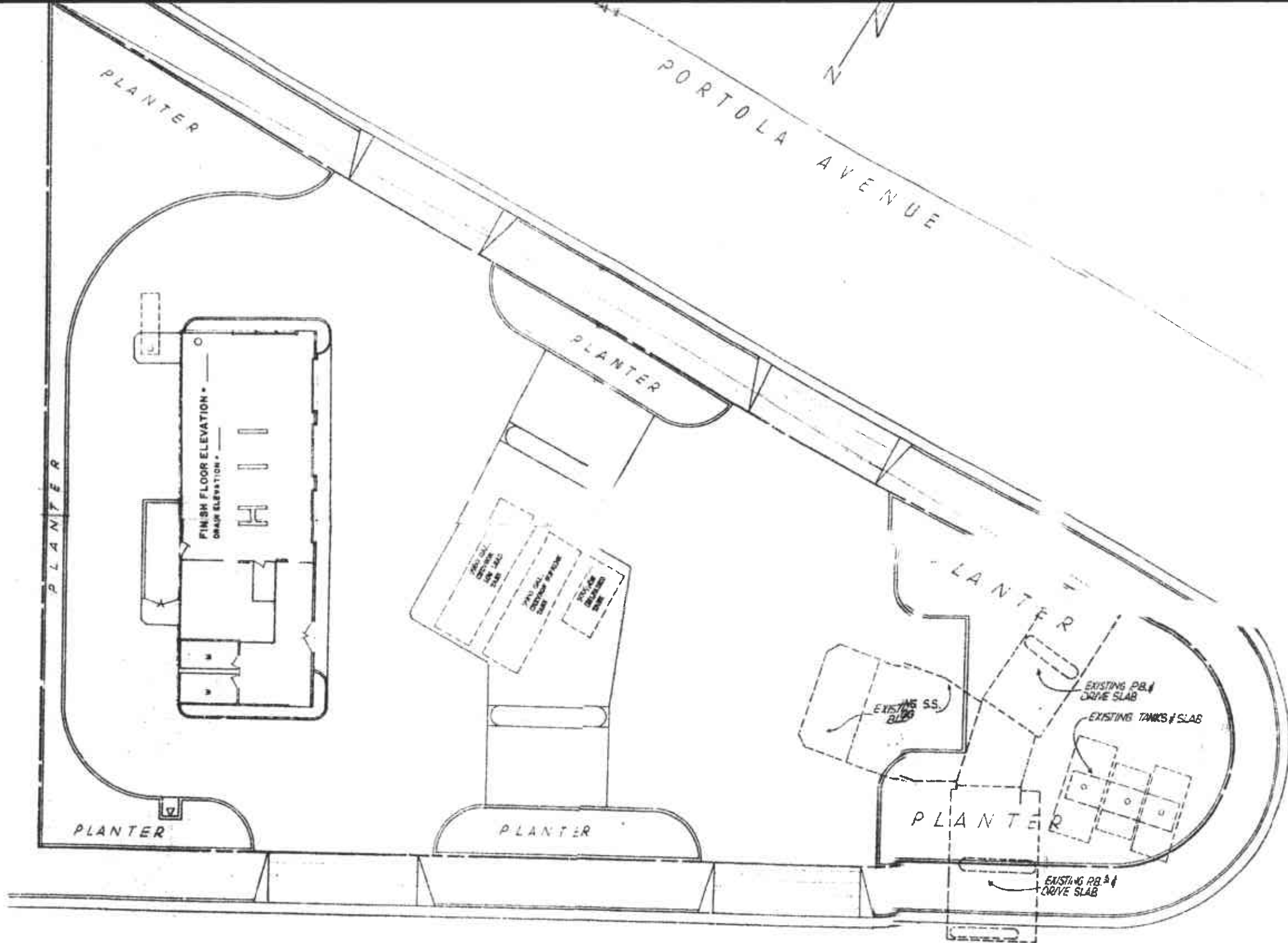


ATTACHMENT C

1971 Standard Oil Company

Station Demolition Plan



FIRST STREET

- | | | | | | |
|---|---|---|---|--|--|
| <ul style="list-style-type: none"> ◆ Property Line ◆ Fence ◆ Elec. Conduit ◆ Piping 4" Unless Shown Otherwise ◆ Electric Panel | <ul style="list-style-type: none"> ◆ Incandescent Fixture ◆ Telephone ◆ Electroliner ◆ Street Electroliner ◆ R.R. Signal Switch ◆ R.R. Signal Box ◆ Electric Bellringer Protocol | <ul style="list-style-type: none"> ○ Utility Pole ○ Trolley Pole ○ Guy Pole ○ Doodar ○ Flag Pole ○ Posterboard ○ Chevron | <ul style="list-style-type: none"> ○ Valve ○ Water Meter ○ Floor Drain ○ Wash Drain ○ Sand & Grease Trap ○ Valve ○ Access Pit ○ Full Box ○ Manhole ○ Sign ○ Traffic Sign ○ Fire Hydrant | <ul style="list-style-type: none"> □ Stop □ Flood □ Fire □ Sign ○ Lube □ Waste | <ul style="list-style-type: none"> □ Pit □ Fold □ Air Tank □ Air □ Air □ Air □ Air □ Air □ Air □ Air |
|---|---|---|---|--|--|

REVISIONS	
NO.	DATE OR BY

DEMOLITION

DEALER OPERATED 55th 261
FIRST ST. & PORTOLA AVE.
LIVERMORE, CALIFORNIA

STANDARD OIL COMPANY OF CALIFORNIA
WESTERN OPERATIONS, INC.
MARKETING OPERATIONS

DATE: 3-15-71
DRAWN: [Signature] BY: [Signature]

ATTACHMENT D

**1971 Standard Oil Company
Ground & Grade With Product Piping**

ATTACHMENT E

Standard Field Procedures for Geoprobe Sampling

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. Prior to drilling, the first 8 ft of the boring are cleared using an air or water knife and vacuum extraction. This minimizes the potential for impacting utilities.

A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling, and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photo ionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

FATEMPLATE\SOPS\GEOPROBE WITH AIR KNIFE CLEARANCE.DOC

**3800 AND 3884 FIRST STREET
(APNs 099-0056-012 AND 099-0056-001-15)**

SUMMARY OF SITE INFORMATION

SUMMARY OF FINDINGS	INFORMATION SOURCES (listed below)
---------------------	------------------------------------

General Site Information

- Located at 3800 and 3884 First Street in Livermore
- The site consists of two parcels:
 1. the larger parcel (3800 First Street, APN 099-0056-012) consists of approximately 3.2 acres
 2. the smaller parcel (3884 First Street, APN-099-0056-001-15) consists of about 0.6 acres.
- The site is primarily covered (buildings and pavement) with some perimeter landscaping.
- The underground storage tank (UST) case at 3800 First Street was authorized closure by ACHCSA in 1996 for three USTs that were removed in 1992 following 4 quarters of groundwater monitoring.
- Petroleum-impacted soil is present on the smaller (0.6-acre) parcel; no residual issues are identified on the 3.2-acre parcel.

Assessor's Parcel Map presented in December 18, 2003 Chicago Title Company Preliminary Report.

ACHCSA letter dated June 14, 1995.

Site Use History

3800 First Street

- Car dealership from 1979 to the present.
- Initially developed circa 1940 for Coast Manufacturing and Supply Company

Golder report

3884 First Street

- Currently, a car lot for the adjacent dealership.
- Chain of title indicates that Standard Oil Company leased the site from 1945 to 1967; the City of Livermore records indicate that Standard Oil occupied the site from 1967 until at least 1975.
- A 1959 aerial photograph shows development (interpreted to be a former service station) on the 0.6 acre parcel; this development was no longer present on the 1976 aerial photograph .

Tom Edwards & Associates (TEG),
October 21, 1999

**3800 AND 3884 FIRST STREET
(APNs 099-0056-012 AND 099-0056-001-15)**

SUMMARY OF SITE INFORMATION

SUMMARY OF FINDINGS	INFORMATION SOURCES (listed below)
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Regional Geology/Depth to Groundwater

- Site is located in a Livermore Upland Area, which is generally characterized by clay-rich soils of low permeability. Regional maps do not suggest primary depositional streambeds in the site area (consistent with site boring logs, described below).
- The nearest water-producing well (about 1/3 mile from the site) is screened below 100 feet. The boring log for this well (10F1) documents the stratigraphy to 107 feet as follows: 3 – 35 feet, yellow clay; 35 feet to 37 feet, gravel, 37 feet to 107 feet, yellow clay. The predominant presence of clay is consistent with site boring logs.

DWR Bulletin No. 118-2

Department of Water Resources well records

Site Geology/Hydrogeology

- The stratigraphy at 3800 First Street, near the former USTs, is characterized in the upper 10 to 15 feet as silty, sandy, gravelly clay, underlain by sandy and silty clay to 65 feet below ground surface (bgs), the maximum depth of the borings.
- The stratigraphy at 3884 First Street is characterized as silty, sandy, gravelly fill to depths ranging between 4 and 7 feet bgs, underlain by clay and silty clay to 20 feet bgs (the maximum depth of the borings).
- Depth to groundwater at the site was documented during quarterly monitoring in 1993 and 1994; during this time, it ranged between 40 and 65 feet bgs.
- Groundwater depth at nearby environmental sites has been documented to be greater than 50 feet bgs.
- Groundwater flow direction is primarily to the south.

Soil Tech Engineering, August 1993

TEG, December 1999

Soil Tech Engineering, 1993 and 1994 quarterly groundwater monitoring reports
ACHCSA letters dated September 14, 1994 and October 3, 1994 to PG&E and Codiroli Motors, respectively
Soil Tech Engineering, 1993 and 1994 quarterly groundwater monitoring reports

**3800 AND 3884 FIRST STREET
(APNs 099-0056-012 AND 099-0056-001-15)**

SUMMARY OF SITE INFORMATION

SUMMARY OF FINDINGS	INFORMATION SOURCES (listed below)
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Environmental Evaluation and Findings

- In late 1999, an investigation of the approximately 0.6-acre area formerly occupied by Standard Oil was conducted; the investigation included a geophysical survey and soil sampling from six borings drilled to a depth of 20 feet.
 1. No USTs or piping were found.
 2. Petroleum-impacted soil was detected but is vertically defined.
 - Elevated concentrations of petroleum quantified against a motor oil standard (TPHmo) were present in samples from one boring (B-2) at depths of 5 and 10 feet bgs. No TPHg, TPHd, TPHmo, or BTEX were detected in this boring in soil samples collected from 15 feet bgs.
 - Total recoverable petroleum hydrocarbons were present at an elevated concentration in a soil sample from boring B-3 at a depth of 10 feet bgs.
 3. Analysis for volatile aromatic constituents was performed on soil samples containing the highest petroleum concentrations; when detected, these constituents were present at low concentrations (benzene was detected at a concentration of 0.03 milligrams per kilogram (mg/kg)).

TEG, December 1999

Nearby Environmental Sites

- Pacific Gas & Electric Company Service Center, 3797 First Street
 1. Stratigraphy documented as “predominately fine grained silts and clays with interbedded coarse gravels and sands to a depth of 30 to 35’ bgs. A silty to sandy clay occurs from 30’ to at least 50’ bgs.”
 2. No groundwater was encountered in any borings to a depth of 50 + feet.
 3. Residual chemical concentrations left in place (benzene detected at 1.1 mg/kg at 35 feet bgs).

ACHCSA closure letter to PG&E dated September 14, 1994

**3800 AND 3884 FIRST STREET
(APNs 099-0056-012 AND 099-0056-001-15)**

SUMMARY OF SITE INFORMATION

SUMMARY OF FINDINGS	INFORMATION SOURCES (listed below)
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- Codioli Motors, 3737 First Street
 1. Stratigraphy documented as gravelly sands to 20 feet bgs, underlain by sandy and silty clay to 30 feet bgs, followed by less permeably silty clays from 27 to 40 feet bgs, and sandy clay from 40 feet to at least 51 feet bgs.
 2. No groundwater was encountered in any borings to a depth of 51 feet bgs.
 3. Residual chemical concentrations left in place (benzene detected at 1.2 mg/kg at 25 feet bgs.).

ACHCSA closure letter to Codioli Motors dated October 3, 1994

Results of Well Survey

- No water-producing wells are located within ¼ mile of the site.
- No active environmental sites are identified within ¼ mile of the site.

Department of Water Resources well records
Zone 7 Water Agency Map

¹ DWR Bulletin No. 118-2 is entitled Department of Water Resources Bulletin No. 118-2, Livermore and Sunol Valleys, Evaluation of Groundwater Resources, Appendix A: Geology, page 39, 1966.

² Golder Associates, 1999, Preliminary Environmental Site Assessment Report, Livermore Honda, Audi, Subaru Dealership, 3800 First Street, Livermore, California 94550, October 8.

³ ACHSCA = Alameda County Health Care Services Agency.

⁴ Tom Edwards & Associates, Environmental Consulting, 1999, Aerial Photograph Review for 3800 First Street, Livermore, October.

⁵ Soil Tech Engineering, Inc., 1993, Preliminary Soil and Groundwater Assessment in the Vicinity of Former Underground Storage Tanks for Livermore Honda, Located at 3800 First Street, in Livermore, California, August 16.

⁶ Tom Edwards & Associates, Environmental Consulting, 1999, Preliminary Subsurface Investigation Report, Livermore Honda Dealership Used Car Lot, 3800 First Street, Livermore, California 94550, December.

⁷ Well records were obtained from the Department of Water Resources in March 2004.