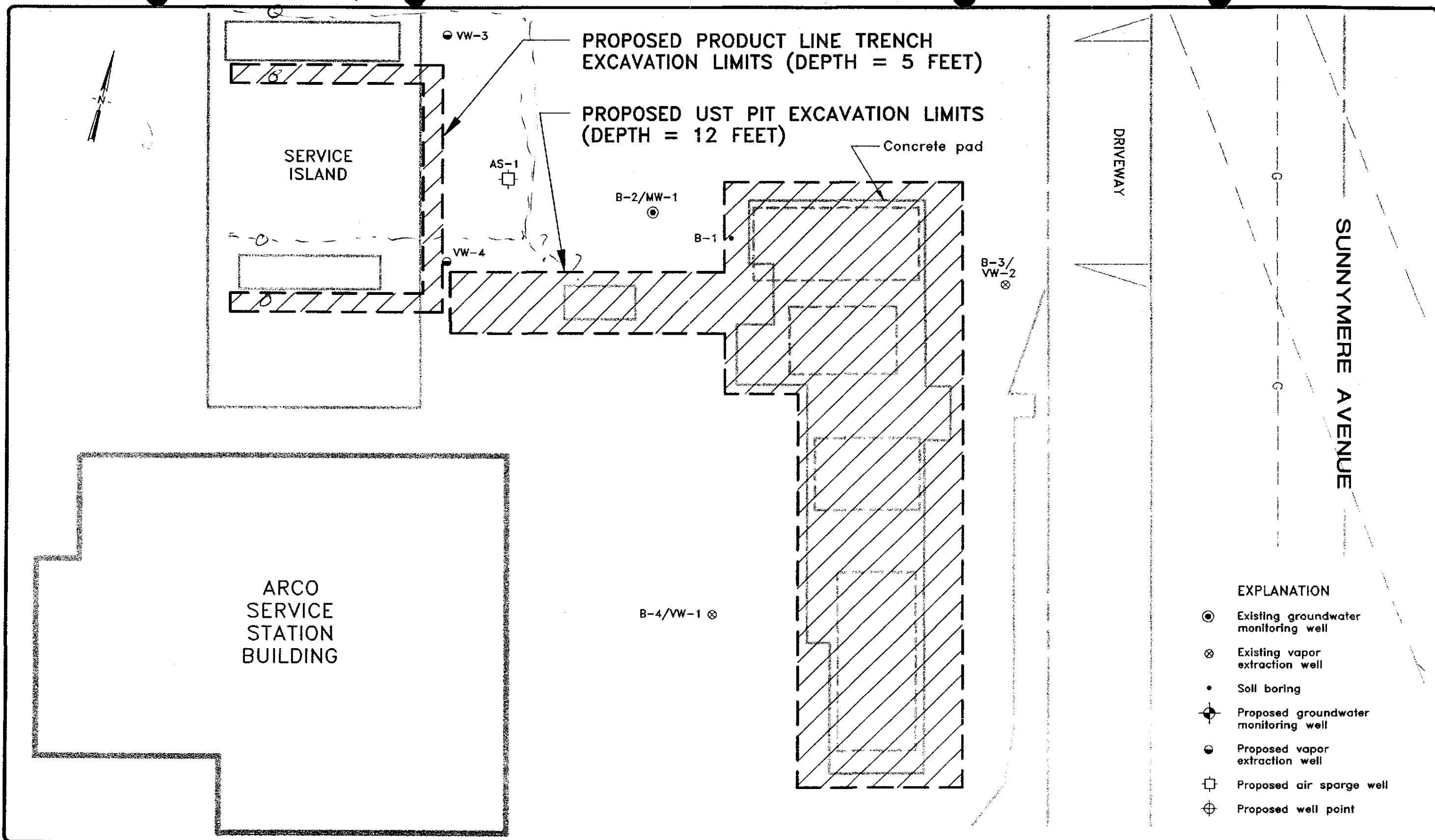


Surplus collected



EXPLANATION

- Existing groundwater monitoring well
- ⊗ Existing vapor extraction well
- Soil boring
- ⊕ Proposed groundwater monitoring well
- Proposed vapor extraction well
- Proposed air sparge well
- ⊕ Proposed well point



SCALE: 0 10 20 FEET

ARCO PRODUCTS COMPANY  
 SERVICE STATION 6002, 6235 SEMINARY AVE.  
 WORK PLAN  
 OAKLAND, CALIFORNIA

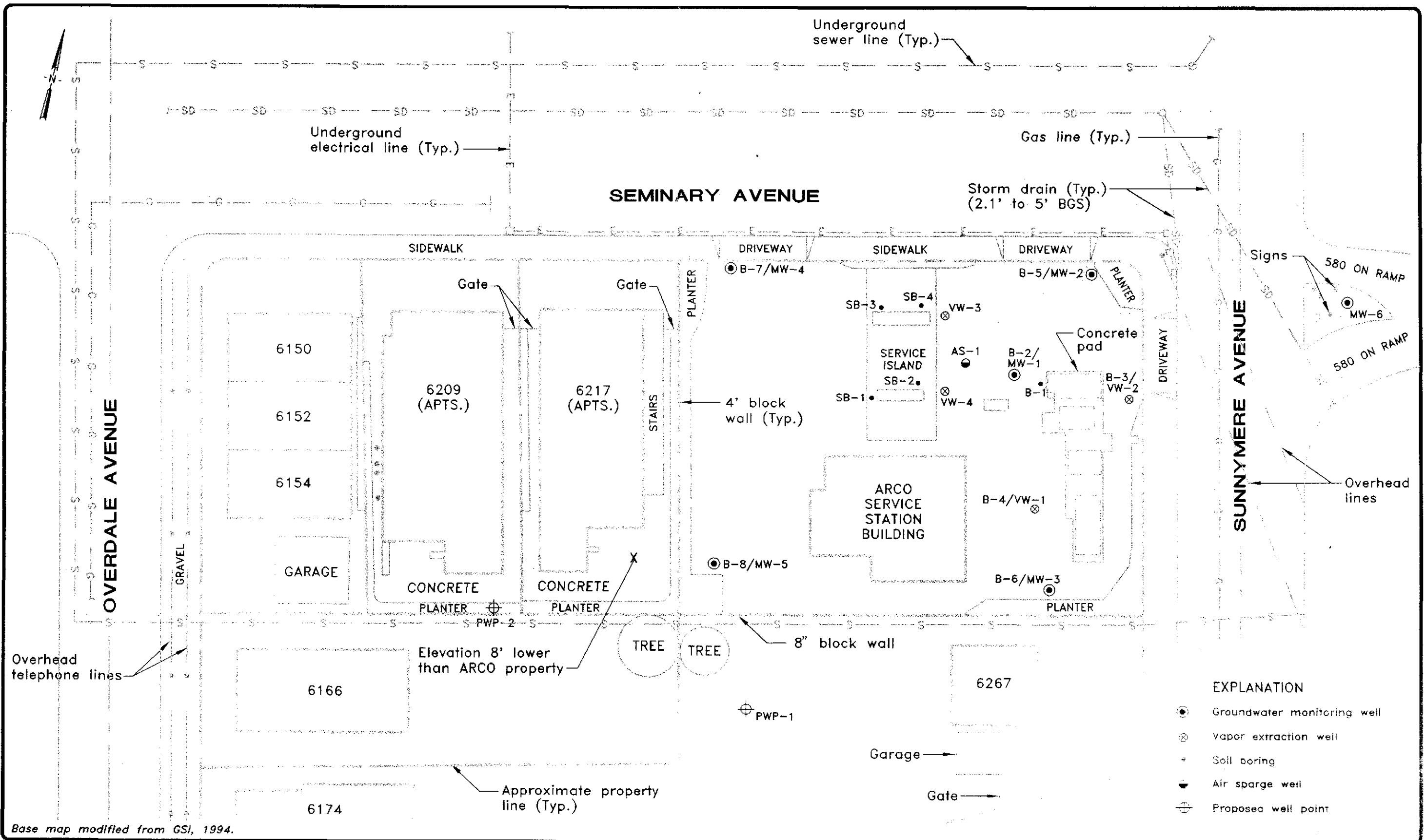
PROPOSED UST EXCAVATION LIMITS

FIGURE NO.

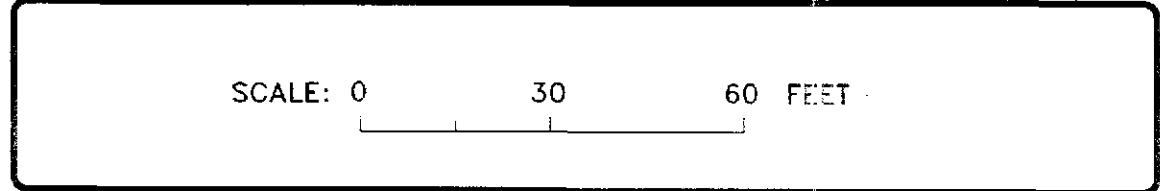
1

PROJECT NO.  
805-131.02

G:\805-131\SITEPLAN REV 0 08/31/95 12:49:24 KAJ DJ



Base map modified from GSI, 1994.



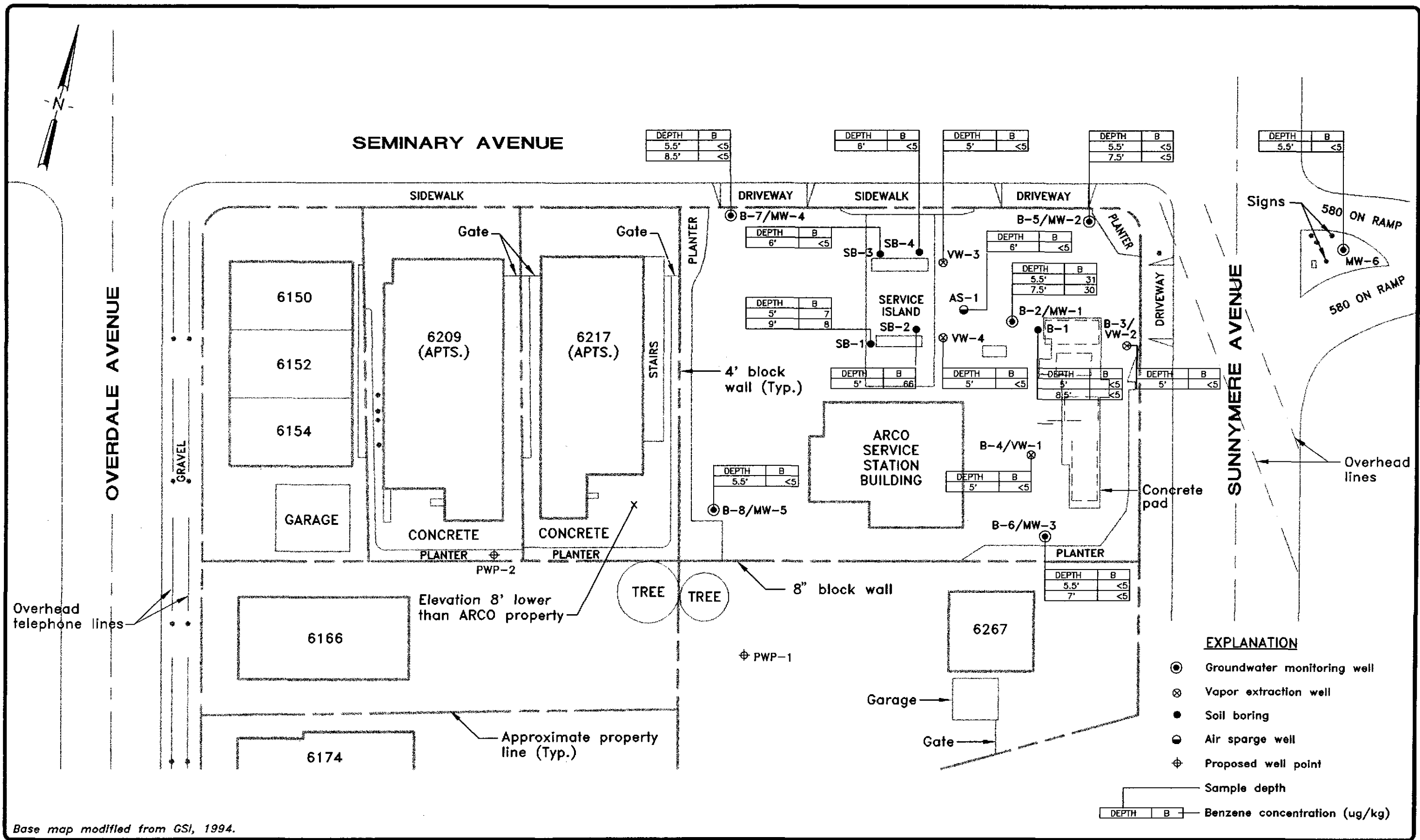
ARCO PRODUCTS COMPANY  
 SERVICE STATION 6002, 6235 SEMINARY AVE.  
 OAKLAND, CALIFORNIA

SITE PLAN

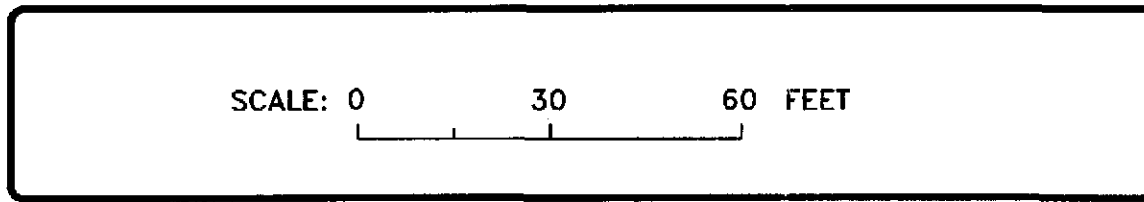
FIGURE NO.  
**1**  
 PROJECT NO.  
 805-131.02

- EXPLANATION**
- Groundwater monitoring well
  - ⊗ Vapor extraction well
  - Soil boring
  - ⊖ Air sparge well
  - ⊕ Proposed well point

G:\805-131\BENZ REV 0 03/26/96 09:14:38 DD DJ



Base map modified from GSI, 1994.

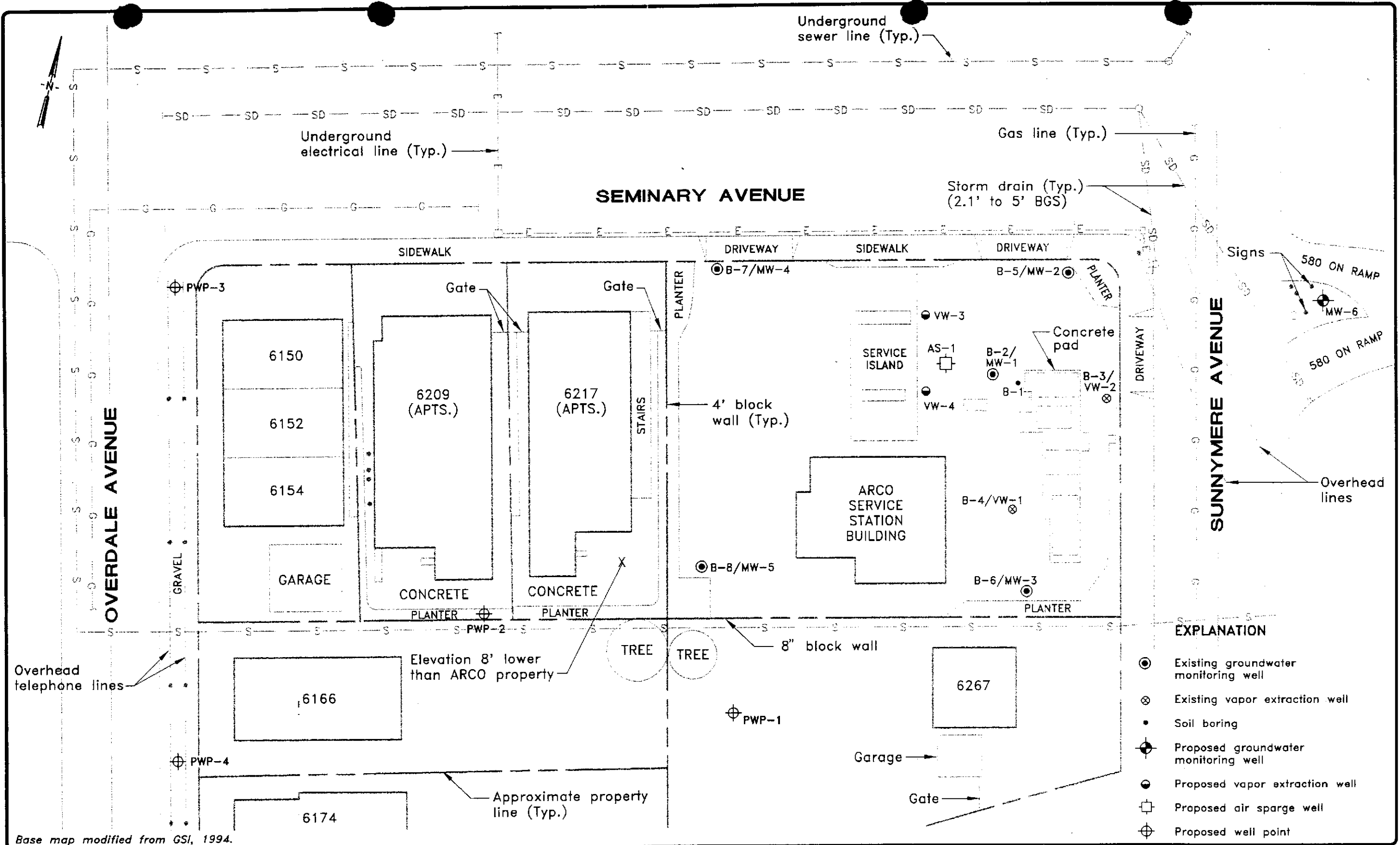


ARCO PRODUCTS COMPANY  
SERVICE STATION 6002, 6235 SEMINARY AVE.  
OAKLAND, CALIFORNIA

BENZENE CONCENTRATIONS IN SUBSURFACE SOIL (3 TO 9 FEET BGS)

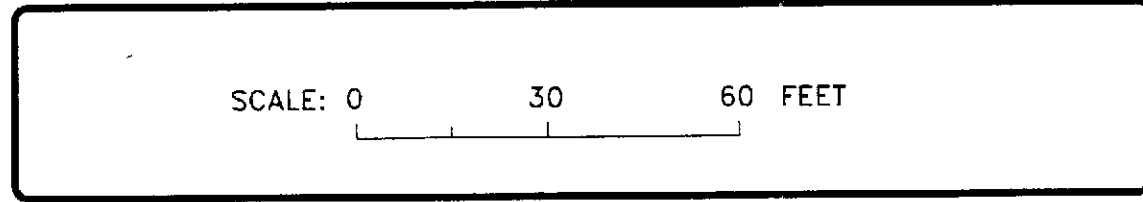
FIGURE NO.  
**2**  
PROJECT NO.  
805-131.07

:\805-131\SITEPLAN REV 0 08/11/95 12:49:24 KMM DJ



- EXPLANATION**
- ⊙ Existing groundwater monitoring well
  - ⊗ Existing vapor extraction well
  - Soil boring
  - ⊕ Proposed groundwater monitoring well
  - Proposed vapor extraction well
  - ⊠ Proposed air sparge well
  - ⊕ Proposed well point

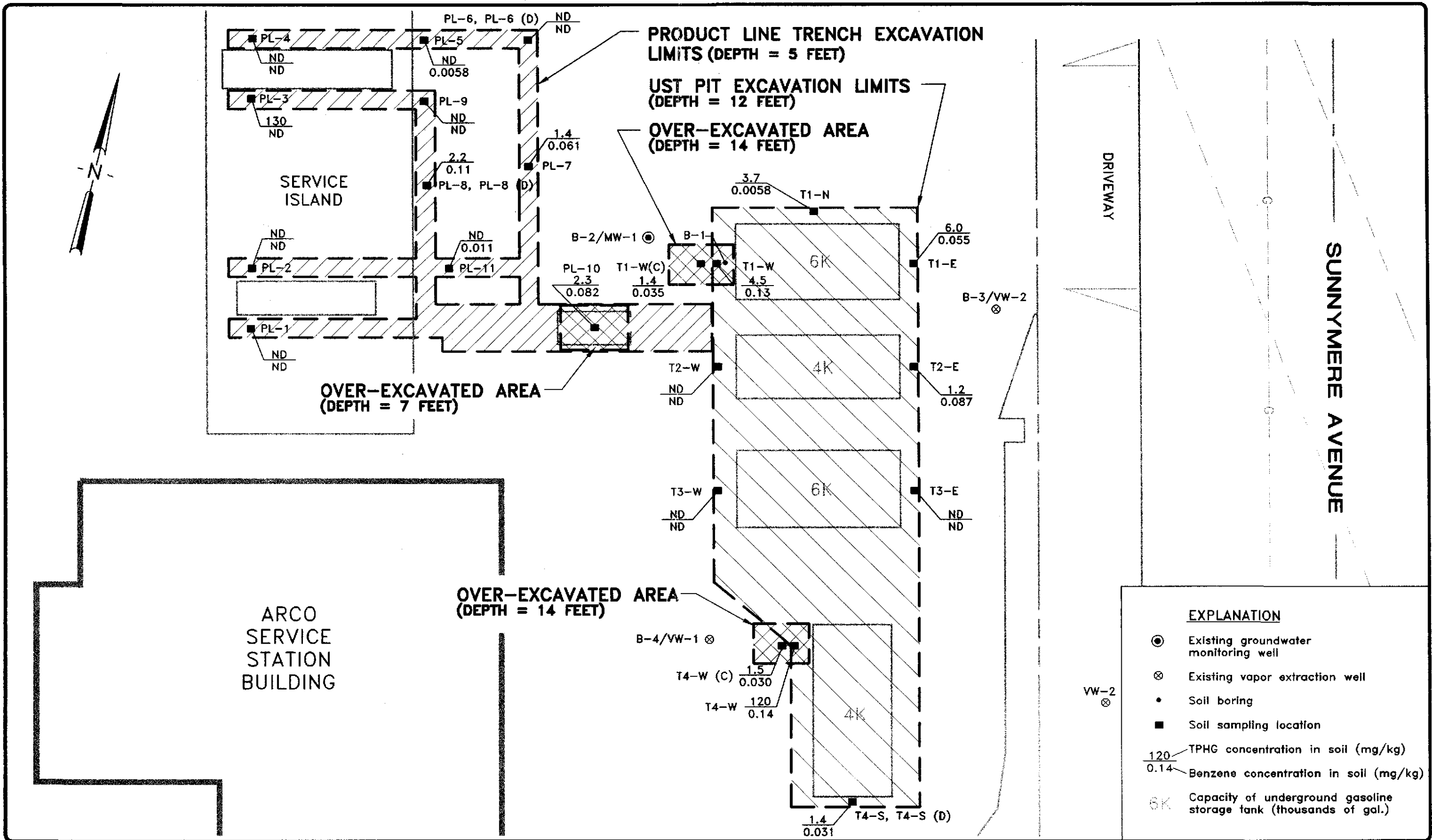
Base map modified from GSI, 1994.



ARCO PRODUCTS COMPANY  
 SERVICE STATION 6002, 6235 SEMINARY AVE.  
 OAKLAND, CALIFORNIA

SITE PLAN

FIGURE NO.  
**1**  
 PROJECT NO.  
 805-131.02



SCALE: 0 10 20 FEET

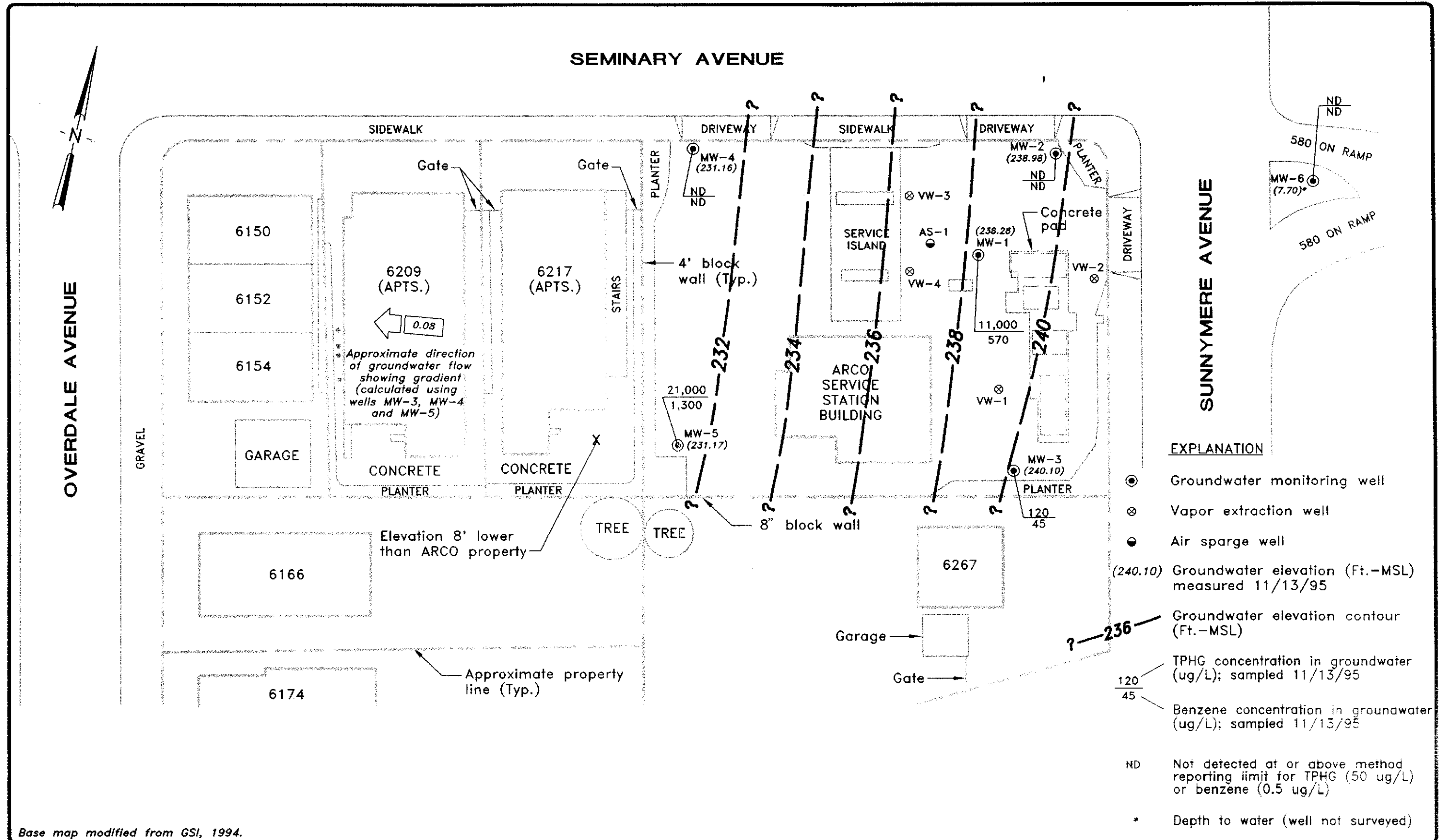
ARCO PRODUCTS COMPANY  
 SERVICE STATION 6002, 6235 SEMINARY AVE.  
 UNDERGROUND STORAGE TANK REMOVAL  
 OAKLAND, CALIFORNIA

TPHG AND BENZENE CONCENTRATIONS WITHIN EXCAVATION

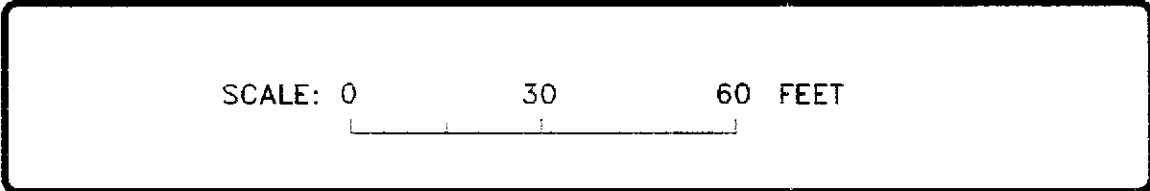
FIGURE NO.

2

PROJECT NO.  
 805-131.007



- EXPLANATION**
- Groundwater monitoring well
  - ⊗ Vapor extraction well
  - Air sparge well
  - (240.10) Groundwater elevation (Ft.-MSL) measured 11/13/95
  - Groundwater elevation contour (Ft.-MSL)
  - 120 / 45 TPHG concentration in groundwater (ug/L); sampled 11/13/95
  - 120 / 45 Benzene concentration in groundwater (ug/L); sampled 11/13/95
  - ND Not detected at or above method reporting limit for TPHG (50 ug/L) or benzene (0.5 ug/L)
  - \* Depth to water (well not surveyed)



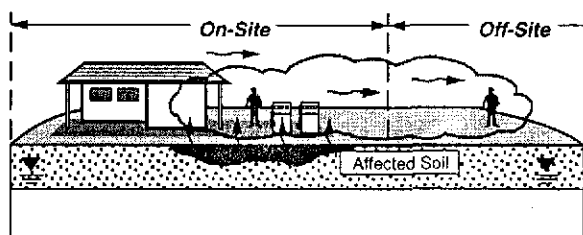
ARCO PRODUCTS COMPANY  
SERVICE STATION 6002, 6235 SEMINARY AVE.  
QUARTERLY GROUNDWATER MONITORING  
OAKLAND, CALIFORNIA

GROUNDWATER DATA  
FOURTH QUARTER 1995

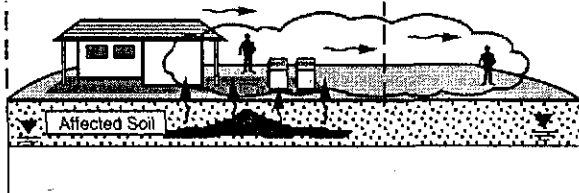
FIGURE NO.  
**2**  
PROJECT NO.  
805-131.03

**AIR EXPOSURE PATHWAYS**

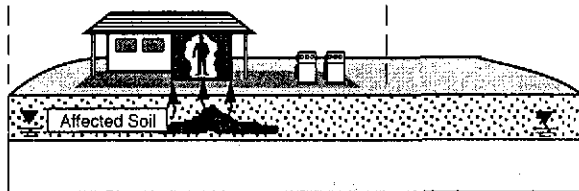
1) Surface Soils: Vapor Inhalation and Dust Ingestion (I)



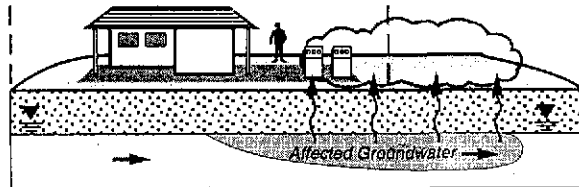
2) Subsurface Soils: Volatilization to Ambient Air (I)



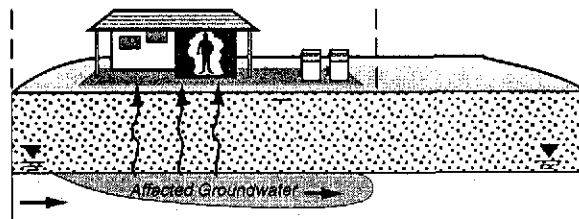
3) Subsurface Soils: Volatilization to Enclosed Space (I)



4) Groundwater: Volatilization to Ambient Air (I)

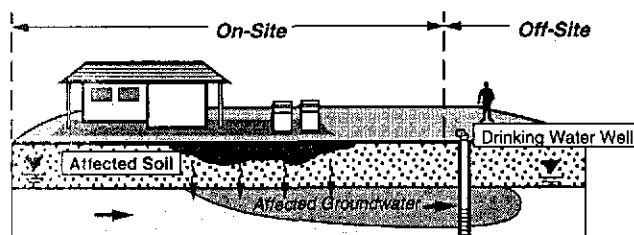


5) Groundwater: Volatilization to Enclosed Space (I)

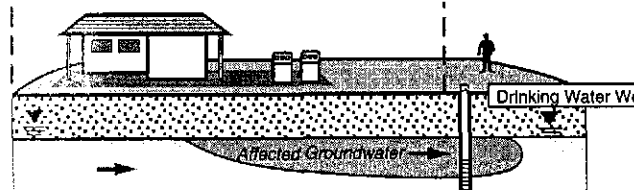


**GROUNDWATER EXPOSURE PATHWAYS**

6) Soil Leaching to Groundwater: Ingestion (I)

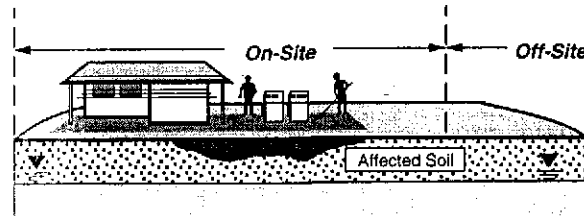


7) Dissolved or Free-Phase Groundwater Plume: Ingestion (D/I)



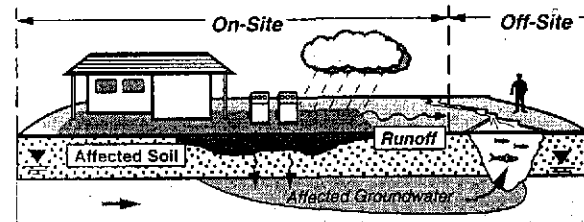
**SOIL EXPOSURE PATHWAYS**

8) Surface Soils or Sediments: Dermal Contact and/or Ingestion (D)

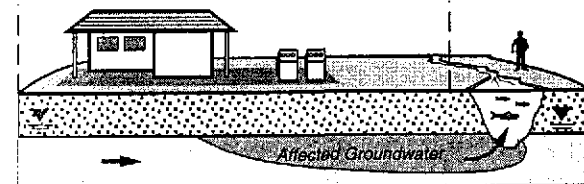


**SURFACE WATER EXPOSURE PATHWAYS**




9) Soil Leaching to Groundwater / Discharge to Surface Water: Contact Recreation / Consumption of Fish (I)



10) Groundwater Plume Discharge to Surface Water: Contact Recreation / Consumption of Fish (I)



NOTE: In Tier 1, point of exposure (POE) assumed to be on-site. In Tiers 2 and 3, POE can be on-site and/or off-site.

-  = Potential point of human exposure (i.e., on-site or off-site).
-  = Potential point of ecological exposure.
-  = Construction worker
- (D) = Direct exposure pathway, i.e., POE = same medium and location as source.
- (I) = Indirect exposure pathway, i.e., POE = different medium or location from source.

**FIGURE 7. TYPICAL EXPOSURE PATHWAYS FOR TIER 1 AND TIER 2 EVALUATIONS**