Chevron U.S.A. Products Company
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Mail Address: P.O. Box 5004, San Ramon, CA 94583-0804

Operations

February 10, 1993

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron Service Station #9-0076
4265 Foothill Boulevard, Oakland, CA

Dear Mr. Chan:

This letter has been written to summarize and adequately reflect relevant points discussed in our meeting of January 18, 1993, in regards to the above referenced site.

Upon review of available ground water monitoring data and boring logs, it appears that ground water monitor wells located on and off the Chevron site are monitoring one continuous water bearing zone. The rationale for this conclusion is that ground water data collected from wells located at both the BP and Chevron sites indicates a generally west to southwest ground water gradient throughout both sites, extending to wells located further downgradient of the Chevron site. The discrepancies found in water level elevations on and off site may be due in part to significant changes in geology found in these two areas.

As agreed in our meeting, Chevron will immediately begin addressing impacts to ground water found on-site. The ground water extraction system currently in operation at the Chevron site will be enhanced to obtain greater hydraulic capture of hydrocarbons. It is anticipated that enhancements of the system will include a designed extraction well located in the vicinity of monitor well C-4 and a modified discharge outlet to either the storm drain or sanitary sewer. I will be meeting with Weiss Associates in the coming week to discuss system enhancement options and develop a project time line. A work plan including a projected schedule for the system modifications will be forwarded for your review and concurrence.

At this time it is not clear what degree of responsibility Chevron and Shell each have for dissolved hydrocarbon constituents found in off-site ground water monitor wells C-6 and C-7. I understand Chevron and Alameda County are in agreement that there are two potential sources located upgradient of these wells and further investigation is required at the Shell site. It appears that Shell has recently installed a ground water monitor well at their site and analyses on ground water samples taken from this well indicate some degree of hydrocarbon impact. I understand Shell will be conducting additional subsurface investigation work to further define impacts to ground water. As we have discussed, it would be prudent at this time to allow Shell to conduct additional investigation work prior to addressing remedial options for off-site contamination. This information will be invaluable in determining what degree of responsibility Chevron and Shell may have for off-site contamination, and assist in developing remedial strategies.

In your letter dated December 1, 1992, you requested that future quarterly monitoring reports

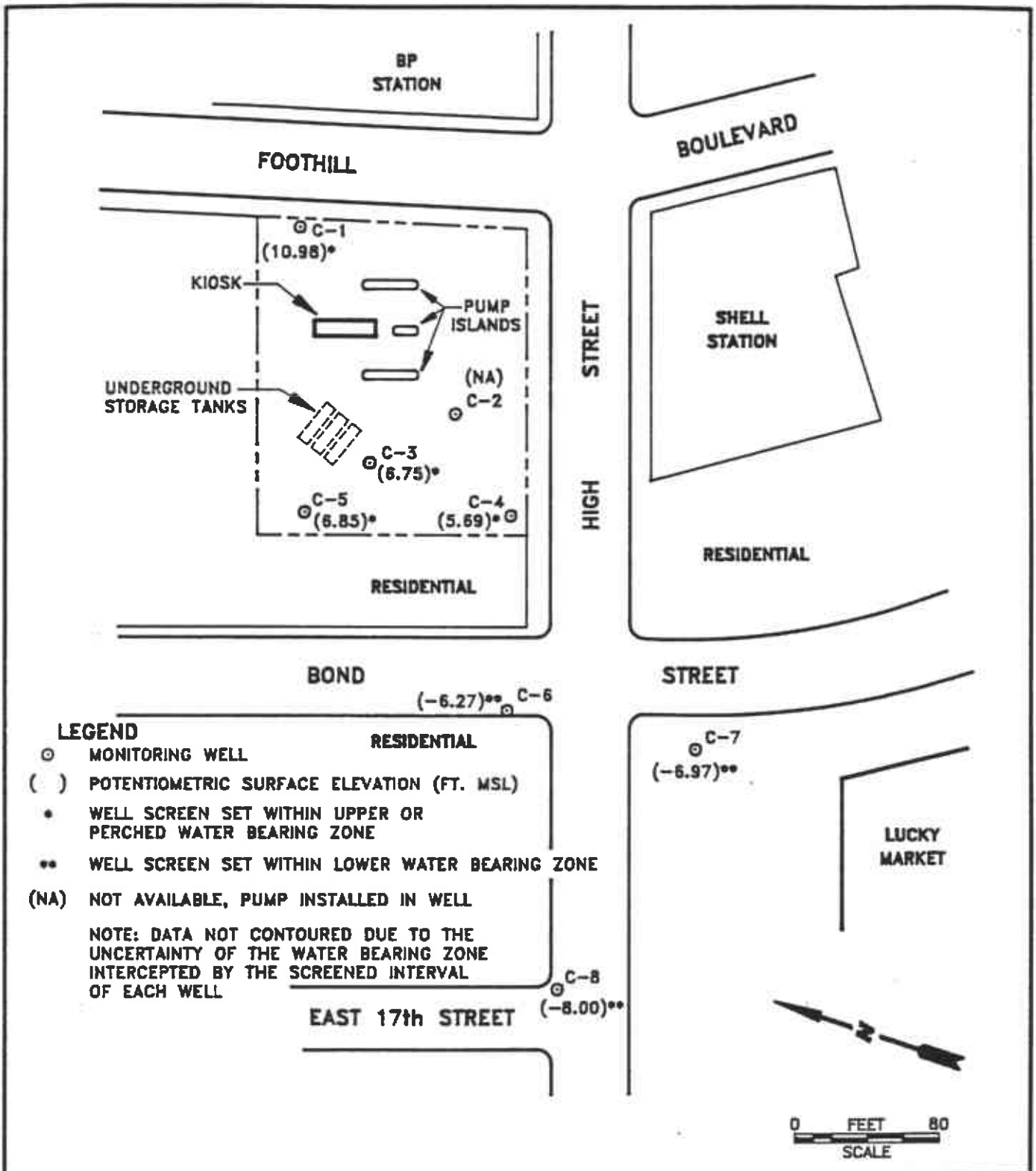
include isoconcentration maps showing TPH-g and benzene concentrations, previous gradient and ground water elevation data, and all analytical results of previous sampling events. The ground water monitoring reports in their current form already include historic ground water elevation data and analytical data. Isoconcentration maps for TPH-g and benzene will be included in the work plan for enhancement of the remediation system. To further assist, I have enclosed with this letter copies of all historic ground water gradient maps for your reference.

Chevron will strive to keep Alameda County apprised of remedial activities at this site. I thank you for your diligence in keeping all concerned parties informed. If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Very truly yours,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

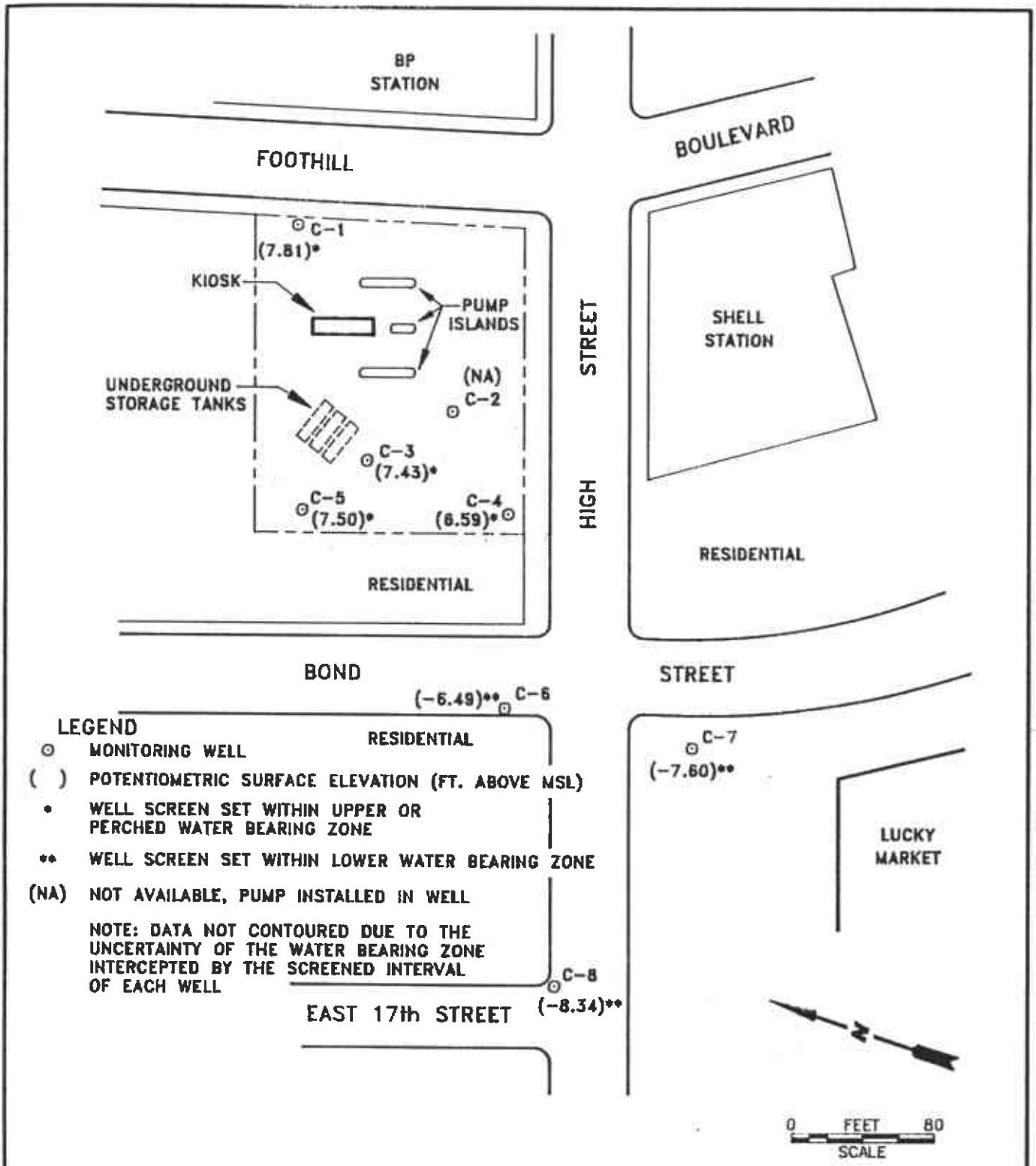
cc: Mr. Rich Hiett, RWQCB - Bay Area
Mr. S.A. Willer
File (9-0076 LTR3)



GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387	**POTENTIOMETRIC SURFACE MAP (10/8/92)**

CLIENT:	LOCATION:	REV. NO.:	DATE:
CHEVRON U.S.A. PRODUCTS Co. SERVICE STATION No. 9-0076	4625 FOOTHILL BLVD. OAKLAND, CALIFORNIA	1	11/17/92

PM	PE/RG	DESIGNED	DETAILED	ACAD FILE:	PROJECT NO.:	FIGURE:
		TW	ML	PSM0892/SP392	020302227	1



GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387	**POTENTIOMETRIC SURFACE MAP (7/14/92)**

CLIENT:	LOCATION:	REV. NO.:	DATE:
CHEVRON U.S.A. PRODUCTS Co. SERVICE STATION No. 9-0076	4625 FOOTHILL BLVD. OAKLAND, CALIFORNIA	1	8/21/92

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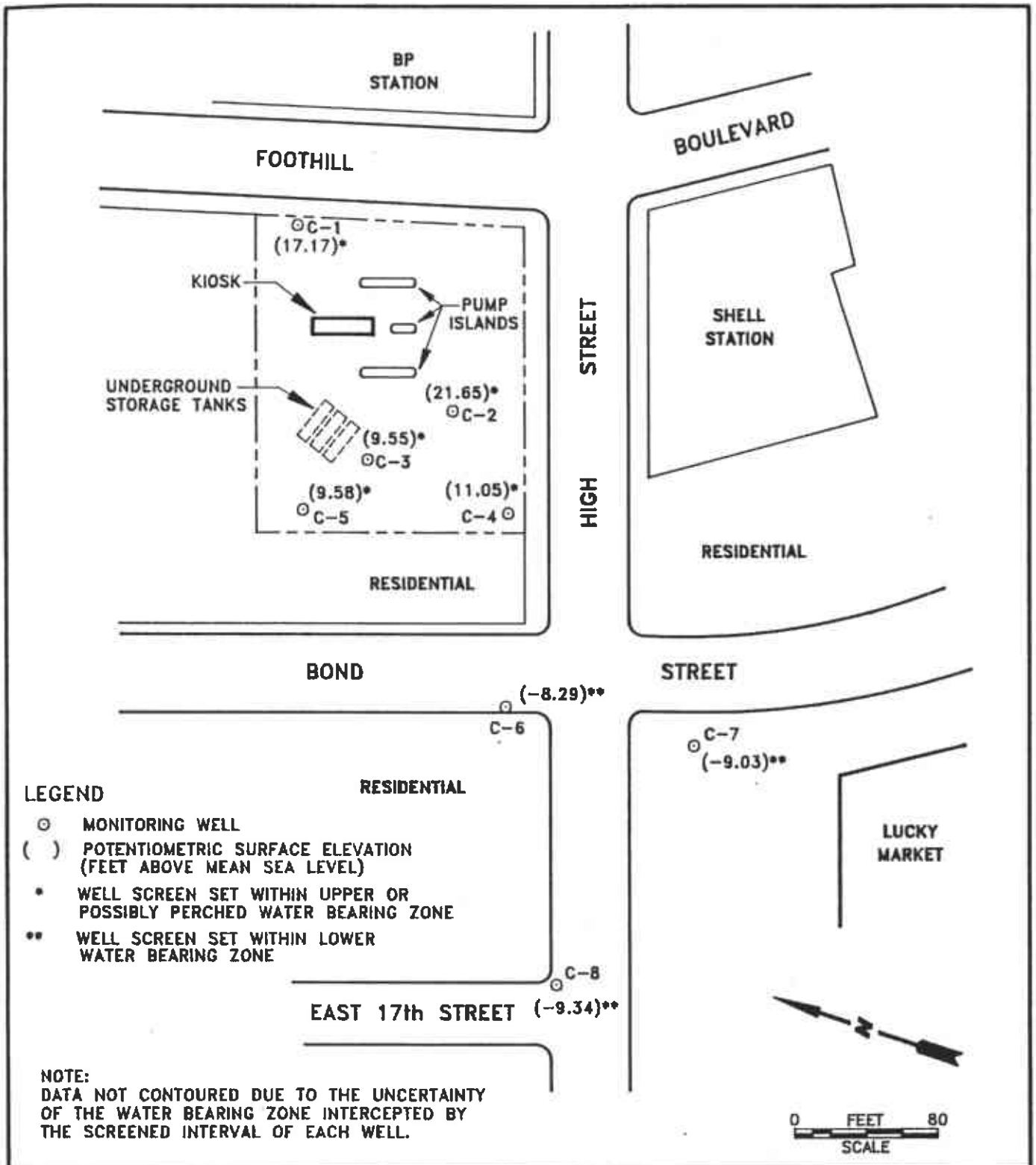

GROUNDWATER TECHNOLOGY 4057 PORT CHICAGO HWY CONCORD, CA 94520 (510) 671-2387

POTENTIOMETRIC SURFACE MAP (3/18/92)

CLIENT:	LOCATION:	REV. NO.:	DATE:
CHEVRON U.S.A. PRODUCTS Co. SERVICE STATION No. 9-0076	4625 FOOTHILL BLVD. OAKLAND, CALIFORNIA	0	4/14/92

PM	PE/RG	DESIGNED	DETAILED	ACAD FILE:	PROJECT NO.:	FIGURE:
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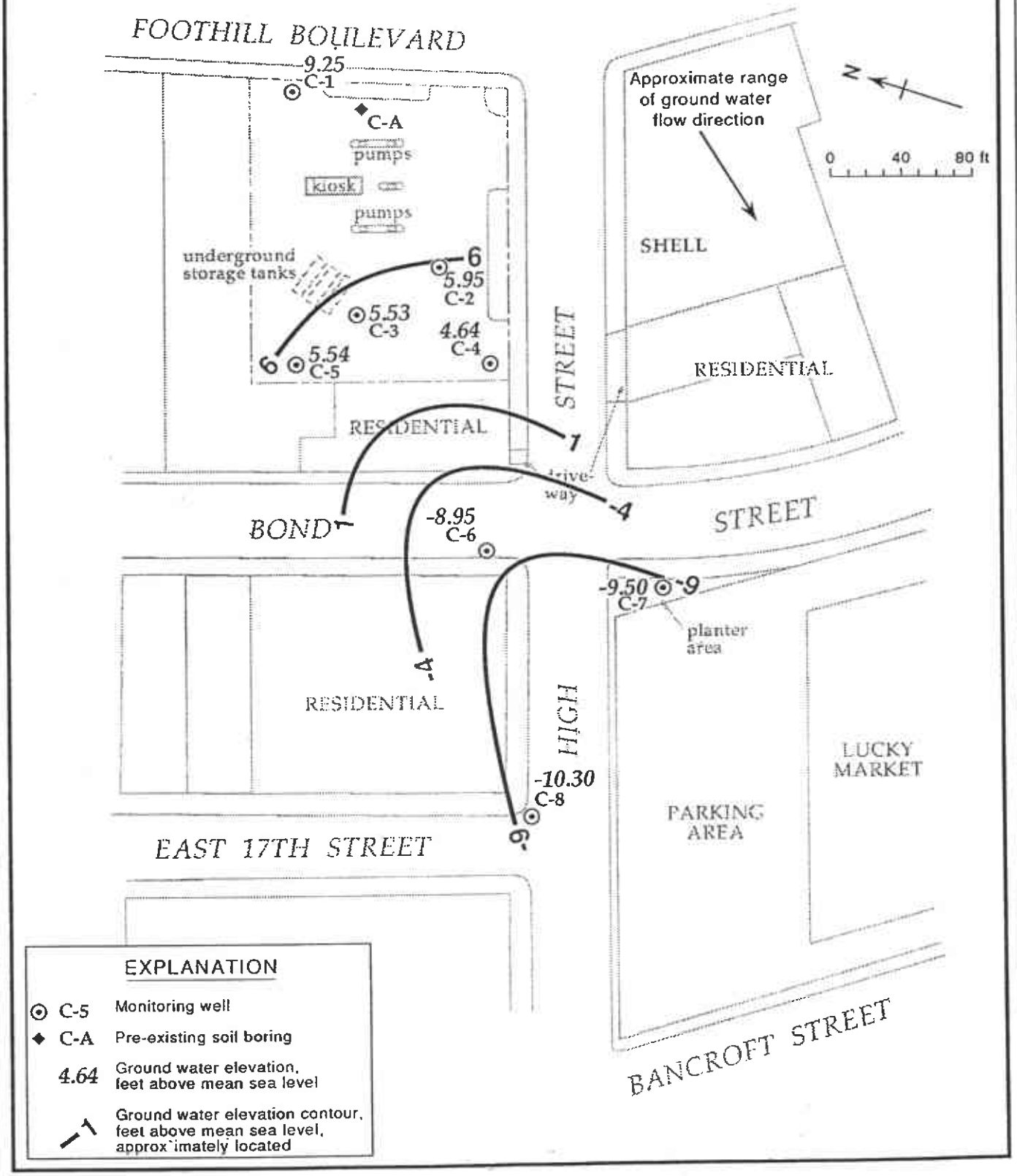


Figure 2. Monitoring Well Locations and Ground Water Elevations - December 20, 1991 - Chevron Service Station #9-0076, 4265 Foothill Boulevard, Oakland, California

1/30/92

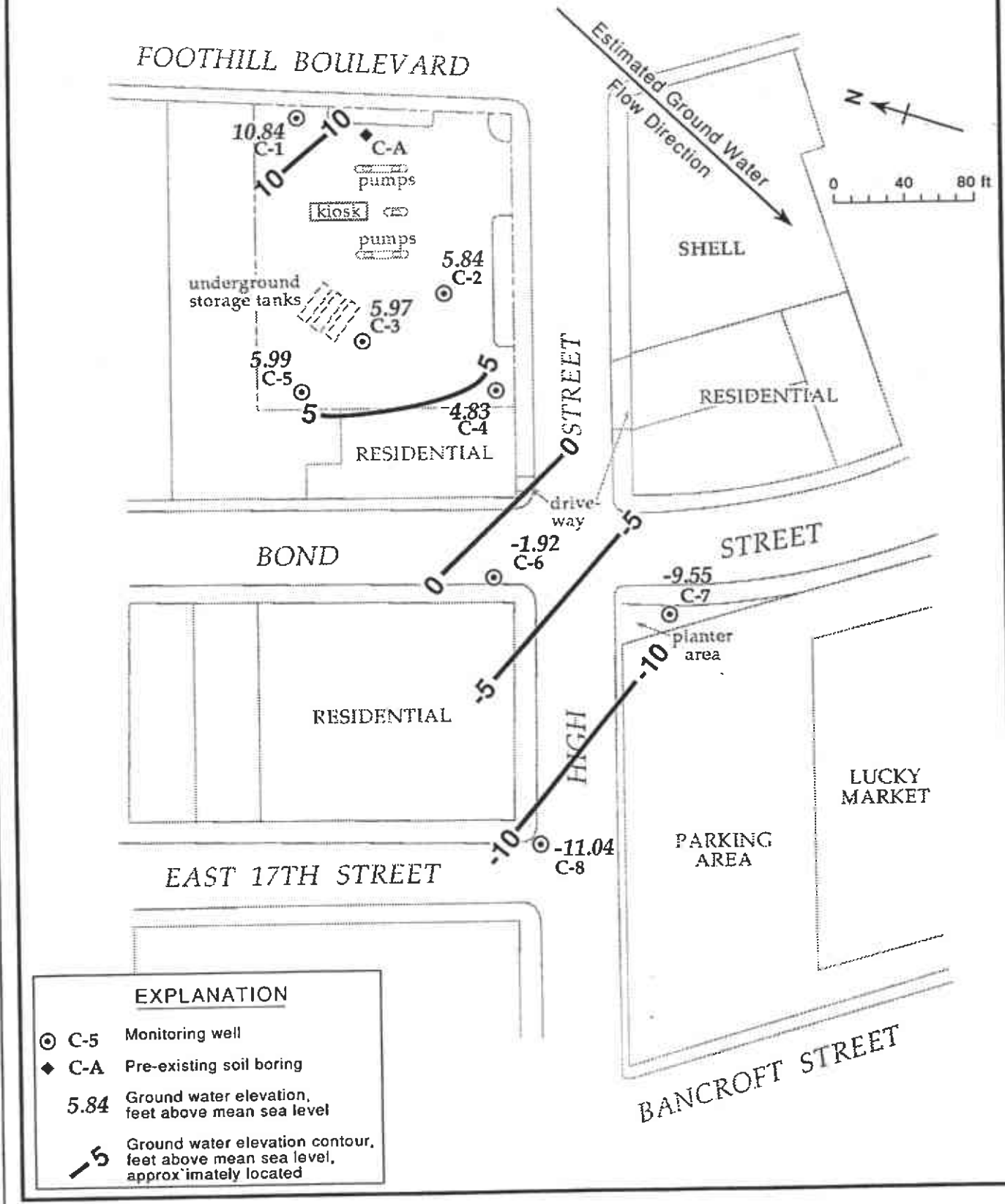


Figure 2. Monitoring Well Locations and Ground Water Elevations - September 19, 1991 - Chevron Service Station #9-0076, 4265 Foothill Boulevard, Oakland, California

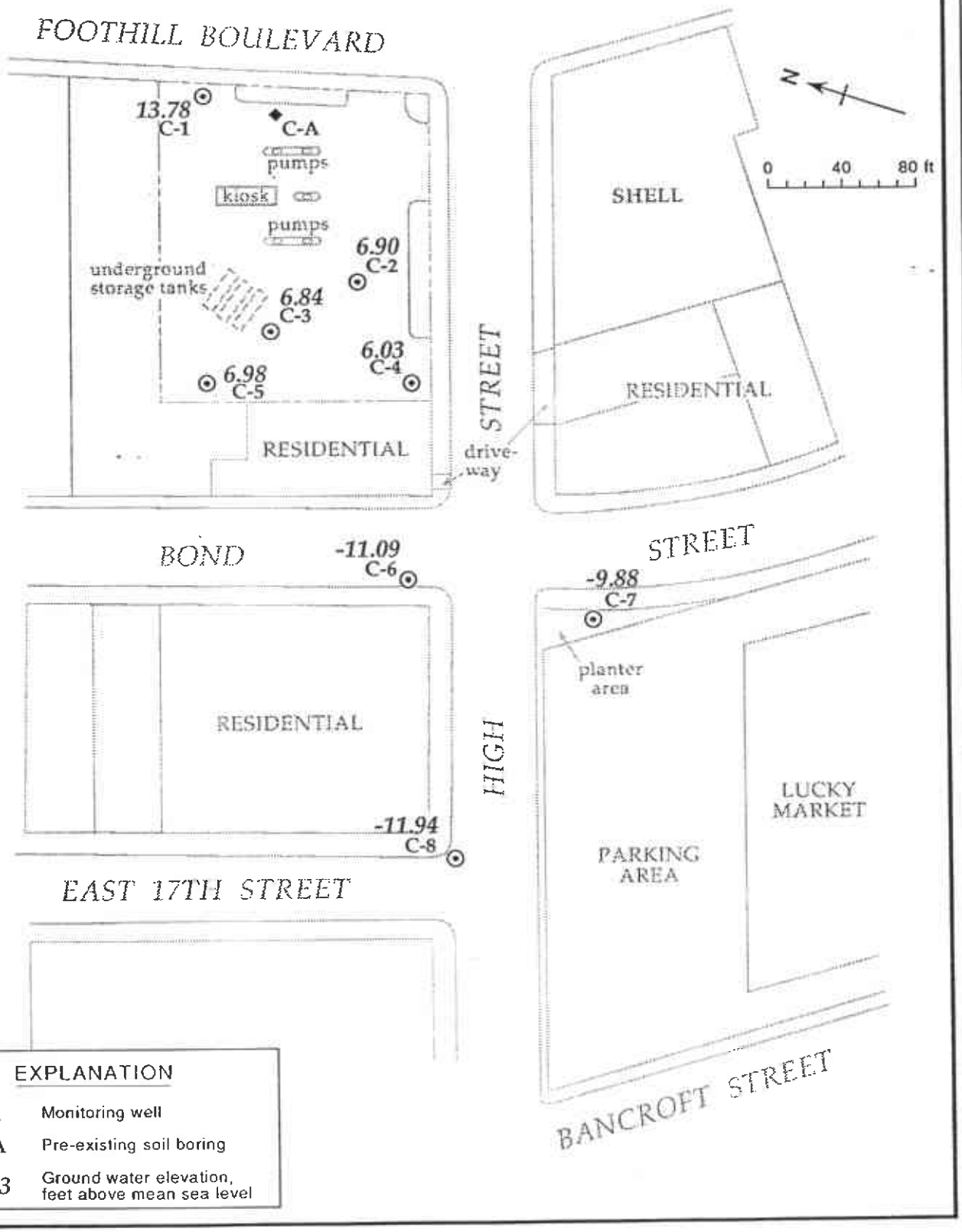
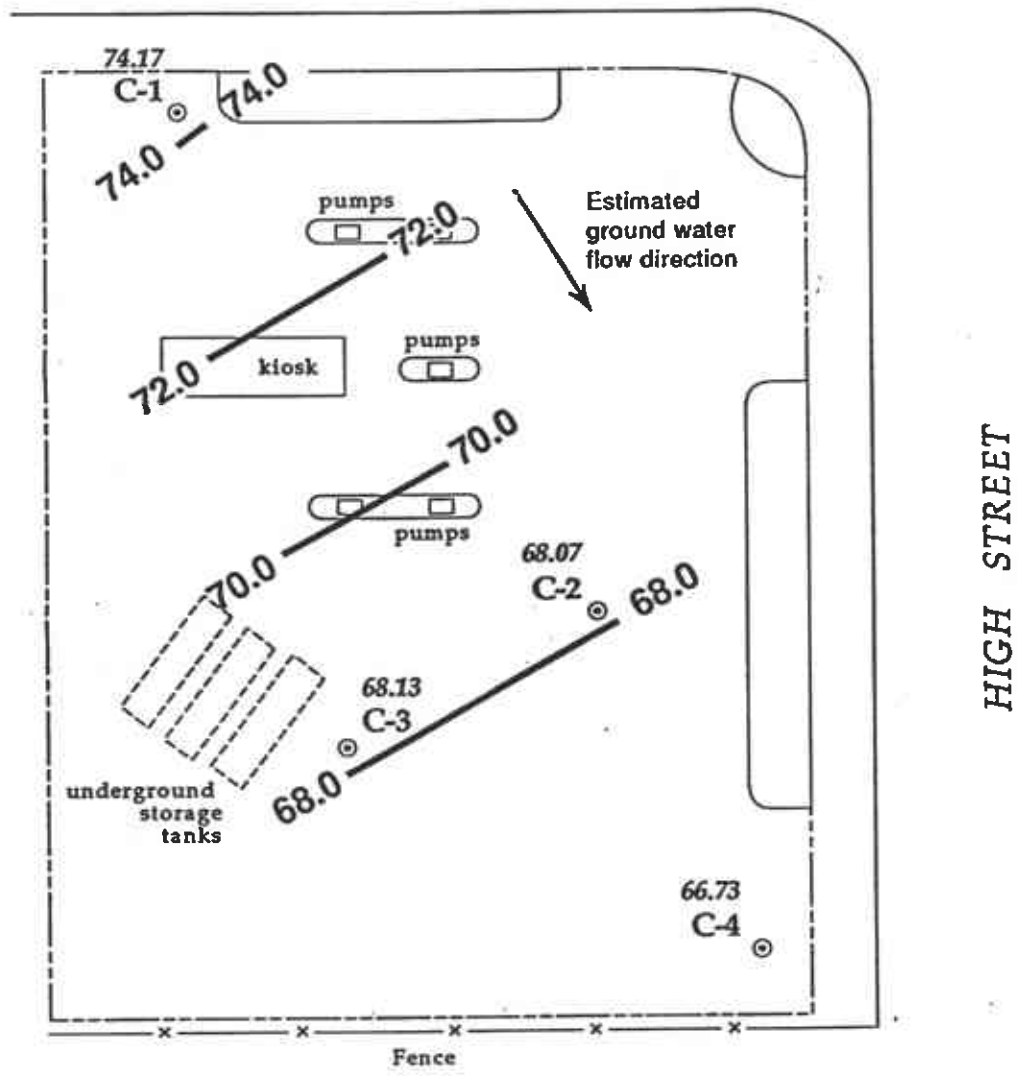


Figure 2. Monitoring Well Locations and Ground Water Elevations - June 18, 1991 - Chevron Service Station #9-0076, 4265 Foothill Boulevard, Oakland, California

7/18/91



EXPLANATION

⊙ C-1	Monitoring well
74.17	Ground water elevation, ~~feet above mean sea level~~ - PROJECT DATUM
70.0	Ground water elevation contour, ~~feet above mean sea level~~, - PROJECT DATUM approximately located, dashed where inferred

N

0 30 ft

Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - August 8, 1989 - Chevron Service Station #90076, Oakland, California

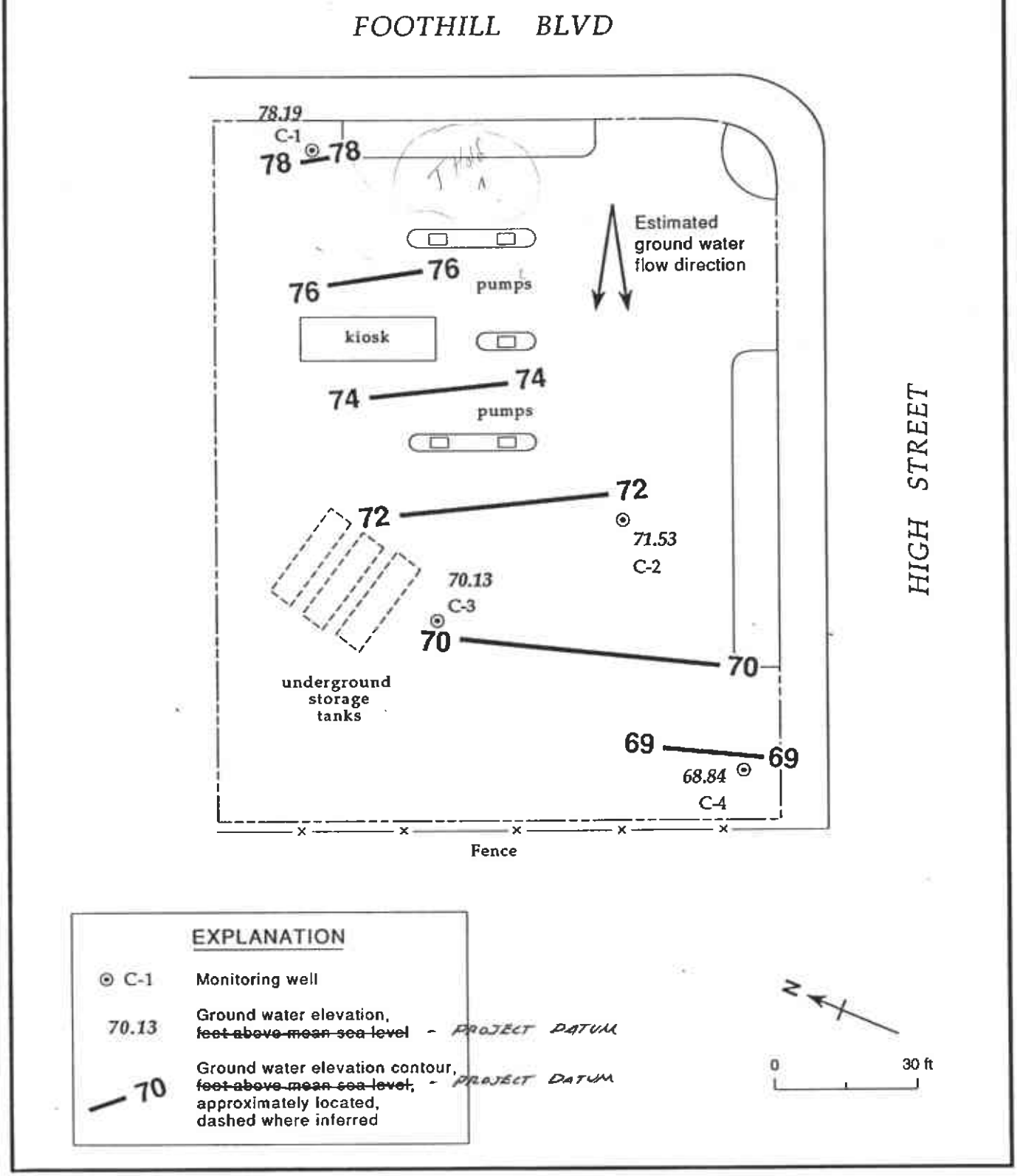


Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - April 28, 1989 - Chevron Service Station #90076, Oakland, California