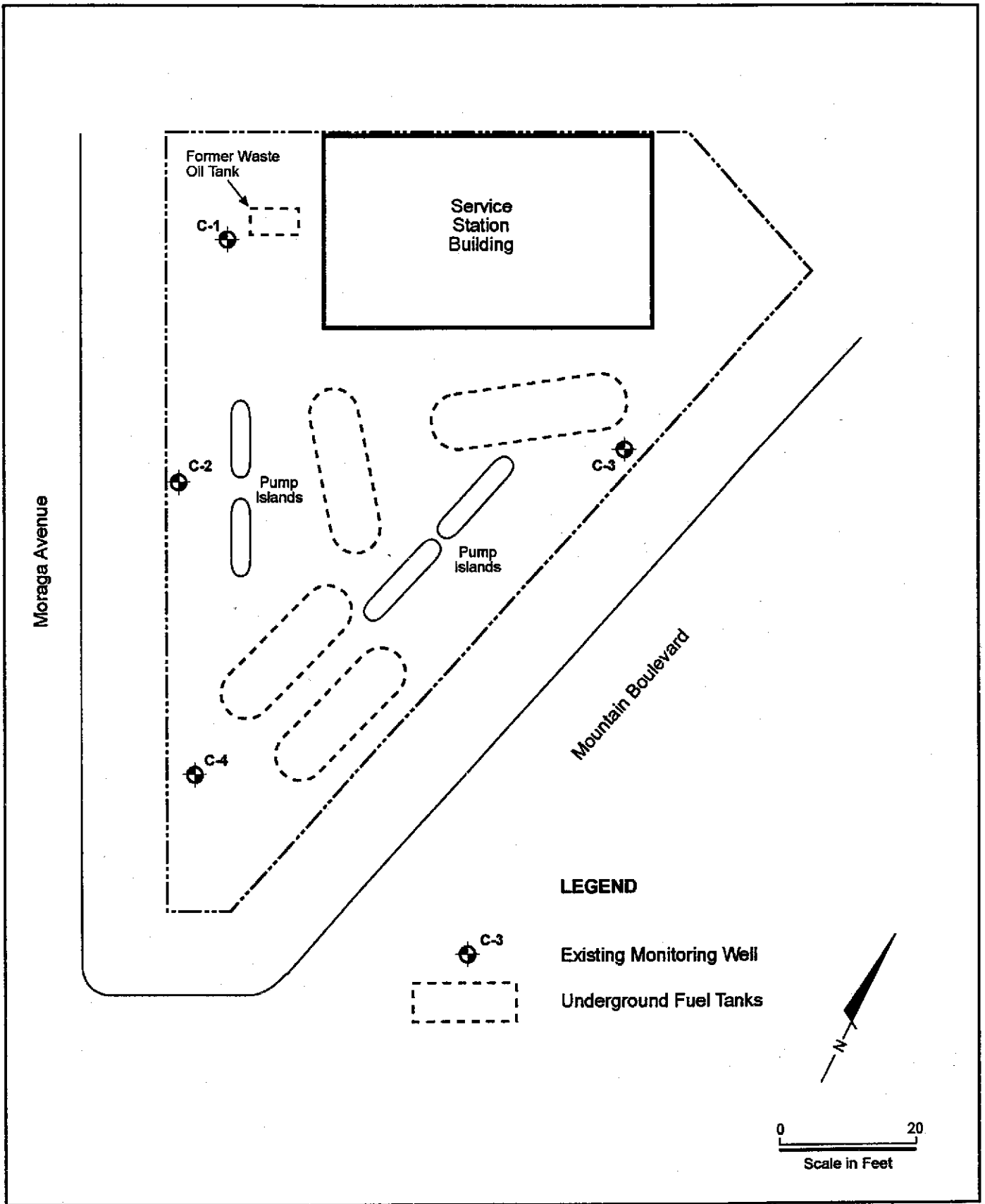
Reviewed by,


David H. Peterson
Engineering Geologist - 1186

DHP/JLM/jlm

Figure 1: Site Plan

Figure 2: Site Plan with Anticipated Excavation Limits



FIGURE



**Touchstone
Developments**
Environmental Management

Site Plan
Chevron Station 9-1740
6550 Moraga Avenue
Oakland, California

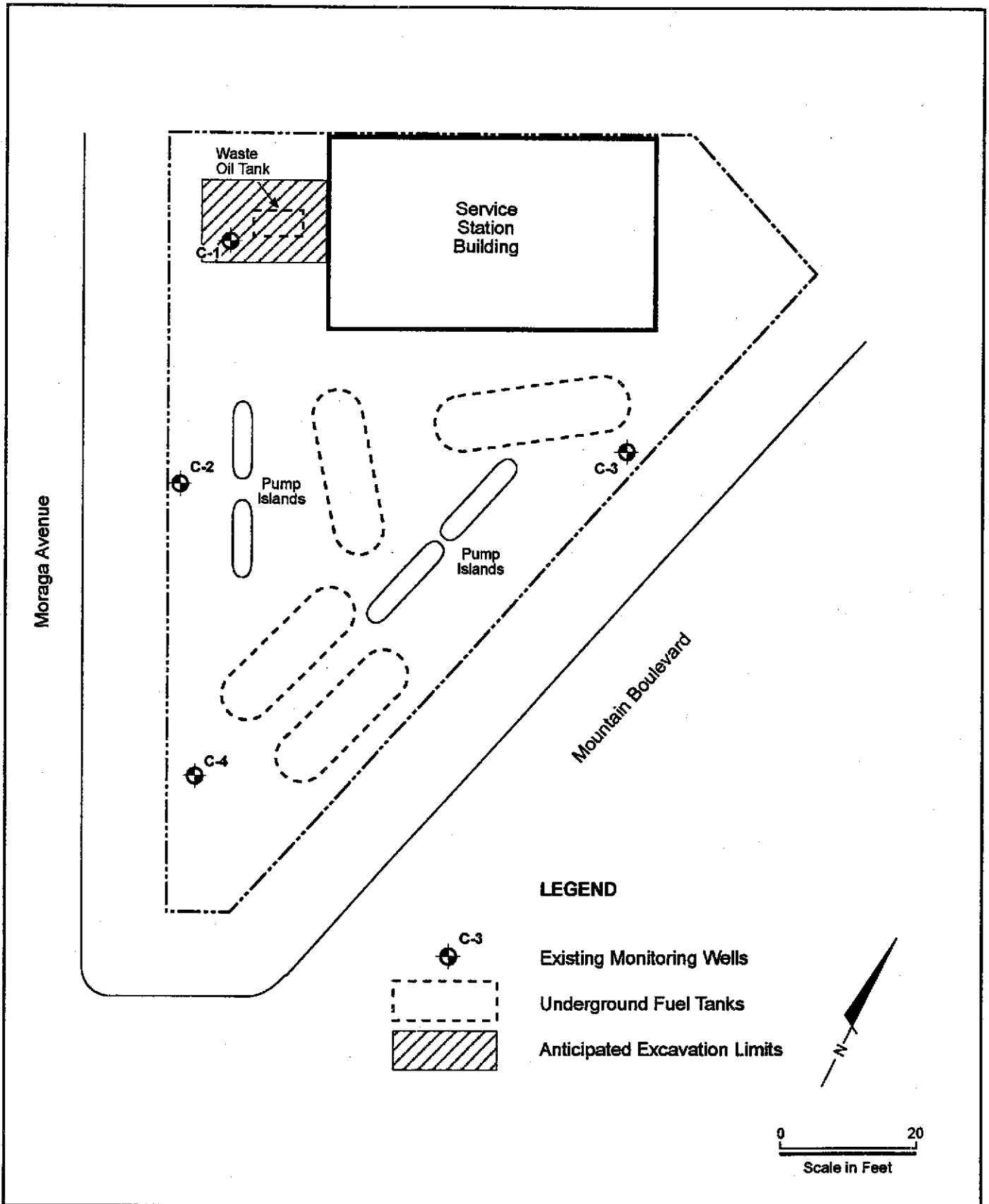
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PROJECT NUMBER
1740-1

DRAWN
PM

APPROVED
[Signature]

DATE
9/92



FIGURE

2



**Touchstone
Developments**
Environmental Management

Site Plan / Anticipated Excavation
Chevron Station 9-1740
6550 Moraga Avenue
Oakland, California

PROJECT NUMBER
1740-1

DRAWN
PM

APPROVED

DATE
9/92