1540

Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd., Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Site Assessment & Remediation Group
Phone (510) 842-9500

April 3, 1995

Ms. Eva Chu
Alameda County Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

① in 9/94 - high levels in MW-7, talk Brett about 12/94 and 3/95 levels. If elevated need MW NE of MW-7

② Can MW-10 be moved west another 50' or so?

Re: Chevron Station # 9-5542, 7007 San Ramon Valley Blvd., Dublin, CA
Attached Workplan for Additional Groundwater Assessment (GTI, 3/31/95)

Dear Ms. Chu:

Please find attached a work plan dated March 31, 1995, which was prepared by Chevron's consultant, Groundwater Technology, Inc. (GTI), to describe additional groundwater assessment to be performed downgradient from the subject site.

Chevron is prepared to schedule this field work as soon as the work plan approval is received from your agency. If you have any questions or comments, I can be reached at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett L. Hunter
Environmental Engineer
Site Assessment and Remediation

cc: Richard Hiett, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Kenneth Chait, Ardenbrook, Inc., 4725 Thornton Ave., Fremont, CA 94536
See's Real Estate, 210 El Camino Real, S. San Francisco, CA 94080 (w/o attachment)
Jon Robbins, Chevron USA, Products Company, San Ramon, CA (w/o attachment)

GROUNDWATER TECHNOLOGY, INC.
1401 Halyard Drive, Suite 140, West Sacramento, CA 95691, (916) 372-4700
FAX (916) 372-8781

March 31, 1995

Mr. Brett Hunter
Chevron U.S.A. Products Company
6001 Bollinger Canyon Road, Building L
San Ramon, California 94583

Subject: Work Plan for Additional Groundwater Assessment
Chevron Service Station No. 9-5542
7007 San Ramon Road
Dublin, California
GTI Project 02070 0156

Dear Mr. Hunter:

Groundwater Technology, Inc. submits this letter as a work plan for additional assessment at Chevron service station number 9-5542 located at 7007 San Ramon Road in Dublin, California (Figures 1 and 2, Attachment 1). The scope of work for additional assessment is designed to investigate the extent of hydrocarbon-impacted groundwater at the site. Specifically, the work scope includes the drilling and sampling of one soil boring, installation of a groundwater monitoring well in the boring, and preparation of an assessment report summarizing the methods and results of the work performed. Details of the scope of work are described below.

TASK 1: SITE-SPECIFIC HEALTH AND SAFETY PLAN/BACKGROUND REVIEW/ PERMITTING

A site-specific ***Health and Safety Plan*** for the site will be prepared by Groundwater Technology as required by the Occupational Safety and Health Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document will be reviewed and signed by all Groundwater Technology personnel and subcontractors performing work at the site.

Groundwater Technology will conduct a technical review of the pertinent information associated with the site. Permits for drilling will be obtained from the Alameda County Flood Control and Water Conservation District (Zone 7).

TASK 2: SOIL BORING/SOIL SAMPLING

Groundwater Technology will drill one soil boring at the location shown on Figure 2 using a truck-mounted drill rig equipped with 8-inch-diameter hollow-stem augers. The boring will be drilled to approximately 35 feet below ground surface (BGS) to accommodate groundwater monitoring well installation.

Soil samples will be collected from the soil boring at 5-foot intervals beginning at 5 feet BGS using a split-spoon sampler lined with 2-inch-diameter by 6-inch-long brass sample tubes. The hollow-stem augers will be steam cleaned before drilling, and sampling equipment will be cleaned between each sampling interval. Each soil sample will be screened for hydrocarbon vapors using a photoionization detector (PID). Soils encountered during drilling will be logged using the Unified Soil Classification System by a Groundwater Technology field geologist, working under the supervision of a California registered geologist. One sample tube from each sampling interval will be sealed with aluminum foil, capped, taped, labeled, and placed on ice in an insulated container. Based on field observations, selected soil samples from the borehole will be analyzed by a State-certified analytical laboratory for benzene, toluene, ethylbenzene and xylenes (BTEX), and total petroleum hydrocarbons-as-gasoline (TPH-G) by Environmental Protection Agency Methods 5030/8020/8015 modified.

All soil generated through drilling will be placed on and covered with plastic sheeting on site pending characterization and disposal. Water generated by steam cleaning will be contained in a steam-clean trailer and temporarily stored on site in Department-of-Transportation (DOT) approved 55-gallon drums.

TASK 3: GROUNDWATER MONITORING WELL INSTALLATION/DEVELOPMENT

The groundwater monitoring well will be constructed of 2-inch-diameter blank polyvinylchloride (PVC) casing and 0.020-inch-slot PVC well screen. The well screen will be installed approximately five to ten feet above and ten feet below the water table. A sand filter pack will be placed within the annulus of the well from the bottom of the boring to approximately 2 feet above the top of the well screen. The annulus will be sealed with approximately 2 feet of bentonite on top of the sand, and a portland cement/bentonite grout to the surface. Well construction specifications will be adjusted according to field conditions, if required. The well head will be protected by a locking cap and a traffic-rated, watertight street box set in concrete.

Prior to groundwater monitoring and sampling, the monitoring well will be developed by surging and bailing to remove fines from the well and sand pack. The well will be developed until well water is visibly clear. Development water will be stored in a DOT-approved purge water trailer and hauled to a Chevron refinery for recyling.

Top of casing (TOC) and horizontal position of the well will be professionally surveyed relative to mean sea level using an established local bench mark.

TASK 4: REPORT PREPARATION

Groundwater Technology will prepare a report summarizing the data collected under the scope of work detailed above. The report will document the methods and results of the work, summarize laboratory analytical results, and include appropriate maps.

Please contact our West Sacramento office at 916-372-4700 if you have questions or comments about this work plan.

Sincerely,
Groundwater Technology, Inc.
Submitted by:

Jason M. Fedota
Staff Geologist
Project Manager

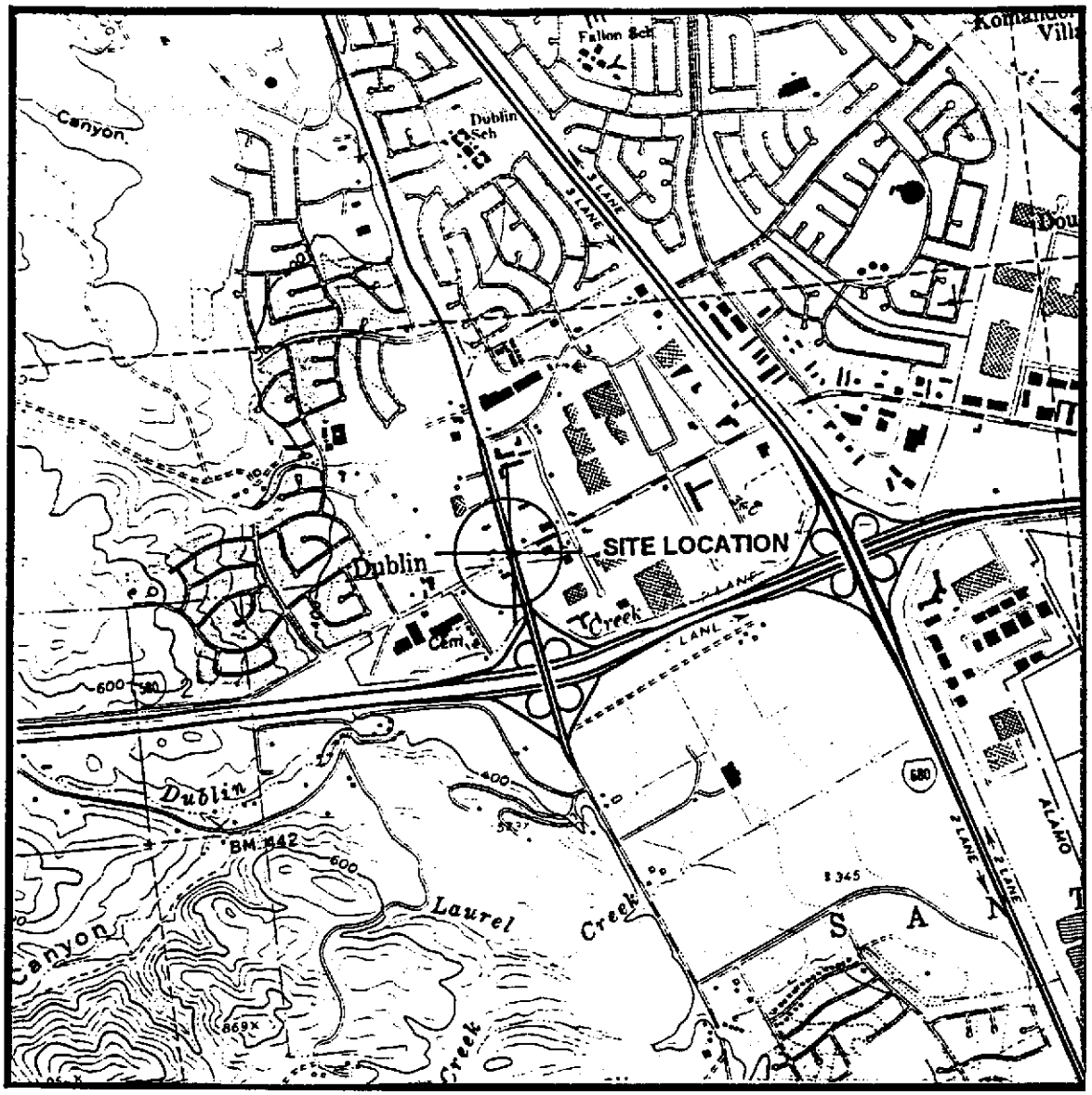
Groundwater Technology, Inc.
Approved by:

E. K. Simonis, R.G.
Senior Geologist

REGISTERED GEOLOGIST
EDVARDAS (ED) K. SIMONIS
No. 4422
STATE OF CALIFORNIA

Attachments
1. Figures

GROUNDWATER TECHNOLOGY



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
DUBLIN QUADRANGLE
7.5 MINUTE SERIES
1961, PHOTOREVISED 1980

SCALE 1:24,000

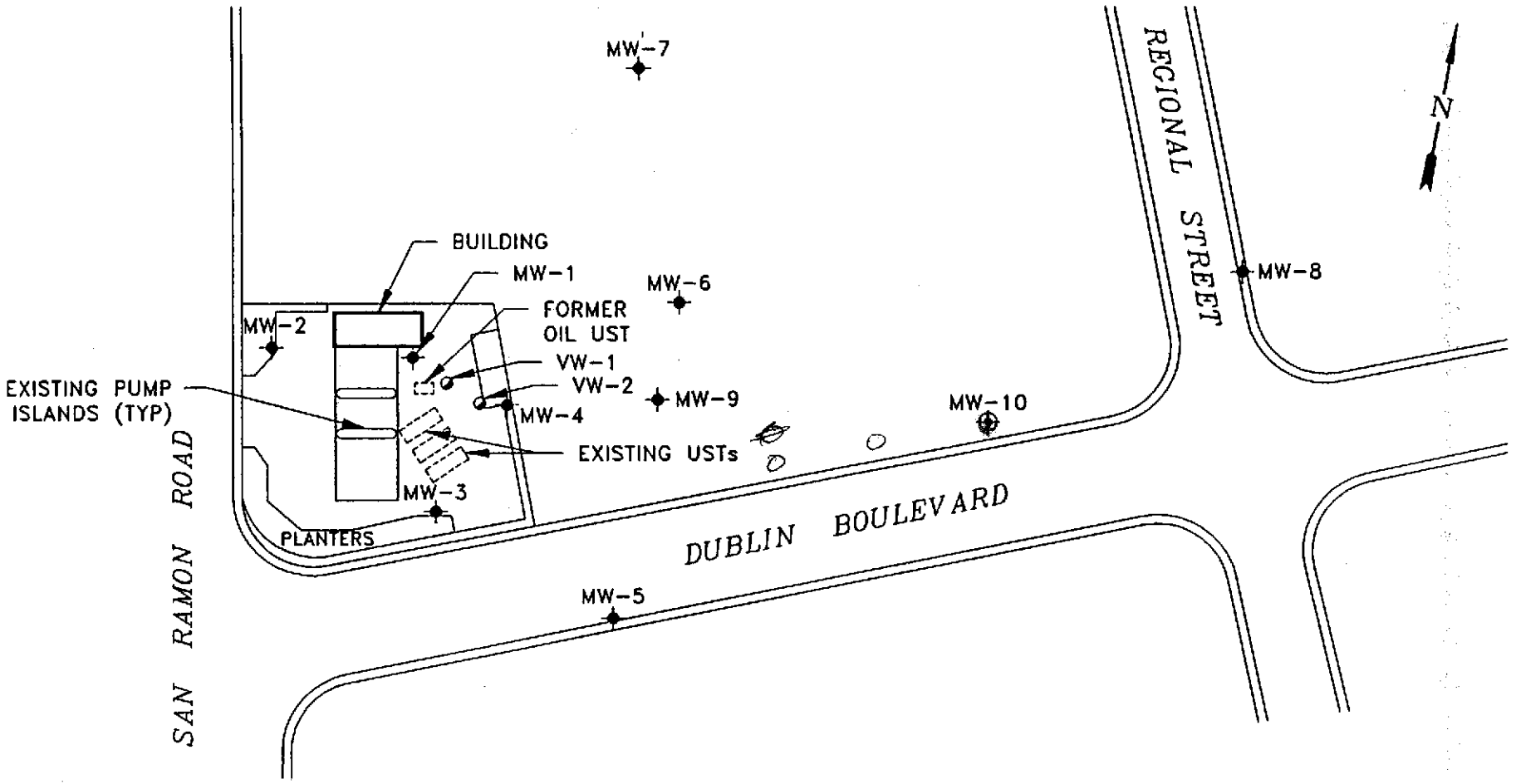
0 2,000 4,000

SCALE FEET

GROUNDWATER TECHNOLOGY

SITE LOCATION MAP

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION NO. 9-5542	FILE: 0156SL (1:1)	PROJECT NO.: 02070-0156	PM	PE/RG
LOCATION: 7007 SAN RAMON ROAD DUBLIN, CALIFORNIA	REV.		FIGURE: 1	
	DES. AJK	DET. JF	DATE: 3/29/95	



LEGEND

- MONITORING WELL LOCATION
- VADOSE WELL LOCATION
- PROPOSED MONITORING WELL LOCATION

GROUNDWATER TECHNOLOGY	0 FEET 100 SCALE	CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION NO. 9-5542	SITE PLAN	
FILE: 0156SMA (1:100)	PROJECT NO.: 02070-0156	LOCATION: 7007 SAN RAMON ROAD DUBLIN, CALIFORNIA	PM:	PE/RG:
REV.:		DES.: JF / DET.: AJK / DATE: 3/29/95		FIGURE: 2