



**BUREAU
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December 3, 2007

Cleet Carlton
REGIONAL WATER QUALITY CONTROL BOARD
1515 Clay Street, Suite 1400
Oakland, California 94612

Project No. 33100-000509.04.01

Subject: Annual Groundwater Monitoring 2007
5050, 5051, and 5200 Coliseum Way and 750-50th Avenue
Oakland, California SLIC No. 01S0422

Dear Mr. Carlton:

Enclosed please find Bureau Veritas North America, Inc's *Annual Groundwater Monitoring Report 2007* for the property located at *5050, 5051, and 5200 Coliseum Way and 750-50th Avenue, Oakland, California.*

Bureau Veritas, under penalty of perjury as an authorized representative of 5050 Coliseum, LLC and Oakland 5051 LLC, presents this report as true and correct to the best of our knowledge. If you have any questions or comments, please call me at (925) 426-2686.

Sincerely,

Jon A. Rosso
Regional Director
Environmental Services
San Francisco Regional Office

Alameda County
DEC 10 2007
Environmental Health

JAR/daa

cc: Matthew Robinson - Environmental Operations, Inc.
Tim Colvig - Wulfsberg Reese & Sykes
Barney Chan - Alameda County Health Care Services
William Wick - Wactor & Wick, LLP

Enclosures



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Alameda County

DEC 10 2007

Environmental Health

Annual Groundwater Monitoring 2007

5050, 5051, and 5200 Coliseum Way
& 750-50th Street
Oakland, California

December 3, 2007

Project Number 33100-000509.04.001

Prepared for
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c/o Commercial Development Company, Inc,
St. Louis, Missouri

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1.0 INTRODUCTION

Bureau Veritas North America, Inc. (Bureau Veritas), *formerly Clayton Group Services*, performed annual groundwater monitoring activities on September 26 and 27, 2007 at the Coliseum Way Properties located at 5050, 5051, and 5200 Coliseum Way and 750-50th Avenue in Oakland, California, the subject property (Figures 1 and 2). The California Regional Water Quality Control Board - San Francisco Bay Region (RWQCB) requested that groundwater monitoring be performed at the subject property to monitor the fate of petroleum hydrocarbons and metal ions. The RWQCB identified the subject property as a Spills, Leaks, Investigations and Cleanups site (SLIC No. 01S0422) and issued Site Cleanup Requirements (SCR No. 01-032).

The annual self monitoring program is presented in Table 1. The 2006 monitoring event included collecting depth to water measurements from 19 groundwater monitoring wells and groundwater samples from 12 of the 19 wells. Field measurements of groundwater depths in wells, water quality parameters, and samplings were carried out on September 26 and 27, 2007. Also, weep water sampling was conducted on September 26, 2007 in the storm channel along the northwest side of the 5051 site. This report presents groundwater measurements recorded in the field and the results of laboratory analyses for the 2007 annual monitoring event.

2.0 SITE SETTING

The subject property is located just east of Interstate 880 in Oakland, California. Regionally, groundwater flows from the Oakland hills west towards San Leandro Bay. The 5050 and 5200 sites encompass approximately 10 acres and the 5051 site is approximately 4.4 acres of relatively flat ground approximately 7 to 15 feet above sea level.

The subject property and surrounding area have a long history of industrial usage. The 5050 site (which includes 750-50th Avenue) is the location of former lead smelting operations (1879-1903), acids manufacturing (1903-1917), various chemical operations (1917-1926), lithopone manufacturing (1926-1963), vacant or razed property (1963-1974), and truck maintenance operations (1974 to the present). The 5051 site and the mini-storage facility at the 5200 site were part of the former lithopone manufacturing facility.

Tidally influenced storm water drainage channels border the subject property on three sides (Figure 2); these flow into San Leandro Bay, approximately one-half mile to the west. An open and unlined channel parallels the southeast boundary of the 5051 and 5200 sites. Two subsurface culverts, the Courtland Creek Culvert and the Second Line G Culvert parallel the northwest boundaries of the 5050 and 750-50th Avenue sites. The two culverts merge into an open concrete-lined channel south of the intersection of Coliseum Way and 50th Avenue. The drainage channel is open and concrete-lined along the northwestern perimeter of the 5051 site, and is open and unlined along the southwestern perimeter of the site, prior to flowing under Interstate 880.



Due to the elevated metal concentrations in groundwater along the western property boundary near wells LF-5, LF-12, CW-13, MWA-1, and MW-4) surface water and weep water sampling was conducted in January 1999. No significant migration of metals contaminated groundwater to adjacent surface water channels along the western property boundary was found, except for soluble cadmium and zinc in weep holes along the west boundary of the 5051 property, primarily near wells MWA-1 and MW-4. Flow from these holes was evaluated and appeared to be minimal, on the order of one gallon or less per minute and only during very low tides. As a remedial action for the 5051 property, a groundwater diversion barrier, or groundwater barrier wall, was constructed between October 30 and November 1, 2001, as outlined in the site cleanup requirements (Task 4 of Board Order No. 01-032, March 21, 2001). The groundwater barrier wall (approximately 350 feet in length) was constructed of interlocking sheetpiles along the west property boundary (Figure 2) to a total depth of between 15 and 20 feet below ground surface (bgs) to impede groundwater that contains elevated concentrations of soluble metals from flowing into the surface water channel that borders this portion of the subject property. Weep-water monitoring was initiated during the second quarter of 2002 to confirm the quality of the groundwater entering the adjacent surface water channel west of the 5051 property following the installation of the groundwater barrier wall.

The 5051 site was paved in August 2002 for use as a parking lot, covering virtually the entire site. The paving reportedly occurred to enhance the adjacent Flea Market business. The pavement limits water percolation into the subsurface during the wet months, which is believed to further limit the potential migration of soluble metals in groundwater to the adjacent surface water channels.

Clayton submitted a letter to the RWQCB to further reduce the sampling program to an annual event (*Status Report and Request for Revision to Self Monitoring Program*, May 2, 2005). The request was approved by the RWQCB in July 2005 with a couple of additions, which were incorporated into the Self Monitoring Program outlined in Table 1.

3.0 FIELD ACTIVITIES

The following discussion outlines field activities used to obtain depth to water measurements, monitoring-well and weep-water samples, and other field data.

3.1 DEPTH TO WATER MEASUREMENTS

Depth to water measurements were obtained from the 19 wells in the monitoring program on September 19, 2007. The wells were opened and allowed to stabilize prior to measuring the depth to water. Measurements were obtained in a timely manner in order to minimize tidal effects. The depth to water in each monitoring well was measured with a water level indicator meter from the top of the monitoring well casing to the free water surface. The depth to water measurement was used to determine the groundwater elevation at each monitoring well location, and also to determine the groundwater purge volume for each monitoring well. The depth to water measurements and the calculated groundwater elevation for each monitoring well are presented in Table 2.



3.2 MONITORING WELL SAMPLES

Groundwater samples were collected from 12 monitoring wells (CW-1, CW-2, CW-6, CW-7, CW-12, CW-13, LF-5, LF-11, LF-12, MWA-1, MW-4 and MW-5) on September 26 and 27, 2007. The monitoring wells selected for sampling were purged of approximately three well casing volumes of groundwater, until the water quality parameters had stabilized, or until the well dewatered. A new disposable bailer was used to purge groundwater from each well. During purging, the groundwater quality was monitored in the field for the following parameters: temperature, pH, specific conductance, and turbidity. The water quality parameters were recorded on groundwater sampling data sheets. After purging, a new disposable bailer was used to collect a groundwater sample from each select monitoring well. Groundwater samples were collected in appropriate laboratory-supplied containers. The containers were sealed, labeled with identifying information, entered onto a formal chain-of-custody document, and placed in a chilled ice-chest for transportation to the laboratory.

3.3 WEEP WATER SAMPLES

Weep-water monitoring is conducted during a low-tide event by collecting up to six water samples from the exposed drain holes located at the base of the concrete-lined drainage channel wall that parallels a portion of the 5051 site. The sampling is conducted where weep-water flow is adequate to allow for the collection of grab-water samples. An effort is made to collect samples from the same weep holes during each sampling event; however, variations in the limited flow does not always allow this and some adjustment in sample locations is periodically made. During the first sampling event in 1999, it was estimated that groundwater weeping from all of the weep holes along the channel wall flowed collectively at a rate of less than one-gallon per minute.

Weep-water sample locations are identified by sequential numbering of the weep holes counting south from the bend in the channel. The water samples are collected in an appropriate laboratory supplied container and submitted for total metal analyses for cadmium and zinc. These metals were selected as the metals of concern from a previous baseline sampling (*Additional Remedial Investigation 1999 at 5050, 5051, and 5200 Coliseum Way and 750-50th Avenue, Oakland, California, May 25, 1999, Clayton*).

The sampling event conducted on September 26, 2007 was at a low tide stand of approximately 0.5 feet mean lower low water. Samples were collected by propping up a sampler container against the concrete wall in a manner that captured most if not all of the weeping water in the container without collecting sediment or other material. During the sampling event only three weep holes (holes 4, 8, and 12) had flows rates that would readily fill a one liter sample container within 30 minutes or less. Holes 10 and 16 required more than 35 minutes to fill a sample jar, and weep hole 18 only filled half a jar in 40 minutes. Observations of the other weep holes found the remaining holes with even lower flow rates than the holes sampled or no apparent flow at all. At the completion of sampling, the sample jars were sealed, labeled, and placed into a cooler with ice for transportation to a state certified laboratory. A chain of custody document was prepared, which identifies the samples, sample date and time, and the analytical program. This document accompanied the samples to the laboratory.



During this sampling event the joint at the base of the channel wall was exposed between weep holes 1 and about 8 (the area that typically has the highest flow rates and highest soluble metals concentrations). Joints between wall sections at the base of the wall and between wall panels were observed and no appreciable flow was identified. No weeping was observed farther up-channel.

4.0 LABORATORY ANALYSES

Water samples collected from the 12 monitoring wells and 6 weep water holes were submitted to Curtis & Tompkins, Ltd. Analytical Laboratory located in Berkeley, California, a State of California certified laboratory for analyses. The water samples submitted for metals analyses were filtered and preserved by the laboratory, and analyzed by one or more of the following United States Environmental Protection Agency (USEPA) methods:

- EPA Method 6010B for total metals as Arsenic and Barium for samples CW-1, CW-2, CW-6 and CW-7.
- EPA Method 6010B for total metals as Cadmium, and Zinc for samples CW-1, CW-6 and CW-12, CW-13, LF-5, LF-11, LF-12, MWA-1, MW-4, MW-5, and weep hole samples WW-4, WW-8, WW-10, WW-12, WW-16, and WW-18.
- EPA Method 9040B for pH for weep hole samples. (Note: pH values for wells were obtained using a field meter.)
- EPA Method 8015B modified for Total Petroleum Hydrocarbons as Gasoline (TPH-G) MWA-1 only.
- Method 8021B for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) for MWA-1 only.

5.0 FINDINGS AND CONCLUSIONS

Bureau Veritas evaluated the depth to water measurements in the 19 monitored wells and analytical results from the groundwater and weep-water samples to assess the site conditions for significant changes when compared to historic data generated at this site beginning in 1991. The results of this evaluation are presented below.

5.1 SITE HYDROLOGY

The groundwater elevations in the 5050, 5051 and 5200 Coliseum Way monitoring well network ranged from a low of 1.04 feet in monitoring well CW-12 to a high of 5.63 feet in monitoring well LF-13. Depth to groundwater measurements and groundwater elevation data are presented in Table 2. The potentiometric surface map prepared from the September 19, 2007 groundwater elevation data (Figure 3) indicates two highs that tend to mimic the surface topography with groundwater flowing in radial patterns to the west, south, and east. The subject property groundwater flow directions appear to be influenced by the surrounding storm water channels and ditches and are typical of historical events. A typical hydraulic gradient as measured between wells LF-11 and LF-12 (a westerly gradient) is 0.017 feet per foot (ft/ft).



5.2 ANALYTICAL RESULTS

The following discussion summarizes the findings of the laboratory analytical results from this sampling event.

5.2.1 Petroleum Hydrocarbons in Groundwater

The TPH-G concentration in sample MWA-1 was 0.14 milligrams per liter (mg/L) with benzene at 0.00092 mg/L (Table 3). These petroleum hydrocarbon concentrations are similar to the historic concentrations at this well, indicating no appreciable change in the groundwater quality at this location.

5.2.2 Metals in Groundwater Samples

Twelve groundwater samples were submitted for metals analyses. Four of the samples were analyzed for total arsenic (As) and barium (Ba); CW-1, CW-2, CW-6, and CW-7, and 10 of the samples were analyzed for total cadmium (Cd) and zinc (Zn): CW-1, CW-6, CW-12, CW-13, LF-5, LF-11, LF-12, MWA-1, MW-4, and MW-5. The reported metals concentrations show no significant changes in concentrations when compared to the historic concentrations at their respective locations; however, a slight upward shift was noted in the cadmium and zinc concentrations in LF-5 over the last three to four years. During this same period, the cadmium and zinc concentrations in LF-12 and CW-13 have decreased slightly. An increase in arsenic and zinc concentrations in CW-6 for this event was noted; however, this is likely due to the sample being unfiltered prior to analysis. A summary of the metals concentrations in groundwater is presented in Table 4. Isoconcentration maps for arsenic, barium, cadmium, and zinc in groundwater are presented in Figures 4, 5, 6, and 7, respectively.

5.2.3 Metals in Weep-Water Samples

The six weep-water samples were analyzed for cadmium and zinc, the metals of concern. Cadmium concentrations were found to be below the laboratory reporting limit in the southern three samples and ranged from 0.0058 to 0.400 mg/L in the northern three samples. Zinc was detected in all six samples and ranged from 0.53 to 36.0 mg/L. A summary of the current and historic metals results is presented in Table 5 and a summary of the current results with sample locations are shown on Figure 8.

Weep water hole number 4 has consistently exhibited the highest metal concentrations for both cadmium and zinc. The zinc concentrations at this hole have also varied the most over time, from a low of 9.4 mg/L in 1999 (initial sampling) to a high of 140 mg/L in the 2002 and 2004 events. This amounts to a fluctuation of a little over an order of magnitude with an average concentration of 59.4 mg/L for 17 sampling events. Chart 1 shows the zinc concentrations for weep holes 4, 8, and 12 (typically the most active weep holes with the greatest concentrations) over time. The range of concentrations plotted over time appears to indicate a fairly flat trend.



5.3 METALS MASS LOADING TO SURFACE WATERS

In 1999, an investigation was conducted to determine if surface water loading was occurring by migration of soluble metals in groundwater from the Coliseum Way properties (*Additional Remedial Investigation*, dated May 25, 1999 by Clayton). The investigation concluded that the only significant release of metals from the Coliseum Way properties was zinc from weep holes at the 5051 property. It was estimated that approximately 7.6 pounds of zinc per year were impacting surface waters along a portion of the northwest property boundary. It was also calculated that zinc loading to storm water in the adjacent channel from upgradient sources exceeded 2000 pounds per year. Since 1999, two remedial actions have taken place at the 5051 property: 1) a sheet pile wall was installed in late 2001 along the northwest property boundary, and 2) most of the property was paved in 2002, potentially limiting the influx of rain water to groundwater that could further drive the migration of soluble metals to nearby surface waters. Other possible remedial actions were considered in 1999. An engineering study of the stability of the concrete channel wall was conducted and it was found that the wall strength was minimal and damming of groundwater behind the wall could cause the wall to fail. Therefore, the installation of a sheetpile wall to restrict groundwater migration was chosen, but it had to be set back approximately 30 or more feet from the channel wall.

Although the 5051 property has been investigated since 1995, surface water loading by metals evaluations began in 1998 and the weep holes were only sampled once in 1999 prior to the implementation of the two remedial activities. Post remedial sampling of the weep holes indicates reasonably consistent trends in metals concentrations in the weep water samples (Chart 1). The zinc concentrations in nearby well MW-4 (a well between the sheetpile wall and the stormwater channel) have reduced. Pre-remedial activity zinc concentrations are available and were as high as 1,400 mg/L in 1998, while post-remedial concentrations have remained between 460 and 780 mg/L.

To further evaluate the potential metals mass loading to surface water from weep holes, Bureau Veritas again estimated the flow rates from each sampled weep hole by noting the time required to fill each sample container. This was converted to a weep hole flow rate. However, the weep holes are only exposed at low tide due to their elevation. Tidal effects cause water to flow into and out of the weep holes and channel banks as the tide rises and falls. Therefore, stormwater runoff and sea water mix and impact the channel banks with contaminant loads, some of which is zinc. When the weep holes are exposed at low tide, it is reasonable to assume that the flow out of the holes is at its greatest rate and the water is a mix of groundwater and stormwater. The weep hole flow rate, a short term flow rate at sampling would require an adjustment or reduction to begin to approximate the actual metals loading impact to surface waters over the long term. Therefore, Bureau Veritas calculated annual flow rates for one-half of the time, which is considered to be very conservative and is similar to the logic used in the 1999 flow model. The conservative nature of this model is expected to account for any uncaptured water flowing from the weep holes during sampling and from the other more limited weeps. Field observations indicate, as in past events, that generally only up to about 6 holes have measurable flow to allow sampling during the brief periods that the weep holes are exposed. No other weeping was observed along wall panel joints or the surrounding area. Also, the most significant weep flows and metal concentrations have been limited to the northern channel wall weep holes near wells MWA-1 and MW-4.



Zinc concentrations from this sampling event (Table 5) were used to calculate the mass loading of zinc to the adjacent storm channel. The annual zinc mass loading rate was calculated as 1.49 pounds per year by determining the flow rate and zinc concentration at each sampled weep hole from the recently sampled six weep holes, summing the quantities and dividing by two to adjust for tidal effects (see Table 6). The collective weep water flow rate was also calculated at 0.058 gallons per minute, more than an order of magnitude less than the estimated flow rate used in the 1999 model.

6.0 RECOMMENDATIONS

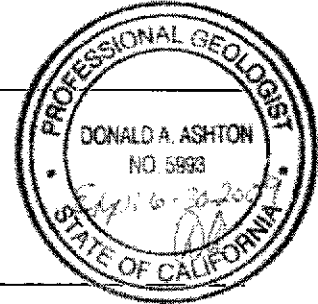
Taken as a whole, data generated since 1999 support a conclusion that conditions at the Coliseum Way properties are essentially stable and identified contaminants appear to be confined to the site; the only notable exception identified is the minor weeping to surface waters along a portion of the 5051 property. The pre-remedial conditions can not be established due to the lack of data prior to 1999; however, mass loading of metals to surface waters has been calculated at a much lower rate than the 1999 estimate, which was used to establish the Site Cleanup Requirements in 2001 and the concentrations of Zn in MW-4 have reduced from a high of 1,400 ug/L. Bureau Veritas recommends that the monitoring program in place be continued on an annual basis to further monitor site conditions.



The information and opinions rendered in this report was prepared on behalf of 5050 Coliseum LLC. The information and opinions included in this report were given in response to a specific scope of work and should be considered and implemented only in light of that particular scope of work. The services provided by Bureau Veritas in completing this project have been provided in a manner consistent with the normal standards of the profession. No other warranty, expressed or implied, is made.

This report prepared by:

Donald A. Ashton, P.G., REA
Senior Geologist
Environmental Services



This report reviewed by:

Jon Rosso, P.E.
Regional Director
Environmental Services
San Francisco Regional Office

December 3, 2007

Project No. 33100-000509.04.001

TABLE 1
Self Monitoring Program*
Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

SITE	SAMPLE LOCATION	TPH-g/BTEX	As	Ba	Cd	Zn	GW Elevation
5050	LF-2						1
5050	LF-5				1	1	1
5050	LF-6						1
5050	LF-11				1	1	1
5050	LF-12				1	1	1
5050	LF-13						1
5050	LF-17						1
5050	CW-13				1	1	1
5051	MWA-1	1			1	1	1
5051	MWA-2						1
5051	MWA-3						1
5051	MW-4				1	1	1
5051	MW-5				1	1	1
ACPWA-W	CW-12				1	1	1
ACPWA-W	6 Weep Holes				6	6	
5200	CW-1		1	1	1	1	1
5200	CW-2		1	1			1
5200	CW-4						1
ACPWA-E	CW-6		1	1	1	1	1
ACPWA-E	CW-7		1	1			1
TOTALS		1	4	4	16	16	19

Notes:

* = Self Monitoring Program reduced to an annual monitoring in July 2005

TPH-g/BTEX = Total Petroleum Hydrocarbons as Gasoline / Benzene, Toluene, Ethylbenzene, & Xylenes

As = Total metals as arsenic

Ba = Total metals as barium

Cd = Total metals as cadmium

Zn = Total metals as zinc

GW Elevation = Groundwater Elevation in Feet Above Mean Sea Level

ACPWA = Alameda County Public Works Agency property, -W is west property, -E is east property

TABLE 2
Groundwater Elevation Data
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site ID	Monitoring Well	Groundwater Measurement Date	Top of Casing Elevation NGVD29 Datum (ft)	Depth to Groundwater (ft)	Footnote	Groundwater Elevation NGVD29 Datum (ft)	Change from Previous Groundwater Measurement (ft)
5050	LF-2	07-Nov-91	Corrected 9.80	7.26	C	2.54	
	LF-2	04-Mar-92		5.14		4.66	2.12
	LF-2	26-Oct-92		6.28		3.52	-1.14
	LF-2	14-Apr-93		4.95		4.85	1.33
	LF-2	24-May-93		5.09		4.71	-0.14
	LF-2	14-Jun-93		5.21		4.59	-0.12
	LF-2	30-Jul-93		5.38		4.42	-0.17
	LF-2	31-Aug-93		5.57		4.23	-0.19
	LF-2	27-Sep-93		5.70		4.10	-0.13
	LF-2	25-Oct-93		5.80		4.00	-0.10
	LF-2	02-Nov-93		5.86		3.94	-0.06
	LF-2	08-Dec-93		6.21		3.59	-0.35
	LF-2	28-Jan-94		6.12		3.68	0.09
	LF-2	15-Feb-94		6.07		3.73	0.05
	LF-2	24-May-94		5.65		4.15	0.42
	LF-2	21-Sep-94		6.00		3.80	-0.35
	LF-2	19-Dec-94		5.91		3.89	0.09
	LF-2	13-Mar-95		4.30		5.50	1.61
	LF-2	07-Jun-95		4.36		5.44	-0.06
	LF-2	05-Sep-95		5.12		4.68	-0.76
	LF-2	18-Dec-95		5.56		4.24	-0.44
	LF-2	19-Aug-97		5.28		4.52	0.28
	LF-2	10-Dec-97		5.35		4.45	-0.07
	LF-2	23-Mar-98		3.98		5.82	1.37
	LF-2	17-Jun-98		4.13		5.67	-0.15
	LF-2	30-Sep-98		5.00		4.80	-0.87
	LF-2	03-Dec-98		5.16		4.64	-0.16
	LF-2	23-Feb-99		3.84		5.96	1.32
	LF-2	26-May-99		4.34		5.46	-0.50
	LF-2	15-Sep-99		5.14		4.66	-0.80
	LF-2	06-Dec-99		5.52		4.28	-0.38
	LF-2	29-Mar-00		4.08		5.72	1.44
	LF-2	14-Dec-00		5.64		4.16	-1.56
	LF-2	27-Mar-01		4.56		5.24	1.08
	LF-2	11-Jun-01		4.94		4.86	-0.38
	LF-2	30-Aug-01		5.40		4.40	-0.46
	LF-2	06-Dec-01		5.92		3.88	-0.52
	LF-2	18-Mar-02	4.89	4.91	1.03		
	LF-2	24-Jun-02	4.89	4.91	0.00		
	LF-2	21-Aug-02	5.18	4.62	-0.29		
LF-2	19-Nov-02	6.04	3.76	-0.86			
LF-2	18-Feb-03	5.15	4.65	0.89			
LF-2	14-May-03	4.82	4.98	0.33			
LF-2	12-Aug-03	5.21	4.59	-0.39			
LF-2	18-Nov-03	6.01	3.79	-0.80			
LF-2	23-Feb-04	4.83	4.97	1.18			
LF-2	13-May-04	4.99	4.81	-0.16			
LF-2	16-Aug-04	5.31	4.49	-0.32			
LF-2	08-Dec-04	5.84	3.96	-0.53			
LF-2	10-Feb-05	5.80	4.00	0.04			
LF-2	15-Aug-06	9.80	4.89	0.91			
LF-2	19-Sep-07		5.44	4.36	-0.55		

TABLE 2
Groundwater Elevation Data
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site ID	Monitoring Well	Groundwater Measurement Date	Top of Casing Elevation NGVD29 Datum (ft)	Depth to Groundwater (ft)	Footnote	Groundwater Elevation NGVD29 Datum (ft)	Change from Previous Groundwater Measurement (ft)	
5050	LF-5	07-Nov-91	Corrected 8.04	7.34	C	0.70		
	LF-5	26-Oct-92		7.05		0.99	0.29	
	LF-5	04-Mar-92		6.05		1.99	1.00	
	LF-5	14-Apr-93		6.25		1.79	-0.20	
	LF-5	24-May-93		6.61		1.43	-0.36	
	LF-5	14-Jun-93		6.97		1.07	-0.36	
	LF-5	30-Jul-93		6.72		1.32	0.25	
	LF-5	31-Aug-93		6.84		1.20	-0.12	
	LF-5	27-Sep-93		7.10		0.94	-0.26	
	LF-5	25-Oct-93		7.11		0.93	-0.01	
	LF-5	02-Nov-93		7.04		1.00	0.07	
	LF-5	08-Dec-93		7.27		0.77	-0.23	
	LF-5	28-Jan-94		6.82		1.22	0.45	
	LF-5	15-Feb-94		6.85		1.19	-0.03	
	LF-5	24-May-94		6.76		1.28	0.09	
	LF-5	21-Sep-94		7.05		0.99	-0.29	
	LF-5	19-Dec-94		6.48		1.56	0.57	
	LF-5	13-Mar-95		5.25		2.79	1.23	
	LF-5	07-Jun-95		5.98		2.06	-0.73	
	LF-5	05-Sep-95		6.42		1.62	-0.44	
	LF-5	18-Dec-95		5.87		2.17	0.55	
	LF-5	19-Aug-97		5.95		2.09	-0.08	
	LF-5	10-Dec-97		5.20		2.84	0.75	
	LF-5	23-Mar-98		4.72		3.32	0.48	
	LF-5	17-Jun-98		5.29		2.75	-0.57	
	LF-5	30-Sep-98		6.10		1.94	-0.81	
	LF-5	03-Dec-98		6.03		2.01	0.07	
	LF-5	23-Feb-99		4.43		3.61	1.60	
	LF-5	26-May-99		5.86		2.18	-1.43	
	LF-5	15-Sep-99		6.24		1.80	-0.38	
	LF-5	06-Dec-99		6.54		1.50	-0.30	
	LF-5	26-Mar-00		4.84		3.20	1.70	
	LF-5	14-Dec-00		6.08		1.96	-1.24	
	LF-5	27-Mar-01		4.98		3.06	1.10	
	LF-5	11-Jun-01		5.45		2.59	-0.47	
	LF-5	30-Aug-01		5.96		2.08	-0.51	
	LF-5	06-Dec-01		5.92		2.12	0.04	
	LF-5	18-Mar-01			Not Sampled, car parked on wellhead			
	LF-5	24-Jun-02			Not Sampled, car parked on wellhead			
	LF-5	21-Aug-02			5.55	2.49	0.37	
	LF-5	19-Nov-02			6.23	1.81	-0.68	
	LF-5	18-Feb-03			5.28	2.76	0.95	
	LF-5	14-May-03			5.05	2.99	0.23	
LF-5	12-Aug-03			5.72	2.32	-0.67		
LF-5	18-Nov-03			6.22	1.82	-0.50		
LF-5	23-Feb-04			4.97	3.07	1.25		
LF-5	13-May-04			5.32	2.72	-0.35		
LF-5	16-Aug-04			5.73	2.31	-0.41		
LF-5	08-Dec-04			5.88	2.16	-0.15		
LF-5	10-Feb-05			5.81	2.23	0.07		
LF-5	15-Aug-06		8.04	5.09	C	2.95	0.72	
LF-5	19-Sep-07			5.75		2.29	-0.66	

TABLE 2
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Site ID	Monitoring Well	Groundwater Measurement Date	Top of Casing Elevation NGVD29 Datum (ft)	Depth to Groundwater (ft)	Footnote	Groundwater Elevation NGVD29 Datum (ft)	Change from Previous Groundwater Measurement (ft)
5050	LF-6	07-Nov-91	Corrected 11.62	8.59	C	3.03	
	LF-6	26-Oct-92		8.82		2.80	-0.23
	LF-6	04-Mar-92	5.79	5.83		3.03	
	LF-6	14-Apr-93	5.41	6.21		0.38	
	LF-6	24-May-93	6.05	5.57		-0.64	
	LF-6	14-Jun-93	6.29	5.33		-0.24	
	LF-6	30-Jul-93	6.83	4.79		-0.54	
	LF-6	31-Aug-93	7.27	4.35		-0.44	
	LF-6	27-Sep-93	7.61	4.01		-0.34	
	LF-6	25-Oct-93	7.79	3.83		-0.18	
	LF-6	02-Nov-93	8.07	3.55		-0.28	
	LF-6	08-Dec-93	7.34	4.28		0.73	
	LF-6	28-Jan-94	6.37	5.25		0.97	
	LF-6	15-Feb-94	5.98	5.64		0.39	
	LF-6	24-May-94	6.14	5.48		-0.16	
	LF-6	21-Sep-94	7.39	4.23		-1.25	
	LF-6	19-Dec-94	6.12	5.50		1.27	
	LF-6	13-Mar-95	4.98	6.64		1.14	
	LF-6	07-Jun-95	5.03	6.59		-0.05	
	LF-6	05-Sep-95	6.23	5.39		-1.20	
	LF-6	18-Dec-95	5.71	5.91		0.52	
	LF-6	23-Mar-98	4.10	7.52		1.61	
	LF-6	17-Jun-98	4.82	6.80		-0.72	
	LF-6	30-Sep-98	6.04	5.58		-1.22	
	LF-6	03-Dec-98	5.42	6.20		0.62	
	LF-6	23-Feb-99	4.63	6.99		0.79	
	LF-6	26-May-99	5.16	6.46		-0.53	
	LF-6	15-Sep-99	6.21	5.41		-1.05	
	LF-6	06-Dec-99	6.48	5.14		-0.27	
	LF-6	29-Mar-00	4.86	6.76		1.62	
	LF-6	14-Dec-00	6.55	5.07		-1.69	
	LF-6	27-Mar-01	5.26	6.36		1.29	
	LF-6	11-Jun-01	5.88	5.74		-0.62	
	LF-6	30-Aug-01	6.59	5.03		-0.71	
	LF-6	06-Dec-01	6.02	5.60		0.57	
	LF-6	18-Mar-02	4.96	6.66		1.06	
	LF-6	24-Jun-02	5.68	5.94		-0.72	
	LF-6	21-Aug-02	6.18	5.44		-0.50	
	LF-6	19-Nov-02	6.44	5.18		-0.26	
	LF-6	18-Feb-03	5.97	5.65		0.47	
LF-6	14-May-03	5.06	6.56	0.91			
LF-6	12-Aug-03	6.12	5.50	-1.06			
LF-6	18-Nov-03	6.42	5.20	-0.30			
LF-6	23-Feb-04	5.98	5.64	0.44			
LF-6	13-May-04	5.48	6.14	0.50			
LF-6	16-Aug-04	6.26	5.36	-0.78			
LF-6	08-Dec-04	6.07	5.55	0.19			
LF-6	10-Feb-05	6.00	5.62	0.07			
LF-6	15-Aug-06	11.62	5.48	0.52	C	6.14	0.52
LF-6	19-Sep-07			6.20		5.42	-0.72

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5050	LF-11	02-Nov-93	Corrected 9.06	11.68	C	-2.61	
	LF-11	08-Dec-93		5.35		3.72	6.33
	LF-11	28-Jan-94		5.27		3.80	0.08
	LF-11	15-Feb-94		5.04		4.03	0.23
	LF-11	24-May-94		4.20		4.87	0.84
	LF-11	21-Sep-94		4.70		4.37	-0.50
	LF-11	19-Dec-94		4.72		4.35	-0.02
	LF-11	13-Mar-95		3.27		5.80	1.45
	LF-11	07-Jun-95		3.75		5.32	-0.48
	LF-11	05-Sep-95		3.70		5.37	0.05
	LF-11	18-Dec-95		4.20		4.87	-0.50
	LF-11	19-Aug-97		3.60		5.47	0.60
	LF-11	10-Dec-97		3.10		5.97	0.50
	LF-11	23-Mar-98		0.00		9.07	3.10
	LF-11	17-Jun-98		1.60		7.47	-1.60
	LF-11	30-Sep-98		3.16		5.80	-1.67
	LF-11	03-Dec-98		4.44		4.52	-1.28
	LF-11	23-Feb-99		2.57		6.39	1.87
	LF-11	26-May-99		2.52		6.44	0.05
	LF-11	15-Sep-99		3.50		5.46	-0.98
	LF-11	06-Dec-99	4.18	4.78	-0.68		
	LF-11	29-Mar-00	2.16	6.80	2.02		
	LF-11	14-Dec-00	3.91	5.05	-1.75		
	LF-11	27-Mar-01	2.62	6.34	1.29		
	LF-11	11-Jun-01	2.06	6.90	0.56		
	LF-11	30-Aug-01	3.74	5.22	-1.68		
	LF-11	06-Dec-01	3.21	5.75	0.53		
	LF-11	18-Mar-02	2.35	6.61	0.86		
	LF-11	24-Jun-02	2.98	5.98	-0.63		
	LF-11	21-Aug-02	3.90	5.06	-0.92		
	LF-11	19-Nov-02	4.40	4.56	-0.50		
	LF-11	18-Feb-03	2.96	6.00	1.44		
	LF-11	14-May-03	2.59	6.37	0.37		
	LF-11	12-Aug-03	3.48	5.48	-0.89		
LF-11	18-Nov-03	4.25	4.71	-0.77			
LF-11	23-Feb-04	2.59	6.37	1.66			
LF-11	13-May-04	2.92	6.04	-0.33			
LF-11	16-Aug-04	3.67	5.29	-0.75			
LF-11	08-Dec-04	2.68	6.28	0.99			
LF-11	10-Feb-05	2.60	6.36	0.08			
LF-11	15-Aug-06	9.06	2.85	-0.15			
LF-11	19-Sep-07		3.52	5.54	-0.67		

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5050	LF-12	02-Nov-93	8.70	7.87		0.83	
	LF-12	08-Dec-93		7.90		0.80	-0.03
	LF-12	28-Jan-94		7.46		1.24	0.44
	LF-12	15-Feb-94		7.66		1.04	-0.20
	LF-12	24-May-94		-		-	-
	LF-12	21-Sep-94			7.80		0.90
	LF-12	19-Dec-94			7.32		1.38
	LF-12	13-Mar-95			6.00		2.70
	LF-12	07-Jun-95			7.40		1.30
	LF-12	05-Sep-95			7.45		1.25
	LF-12	18-Dec-95			6.71		1.99
	LF-12	19-Aug-97			6.89		1.81
	LF-12	10-Dec-97			5.97		2.73
	LF-12	23-Mar-98			5.15		3.55
	LF-12	17-Jun-98			6.64		2.06
	LF-12	30-Sep-98			7.18		1.52
	LF-12	03-Dec-98			6.42		2.28
	LF-12	23-Feb-99			5.80		2.90
	LF-12	26-May-99			6.80		1.90
	LF-12	15-Sep-99			7.22		1.48
	LF-12	06-Dec-99			7.36		1.34
	LF-12	29-Mar-00			6.08		2.62
	LF-12	14-Dec-00			6.92		1.78
	LF-12	27-Mar-01			6.08		2.62
	LF-12	11-Jun-01			6.51		2.19
	LF-12	30-Aug-01			6.94		1.76
	LF-12	06-Dec-01			5.95		2.75
	LF-12	18-Mar-02			6.31		2.39
	LF-12	24-Jun-02			6.40		2.30
	LF-12	21-Aug-02			6.59		2.11
	LF-12	19-Nov-02			6.95		1.75
	LF-12	18-Feb-03			6.18		2.52
	LF-12	14-May-03			6.17		2.53
LF-12	12-Aug-03			6.72		1.98	
LF-12	18-Nov-03			6.95		1.75	
LF-12	23-Feb-04			5.62		3.08	
LF-12	13-May-04			6.24		2.46	
LF-12	16-Aug-04			6.49		2.21	
LF-12	08-Dec-04			5.90		2.80	
LF-12	10-Feb-05			5.85		2.85	
LF-12	15-Aug-06		8.70	5.80	C	2.90	
LF-12	15-Aug-06			6.40		2.30	

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5050	LF-17	08-Dec-93	9.71	6.72	C	2.99	
	LF-17	28-Jan-94		5.86		3.85	0.86
	LF-17	15-Feb-94		5.87		3.84	-0.01
	LF-17	24-May-94		6.00		3.71	-0.13
	LF-17	21-Sep-94		6.88		2.83	-0.88
	LF-17	19-Dec-94		5.45		4.26	1.43
	LF-17	13-Mar-95		4.68		5.03	0.77
	LF-17	07-Jun-95		6.52		3.19	-1.84
	LF-17	05-Sep-95		7.02		2.69	-0.50
	LF-17	18-Dec-95		5.11		4.60	1.91
	LF-17	23-Mar-98		5.00		4.71	0.11
	LF-17	17-Jun-98		5.36		4.35	-0.36
	LF-17	30-Sep-98		6.00		3.71	-0.64
	LF-17	03-Dec-98		4.60		5.11	1.40
	LF-17	23-Feb-99		4.40		5.31	0.20
	LF-17	26-May-99		5.42		4.29	-1.02
	LF-17	15-Sep-99		6.09		3.62	-0.67
	LF-17	06-Dec-99		5.74		3.97	0.35
	LF-17	29-Mar-00		6.20		3.51	-0.46
	LF-17	14-Dec-00		6.30		3.41	-0.10
	LF-17	27-Mar-01		6.14		3.57	0.16
	LF-17	11-Jun-01		6.45		3.26	-0.31
	LF-17	30-Aug-01		6.76		2.95	-0.31
	LF-17	06-Dec-01		4.35		5.36	2.41
	LF-17	18-Mar-02		5.25		4.46	-0.90
	LF-17	24-Jun-02		5.83		3.88	-0.58
	LF-17	21-Aug-02		6.33		3.38	-0.50
	LF-17	19-Nov-02		6.22		3.49	0.11
	LF-17	18-Feb-03		5.35		4.36	0.87
	LF-17	14-May-03		5.63		4.08	-0.28
	LF-17	12-Aug-03		6.32		3.39	-0.69
	LF-17	18-Nov-03		6.20		3.51	0.12
LF-17	23-Feb-04		5.13	4.58	1.07		
LF-17	13-May-04		6.05	3.66	-0.92		
LF-17	16-Aug-04		6.38	3.33	-0.33		
LF-17	08-Dec-04		4.58	5.13	1.80		
LF-17	10-Feb-05		5.75	3.96	-1.17		
LF-17	15-Aug-06		9.71	5.84	3.87	-0.09	
LF-17	19-Sep-07			6.00	3.71	-0.16	

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5051	MWA-1	19-Dec-95 ⁽¹⁾	Corrected 12.26	9.70	C	2.56	
	MWA-1	19-Dec-95 ⁽²⁾		9.64		2.62	0.06
	MWA-1	10-Dec-96 ⁽¹⁾		9.27		2.99	0.37
	MWA-1	10-Dec-96 ⁽²⁾		9.64		2.62	-0.37
	MWA-1	13-Dec-96		9.25		3.01	0.39
	MWA-1	23-Mar-98		7.10		5.16	2.15
	MWA-1	17-Jun-98		8.64		3.62	-1.54
	MWA-1	30-Sep-98		10.09		2.17	-1.45
	MWA-1	03-Dec-98		9.36		2.90	0.73
	MWA-1	23-Feb-99		7.16		5.10	2.20
	MWA-1	26-May-99		9.08		3.18	-1.92
	MWA-1	15-Sep-99		10.59		1.67	-1.51
	MWA-1	06-Dec-99		10.96		1.30	-0.37
	MWA-1	29-Mar-00		8.91		3.35	2.05
	MWA-1	14-Dec-00		10.78		1.48	-1.87
	MWA-1	27-Mar-01		8.66		3.60	2.12
	MWA-1	11-Jun-01		9.73		2.53	-1.07
	MWA-1	30-Aug-01		10.46		1.80	-0.73
	MWA-1	06-Dec-01		8.98		3.28	1.48
	MWA-1	18-Mar-02		8.65		3.61	0.33
	MWA-1	24-Jun-02		9.33		2.93	-0.68
	MWA-1	21-Aug-02		9.62		2.64	-0.29
	MWA-1	19-Nov-02		10.48		1.78	-0.86
	MWA-1	18-Feb-03		8.69		3.57	1.79
	MWA-1	14-May-03		8.65		3.61	0.04
	MWA-1	12-Aug-03		9.21		3.05	-0.56
	MWA-1	18-Nov-03		10.68		1.58	-1.47
	MWA-1	23-Feb-04		8.60		3.66	2.08
	MWA-1	13-May-04		9.03		3.23	-0.43
	MWA-1	16-Aug-04		10.05		2.21	-1.02
	MWA-1	08-Dec-04		9.77		2.49	0.28
	MWA-1	10-Feb-05		8.53		3.73	1.24
MWA-1	15-Aug-06		12.26		8.40	0.13	
MWA-1	19-Sep-07			10.25	C	2.01	-1.85

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5051	MWA-2	19-Dec-95 ⁽¹⁾	Corrected 10.80	3.95	C	6.85	
	MWA-2	19-Dec-95 ⁽²⁾		3.95		6.85	0.00
	MWA-2	10-Dec-96 ⁽¹⁾		3.27		7.53	0.68
	MWA-2	10-Dec-96 ⁽²⁾		6.20		4.60	-2.93
	MWA-2	13-Dec-96		6.00		4.80	0.20
	MWA-2	23-Mar-98		3.24		7.56	2.76
	MWA-2	17-Jun-98		4.22		6.58	-0.98
	MWA-2	30-Sep-98		6.78		4.02	-2.56
	MWA-2	03-Dec-98		5.69		5.11	1.09
	MWA-2	23-Feb-99		1.79		9.01	3.90
	MWA-2	26-May-99		4.95		5.85	-3.16
	MWA-2	15-Sep-99		6.76		4.04	-1.81
	MWA-2	06-Dec-99		6.98		3.82	-0.22
	MWA-2	29-Mar-00		3.56		7.24	3.42
	MWA-2	14-Dec-00		6.90		3.90	-3.34
	MWA-2	27-Mar-01		4.16		6.64	2.74
	MWA-2	11-Jun-01		5.80		5.00	-1.64
	MWA-2	30-Aug-01		7.02		3.78	-1.22
	MWA-2	06-Dec-01		4.01		6.79	3.01
	MWA-2	18-Mar-02		3.11		7.69	0.90
	MWA-2	24-Jun-02		5.73		5.07	-2.62
	MWA-2	21-Aug-02		6.02		4.78	-0.29
	MWA-2	19-Nov-02		5.82		4.98	0.20
	MWA-2	18-Feb-03		4.39		6.41	1.43
	MWA-2	14-May-03		4.76		6.04	-0.37
	MWA-2	12-Aug-03		6.82		3.98	-2.06
	MWA-2	18-Nov-03		5.85		4.95	0.97
	MWA-2	23-Feb-04		3.57		7.23	2.28
	MWA-2	13-May-04		6.16		4.64	-2.59
	MWA-2	16-Aug-04		7.21		3.59	-1.05
	MWA-2	08-Dec-04		4.09		6.71	3.12
MWA-2	10-Feb-05		3.09		7.71	1.00	
MWA-2	15-Aug-06		10.80		4.00	-3.71	
MWA-2	19-Sep-07			7.10		3.70	-0.30

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5051	MWA-3	19-Dec-95 ⁽¹⁾	Corrected 13.50	8.23	C	5.27	
	MWA-3	19-Dec-95 ⁽²⁾		8.22		5.28	
	MWA-3	10-Dec-96 ⁽¹⁾		7.67		5.83	
	MWA-3	10-Dec-96 ⁽²⁾		8.19		5.31	
	MWA-3	13-Dec-96		7.94		5.56	0.25
	MWA-3	23-Mar-98		6.36		7.14	1.58
	MWA-3	17-Jun-98		7.56		5.94	-1.20
	MWA-3	30-Sep-98		8.93		4.57	-1.37
	MWA-3	03-Dec-98		8.70		4.80	0.23
	MWA-3	23-Feb-99		5.10		8.40	3.60
	MWA-3	26-May-99		7.59		5.91	-2.49
	MWA-3	15-Sep-99		9.07		4.43	-1.48
	MWA-3	06-Dec-99		10.84		2.66	-1.77
	MWA-3	29-Mar-00		6.41		7.09	4.43
	MWA-3	14-Dec-00		9.48		4.02	-3.07
	MWA-3	27-Mar-01		5.88		7.62	3.60
	MWA-3	11-Jun-01		8.25		5.25	-2.37
	MWA-3	30-Aug-01		9.18		4.32	-0.93
	MWA-3	06-Dec-01		2.07		11.43	7.11
	MWA-3	18-Mar-02	2.80	10.70	-0.73		
	MWA-3	24-Jun-02	8.03	5.47	-5.23		
	MWA-3	21-Aug-02	5.81	7.69	2.22		
	MWA-3	19-Nov-02	8.81	4.69	-3.00		
	MWA-3	18-Feb-03	8.05	5.45	0.76		
	MWA-3	14-May-03	8.04	5.46	0.01		
	MWA-3	12-Aug-03	8.77	4.73	-0.73		
	MWA-3	18-Nov-03	8.75	4.75	0.02		
	MWA-3	23-Feb-04	7.93	5.57	0.82		
	MWA-3	13-May-04	8.40	5.10	-0.47		
	MWA-3	16-Aug-04	9.00	4.50	-0.60		
MWA-3	08-Dec-04	8.88	4.62	0.12			
MWA-3	10-Feb-05	7.61	5.89	1.27			
MWA-3	15-Aug-06	13.50	8.42	-0.81			
MWA-3	19-Sep-07		9.05	4.45	-0.63		

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5051	MW-4	19-Dec-95 ⁽¹⁾	Corrected 13.21	9.95	C	3.26	
	MW-4	19-Dec-95 ⁽²⁾		11.45		1.76	
	MW-4	10-Dec-96 ⁽¹⁾		9.22		3.99	
	MW-4	10-Dec-96 ⁽²⁾		10.68		2.53	
	MW-4	13-Dec-96		10.00		3.21	0.68
	MW-4	23-Mar-98		9.89		3.32	0.11
	MW-4	17-Jun-98		10.62		2.59	-0.73
	MW-4	30-Sep-98		12.00		1.21	-1.38
	MW-4	03-Dec-98		11.05		2.16	0.95
	MW-4	23-Feb-99		10.15		3.06	0.90
	MW-4	26-May-99		11.37		1.84	-1.22
	MW-4	15-Sep-99		12.59		0.62	-1.22
	MW-4	06-Dec-99		11.66		1.55	0.93
	MW-4	29-Mar-00		10.90		2.31	0.76
	MW-4	14-Dec-00		12.10		1.11	-1.20
	MW-4	27-Mar-01		11.38		1.83	0.72
	MW-4	11-Jun-01		11.86		1.35	-0.48
	MW-4	30-Aug-01		12.57		0.64	-0.71
	MW-4	06-Dec-01		10.68		2.53	1.89
	MW-4	18-Mar-02		11.55		1.66	-0.87
	MW-4	24-Jun-02		12.19		1.02	-0.64
	MW-4	21-Aug-02		12.39		0.82	-0.20
	MW-4	19-Nov-02		11.93		1.28	0.46
	MW-4	18-Feb-03		11.24		1.97	0.69
	MW-4	14-May-03		11.62		1.59	-0.38
	MW-4	12-Aug-03		12.00		1.21	-0.38
	MW-4	18-Nov-03		12.05		1.16	-0.05
	MW-4	23-Feb-04		11.07		2.14	0.98
	MW-4	13-May-04		11.68		1.53	-0.61
	MW-4	16-Aug-04		12.35		0.86	-0.67
MW-4	08-Dec-04		10.51		2.70	1.84	
MW-4	10-Feb-05			11.29		1.92	-0.78
MW-4	15-Aug-06		13.21	11.61	C	1.60	-0.32
MW-4	19-Sep-07			11.82		1.39	-0.21

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5051	MW-5	19-Dec-95 ⁽¹⁾	Corrected 12.44	8.51	C	3.93		
	MW-5	19-Dec-95 ⁽²⁾		8.49		3.95	0.02	
	MW-5	10-Dec-96 ⁽¹⁾		8.16		4.28	0.33	
	MW-5	10-Dec-96 ⁽²⁾		8.62		3.82	-0.46	
	MW-5	13-Dec-96		8.50		3.94	0.12	
	MW-5	23-Mar-98		7.91		4.53	0.59	
	MW-5	17-Jun-98		8.28		4.16	-0.37	
	MW-5	30-Sep-98		8.70		3.74	-0.42	
	MW-5	03-Dec-98		8.87		3.57	-0.17	
	MW-5	23-Feb-99		7.71		4.73	1.16	
	MW-5	26-May-99		8.30		4.14	-0.59	
	MW-5	15-Sep-99		8.94		3.50	-0.64	
	MW-5	06-Dec-99		9.30		3.14	-0.36	
	MW-5	29-Mar-00		8.25		4.19	1.05	
	MW-5	12-Jan-01		8.50		3.94	-0.25	
	MW-5	27-Mar-01		8.10		4.34	0.40	
	MW-5	11-Jun-01		8.70		3.74	-0.60	
	MW-5	30-Aug-01		9.20		3.24	-0.50	
	MW-5	06-Dec-01		8.51		3.93	0.69	
	MW-5	18-Mar-02		8.10		4.34	0.41	
	MW-5	24-Jun-02		8.65		3.79	-0.55	
	MW-5	21-Aug-02		Well not accessible, buried				
	MW-5	19-Nov-02				9.00	3.44	-0.35
	MW-5	18-Feb-03				8.62	3.82	0.38
	MW-5	14-May-03				8.86	3.58	-0.24
	MW-5	12-Aug-03				9.15	3.29	-0.29
	MW-5	18-Nov-03				9.95	2.49	-0.80
	MW-5	23-Feb-04				8.40	4.04	1.55
	MW-5	13-May-04			8.98	3.46	-0.58	
	MW-5	16-Aug-04			9.38	3.06	-0.40	
	MW-5	08-Dec-04			9.14	3.30	0.24	
	MW-5	10-Feb-05			8.55	3.89	0.59	
MW-5	15-Aug-06		12.44	8.92	C	3.52	-0.37	
MW-5	19-Sep-07			9.06		3.38	-0.14	

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5200	CW-1	30-Sep-96	Corrected 13.79	9.22	C	4.57	
	CW-1	19-Aug-97		9.39		4.40	-0.17
	CW-1	10-Dec-97		8.66		5.13	0.73
	CW-1	23-Mar-98		7.55		6.24	1.11
	CW-1	17-Jun-98		8.15		5.64	-0.60
	CW-1	30-Sep-98		9.01		4.78	-0.86
	CW-1	03-Dec-98		9.08		4.71	-0.07
	CW-1	23-Feb-99		8.11		5.68	0.97
	CW-1	26-May-99		8.37		5.42	-0.26
	CW-1	15-Sep-99		9.20		4.59	-0.83
	CW-1	06-Dec-99		9.38		4.41	-0.18
	CW-1	29-Mar-00		8.91		4.88	0.47
	CW-1	14-Dec-00		9.29		4.50	-0.38
	CW-1	27-Mar-01		8.32		5.47	0.97
	CW-1	11-Jun-01		8.70		5.09	-0.38
	CW-1	30-Aug-01		9.24		4.55	-0.54
	CW-1	06-Dec-01		9.07		4.72	0.17
	CW-1	18-Mar-02		8.35		5.44	0.72
	CW-1	24-Jun-02		8.48		5.31	-0.13
	CW-1	21-Aug-02		8.98		4.81	-0.50
	CW-1	19-Nov-02		9.36		4.43	-0.38
	CW-1	18-Feb-03		8.81		4.98	0.55
	CW-1	14-May-03		8.69		5.10	0.12
	CW-1	12-Aug-03		9.26		4.53	-0.57
	CW-1	18-Nov-03		9.85		3.94	-0.59
	CW-1	23-Feb-04		8.56		5.23	1.29
	CW-1	13-May-04		9.90		3.89	-1.34
	CW-1	16-Aug-04		9.34		4.45	0.56
	CW-1	08-Dec-04		8.98		4.81	0.36
	CW-1	10-Feb-05	8.72	5.07	0.26		
CW-1	15-Aug-06	13.79	7.80	5.99	0.92		
CW-1	19-Sep-07		9.40	4.39	-1.60		

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5200	CW-2	30-Sep-96	Corrected 14.69	9.50	C	5.19		
	CW-2	19-Aug-97		9.65		5.04	-0.15	
	CW-2	10-Dec-97		9.30		5.39	0.35	
	CW-2	23-Mar-98		7.79		6.90	1.51	
	CW-2	17-Jun-98		8.43		6.26	-0.64	
	CW-2	30-Sep-98		9.24		5.45	-0.81	
	CW-2	03-Dec-98		9.61		5.08	-0.37	
	CW-2	23-Feb-99		8.69		6.00	0.92	
	CW-2	26-May-99		8.70		5.99	-0.01	
	CW-2	15-Sep-99		9.48		5.21	-0.78	
	CW-2	06-Dec-99		9.88		4.81	-0.40	
	CW-2	29-Mar-00		8.34		6.35	1.54	
	CW-2	14-Dec-00		9.77		4.92	-1.43	
	CW-2	27-Mar-01		8.90		5.79	0.87	
	CW-2	11-Jun-01		9.10		5.59	-0.20	
	CW-2	30-Aug-01		9.61		5.08	-0.51	
	CW-2	06-Dec-01		9.92		4.77	-0.31	
	CW-2	18-Mar-02		8.78		5.91	1.14	
	CW-2	24-Jun-02		9.04		5.65	-0.26	
	CW-2	21-Aug-02		9.38		5.31	-0.34	
	CW-2	19-Nov-02		9.91		4.78	-0.53	
	CW-2	18-Feb-03		9.17		5.52	0.74	
	CW-2	14-May-03		9.07		5.62	0.10	
	CW-2	12-Aug-03		9.60		5.09	-0.53	
	CW-2	18-Nov-03		14.69		10.37	4.32	-0.77
	CW-2	23-Feb-04		9.06		5.63	1.31	
	CW-2	13-May-04		9.19		5.50	-0.13	
	CW-2	16-Aug-04		9.71		4.98	-0.52	
	CW-2	08-Dec-04		9.80		4.89	-0.09	
	CW-2	10-Feb-05		9.60	5.09	0.20		
CW-2	15-Aug-06		14.69	9.05	C	5.64	0.55	
CW-2	19-Sep-07			9.75		4.94	-0.70	

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5200	CW-4	30-Sep-96	Corrected 13.50	8.08	C	5.42	
	CW-4	19-Aug-97		8.92		4.58	-0.84
	CW-4	10-Dec-97		8.06		5.44	0.86
	CW-4	23-Mar-98		6.08		7.42	1.98
	CW-4	17-Jun-98		6.98		6.52	-0.90
	CW-4	30-Sep-98		7.90		5.60	-0.92
	CW-4	03-Dec-98		8.25		5.25	-0.35
	CW-4	23-Feb-99		6.92		6.58	1.33
	CW-4	26-May-99		7.18		6.32	-0.26
	CW-4	15-Sep-99		8.10		5.40	-0.92
	CW-4	06-Dec-99		8.52		4.98	-0.42
	CW-4	29-Mar-00		6.78		6.72	1.74
	CW-4	14-Dec-00		8.51		4.99	-1.73
	CW-4	27-Mar-01		7.38		6.12	1.13
	CW-4	11-Jun-01		7.75		5.75	-0.37
	CW-4	30-Aug-01		8.30		5.20	-0.55
	CW-4	06-Dec-01		8.60		4.90	-0.30
	CW-4	18-Mar-02		7.22		6.28	1.38
	CW-4	24-Jun-02		7.71		5.79	-0.49
	CW-4	21-Aug-02		8.04		5.46	-0.33
	CW-4	19-Nov-02		8.75		4.75	-0.71
	CW-4	18-Feb-03		7.75		5.75	1.00
	CW-4	14-May-03		7.58		5.92	0.17
	CW-4	12-Aug-03		8.09		5.41	-0.51
	CW-4	18-Nov-03		8.87		4.63	-0.78
	CW-4	23-Feb-04		7.59		5.91	1.28
	CW-4	13-May-04		6.72		6.78	0.87
	CW-4	16-Aug-04		8.25		5.25	-1.53
	CW-4	08-Dec-04		8.32		5.18	-0.07
	CW-4	10-Feb-05	8.21	5.29	0.11		
	CW-4	15-Aug-06	13.50	7.55	C	5.95	0.66
CW-4	19-Sep-07				5.32	-0.63	

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ACPWA	CW-6	30-Sep-98	Corrected 13.18	8.97	B-C	4.21	
	CW-6	03-Dec-98		8.74		4.44	0.23
	CW-6	23-Feb-99		7.70		5.48	1.04
	CW-6	26-May-99		8.19		4.99	-0.49
	CW-6	15-Sep-99		9.12		4.06	-0.93
	CW-6	06-Dec-99		9.32		3.86	-0.20
	CW-6	29-Mar-00		7.73		5.45	1.59
	CW-6	14-Dec-00		9.24		3.94	-1.51
	CW-6	27-Mar-01		8.12		5.06	1.12
	CW-6	11-Jun-01		8.56		4.62	-0.44
	CW-6	30-Aug-01		9.12		4.06	-0.56
	CW-6	06-Dec-01		8.56		4.62	0.56
	CW-6	18-Mar-02		7.95		5.23	0.61
	CW-6	24-Jun-02		8.40		4.78	-0.45
	CW-6	21-Aug-02		8.98		4.20	-0.58
	CW-6	19-Nov-02		9.31		3.87	-0.33
	CW-6	18-Feb-03		8.94		4.24	0.37
	CW-6	14-May-03		8.92		4.26	0.02
	CW-6	12-Aug-03		9.37		3.81	-0.45
	CW-6	18-Nov-03		9.76		3.42	-0.39
	CW-6	23-Feb-04		8.59		4.59	1.17
	CW-6	13-May-04		9.13		4.05	-0.54
	CW-6	16-Aug-04		9.54		3.64	-0.41
	CW-6	08-Dec-04	8.93	4.25	0.61		
	CW-6	10-Feb-05	8.81	4.37	0.12		
CW-6	15-Aug-06	13.18	7.65	C	5.53	1.16	
CW-6	19-Sep-07			9.50		3.68	-1.85

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ACPWA	CW-7	30-Sep-98	Corrected 11.82	7.61	B-C	4.21		
	CW-7	03-Dec-98		7.35		4.47	0.26	
	CW-7	23-Feb-99		6.43		5.39	0.92	
	CW-7	26-May-99		6.87		4.95	-0.44	
	CW-7	15-Sep-99		7.76		4.06	-0.89	
	CW-7	06-Dec-99		7.96		3.86	-0.20	
	CW-7	29-Mar-00		6.47		5.35	1.49	
	CW-7	14-Dec-00		7.82		4.00	-1.35	
	CW-7	27-Mar-01		6.84		4.98	0.98	
	CW-7	11-Jun-01		7.20		4.62	-0.36	
	CW-7	30-Aug-01		7.76		4.06	-0.56	
	CW-7	06-Dec-01		7.24		4.58	0.52	
	CW-7	18-Mar-02				12.05	-0.23	-4.81
	CW-7	24-Jun-02				7.12	4.70	4.93
	CW-7	21-Aug-02				7.70	4.12	-0.58
	CW-7	19-Nov-02				7.96	3.86	-0.26
	CW-7	18-Feb-03				7.62	4.20	0.34
	CW-7	14-May-03				7.63	4.19	-0.01
	CW-7	12-Aug-03				8.00	3.82	-0.37
	CW-7	18-Nov-03				8.11	3.71	-0.11
	CW-7	23-Feb-04				7.50	4.32	0.61
	CW-7	13-May-04				7.83	3.99	-0.33
	CW-7	16-Aug-04				8.16	3.66	-0.33
	CW-7	08-Dec-04			7.43	4.39	0.73	
	CW-7	10-Feb-05			7.65	4.17	-0.22	
	CW-7	15-Aug-06		11.82	9.00	C	2.82	-1.35
CW-7	19-Sep-07			8.17	3.65		0.83	

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ACPWA	CW-12	30-Sep-98	Corrected 7.78	6.79	B-C	0.99	
	CW-12	03-Dec-98		6.02		1.76	0.77
	CW-12	23-Feb-99		5.93		1.85	0.09
	CW-12	26-May-99		6.84		0.94	-0.91
	CW-12	15-Sep-99		7.01		0.77	-0.17
	CW-12	06-Dec-99		6.99		0.79	0.02
	CW-12	29-Mar-00		7.56		0.22	-0.57
	CW-12	14-Dec-00		6.87		0.91	0.69
	CW-12	27-Mar-01		6.74		1.04	0.13
	CW-12	11-Jun-01		6.65		1.13	0.09
	CW-12	30-Aug-01		6.74		1.04	-0.09
	CW-12	06-Dec-01		6.92		0.86	-0.18
	CW-12	18-Mar-02		6.60		1.18	0.32
	CW-12	24-Jun-02		6.48		1.30	0.12
	CW-12	21-Aug-02		11.10		-3.32	-4.62
	CW-12	19-Nov-02		7.42		0.36	3.68
	CW-12	18-Feb-03		6.36		1.42	1.06
	CW-12	14-May-03		6.68		1.10	-0.32
	CW-12	12-Aug-03		6.41		1.37	0.27
	CW-12	18-Nov-03		7.49		0.29	-1.08
	CW-12	23-Feb-04		5.84		1.94	1.65
	CW-12	13-May-04		6.52		1.26	-0.68
	CW-12	16-Aug-04		6.37		1.41	0.15
	CW-12	08-Dec-04		6.42		1.36	-0.05
	CW-12	10-Feb-05		6.27		1.51	0.15
	CW-12	15-Aug-06	7.78	6.02	C	1.76	0.25
	CW-12	19-Sep-07		6.74		1.04	-0.72

TABLE 2
Groundwater Elevation Data
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site ID	Monitoring Well	Groundwater Measurement Date	Top of Casing Elevation NGVD29 Datum (ft)	Depth to Groundwater (ft)	Footnote	Groundwater Elevation NGVD29 Datum (ft)	Change from Previous Groundwater Measurement (ft)
ACPWA	CW-13	30-Sep-98	Corrected 7.44	6.27	B-C	1.17	
	CW-13	03-Dec-98		5.58		1.86	0.69
	CW-13	23-Feb-99		4.87		2.57	0.71
	CW-13	26-May-99		6.08		1.36	-1.21
	CW-13	15-Sep-99		6.39		1.05	-0.31
	CW-13	06-Dec-99		6.49		0.95	-0.10
	CW-13	29-Mar-00		5.22		2.22	1.27
	CW-13	14-Dec-00		6.00		1.44	-0.78
	CW-13	27-Mar-01		5.24		2.20	0.76
	CW-13	11-Jun-01		5.63		1.81	-0.39
	CW-13	30-Aug-01		5.98		1.46	-0.35
	CW-13	06-Dec-01		4.89		2.55	1.09
	CW-13	18-Mar-02		5.08		2.36	-0.19
	CW-13	24-Jun-02		5.53		1.91	-0.45
	CW-13	21-Aug-02		5.69		1.75	-0.16
	CW-13	19-Nov-02		6.05		1.39	-0.36
	CW-13	18-Feb-03		5.32		2.12	0.73
	CW-13	14-May-03		5.33		2.11	-0.01
	CW-13	12-Aug-03		5.67		1.77	-0.34
	CW-13	18-Nov-03		6.11		1.33	-0.44
	CW-13	23-Feb-04		4.78		2.66	1.33
	CW-13	13-May-04		5.38		2.06	-0.60
	CW-13	16-Aug-04		5.60		1.84	-0.22
	CW-13	08-Dec-04		5.18		2.26	0.42
	CW-13	10-Feb-05		4.90		2.54	0.28
	CW-13	15-Aug-06		7.44	4.85	C	2.59
CW-13	19-Sep-07			5.58		1.86	-0.73

Notes:

A = Well cover repaired and TOC resurveyed (10/12/98)

B = TOC resurveyed (10/12/98)

C = TOC resurveyed by Virgil Chavez Land Surveying (10/11/06)

TABLE 3
Petroleum Hydrocarbons in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Sample ID	Date Sampled	Units	TEPH	TPH-D	TPH-O	TPH-G	Benzene	Ethylbenzene	Toluene	Total Xylenes
MWA-1	27-Apr-98	mg/L	-	< 0.08	< 0.2	0.14	0.0009	< 0.0003	0.0004	< 0.0004
MWA-1	19-Jun-98	mg/L	-	<0.2	< 0.2	0.13	0.0008	< 0.0003	0.0003	<0.0004
MWA-1	11-Sep-98	mg/L	0.38	< 0.4rl	< 0.2	0.25	0.0011	< 0.0003	0.001	<0.0004
MWA-1	09-Dec-98	mg/L	0.66	< 0.4	0.4	0.27	0.0014	0.0029	0.0007	0.0156
MWA-1	25-Feb-99	mg/L	-	0.940	0.46	0.09	0.001	< 0.0003	0.0004	< 0.0004
MWA-1	27-May-99	mg/L	-	0.087	< 0.25	0.31	0.001	< 0.0005	< 0.0005	0.0018
MWA-1	16-Sep-99	mg/L	-	< 0.05	< 0.5	0.11	< 0.0005	< 0.0005	< 0.0005	< 0.0005
MWA-1	07-Dec-99	mg/L	-	< 1.0	< 0.5	1.4	< 0.001	< 0.001	< 0.001	< 0.003
MWA-1	29-Mar-00	mg/L	-	-	-	0.29	< 0.001	< 0.001	< 0.001	< 0.003
MWA-1	15-Dec-00	mg/L	-	<0.05	<0.3	0.91	0.00087	<0.0005	<0.0005	<0.0005
MWA-1	27-Mar-01	mg/L	-	<0.05	<0.3	0.54	0.0017	<0.0005	<0.0005	<0.0005
MWA-1	11-Jun-01	mg/L	-	0.066	<0.3	0.5	0.00059	<0.0005	<0.0005	<0.0005
MWA-1	30-Aug-01	mg/L	-	<0.05	<0.3	0.17	<0.0005	<0.0005	<0.0005	<0.0005
MWA-1	6-Dec-01	mg/L	-	<0.05	<0.3	0.7	<0.0005	<0.0005	0.00062	<0.0005
MWA-1	18-Mar-02	mg/L	-	<0.05	<0.3	0.27	0.0012	<0.0005	<0.0005	<0.0005
MWA-1	24-Jun-02	mg/L	-	0.057	<0.3	0.27	0.0013	<0.0005	<0.0005	0.00054
MWA-1	21-Aug-02	mg/L	-	<0.05	<0.3	0.17	<0.0005	<0.0005	<0.0005	0.0039
MWA-1	19-Nov-02	mg/L	-	<0.05	<0.3	0.46	0.014	0.015	0.010	0.023
MWA-1	18-Feb-03	mg/L	-	<0.05	<0.3	0.35	0.00091	<0.0005	<0.0005	<0.0005
MWA-1	14-May-03	mg/L	-	<0.05	<0.3	0.33	0.0011	<0.0005	<0.0005	<0.0005
MWA-1	12-Aug-03	mg/L	-	<0.05	<0.3	0.31	0.00081	0.0012	<0.0005	<0.0005
MWA-1	18-Nov-03	mg/L	-	<0.05	<0.3	0.10	<0.0005	0.0013	<0.0005	<0.0005
MWA-1	23-Feb-04	mg/L	-	<0.05	<0.3	0.38	0.0012	<0.0005	<0.0005	<0.0005
MWA-1	13-May-04	mg/L	-	<0.05	<0.3	0.31	0.00096	0.0058	<0.0005	<0.0005
MWA-1	16-Aug-04	mg/L	-	<0.05	<0.3	0.26	<0.0005	0.0052	<0.0005	<0.0005
MWA-1	8-Dec-04	mg/L	-	0.22	0.32	0.064	<0.0005	<0.0005	<0.0005	<0.0005
MWA-1	10-Feb-05	mg/L	-	0.14	0.63	0.34	0.00056	<0.0005	<0.0005	<0.0005
MWA-1	15-Aug-06	mg/L	-	-	-	0.19	0.00079	<0.0005	<0.0005	<0.0005
MWA-1	26-Sep-07	mg/L	-	-	-	0.14	0.00092	<0.0005	0.002	0.0014

Notes:
 mg/L = milligrams per liter

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5050	LF-5	4-Nov-91	< 0.002	0.018	0.049	11	-
5050	LF-5	27-Oct-92	0.005	< 0.05	0.24	35	-
5050	LF-5	4-Mar-93	< 0.005	< 0.05	0.21	36	-
5050	LF-5	25-May-93	< 0.002	< 0.05	0.17	23	-
5050	LF-5	31-Aug-93	0.02	< 0.05	0.25	38	-
5050	LF-5	26-Oct-93	0.052	< 0.05	0.28	51	6.07
5050	LF-5	16-Feb-94	< 0.02	< 0.05	0.16	28	6.20
5050	LF-5	24-May-94	< 0.005	0.01	0.14	23	-
5050	LF-5	21-Sep-94	< 0.01	0.01	0.17	25	-
5050	LF-5	19-Dec-94	< 0.01	0.01	0.25	58	-
5050	LF-5	14-Mar-95	< 0.02	0.013	0.11	25	-
5050	LF-5	7-Jun-95	< 0.01	0.015	0.31	76	-
5050	LF-5	7-Sep-95	< 0.005	0.014	0.31	38	-
5050	LF-5	18-Dec-95	< 0.005	0.017	0.2	47	6.35
5050	LF-5	20-Aug-97	0.06	0.02	0.26	52	5.79
5050	LF-5	11-Dec-97	0.06	0.21	0.24	44	6.23
5050	LF-5	25-Mar-98	< 0.05	0.05	0.062	16	5.87
5050	LF-5	18-Jun-98	0.12	0.26	1.2	300	6.19
5050	LF-5	9-Sep-98	< 0.05	0.08	0.19	36	6.22
5050	LF-5	9-Dec-98	< 0.05	0.08	0.3	50	6.11
5050	LF-5	23-Feb-99	0.07	0.02	0.09	20	6.41
5050	LF-5	27-May-99	< 0.005	< 0.05	0.23	52	6.21
5050	LF-5	23-Sep-99	< 0.05	0.01	0.21	35	6.03
5050	LF-5	15-Dec-99	< 0.05	0.04	0.3	52	5.57
5050	LF-5	29-Mar-00	< 0.05	<0.01	0.5	110	5.10
5050	LF-5	15-Dec-00	<0.005	0.012	0.27	63	6.06
5050	LF-5	27-Mar-01	<0.005	<0.01	0.34	120	6.95
5050	LF-5	11-Jun-01	0.008	0.013	0.83	240	6.65
5050	LF-5	30-Aug-01	0.0071	0.014	0.72	170	6.24
5050	LF-5	7-Dec-01	< 0.005	0.020	0.390	80	6.24
5050	LF-5	18-Mar-02	-	-	-	-	-
5050	LF-5	24-Jun-02	-	-	-	-	-
5050	LF-5	21-Aug-02	< 0.005	0.018	0.089	20	3.71
5050	LF-5	19-Nov-02	< 0.005	<0.010	0.570	150	5.90
5050	LF-5	18-Feb-03	0.0097	0.014	0.860	260	6.40
5050	LF-5	14-May-03	< 0.005	0.016	0.210	57	4.00
5050	LF-5	12-Aug-03	< 0.005	<0.01	0.260	62	5.60
5050	LF-5	18-Nov-03	0.011	0.014	0.970	250	5.60
5050	LF-5	23-Feb-04	0.0071	0.013	0.710	180	5.70
5050	LF-5	13-May-04	0.0094	0.013	0.790	200.0	5.80
5050	LF-5	16-Aug-04	0.0069	0.011	0.740	180.0	6.00
5050	LF-5	8-Dec-04	0.0095	0.014	1.3	400	5.80
5050	LF-5	10-Feb-05	<0.005	<0.01	0.800	240	5.5
5050	LF-5	16-Aug-06	-	-	0.700	180	4.69
5050	LF-5	U 27-Sep-07	-	-	1.400	570	6.00

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5050	LF-11	28-Oct-93	0.07	-	120	47,000	4.72
5050	LF-11	18-Feb-94	< 0.02	-	140	44,000	4.14
5050	LF-111(dup)	18-Feb-94	< 0.2	-	140	46,000	4.14
5050	LF-11	23-Sep-94	< 0.2	-	130	33,000	-
5050	LF-11	15-Mar-95	< 0.01	< 1	91	37,000	-
5050	LF-11	8-Jun-95	< 0.02	< 1	99	37,000	-
5050	LF-11	7-Sep-95	< 0.01	< 1	120	37,000	-
5050	LF-11	18-Dec-95	0.31	< 1	110	37,000	3.73
5050	LF-11	20-Aug-97	0.19	0.02	75	30,000	3.49
5050	LF-11	19-Dec-97	0.16	< 0.01	72	31,000	3.91
5050	LF-11	25-Mar-98	< 0.05	< 0.01	36	13,000	3.83
5050	LF-11	17-Jun-98	0.11	0.14	46	18,000	4.89
5050	LF-11	9-Sep-98	0.08	0.12	43	17,000	5.34
5050	LF-11	10-Dec-98	0.1	0.1	51	18,000	3.77
5050	LF-11	24-Feb-99	< 0.05	0.02	48	8,600	3.77
5050	LF-11	28-May-99	< 0.005	< 0.05	68	23,000	3.39
5050	LF-11	17-Sep-99	< 0.05	0.02	46	7,000	3.72
5050	LF-11	7-Dec-99	0.13	< 0.01	92	2,000	3.49
5050	LF-11	29-Mar-00	< 0.05	< 0.01	37	1,400	4.30
5050	LF-11	15-Dec-00	0.045	0.013	84	26,000	4.29
5050	LF-11	27-Mar-01	0.035	0.011	83	28,000	4.63
5050	LF-11	11-Jun-01	0.056	0.013	86	24,000	4.16
5050	LF-11	30-Aug-01	0.034	0.013	73	25,000	3.75
5050	LF-11	7-Dec-01	0.045	0.019	79	34,000	3.75
5050	LF-11	18-Mar-02	0.034	0.015	62	20,000	4.21
5050	LF-11	24-Jun-02	0.054	0.011	96	34,000	5.00
5050	LF-11	21-Aug-02	0.057	0.011	98	31,000	3.92
5050	LF-11	19-Nov-02	0.039	0.013	92	48,000	3.50
5050	LF-11	18-Feb-03	0.043	0.017	100	34,000	4.10
5050	LF-11	14-May-03	0.037	0.011	91	30,000	4.00
5050	LF-11	12-Aug-03	0.034	0.011	58	23,000	3.80
5050	LF-11	18-Nov-03	0.027	< 0.010	100	35,000	3.70
5050	LF-11	23-Feb-04	0.051	< 0.050	94	30,000	3.90
5050	LF-11	13-May-04	0.019	< 0.010	62.00	27,000	4.00
5050	LF-11	16-Aug-04	0.029	< 0.010	100.0	37,000	3.80
5050	LF-11	8-Dec-04	0.032	< 0.01	33	3,900	3.40
5050	LF-11	10-Feb-05	0.016	< 0.01	98	32,000	3.9
5050	LF-11	16-Aug-06	-	-	130	43,000	4.63
5050	LF-11	u 27-Sep-07	-	-	120	42,000	4.15

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5050	LF-12	1-Nov-93	0.022	< 0.5	3.7	3,400	4.56
5050	LF-12	17-Feb-94	0.004	< 0.5	2.9	2,700	4.68
5050	LF-12	24-May-94	0.008	< 0.05	3.6	3,100	-
5050	LF-12	22-Sep-94	< 0.005	< 0.05	3.4	3,100	-
5050	LF-12	19-Dec-94	< 0.005	< 0.5	3.5	3,200	-
5050	LF-12	15-Mar-95	< 0.002	< 0.1	3	2,600	-
5050	LF-12	7-Jun-95	< 0.005	< 0.1	3.3	2,900	7.59
5050	LF-12	6-Sep-95	< 0.005	< 0.1	3.2	2,900	-
5050	LF-12	18-Dec-95	< 0.002	< 0.1	3.8	3,000	4.08
5050	LF-12	20-Aug-97	0.05	0.03	2.4	2,200	3.58
5050	LF-12	19-Dec-97	< 0.05	< 0.01	2.4	2,600	4.49
5050	LF-12	25-Mar-98	< 0.05	< 0.01	1.1	1,200	4.00
5050	LF-12	18-Jun-98	< 0.05	0.24	2.3	2,500	4.02
5050	LF-12	9-Sep-98	< 0.05	0.11	2.0	2,100	4.85
5050	LF-12-H	8-Oct-98	0.06	-	2.2	2,400	3.30
5050	LF-12-L	8-Oct-98	0.06	-	2.0	1,700	3.50
5050	LF-12	10-Dec-98	< 0.05	0.1	2.5	2,800	3.87
5050	LF-12	23-Feb-99	< 0.5	< 0.1	1.9	2,000	3.68
5050	LF-12	28-May-99	< 0.005	0.076	2.5	2,100	4.93
5050	LF-12	16-Sep-99	< 0.05	< 0.01	1.9	870	4.18
5050	LF-12	7-Dec-99	< 0.05	< 0.01	2.4	1,200	3.88
5050	LF-12	29-Mar-00	< 0.05	0.32	2.4	890	4.20
5050	LF-12	15-Dec-00	< 0.005	0.01	1.5	2,100	4.66
5050	LF-12	27-Mar-01	< 0.005	0.01	1.8	1,700	4.91
5050	LF-12	11-Jun-01	0.015	0.012	1.6	5,500	4.45
5050	LF-12	30-Aug-01	0.01	0.013	1.6	1,800	4.13
5050	LF-12	7-Dec-01	0.023	0.013	1.6	2,300	4.13
5050	LF-12	18-Mar-02	< 0.005	0.015	1.3	1,600	4.00
5050	LF-12	24-Jun-02	0.021	< 0.010	2.4	2,200	4.21
5050	LF-12	21-Aug-02	< 0.005	0.011	1.5	1,800	3.85
5050	LF-12	19-Nov-02	0.018	< 0.010	1.4	2,000	4.00
5050	LF-12	18-Feb-03	< 0.005	0.032	1.3	1,700	4.30
5050	LF-12	14-May-03	< 0.005	0.17	1.2	1,700	4.30
5050	LF-12	12-Aug-03	< 0.005	0.014	1.3	1,700	3.90
5050	LF-12	18-Nov-03	0.0058	< 0.010	1.4	1,500	4.00
5050	LF-12	23-Feb-04	< 0.005	0.02	1.6	1,800	3.80
5050	LF-12	13-May-04	< 0.005	< 0.010	1.2	1,600	4.10
5050	LF-12	16-Aug-04	< 0.005	< 0.010	1.2	1,700	3.90
5050	LF-12	8-Dec-04	0.0097	0.016	1.3	1,800	4.10
5050	LF-12	10-Feb-05	< 0.005	0.014	1.2	1,700	3.7
5050	LF-12	16-Aug-06	-	-	1.400	1,700	4.80
5050	LF-12	U 27-Sep-07	-	-	1.300	1,600	4.20

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5051	MWA-1	2-Jun-95	< 0.02	0.01	2.7	990	NA
5051	MWA-1	12-Dec-95	0.011	<0.1	2.8	1,000	NA
5051	MWA-1	13-Dec-96	0.01	0.01	3.1	990	5.60
5051	MWA-1	13-Dec-96 (D)	0.011	0.02	3.1	970	5.60
5051	MWA-1	27-Apr-98	< 0.05	0.2	4.2	90	5.80
5051	MWA-1	19-Jun-98	<0.05	0.22	3.4	820	5.70
5051	MWA-1	11-Sep-98	<0.05	0.06	3.5	1,800	6.21
5051	MWA-1	9-Dec-98	0.05	0.09	3.5	1,000	6.15
5051	MWA-1	25-Feb-99	< 0.05	0.03	3.3	620	7.16
5051	MWA-1	27-May-99	< 0.005	<0.05	4.2	950	5.98
5051	MWA-1	16-Sep-99	< 0.05	<0.01	3.1	700	6.11
5051	MWA-1	7-Dec-99	< 0.05	<0.01	3.6	700	5.25
5051	MWA-1	29-Mar-00	< 0.05	0.024	3.8	550	8.07
5051	MWA-1	15-Jan-01	<0.005	<0.01	2.5	810	5.86
5051	MWA-1	27-Mar-01	<0.005	<0.01	2.4	660	6.67
5051	MWA-1	11-Jun-01	0.0077	0.015	2.3	620	6.22
5051	MWA-1	30-Aug-01	<0.005	0.11	2.2	800	5.81
5051	MWA-1	6-Dec-01	<0.005	<0.01	2.5	1,100	5.81
5051	MWA-1	18-Mar-02	0.0086	<0.01	2.9	850	6.01
5051	MWA-1	24-Jun-02	0.009	0.015	3.7	960	6.02
5051	MWA-1	21-Aug-02	0.012	0.010	4.2	990	5.77
5051	MWA-1	19-Nov-02	0.013	0.016	3.1	990	5.89
5051	MWA-1	18-Feb-03	<0.005	0.016	3.0	830	6.10
5051	MWA-1	14-May-03	0.0053	0.012	3.2	840	5.70
5051	MWA-1	12-Aug-03	0.0075	<0.01	4.1	1,100	5.60
5051	MWA-1	18-Nov-03	<0.005	0.017	3.3	1,000	6.10
5051	MWA-1	23-Feb-04	0.0077	0.015	3.8	960	5.30
5051	MWA-1	13-May-04	<0.005	0.018	4.300	1,200	5.60
5051	MWA-1	16-Aug-04	<0.005	0.013	3.600	1,100	5.50
5051	MWA-1	8-Dec-04	<0.005	0.0	3.1	920	5.50
5051	MWA-1	10-Feb-05	<0.005	0.015	3.5	950	6.1
5051	MWA-1	15-Aug-06	-	-	5.600	1,100	5.01
5051	MWA-1	U 26-Sep-07	-	-	3.800	1,100	5.62

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5051	MW-4	11-Dec-95	0.005	< 0.1	< 0.05	430	NA
5051	MW-4	13-Dec-96	0.013	0.1	0.38	660	5.50
5051	MW-4	27-Apr-98	< 0.05	< 0.01	0.28	670	6.21
5051	MW-4	19-Jun-98	< 0.05	0.14	0.28	1,000	5.64
5051	MW-4	11-Sep-98	< 0.05	0.08	0.25	1,400	5.98
5051	MW-4	9-Dec-98	0.06	0.12	0.34	680	5.59
5051	MW-4	25-Feb-99	< 0.05	0.05	0.28	450	7.12
5051	MW-4	27-May-99	< 0.005	< 0.05	0.31	730	5.83
5051	MW-4	16-Sep-99	< 0.05	< 0.01	0.17	550	5.51
5051	MW-4	7-Dec-99	< 0.05	< 0.01	0.24	520	5.01
5051	MW-4	29-Mar-00	< 0.05	0.14	0.13	480	7.42
5051	MW-4	15-Jan-01	< 0.005	< 0.01	0.17	600	5.47
5051	MW-4	27-Mar-01	< 0.005	< 0.01	0.19	440	6.42
5051	MW-4	11-Jun-01	< 0.005	0.014	0.17	88	5.92
5051	MW-4	30-Aug-01	< 0.005	0.077	0.13	570	5.05
5051	MW-4	6-Dec-01	< 0.005	0.01	0.28	720	5.05
5051	MW-4	18-Mar-02	< 0.005	< 0.01	0.21	570	6.21
5051	MW-4	24-Jun-02	< 0.005	< 0.01	0.14	570	5.45
5051	MW-4	21-Aug-02	< 0.005	< 0.01	0.23	620	5.57
5051	MW-4	19-Nov-02	0.026	< 0.01	0.27	660	4.97
5051	MW-4	18-Feb-03	< 0.005	< 0.01	0.26	490	6.10
5051	MW-4	14-May-03	< 0.005	< 0.01	0.24	490	5.90
5051	MW-4	12-Aug-03	< 0.005	0.012	0.36	640	5.40
5051	MW-4	18-Nov-03	< 0.005	0.011	0.47	660	5.90
5051	MW-4	23-Feb-04	< 0.005	0.014	0.34	480	5.40
5051	MW-4	13-May-04	< 0.005	< 0.010	0.240	480	5.40
5051	MW-4	16-Aug-04	< 0.005	0.011	0.640	780	5.50
5051	MW-4	8-Dec-04	< 0.005	0.012	0.56	700	5.90
5051	MW-4	10-Feb-05	< 0.005	< 0.01	0.31	460	6.9
5051	MW-4	15-Aug-06	-	-	0.380	490	5.43
5051	MW-4	U 26-Sep-07	-	-	0.520	610	5.78

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5051	MW-5	11-Dec-95	0.009	0.21	< 0.005	0.02	NA
5051	MW-5	13-Dec-96	0.005	0.73	< 0.005	0.17	7.20
5051	MW-5	27-Apr-98	< 0.05	< 0.01	< 0.005	< 0.01	7.37
5051	MW-5	19-Jun-98	< 0.05	0.57	< 0.005	0.92	6.89
5051	MW-5	11-Sep-98	< 0.05	0.47	< 0.005	0.17	6.99
5051	MW-5	9-Dec-98	< 0.05	0.83	< 0.005	0.08	6.99
5051	MW-5	25-Feb-99	< 0.05	0.58	< 0.005	0.16	7.28
5051	MW-5	27-May-99	< 0.005	0.33	< 0.005	0.055	7.33
5051	MW-5	23-Sep-99	< 0.05	0.18	< 0.005	0.02	6.99
5051	MW-5	10-Dec-99	< 0.05	1.1	< 0.005	0.065	6.56
5051	MW-5	29-Mar-00	< 0.05	0.88	< 0.005	0.061	7.46
5051	MW-5	12-Jan-01	0.0078	1.2	< 0.005	0.027	7.32
5051	MW-5	27-Mar-01	< 0.005	0.65	< 0.005	2.6	6.80
5051	MW-5	11-Jun-01	0.0073	0.84	< 0.005	0.350	7.69
5051	MW-5	30-Aug-01	0.013	1.1	< 0.005	0.022	7.26
5051	MW-5	6-Dec-01	< 0.005	0.9	< 0.005	0.087	7.26
5051	MW-5	18-Mar-02	< 0.005	0.71	< 0.005	0.350	7.50
5051	MW-5	24-Jun-02	< 0.005	0.64	< 0.005	0.026	7.09
5051	MW-5	21-Aug-02	--	--	--	--	--
5051	MW-5	19-Nov-02	0.0073	0.57	< 0.005	1.2	6.99
5051	MW-5	18-Feb-03	< 0.005	0.83	< 0.005	0.2	7.40
5051	MW-5	14-May-03	< 0.005	0.87	< 0.005	< 0.02	7.00
5051	MW-5	12-Aug-03	< 0.005	1.00	< 0.005	< 0.02	7.10
5051	MW-5	18-Nov-03	< 0.005	0.065	0.018	0.05	6.80
5051	MW-5	23-Feb-04	0.015	0.600	< 0.005	0.06	6.80
5051	MW-5	13-May-04	< 0.005	1.00	< 0.005	0.74	7.00
5051	MW-5	16-Aug-04	0.007	1.50	< 0.005	0.15	6.90
5051	MW-5	8-Dec-04	< 0.005	1.6	< 0.005	< 0.02	7.00
5051	MW-5	10-Feb-05	< 0.005	0.28	< 0.005	0.13	6.4
5051	MW-5	15-Aug-06	-	-	< 0.005	1.30	5.69
5051	MW-5	u 26-Sep-07	-	-	< 0.005	0.82	7.11

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5200	CW-1	1-Oct-96	0.52	2.5	< 0.005	0.01	8.40
5200	CW-1	19-Aug-97	0.56	90	< 0.005	< 0.01	8.15
5200	CW-1	11-Dec-97	0.56	70	< 0.005	1.3	7.67
5200	CW-1	25-Mar-98	0.43	80	< 0.005	1.3	7.61
5200	CW-1	19-Jun-98	0.18	3.6	< 0.005	7.9	6.95
5200	CW-1	10-Sep-98	0.19	0.79	< 0.005	15	6.70
5200	CW-1	4-Dec-98	0.16	6.7	< 0.005	2.3	6.79
5200	CW-1	24-Feb-99	0.17	2.4	< 0.005	1.3	6.93
5200	CW-1	27-May-99	0.26	0.27	0.0056	58	6.86
5200	CW-1	17-Sep-99	0.11	13	< 0.005	8.7	8.40
5200	CW-1	13-Dec-99	0.089	38	< 0.005	1.5	5.85
5200	CW-1	29-Mar-00	0.2	0.85	< 0.005	52	7.55
5200	CW-1	15-Dec-00	0.17	0.082	< 0.005	15	7.37
5200	CW-1	27-Mar-01	0.22	0.23	0.0091	78	7.64
5200	CW-1	11-Jun-01	0.29	0.1	0.0089	69	7.31
5200	CW-1	30-Aug-01	0.2	0.14	0.013	22	7.16
5200	CW-1	7-Dec-01	0.17	0.24	< 0.005	11	7.16
5200	CW-1	18-Mar-02	0.43	0.11	0.013	94	7.39
5200	CW-1	24-Jun-02	0.39	0.031	0.032	160	6.33
5200	CW-1	21-Aug-02	0.4	0.027	0.023	120	6.53
5200	CW-1	19-Nov-02	0.18	0.038	< 0.005	16	6.93
5200	CW-1	18-Feb-03	0.21	0.11	< 0.005	17	7.33
5200	CW-1	14-May-03	0.52	0.096	< 0.005	48	8.10
5200	CW-1	12-Aug-03	0.20	0.11	< 0.005	14	7.10
5200	CW-1	18-Nov-03	0.30	0.13	< 0.005	15	7.30
5200	CW-1	23-Feb-04	0.250	0.200	< 0.005	13	6.90
5200	CW-1	13-May-04	0.530	0.075	0.0054	73	6.40
5200	CW-1	16-Aug-04	0.270	0.190	< 0.005	4.9	6.90
5200	CW-1	8-Dec-04	0.260	0.19	< 0.005	8.0	7.10
5200	CW-1	10-Feb-05	0.550	0.086	0.0056	110	6.7
5200	CW-1	15-Aug-06	0.370	0.02	0.100	150	4.77
5200	CW-1	U 26-Sep-07	0.180	3.700	0.140	46	6.79

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
5200	CW-2	1-Oct-96	3.5	220	< 0.005	0.06	6.80
5200	CW-2	19-Aug-97	2.6	220	< 0.005	< 0.01	7.60
5200	CW-2	11-Dec-97	3.6	150	< 0.005	0.05	7.30
5200	CW-2	25-Mar-98	1.8	230	< 0.005	0.07	8.61
5200	CW-2	19-Jun-98	2.1	170	< 0.005	0.08	6.88
5200	CW-2	10-Sep-98	2.9	190	< 0.005	<0.01	6.81
5200	CW-2	4-Dec-98	2.0	250	< 0.005	0.03	7.06
5200	CW-2	24-Feb-99	2.5	17	< 0.005	0.02	7.08
5200	CW-2	27-May-99	2.7	150	< 0.005	0.055	7.53
5200	CW-2	16-Sep-99	1.5	160	< 0.005	< 0.01	7.31
5200	CW-2	10-Dec-99	1.3	220	< 0.005	0.01	8.44
5200	CW-2	29-Mar-00	1.6	210	< 0.005	< 0.01	7.30
5200	CW-2	15-Dec-00	1.1	170	<0.05	0.46	7.52
5200	CW-2	27-Mar-01	2.5	150	<0.005	0.37	8.46
5200	CW-2	11-Jun-01	2.8	790	<0.005	0.74	7.96
5200	CW-2	30-Aug-01	2.7	110	0.005	3.5	7.33
5200	CW-2	7-Dec-01	2.8	220	0.005	< 0.5	7.33
5200	CW-2	18-Mar-02	0.27	130	< 0.005	0.055	7.36
5200	CW-2	24-Jun-02	3.7	160	< 0.005	0.44	7.12
5200	CW-2	21-Aug-02	3.3	150	< 0.005	< 0.02	7.06
5200	CW-2	19-Nov-02	3.1	150	< 0.005	0.12	7.14
5200	CW-2	14-May-03	2.7	120	< 0.005	0.053	7.30
5200	CW-2	12-Aug-03	3.1	150	< 0.005	< 0.02	7.60
5200	CW-2	18-Nov-03	2.7	170	< 0.005	< 0.02	7.10
5200	CW-2	23-Feb-04	3.00	15	< 0.005	< 0.02	7.10
5200	CW-2	13-May-04	2.800	130	< 0.005	0.12	7.20
5200	CW-2	16-Aug-04	1.700	100	< 0.005	0.029	7.10
5200	CW-2	8-Dec-04	2.500	140	<0.005	<0.02	7.20
5200	CW-2	10-Feb-05	2.200	120	<0.005	<0.02	7.2
5200	CW-2	15-Aug-06	2.100	150.0	-	-	4.91
5200	CW-2	U 26-Sep-07	2.800	130	-	-	7.45

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
ACPWA-E	CW-6	29-Sep-98	0.13	470	0.1	15	6.71
ACPWA-E	CW-6-H	8-Oct-98	0.33	610	0.2	33	6.60
ACPWA-E	CW-6-L	8-Oct-98	0.09	460	0.11	15	6.70
ACPWA-E	CW-6	4-Dec-98	0.19	610	0.14	21	7.30
ACPWA-E	CW-6	24-Feb-99	0.13	550	0.11	19	6.99
ACPWA-E	CW-6	27-May-99	0.054	600	0.17	28	6.87
ACPWA-E	CW-6	16-Sep-99	0.09	800	0.092	16	7.73
ACPWA-E	CW-6	10-Dec-99	0.06	640	0.056	9.8	6.97
ACPWA-E	CW-6	29-Mar-00	0.14	440	0.1	25	8.39
ACPWA-E	CW-6	15-Dec-00	0.19	500	0.062	8.5	7.04
ACPWA-E	CW-6	27-Mar-01	0.13	300	0.046	12	8.15
ACPWA-E	CW-6	11-Jun-01	0.14	160	0.044	20	7.63
ACPWA-E	CW-6	30-Aug-01	0.23	510	0.034	10	7.18
ACPWA-E	CW-6	6-Dec-01	0.29	410	0.02	9.9	7.18
ACPWA-E	CW-6	18-Mar-02	0.26	290	0.041	12	7.28
ACPWA-E	CW-6	24-Jun-02	0.18	350	0.13	9.9	6.87
ACPWA-E	CW-6	21-Aug-02	0.24	400	0.042	9.4	6.91
ACPWA-E	CW-6	19-Nov-02	0.29	490	0.03	7.1	6.87
ACPWA-E	CW-6	18-Feb-03	0.31	520	0.037	11	7.30
ACPWA-E	CW-6	14-May-03	0.29	490	0.033	11	7.00
ACPWA-E	CW-6	12-Aug-03	0.38	400	0.013	5.9	7.00
ACPWA-E	CW-6	18-Nov-03	0.33	260	0.02	3.6	7.00
ACPWA-E	CW-6	23-Feb-04	0.370	44	0.031	9.10	6.60
ACPWA-E	CW-6	13-May-04	0.280	330	0.010	4.70	6.80
ACPWA-E	CW-6	16-Aug-04	0.240	270	0.020	2.80	6.80
ACPWA-E	CW-6	8-Dec-04	0.520	380	0.02	5.7	6.80
ACPWA-E	CW-6	10-Feb-05	0.270	390	0.041	7.3	7.0
ACPWA-E	CW-6	16-Aug-06	0.700	370.0	0.012	4.70	4.98
ACPWA-E	CW-6	u 26-Sep-07	1.700	500	0.260	50	6.85

TABLE 4
Metals and pH in Groundwater
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

Site	Monitoring Well	Sample Date	Arsenic (As) (mg/L)	Barium (Ba)	Cadmium (Cd)	Zinc (Zn)	pH (SU)
SCR - Groundwater Cleanup Standards			0.36	10.0	0.093	0.58	
ACPWA-W	CW-12	29-Sep-98	< 0.05	0.2	< 0.005	0.03	7.95
ACPWA-W	CW-12-H	8-Oct-98	<0.05	-	< 0.005	1.8	7.80
ACPWA-W	CW-12-L	8-Oct-98	<0.05	-	< 0.005	2.1	7.70
ACPWA-W	CW-12	8-Dec-98	< 0.05	0.22	< 0.005	0.05	7.53
ACPWA-W	CW-12	23-Feb-99	< 0.05	0.05	< 0.005	0.06	7.50
ACPWA-W	CW-12	27-May-99	< 0.005	0.11	< 0.005	0.056	8.10
ACPWA-W	CW-12	23-Sep-99	< 0.05	0.7	< 0.005	0.01	7.26
ACPWA-W	CW-12	10-Dec-99	< 0.05	0.13	< 0.005	0.44	6.03
ACPWA-W	CW-12	29-Mar-00	< 0.05	0.053	< 0.005	<0.01	5.77
ACPWA-W	CW-12	15-Dec-00	<0.005	0.055	<0.005	0.28	7.46
ACPWA-W	CW-12	27-Mar-01	<0.005	0.045	<0.005	0.89	8.24
ACPWA-W	CW-12	11-Jun-01	<0.005	0.077	<0.005	0.12	7.60
ACPWA-W	CW-12	30-Aug-01	<0.005	0.18	<0.005	0.035	7.64
ACPWA-W	CW-12	6-Dec-01	<0.005	0.074	<0.005	0.63	7.64
ACPWA-W	CW-12	18-Mar-02	<0.005	0.037	<0.005	0.053	8.00
ACPWA-W	CW-12	24-Jun-02	<0.005	0.11	<0.005	<0.02	7.41
ACPWA-W	CW-12	21-Aug-02	<0.005	0.15	<0.005	<0.02	7.12
ACPWA-W	CW-12	19-Nov-02	<0.005	0.037	<0.005	0.39	7.43
ACPWA-W	CW-12	18-Feb-03	<0.005	0.063	<0.005	0.48	8.20
ACPWA-W	CW-12	14-May-03	0.0052	0.046	<0.005	0.097	8.10
ACPWA-W	CW-12	12-Aug-03	<0.005	0.064	<0.005	0.037	7.40
ACPWA-W	CW-12	18-Nov-03	<0.005	1.1	<0.005	0.042	7.70
ACPWA-W	CW-12	23-Feb-04	0.0089	0.054	<0.005	0.036	7.80
ACPWA-W	CW-12	13-May-04	0.011	0.083	<0.005	0.31	7.60
ACPWA-W	CW-12	16-Aug-04	<0.005	0.081	<0.005	0.077	7.30
ACPWA-W	CW-12	8-Dec-04	<0.005	0.038	<0.005	0.2	7.50
ACPWA-W	CW-12	10-Feb-05	<0.005	0.036	<0.005	<0.02	6.5
ACPWA-W	CW-12	16-Aug-05	-	-	<0.005	0.03	5.21
ACPWA-W	CW-12	u 27-Sep-07	--	-	<0.005	0.74	7.33

TABLE 5
Metals and pH in Weep-Water Samples
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

SAMPLE NO.	Weep Hole #	Sample Date	Units	Arsenic	Barium	Cadmium	Zinc	pH
WH-1	1	09-Aug-06	mg/L	--	--	0.600	59.0	7.2
WW-1	4	13-Jan-99	mg/L	< 0.05	<0.01	0.08	9.4	7.40
WW-1	4	25-Feb-02	mg/L	--	0.038	1.1	120	7.49
WW-1	4	25-Mar-02	mg/L	--	0.030	1.0	140	6.89
WH-4	4	17-Jun-02	mg/L	< 0.005	0.032	0.52	53	6.80
WH-4	4	05-Sep-02	mg/L	< 0.005	0.029	0.25	26	6.70
WH-4	4	19-Nov-02	mg/L	< 0.005	0.026	0.15	23	5.73
WH-4	4	27-Feb-03	mg/L	0.010	0.030	0.63	83	5.71
WH-4	4	19-May-03	mg/L	< 0.005	0.042	0.30	43	7.46
WH-4	4	12-Aug-03	mg/L	0.0066	0.035	0.19	22	8.51
WH-4	4	24-Nov-03	mg/L	< 0.005	0.035	0.13	15	8.15
WH-4	4	16-Mar-04	mg/L	< 0.005	0.037	1.20	140	6.62
WH-4	4	21-May-04	mg/L	< 0.005	0.047	0.900	67.0	6.33
WH-4	4	28-Sep-04	mg/L	< 0.005	0.041	0.260	23.0	7.00
WH-4	4	08-Dec-04	mg/L	<0.005	0.042	0.140	14	5.79
WH-4	4	26-Apr-05	mg/L	0.0016	0.042	1.1	130	6.51
WH-4	4	09-Aug-06	mg/L	--	--	0.630	65.0	7.2
WW-4	4	26-Sep-07	mg/L	--	--	0.400	36.0	6.9
WH-5	5	25-Feb-02	mg/L	--	0.033	<0.005	1.3	7.93
WH-5	5	08-Dec-04	mg/L	<0.005	0.049	0.011	3.7	6.26
WH-6	6	25-Feb-02	mg/L	--	0.037	0.0053	0.48	7.76
WH-6	6	25-Mar-02	mg/L	--	0.042	< 0.005	0.45	7.41
WH-6	6	17-Jun-02	mg/L	< 0.005	0.036	0.0061	0.58	7.30
WH-6	6	05-Sep-02	mg/L	< 0.005	0.032	0.0066	0.67	7.30
WW-2	7	13-Jan-99	mg/L	< 0.05	<0.10	<0.05	1.7	7.20
WH-7	7	28-Sep-04	mg/L	<0.005	0.05	<0.005	0.60	7.50
WH-7	7	26-Apr-05	mg/L	0.0024	0.056	0.0018	0.43	7.61
WH-8	8	19-Nov-02	mg/L	<0.005	0.029	<0.005	0.98	6.07
WH-8	8	27-Feb-03	mg/L	0.0052	0.034	<0.005	0.95	6.15
WH-8	8	19-May-03	mg/L	<0.005	0.040	<0.005	0.88	7.41
WH-8	8	12-Aug-03	mg/L	<0.005	0.038	<0.005	1.00	8.39
WH-8	8	24-Nov-03	mg/L	< 0.005	0.047	<0.005	0.71	7.96
WH-8	8	16-Mar-04	mg/L	< 0.005	0.043	<0.005	1.70	7.82
WH-8	8	21-May-04	mg/L	< 0.005	0.053	0.0059	2.10	7.03
WH-8	8	28-Sep-04	mg/L	< 0.005	0.052	0.0099	3.10	7.30
WH-8	8	08-Dec-04	mg/L	<0.005	0.047	0.022	8.1	6.32
WH-8	8	26-Apr-05	mg/L	0.0024	0.065	0.0064	3.1	7.34
WH-8	8	09-Aug-06	mg/L	--	--	0.010	2.60	7.6
WW-8	8	26-Sep-07	mg/L	--	--	0.0058	1.60	7.4

TABLE 5
Metals and pH in Weep-Water Samples
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

SAMPLE NO.	Weep Hole #	Sample Date	Units	Arsenic	Barium	Cadmium	Zinc	pH
WW-3	9	13-Jan-99	mg/L	< 0.05	<0.10	<0.05	2.9	7.30
WW-3	9	25-Feb-02	mg/L	--	0.036	0.012	7.2	7.30
WW-3	9	25-Mar-02	mg/L	--	0.037	0.013	11	7.49
WH-9	9	17-Jun-02	mg/L	< 0.005	0.038	0.015	7.4	7.20
WH-9	9	06-Sep-02	mg/L	0.0092	0.036	0.019	8.2	7.20
WH-9	9	19-Nov-02	mg/L	0.024	0.022	0.020	8.8	6.19
WH-9	9	27-Feb-03	mg/L	< 0.005	0.030	0.015	7.4	6.22
WH-9	9	19-May-03	mg/L	< 0.005	0.045	0.0096	7.2	7.51
WH-9	9	12-Aug-03	mg/L	<0.005	0.042	0.017	6.5	8.28
WH-9	9	24-Nov-03	mg/L	< 0.005	0.044	0.018	7.5	8.09
WH-9	9	16-Mar-04	mg/L	< 0.005	0.047	0.0066	9.6	7.15
WW-10	10	26-Sep-07	mg/L	--	--	0.024	5.20	7.4
WH-12	12	25-Feb-02	mg/L	--	<0.200	<0.005	2.1	7.62
WH-12	12	25-Mar-02	mg/L	--	0.042	< 0.005	2.0	7.06
WH-12	12	17-Jun-02	mg/L	< 0.005	0.043	< 0.005	1.4	7.20
WH-12	12	05-Sep-02	mg/L	< 0.005	0.037	< 0.005	1.3	7.30
WH-12	12	19-Nov-02	mg/L	<0.005	< 0.200	<0.005	0.8	6.34
WH-12	12	27-Feb-03	mg/L	< 0.005	0.029	<0.005	1.3	6.28
WH-12	12	19-May-03	mg/L	< 0.005	0.043	<0.005	2.2	7.48
WH-12	12	12-Aug-03	mg/L	<0.005	0.042	<0.005	1.3	8.22
WH-12	12	24-Nov-03	mg/L	< 0.005	0.049	<0.005	1.4	7.99
WH-12	12	16-Mar-04	mg/L	< 0.005	0.041	<0.005	2.1	7.27
WH-12	12	21-May-04	mg/L	< 0.005	0.057	<0.005	1.90	7.11
WH-12	12	28-Sep-04	mg/L	< 0.005	0.055	0.0055	2.40	7.40
WH-12	12	08-Dec-04	mg/L	<0.005	0.029	<0.005	0.68	6.39
WH-12	12	26-Apr-05	mg/L	0.0021	0.069	0.0053	3.7	7.33
WH-12	12	09-Aug-06	mg/L	--	--	0.012	3.30	7.6
WW-12	12	26-Sep-07	mg/L	--	--	<0.005	1.40	7.5
WW-4	14	13-Jan-99	mg/L	< 0.05	<0.10	<0.05	2.7	7.30
WH-14	14	05-Sep-02	mg/L	< 0.005	0.042	0.0054	1.1	7.50
WH-14	14	19-Nov-02	mg/L	0.042	0.019	<0.005	0.49	6.46
WH-14	14	27-Feb-03	mg/L	< 0.005	0.032	<0.005	0.74	6.32
WH-14	14	19-May-03	mg/L	< 0.005	0.042	<0.005	1.0	7.56
WH-14	14	12-Aug-03	mg/L	<0.005	0.048	<0.005	0.94	8.20
WH-14	14	24-Nov-03	mg/L	< 0.005	0.052	<0.005	0.88	8.54
WH-14	14	16-Mar-04	mg/L	< 0.005	0.029	<0.005	0.26	7.09
WH-14	14	21-May-04	mg/L	< 0.005	0.059	<0.005	0.97	7.14
WH-14	14	08-Dec-04	mg/L	<0.005	0.047	0.1	11	6.42
WH-15	15	09-Aug-06	mg/L	--	--	0.0097	2.50	7.6

TABLE 5
Metals and pH in Weep-Water Samples
 Coliseum Way Properties, Oakland, CA
 Bureau Veritas Project No. 33100-000509.04

SAMPLE NO.	Weep Hole #	Sample Date	Units	Arsenic	Barium	Cadmium	Zinc	pH
WW-5	16	13-Jan-99	mg/L	< 0.05	<0.10	<0.05	1.9	7.40
WW-5	16	25-Mar-02	mg/L	--	0.031	< 0.005	1.4	7.90
WH-16	16	17-Jun-02	mg/L	< 0.005	0.044	0.0063	1.4	7.20
WH-16	16	28-Sep-04	mg/L	< 0.005	0.053	< 0.005	1.1	7.30
WH-16	16	26-Apr-05	mg/L	0.0027	0.063	0.0046	1.5	7.35
WW-16	16	26-Sep-07	mg/L	--	--	<0.005	0.53	7.6
WH-17	17	25-Feb-02	mg/L	--	0.037	<0.005	0.58	7.85
WH-17	17	25-Mar-02	mg/L	--	0.035	< 0.005	0.55	7.71
WH-17	17	17-Jun-02	mg/L	< 0.005	0.045	< 0.005	0.72	7.00
WH-17	17	05-Sep-02	mg/L	< 0.005	0.037	< 0.005	0.75	7.20
WH-17	17	19-Nov-02	mg/L	<0.005	0.053	<0.005	0.51	6.54
WH-17	17	27-Feb-03	mg/L	< 0.005	0.029	<0.005	0.54	6.35
WH-17	17	19-May-03	mg/L	< 0.005	0.041	<0.005	0.85	7.52
WH-17	17	12-Aug-03	mg/L	<0.005	0.045	<0.005	0.74	8.17
WH-17	17	24-Nov-03	mg/L	< 0.005	0.053	<0.005	0.82	8.02
WH-17	17	16-Mar-04	mg/L	< 0.005	0.042	<0.005	0.53	7.07
WH-17	17	21-May-04	mg/L	< 0.005	0.06	<0.005	0.74	7.17
WH-17	17	28-Sep-04	mg/L	< 0.005	0.055	<0.005	0.78	7.20
WH-17	17	08-Dec-04	mg/L	<0.005	0.033	<0.005	0.38	6.68
WH-17	17	26-Apr-05	mg/L	0.0022	0.061	0.0026	0.77	7.18
WH-17	17	09-Aug-06	mg/L	--	--	0.0089	1.10	7.6
WW-6	18	13-Jan-99	mg/L	< 0.05	<0.10	<0.05	0.8	7.70
WW-18	18	26-Sep-07	mg/L	--	--	<0.005	1.20	7.6

Notes:

mg/L = milligrams per liter

pH results reported in Standard Units (SU).

Concentrations in milligrams per liter (mg/L)

-- = not analyzed

TABLE 6
Zinc Mass Loading Estimates from Weep Holes to Surface Water
5051 Coliseum Way, Oakland, CA

Weep Sample	Sample Date	Fill Time minutes	Sample Volume (ozs)	Flow Rate (ozs/min.)	Flow H2O gals/min	Flow *** H2O pounds/yr	Conc Zn (mg/L) This Event	Total This Event Pounds Zn/yr
WW-4	9/27/2007	15	32	2.1	0.017	36,529.2	36.0	1.32
WW-8	9/27/2007	23	32	1.4	0.011	23,823.4	1.60	0.04
WW-10	9/27/2007	38	32	0.8	0.007	14,419.4	5.20	0.07
WW-12	9/27/2007	18	32	1.8	0.014	30,441.0	1.40	0.04
WW-16	9/27/2007	36	32	0.9	0.007	15,220.5	0.53	0.01
WW-18	9/27/2007	40	16	0.4	0.003	6,849.2	1.20	0.01
This Event Total flow H2O (gals/min):					0.058			
This Event Total Flow H2O (pounds/yr):						127,282.7		
This Event Total Pounds of Zn/yr.:								1.49

Legend:

*** = Flow to surface water is calculated at one-half of the annual period to account for tidal effects, a conservative estimate as it is likely much less

mg/L = milligrams per liter

ozs = ounces

gals = gallons

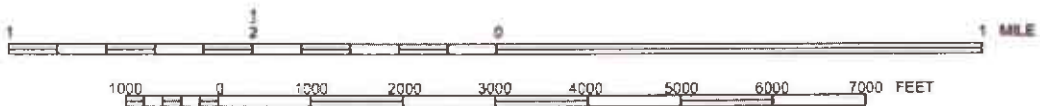
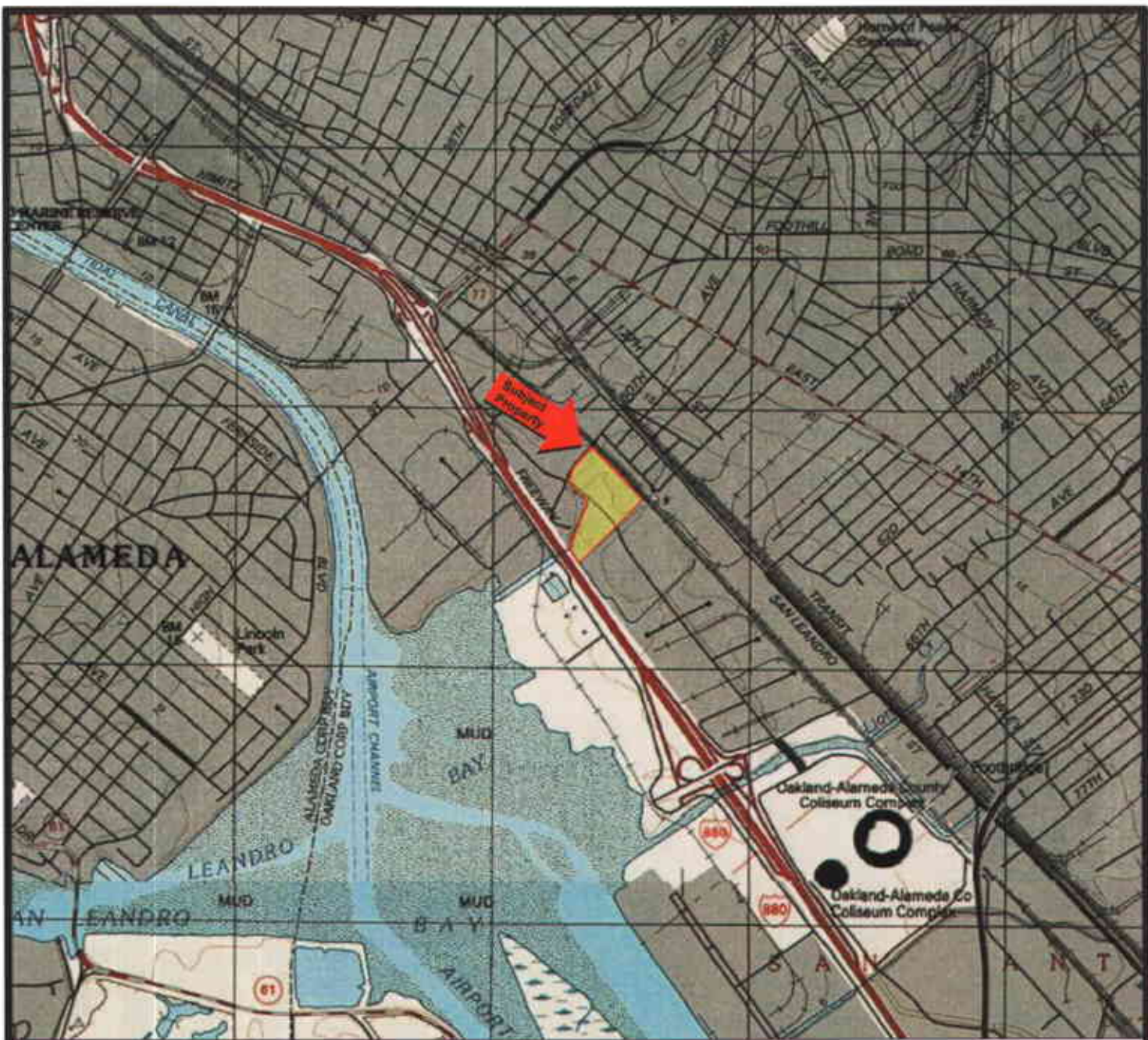
yr = year

Units used: gallon = 128 ozs = 8.34 pounds



**BUREAU
VERITAS**

FIGURES



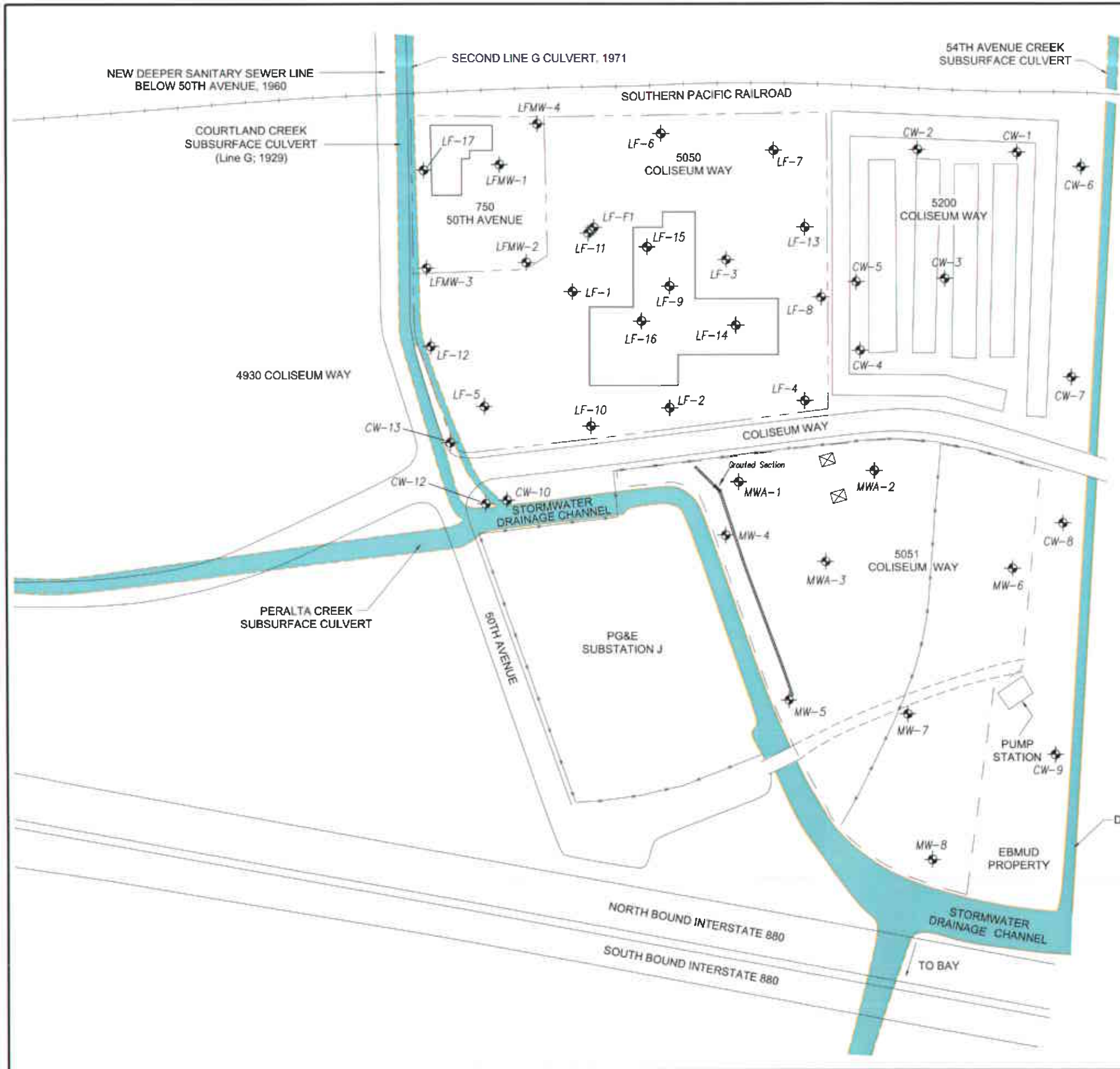
Portion of the 7.5-Minute Series Oakland East, California
 Quadrangle Topographic Map
 United States Department of the Interior
 Geological Survey
 1997



PROPERTY LOCATION MAP
 Coliseum Way Properties
 Oakland, California
 Project No. 33100-000509.04

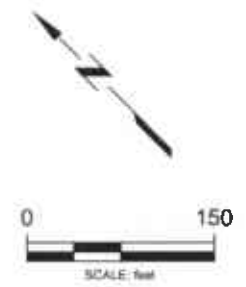
Figure
 1





LEGEND:

- Monitoring Well Location
- Barrier Wall
(Sheetpile constructed October-November 2001. Portion grouted on June 17, 2002)
- Line indicates sheetpiles where dashed and grouted where solid.
- Reference: Survey of Sheet Pile Barrier Wall, RBF Consulting, April 2002.

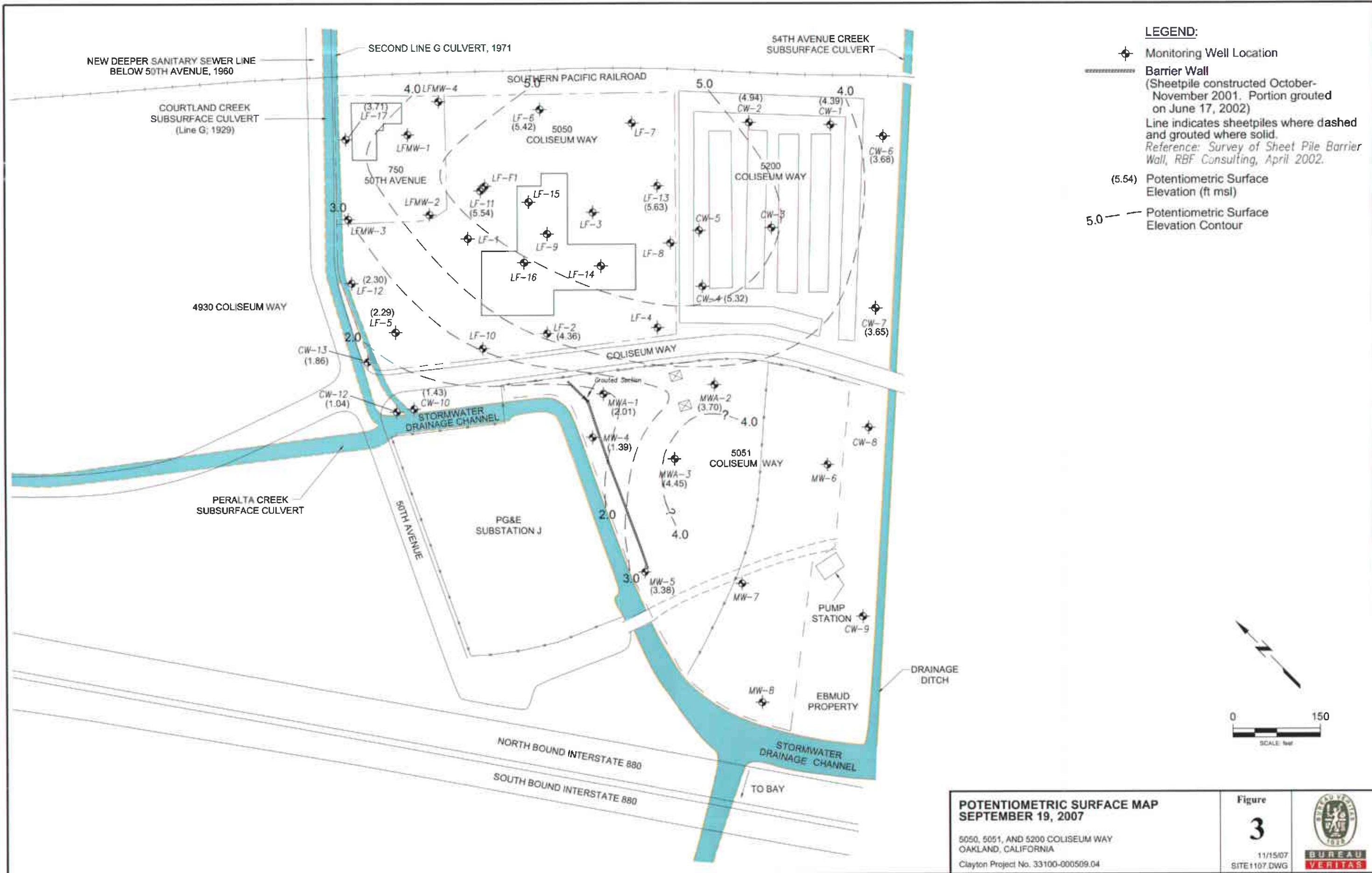


SITE PLAN

5050, 5051, AND 5200 COLISEUM WAY
OAKLAND, CALIFORNIA
Clayton Project No. 33100-000509.04

Figure
2
11/15/07
SITE1107.DWG





LEGEND:

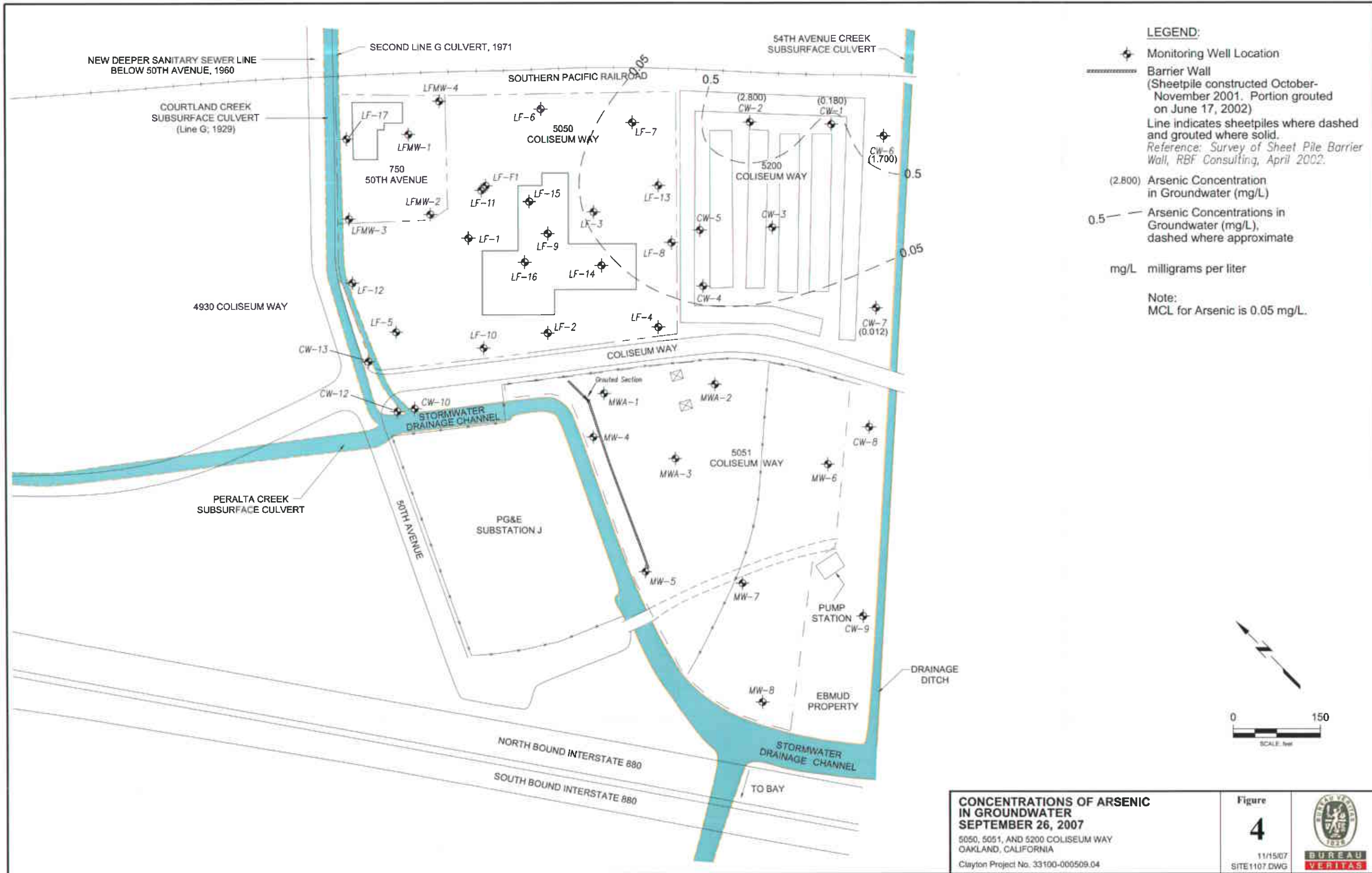
- ⊕ Monitoring Well Location
- Barrier Wall
(Sheetpile constructed October-November 2001. Portion grouted on June 17, 2002)
Line indicates sheetpiles where dashed and grouted where solid.
Reference: Survey of Sheet Pile Barrier Wall, RBF Consulting, April 2002.
- (5.54) Potentiometric Surface Elevation (ft msl)
- 5.0 --- Potentiometric Surface Elevation Contour

**POTENTIOMETRIC SURFACE MAP
SEPTEMBER 19, 2007**

5050, 5051, AND 5200 COLISEUM WAY
OAKLAND, CALIFORNIA
Clayton Project No. 33100-000509.04

Figure
3

11/15/07
SITE 1107.DWG



LEGEND:

- ◆ Monitoring Well Location
- ▬ Barrier Wall (Sheetpile constructed October-November 2001. Portion grouted on June 17, 2002)
- Line indicates sheetpiles where dashed and grouted where solid. Reference: Survey of Sheet Pile Barrier Wall, RBF Consulting, April 2002.
- (2.800) Arsenic Concentration in Groundwater (mg/L)
- 0.5 — Arsenic Concentrations in Groundwater (mg/L), dashed where approximate
- mg/L milligrams per liter
- Note: MCL for Arsenic is 0.05 mg/L.

CONCENTRATIONS OF ARSENIC IN GROUNDWATER
SEPTEMBER 26, 2007
 5050, 5051, AND 5200 COLISEUM WAY
 OAKLAND, CALIFORNIA
 Clayton Project No. 33100-000509.04

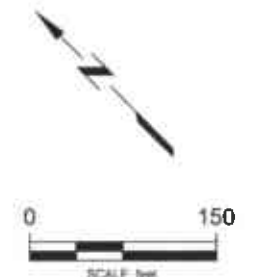
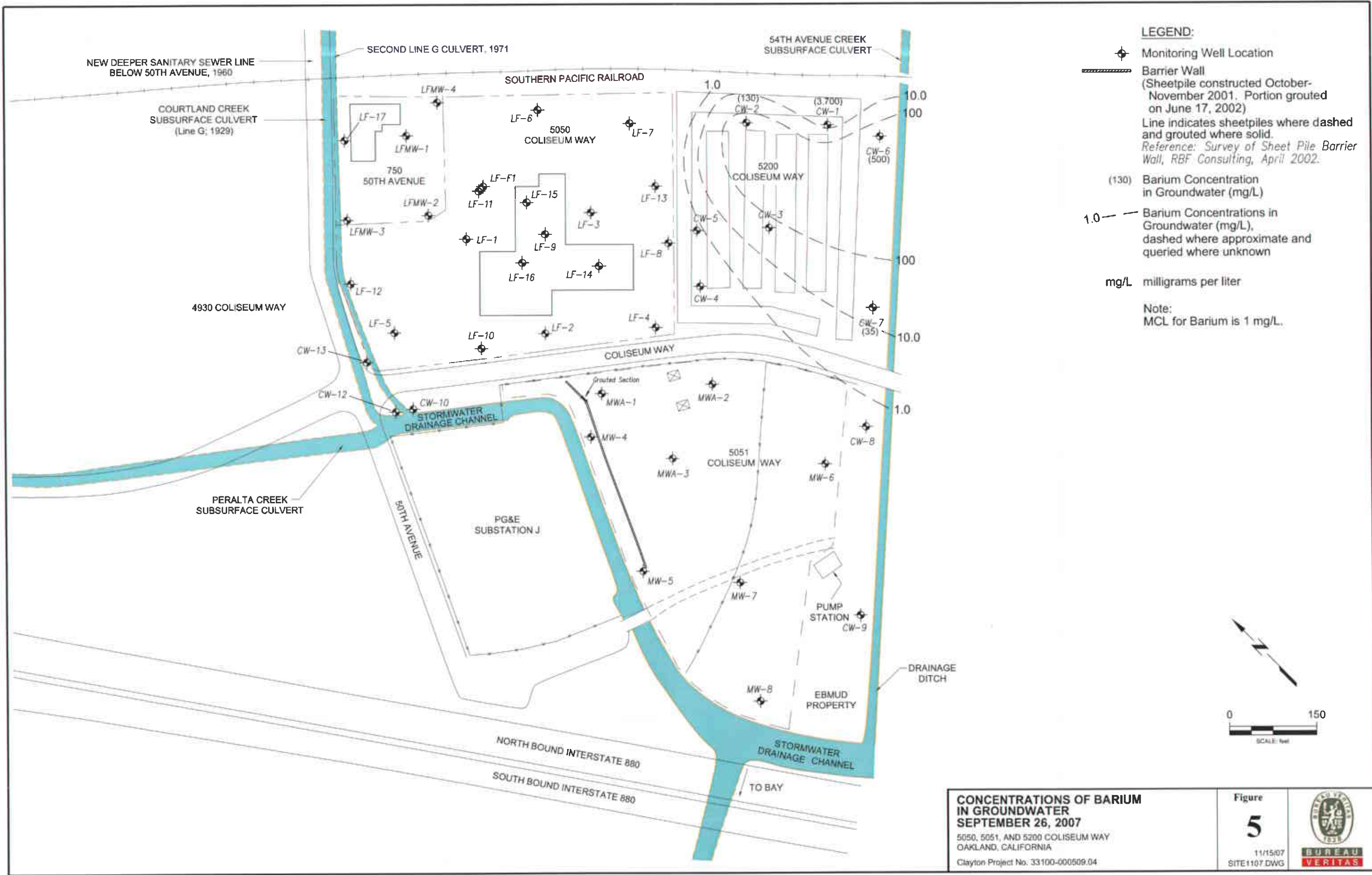
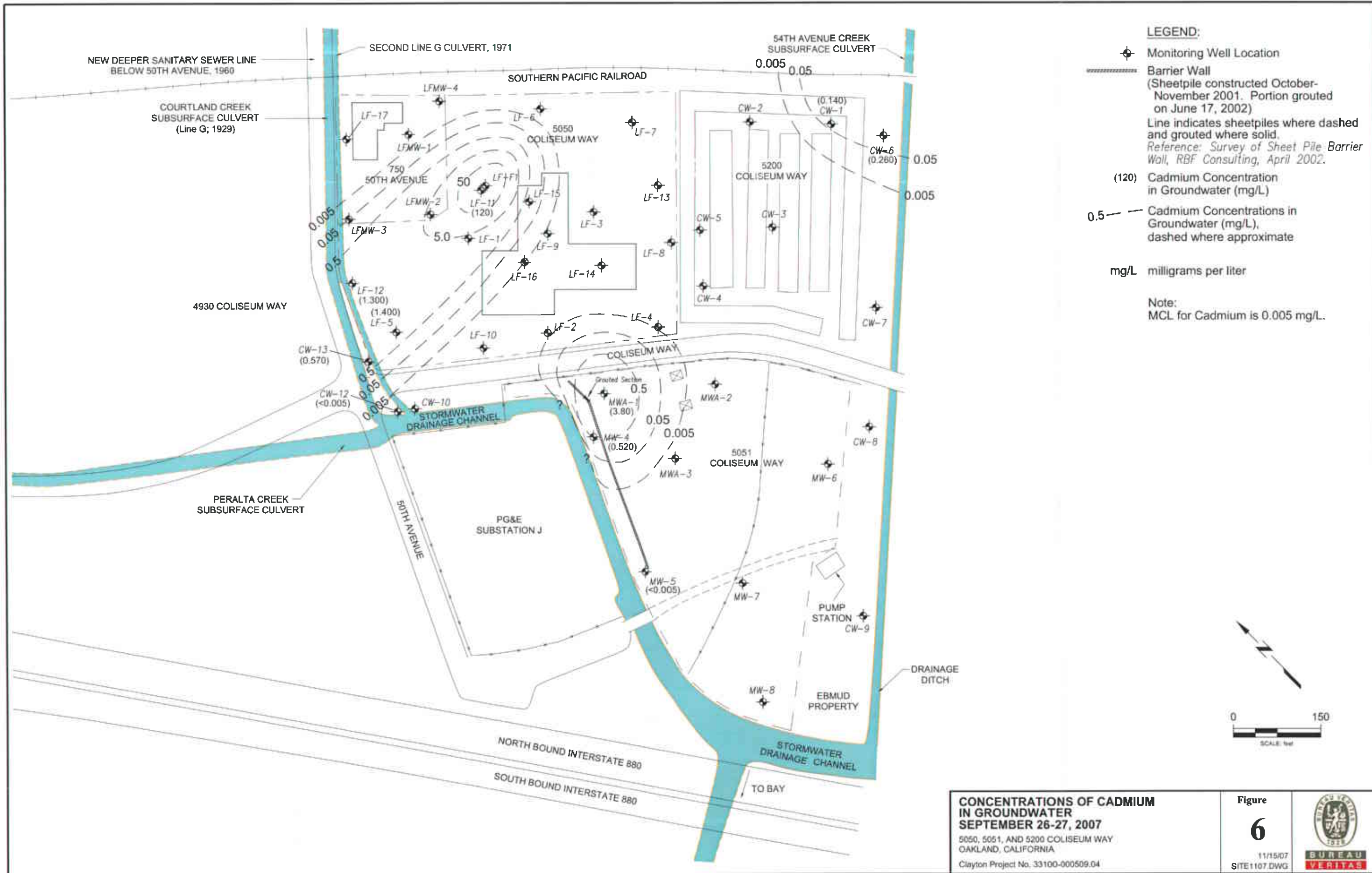


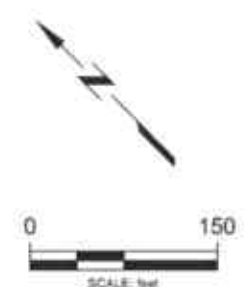
Figure
4
 11/15/07
 SITE 1107.DWG

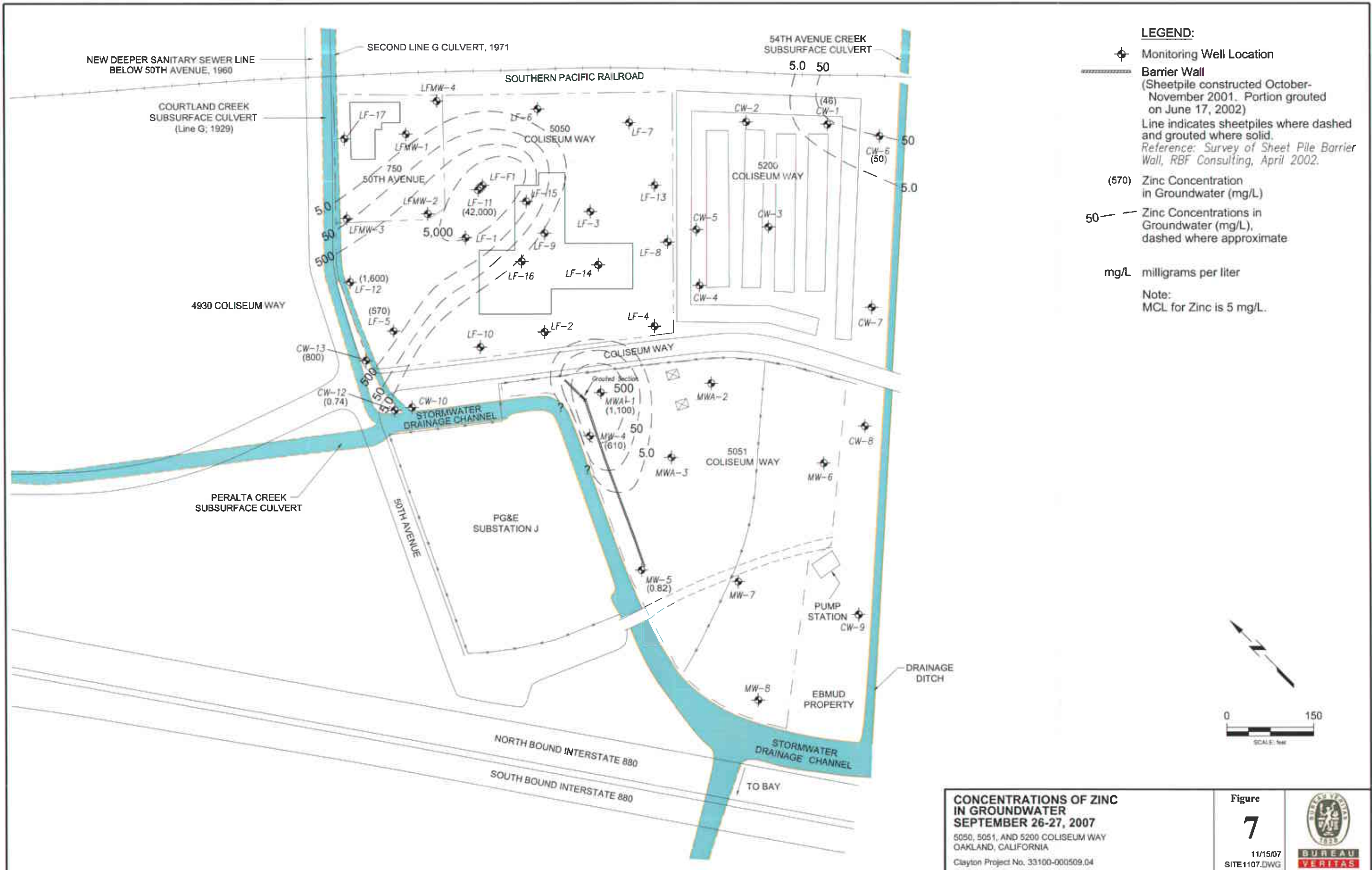




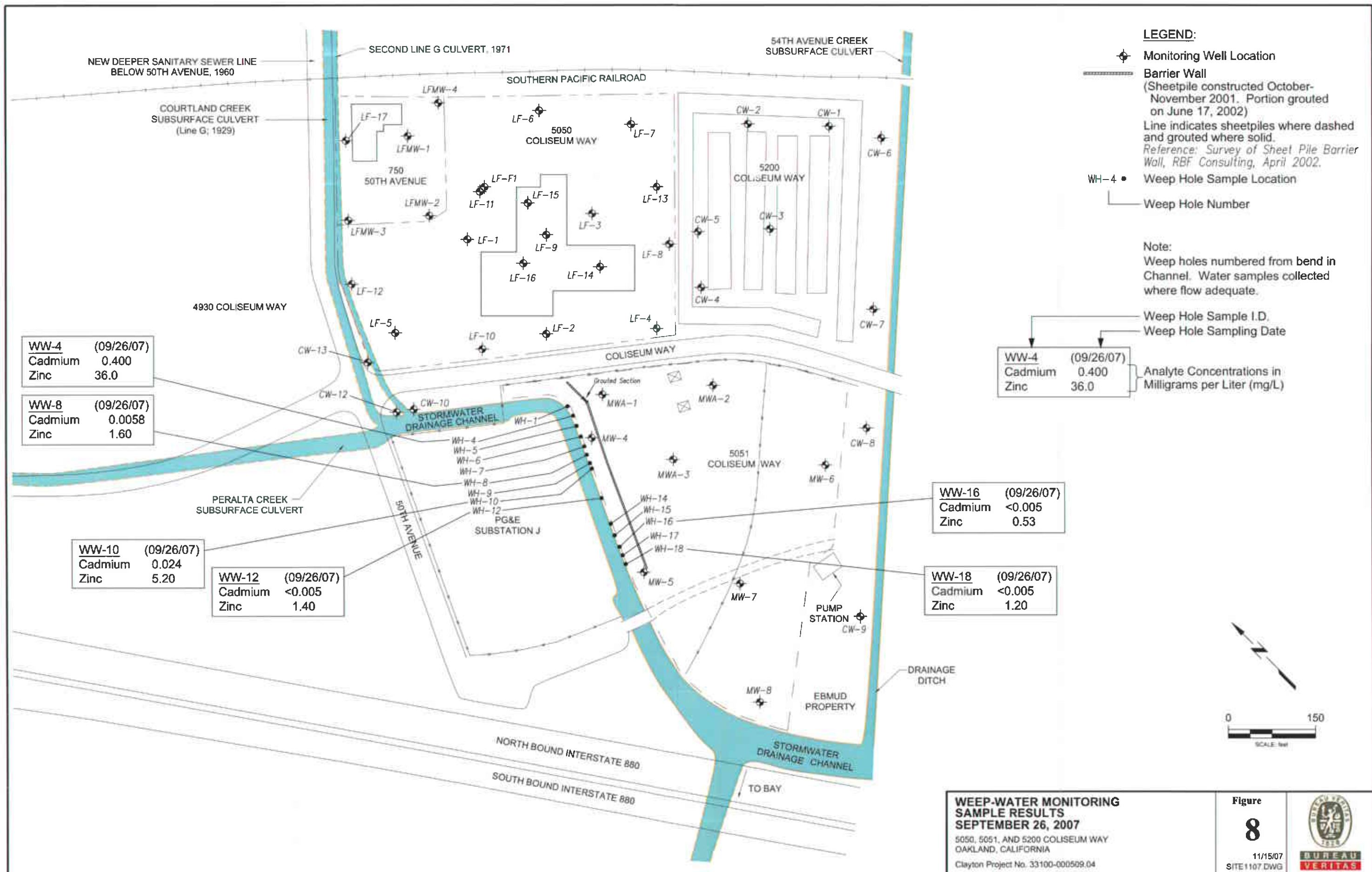
CONCENTRATIONS OF CADMIUM IN GROUNDWATER
SEPTEMBER 26-27, 2007
 5050, 5051, AND 5200 COLISEUM WAY
 OAKLAND, CALIFORNIA
 Clayton Project No. 33100-000509.04

Figure **6**
 11/15/07
 SITE 1107.DWG





CONCENTRATIONS OF ZINC IN GROUNDWATER
SEPTEMBER 26-27, 2007
 5050, 5051, AND 5200 COLISEUM WAY
 OAKLAND, CALIFORNIA
 Clayton Project No. 33100-000509.04



WW-4	(09/26/07)
Cadmium	0.400
Zinc	36.0

WW-8	(09/26/07)
Cadmium	0.0058
Zinc	1.60

WW-10	(09/26/07)
Cadmium	0.024
Zinc	5.20

WW-12	(09/26/07)
Cadmium	<0.005
Zinc	1.40

WW-16	(09/26/07)
Cadmium	<0.005
Zinc	0.53

WW-18	(09/26/07)
Cadmium	<0.005
Zinc	1.20

WW-4	(09/26/07)
Cadmium	0.400
Zinc	36.0

Analyte Concentrations in Milligrams per Liter (mg/L)

LEGEND:

- ⊕ Monitoring Well Location
- ▬ Barrier Wall
(Sheetpile constructed October-November 2001. Portion grouted on June 17, 2002)
Line indicates sheetpiles where dashed and grouted where solid.
Reference: Survey of Sheet Pile Barrier Wall, RBF Consulting, April 2002.
- WH-4 Weep Hole Sample Location
- └ Weep Hole Number

Note:
Weep holes numbered from bend in Channel. Water samples collected where flow adequate.

Weep Hole Sample I.D.
Weep Hole Sampling Date



WEEP-WATER MONITORING SAMPLE RESULTS SEPTEMBER 26, 2007 5050, 5051, AND 5200 COLISEUM WAY OAKLAND, CALIFORNIA Clayton Project No. 33100-000509.04	Figure <h1 style="font-size: 2em;">8</h1>	 BUREAU VERITAS
	11/15/07 SITE 1107 DWG	

CHART 1 - Zinc Concentrations - Weep Holes No. 4, 8 & 12

