



Delta
Environmental
Consultants, Inc.

November 13, 2002

Mr. Robert Cave
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, California 94109

Subject: *Request for Approval of Three-Day Dual-Phase Extraction High Vacuum Pilot Test*
Former Chevron Service Station No. 9-0260
21995 Foothill Boulevard
Hayward, California
Delta Project No. DG90-260

Dear Mr. Cave:

At the request of Chevron Products Company, Delta Environmental Consultants, Inc. (Delta) is requesting your approval of a three-day dual-phase extraction high vacuum pilot test at the subject site (Figures 1 and 2). The test is being performed to obtain pertinent design information for a potential future remediation system. The test is scheduled to start on November 25, 2002 and run continuously for three days through November 27, 2002. The test will consist of connecting a mobile dual-phase extraction high vacuum thermal/catalytic oxidizer unit up to monitoring well MW-4. The mobile unit will consist of a Solleco 20 HP oil ring 350 CFM MTS or equivalent propane fired thermal/catalytic oxidizer. Electricity will be supplied with a 45 KVA diesel powered generator.

Extracted soil vapors will be treated by the thermal/catalytic oxidizer prior to atmospheric discharge. At a minimum, an influent vapor sample will be collected at start-up and at the conclusion of the test. System influent and effluent daily field readings will be collected by a flame or photo ionization detector calibrated to hexane. Vapor samples will be collected and submitted to a California-certified analytical laboratory for analyses of BTEX and TPH as gasoline using EPA Methods 8021 and 8015 Modified, respectively. Vapor flow rates will be measured daily.

Extracted groundwater will be pumped into a closed top 21,000-gallon holding tank and ultimately discharged to the sewer under permitted conditions. Prior to discharge, a permit from the Oro Loma Sanitation District will be obtained. Figure 3 presents the process flow diagram of the pilot test.

Alameda County
NOV 18 2002
Environmental Health

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Rancho Cordova, CA 95670-6021
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Alameda County
NOV 18 2002
Environmental Health


If you have any questions regarding the information in this letter please contact Steven Meeks at (916) 536-2613.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.



William Slowik
Staff Scientist



Steven W. Meeks, P.E.
Senior Engineer

SWM (CL002.9-0260 BAAQMD Request)
Enclosures

cc: Ms. Karen Streich – Chevron Products Company
Mr. Amir Gholami – Alameda County Health Care Services Agency
Mr. Jim Brownell – Delta Environmental Consultants, Inc.



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 HAYWARD, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION

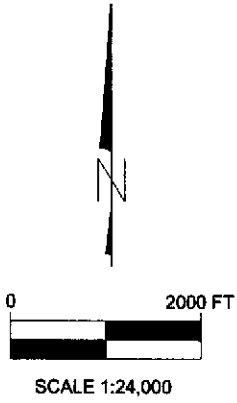


FIGURE 1

SITE LOCATION MAP

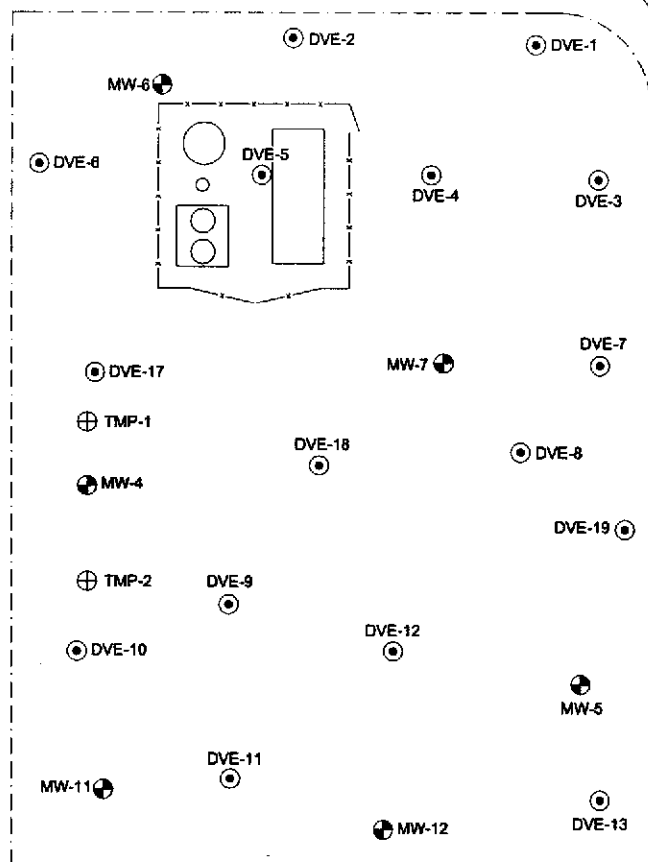
FORMER CHEVRON STATION NO. 9-0260
 21995 FOOTHILL BOULEVARD
 HAYWARD, CA.

PROJECT NO. DG90-260	DRAWN BY M.L. 9/17/02
FILE NO. DG90260A	PREPARED BY W.S.
REVISION NO. 1	REVIEWED BY



FOOTHILL BOULEVARD

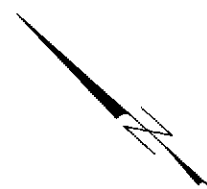
COMMERCIAL



RESIDENTIAL

REX ROAD

FORMER
STANDARD SERVICE
STATION NO. 1230



APPROX. SCALE

LEGEND:

- MW-17 MONITORING WELL LOCATION
- DVE-16 DUAL VACUUM EXTRACTION WELL LOCATION
- ⊕ TMP-1 TEMPORARY MONITORING WELL LOCATION

FIGURE 2
SITE MAP

FORMER CHEVRON STATION NO. 9-0260
21995 FOOTHILL BOULEVARD
HAYWARD, CA.

PROJECT NO. DG90-260	DRAWN BY M.L. 11/6/02
FILE NO. DG90260D	PREPARED BY W.S.
REVISION NO. 1	REVIEWED BY



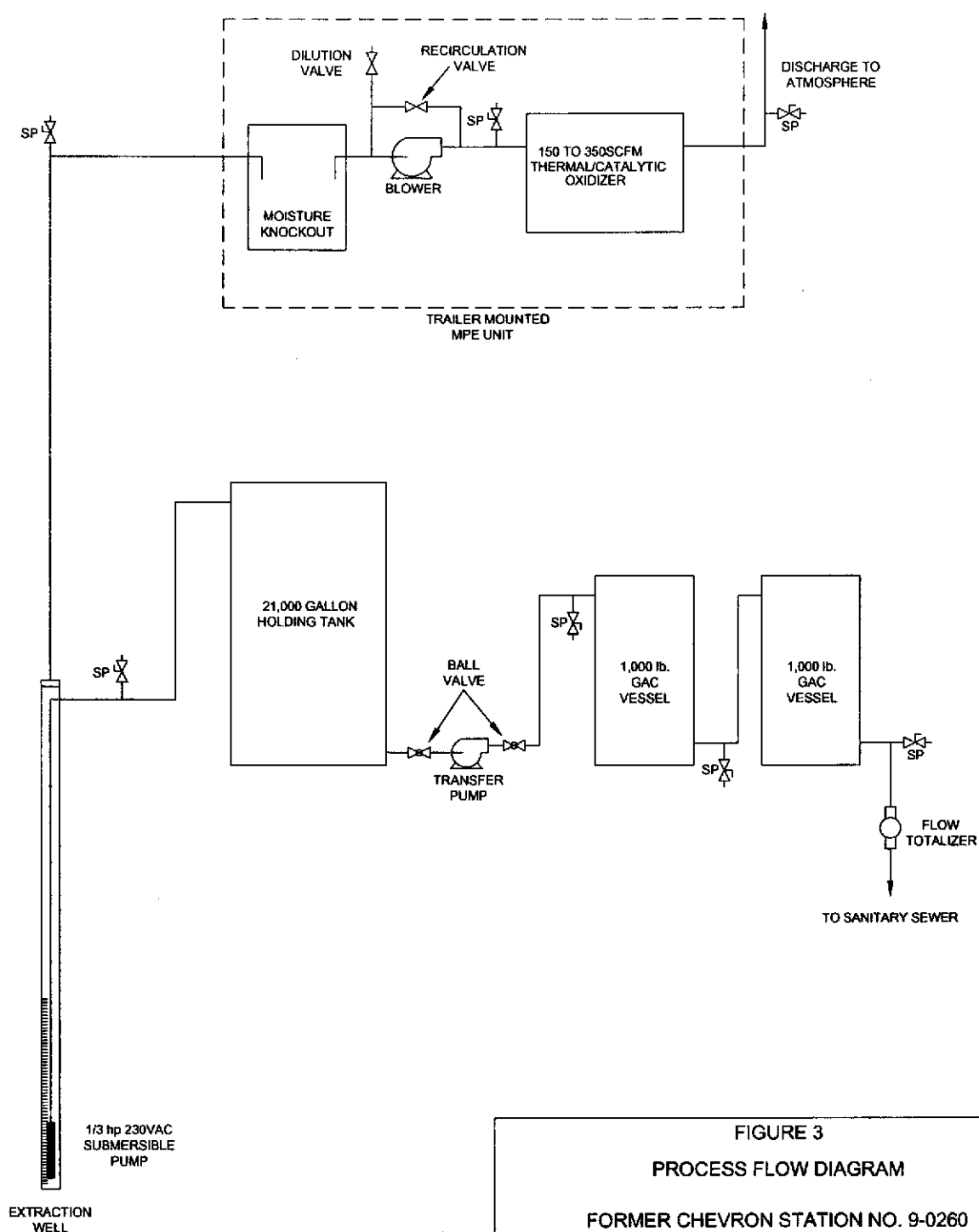


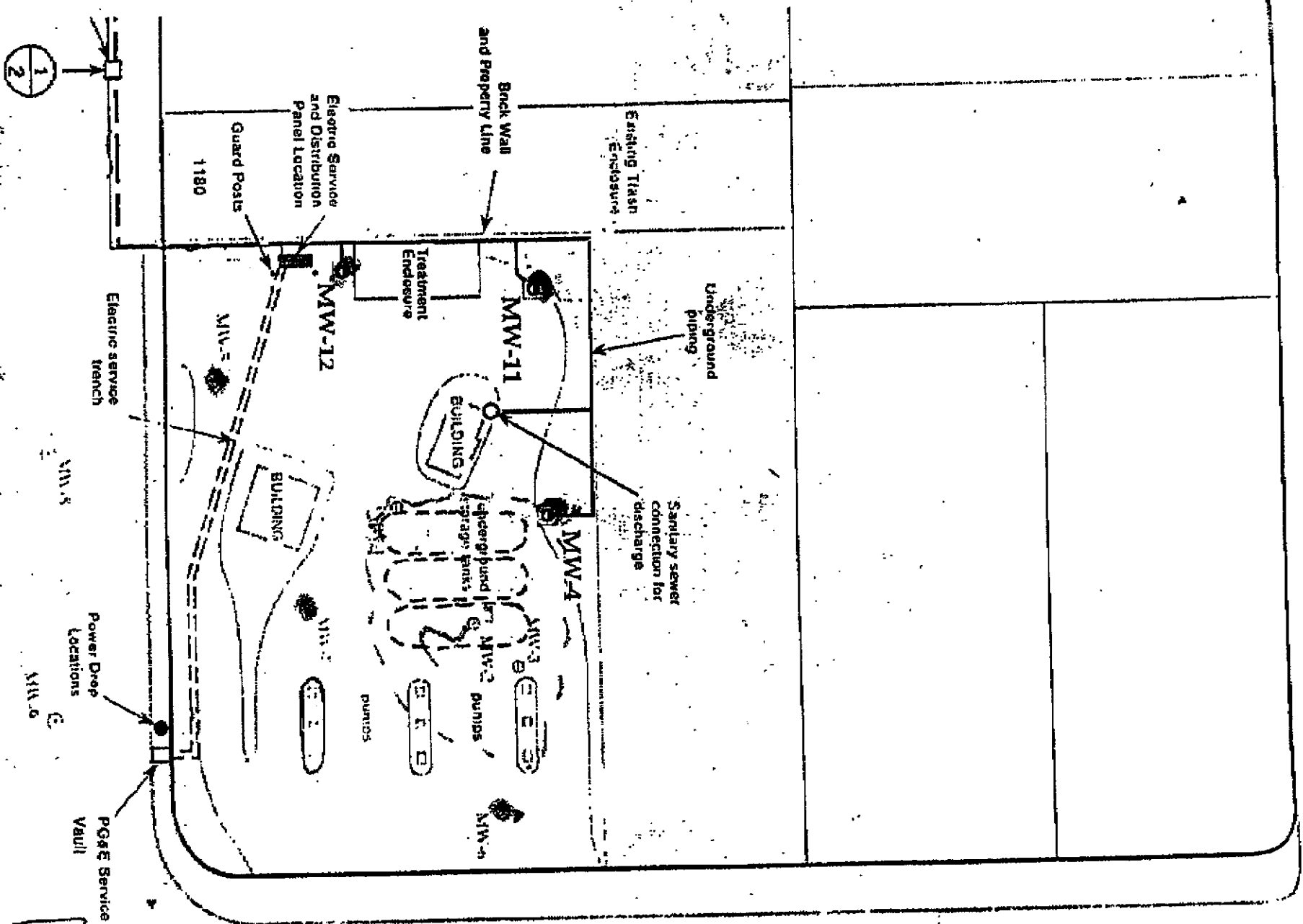
FIGURE 3

PROCESS FLOW DIAGRAM

FORMER CHEVRON STATION NO. 9-0260
21995 FOOTHILL BOULEVARD
HAYWARD, CA.

PROJECT NO. DG90-260	DRAWN BY M.L. 11/8/02
FILE NO. DG90260C	PREPARED BY W.S.
REVISION NO. 1	REVIEWED BY





FOOTHILL BOULEVARD

9.0260
1"=80'-0"

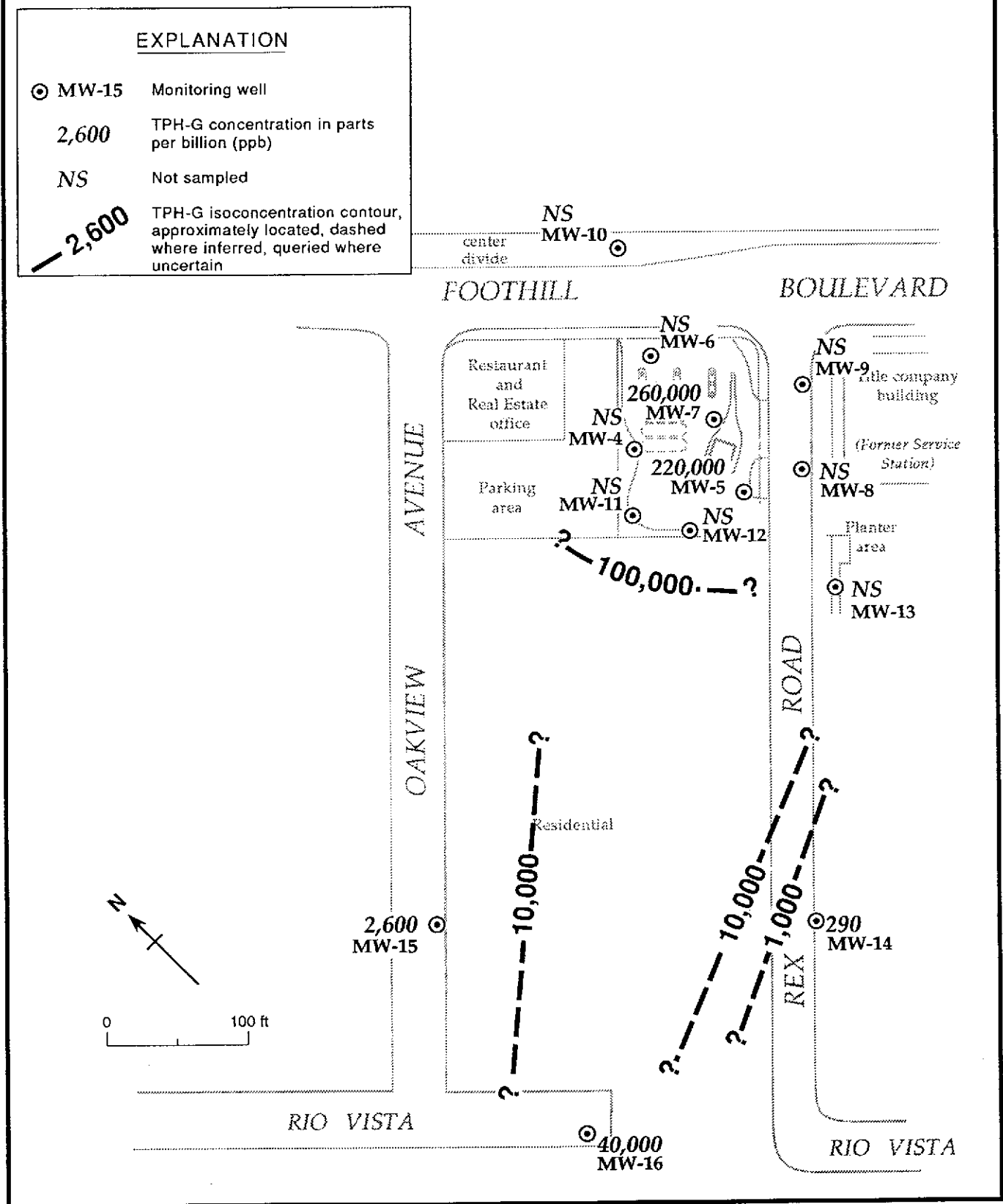


Figure 3. TPH-G Concentrations in Ground Water - April 7, 1992 - Chevron Service Station #9-0260, 21995 Foothill Boulevard, Hayward, California