Leaking Underground Fuel Tank Data Collection Checklist

LUSTIS
Local Agency 3747
RWQCB

SITE: Ytra Oil Company dba Shell Station
ADDRESS: 3495 Castro Valley Blvd.
CITY: Castro Valley COUNTY: Alameda REG. BOARD No:
REVIEWED BY: Scott SEERY (Name) Alameda Co. - LOP (Agency) DATE: 11-14-94

I. RELEASE INFORMATION (FROM TECHNICAL REPORTS OR OTHER FILE DOCUMENTS)

a) Check [X] type of product(s) which leaked: [X] Gasoline [X] Diesel [X] Other waste oil

b) Was apparent source of leak identified? (YES) NO
If YES, check [X] source location(s): [ ] Tank [X] Piping [X] Overfill [ ] Other

c) Was rate of release estimated? YES (NO)
If YES, specify rate: although based on age of site and size of plume, appear to be long-term release

d) Was mass/volume of release estimated? YES (NO)
If YES, specify mass/volume (note unit of measurement):

e) Was tank removed? (YES) NO
If YES, specify: Three (3) 10,000 gallon fuel USTs removed 7/16/92; one (1) approximate 1000 gallon waste oil UST removed (sans permit) in 1988

COMMENTS: soil sampling of waste oil pit occured w/o ACDEH oversight in April 1989

II. SITE INVESTIGATION INFORMATION (FROM REPORTS OR OTHER FILE DOCUMENTS)

a) Was "free product" reported? (YES) NO
If YES, check [X] location(s) where free product was noted: [X] Excavation [ ] Soil Sample [X] Monitoring Well

If MONITORING WELL, specify maximum thickness reported (note unit of measurement): sheen

b) Was a soil vapor survey conducted? (YES) NO

c) Was an aquifer test (e.g., pumping or slug test) performed? (YES) NO

d) Number of monitoring wells installed at the site 3 plus one (1) extraction well in UST pit

e) Number of soil (or "Hydropunch") borings NOT completed as wells 3 on-site borings; off-site Hydropunch

COMMENTS: SVE - survey initially proposed 12/89; finally performed 11/91. Initial assessment work involved 6 borings, total, with 3 converted to wells. Ground water (GW) appears confined. Slug test produced a K= 0.63 ft/day

III. REMEDIATION INFORMATION (FROM TECHNICAL REPORTS OR OTHER FILE DOCUMENTS)

a) Was source are "over-excavated"? (YES) NO

If YES, specify volume of soil removed or dimensions of excavation: ~1650 yds³

b) Is leak source area reported to be covered by asphalt, concrete or other material? (YES) NO

c) Check [X] if any other active remediation at site:

		Date Started	Date Stopped
X	Soil Vapor Extraction/Bioventing	planned, but not	implemented
X	Pump and Treat	" " "	"
	Air sparging		
	Hydrogen peroxide injection		
	Nutrient injection		
	Slurry wall		
X	Other pump total fluids from fuel UST pit during tank replacement		7/20/92

Mass/volume of free product removed (if applicable) UNK

Mass/volume of dissolved product removed (if applicable) UNK

COMMENTS: Approx. 5000 gallons of water pumped from fuel UST pit during UST closure by H+H Ship Service as an "interim" measure. Absorbent socks in each well for ~ last year - replaced as needed.

IV. INFORMATION ITEMS TO COPY FROM REPORTS OR OTHER FILE DOCUMENTS, INCLUDING TABLE, FIGURES ETC. (check [X] if available)

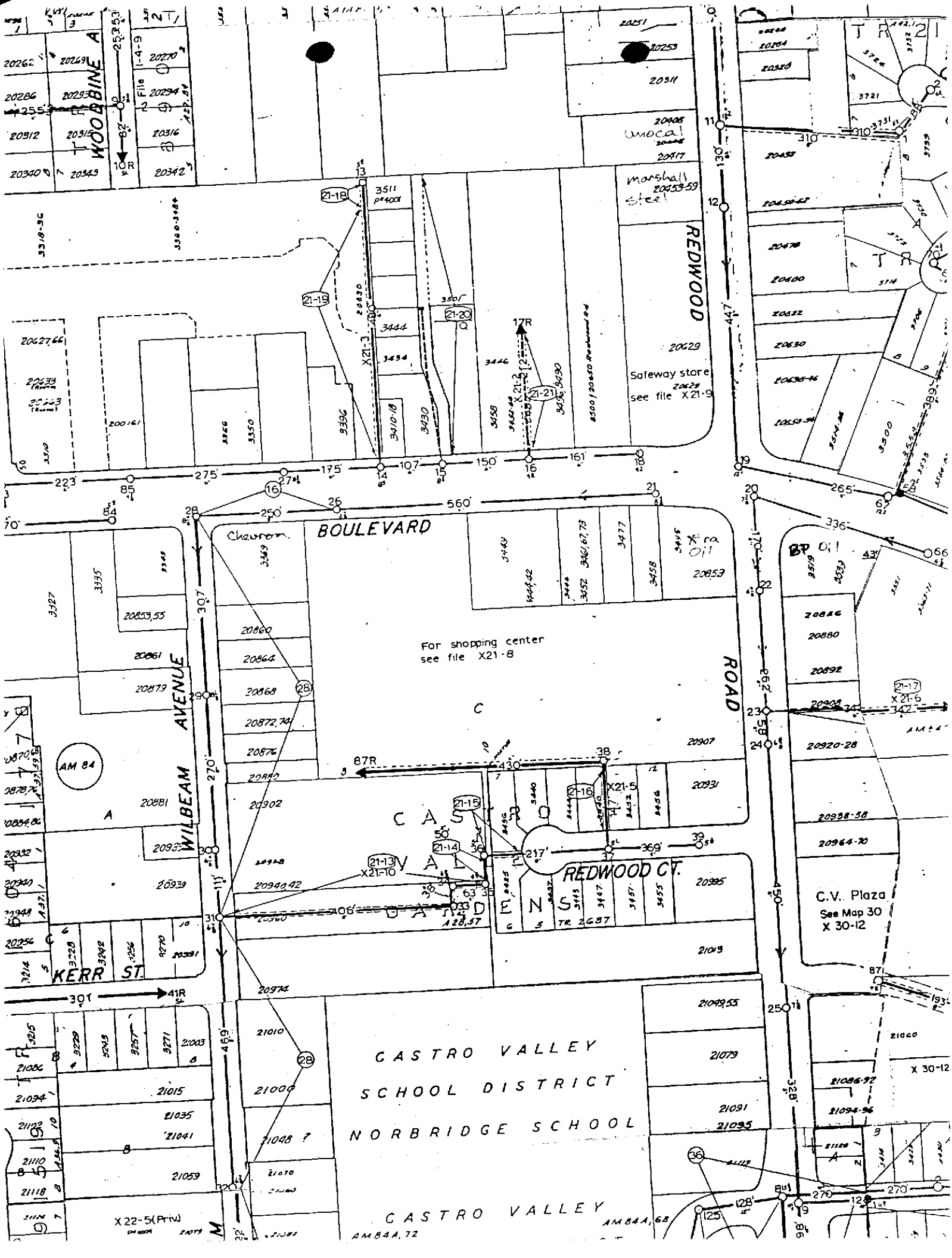
- [X] Leak history narrative (including most recent summary account of remedial actions to date, if available)
- [X] Site map(s) showing leak "source" area(s)
- [X] Site map(s) showing monitoring well locations
- [ ] Site map(s) showing ground water elevation contours
- [ ] Site map(s) showing pollution concentration isocontours in ground water
- [ ] Site map(s) showing soil boring locations (if not present on any of the above maps)
- [ ] Site map(s) showing soil concentration isocontours.
- [X] Ground water sample analytical data from each well through time (i.e. time series)
- [X] Ground water elevation and depth-to-ground measurements from wells through time (i.e.time series)
- [X] Soil analytical data from tank pit (including over-excavation confirmation samples)
- [X] Soil analytical data from soil boring samples
- [X] Soil boring logs
- [X] Monitoring well construction logs
- [ ] Geologic cross-sections
- [X] Aquifer yield test data (e.g., results from pumping or slug tests)
- [ ] Other soil or ground water test data (e.g., porosity, soil moisture content, TOC, etc.)
- [ ] Soil vapor analytical data (if available), including site map showing soil vapor survey locations
- [ ] Biological indicator parameters (e.g., dissolved oxygen, etc.), if available
- [ ] Local "background" ground water quality, if available

COMMENTS: Note: Phase I off site "hydropunch" study completed. Work plan for Phases II and III opposed; Phase II completed. Increased levels of HCs found in point P10, located at the head of Redwood Court, ~500' south of subject site. Sewer line maps (enclosed) indicate possible utility trench conveyance of polluted GW, although not evaluated

XTRA OIL COMPANY DBA SHELL OIL STATION
3495 CASTRO VALLEY BLVD.
CASTRO VALLEY, ALAMEDA COUNTY

LIST OF ATTACHMENTS

- **9/16/94** P&D Environmental (P&D) - quarterly sampling report
- **8/16/94** P&D Phase II and III off-site "hydropunch" work plan
- **6/2/94** P&D UST closure report
- **4/28/94** P&D off-site Phase I "hydropunch" report
- **2/14/90** WEGE well construction logs
- **2/14/90** WEGE bore hole logs
- **3/28/90** WEGE boring/well location map
- **undated** WEGE boring soil sample analytical results
- **undated** CGG slug test work sheet
- **undated** sanitary sewerline location map


WOODBINE A
REDWOOD
BOULEVARD
WILBEAM AVENUE
ROAD
REDWOOD CT.
KERR ST.
CASTRO VALLEY
SCHOOL DISTRICT
NORBRIDGE SCHOOL
CASTRO VALLEY
Safeway store
see file X21-9
For shopping center
see file X21-8
C.V. Plaza
See Map 30
X 30-12
Chevron
Unocal
Marshall Steel
BP Oil
AM 84
X22-5(Prin)
AM84A,72
AM84A,68