

Atlantic Richfield Company

Chuck Carmel
Environmental Business Manager

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RECEIVED

8:52 am, Oct 06, 2010

Alameda County
Environmental Health

5 October 2010

Re: Third Quarter 2010 Status Report
Atlantic Richfield Company Station #2035
1001 San Pablo Avenue, Albany, California
ACEH Case #RO0000100

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by,



Chuck Carmel
Environmental Business Manager

Attachment

5 October 2010

Project No. 06-88-610

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Chuck Carmel

Re: Third Quarter 2010 Status Report, Atlantic Richfield Company Station #2035
1001 San Pablo Avenue, Albany, California; ACEH Case #RO0000100

Dear Mr. Carmel:

Attached is the *Third Quarter 2010 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #2035 located at 1001 San Pablo Avenue, Albany, Alameda County, California. This report presents a summary of current developments at the Site through the Third Quarter of 2010.

Should you have questions regarding this submittal, please do not hesitate to contact me at (530) 566-1400.

Sincerely,
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Mr. John Lestrangle, 17851 State Highway 128, Calistoga, California 94515
Electronic copy uploaded to GeoTracker

STATION # 2035 QUARTERLY STATUS REPORT

Facility: #2035	Address: 1001 San Pablo Avenue, Albany, California
Environmental Business Manager:	Mr. Chuck Carmel
Consulting Co./Contact Person:	Broadbent & Associates, Inc.(BAI)/Mr. Tom Venus, PE (530) 566-1400
Consultant Project No.:	06-02-610
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case # RO0000100

WORK PERFORMED THIS QUARTER (Third Quarter 2010):

1. Prepared and submitted the *Second Quarter 2010 Semi-Annual Ground-Water Monitoring Report* (BAI, 7/30/2010).
2. Prepared and submitted *Vapor Intrusion Assessment Report* (BAI, 7/30/2010).

WORK PROPOSED FOR NEXT QUARTER (Fourth Quarter 2010):

1. Prepared and submitted the *Third Quarter 2010 Status Report* (contained herein).
2. Conduct semi-annual ground-water monitoring/sampling for Fourth Quarter 2010.
3. Prepare and submit Soil Vapor Sampling Work Plan by 1 November 2010, as requested within directive letter from ACEH dated 2 September 2010.

SITE SUMMARY:

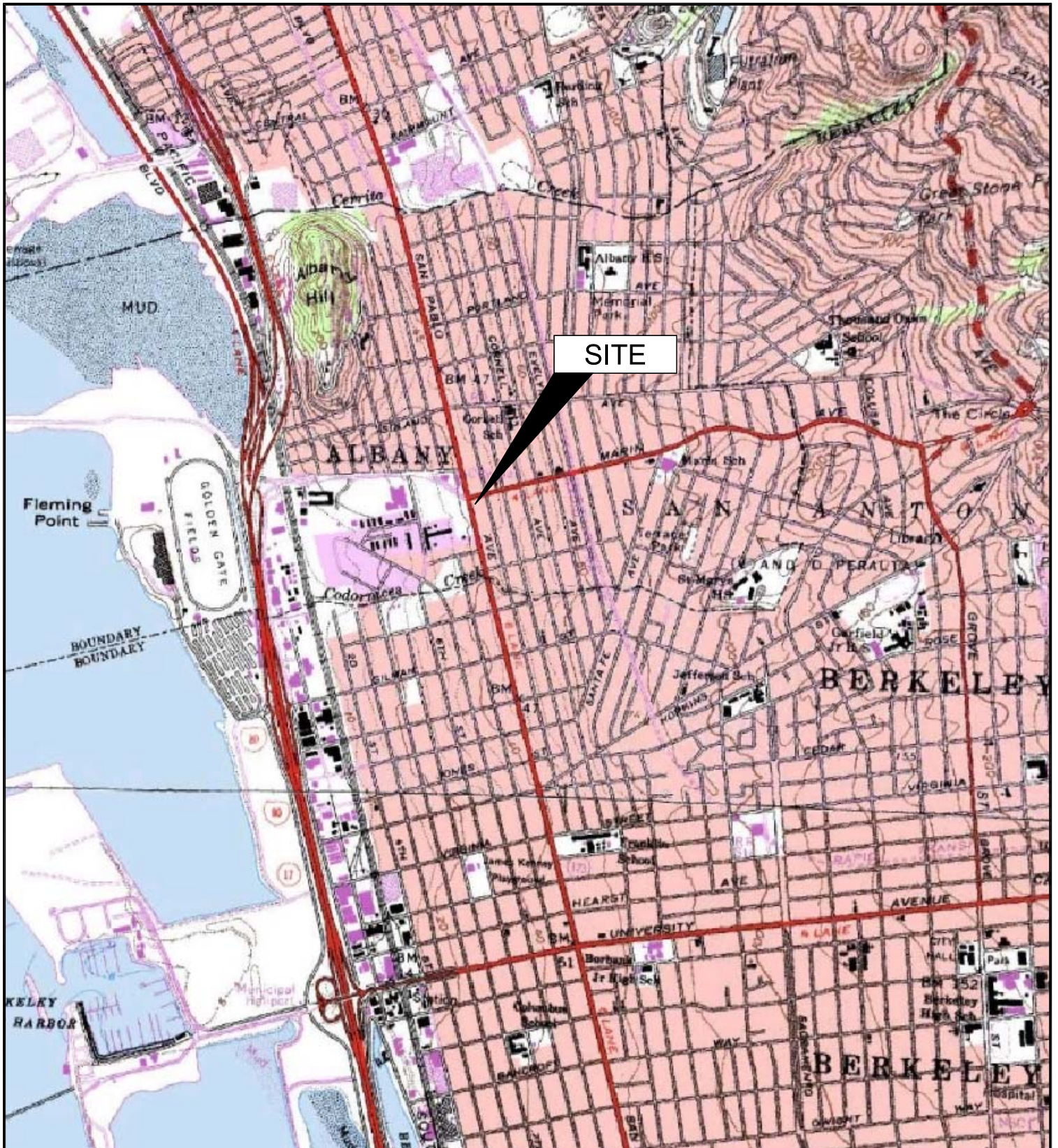
Current phase of project:	Ground-Water Monitoring/Sampling, Vapor Intrusion Assessment
Frequency of ground-water monitoring:	Semi-Annually (2Q and 4Q): Wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, RW-1, S-5
Frequency of ground-water sampling:	Semi-Annually (2Q and 4Q): Wells MW-4, MW-7, MW-8, MW-9, RW-1, and S-5 Annually (4Q): Wells MW-5 and MW-6
Is free product (FP) present on-site:	No
Depth to ground water (below TOC):	6.62 ft (MW-7) to 12.17 ft (MW-6) (May 2010)
General ground-water flow direction:	West (May 2010)
Approximate hydraulic gradient:	0.02 ft/ft (May 2010)

DISCUSSION:

A *Vapor Intrusion Assessment Report* for environmental work at Station #2035 was prepared and submitted on 30 July 2010 to ACEH. During two independent soil vapor sampling events in April and May 2010, significant leak check tracer compound was detected. Soil vapor sample analytical results from samples collected on 16 April 2010 detected elevated concentrations of 1,1-Difluoroethane, the leak check compound administered during sample collection. Due to elevated concentrations of the leak check tracer compound, soil vapor sampling was again attempted on 14 May 2010 using a different leak check compound, Isopropyl Alcohol. Elevated concentrations of leak check compound were again detected in the samples. BAI recommended re-evaluation of the sampling protocols and recommended collecting soil vapor samples using a different approach since it is problematic to validate the previously collected analytical data. In their letter dated 2 September 2010, ACEH concurred with the proposed scope of work and requested in the future, the soil vapor wells or probes, the sampling device, and the fittings be placed under a shroud with pliable weather-stripping along its base to maintain a tracer gas atmosphere. A Soil Vapor Sampling Plan, with revised protocol will be submitted on or before 1 November 2010 as requested by ACEH. For reference, a Site Location Map is provided as Drawing 1. A Ground-Water Elevation Contour and Analytical Summary Map from the Second Quarter of 2010 is provided as Drawing 2. The soil gas boring/temporary vapor well sampling locations are presented in Drawing 3.

ATTACHMENTS:

- Drawing 1. Site Location Map, ARCO Service Station #2035, 1001 San Pablo Avenue, Albany, California
- Drawing 2. Ground-Water Elevation Contour and Analytical Summary Map, 26 May 2010, ARCO Service Station #2035, 1001 San Pablo Avenue, Albany, California
- Drawing 3. Site Plan with Soil Vapor Monitoring Wells, ARCO Service Station #2035, 1001 San Pablo Avenue, Albany, California



SITE

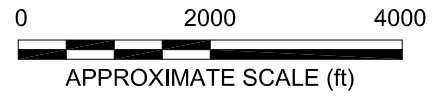
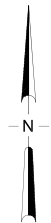
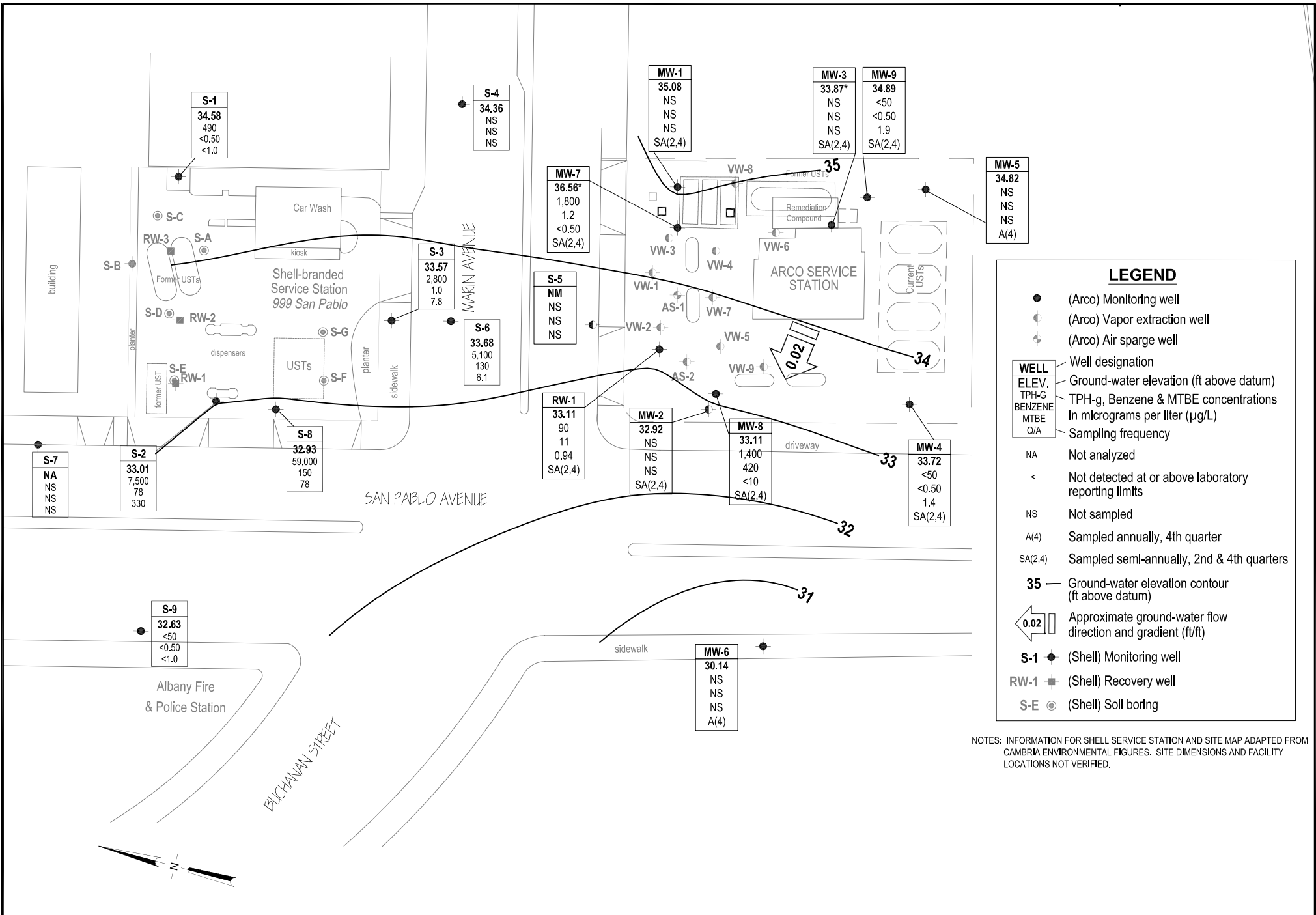


IMAGE SOURCE: USGS



NOTES: INFORMATION FOR SHELL SERVICE STATION AND SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

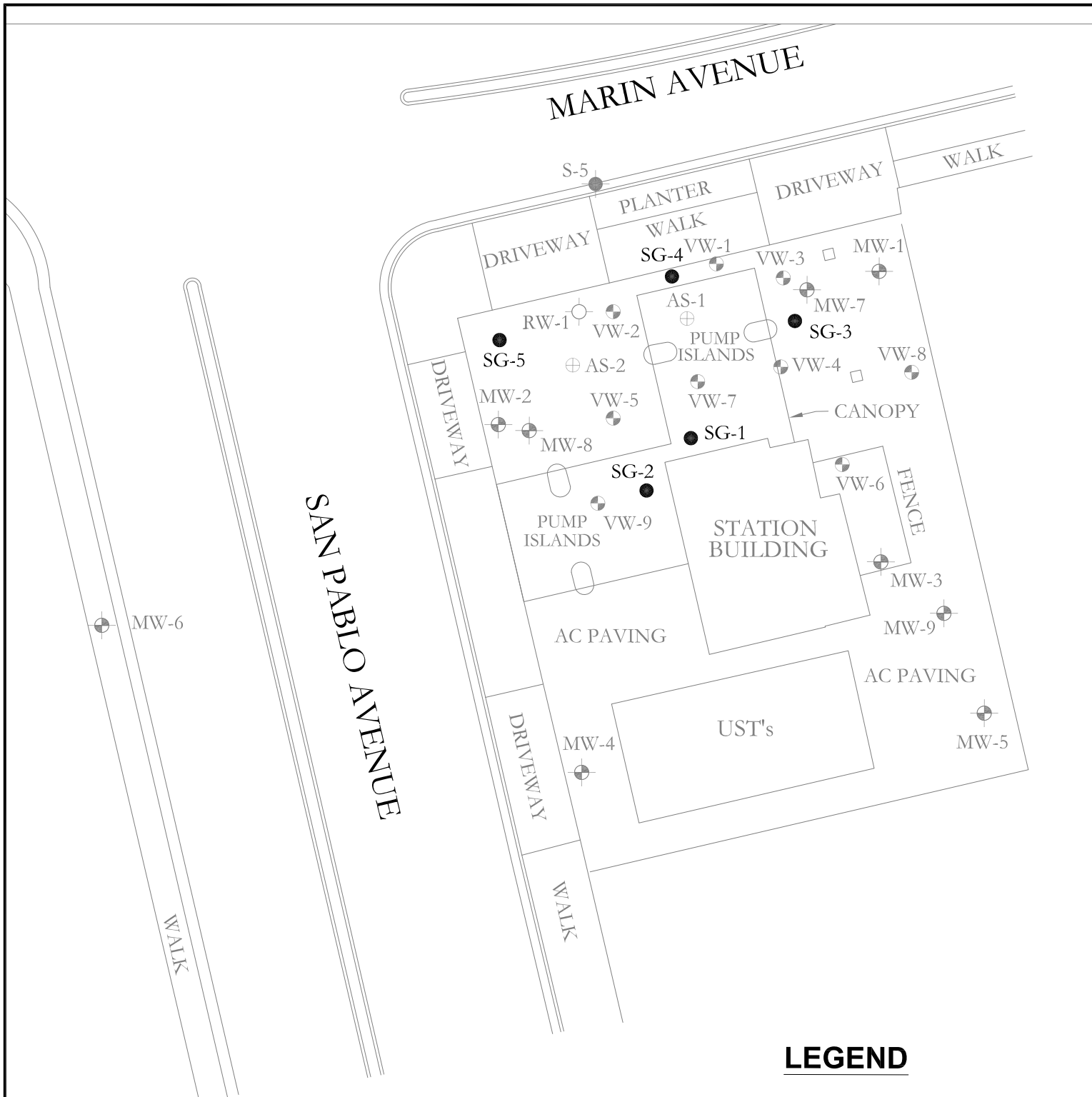


BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave., Suite 212 Chico 95926
 Project No.: 06-88-610 Date: 07/19/10

ARCO Service Station #2035
 1001 San Pablo Avenue
 Albany, California

Ground-Water Elevation Contour
 and Analytical Summary Map
 26 May 2010

Drawing
2



LEGEND

- Soil Gas Boring/ Temporary Vapor well
- ⊕ (ARCO) Monitoring well
- ⊕ (ARCO) Vapor extraction well
- ⊕ (ARCO) Air sparge well
- S-5 ● (Shell) Monitoring well

NOTES: SITE MAP ADAPTED FROM WOOD RODGERS FIGURE. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.