

# Atlantic Richfield Company

**Chuck Carmel**  
Environmental Business Manager

**RECEIVED**

4:40 pm, Jan 29, 2010

Alameda County  
Environmental Health

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San Ramon, CA 94583  
Phone: (925) 275-3803  
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E-Mail: charles.carmel@bp.com

22 January 2010

Re: Fourth Quarter 2009 Status Report  
Atlantic Richfield Company Station #374  
6407 Telegraph Avenue, Oakland, California  
ACEH Case #RO0000078

"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:

22 January 2010

Project No. 06-88-602

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

Attn.: Mr. Chuck Carmel

Re: Fourth Quarter 2009 Status Report, Atlantic Richfield Company Station #374  
6407 Telegraph Avenue, Oakland, Alameda County, California  
ACEH Case #RO0000078

Dear Mr. Carmel:

Attached is the *Fourth Quarter 2009 Status Report* for Atlantic Richfield Company (a BP affiliated company) Station #374 located at 6407 Telegraph Avenue, Oakland, California (Site). This report presents a summary of current developments at the Site through the Fourth Quarter of 2009.

Should you have questions regarding this submittal, please do not hesitate to contact us 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)  
Electronic copy uploaded to GeoTracker

## STATION #374 QUARTERLY STATUS REPORT

Facility: #374	Address:	6407 Telegraph Avenue, Oakland, 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.:		06-88-602
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000078
Facility Permits/Permitting Agency:		NA

### WORK PERFORMED THIS QUARTER (Fourth Quarter 2009):

1. Prepared and submitted *Third Quarter 2009 Ground-Water Monitoring Report* (BAI, 10/30/2009).
2. Prepared and submitted *On-Site Soil & Ground-Water Investigation Report* (BAI, 11/11/2009).
3. No environmental field activities were conducted during the Fourth Quarter of 2009.

### WORK PROPOSED FOR NEXT QUARTER (First Quarter 2010):

1. Prepared and submitted this *Fourth Quarter 2009 Status Report* (contained herein).
2. Conduct first quarter 2010 semi-annual ground-water monitoring and sampling event.
3. Prepare and submit *First Quarter 2010 Ground-water Monitoring and Sampling Report*.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Ground-water monitoring/sampling/characterization</b>
Frequency of ground-water monitoring:	<b>Semi-Annually (1Q &amp; 3Q): MW-1 through MW-6</b>
Frequency of ground-water sampling:	<b>Semi-Annually (1Q &amp; 3Q): MW-1, MW-2, and MW-4 Annually (3Q): MW-3, MW-5, and MW-6</b>
Is free product (FP) present on-site:	<b>No</b>
Current remediation techniques:	<b>NA</b>
Depth to ground water (below TOC):	<b>NA</b>
General ground-water flow direction:	<b>NA</b>
Approximate hydraulic gradient:	<b>NA</b>

### DISCUSSION:

No environmental field activities were conducted by Broadbent & Associates at the Site during the Fourth Quarter of 2009. The most recent ground-water monitoring/sampling occurred during the Third Quarter of 2009, the results of which are contained within the *Third Quarter 2009 Ground-Water Monitoring Report* (BAI, 10/30/2009). For immediate reference, a site location map is provided as Drawing 1 and a ground-water elevation and analytical summary map dated as 20 August 2009 is provided as Drawing 2. On 11 November 2009, BAI submitted the *On-Site Soil & Ground-Water Investigation Report*. The on-site soil investigation was completed to characterize the vertical and lateral extent of recently discovered petroleum hydrocarbon contamination within soils beneath the dispenser island in the eastern portion of the Site. Based on the results obtained during this recent soil and ground-water investigation, BAI recommended that a soil boring be advanced in the area of boring B-15 (perhaps just slightly south of B-15) to collect soil samples below 8.5 feet below ground surface. BAI further

recommended that this proposed boring be converted into a new on-site ground-water well to monitor ground-water conditions and potentially remediate the subsurface below the suspected former pipeline release. BP and BAI are awaiting a response from ACEH to this report and its recommendations.

**ATTACHMENTS:**

- Drawing 1. Site Location Map, Station #374, 6407 Telegraph Avenue, Oakland, California
- Drawing 2. Ground-Water Elevation Contours and Analytical Summary Map, 20 August 2009, Station #374, 6407 Telegraph Avenue, Oakland, California
- Drawing 3. Site Layout Plan with Soil Boring Locations, Station #374, 6407 Telegraph Avenue, Oakland, California

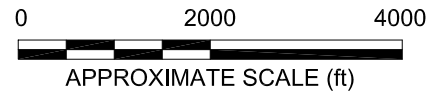
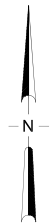
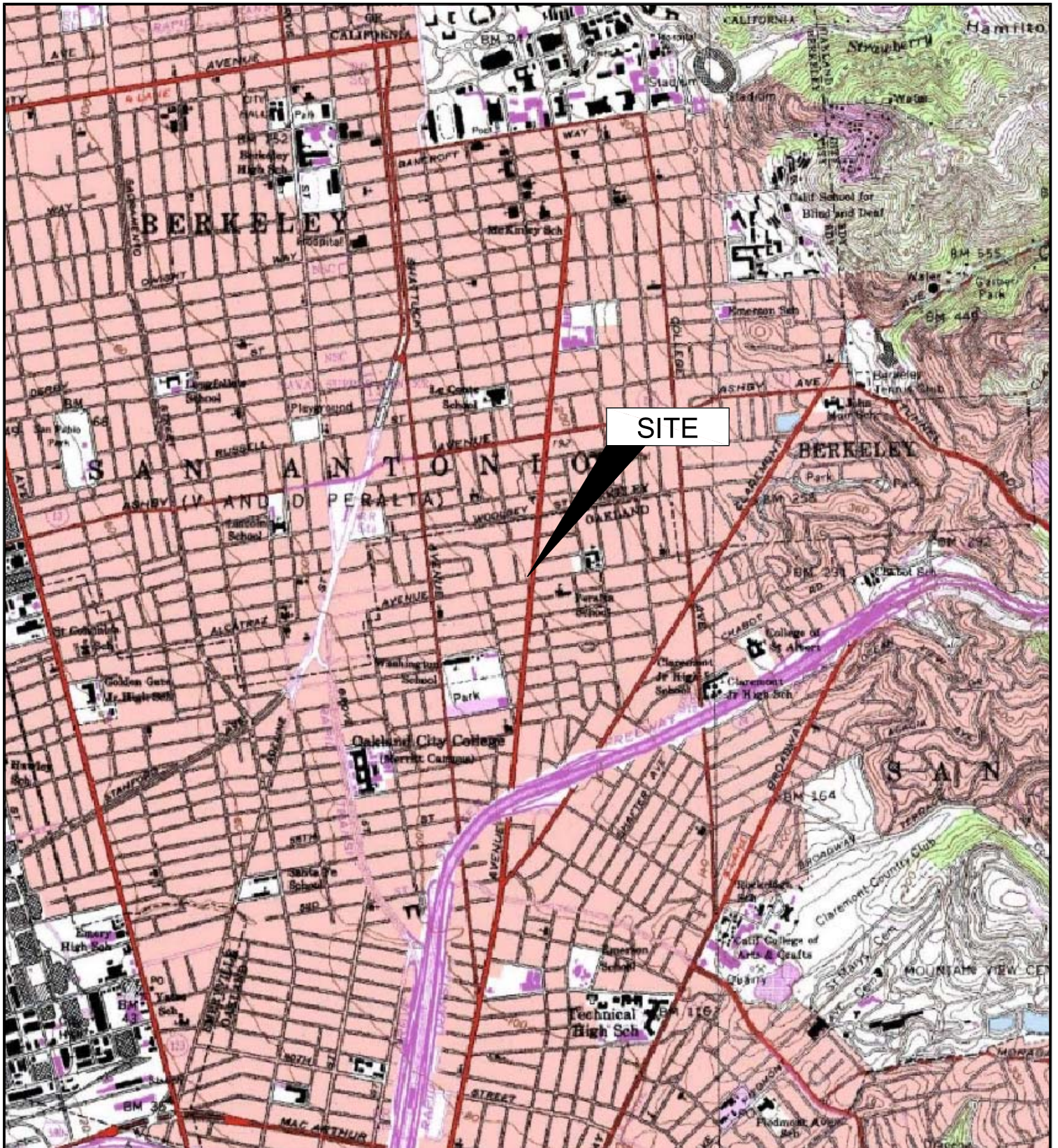
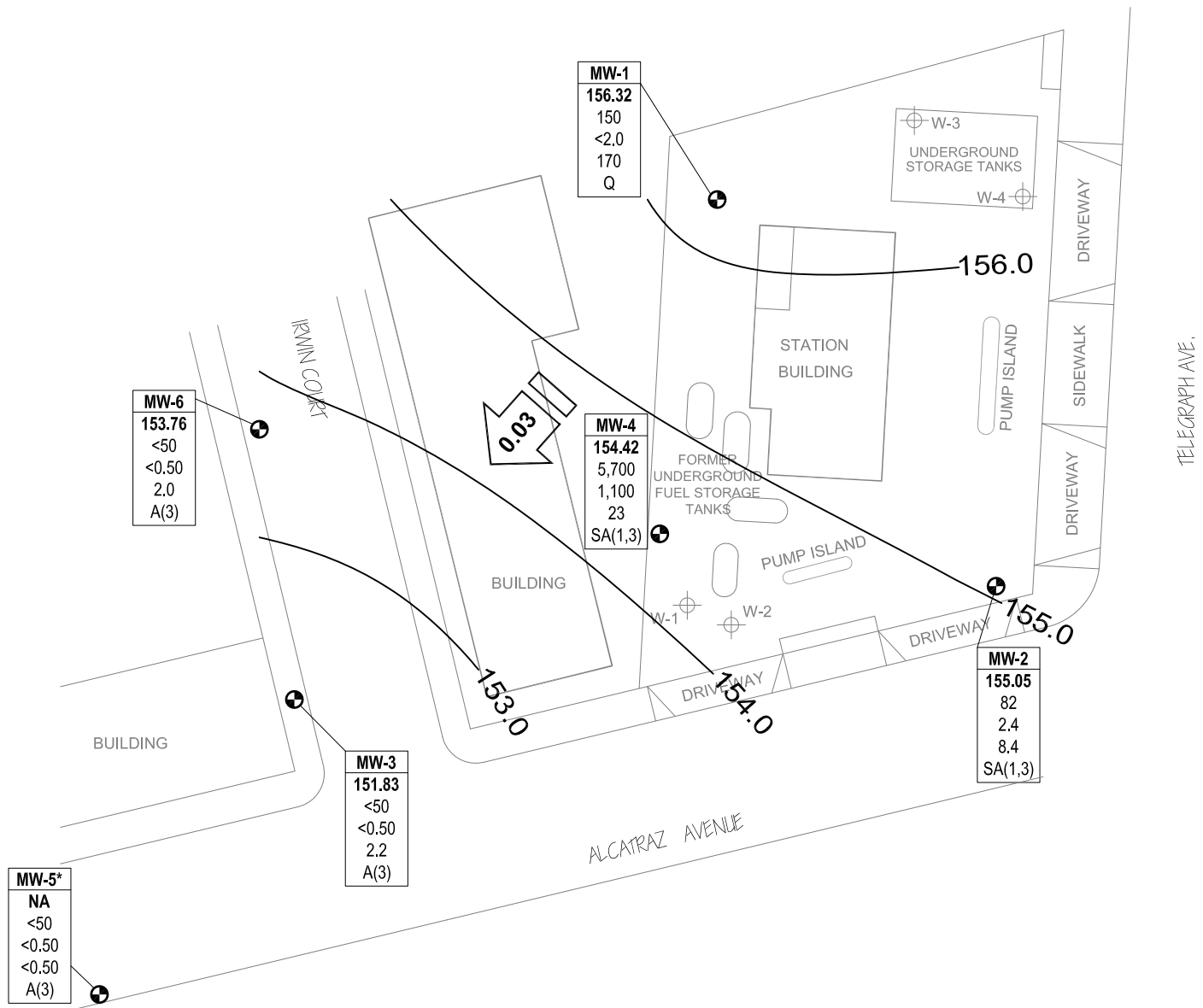
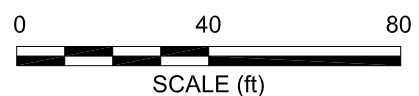
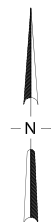


IMAGE SOURCE: USGS



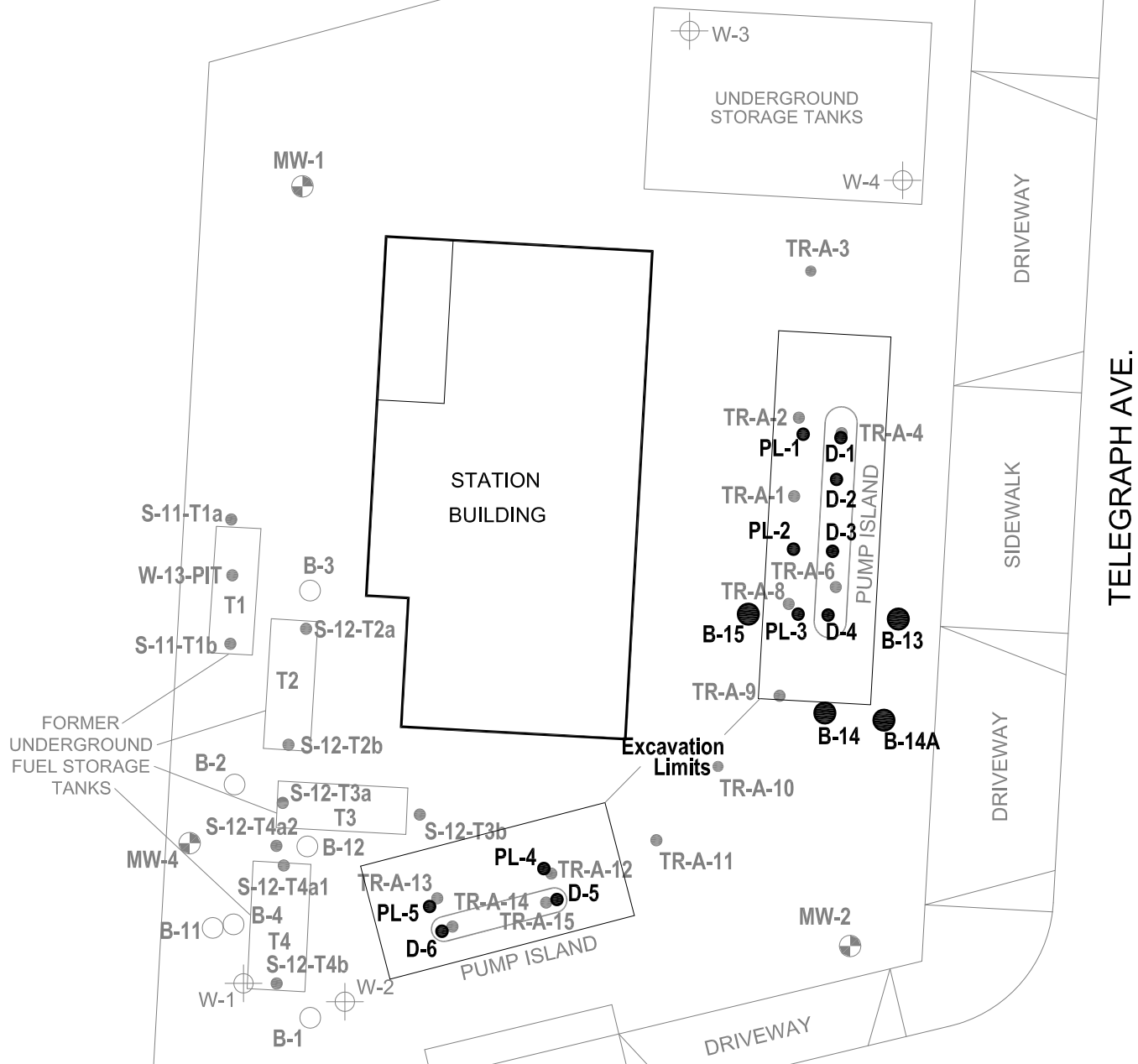
**LEGEND**

- MONITORING WELL
- TANK PIT MONITORING WELL
- Well** — WELL DESIGNATION
- ELEV** — GROUND-WATER ELEVATION (FT)
- GRO** — GRO, BENZENE & MTBE CONCENTRATIONS IN GROUND WATER (µg/L)
- Benzene**
- MTBE**
- A/Q/SA** — SAMPLING FREQUENCY
- < — NOT DETECTED AT OR ABOVE LABORATORY LIMITS
- Q — SAMPLED QUARTERLY
- SA(1,3) — SAMPLED SEMI-ANNUALLY, 1ST & 3RD QUARTERS
- A(3) — SAMPLED ANNUALLY, 3RD QUARTER
- NS/NA — NOT SAMPLED/ NOT AVAILABLE
- APPROXIMATE GROUND-WATER FLOW AND DIRECTION (FT/FT)
- 155.0 — GROUND-WATER ELEVATION CONTOUR (FT)
- \* — Elevation not used for contours



NOTE: SITE MAP ADAPTED FROM IT CORPORATION FIGURES.  
SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

NOTE: SITE SKETCH ADAPTED FROM VARIOUS HISTORIC FIGURES.  
 SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

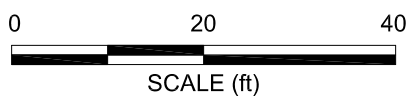
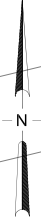


FORMER  
 UNDERGROUND  
 FUEL STORAGE  
 TANKS

Excavation  
 Limits

**LEGEND**

- SOIL BORING LOCATION
- DEC. 2008 SOIL SAMPLE
- ⊕ MONITORING WELL
- ⊕ TANK-PIT WELL
- HISTORIC BORING
- HISTORIC SAMPLE



ALCATRAZ AVENUE

TELEGRAPH AVE.

DRIVEWAY

DRIVEWAY

DRIVEWAY

SIDEWALK

DRIVEWAY