

INVESTIGATION REPORT

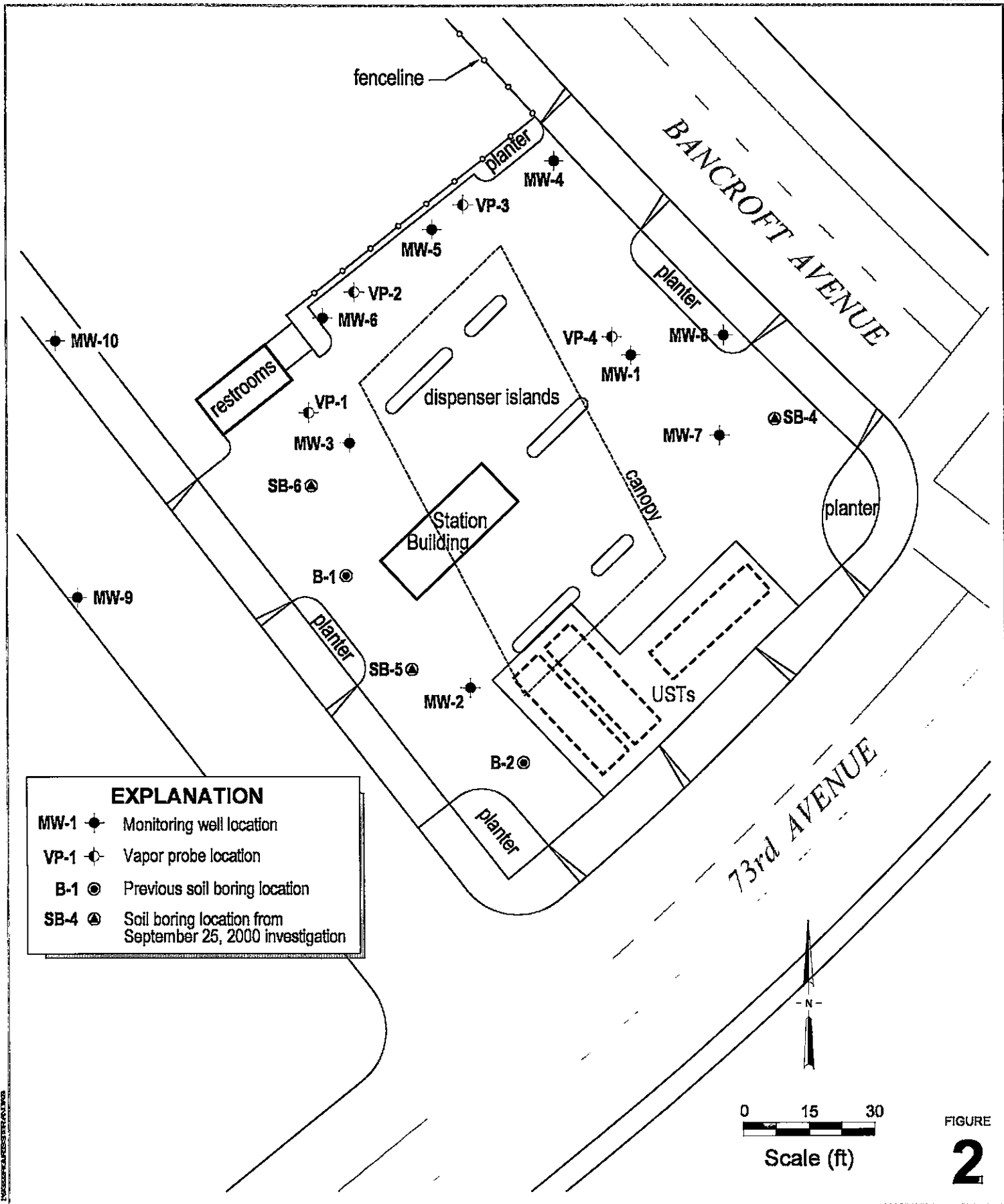
FIGURE 2

Chevron Service Station 9-1851
 451 Hegenberger Road
 Oakland, California



C A M B R I A

Site Plan



Chevron Service Station 9-3322

7225 Bancroft Avenue

Oakland, California



C A M B R I A

Site Plan

EXPLANATION	
MW-1	Monitoring well location
B-1	Soil boring location
P-1	Soil sample location

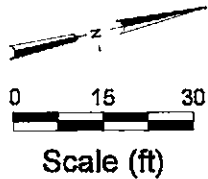
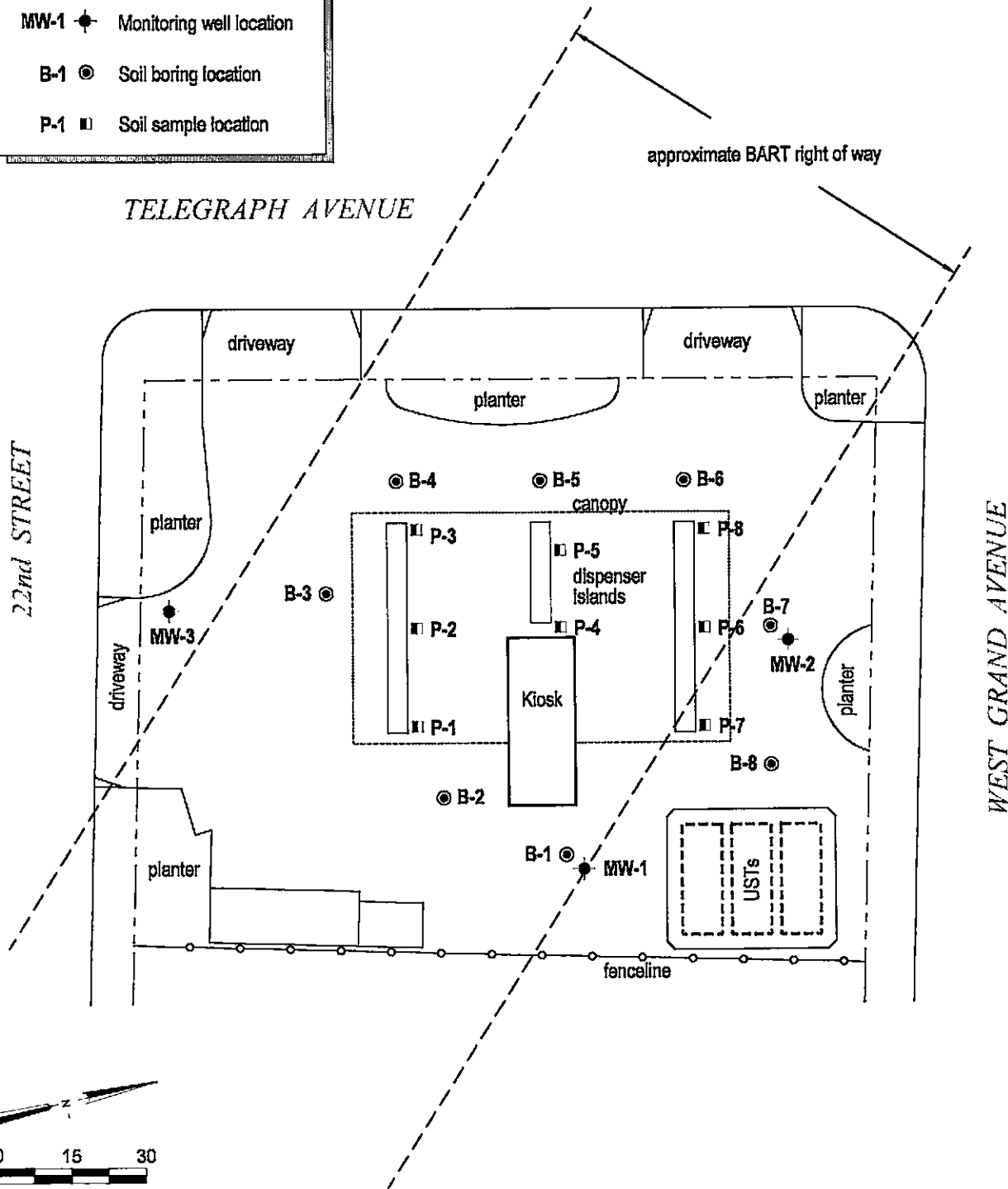


FIGURE 2

Basemap modified from drawing provided by Gettler-Ryan Inc.

Chevron Service Station 9-3600
 2200 Telegraph Avenue
 Oakland, California



C A M B R I A

Site Plan

EXPLANATION	
B-A	Soil boring location
MW-7	Monitoring well location
MW-1	Abandoned well location

Basemap from Gettler-Flynn Inc.

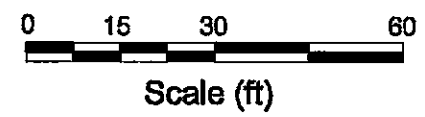
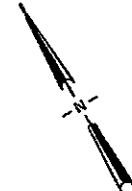
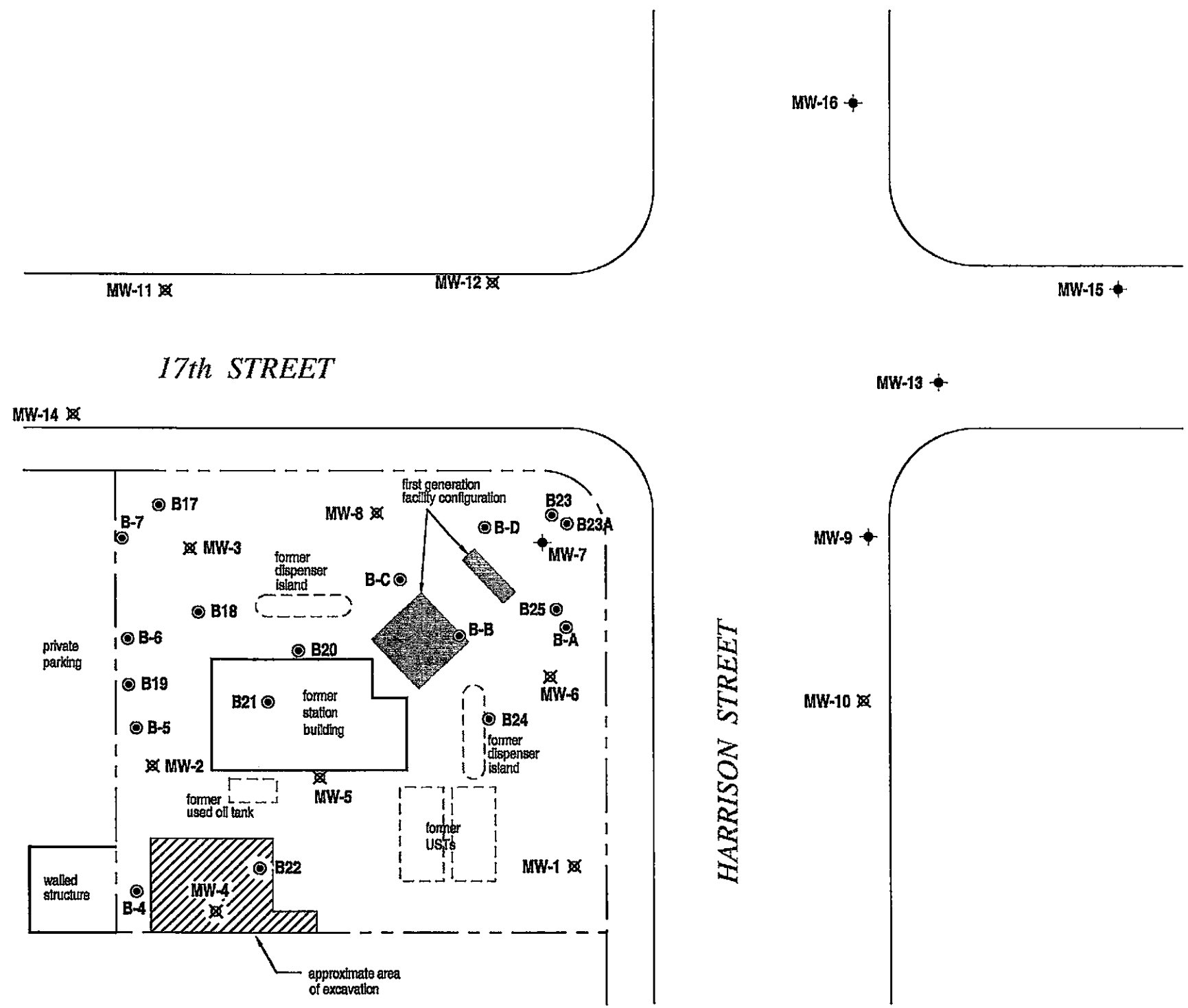


FIGURE 2

Site Plan



Former Chevron Station 9-0020
 1633 Harrison Street
 Oakland, California

15-0020 OAKLAND CHEVRON SITE PLAN.DWG

EXPLANATION	
MW-1	Monitoring well location
MW-2	Destroyed monitoring well location

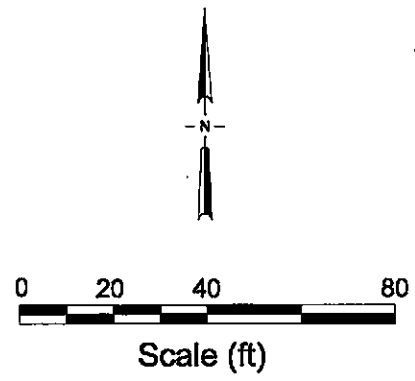
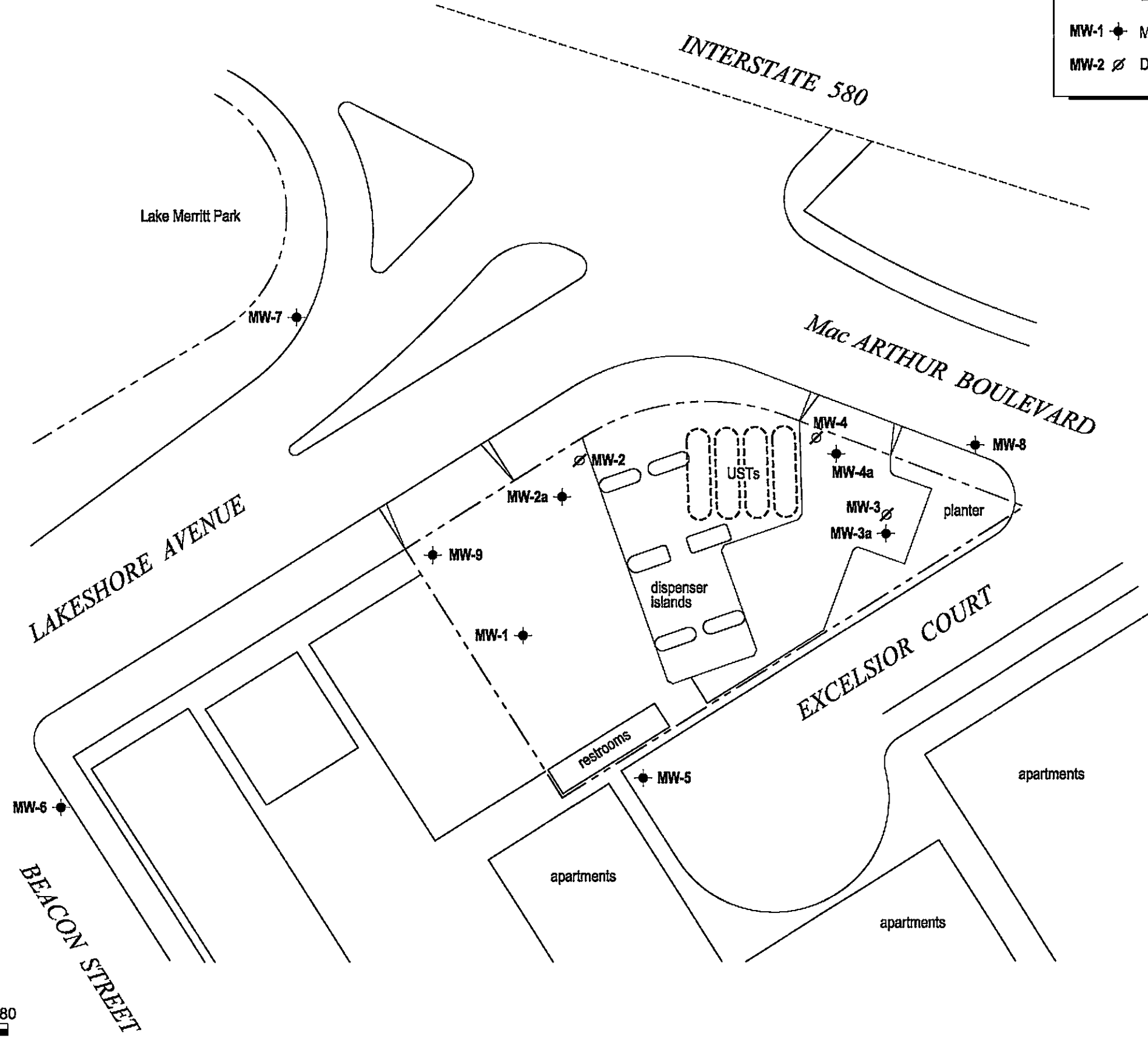


FIGURE
2

19-0121 OAKLAND/RES/STEP/PLAN.DWG



FOOTHILL BOULEVARD

EXPLANATION	
MW-1	Monitoring well location
MW-5	Monitoring well to be used for DPE
DVE-9	Terra-Vac DVE well to be deepened and converted to DPE well
DVE-1	Terra-Vac inactive DVE well location
TMP-1	Temporary monitoring well location, to be destroyed
VP-1	Vapor probe location

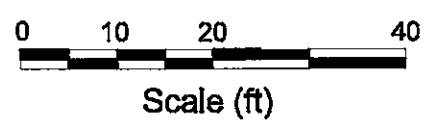
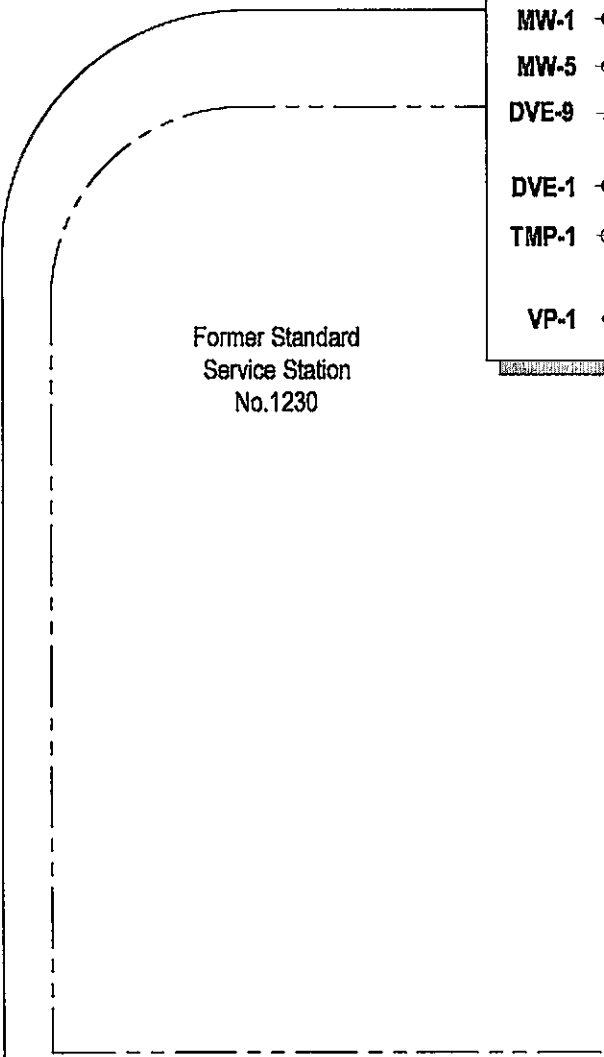
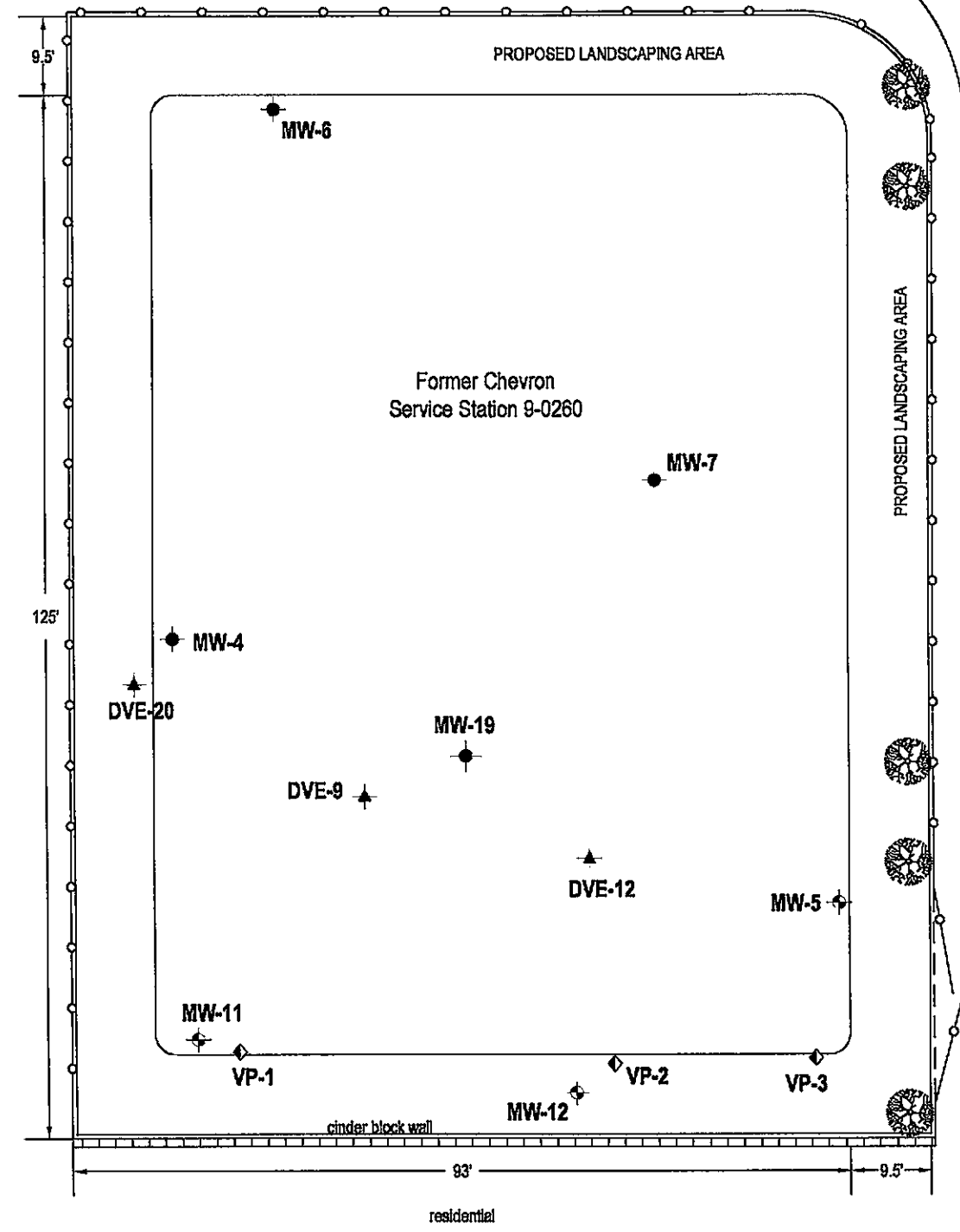


FIGURE 2

I:\9-0260 HAYWARD\FILES\SYSTEM DESIGN\PROF-DPE-WEELS 1-06.DWG

Proposed Treatment System
Extraction Wells



C A M B R I A

Former Chevron Station 9-0260
21995 Foothill Boulevard
Hayward, California

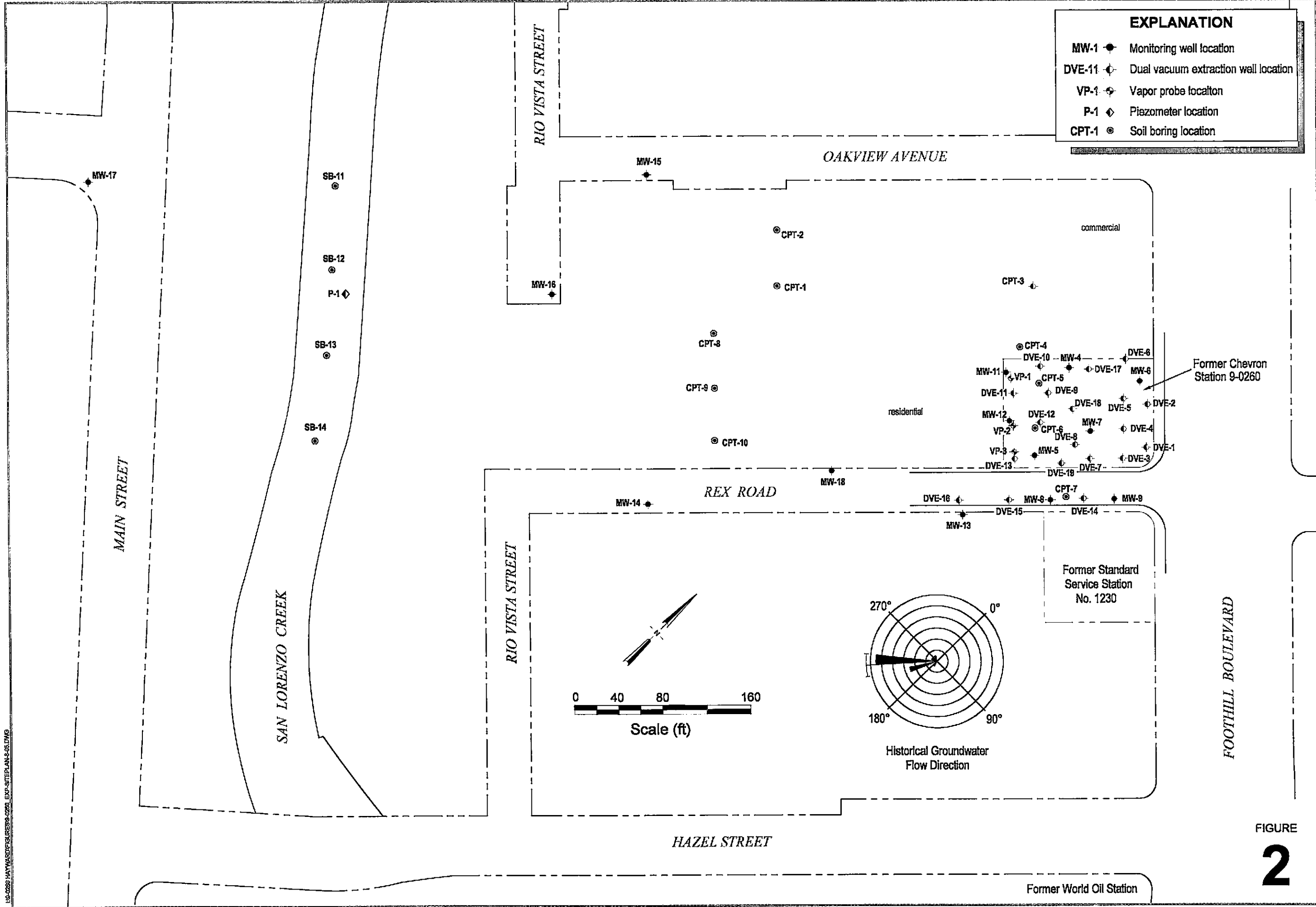
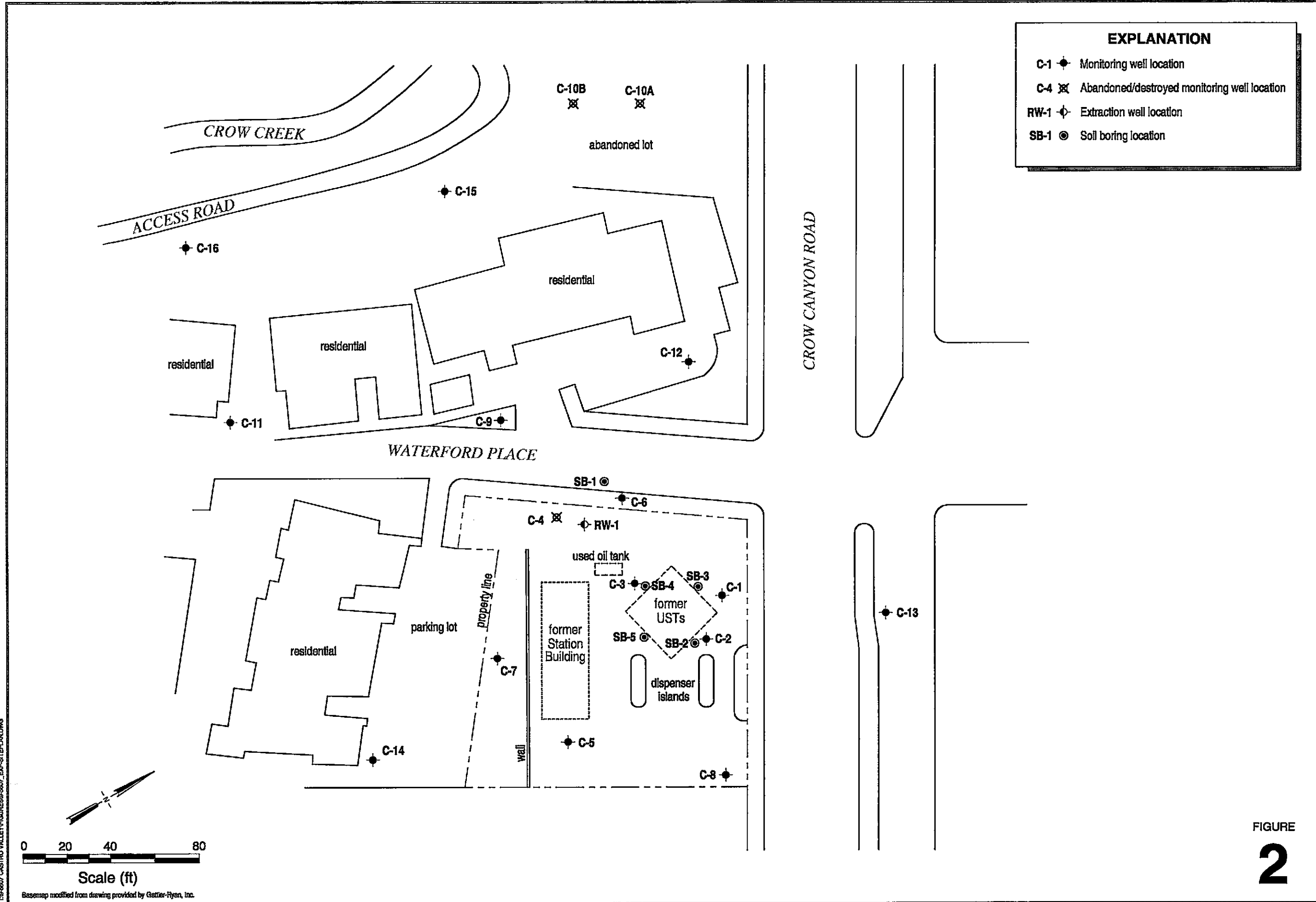


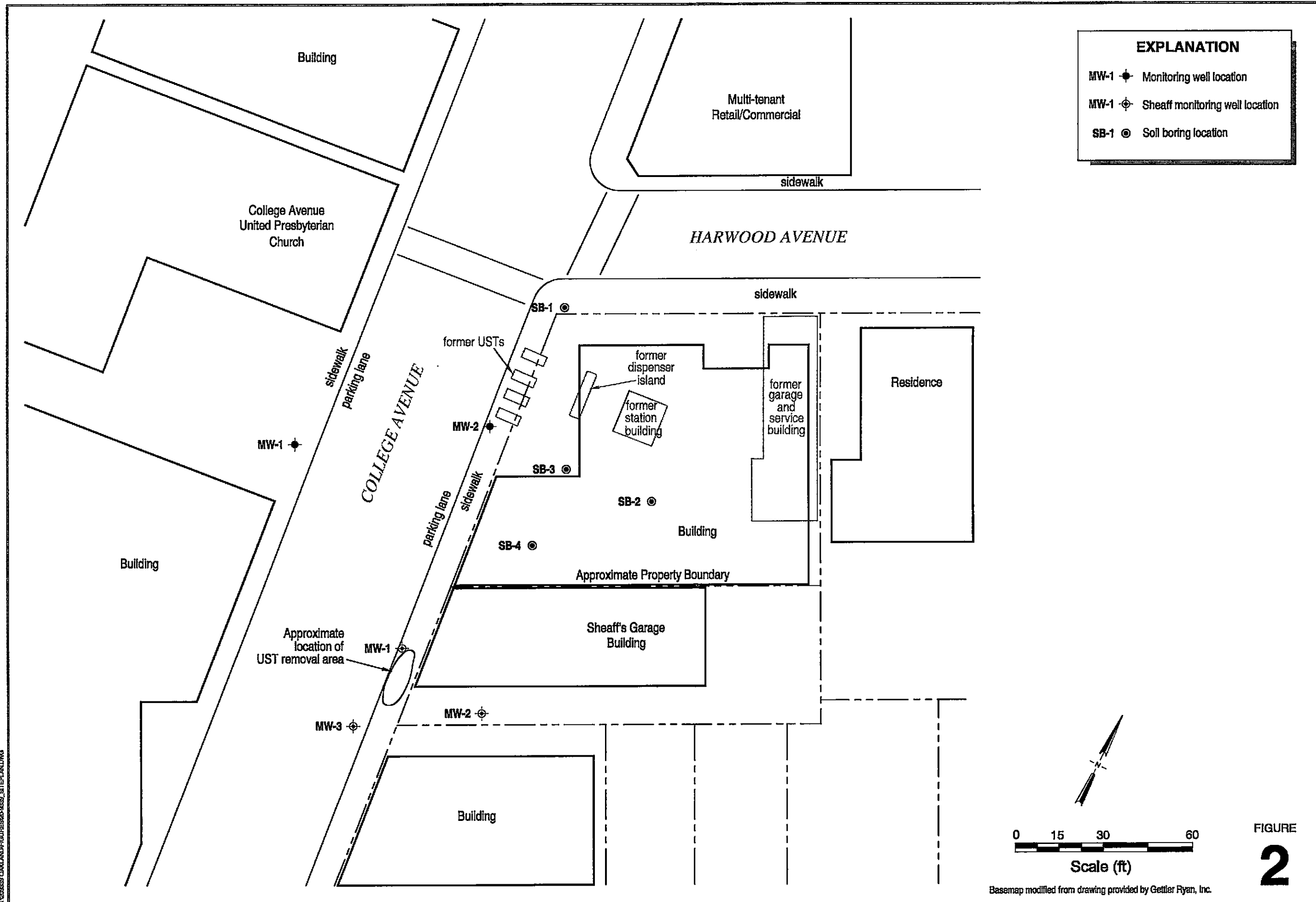
FIGURE 2



130-0260 HAYWARD\PCS\REPS\0260_EXP_SITPLAN-5-05.DWG



1:9-4937 CASTRO VALLEY FIGURE 9-5607_EXP-STEP PLAN DWG



1403333 OAKLAND/PULPERS/00-8839 SITE PLAN.DWG

Site Plan



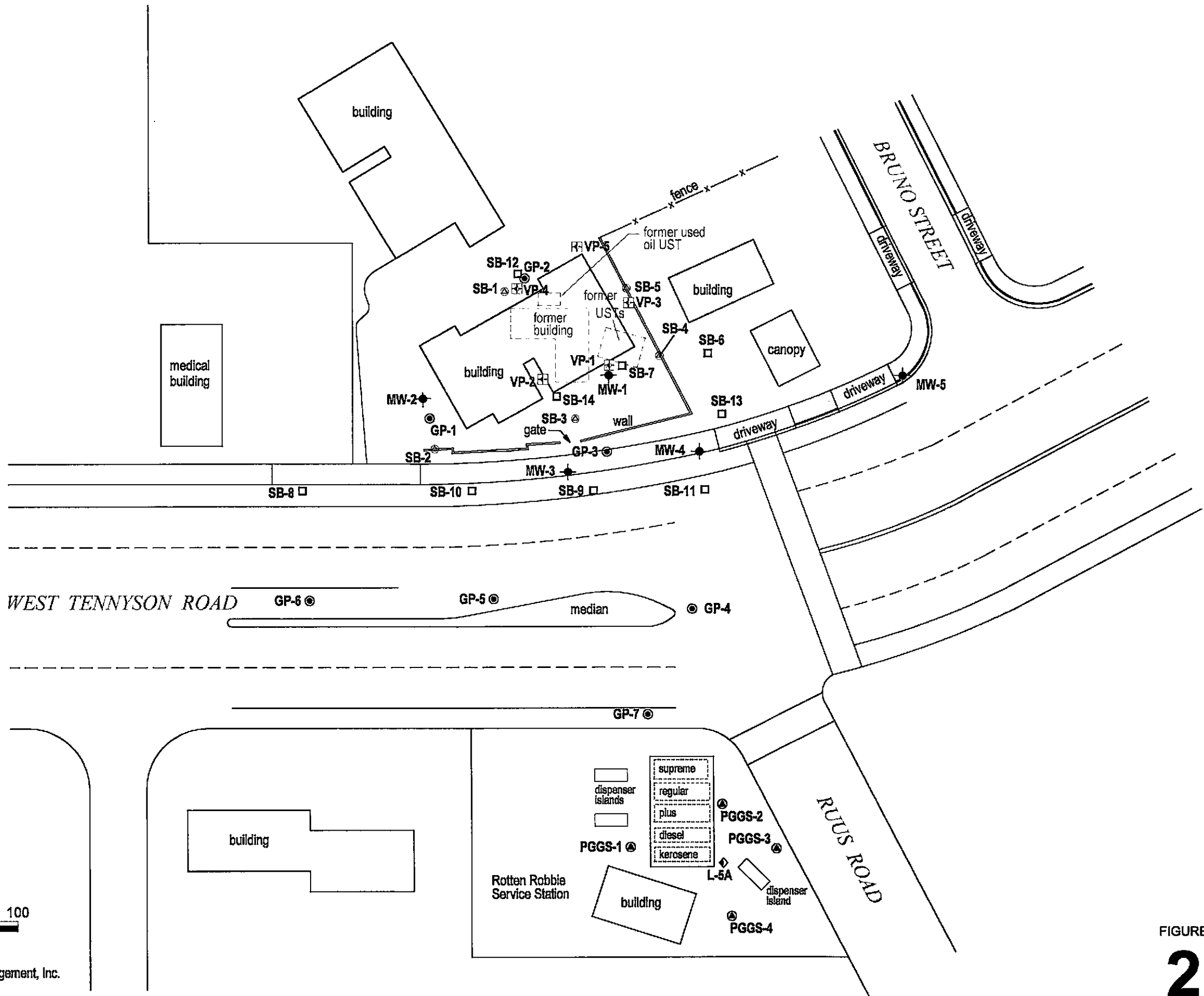
C A M B R I A

Former Chevron Station 20-9339

5940 College Avenue
Oakland, California



- EXPLANATION**
- SB-8 □ Soil borings installed June 2005 (Cambria)
 - GP-1 ● Geoprobe boring installed October 2001 (KHM)
 - SB-1 ⊕ Geoprobe boring installed June 2001 (AEI)
 - PGGS-1 ⊕ Soil borings installed February 2000 (ATC for Rotten Robbie)
 - L-5A ◆ Soil borings installed March 1999 (ATC for Rotten Robbie)
 - MW-5 ◆ Monitoring well location
 - VP-1 □ Proposed soil vapor probe



Basemap Source: KHM Environmental Management, Inc.

FIGURE
2

13/2141 HAYWARD\GURESD\2141_PROPOSED SOIL VAPOR PROBES.DWG

EXPLANATION	
SB-13	● Soil boring location (Cambria 2005)
B-1	⊕ Monitoring well location
SB-12	⊙ Soil boring location
B-4	⊗ Abandoned well location
—	Electrical line
- - -	Storm Drain
- · - · -	Sanitary Sewer line
- · - - -	Water line
- · - · - · -	Gas line
- · - - - · -	Communications line
⊕	Fire hydrant
⊙	Manhole
■	Drain inlet

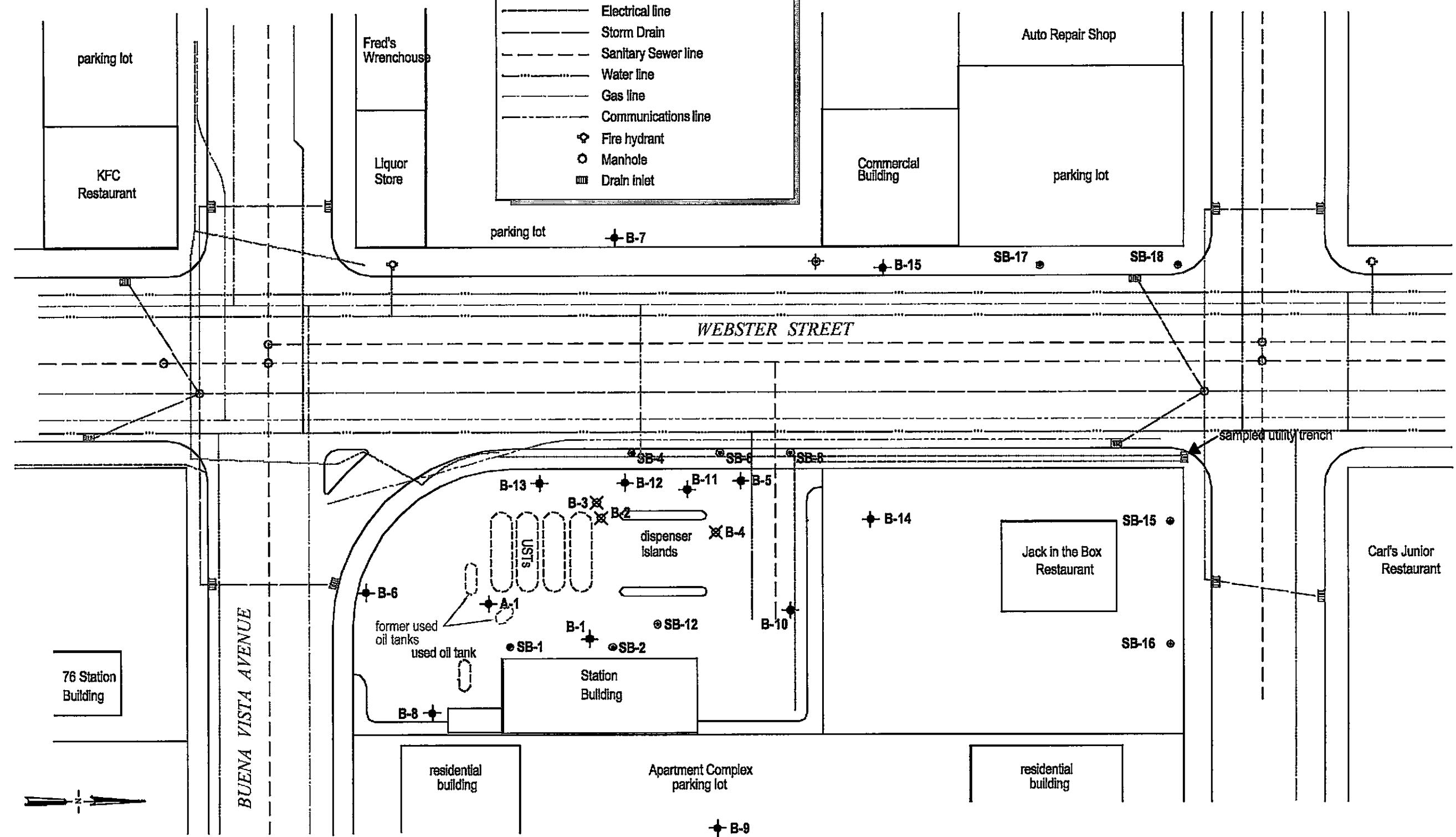
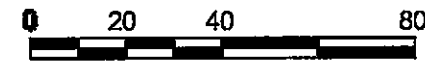


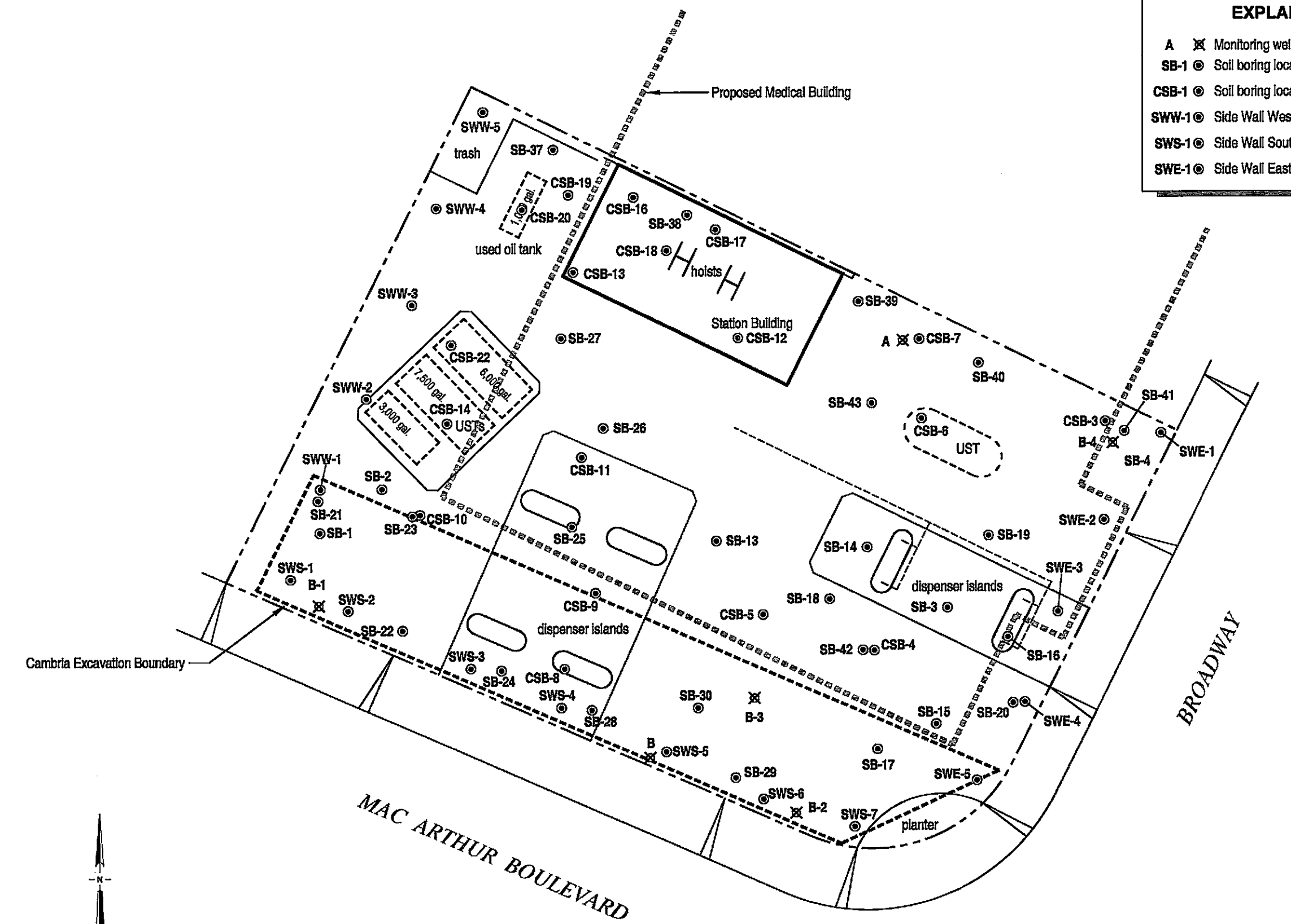
FIGURE
2



Scale (ft)

Basemap modified from drawing provided by Gettler Ryan Inc.

EXPLANATION	
A	Monitoring well pressure grouted June 2006
SB-1	Soil boring location (Secor 2006)
CSB-1	Soil boring location (Cambria 2006)
SWW-1	Side Wall West (Cambria 2006)
SWS-1	Side Wall South (Cambria 2006)
SWE-1	Side Wall East (Cambria 2006)



Site Plan with
Excavation Boundaries



Chevron Service Station 9-1026
3701 Broadway
Oakland, California

FIGURE
3

Alameda County Environmental Health Project List

Site Number	RO Number	Address	Why It's Important	CVX Actions/Submittals	Date	ACEH Comments	ACEH Actions	What we still need from ACEH/CVX	Date needed	CVX Contact	ACEH Priority	CVX Priority
9-0020	143	17th and Harrison Sts.	Site will be redeveloped in 2007. Per a phone call in 02/07, OHA has told Chevron that they will not be constructing underground parking.	Additional investigation report submitted (10/04) with recommendation to over-excavate impact in vicinity of MW-7 when redevelopment occurs. After construction, will submit plan for closure.				Review and comment on report		Satya Sinha	2	2
9-0076	427	4265 Foothill Blvd.	High concentrations of benzene in C-2 and C-4, both at 1800 ug/l. C-4 is along downgradient property line, near a residence.	Installed and sampled 3 vapor probes at 5 fbg along downgradient property boundary. No benzene in any of the vapor samples. There is a water zone at 6 fbg. Check into joint monitoring with ConocoPhillips.						Satya Sinha	1	2
9-0121	284	3026 Lakeshore Ave.	Reported vapors in basement of adjacent building owned by the Diocese of Oakland (never verified after 1980 and installation of vertical barrier). Performed offsite investigation downgradient and toward Lake Merritt. According to ACPWA, MW-7 was destroyed during reconstruction of culvert. Also, all groundwater is diverted into culvert in middle of Lakeshore Drive. Found upgradient open LUFT case at Union oil/Tosco site, less than 1/8 mile upgradient with GW release.	Working on access agreement with Diocese of Oakland. Once signed, will go in and sample sump (also for nitrates).	2Q07					Satya Sinha	1	1
9-0260	383	21995 Foothill Blvd.	GW with benzene and MTBE. City of Hayward would like to see site redeveloped.	Installation of remediation system with start-up in March/April 2007. Working on offsite work plan to investigate vapor risk to downgradient residents plus installation of 'deep' wells onsite and offsite. Also plan to change monitoring well sampling to semi-annual.	2Q07					Satya Sinha	1	1
9-0290	195	1802 Webster St.	Moderate concentrations of TPHg, TPHd, benzene, and MTBE beneath and downgradient of site. MTBE migrating onsite from upgradient BP station.	SSI report to be submitted by 03/05/07				Review and comment on report.		Satya Sinha	1	2
9-0329	269	340 Highlands Way	ACEH priority due to City request	Completed hand augered borings on- and offsite. Sampled City well in park in 01/07. The well is actually cross-gradient (east) and across a creek that runs north-south through the park. TPHd was detected and determined by the lab to be diesel and not degraded gasoline. Diesel was never sold at the site, but there was a release from the City of Piedmont (pre-1993). There does not appear to be any offsite migration, nor any data gaps. Chevron would like closure for the site.						Satya Sinha	2	3

Alameda County Environmental Health Project List

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9-1026	500	3701 Broadway	Kaiser redeveloping property	Chevron completed there part of excavation and submitted report. Waiting for Kaiser to begin their phase of redevelopment. Well E and F, on MacArthur, were repaired and monitoring reinitiated. Will reinstall wells onsite once excavation is complete.	01/22/07					Satya Sinha	1	1
9-1153	341	3135 Gibbons Dr./ 3126 Fernside Blvd.	SPH present in 1 well onsite	Would like to take to Chevron peer review (RSRT) in May.	05/07					Satya Sinha	1	1
9-1851	464	451 Hegenberger Dr.	4Q06 QMR, all constituents in all wells were all ND, except for MTBE.	Would like to see closure or transfer to MT.		Appears there may be ongoing release, possibly vapor since MTBE is major				Satya Sinha	3	3
9-3322	274	7225 Bancroft Ave.	SPH present in 1 well onsite and high dissolved concentrations in adjacent well. Possible vapor issues due to downgradient residences.	Plan on injecting surfactant into MW-1 and MW-7, and then injecting hydrogen peroxide to clean up surrounding area. This will take place when gw is at its highest in April/May 2007. RAP submitted in 10/07. Need to submit addendum, stating above. Vapor probes were installed and have been sampled. Performing risk assessment on 3 rounds of vapor sampling. Will submit risk assessment.				Review and comment on RAP		Satya Sinha	1	1
9-3600	2435	2200 Telegraph Ave		Closure request to be submitted in 03/07						Satya Sinha	2	3
9-5607	350	5269 Crow Canyon Rd.	High dissolved concentrations and downgradient receptors, including residences and a creek. What are conditions for ceasing remediation and for subsequent closure?	Installation of remediation system with start-up in 3rd quarter 2007. This may be delayed due to seismic issues and rebuilding of retaining wall. Remediation system will include offsite wells near townhomes. RAP submitted in 01/07 and approved by ACEH in 02/07.				Cleanup criteria for system shut-down.		Satya Sinha	1	1
20-6145	454	800 Center St.	High concentrations of benzene in onsite soils. This may now be a gw and soil issue, therefore major excavation is not best remedial response. Looking into other options, including limited excavation with remediation system. Owner still has not given finalized redevelopment plans.	SSI work plan to ACEH by 03/06/07 for confirmation sampling. Work is scheduled for 03/13-03/15. 10 borings to 20 fbg with soil and water sampling. Letter to ACEH describing reasons why excavation of the site is not the best strategy by 03/06/07.		ACEH requested FS/CAP by 03/06/07				Satya Sinha	1	1
20-9339	466	5940 College Ave.	Minor residual impact from former Texaco. Majority of impact appears to be from adjacent auto repair facility.	Closure request to be submitted by 06/07						Satya Sinha	3	3
21-2141	2563	723 W. Tennyson Rd./ 27771-96 Vasona Ct.		Owner received letter of habitability from City of Hayward to allow for sale of condos. Site closure or transfer to MT?						Satya Sinha	2	3
21-1253		930 Springtown Blvd.		Just received letter from J. Wickham opening case. Work plan due to ACEH by 04/19/07 re: data gaps						Satya Sinha		
30-7233		2259 First St.	Possibility of 2 USTs under southwestern section of park. Received letter from ACEH stating that the tanks need to be removed ASAP.	Underground Tank Closure Plan due to ACEH by 03/07/07.						Satya Sinha		

Alameda County Environmental Health Project List

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9-3676	1094	4300 MacArthur Blvd.		Closure request in 1999, but status is still open. Verify status.						Satya Sinha		
9-4816	290	301 14th Ave.		Closed						Satya Sinha		
9-9708	124	5910 MacArthur Blvd.		No action						Satya Sinha		
30-4291	2611	3884 1st. St.		Closed						Satya Sinha		
21-1283	56	3800 Broadway Terrace		Closure or transfer to MT.						Satya Sinha	3	3
100-1096		Oakland Airport	RWQCB Site							Satya Sinha		