

SITE SAFETY PLAN

I INTRODUCTION

This Health and Safety Plan has been prepared to outline the minimum standards to be applied to the site. This Health and Safety Plan will be followed by PETROLEUM ENGINEERING, INC. and their SUBCONTRACTORS during their involvement in this project.

The jobsite name and address is: Automobile Sales and Service,
914-916 San Pablo Avenue, Albany, California

The site contains: One (1) small capacity gasoline tank and one (1)
small capacity waste oil tank

This Health and Safety Plan outlines a personnel and work site safety program to minimize the risk of endangering surrounding personnel and/or property.

II HEALTH AND SAFETY CONSIDERATIONS

A. Key Personnel

Health and Safety Officer

The designated Health and Safety Officer for this project is: _____ . This person will be responsible for planning, implementing and auditing the health and safety program for this project.

B. Hazardous Substance Description

No known contamination exists at this site. However, observation of the excavated material should be made to detect any unusual odors or obvious indication that contamination may be present.

LEL Meter will be present

C. Chemical Distribution

No known contamination exists at this site. However, if contamination were encountered, it would probably be constituents of gasoline (Benzene, Toluene, Xylylene and Ethylbenzene).

1. Benzene

- a. Characteristics:
Clear, colorless, highly flammable liquid with characteristic odor.
- b. High exposure levels may cause:
Acute restlessness, convulsions, depression, respiratory failure, suspected carcinogen.
- c. Permissible exposure level in air (PEL) for a time weighted average (TWA) over an eight hour period:
10 ppm

2. Toluene

- a. Characteristics:
Refractive, flammable liquid with benzene-like odor.
- b. High exposure levels may cause:
Headache, nausea
- c. PEL for an 8-hour TWA:
200 ppm

3. Xylene

- a. Characteristics:
Clear, mobile, flammable liquid.
- b. High exposure levels may cause:
Skin, nose and eye irritation, dizziness, ataxia, loss of consciousness and respiratory failure.
- c. PEL for an 8-hour TWA:
100 ppm

E. Physical Hazards

Other on-site hazards may include physical injuries due to the proximity of workers to engine-driven heavy equipment and tools. Heavy equipment used during the excavation will likely include backhoe and/or excavator, dump trucks and other equipment as part of the tank removals and backfilling operations. Only trained personnel will operate machines, tools and equipment; all of which will be kept clean and in good repair. Safety apparel required around heavy equipment will include a hard hat.

All work will be performed in accordance with OSHA guidelines.

III EMERGENCY MEDICAL CARE

In the event of an injury or suspected chemical exposure, the first responsibility of the Health and Safety Officer will be to prevent further injury. This objective will normally require an immediate end to work until the situation is rectified. The Health and Safety Officer may order an evacuation of the work party.

The Health and Safety Officer's primary responsibility in the event of an accident will be evacuation, first aid, and decontamination of injured team members. The Health and Safety Officer will determine safe evacuation areas and begin first aid.

IV EMERGENCY PROCEDURES

A. Response to Emergency

In case of an injury, the Health and Safety Officer will use the appropriate first aid kit and contact off-site medical help, if appropriate.

If medical evacuation is required, the route shown on the attached map will be followed.

B. Emergency Contacts

Ambulance, Fire, Police: Call 911

Hospital: Herrick Hospital

2001 Dwight Way

Berkeley, California Phone (415) 845-0130

Chemical Spills: National Response Center (24 hours)
(800) 424-9300

Environmental Protection Agency

Emergency Response Center: _____

Poison Control Center (24 hour): Herrick Hospital, 2001 Dwight Way,
Berkeley, California Phone (415) 845-0130

Cal-OSHA District Office: _____
(Occupational Injuries) _____

Regional Water Quality Control Board: San Francisco Bay Region,
1111 Jackson Street, Oakland, California Phone (415) 464-1255

C. Acute Exposure Symptoms and First Aid

<u>Exposure Route</u>	<u>Symptoms</u>	<u>First Aid</u>
Skin	Dermatitis	Wash immediately with soap and water, contact ambulance, if evacuation is necessary.
Eye	Irritated eyes	Flush eyes with water, call for ambulance.
Inhalation	Virtigo, tremor	Move person to fresh air, cover source of chemicals.
Ingestion	Nausea, vomiting	Call Poison Control Center

D. Contingency Plan

The following procedures will be used in case of an unpredictable event:

Fire: Use fire extinguisher if localized and call the Fire Department if uncontrolled.

Chemical Exposure: Follow first aid treatment specified previously.

Physical Injury: Provide first aid treatment and contact ambulance for evacuation, if appropriate.

List of Attachments:

1. Site Plan
2. Escape Route Map

Distribution:

NORTH

ADAMS STREET

Sidewalk

W.O. Tank

Parking

Parking

(Other businesses and structures)

Sidewalk

SOLANO AVENUE

Gasoline Tank

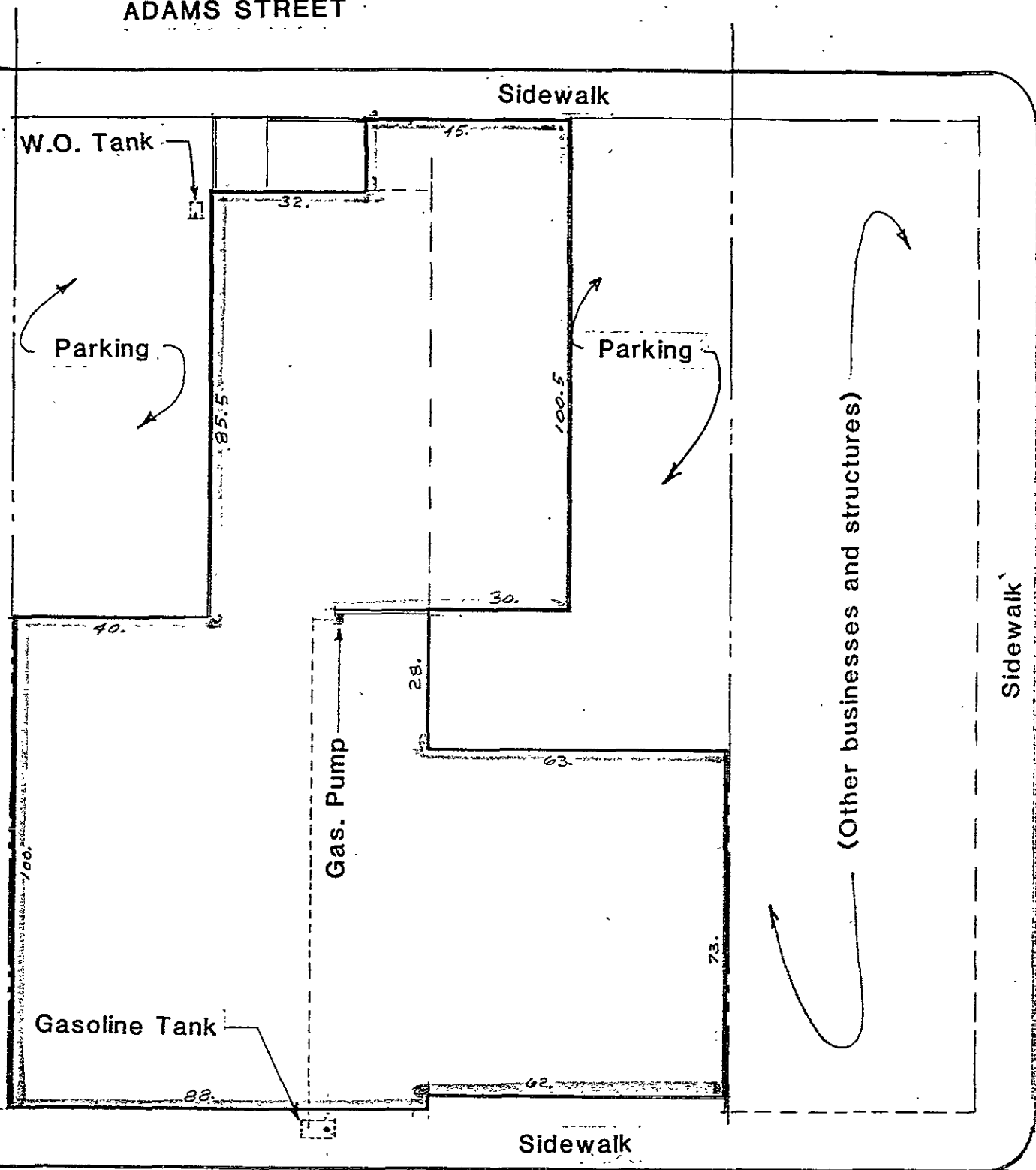
Gas. Pump

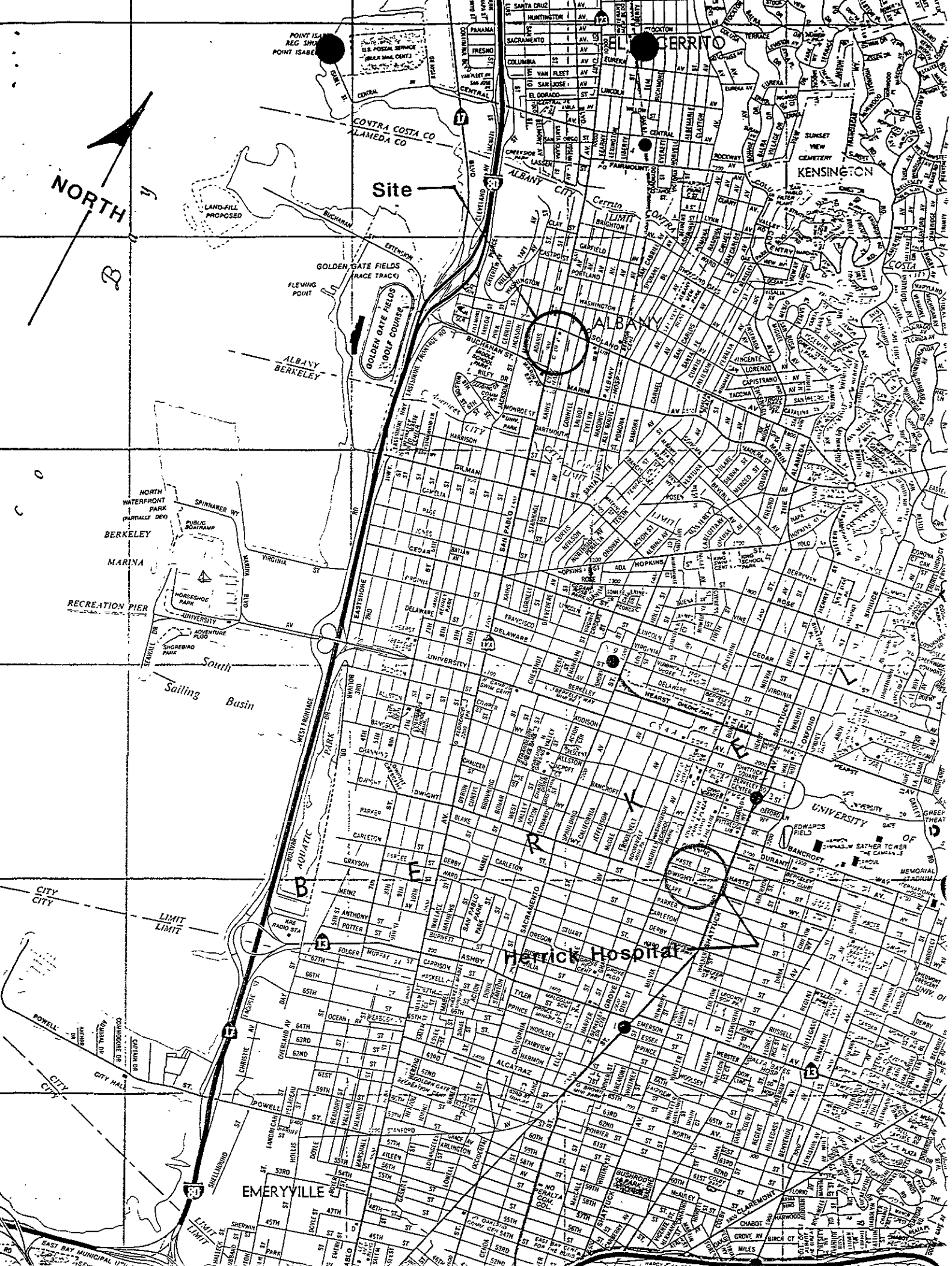
Sidewalk

SAN PABLO AVENUE

AUTO SALES & SERVICE
914 - 916 San Pablo Avenue
Albany, California

1"=30'





NORTH

Site

CONTRA COSTA CO
ALAMEDA CO

GOLDEN GATE FIELDS
(RACE TRACKS)

GOLDEN GATE FIELDS
GOLF COURSE

ALBANY
BERKELEY

NORTH
WATERFRONT
PARK
PARTIALLY DEV.

BERKELEY
MARINA

RECREATION
PIER

UNIVERSITY
ADVENTURE
POND

Sailing
Basin

CITY
LIMIT

LIMIT
LIMIT

EMERYVILLE

Herick Hospital

UNIVERSITY
OF
CALIFORNIA

UNIVERSITY
GATE

MEMORIAL
STADIUM

BERKELEY
ATHLETIC
CLUB

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UNIV. OF
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