FROM :PRITPAUL SAPPAL FAX NO. :7075537920 May. 29 2008 09:57AM P1

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Alameda County
Environmental Health

May 28, 2008

Mr. Paresh Khatri
Alameda County
Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Ste. 250
Alameda, California 94502-6577

RE: **Site Conceptual Model**
Alaska Gas
6211 San Pablo Avenue
Oakland, California

Dear Mr. Khatri:

Attached for your review and comment is the May 27, 2008 *Site Conceptual Model,* prepared by HerSchy Environmental, Inc upon my behalf, for the above-referenced site.

As the legally authorized representative of the above-referenced project, I have reviewed the attached report and declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

P. Sappal

Mr. Pritpaul Sappal

Site Conceptual Model

Alaska Gasoline

6211 San Pablo Avenue
Oakland, CA
Project A51-01
Case #RO0000127

Prepared By

HerSchy Environmental, Inc.

Reijo Ratilainen
Project Geologist

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PROFESSIONAL GEOLOGIST
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No. 7948
STATE OF CALIFORNIA

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1.0 Regional Geology & Hydrogeology

1.1 Regional Geology

The following information is taken from the Environmental Data Resources, Inc. (EDR) *The EDR Radius Map with GeoCheck®* report prepared April 8, 2008 for HerSchy Environmental, Inc.

Rock Stratigraphic Unit

Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q

Geologic Age Identification

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

The following information is taken from *Geologic Map & Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California*¸ by R.W. Graymer (2000). A low resolution copy of the *Geologic Map* is included as Appendix A.

Geologic Map Associated with the Subject Site

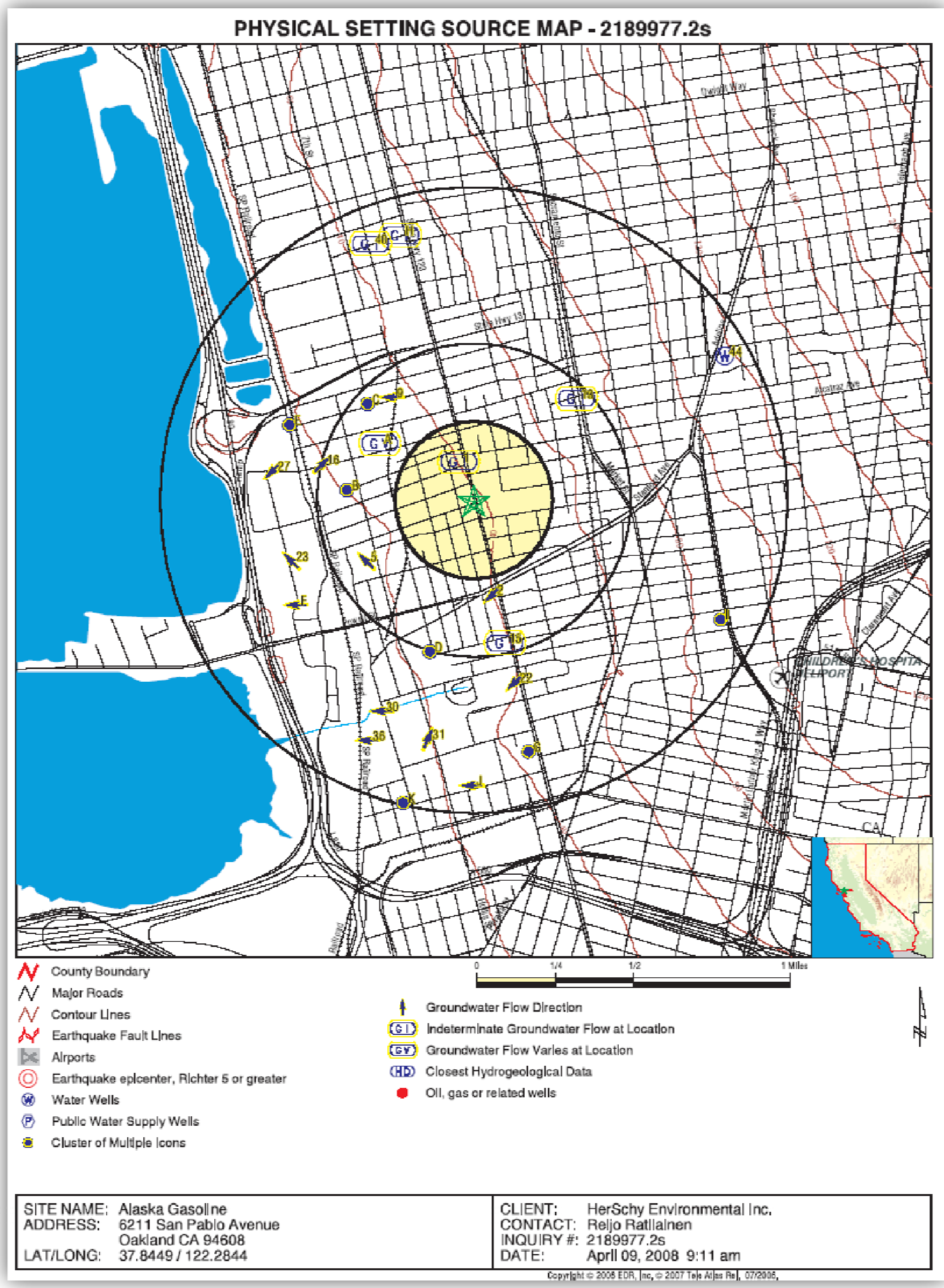
Qhl: Natural levee deposits (Holocene)

Qhaf: Alluvial Fan and fluvial deposits (Holocene)

1.2 Regional Hydrogeology

Generally speaking, groundwater flow in the San Francisco Bay region is tied strongly to both the San Francisco and San Pablo Bays. According to information taken from the *Physical Setting Source Map* and the associated supporting data from EDR, groundwater flow within a one mile radius of the subject site is typically west-southwest, but can vary in all compass directions (see Figure 1, following page.) Groundwater flow at the subject site generally follows the regional west-southwest trend. Further site-specific groundwater flow data are included in Section 2.1, Section 5.0, and Appendix F.

Figure 1: Physical Setting Source Map (Taken from EDR)



2.0 – SITE SPECIFIC DATA

2.1 Geology & Hydrogeology

The lithology encountered during various subsurface investigation events consists of primarily silty clay (CL) to maximum explored depth of 30 feet below grade (extraction well EX-1). Lesser intervals of silt, clayey silt, very fine- to fine-grained sand (ML), silty sand (SM), sand (SW), and clayey gravel (GC) are also present in the explored subsurface areas at this site.

Site specific cross-sections and historical site maps with boring locations are included in Appendix B.

2.2 Release History

On October 26, 1992, during a routine inspection of the facility by a representative of the Alameda County Health Care Services Agency (ACHCSA), a leak was observed in the "red jacket" pressure system of the 10,000-gallon, regular, unleaded underground storage tank. An inspection report was issued that day requiring an investigation of an unauthorized release. This information was taken from information provided in the *Workplan for Excavation of Contaminated Soil*, prepared by Tank Protect Engineering of Northern California, Inc. dated April 6, 1993.

In a letter dated December 7, 1992, the ACHCSA required several items. Of the task items, one required investigation of soil and groundwater contamination and another required the proposed cleanup action. This information was taken from information provided in the *Workplan for Excavation of Contaminated Soil*, prepared by Tank Protect Engineering of Northern California, Inc. dated April 6, 1993.

In HerSchy's April 14, 1999 *Work Plan for Underground Storage Tank (UST) Assessment, Alaska Gasoline, Oakland, California,* it was asserted that "The [assessment] work is being performed in preparation of upgrading the USTs in place." Actual physical assessment consisted of three soil borings (B-1 through B-3) and took place on April 16, 1999.

A report titled *Results of February, 2004 Quarterly Groundwater Monitoring and Interim Remedial Action Related to Underground Storage Tank (UST) Removal Activities, Alaska Gasoline Company, Oakland, California, Case #RO0000127* was submitted March 18, 2004. This report detailed excavation and over-excavation activities undertaken as interim remedial actions during tank removal and subsequent installation of new tanks. The report also details compliance soil sampling undertaken during upgrade activities.

No other documentation of site activities or release history information between April 6, 1993 and April 14, 1999 was encountered during the creation of this site conceptual model (SCM).

Site History

Case Open – October 26, 1992[1]
Date Leak Discovered – October 26, 1992[2]
Date Leak Reported – October 26, 1992[2]
Date Leak Stopped – Unknown
How Discovered – Routine inspection[2]

1 - Data obtained through GeoTracker research

2 - Data not official and is based on a probable scenario

2.3 Contaminant Source Description

The unauthorized release was first discovered as a leak in the "red jacket" pressure system of the 10,000-gallon, regular, unleaded UST as mentioned above. As such, the contaminant source is likely regular, unleaded gasoline. The primary source area is likely the area immediately adjacent to the former "red jacket" area of the 10,000-gallon, regular, unleaded UST. Through continued monitoring and additional site assessment work, it appears that a significant secondary source area is present in the southwest area of the site. This is evident by the fact that free product had been encountered in wells MW-4 and EX-1 for an extended period of time. At the time of preparation of this SCM, there was no free product in either EX-1 or MW-4.

2.4 Plume Development

It appears that the known area of the contaminant plume (within site boundaries) is relatively consistent and stable. More investigations in the cross-gradient, down-gradient, and vertical directions are necessary to accurately assess full plume development.

2.5 Attenuation Mechanisms

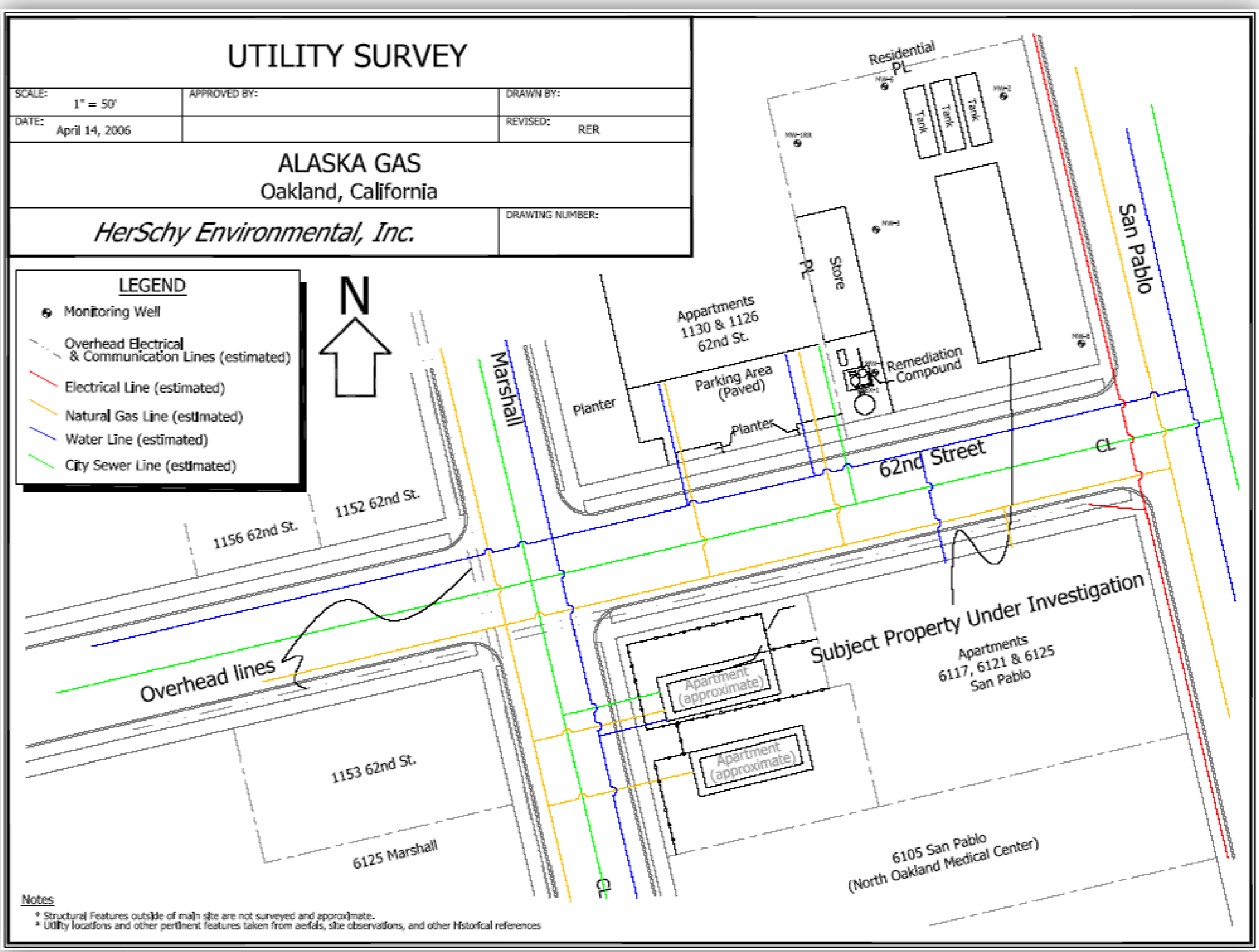
Probable attenuation mechanisms at this site currently include natural bio-attenuation and dispersion, although neither has been investigated to date. Previous attenuation mechanisms have included excavation and removal of contaminated soil, operation of a soil vapor extraction system coupled with air sparging, use of product specific absorbent socks for treating free product, and a one-time dual phase extraction pilot test.

2.6 Preferential Pathway(s)

2.6.1 Utility Survey

A utility study was conducted of the areas immediately adjacent and down gradient of the subject site and source area. A utility map is included below (Figure 2).

Figure 2: Utility Survey



Estimated Utility Depths

Underground Electrical Lines – Near surface

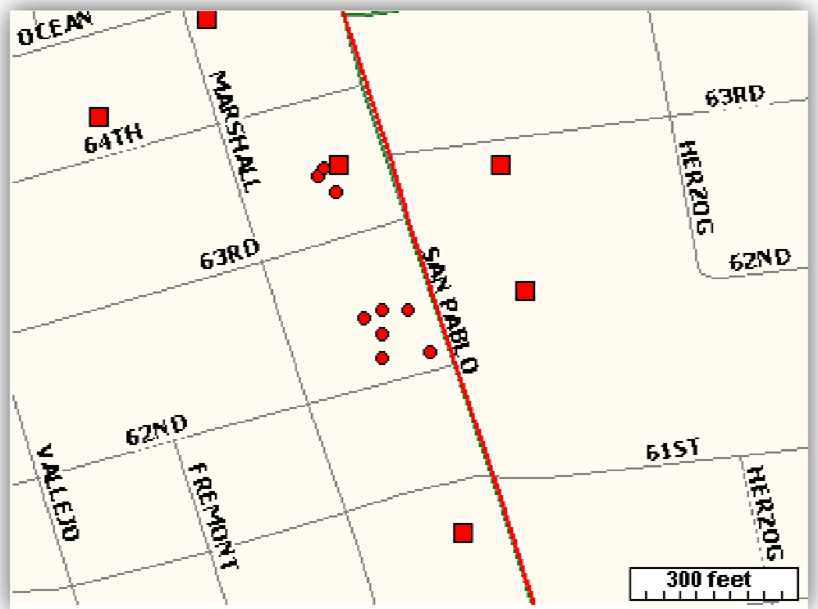
Water Lines – 2.5 to 3.5 below grade

Natural Gas Lines – 3.5 to 4.5 feet below grade

City Sewer – 5.5 to 6.5 feet below grade

Figure 3:

GeoTracker Map depicting LUFT sites and associated well points in the nearby vicinity of Alaska Gas.



(*image taken from Geotracker database, May 14, 2008)*

"Red Squares" – LUFT sites
"Red Circles" – well points

A Department of Water Resources (DWR) well survey of known wells within a ¼ mile radius of the subject site was to be included as Appendix C, but due to unforeseen circumstances was not available at the time of publishing of this document. The well survey will be included upon receipt from the DWR.

2.7 Threat to Receptors

Receptors in this case include site workers, site facility patrons, and adjacent property owners and/or residents. Exposure routes include direct contact with impacted soil and groundwater through subsurface excavation, trenching, digging, etc. Vapor intrusion is also a concern when considering threats to receptors. Per stipulations listed in *ASTM E 2600, Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions*, the "critical distance" or the distance at which migrating contaminant vapors can potentially impact a structure is listed at 30-feet for dissolved-phase petroleum hydrocarbons and 100-feet for petroleum hydrocarbon in free product form (i.e. above the water table). It appears that the asphalt/concrete surfacing at the subject property would effectively serve as a "cap" over impacted areas in the subsurface and assist in mitigating direct vertical migration of contaminant vapors.

Based on a review of the GeoTracker™ database, it appears that impacted water is designated as "other groundwater (not used as drinking water)."

2.8 Contaminant Volatilization Analysis

The main contaminants of concern at this site are lighter-end, petroleum hydrocarbons. As such, they fall into the category of volatile organic compounds (VOCs). VOCs are generally defined as organic chemical compounds that have high enough vapor pressures under normal conditions to significantly vaporize and enter the atmosphere. It is important to note that the soil vapor data garnered to date is not from passive volatilization of contaminants, but rather from active stripping and vacuuming of VOCs from groundwater and the vadose zone. As such, the values reported below are likely much higher than what would be encountered during passive volatilization processes. A vapor intrusion survey is necessary to better assess passive volatilization processes. The following table compares environmental screening limits as proposed by the San Francisco Bay Regional Water Quality Control Board with values gathered during operation of the soil vapor extraction system.

Soil Vapor Data Comparison
Alaska Gasoline
6211 San Pablo Avenue
Oakland, California

San Francisco Bay Regional Water Quality Control Board
Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (2005)
Taken from: *Environmental Screening Levels (ESLs) for Indoor Air & Soil Gas*

	TPH (gasolines)	Benzene	Toluene	EthylBenzene	Total Xylenes	MTBE
	parts per billion by volume (ppbV)					
Residential Screening Level	7.12 E+3	2.62 E+1	1.63 E+4	9.41 E+4	3.30 E+4	2.55 E+3
Commercial/Industrial Screening Level	1.99 E+4	8.79 E+1	4.56 E+4	2.63 E+5	9.24 E+4	8.56 E+3

Alaska Gas - SVES sampling - Laboratory Data

Sample	Date	TPHg (C5+)	Benzene	Toluene	EthylBenzene	Total Xylenes	MTBE
		parts per billion by volume (ppbV)					
Influent	2/27/2007	1600	5	11	0.61	16	82
Influent	6/18/2007	210	1.9	6.2	2.7	19	1.5

2.9 Boring Logs

Appendix D includes all soil boring logs, direct-push boring logs, vapor extraction well logs, air sparge well logs, extraction well logs, and monitoring well logs that have been installed or advanced during the course of the present site investigation.

2.10 Supplementary Site Specific Data

Appendix E includes an aerial photograph from 2004 taken from the Microsoft™ TerraServer website which shows the station layout prior to station upgrades in late 2004 to early 2005. Historical aerial photographs dating back to 1931 and historical fire insurance maps (Certified Sanborn Maps) dating back to 1903, which were included in the Electronic Data Resources (EDR) report for Alaska Gas are also presented in Appendix E.

3.0 – DATA GAPS

3.1 Lateral Plume Extents

Lateral plume extents appear defined to the north-northwest, north, north-northeast, northeast, and east of the primary source area. Lateral plume extents are undefined offsite and down gradient of source area (from northwest to east-southeast of primary source area).

3.2 Vertical Plume Extents

Groundwater monitoring has indicated that shallow groundwater in the vicinity of the plume has been impacted. Vertical plume extents within the vicinity of the primary and secondary source areas have not been defined below historical groundwater lows at this time.

3.3 Volatilization

A soil vapor extraction (SVE) system has been operated onsite nearly continuously from August 31, 2006 to November 19, 2007. Volatilization pathways have not been fully assessed at this time.

4.0 – PROPOSED ACTIVITIES

4.1 Investigation of offsite, down gradient, lateral plume extents via direct push/hand auger soil borings. Both groundwater samples and soil samples to be collected.

4.2 Investigation into vertical plume extents onsite via direct push soil borings – to a depth of roughly 35 feet below grade.

4.3 Intermittent and/or seasonal operation of current SVES and air sparge system to enhance remedial efforts utilizing the presently installed system.

4.3.1 A potential modification to this activity would be periodic dual phase extraction along with air sparge activities.

4.4 Use of product socks as needed.

4.5 Installation of permanent down gradient monitoring points

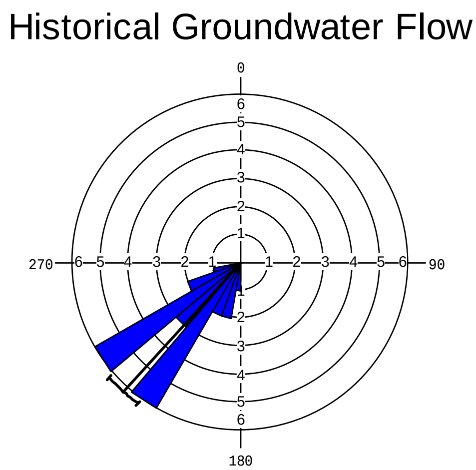
4.6 A vapor intrusion analyses

4.6.1 Installation of permanent vapor monitoring points

5.0 - GROUNDWATER FLOW DATA WITH ROSE DIAGRAM

Groundwater Flow Direction and Gradient			
Date	**Flow Direction**	**Flow Direction (Degrees)**	**Gradient**
November 7, 1999	S. 52 W	232	0.0068
March 8, 2001	S. 39 W	219	0.0092
November 17, 2001	S. 50 W	230	0.0091
March 31, 2002	S. 26 W	206	0.0108
September 9, 2003	S. 50 W	230	0.0031
December 9, 2003	S. 50 W	230	0.0031
February 19-20, 2004	S. 42 W	222	0.0154
May 24-25, 2004	S. 71 W	251	0.0081
September 3, 2004	S. 55 W	235	0.0075
November 2, 2004	S. 63 W	243	0.0083
February 17, 2005	S. 55 W	235	0.0036
May 24 & 26, 2005	S. 16 W	196	0.0097 (Estimate)
August 15 & 17, 2005	S. 38 W	218	0.013
November 17, 2005	S. 35 W	215	0.010
February 8, 2006	S. 48 W	228	0.010
May 5, 2006	S. 28 W	208	0.013
August 18, 2006	S. 19 W	199	0.0125
December 1, 2006	S. 9 W	189	0.03
February 23, 2007	S. 39 W	219	0.012
May 10, 2007	S. 38 W	218	0.013
August 16, 2007	S. 49 W	229	0.022
November 8, 2007	S. 65 W	245	0.012
February 14, 2008	S. 37 W	217	0.013

Figure 4: Rose Diagram for Historical Groundwater Flow Direction



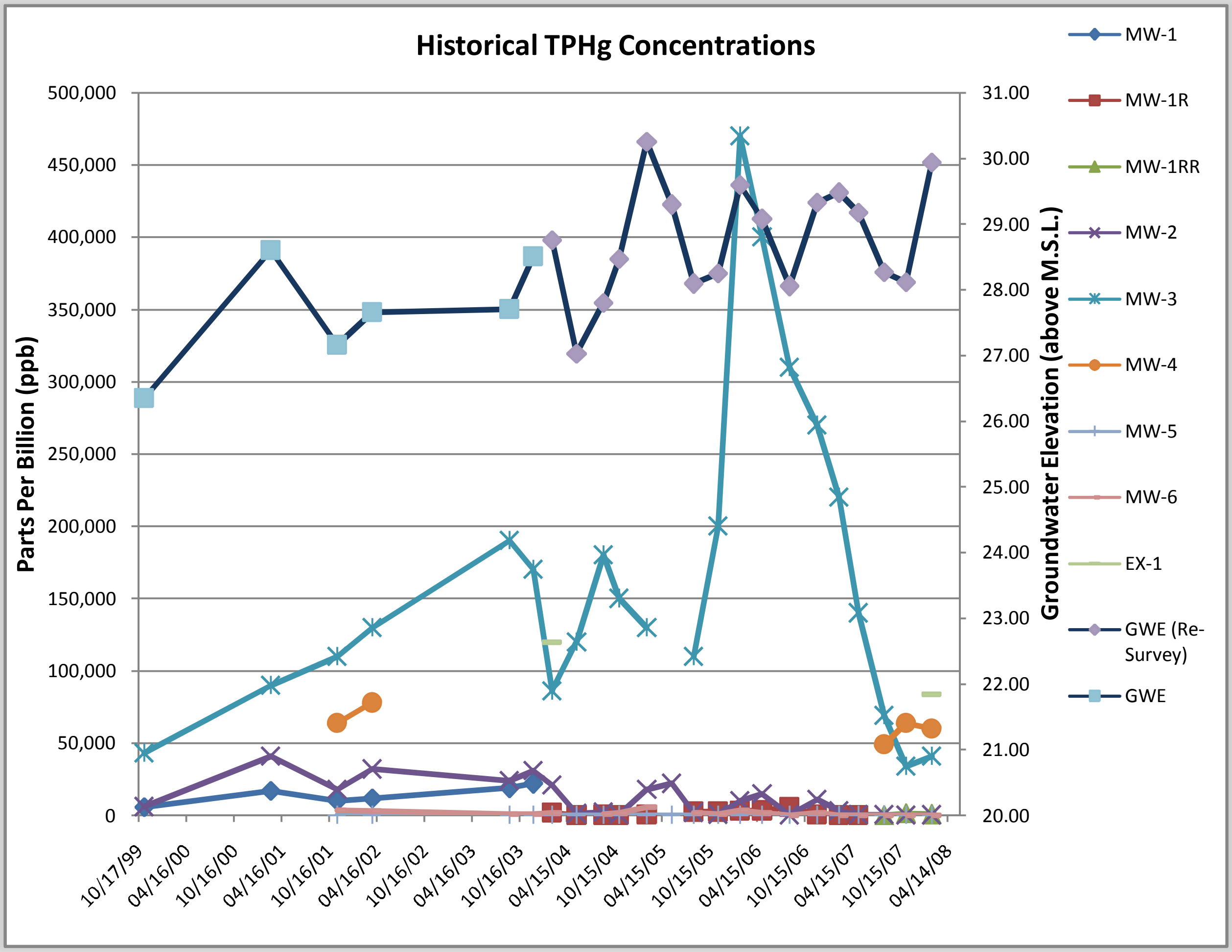
Further details of historical groundwater conditions are included in Appendix F.

6.0 – TEMPORAL CHANGES IN PLUME GEOMETRY

6.1 Historical Concentration Trends in TPHg for site wells

See Appendix G for further data on TPHg.

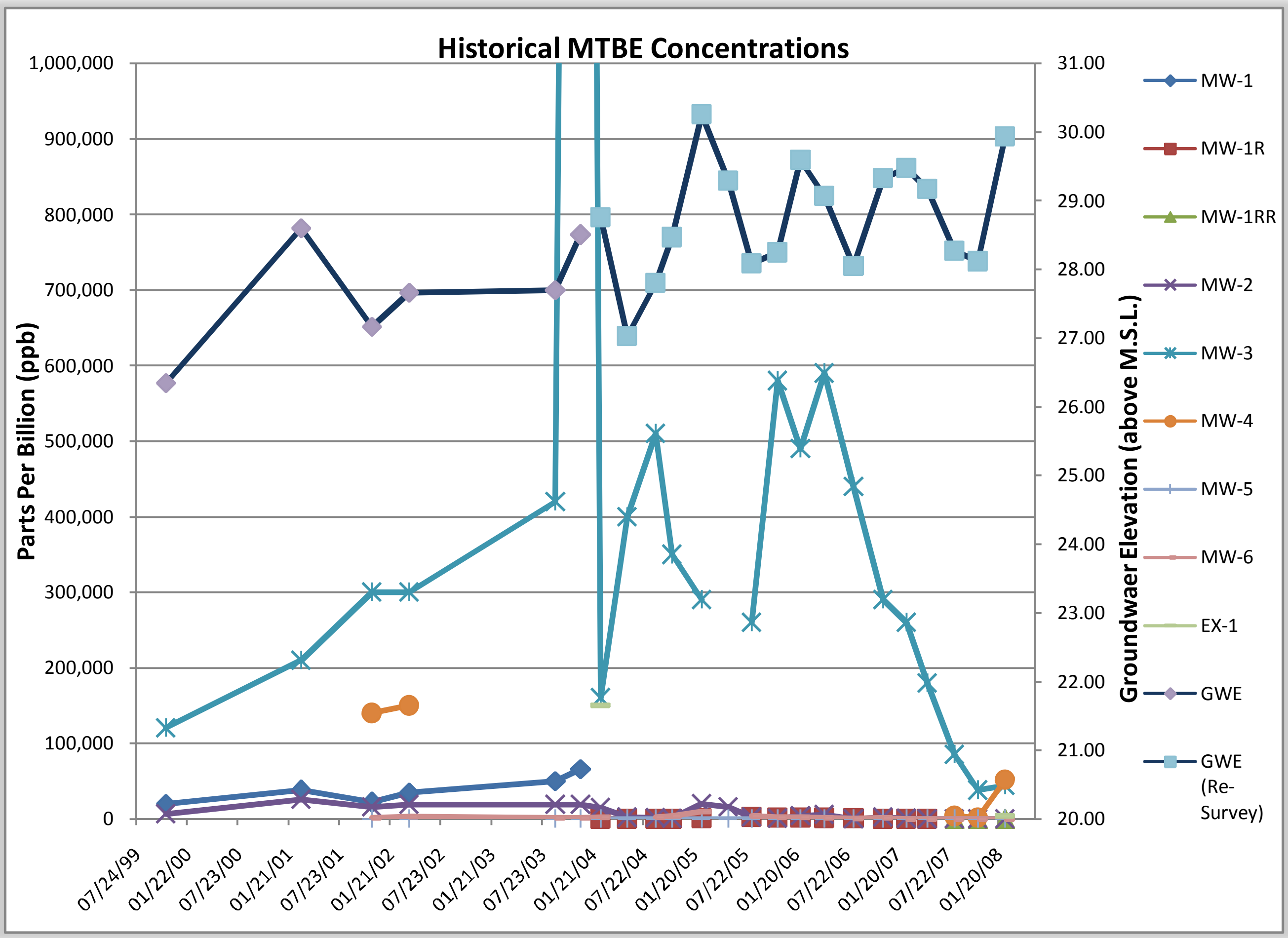
Figure 5: Historical Concentration Trends – TPHg



6.2 - Historical Concentration Trends in MTBE for site wells

See Appendix H for further data on MTBE.

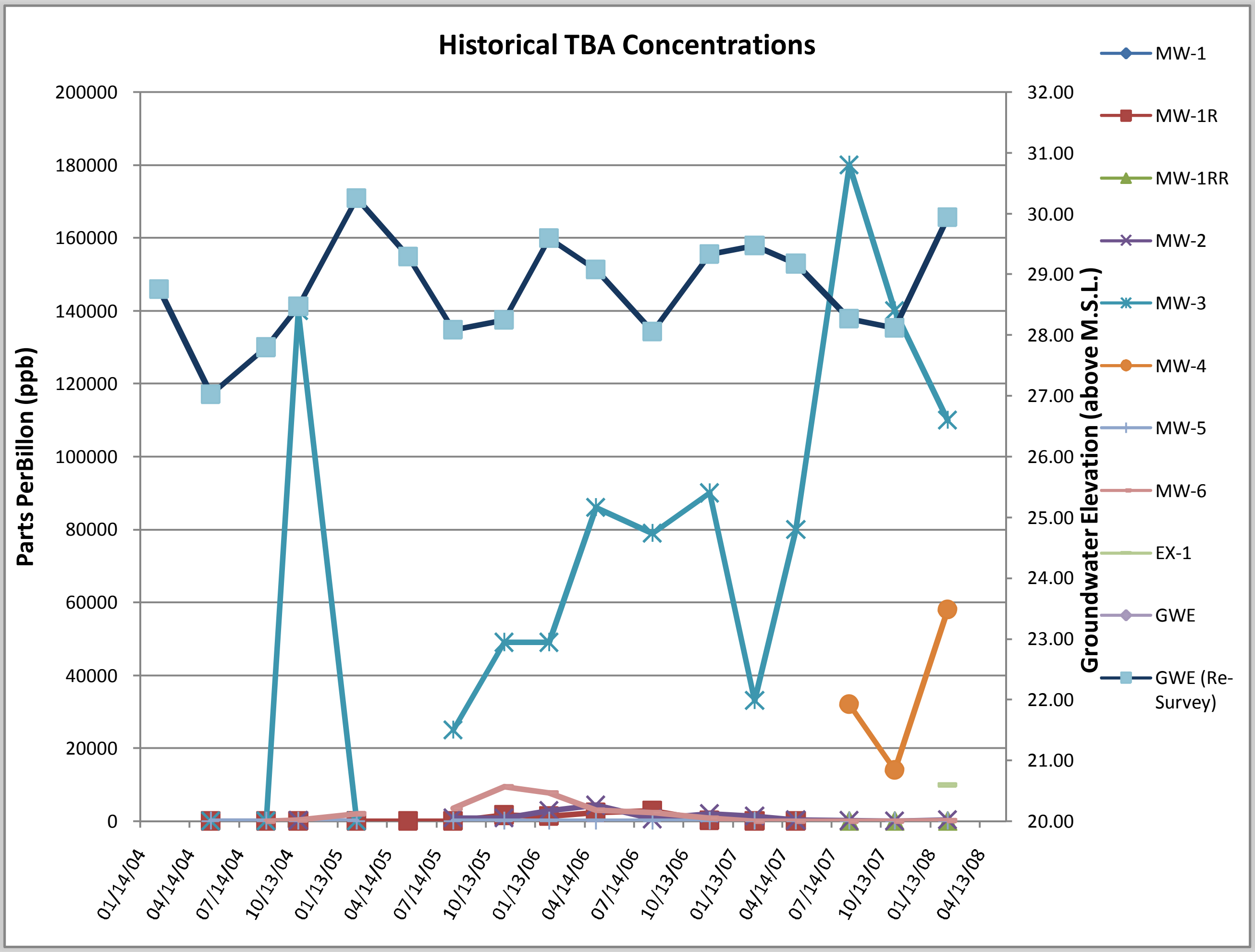
Figure 6: Historical Concentration Trends – MTBE



6.3 - Historical Concentration Trends in TBA for site wells

See Appendix I for further data on TBA.

***Figure 7**:* Historical Concentration Trends – TBA



6.4 – MTBE vs. TBA – Select Wells

See Appendix J for further data on MTBE vs. TBA.

Figure 8: Historical Concentration Trends – MTBE vs. TBA

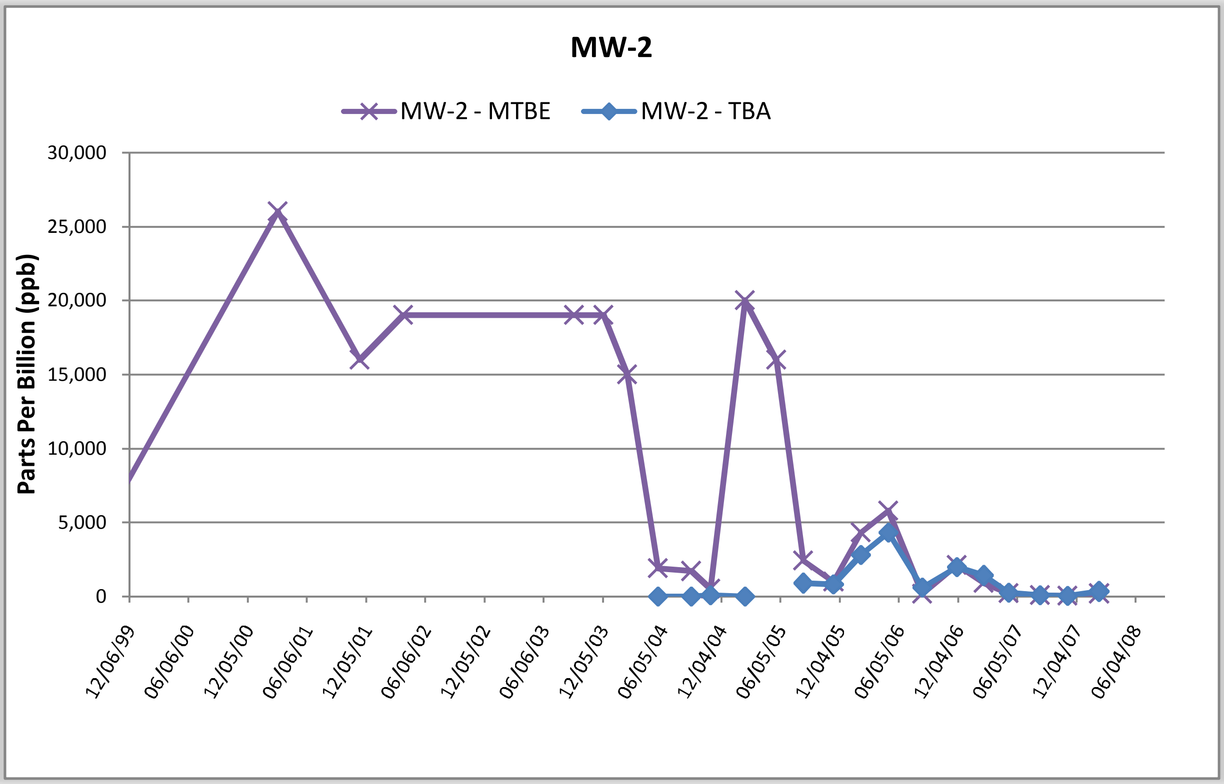
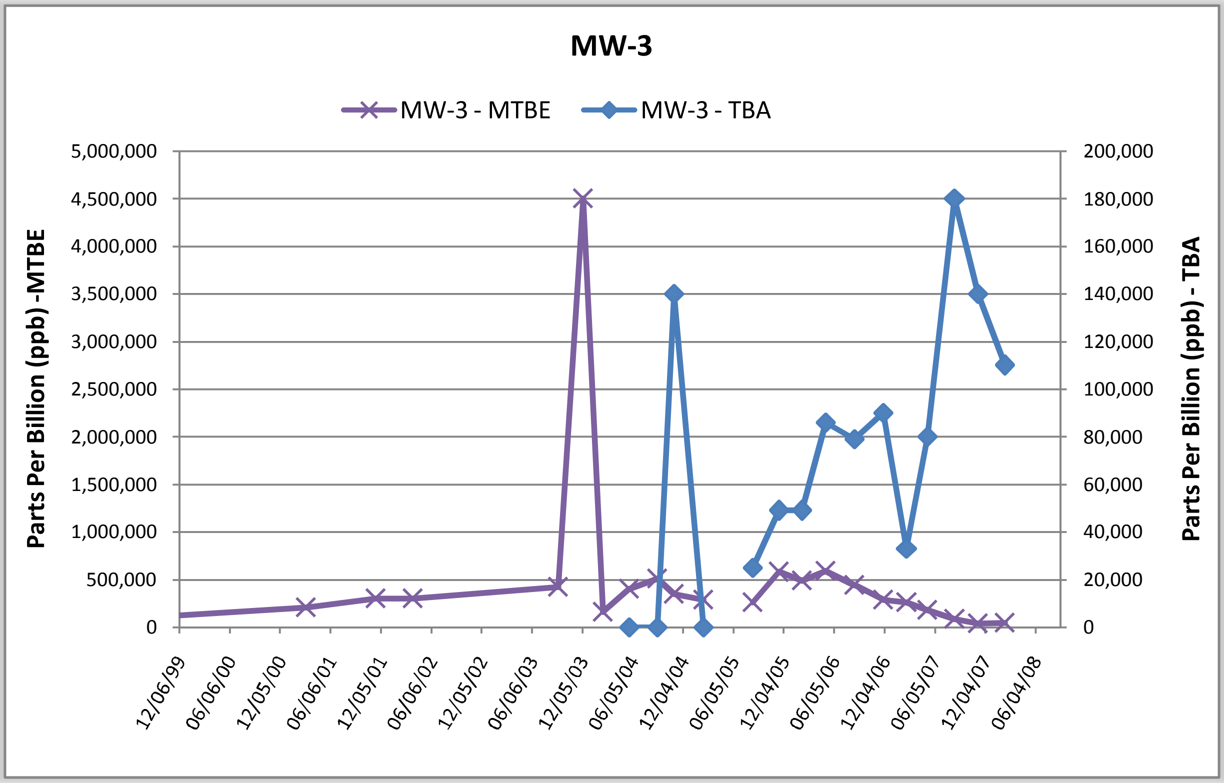
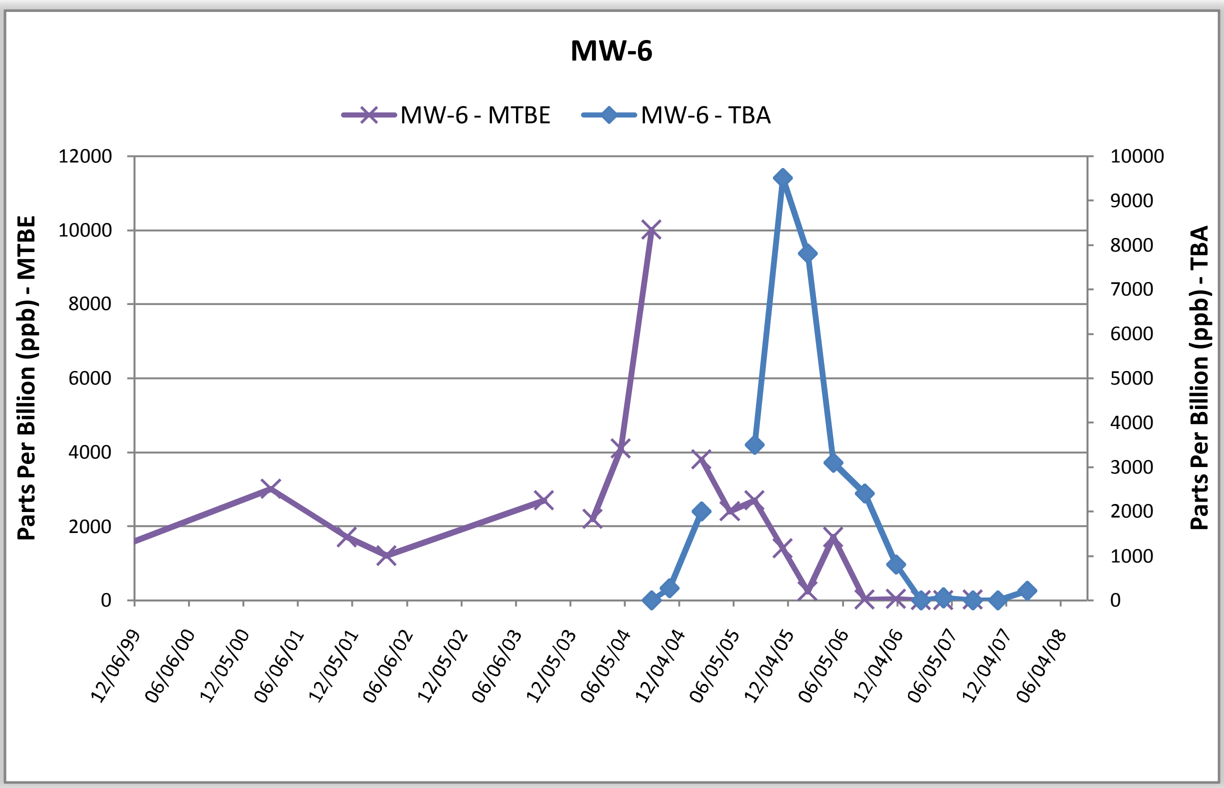


Figure 8: Historical Concentration Trends – MTBE vs. TBA *(Continued)*





7.0 – Historical Chemical Concentrations

7.1 Soil

Soil Historical Soil Analytical Results

Alaska Gasoline
6211 San Pablo Avenue
Oakland, California

	Sample ID	Sample Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Parts Per Million											
4/16/1999	**B-1 @ 10'**	*10*	**440**	**2.3**	**4.8**	**7.4**	**31**	**3.7**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
4/16/1999	**B-1 @ 15'**	*15*	**74**	**1.4**	**1.6**	**1.6**	**6.3**	**4.8**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
4/16/1999	**B-2 @ 10'**	*10*	**290**	**3.6**	**9.0**	**5.8**	**24**	**2.0**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
4/16/1999	**B-3 @ 10'**	*10*	**460**	**3.8**	**18**	**7.6**	**37**	**86**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-4 @ 5'**	*5*	**100**	**0.68**	**1.4**	**1.5**	**7.8**	**2.2**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-4 @ 10'**	*10*	**14**	**0.71**	<0.0050	**0.23**	**0.11**	**9.3**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-5 @ 5'**	*5*	**5.7**	**0.068**	**0.0061**	**0.033**	**0.065**	**3.5**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-5 @ 10'**	*10*	**34**	**0.37**	**0.079**	**0.17**	**0.57**	**2.0**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-6 @ 5'**	*5*	**92**	**2.3**	**5.4**	**1.5**	**7.0**	**23**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-6 @ 10'**	*10*	**30**	**1.3**	<0.0050	<0.0050	**0.060**	**46**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-7 @ 5'**	*5*	**3.2**	**0.12**	<0.0050	**0.073**	**0.14**	**0.023**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-7 @ 10'**	*10*	**280**	**0.57**	**0.56**	**2.8**	**14**	<0.010	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-8 @ 5'**	*5*	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
6/29/1999	**B-8 @ 10'**	*10*	**270**	**0.93**	**2.9**	**4.6**	**20**	**2.7**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
10/11/1999	**MW-1 @ 5'**	*5*	**1.1**	**0.14**	<0.0050	**0.017**	**0.016**	**0.065**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
10/11/1999	**MW-1 @ 10'**	*10*	**570**	**4.6**	**18**	**10**	**47**	**10**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Soil Historical Soil Analytical Results

Alaska Gasoline

6211 San Pablo Avenue

Oakland, California

	Sample ID	Sample Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Parts Per Million											
10/11/1999	**MW-2 @ 5'**	*5*	**16**	**0.25**	<0.0050	**0.26**	**0.30**	**1.2**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
10/11/1999	**MW-2 @ 10'**	*10*	**22**	**0.79**	**0.38**	**0.52**	**2.1**	**1.4**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
10/11/1999	**MW-3 @ 5'**	*5*	**2,200**	**11**	**63**	**35**	**170**	**48**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
10/11/1999	**MW-3 @ 10'**	*10*	**14**	**0.12**	**0.080**	<0.0050	**0.087**	**28**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-4 @ 5'**	*5*	**25,000**	**250**	**1,700**	**510**	**2,700**	**160**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-4 @ 10'**	*10*	**4.6**	**0.011**	**0.080**	**0.033**	**0.19**	**9.8**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-5 @ 5'**	*5*	**3.1**	<0.0050	**0.0064**	**0.0051**	**0.0070**	**0.012**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-5 @ 10'**	*10*	**17**	**0.067**	**0.018**	**0.20**	**0.25**	<0.010	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-6 @ 5'**	*5*	**30**	**0.57**	**0.14**	**0.72**	**2.9**	**1.5**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**MW-6 @ 10'**	*10*	**1,900**	**10**	**64**	**37**	**190**	**7.6**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-9 @ 5'**	*5*	**100**	**0.91**	**1.8**	**1.8**	**7.9**	**33**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-9 @ 10'**	*10*	**250**	**2.4**	**6.6**	**4.5**	**20**	**52**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-10 @ 5'**	*5*	**5.5**	**0.18**	**0.015**	**0.11**	**0.16**	**4.7**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-10 @ 10'**	*10*	**200**	**0.63**	**4.1**	**3.6**	**19**	**1.5**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-11 @ 5'**	*5*	**160**	**0.84**	**4.3**	**2.6**	**15**	**15**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-11 @ 10'**	*10*	**530**	**3.9**	**36**	**10**	**58**	**82**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-12 @ 5'**	*5*	**220**	**1.1**	**6.8**	**4.2**	**21**	**9.4**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-12 @ 10'**	*10*	**99**	**1.5**	**4.8**	**1.8**	**9.3**	**44**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
11/16/2001	**B-13 @ 5'**	*5*	**110**	**1.7**	**5.0**	**2.1**	**11**	**8.1**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Soil Historical Soil Analytical Results

Alaska Gasoline
6211 San Pablo Avenue
Oakland, California

	Sample ID	Sample Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Parts Per Million											
11/16/2001	**B-14 @ 10'**	*10*	**22**	**0.11**	**0.047**	**0.12**	**0.0056**	**1.5**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/15/2004	**AS-1 @ 6'**	*6*	**630**	**5.9**	**48**	**13**	**74**	**46**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/15/2004	**AS-2 @ 5'**	*5*	**650**	**3.5**	**34**	**13**	**69**	**26**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/14/2004	**AS-3 @ 5'**	*5*	**6.4**	**0.031**	**0.033**	**0.062**	**0.28**	<0.01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/14/2004	**AS-4 @ 5'**	*5*	**370**	**2.7**	**24**	**7.2**	**44**	**85**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/14/2004	**AS-5 @ 5'**	*5*	**3400**	**16**	**160**	**90**	**510**	**11**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-1 @ 4'**	*4*	**390**	**2.2**	**15**	**8.9**	**46**	<0.01	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-2 @ 5'**	*5*	**590**	**4.5**	**29**	**14**	**73**	**1.3**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-3 @ 5'**	*5*	**32**	**0.84**	**1.1**	**0.82**	**4.4**	**18**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-4 @ 5'**	*5*	**52**	**0.28**	**1.6**	**1.2**	**6.3**	**0.99**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-5 @ 6'**	*6*	**83**	**2.2**	**9.5**	**1.7**	**10**	**59**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-6 @ 6'**	*6*	**390**	**1.6**	**14**	**9.8**	**56**	**5.3**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-7 @ 5'**	*5*	**500**	**1.5**	**20**	**9.9**	**57**	**43**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
1/13/2004	**VE-8 @ 5'**	*5*	**170**	**0.39**	**2.4**	**3.0**	**17**	**6.2**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

Soil Historical Soil Analytical Results

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	Sample ID	Sample Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Parts Per Million											
1/13/2004	VE-9 @ 5'	5	200	0.43	2.4	4.5	22	5.5	NA	NA	NA	NA	NA	NA
1/13/2004	VE-10 @ 5'	5	26	0.13	0.11	0.42	2.0	8.7	NA	NA	NA	NA	NA	NA
1/14/2004	VE-11 @ 5'	5	270	1.3	0.67	6.9	35	20	NA	NA	NA	NA	NA	NA
1/14/2004	VE-12 @ 5'	5	270	2.1	16	6.1	36	33	NA	NA	NA	NA	NA	NA
1/14/2004	VE-13 @ 5'	5	410	2.7	22	9.2	53	47	NA	NA	NA	NA	NA	NA
1/12/2004	EX-1 @ 3'	3	230	2.2	13	5.5	27	4.6	NA	NA	NA	NA	NA	NA
1/12/2004	MW-1R @ 5'	5	4.3	0.060	0.20	0.14	0.68	<0.01	NA	NA	NA	NA	NA	NA
3/27/2007	S-1 @ 6.5 fbg	6.5	20	ND	3	ND	2	5	ND	ND	ND	730	ND	ND
3/27/2007	S-2 @ 6.5 fbg	6.5	0.4	ND	3	ND	ND	7	ND	ND	ND	200	ND	ND
3/27/2007	S-3 @ 6.5 fbg	6.5	30	ND	15	7	8	20	ND	ND	ND	400	ND	ND
3/27/2007	S-4 @ 6.5 fbg	6.5	0.4	ND	5	1	5	3	ND	ND	ND	260	ND	ND
8/11/2007	DP-1 @ 6	6	1,200	3.7 J	17	20	99	<12	<0.15	<0.15	<0.15	<2.9	<0.15	<0.15
8/11/2007	DP-1 @ 10.5	10.5	0.4 J	0.006 J	0.01 J	0.007 J	0.03 J	0.013	<0.001	<0.001	<0.001	2.10	<0.001	<0.01
8/11/2007	DP-1 @ 14	14	1.5	<0.006	0.01 J	0.01 J	0.05 J	1.2	<0.001	<0.001	0.12	3.7 J	<0.001	<0.001
8/11/2007	DP-2 @ 5	5	530	2.6	2.9	13	66	1.3	<0.160	<0.160	<0.160	<3.3	<0.160	<0.160

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	Sample ID	*Sample Depth*	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
			Parts Per Million											
8/11/2007	**DP-2 @ 8.5**	*8.5*	**680**	<5.0	***3.2 J***	**14**	**65**	**1.1**	<0.160	<0.160	<0.160	<3.1	<0.160	<0.160
8/11/2007	**DP-2 @ 15.5**	*15.5*	**2.4**	<0.006	<0.006	<0.006	<0.02	**1.7**	<0.006	<0.006	**0.190**	**0.83**	<0.006	<0.006
8/11/2007	**DP-3 @ 5**	*5*	**130**	***0.1 J***	**1**	**1.5**	**8.7**	<0.073	<0.150	<0.150	<0.150	<2.9	<0.150	<0.150
8/11/2007	**DP-3 @ 8**	*8*	**880**	**1.7**	**14**	**14**	**63**	*<0.075*	<0.150	<0.150	<0.150	<3.0	<0.150	<0.150
8/11/2007	**DP-3 @ 12**	*12*	**19**	**0.1**	**2.2**	**0.8**	**3.7**	*0.018 J*	<0.006	<0.006	<0.006	<0.120	<0.006	<0.006
8/11/2007	**DP-3 @ 16**	*16*	***0.8 J***	***0.01 J***	**0.1**	***0.02 J***	**0.07**	*0.006 J*	<0.001	<0.001	<0.001	<0.024	<0.001	<0.001

- "J" flag indicates a laboratory estimated value

7.2 Groundwater

Groundwater Analytical Results

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	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
MW-1														
November 7, 1999	**5,700**	**170**	**59**	**22**	**85**	**20,000**	NA	NA	NA	NA	NA	NA	NA	NA
March 8, 2001	**17,000**	**480**	**150**	**52**	**170**	**38,000**	NA	NA	NA	NA	NA	NA	NA	NA
November 17, 2001	**10,000**	**230**	**210**	**60**	**250**	**22,000**	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	**12,000**	**61**	ND	ND	**29**	**35,000**	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	**19,000**	ND	ND	ND	ND	**50,000**	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	**22,000**	**150**	ND	ND	ND	**66,000**	NA	NA	NA	NA	NA	NA	NA	NA
MW-1R														
November 17, 2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	**1,800**	**95**	**130**	**44**	**200**	**220**	NA	NA	NA	NA	NA	NA	NA	NA
May 24-25, 2004	**210**	**12**	**10**	**5.4**	**23**	**79**	ND	ND	**2.1**	**37**	ND	ND	ND	ND
September 3, 2004	**300**	**1.5**	**7.1**	**9.4**	**42**	**81**	ND	ND	**1.6**	ND	ND	ND	ND	ND
November 2, 2004	**290**	**14**	**30**	**9.5**	**45**	**45**	ND	ND	**1.1**	ND	NA	NA	ND	ND
February 17, 2005	**530**	**3.4**	ND	ND	**2.6**	**1000**	ND	ND	**100**	ND	NA	NA	ND	ND
May 24 & 26, 2005	NA	NA	NA	NA	NA	NA	ND	ND	**610**	ND	ND	ND	NA	NA
August 15 & 17, 2005	**2,500**	**64**	**240**	**61**	**210**	**2,300**	ND	ND	**210**	ND	ND	ND	NA	NA
November 17, 2005	**2,500**	**66**	**290**	**75**	**290**	**1,300**	ND	ND	**110**	**1,600**	ND	ND	NA	NA
February 8, 2006	**3,300**	**100**	**310**	**86**	**470**	**1,400**	ND	ND	**130**	**1,400**	ND	ND	NA	NA
May 5, 2006	**3,400**	**170**	**350**	**97**	**550**	**1,100**	ND	ND	**100**	**2,400**	ND	ND	NA	NA
August 18, 2006	**5,800**	**190**	**1,000**	**230**	**1,000**	**490**	ND	ND	**36**	**2,900**	ND	ND	NA	NA
December 1, 2006	**410**	**1.7**	**6.3**	**1.2**	**47**	**100**	ND	ND	**4.7**	**100**	ND	ND	NA	NA
February 23, 2007	ND	ND	**0.51**	ND	**1.4**	**2.6**	ND	ND	ND	ND	ND	ND	NA	NA
May 10, 2007	ND	ND	ND	ND	**2.0**	**5.9**	ND	ND	ND	ND	ND	ND	NA	NA
August 16, 2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA

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	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
November 8, 2007	**1,300**	**11**	**82**	**54**	**270**	**1.4**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
February 14, 2008	**800**	**7.6**	**31**	**23**	**150**	**1.7**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
MW-2														
November 7, 1999	**6,000**	**1,300**	**92**	**50**	**400**	**6,800**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
March 8, 2001	**41,000**	**8,100**	**870**	**2,000**	**4,100**	**26,000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
November 17, 2001	**18,000**	**3,700**	**180**	**610**	**640**	**16000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
March 31, 2002	**32,000**	**6,500**	**270**	**1700**	**2700**	**19000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
September 9, 2003	**24,000**	**4600**	ND	**1200**	**440**	**19000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
December 9, 2003	**31000**	**6200**	**170**	**1600**	**2700**	**19000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 19-20, 2004	**21,000**	**4,600**	**120**	**970**	**2,000**	**15,000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 24-25, 2004	**1,200**	**120**	**3**	**63**	**67**	**1,900**	ND	ND	ND	ND	ND	ND	ND	ND
September 3, 2004	**2,300**	**120**	ND	**51**	**70**	**1,700**	ND	ND	**26**	ND	ND	ND	ND	ND
November 2, 2004	**530**	**35**	ND	**17**	**30**	**520**	ND	ND	**28**	**100**	*NA*	*NA*	ND	ND
February 17, 2005	**18,000**	**2,100**	**31**	**800**	**680**	**20,000**	ND	ND	**1,000**	ND	*NA*	*NA*	ND	ND
May 24 & 26, 2005	**22,000**	**3,200**	**52**	**1,400**	**1,700**	**16,000**	ND	ND	NS	NS	ND	ND	NS	NS
August 15 & 17, 2005	**2,000**	**66**	ND	**46**	**47**	**2,400**	ND	ND	**95**	**880**	ND	ND	*NA*	*NA*
November 17, 2005	**760**	**19**	**0.64**	**15**	**13**	**1000**	ND	ND	**26**	**810**	ND	ND	*NA*	*NA*
February 8, 2006	**10,000**	**1,500**	**8**	**660**	**380**	**4,300**	ND	ND	**120**	**2,800**	ND	ND	*NA*	*NA*
May 5, 2006	**15,000**	**1,800**	**ND**	**1,200**	**1,200**	**5,800**	ND	ND	**150**	**4,300**	ND	ND	*NA*	*NA*
August 18, 2006	**360**	**11**	**ND**	**13**	**9.7**	**160**	ND	ND	**4.6**	**600**	ND	ND	*NA*	*NA*
December 1, 2006	**11,000**	**1,000**	ND	**990**	**910**	**2,100**	ND	ND	**87**	**2,000**	ND	ND	*NA*	*NA*
February 23, 2007	**3,200**	**210**	ND	**270**	**85**	**900**	ND	ND	**33**	**1,400**	ND	ND	*NA*	*NA*
May 10, 2007	**590**	**31**	ND	**39**	**22**	**200**	ND	ND	**5.9**	**250**	ND	ND	*NA*	*NA*
August 16, 2007	**650**	**49**	ND	**71**	**49**	**100**	ND	ND	**3.5**	**82**	ND	ND	*NA*	*NA*
November 8, 2007	**110**	**1.6**	ND	**1.9**	**1.6**	**23**	ND	ND	**0.64**	**48**	ND	ND	*NA*	*NA*
February 14, 2008	**350**	**24**	ND	**12**	**5.9**	**190**	ND	ND	**7.7**	**320**	ND	ND	*NA*	*NA*
MW-3														
November 7, 1999	**43,000**	**860**	**70**	ND	**65**	**120,000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*

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	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
March 8, 2001	90,000	1800	ND	ND	ND	210,000	NA	NA	NA	NA	NA	NA	NA	NA
November 17, 2001	110,000	1600	ND	ND	ND	300,000	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	130,000	2400	670	300	390	300,000	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	190000	1600	ND	ND	ND	420000	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	170000	2000	ND	ND	ND	4,500,000	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	86,000	1,800	630	ND	ND	160,000	NA	NA	NA	NA	NA	NA	NA	NA
May 24-25, 2004	120,000	2,200	ND	180	220	400,000	ND	ND	15,000	ND	ND	ND	ND	ND
September 3, 2004	180,000	2,000	ND	ND	ND	510,000	ND	ND	14,000	ND	ND	ND	ND	ND
November 2, 2004	150,000	1,700	ND	ND	ND	350,000	ND	ND	31,000	140,000	NA	NA	ND	ND
February 17, 2005	130,000	2,100	420	210	730	290,000	ND	ND	11,000	ND	NA	NA	ND	ND
May 24 & 26, 2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
August 15 & 17, 2005	110,000	1,500	ND	ND	ND	260,000	ND	ND	21,000	25,000	ND	ND	NA	NA
November 17, 2005	200,000	2,400	ND	ND	ND	580,000	ND	ND	24,000	49,000	ND	ND	NA	NA
February 8, 2006	470,000	3,800	660	ND	790	490,000	ND	ND	26,000	49,000	ND	ND	NA	NA
May 5, 2006	400,000	3,300	ND	ND	ND	590,000	ND	ND	21,000	86,000	ND	ND	NA	NA
August 18, 2006	310,000	1,800	ND	ND	ND	440,000	ND	ND	23,000	79,000	ND	ND	NA	NA
December 1, 2006	270,000	ND	ND	ND	ND	290,000	ND	ND	11,000	90,000	ND	ND	NA	NA
February 23, 2007	220,000	ND	ND	ND	ND	260,000	ND	ND	15,000	33,000	ND	ND	NA	NA
May 10, 2007	140,000	ND	ND	ND	ND	180,000	ND	ND	7,100	80,000	ND	ND	NA	NA
August 16, 2007	69,000*	ND	ND	ND	ND	85,000	ND	ND	3,400	180,000	ND	ND	NA	NA
November 8, 2007	34,000*	ND	ND	ND	ND	38,000	ND	ND	1,400	140,000	ND	ND	NA	NA
February 14, 2008	41000	ND	110	110	610.0	44,000	ND	ND	1,900	110,000	ND	ND	NA	NA
	*Gasoline value due to MTBE													
MW-4														
November 17, 2001	64,000	960	1400	360	1600	140,000	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	78,000	4,400	4,700	690	2,700	150,000	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 24-25, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
September 3, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 2, 2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 24 & 26, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 15 & 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
November 17, 2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 8, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 5, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
August 18, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
December 1, 2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
February 23, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
May 10, 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
September 6, 2007	**49,000**	**710**	**840**	ND	**10,000**	**3,600**	ND	ND	**510**	**32,000**	ND	ND	NA	NA
November 8, 2007	**64,000**	**1,300**	**2,600**	**1,000**	**8,500**	**1,500**	ND	ND	**360**	**14,000**	ND	ND	NA	NA
February 14, 2008	**60,000**	**390**	**460**	**230**	**2,000**	**52,000**	ND	ND	**2000**	**58,000**	ND	ND	NA	NA
MW-5														
November 17, 2001	**210**	**15**	**12**	**11**	**23**	**4.8**	NA	NA	NA	NA	NA	NA	NA	NA
March 31, 2002	**120**	**11**	**7.4**	**6.1**	**16**	**4.2**	NA	NA	NA	NA	NA	NA	NA	NA
September 9, 2003	ND	**1.5**	ND	ND	ND	**1.7**	NA	NA	NA	NA	NA	NA	NA	NA
December 9, 2003	**130**	**32**	ND	**2.6**	**0.57**	**5**	NA	NA	NA	NA	NA	NA	NA	NA
February 19-20, 2004	ND	ND	ND	ND	ND	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA
May 24-25, 2004	ND	ND	ND	ND	ND	**0.55**	ND	ND	ND	ND	ND	ND	ND	ND
September 3, 2004	**100**	**6.4**	ND	ND	**0.79**	**4.2**	ND	ND	ND	ND	ND	ND	ND	ND
November 2, 2004	ND	**2.6**	ND	**1.7**	**0.87**	**1**	ND	ND	ND	ND	ND	ND	ND	ND
February 17, 2005	**51**	**0.74**	ND	**0.94**	ND	**1.5**	ND	ND	ND	ND	ND	ND	ND	ND
May 24 & 26, 2005	ND	ND	ND	ND	ND	**1**	ND	ND	NA	NA	ND	ND	NA	NA
August 15 & 17, 2005	ND	ND	ND	ND	ND	**0.88**	ND	ND	ND	ND	ND	ND	NA	NA
November 17, 2005	**71**	**0.81**	ND	**1.1**	ND	**1.4**	ND	ND	ND	ND	ND	ND	NA	NA
February 8, 2006	**50**	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	NA	NA

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	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
May 5, 2006	ND	ND	ND	ND	ND	**0.93**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
August 18, 2006	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
December 1, 2006	ND	**0.69**	ND	ND	**0.52**	**0.97**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
February 23, 2007	**73**	ND	ND	ND	ND	**1.7**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
May 10, 2007	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
August 16, 2007	ND	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
November 8, 2007	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
February 14, 2008	ND	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
MW-6														
November 17, 2001	**3500**	**160**	**260**	**95**	**420**	**1500**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
March 31, 2002	**3200**	**410**	**170**	**82**	**280**	**3000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
September 9, 2003	**800**	**49**	ND	**7.4**	ND	**1700**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
December 9, 2003	**970**	**150**	**9.9**	**31**	**83**	**1200**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 19-20, 2004	**1,900**	**280**	**58**	**17**	**160**	**2,700**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 24-25, 2004	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
September 3, 2004	**1,100**	**27**	ND	**14**	**27**	**2,200**	ND	ND	**85**	ND	ND	ND	ND	ND
November 2, 2004	**1,800**	**32**	ND	**5**	**11**	**4,100**	ND	ND	**170**	**270**	ND	ND	ND	ND
February 17, 2005	**5,600**	**190**	34	**41**	**110**	**10,000**	ND	ND	**780**	**2,000**	ND	ND	ND	ND
May 24 & 26, 2005	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
August 15 & 17, 2005	**1,800**	**27**	ND	**6**	**23**	**3,800**	ND	ND	**300**	**3,500**	ND	ND	*NA*	*NA*
November 17, 2005	**1,100**	**30**	ND	**4**	**9**	**2,400**	ND	ND	**190**	**9,500**	ND	ND	*NA*	*NA*
February 8, 2006	**3,600**	**220**	**43**	**66**	**160**	**2,700**	ND	ND	**180**	**7,800**	ND	ND	*NA*	*NA*
May 5, 2006	**1,600**	**130**	**21**	**37**	**65**	**1,400**	ND	ND	**53**	**3,100**	ND	ND	*NA*	*NA*
August 18, 2006	**270**	**27**	ND	**3**	**4**	**240**	ND	ND	**11**	**2,400**	ND	ND	*NA*	*NA*
December 1, 2006	**1,700**	ND	ND	ND	ND	**1,700**	ND	ND	**92**	**800**	ND	ND	*NA*	*NA*
February 23, 2007	ND	ND	ND	ND	ND	**15**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
May 10, 2007	ND	**3.0**	ND	ND	**1.9**	**26**	ND	ND	**2**	**48**	ND	ND	*NA*	*NA*
August 16, 2007	ND	ND	ND	ND	ND	**1.4**	ND	ND	ND	ND	ND	ND	*NA*	*NA*
November 8, 2007	ND	ND	ND	ND	ND	**5.3**	ND	ND	ND	ND	ND	ND	*NA*	*NA*

Groundwater Analytical Results

Alaska Gasoline

6211 San Pablo Avenue

Oakland, California

	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB	Methanol	Ethanol
February 14, 2008	ND	ND	ND	ND	ND	**11**	ND	ND	**0.94**	**220**	ND	ND	*NA*	*NA*
EX-1														
February 19-20, 2004	**120,000**	**9,500**	**4,300**	**840**	**3,900**	**150,000**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 24-25, 2004	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
September 3, 2004	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
November 2, 2004	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 17, 2005	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 24 & 26, 2005	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	ND	ND	NS	NS	NS	NS	NS	NS
August 15 & 17, 2005	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
November 17, 2005	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 8, 2006	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 5, 2006	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
August 18, 2006	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
December 1, 2006	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 23, 2007	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
May 10, 2007	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
August 16, 2007	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
November 8, 2007	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
February 14, 2008	**84,000**	**2,300**	**4,900**	**1,800**	**14,000**	**3,900**	ND	ND	**610**	**10,000**	ND	ND	*NA*	*NA*

Method Notes

TPHg - Total Petroleum Hydrocarbons as Gasoline by EPA Method 8015M

Benzene - by EPA Method 8020

Toluene - by EPA Method 8020

Ethylbenzene - by EPA Method 8020

Xylenes - by EPA Method 8020

MTBE - Methyl tertiary butyl ether by EPA Method 8020

ETBE - Ethyl tertiary butyl ether by EPA Method 8260B

DIPE - Di-isopropyl ether by EPA Method 8260B

TAME - tertiary amyl methyl ether by EPA Method 8260B

TBA - tertiary butanol by EPA Method 8260B

1,2-DCA - 1,2 - dichloroethane by EPA Method 8260B

EDB - Ethylene dibromide by EPA Method 8260B

Methanol by EPA Method 8260B

Ethanol by EPA Method 8260B

Other Groundwater Sample Data

		TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	ETBE	TAME	TBA	1,2-DCA	EDB
4/16/1999	B-1, GW	99,000	10,000	4,300	3,100	11,000	48,000						

Sample Data from Direct Push Work on 8-11-07 (DP-1, DP-2, and DP-3)

		5126116		5126117		5126118	
Analysis Name	Units	GW-2 Gra		GW-1 Gra		GW-3 Gra	
		Result	MDL	Result	MDL	Result	MDL
Benzene	ug/l	64.	1.0	190.	1.0	1,000.	20.
Toluene	ug/l	24.	1.0	410.	1.0	10,000.	20.
Ethylbenzene	ug/l	72.	1.0	200.	1.0	2,500.	20.
Total Xylenes	ug/l	300.	3.0	910.	3.0	11,000.	60.
Methyl tert-Butyl Ether	ug/l	38,000.	30.	24,000.	30.	150.	30.
TPH-GRO	ug/l	47,000.	2,000.	31,000.	2,000.	59,000.	2,000.
Methyl Tertiary Butyl Ether	ug/l	40,000.	50.	32,000.	50.	74.	10.
di-Isopropyl ether	ug/l	N.D.	5.	N.D.	5.	N.D.	10.
Ethyl t-butyl ether	ug/l	N.D.	5.	N.D.	5.	N.D.	10.
t-Amyl methyl ether	ug/l	1,300.	5.	1,600.	5.	N.D.	10.
t-Butyl alcohol	ug/l	78,000.	200.	32,000.	200.	48. J	40.
1,2-Dichloroethane	ug/l	N.D.	5.	N.D.	5.	N.D.	10.
1,2-Dibromoethane	ug/l	N.D.	5.	N.D.	5.	N.D.	10.

7.3 Soil Vapor

Soil Vapor data below is representative data taken from monitoring of the soil vapor extraction system onsite.

Soil Vapor Extraction System Field Monitoring Data – Thermal Mode
Alaska Gasoline
6211 San Pablo Avenue
Oakland, California

	Hour Meter	Hours of Operation	Influent (ppmV)	Effluent (ppmV)	Air Flow (cfm)	Destruction Efficiency (%)	Effluent Release (lbs/day)	VOCs Removed (lbs/day)	Total VOCs Removed (lbs)	Percent Operating
8/31/2006	0									
9/11/2006	126	126	3300	0	76.5	100.00	0.00	92.86	487.54	48
10/19/2006	1037	911	0	0	37	100.00	0.00	0.00	0.00	100
10/27/2006	1222	185	530	0	16	100.00	0.00	3.12	24.05	96
12/7/2006	2182.8	960.8	287.8	0.23	43	99.92	0.00	4.55	182.24	100
12/20/2006	2491.4	308.6	143.2	0.082	46	99.94	0.00	2.42	31.16	99
1/8/2007	2869	377.6	4.4	0	58	100	0.00	0.09	1.48	87
								TOTAL VOCs REMOVED (LBS)	726.46	
								EQUIVELANT GALLONS OF GASOLINE REMOVED	117.55	

Soil Vapor Extraction System Field Monitoring Data – Catalytic Mode

Alaska Gasoline

6211 San Pablo Avenue
Oakland, California

Date	Hour Meter	Hours of Operation	Influent (ppm)	Effluent (ppm)	Air Flow (cfm)	Destruction Efficiency (%)	Effluent Release (lbs/day)	VOCs Removed (lbs/day)	Total VOCs Removed (lbs)	Percent Operating
2/21/07	3420.4	0	6.1	0	30.8	100.00	0.000	0.069112	0.000000	0
2/21/07	3421.4	1	0.7	0		100.00	0.000	0.000000	0.000000	100
2/22/07	3445.8	24.4	0.5	0	21.3	100.00	0.000	0.003918	0.003983	102
2/27/07	3563.5	117.7	1.6	0.15	40.5	90.63	0.002	0.023837	0.116899	98
3/21/07	4092.9	529.4	0.3	0	44.2	100.00	0.000	0.004878	0.107594	92
3/29/07	4283.8	190.9	0.4	0	35.2	100	0.000	0.005179	0.041197	99
4/30/07	5046.6	762.8	0.4	0	35.2	100	0.000	0.005179	0.164617	103
	***System shutdown 4/30/07 for DPE Test									
	***System restarted 5/25/07, System hours for 5/25 back calculated from 5/29									
5/25/07	5056.2									
5/29/07	5152.2	96	220	0.5	55	99.77	0.010	4.450990	17.803963	100
6/08/07	5392.4	240.2	132	0	79	100.00	0.000	3.835945	38.391413	111
6/18/07	5635.6	243.2	210	0.62	73	99.70	0.017	5.639148	57.143363	101
7/13/07*	6230.9	43.6	80.5	0	88.5	100.00	0.000	2.620658	4.760863	91
7/19/07	6372.3	141.4	91	0	90.5	100.00	0.000	3.029432	17.848407	98
8/08/07	6861.9	489.6	35	0	120	100.00	0.000	1.544972	31.517428	107
8/13/07	6998.3	136.4	30.6	0	121	100.00	0.000	1.362003	7.740718	114
9/06/07	7552.0	553.7	33	0	130	100.00	0.000	1.578079	36.40759	100
9/28/07	8083.1	531.1	0	0	93	n/a	0.000	0.0000	0.0000000	101
10/16/07	8515.0	431.9	0	0	80	100.00	0.000	0.0000	0.0000000	100
10/24/07	8707.2	192.2	0	0	89	100.00	0.000	0.0000	0.0000000	100
10/29/07	8825.1	117.9	0	0	105	100.00	0.000	0.0000	0.0000000	98
11/8/07	9062.8	237.7	0	0	114	100.00	0.000	0.0000	0.0000000	110
11/19/07**	9329.3	266.5	7	0	75	100.00	0.000	0.193122	2.144453	101
								TOTAL VOCs REMOVED (LBS)	214.19	
								EQUIVELANT GALLONS OF GASOLINE REMOVED	34.66	

8.0 – Remedial Activities

8.1 Excavation

Review of historical documents reveals that approximately 1100 cubic yards of impacted soil were removed and disposed of during excavation and over-excavation efforts. Approximately 900 cubic yards were removed from the UST tank pit excavation and over-excavation. The depth of the tank pit excavation was logged at roughly 15 feet below grade by HerSchy staff. Approximately 200 cubic yards were removed from beneath product lines and dispenser islands. Three 20,000-gallon Baker Tanks were also utilized during excavation and over-excavation as a means to hold de-watered groundwater. Based on field data, it appears somewhere between 40,000 - 60,000-gallons of impacted groundwater were extracted, treated, and discharged to city sewer.

8.2 Soil Vapor Extraction

Approximately 940.65 lbs of product or the equivalent of 152.21 gallons of product (as gasoline) have been removed through the operation of the soil vapor extraction system (SVES) in both thermal and catalytic modes. The SVES, in thermal mode, operated from August 31, 2006 to January 30, 2007 and removed approximately 726.46 lbs or the equivalent of 117.55 gallons of product. The SVES, in catalytic mode, operated from February 21, 2007 to November 19, 2007 and removed approximately 214.19 lbs or the equivalent of 34.66 gallons of product. The average destruction efficiency has been above 99% during SVES operations in both thermal and catalytic modes.

During operational times, several continuing and sometimes compounding issues were encountered. At times, when influent vapor concentrations dropped significantly, the system was modified to pull from the subsurface at a higher vacuum. The higher vacuum often resulted in water production issues and/or “drowned screen” conditions, which effectively blocked mobilization of vapor-phase subsurface contamination. Conversely, if system vacuum levels were decreased in order to stem the production of water or relieve water mounding, it often led to conditions where the radius of influence from vapor extraction wells was greatly diminished.

8.3 Dual Phase Extraction Pilot Test

Approximately 8,500 gallons of groundwater were removed over the course of 17 hours of testing. It was calculated that roughly 104.19 lbs of product or the equivalent of 16.86 gallons of product as TPHg were removed. The measured radius-of-influence for the test was estimated to be between 100 to 130 feet from extraction wells.

8.4 Free Product Removal

Approximately 8-gallons of free product have been removed from EX-1 by hand utilizing disposable bailers. The total amount of product removed from EX-1 via product socks is 262 ounces (16.375 lbs) or the equivalent of 2.65 gallons of product as TPHg. The time in which free product is fully recharged within the wells is not known; however, several months have been required in past instances before a marginal amount of free product entered the wells.

8.5 Product Skimmer

Approximately 3 gallons of free product were removed during a product skimmer test. Product recharge was found insufficient for continuous use of a dedicated skimmer.

9.0 – Other

Regulatory Body
Alameda County - Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Ste. 250
Alameda, California 94502-6577

Previous Regulator
Mr. Don Hwang
- Case inception to Mid 2003(?)

Mr. Barney Chan
- Mid 2003 (?) to roughly August 2007

Mr. Jerry Wickham (Interim regulator)

Ms. Donna Drogos

Current Regulator (as of March 2007)
Mr. Paresh Khatri

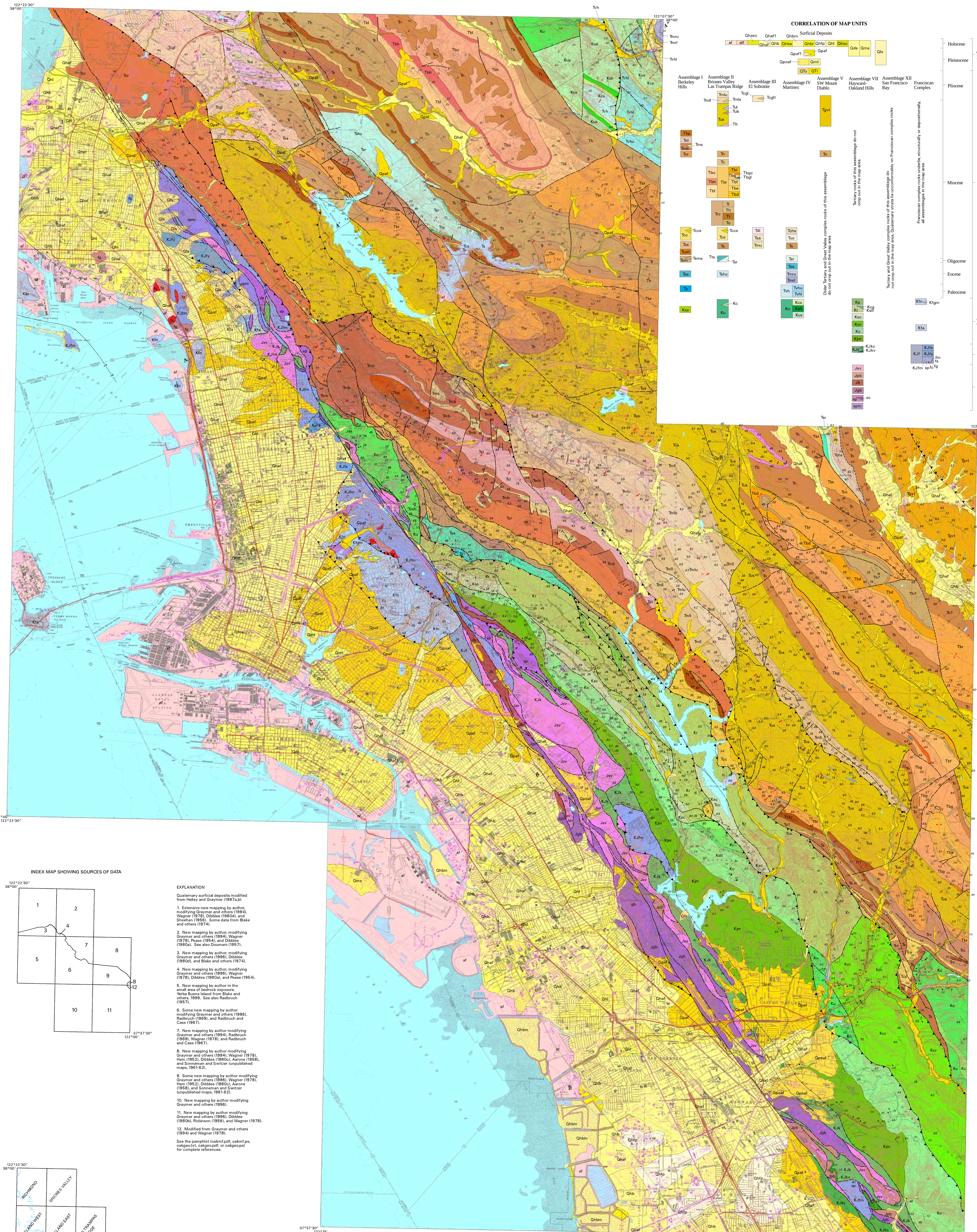
Oakland, California

APPENDIX A

Geologic Map & Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MF- 2342, Version 1.0
Pamphlet accompanies map



CORRELATION OF MAP UNITS

LIST OF MAP UNITS

Surficial Deposits

af	Artificial fill (Historic)
alf	Artificial levee fill (Historic)
Qhasc	Artificial stream channels (Historic)
Qhaf1	Younger alluvial fan deposits (Holocene)
Qhaf	Alluvial fan and fluvial deposits (Holocene)
Qhb	Basin deposits (Holocene)
Qhbs	Basin deposits, salt affected (Holocene)
Qhbm	Bay mud (Holocene)
Qhbr	Beach ridge deposits (Holocene)
Qhfp	Floodplain deposits (Holocene)
Qhl	Natural levee deposits (Holocene)
Qhsc	Stream channel deposits (Holocene)
Qds	Dune sand (Holocene and Pleistocene)
Qms	Merrit sand (Holocene and Pleistocene)
Qls	Landslide deposits (Holocene and/or Pleistocene)
Qpaf	Alluvial fan and fluvial deposits (Pleistocene)
Qpaf1	Alluvial terrace deposits (Pleistocene)
Qmt	Marine terrace deposits (Pleistocene)
Qpoaf	Older alluvial fan deposits (Pleistocene)
QTi	Irvington Gravels of Savage (1951) (Pleistocene and Pliocene (?))
QTu	Undifferentiated continental gravels (Pleistocene and/or Pliocene)

Assemblage I

Tbp	Bald Peak Basalt (late Miocene)
Tst	Siesta Formation (late Miocene)
Tmb	Moraga Formation (late Miocene)
Tms	Interflow sedimentary rocks
Tor	Orinda Formation (late Miocene)
Tcc	Claremont chert (late to middle Miocene)
Tccs	Interbedded sandstone
Tss	Unamed sandstone (Miocene (?))
Tush	Unnamed gray mudstone (early Miocene)
Tsm	Unnamed glauconitic mudstone (Miocene and Oligocene (?))
Tsms	Interbedded sandstone
Tes	Unnamed mudstone (Eocene)
Ta	Unnamed glauconitic sandstone (Paleocene)

Great Valley Complex

Kss	Unnamed lithic sandstone (Cretaceous)

Assemblage II

	Mullholland Formation of Ham (1952) (Pliocene and late Miocene)
Tmlu	Upper member
Tmll	Lower member
Tmls	Sandstone marker beds
Tus	Unnamed sedimentary and volcanic rocks (late Miocene)
Tub	Interbedded basalt
Tul	Interbedded limestone
Tlt	Lafayette Tuff (late Miocene)
Tn	Neroly Sandstone (late Miocene)
Tc	Cierbo Sandstone (late Miocene)
Tbr	Briones Formation (late and middle Miocene)
	In southern part of the assemblage, locally divided into:
Tbi	I member of Wagner (1978)
Tbg	G member of Wagner (1978)
Tbgc	Conglomerate
Tbgl	Limestone
Tbf	F member of Wagner (1978)
Tbe	E member of Wagner (1978)
Tbd	D member of Wagner (1978)
	In northern part of the assemblage, locally divided into:
Tbu	Upper sandstone and shale member
Tbh	Hercules shale member
Tbl	Lower sandstone and siltstone member
Tro	Rodeo Shale, Hambre Sandstone, Tice Shale, and Oursan Sandstone, undivided (middle Miocene)
Tr	Rodeo Shale (middle Miocene)
Th	Hambre Sandstone (middle Miocene)
Tt	Tice Shale (middle Miocene)
To	Oursan Sandstone (middle Miocene)
Tcs	Claremont Shale (middle Miocene)
Tccs	Sandstone interbeds
Ts	Sobrante Sandstone (middle Miocene)
Tts	Tuffaceous sandstone (Miocene and/or Oligocene)
Tsr	San Ramon Sandstone (Miocene and/or Oligocene)
Tshc	Shale and claystone (Eocene)

Great Valley Complex

Ku	Unnamed sedimentary rocks (Late Cretaceous, Turonian and Cenomanion)
Kc	Conglomerate

Assemblage III

Tcgl	Conglomerate, sandstone, and siltstone (Pliocene and Miocene)
Tcglt	Rhyolite tuff and tuff breccia
Tdi	Diatomite (Miocene)
Tsa	Sandstone (Miocene)
Tmu	Mudstone, shale, siltstone (Miocene)

Assemblage IV

Tchs	Unnamed shale (Miocene)
Tuc	Unnamed conglomerate (Miocene)
Ts	Sobrante Sandstone (Miocene)
Tsr	San Ramon Sandstone (Miocene and/or Oligocene)
Tes	Escobar Sandstone of Weaver (1953) (Eocene)
	Muir Sandstone of Weaver (1953), (Eocene)
Tmru	Upper member
Tmrl	Lower member
Tvh	Vine Hill Sandstone of Weaver (1953) (Paleocene)
Tvhu	Upper member
Tvhl	Lower member

Great Valley Complex

Ku	Undivided Great Valley complex rocks (Cretaceous)
Kcs	Gray massive quartz arenite
Ksh	Siltstone and shale
Kus	Sandstone, siltstone, and shale

Assemblage V

Tgvt	Green Valley and Tassajara Formations of Conduit (1938), undivided (Pliocene and Miocene)
Tn	Neroly Sandstone (Miocene)

Assemblage VII

Great Valley Complex

Kp	Pinehurst Shale (Late Cretaceous, Campanian)
Kr	Redwood Canyon Formation (Late Cretaceous, Campanian)
Ksc	Shephard Creek Formation (Late Cretaceous, Campanian)
Kcv	Unnamed sandstone, conglomerate, and shale of the Castro Valley area (Late Cretaceous, Turonian and younger (?))
Ko	Oakland Conglomerate (Late Cretaceous, Turonian and/or Cenomanian)
Kcg	Conglomerate
Kslt	Siltstone
Kjm	Joaquin Miller Formation (Late Cretaceous, Cenomanian)
KJk	Knoxville Formation (Early Cretaceous and Late Jurassic)
KJkc	Conglomerate
KJkv	Volcanoclastic breccia
Jsv	Keratophyre and quartz keratophyre (Late Jurassic)

Coast Range ophiolite (Jurassic)

Jpb	Pillow basalt, basalt breccia, and minor diabase
Jb	Massive basalt and diabase
Jgb	Gabbro
sp	Serpentinite
sc	Silica-carbonate rock
spm	Serpentinite matrix mélange

Franciscan Complex

KJf	Undivided Franciscan complex rocks (Cretaceous and Jurassic)
Kfn	Sandstone of the Novato Quarry terrane of Blake and others (1984) (Late Cretaceous)
Kfgm	Fine-grained quartz diorite (Late Cretaceous (?))
Kfa	Sandstone of the Alcatraz terrane of Blake and others (1984)(Cretaceous)
KJfy	Metasandstone of the Yolla Bolly terrane of Blake and others (1984) (Cretaceous(?) and Late Jurassic)
KJfs	Franciscan complex sandstone, undivided (Late Cretaceous to Late Jurassic)
KJfm	Franciscan complex, mélange (Cretaceous Late Jurassic), includes mapped locally:
fs	Graywacke and meta-graywacke blocks
fc	Serpentinite blocks
sp	Chert blocks
fg	Greenstone blocks
fm	Schist blocks

Contact-- Depositional or intrusive contact, dashed where approximately located, dotted where concealed

Fault-- Dashed where approximately located, small dashes where inferred, dotted where concealed, queried where location is uncertain.

Reverse or thrust fault-- Dashed where approximately located, dotted where concealed

Normal fault-- Dashed where approximately located, dotted where concealed

Anticline-- Shows fold axis, dashed where approximately located, dotted where concealed

Syncline

35 Strike and dip of bedding

48 Strike and dip of bedding, top indicator observed

60 Strike and dip of bedding, approximate

83 Overturned bedding

79 Overturned bedding, top indicator observed

Horizontal bedding

Vertical bedding

Vertical bedding, top indicator observed

35 Strike and dip of foliation

Vertical foliation

35 Strike and dip of joints

INDEX MAP SHOWING SOURCES OF DATA

EXPLANATION

Quaternary surficial deposits modified from Helley and Graymer (1997a,b)

1. Extensive new mapping by author, modifying Graymer and others (1994), Wagner (1978), Dibblee (1980d), and Sheehan (1956). Some data from Blake and others (1974).

2. New mapping by author, modifying Graymer and others (1994), Wagner (1978), Pease (1954), and Dibblee (1980a). See also Doumani (1957).

3. New mapping by author, modifying Graymer and others (1996), Dibblee (1980d), and Blake and others (1974).

4. New mapping by author, modifying Graymer and others (1996), Wagner (1978), Dibblee (1980a), and Pease (1954).

5. New mapping by author in the small area of bedrock exposure. Yerba Buena Island from Blake and others, 1999. See also Radbruch (1957).

6. Some new mapping by author modifying Graymer and others (1996), Radbruch (1969), and Radbruch and Case (1967).

7. New mapping by author modifying Graymer and others (1994), Radbruch (1969), Wagner (1978), and Radbruch and Case (1967).

8. New mapping by author modifying Graymer and others (1994), Wagner (1978), Ham (1952), Dibblee (1980c), Aarons (1958), and Sonneman and Switzer (unpublished maps, 1961-62).

9. Some new mapping by author modifying Graymer and others (1996), Wagner (1978), Ham (1952), Dibblee (1980c), Aarons (1958), and Sonneman and Switzer (unpublished maps, 1961-62).

10. New mapping by author modifying Graymer and others (1996).

11. New mapping by author modifying Graymer and others (1996), Dibblee (1980b), Robinson (1956), and Wagner (1978).

12. Modified from Graymer and others (1994) and Wagner (1978).

See the pamphlet (oakmf.pdf, oakmf.ps, oakgeo.txt, oakgeo.pdf, or oakgeo.ps) for complete references.

INDEX MAP OF QUADRANGLES

Base derived from U.S. Geological Survey Digital Raster Graphic (DRG) files of Richmond (1980), Briones Valley (1968), Oakland West (1980), Oakland East (1980), Las Trampas Ridge (1980), San Leandro (1980), and Hayward (1980) 7.5 minute topographic quadrangles. DRG files available on the USGS Mapping Division San Francisco Bay area web-site: http://bard.wr.usgs.gov

Stateplane projection, California coordinate system, zone 3

MAP LOCATION

SCALE 1:50000

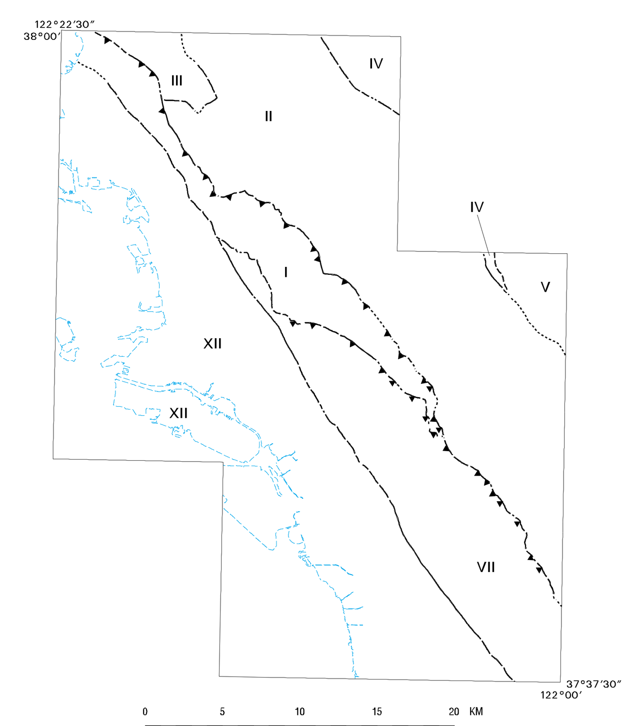
CONTOUR INTERVAL 50 METERS

APPROXIMATE MEAN DECLINATION, 1980

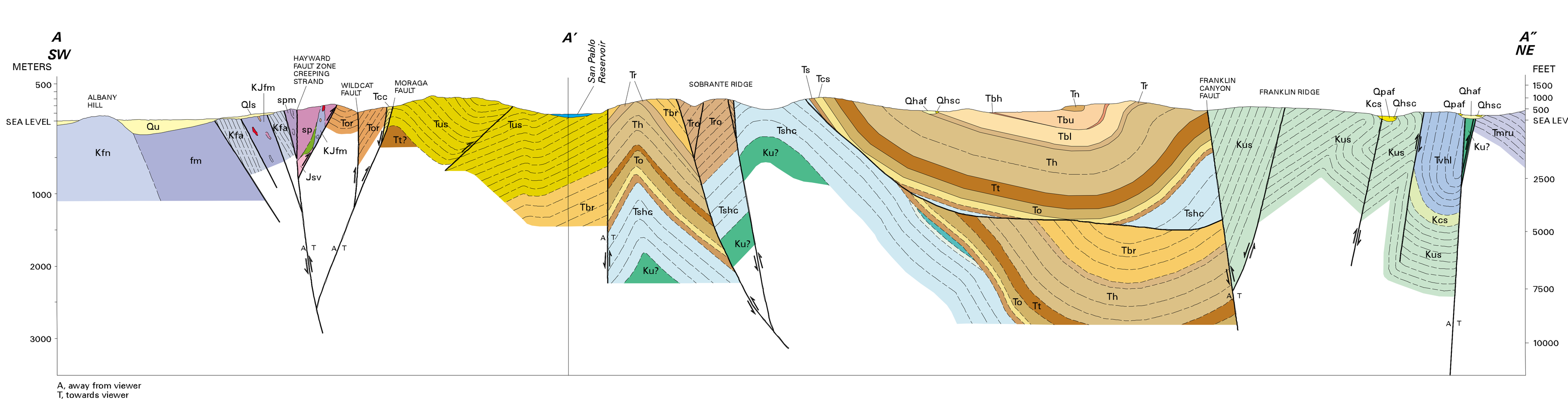
Digital Cartography by R.W. Graymer and R.E. Stamski, 1999-2000

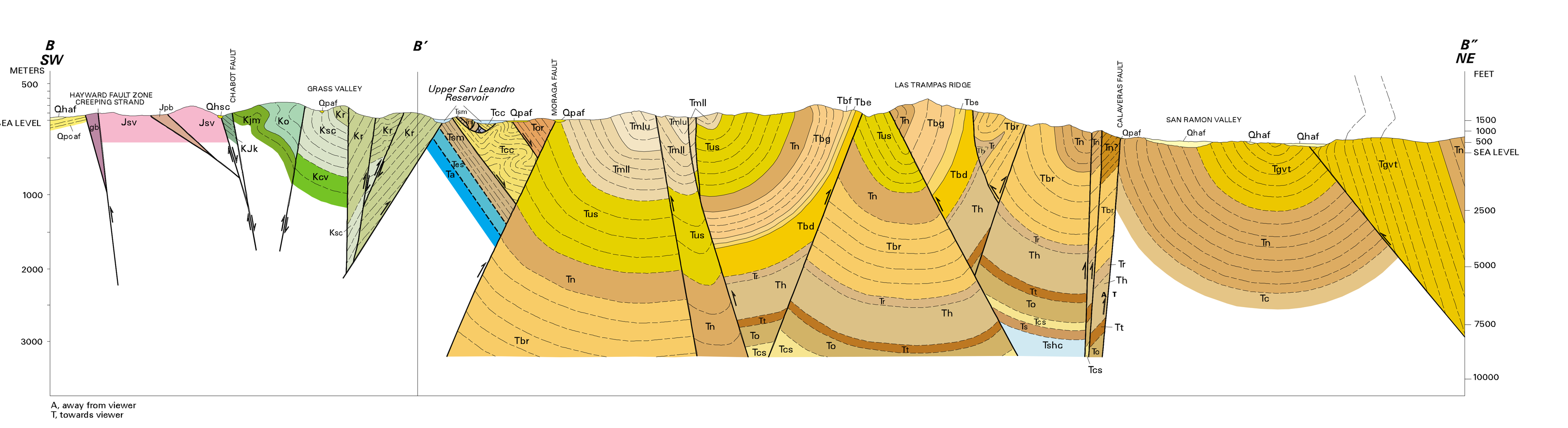
Edited by Jan Zigler

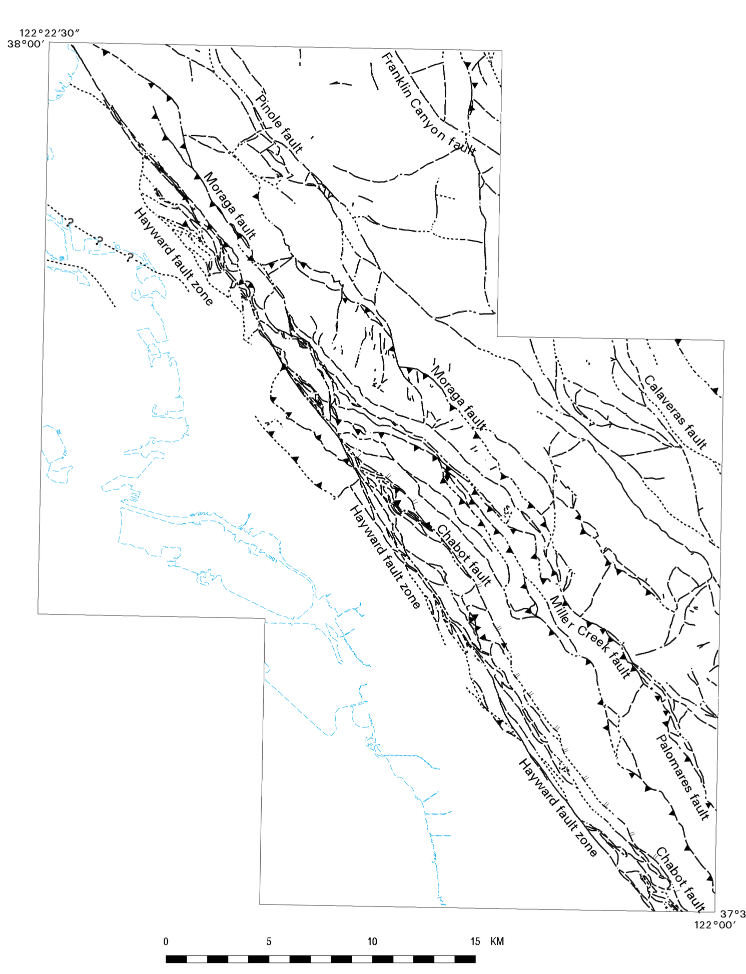
Manuscript approved for publication, June 21, 2000



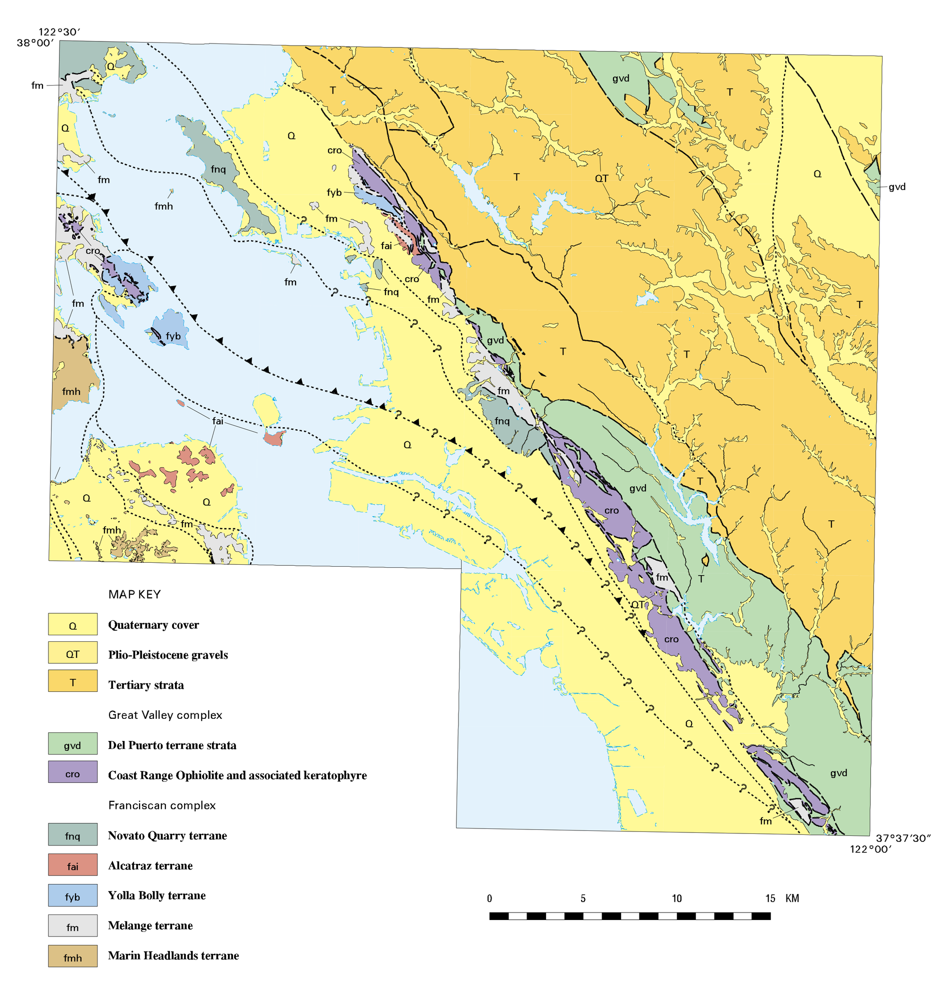
INDEX MAP OF ASSEMBLAGES
(Assemblages are defined and discussed in the accompanying pamphlet)







INDEX MAP OF FAULTS AND FAULT NAMES



INDEX MAP OF MESOZOIC TERRANES IN AND AROUND THE STUDY AREA
(Terranes are defined and discussed in the accompanying pamphlet. Also see Blake and others, 1999)

GEOLOGIC MAP AND MAP DATABASE OF THE OAKLAND METROPOLITAN AREA, ALAMEDA, CONTRA COSTA, AND SAN FRANCISCO COUNTIES, CALIFORNIA

By

R.W. Graymer

2000

Digital data and cartography prepared using Arc/Info 7.1.2 running under Solaris 2.6 on a UNIX workstation.

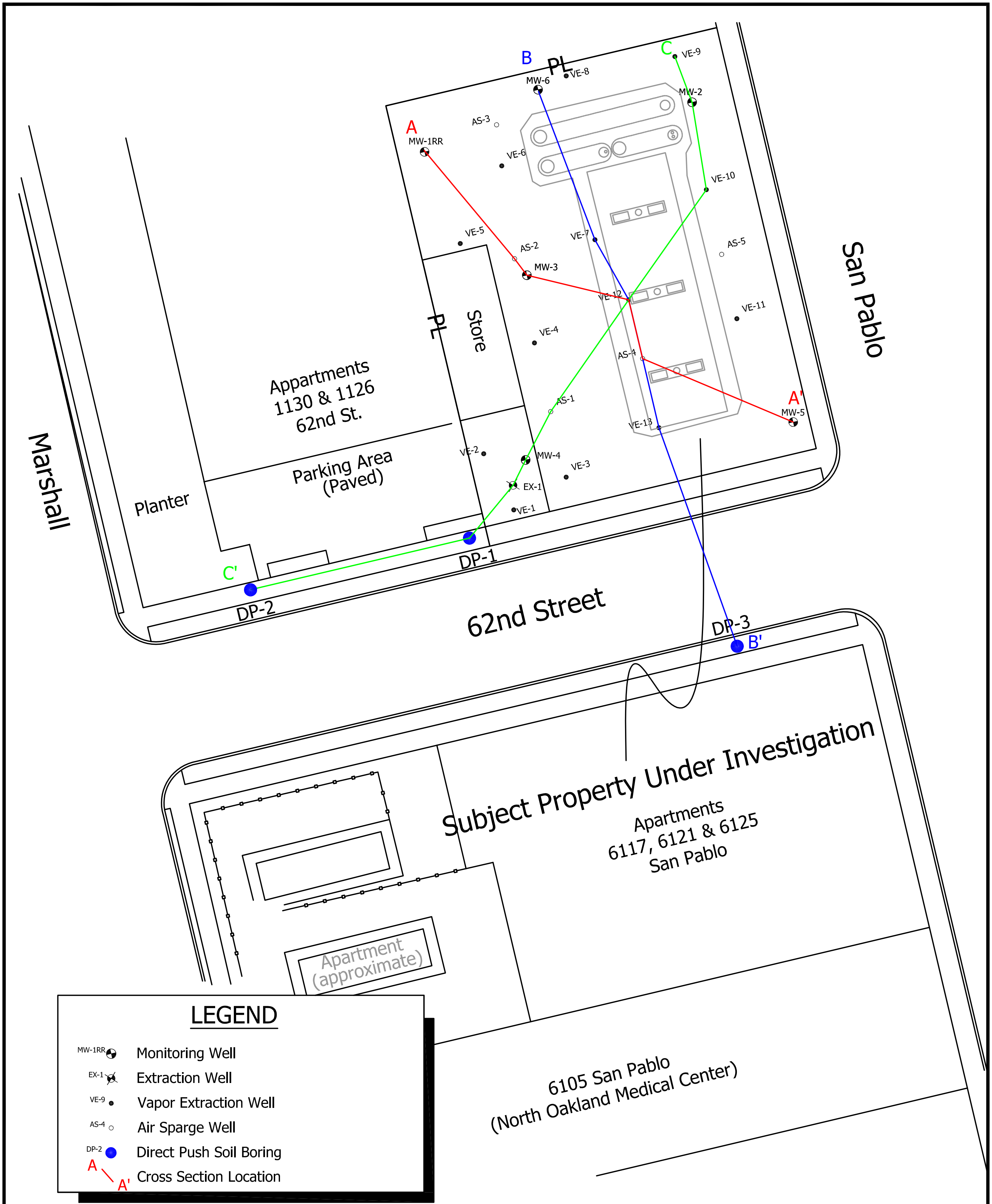
This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

For sale by U.S. Geological Survey, Map Distribution, Box 25286, Federal Center, Denver, CO 80225, 1-888-ASK-USGS

This publication also includes a digital geologic map (GIS) database. The data files, as well as digital versions of the map sheet and pamphlet, are available on the World Wide Web at: http://geopubs.wr.usgs.gov/map-mf/mf2342

APPENDIX B

Site Specific Cross Sections & Historical Site Maps



HerSchy Environmental, Inc.

Environmental Consulting and Remediation

P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

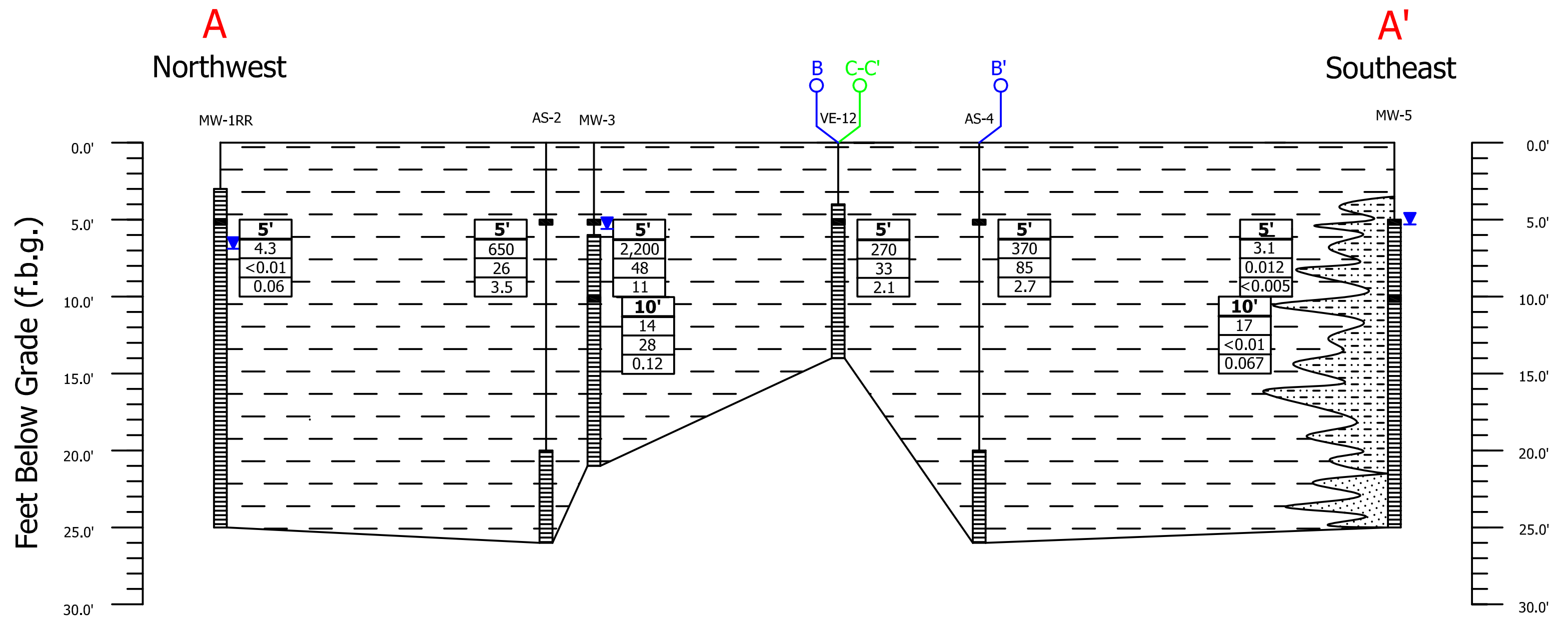
CROSS SECTION LOCATIONS

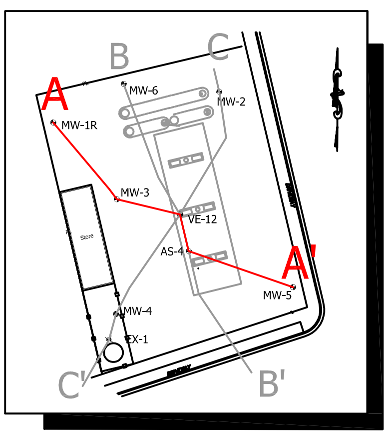
ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	June 2005
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE





LEGEND

MW-5

- Blank Interval
- Sampled Interval
- Screened Interval of Well

5'	Sample Depth (f.b.g.)
110	TPHg value (ppm)
9.4	MTBE value (ppm)
0.27	Benzene value (ppm)

Interpreted Lithologic Contact

February 2008 Groundwater Elevation data

CL	Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
CL & ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
SW	Well-graded sands and gravelly sands, little or no fines
SP	Poorly graded sands and gravelly sands, little or no fines

Vertical Exaggeration = 2X

Feet

0 20 40

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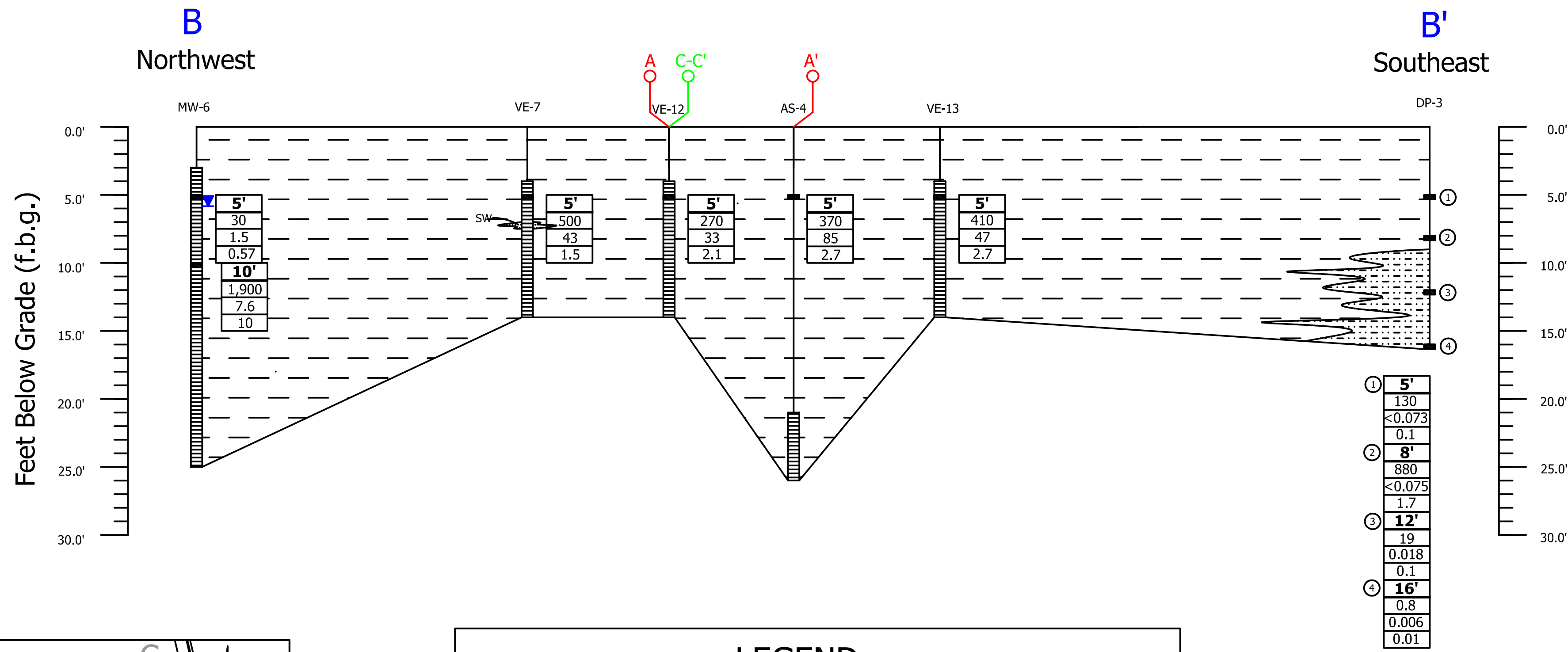
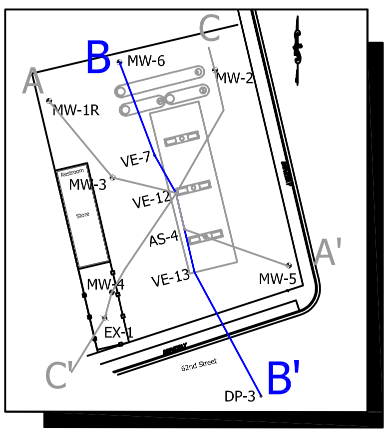
CROSS SECTION A-A'

Alaska Gasoline
6211 San Pablo Avenue, Oakland, California

DATE:	May 20, 2008
FILE NO.:	A51-05
DRAWN BY:	RER
FIGURE	





LEGEND

MW-5	Blank Interval
	Sampled Interval
	Screened Interval of Well

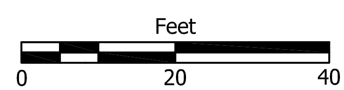
5'	Sample Depth (f.b.g.)
110	TPHg value (ppm)
9.4	MTBE value (ppm)
0.27	Benzene value (ppm)

Interpreted Lithologic Contact

February 2008 Groundwater Elevation data

- CL — Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
- CL & ML — Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
- SW — Well-graded sands and gravelly sands, little or no fines
- SP — Poorly graded sands and gravelly sands, little or no fines

Vertical Exaggeration = 2X



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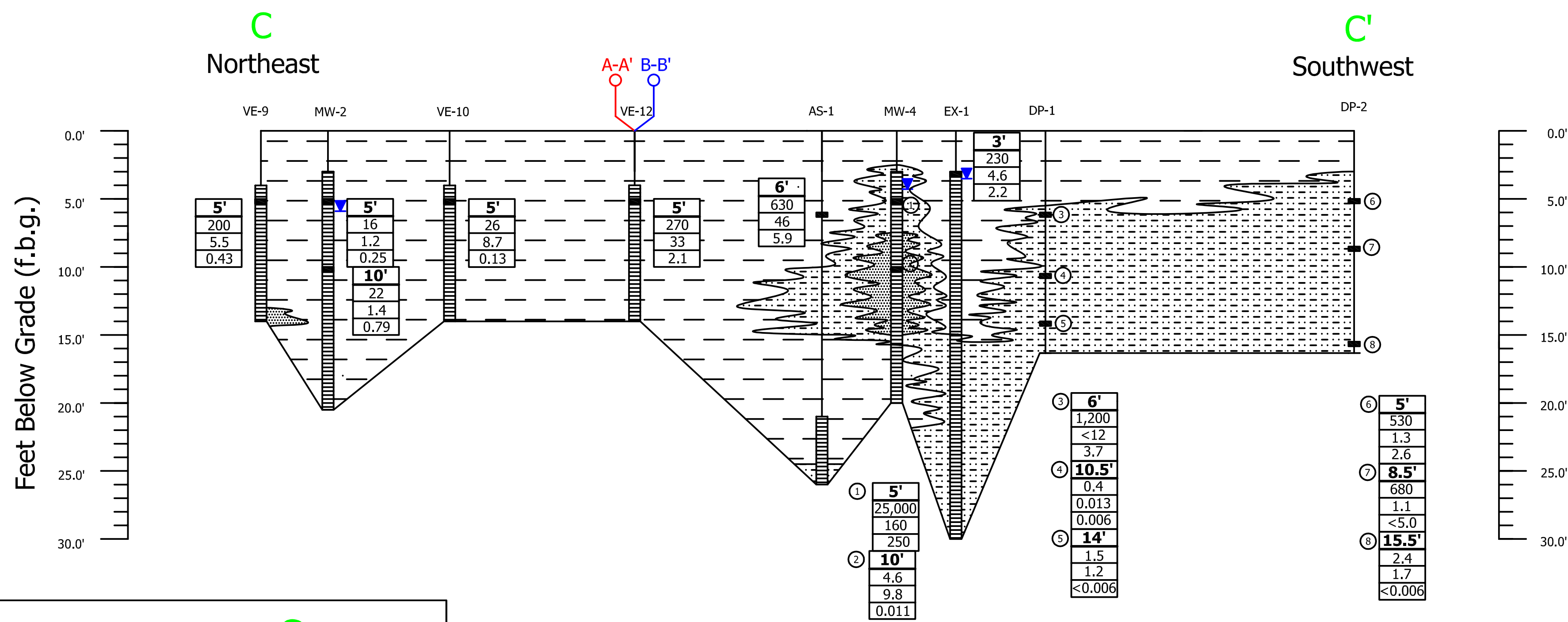
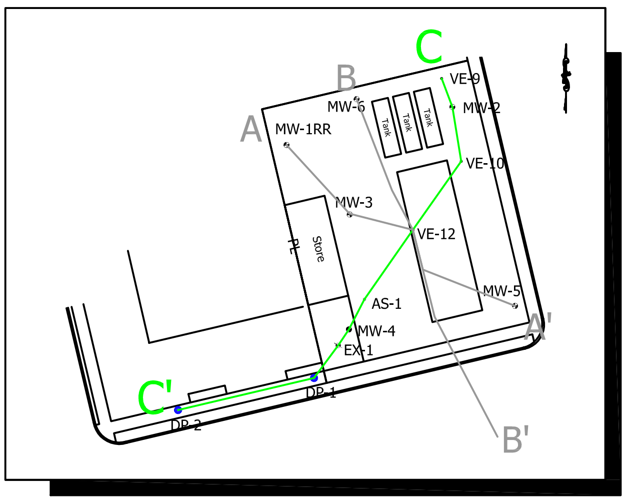
CROSS SECTION B-B'

Alaska Gasoline
6211 San Pablo Avenue, Oakland, California

DATE:	May 20, 2008
FILE NO.:	A51-05
DRAWN BY:	RER
FIGURE	





LEGEND

MW-5

- Blank Interval
- Sampled Interval
- Screened Interval of Well

5'	Sample Depth (f.b.g.)
110	TPHg value (ppm)
9.4	MTBE value (ppm)
0.27	Benzene value (ppm)

Interpreted Lithologic Contact

February 2008 Groundwater Elevation data

CL	Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
CL & ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands
SW	Well-graded sands and gravelly sands, little or no fines
SP	Poorly graded sands and gravelly sands, little or no fines

Vertical Exaggeration = 3X

Feet

0 25 50

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CROSS SECTION C-C'

Alaska Gasoline
6211 San Pablo Avenue, Oakland, California

DATE: May 20, 2008
FILE NO.: A51-05
DRAWN BY: RER
FIGURE

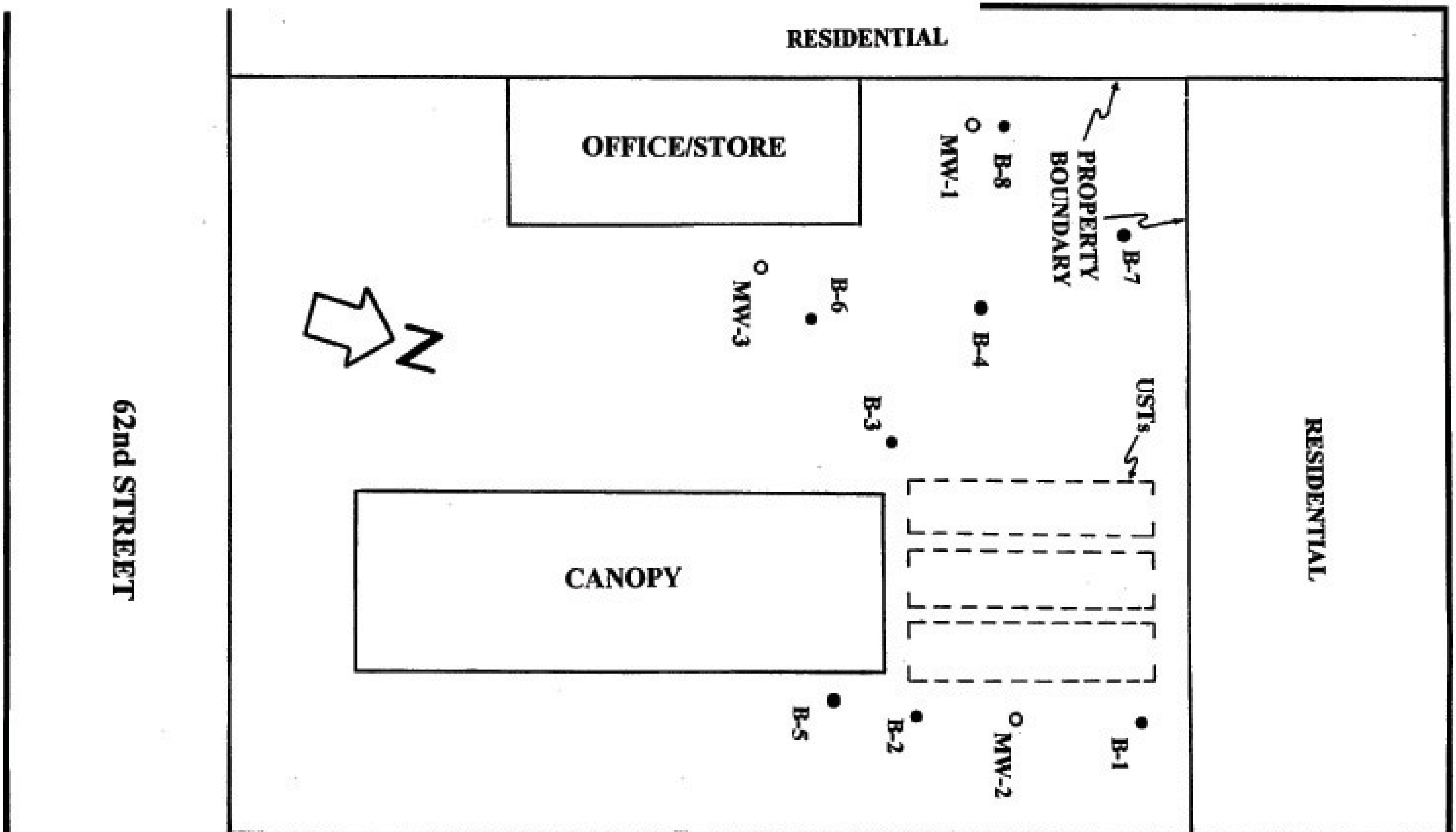


FIGURE - BORING/WELL LOCATIONS

SCALE: 1" = 20'	APPROVED BY :	DRAWN BY HBS
DATE: 4/27/99		REVISED 12/12/99

ALASKA GASOLINE COMPANY
Oakland, California

HerSchy Environmental | DRAWING NUMBER

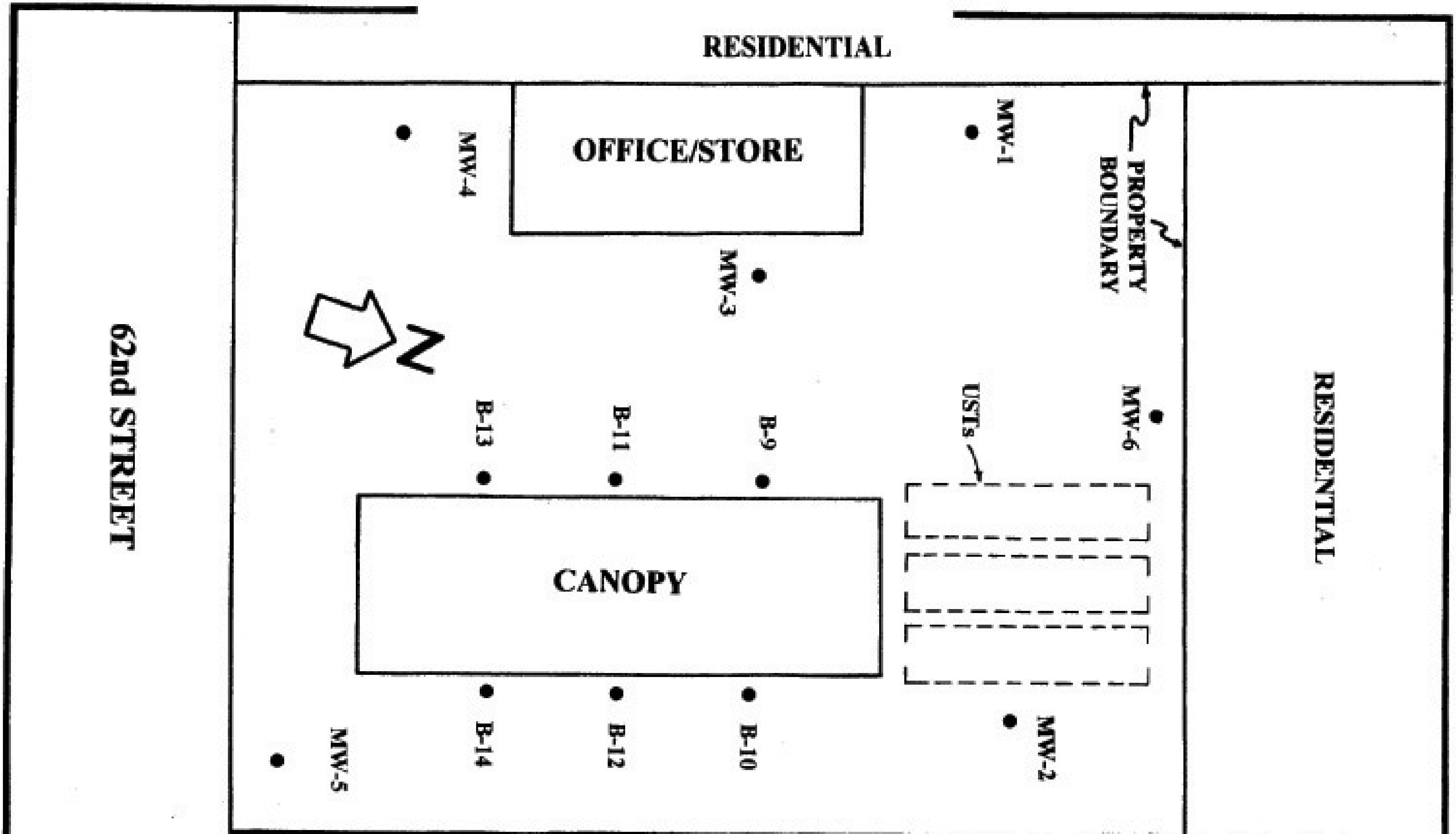
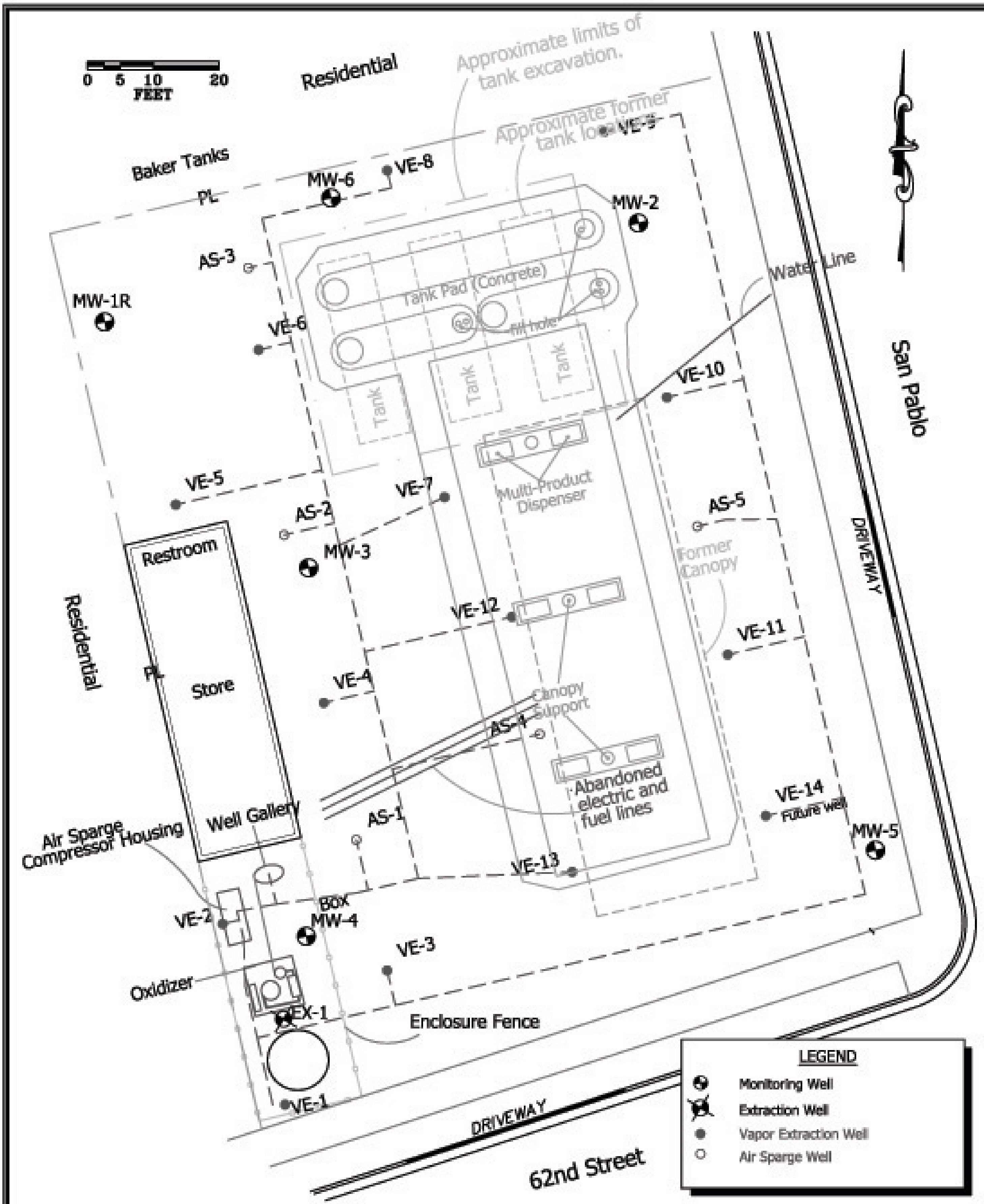


FIGURE – NEW BORINGS AND WELLS		
SCALE: 1" = 20'	APPROVED BY:	DRAWN BY HBS
DATE: 12/12/99		REVISED 6/16/02
ALASKA GASOLINE COMPANY Oakland, California		
HerSchy Environmental		DRAWING NUMBER



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VAPOR EXTRACTION SYSTEM LAYOUT

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	June 2005
FILE NO.:	A51-01
DRAWN BY:	RER

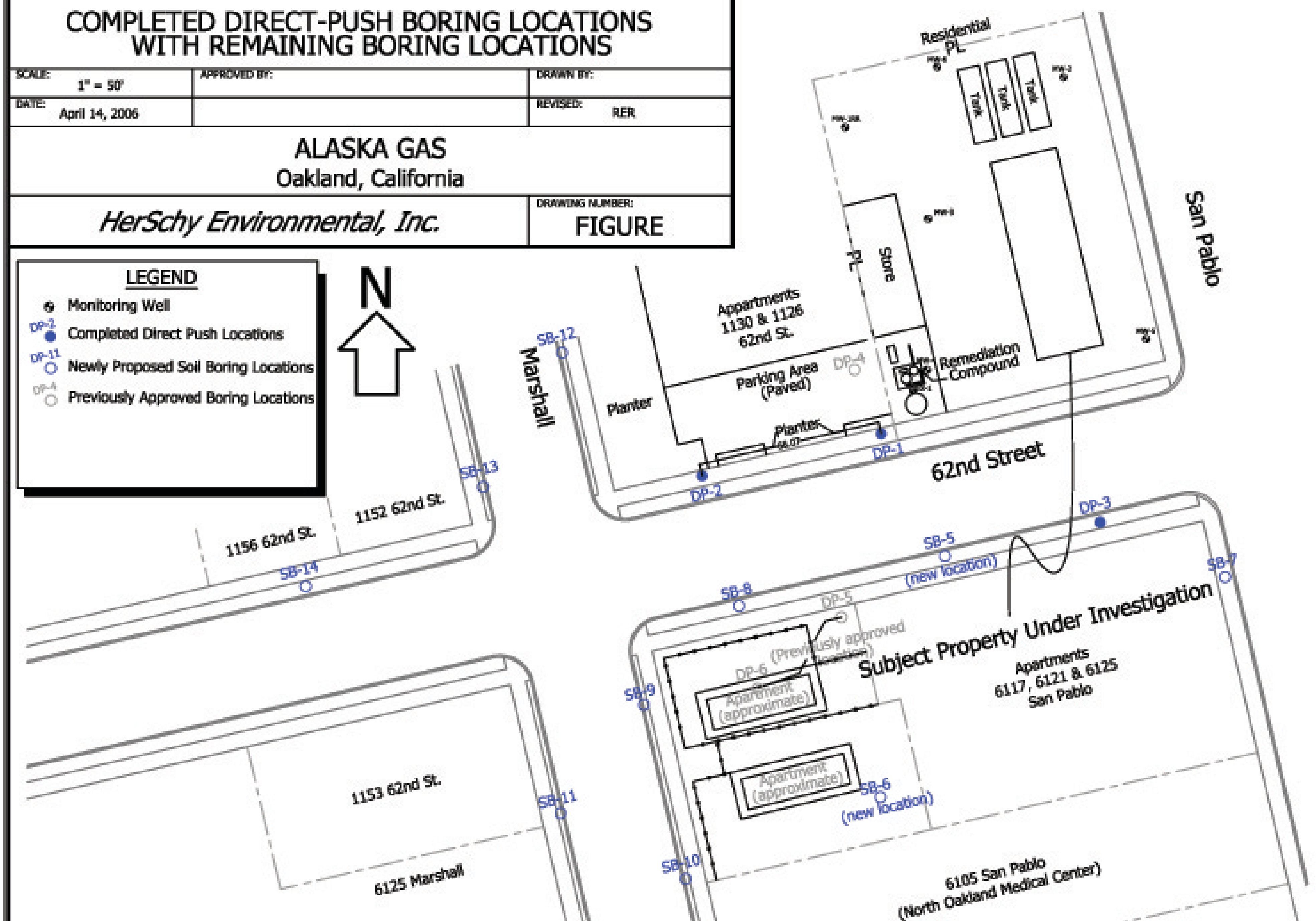
FIGURE

COMPLETED DIRECT-PUSH BORING LOCATIONS WITH REMAINING BORING LOCATIONS

SCALE: 1" = 50'	APPROVED BY:	DRAWN BY:
DATE: April 14, 2006		REVISED: RER

ALASKA GAS
Oakland, California

HerSchy Environmental, Inc.	DRAWING NUMBER: FIGURE



Notes
* Structural Features outside of main site are not surveyed and approximate.
* Utility locations and other pertinent features taken from aerials, site observations, and other historical references

APPENDIX C

DWR ¼ Mile Well Survey Report

APPENDIX D

Historical Boring Logs

HerSchy Environmental — **WELL / BORING LOG**

WELL/ NA
BORING B-1
PAGE 1 OF 1

CLIENT Alaska Gasoline Company
DATE DRILLED 4-16-99
LOCATION Oakland
HOLE DIAMETER 8"
HOLE DEPTH 15'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD HSA
SAMPLING METHOD Split Spoon
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
						CL	Clay, dk. grey, distinct hydrocarbon odor
						CL	Silty clay, grey.
			5				
						ML	Clayey silt, grey, distinct gasoline odor.
	dmp	3 11 9	10			ML	Clayey silt, grey, trace v. fine sand faint gasoline odor, no stain; OVA = 230.5 ppm.
	wet	8 8 13	15			CL	Silty clay, brown, faint gasoline odor, no stain; OVA = 146 ppm.

note: measured water @ 10.2' after 15 min., collected water sample.

T.D. = 15'

BORINGP2.DWG

HerSchy Environmental **WELL / BORING LOG**

WELL/ NA
BORING B-2
PAGE 1 OF 1

CLIENT Alaska Gasoline Company
DATE DRILLED 4-16-99
LOCATION Oakland
HOLE DIAMETER 8"
HOLE DEPTH 10'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD HSA
SAMPLING METHOD Split Spoon
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
						CL	Clay, dk. grey, nearly black.
						CL	Silty clay, grey.
			5				
	dmp	8 6 9	10			CL	Silty clay, grey, distinct gasoline odor, no stain; OVA = 151.6 ppm.
							T.D. = 10'

HerSchy Environmental — WELL / BORING LOG

WELL/ NA
BORING B-3
PAGE 1 OF 1

CLIENT	Alaska Gasoline Company	LOGGED BY	H. Schymiczek
DATE DRILLED	4-16-99	DRILLED BY	West Hazmat
LOCATION	Oakland	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0			ML	Approx. 2" asphalt. Clayey silt, grey.
			5			CL	Silty clay, grey.
	dmp	8 12 14	10			ML	Clayey silt, grey, trace v. fine sand distinct gasoline odor, no stain; OVA = 1,960 ppm.
							T.D. = 10'

HerSchy Environmental — WELL / BORING LOG

WELL/ NA
BORING B-4
PAGE 1 OF 1

CLIENT Alaska Gasoline Co.
DATE DRILLED 6/29/99
LOCATION Oakland
HOLE DIAMETER 1.5"
HOLE DEPTH 15'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD Geoprobe
SAMPLING METHOD direct push
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
	dmp		5			CL	Clay, greenish-grey, trace silt, distinct gasoline odor, no stain.
	dmp		10			CL	Clay, lt. brown, scattered pebbles to 0.25", faint gasoline odor, no Stain.
			15				T.D. = 15'

BORINGP2.DW2

HerSchy Environmental WELL / BORING LOG

WELL/ NA
BORING B-5
PAGE 1 OF 1

CLIENT Alaska Gasoline Co.
DATE DRILLED 6/29/99
LOCATION Oakland
HOLE DIAMETER 1.5"
HOLE DEPTH 15'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD Geoprobe
SAMPLING METHOD direct push
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
	dmp		5			ML	Clayey Silt, greenish-grey, faint gasoline odor, no stain.
	dmp		10			CL	Silty clay, lt. brown, scattered pebbles to 0.20", distinct gasoline odor, no stain.
			15				T.D. = 15'

BORINGP2.DW2

HerSchy Environmental — WELL / BORING LOG

WELL/ NA
BORING B-6
PAGE 1 OF 1

CLIENT Alaska Gasoline Co.
DATE DRILLED 6/29/99
LOCATION Oakland
HOLE DIAMETER 1.5"
HOLE DEPTH 12'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD Geoprobe
SAMPLING METHOD direct push
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
	dmp		5			CL	Clay, greenish-grey, faint gasoline odor, no stain.
	dmp		10			CL	S.A.A., faint gasoline odor, no stain.
							note: Geoprobe refusal @ 12'.
							T.D. = 12'
			15				

BORINGP2 DW2

HerSchy Environmental WELL / BORING LOG

WELL/ NA
BORING B-7
PAGE 1 OF 1

CLIENT	Alaska Gasoline Co.	LOGGED BY	H. Schymiczek
DATE DRILLED	6/29/99	DRILLED BY	West Hazmat
LOCATION	Oakland	DRILLING METHOD	Geoprobe
HOLE DIAMETER	1.5"	SAMPLING METHOD	direct push
HOLE DEPTH	15'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
	dmp		5	■		CL	Clay, greenish-grey, scattered coarse sand grains, faint gasoline odor, no stain.
	dmp		10	■		ML	Sandy silt, greenish-grey, v. fine- to coarse-grained, scattered pebbles to 0.25", trace clay, distinct gasoline odor, no stain.
			15				T.D. = 15'

BORINGP2.DW2

HerSchy Environmental

WELL / BORING LOG

WELL/ NA
BORING B-8
PAGE 1 OF 1

CLIENT Alaska Gasoline Co.
DATE DRILLED 6/29/99
LOCATION Oakland
HOLE DIAMETER 1.5"
HOLE DEPTH 11'
WELL DEPTH NA
WELL DIAMETER NA
ELEVATION not surveyed

LOGGED BY H. Schymiczek
DRILLED BY West Hazmat
DRILLING METHOD Geoprobe
SAMPLING METHOD direct push
CASING TYPE NA
SLOT SIZE NA
GRAVEL PACK NA

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt
	dmp		5	■		CL	Silty clay, dk. brown, no odor or stain.
	dmp		10	■		ML	Sandy silt, greenish-grey, v. fine- to fine-grained, scattered pebbles to 0.25", distinct gasoline odor, no stain.
			15				

note: Geoprobe refusal @ 11' with sacrificial well point.

T.D. = 11'

HerSchy Environmental — WELL / BORING LOG

WELL/ MW-1
BORING NA
PAGE 1 OF 1

CLIENT	Alaska Gasoline Co.	LOGGED BY	H. Schymiczek
DATE DRILLED	10-11-99	DRILLED BY	West Hazmat
LOCATION	Oakland	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	21'	CASING TYPE	Sch. 40PVC
WELL DEPTH	20.50	SLOT SIZE	0.020"
WELL DIAMETER	2"	GRAVEL PACK	#3 Sand
ELEVATION	34.70'		

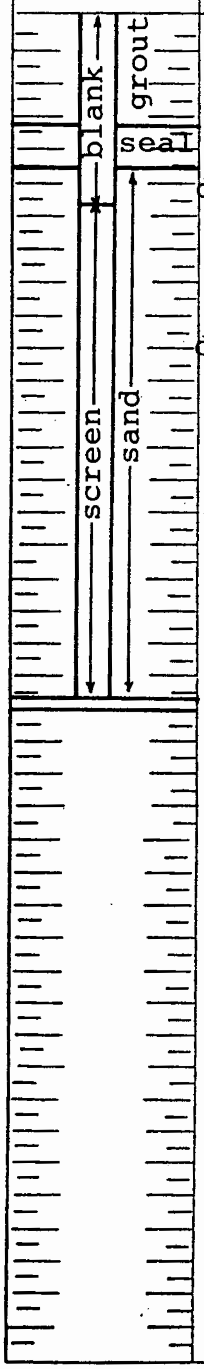
WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
blank; grout			0				Approx. 2" asphalt
						CL	Clay, dk grey, trace silt.
seal							
screen; sand	dmp	8 7 5	5			CL	Clay, grey, scattered pebbles to 0.20" no odor or stain; OVA=0.8ppm
	dmp	7 7 8	10			CL	Sandy clay, grey, v.fine to med.-grained, distinct gasoline odor, no stain; OVA=1,950ppm
			15				
			20			CL	Silty clay, brown.
							T.D.=21'
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental WELL / BORING LOG

WELL	MW-2
BORING	NA
PAGE	1 OF 1

CLIENT	Alaska Gasoline Co.	LOGGED BY	H. Schymiczek
DATE DRILLED	10-11-99	DRILLED BY	West Hazmat
LOCATION	Oakland	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	21'	CASING TYPE	Sch. 40PVC
WELL DEPTH	20.71'	SLOT SIZE	0.020"
WELL DIAMETER	2"	GRAVEL PACK	#3 Sand
ELEVATION	33.74'		



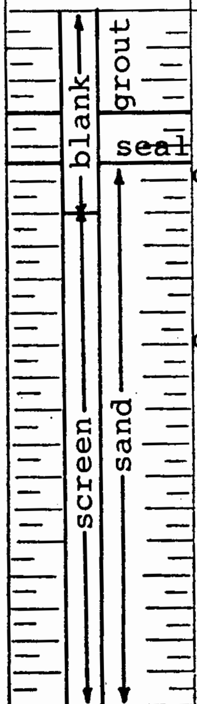
WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 1" asphalt
						CL	Clay, grey, trace silt.
	dmp	9 13 16	5			CL	Silty clay, grey, trace v.fine sand, faint gasoline odor, no stain; OVA=60.3ppm
	dmp	9 10 13	10			CL	Silty clay, mottled grey & brown, faint gasoline odor, no stain; OVA=92.1ppm
			15				
			20			CL	Silty clay, brown
							T.D.=21'
			25				
			30				
			35				
			40				

HerSchy Environmental WELL / BORING LOG

WELL/ MW-3
BORING NA
PAGE 1 OF 1

CLIENT	Alaska Gasoline Co.	LOGGED BY	H. Schymiczek
DATE DRILLED	10-11-99	DRILLED BY	West Hazmat
LOCATION	Oakland	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	21'	CASING TYPE	Sch. 40PVC
WELL DEPTH	20.95'	SLOT SIZE	0.020"
WELL DIAMETER	2"	GRAVEL PACK	#3 Sand
ELEVATION	34.94'		

WELL COMPLETION DETAIL



MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	SOIL TYPE	LITHOLOGY / REMARKS
		0			Approx. 2" asphalt
				CL	Silty clay, dk. grey
dmp	8 10 12	5	■	CL	Silty clay, grey, trace v.fine - to fine sand, distinct gasoline odor, no stain; OVA=1,151ppm
dmp	7 7 9	10	■	CL	Silty clay, grey, scattered pebbles to 0.25" distinct gasoline odor, no stain; OVA=594ppm
		15			
		20		CL	Silty clay, brown
					T.D.=21'
		25			
		30			
		35			
		40			

BORINGP2.DW2

HerSchy Environmental **WELL / BORING LOG**

WELL NA
BORING B-9
PAGE 1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0			CL	Approx. 2" asphalt. Silty clay, dk. brown.
	dmp	5 8 12	5			CL	Clay, lt. brown, trace silt, faint gasoline odor, no stain; OVA=82.5ppm.
	dmp	4 8 11	10			SM	Silty sand, grey, v.fine-to med.-grained, scattered pebbles to 0.25", distinct gasoline odor, no stain; OVA=509ppm.
			15				T.D.=10'
			20				
			25				
			30				
			35				
			40				

HerSchy Environmental — WELL / BORING LOG

WELL/	NA
BORING	B-10
PAGE	1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0			CL	Approx. 1" asphalt. Silty clay dk. brown.
	dmp	3 6 7	5			CL	Silty clay, grey, faint gasoline odor, no stain; OVA=46.5ppm.
	dmp	4 6 8	10			GC	Clayey gravel, grey, pebbles up to 0.5", distinct gasoline odor, no stain; OVA=403ppm.
							T.D.=10'
			15				
			20				
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental **WELL / BORING LOG**

WELL/ NA
BORING B-11
PAGE 1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 1" asphalt.
						CL	Clay, dk. brown.
		4					
	dmp	7	5			CL	Clay, grey, trace silt, gaint gasoline odor, no stain; OVA=30.1ppm.
		9					
		4					
	dmp	5	10			CL	S.A.A., faint gasoline odor, no stain; OVA=23.7ppm.
		6					
							T.D.=10'
			15				
			20				
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental

WELL / BORING LOG

WELL NA
BORING B-12
PAGE 1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	NA		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
						CL	Silty clay, dk. brown.
	dmp	4 6 8	5			CL	Silty clay, grey, distinct gasoline odor, no stain; OVA=457ppm.
	dmp	4 6 8	10			CL	Clay, grey, trace silt, distinct gasoline odor, no stain; OVA=316ppm.
							T.D.=10'
			15				
			20				
			25				
			30				
			35				
			40				

BORINGP2.DWG

HerSchy Environmental **WELL / BORING LOG**

WELL NA
BORING B-13
PAGE 1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	6'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	NA		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0			CL	Approx. 1" asphalt. Clay, dk. brown.
		4					
	dmp	7	5				Clay, dk. brown, distinct gasoline odor, no stain; OVA=289ppm.
		9					
							T.D.=6'
			10				
			15				
			20				
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental **WELL / BORING LOG**

WELL NA
BORING B-14
PAGE 1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	10'	CASING TYPE	NA
WELL DEPTH	NA	SLOT SIZE	NA
WELL DIAMETER	NA	GRAVEL PACK	NA
ELEVATION	Not surveyed		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
			0				Approx. 2" asphalt.
						ML	Clayey silt, dk. brown.
		2					
		8	5				No recovery
		10					
						CL	Silty clay, grey.
		6					
	dmp	9	10			CL	Silty clay, grey, scattered pebbles to 0.5", distinct gasoline odor, no stain; OVA=319ppm.
		10					
							T.D.=10'
			15				
			20				
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental — WELL / BORING LOG

WELL	MW-4
BORING	NA
PAGE	1 OF 1

CLIENT	Alaska Gasoline	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	20'	CASING TYPE	Sch. 40 PVC
WELL DEPTH	19.40'	SLOT SIZE	0.020"
WELL DIAMETER	2"	GRAVEL PACK	#3 sand
ELEVATION	32.38'		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
blank; grout			0				Approx. 1" asphalt.
blank; seal						CL	Silty clay, dk. grey, distinct petroleum odor.
blank		3					
	dmp	4	5	■		ML	Sand, grey, v.fine-to fine-grained, trace silt, strong gasoline odor, no stain; OVA=479ppm.
		6					
		8					
screen; sand	wet	9	10	■		SW	Sand, grey, v.fine-to med.-grained, scattered pebbles to 0.25' strong gasoline odor, no stain' OVA=215ppm.
		11					
			15				
						CL	Silty clay, brown.
			20				T.D.=20'
			25				
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental WELL / BORING LOG

WELL MW-5
BORING NA
PAGE 1 OF 1

CLIENT Alaska Gasoline
DATE DRILLED 11-16-01
LOCATION Oakland, CA
HOLE DIAMETER 8"
HOLE DEPTH 25'
WELL DEPTH 24.65'
WELL DIAMETER 2"
ELEVATION 33.75'

LOGGED BY H. Schymiczek
DRILLED BY CTL
DRILLING METHOD HSA
SAMPLING METHOD Split Spoon
CASING TYPE Sch. 40 PVC
SLOT SIZE 0.020"
GRAVEL PACK #3 sand

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
blank / grout			0			CL	Approx. 2" asphalt. Silty clay, dk. brown.
blank / seal		4					
screen / sand	dmp	5	5	■			
		7				ML	Silt, grey, trace clay and v.fine sand, no odor or stain; OVA=25.6ppm.
		4					
	dmp	6	10	■		ML	Sandy silt, grey, v.fine-to coarse-grained sand fraction, trace clay, no odor or stain; OVA=22.2ppm.
		8					
			15				
						ML	Silty clay, brown.
			20				
			25			SW	Sand, brown, v.fine-to coarse-grained, scattered pebbles to 0.5".
							T.D.=25'
			30				
			35				
			40				

BORINGP2.DW2

HerSchy Environmental WELL / BORING LOG

WELL MW-6
BORING NA
PAGE 1 OF 1

CLIENT	Alaska Gasoline Co.	LOGGED BY	H. Schymiczek
DATE DRILLED	11-16-01	DRILLED BY	CTL
LOCATION	Oakland, CA	DRILLING METHOD	HSA
HOLE DIAMETER	8"	SAMPLING METHOD	Split Spoon
HOLE DEPTH	25'	CASING TYPE	Sch. 40 PVC
WELL DEPTH	23.75'	SLOT SIZE	0.020"
WELL DIAMETER	2"	GRAVEL PACK	#3 sand
ELEVATION	34.68'		

WELL COMPLETION DETAIL	MOISTURE CONTENT	BLOWS/FOOT	DEPTH (FEET)	SAMPLE	GRAPHIC	SOIL TYPE	LITHOLOGY / REMARKS
blank; grout			0			CL	Approx. 1" asphalt. Silty clay, dk. brown.
blank; seal		11					
sand	dmp	13	5			CL	Silty clay, grey, faint petroleum odor, no stain; OVA=17.9ppm.
		16					
screen; sand		4					
	dmp	6	10			ML	Silty sand, grey, v.fine-to fine-grained, distinct gasoline odor, no stain; OVA=488ppm.
		8					
			15				
						ML	Clayey silt, lt. brown.
			20				
			25			GC	Clayey gravel, brown, v.fine-to coarse-grained sand with clasts up to 0.5" in a clay.
							T.D.=25'
			30				
			35				
			40				

BORINGP2.DW2

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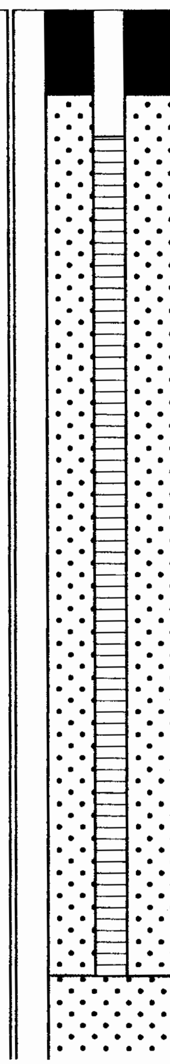
FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-1R**
TOTAL DEPTH: **25'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/12/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete seal
-5		CL	@5': CLAY, green, pebbles up to 1", strong fuel odor	MW-1R@5'				
-10		CL	@10': CLAY, coarse-grained sand, pebbles up to 1/2", plastic, strong fuel odor					#3 sand
-15		CL	@15': CLAY, coarse-grained sand, pebbles up to 3/4", green w/ orange, strong fuel odor					
-20		CL	@20': CLAY, brown & green, very coarse-grained sand, mild fuel odor					
		CL	@25': CLAY, brown, pebbles up to 1/4", high strength, no odor					



NOTES: Groundwater Monitoring Well

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FIELD BOREHOLE LOG

BOREHOLE NO.: **EX-1**
TOTAL DEPTH: **30'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**4" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**10" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/12/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete seal
				EX-1@3'				
-5		CL	@5': CLAY, black and green, medium strength, plastic, strong fuel odor					
-10		CL	@10': CLAY, gravel-rich, pebbles up to 1/4", green, strong fuel odor					#3 sand
-15		CL	@15': CLAY, sparse gravel, pebbles up to 1/4", green, strong fuel odor					
			SILT:					
-20		ML	@20': SILT, clayey, green and brown, some coarse-grained sand, no odor					
-25		ML	@25': SILT, clayey, brown, no odor					
		ML	@30': SILT, sandy brown, no odor					

NOTES: Groundwater Extraction Well

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FIELD BOREHOLE LOG

BOREHOLE NO.: **AS-1**
TOTAL DEPTH: **26'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2"Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/15/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
			CLAY, green, high strength, sparse pebbles, strong fuel odor					
-5		CL						
				AS-1@6'				
-10		ML	SILT: clayey, sparse pebbles, soft, strong fuel odor					grout

NOTES: Air Sparging Well

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
-15		CL	CLAY: high strength, gravel-rich, fuel odor					
			@20': CLAY, silty, brown, gravel-rich, pockets of silt, fuel odor					
								seal
-20		CL						
								#3 sand
-25		ML	SILT: gravel-rich, up to 1/2" pebbles, brown, strong fuel odor					

NOTES: Air Sparging Well

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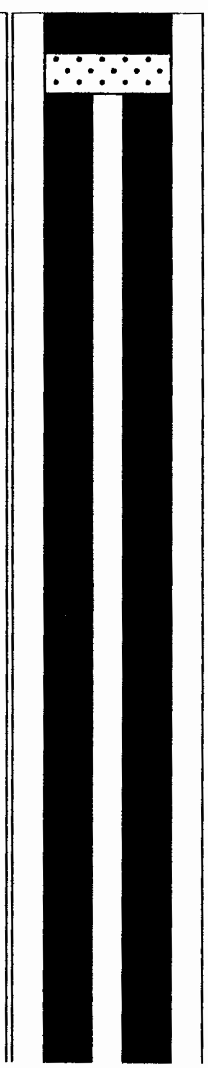
FIELD BOREHOLE LOG

BOREHOLE NO.: **AS-2**
TOTAL DEPTH: **26'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2"Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8"Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/15/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					Concrete plug
			CLAY, silty, sparse pebbles, green orange & yellow, strong fuel odor					
-5		CL	@10': CLAY, silty, sparse pebbles, dark green, strong fuel odor	AS-2@5'				
			@15': CLAY, silty, soft, no pebbles, fuel odor, brownish green					
-10		CL	@20': CLAY, silty, brown, soft, fuel odor					grout
			@25': CLAY, silty, brown soft, sparse pebbles, slight fuel odor					



NOTES: Air Sparging Well

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
-15		CL						
								seal
-20		CL						
								#3 sand
-25		CL						

NOTES: Air Sparging Well

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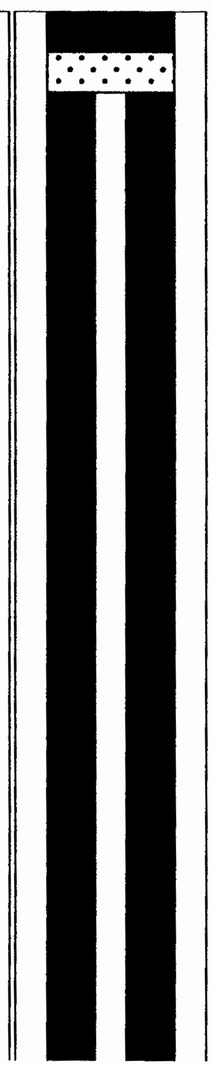
FIELD BOREHOLE LOG

BOREHOLE NO.: **AS-3**

TOTAL DEPTH: **26'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/14/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
			@5': CLAY, gravel-rich, pebbles up to 1/2", green, high strength, strong fuel odor					
-5		CL	@10': CLAY, silty, sparse pebbles up to 1/2", green, soft, strong fuel odor	AS-3@5'				
			@15': CLAY, Same as at 10', with brown color					
-10		CL	@20': CLAY, green and brown, high strength, sparse pebbles up to 1/4", fuel odor					grout
			@25': Same as at 20'					



NOTES: Air Sparge Well

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
-15		CL						
								seal
-20		CL						
								sand
-25		CL						

NOTES: Air Sparge Well

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BOREHOLE NO.: **AS-4**
TOTAL DEPTH: **26'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/14/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
			@5': CLAY, green and orange, high strength, sparse very coarse-grained sand, strong fuel odor					
-5		CL	@10': CLAY, silty, green, soft, strong fuel odor	AS-4@5'				
			@15': CLAY, gravel-rich, pebbles up to 1/4", brown, pockets of silt-rich clay					grout
-10		CL	@20': CLAY, same as at 15'					
								seal
			@25': CLAY, same as at 15', more orange					

NOTES: Air Sparge Well

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
-15		CL						
-20		CL						
								sand
-25		CL						

NOTES: Air Sparge Well

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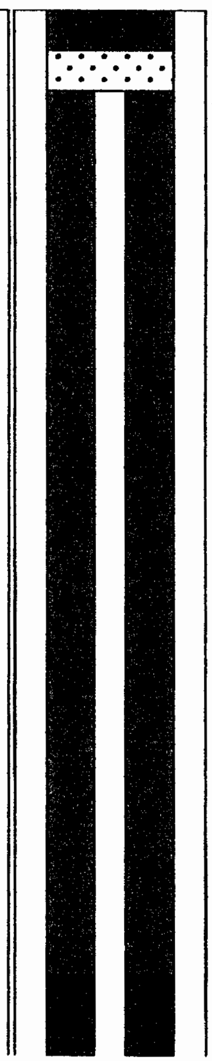
FIELD BOREHOLE LOG

BOREHOLE NO.: **AS-5**
TOTAL DEPTH: **26'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/14/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
			@5': CLAY, green with black, yellow, and red, loosely consolidated, pebbles up to 3/4", strong fuel odor					
-5		CL	@10': CLAY, gravel-rich, pebbles up to 1/2", brown and black, soft, strong fuel odor	AS-5@5'				
								grout
			@15': CLAY, brown, soft, pebbles up to 1/4", fuel odor					
-10		CL	@20': CLAY, same as at 15', with more pebbles					
			@23': CLAY, brown, soft, sparse pebbles, fuel odor					



NOTES: Air Sparge Well

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
								seal
-15		CL						
-20		CL						
								#3 sand
-25		GC	GRAVEL: clayey, brown, saturated					

NOTES: Air Sparge Well

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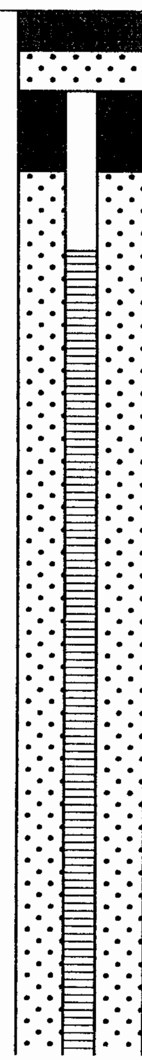
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-1**
TOTAL DEPTH: **13'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
		CL	@4': CLAY, pebbles up to 1/4", blue green, high strength, strong fuel odor	VE-1@4'				
-5								
								#3 sand
-10		CL	@10': CLAY, same as at 4', w/ brown mottling, gravel-rich, strong odor					
		CL	@13': CLAY, dark green, sparse very coarse-grained sand, pebbles present, strong fuel odor					



NOTES: Vapor Extraction Well

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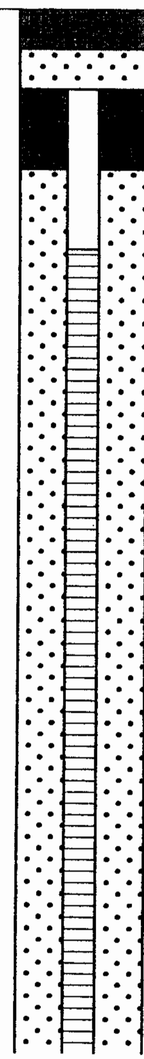
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-2**
TOTAL DEPTH: **13'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, pebbles present up to 3/4", green w/ brown, strong fuel odor	VE-2@5'				sand
-10		CL	@10': CLAY, gravel-rich, pebbles up to 1/2", green and brown, strong fuel odor					



NOTES: Vapor Extraction Well

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FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-3**
TOTAL DEPTH: **13'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, sparse pebbles, high plasticity, medium strength, black and green, strong fuel odor	VE-3@5'				
								#3 sand
-10		SM	SAND: clayey, green and black, strong fuel odor					
		CL	CLAY: same as at 5', with more green color					

NOTES: Vapor Extraction Well

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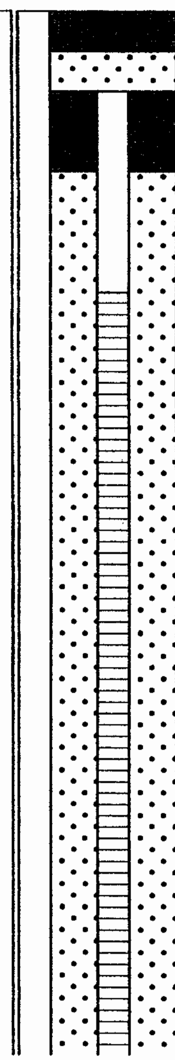
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-4**
TOTAL DEPTH: **13.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, high strength, green w/ brown, sparse pebbles up to 1/2", strong fuel odor	VE-4@5'				
								#3 sand
-10		CL	@10': CLAY, same as at 5', with pebbles up to 1/4"					
			@13': CLAY, brown green, plastic, sparse very coarse-grained sand, fuel odor					



NOTES: Vapor Extraction Well

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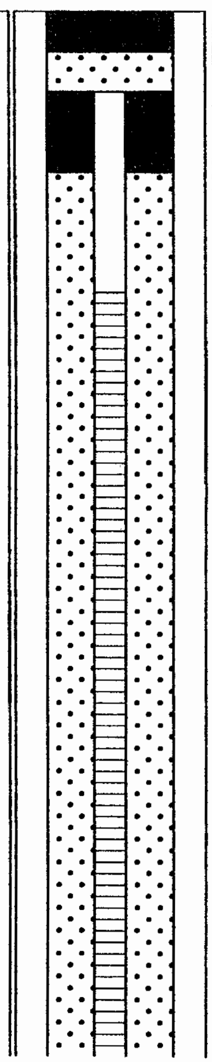
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-5**
TOTAL DEPTH: **13.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			SAND:					concrete plug
								seal
-5		SM	@6': SAND, silty, green, trace clay, strong fuel odor	VE-5@6'				
								#3 sand
-10		SM	@10': SAND, silty, blue green, some clay, strong fuel odor					
			@13': same as at 10', more clay					



NOTES: Vapor Extraction Well

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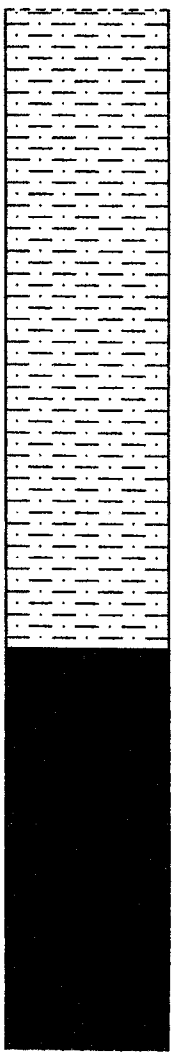
FIELD BOREHOLE LOG

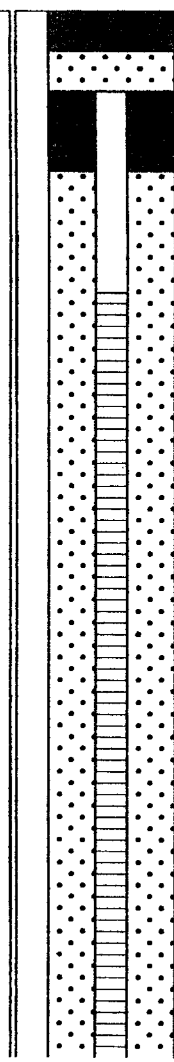
BOREHOLE NO.: **VE-6**

TOTAL DEPTH: **13.5'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			SILT: sandy, 4" clay layer present, dark green and black, strong fuel odor					concrete plug
								seal
-5								
		SM		VE-6@6'				
								#3 sand
			CLAY:					
			@10': CLAY, sandy, sparse pebbles up to 1", green, soft, fuel odor					
-10		CL						
			@13': Same as at 10'					





NOTES: Vapor Extraction Well

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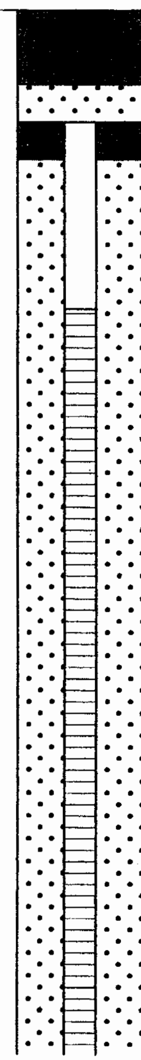
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-7**

TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, black, high plasticity, medium strength, strong fuel odor	VE-7@5'				
		SM	SAND: 4" silty sand layer					#3 sand
			CLAY:					
-10		CL	@10': CLAY, green, pebbles present up to 1", high strength, low plasticity, fuel odor					
		CL						



NOTES: Vapor Extraction Well

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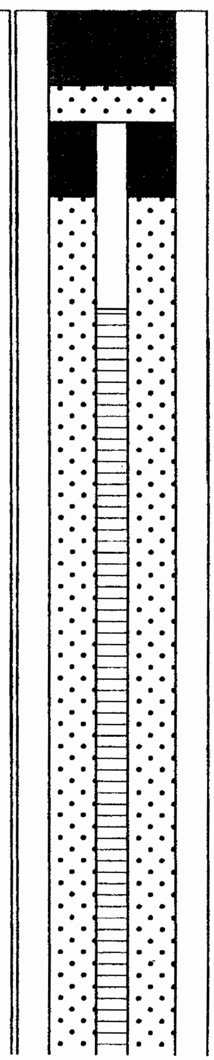
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-8**
TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Alaska Gasoline Company	DRILLING CO.:	Consolidated Testing
SITE LOCATION:	Oakland	SLOT SIZE:	0.020"
JOB NO.:	A51-01.03	CASING TYPE:	2" Sch. 40 PVC
LOGGED BY:	J. Teves	METHOD OF DRILLING:	8" Hollow Stem Auger
PROJECT MANAGER:	J. Teves	SAMPLING METHOD:	California split spoon
DATES DRILLED:	1/13/04	GRAVEL PACK:	#3 Sand

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, green w/ brown, gravel-rich, pebbles up to 3/4", strong fuel odor, low plasticity, high strength	VE-8@5'				
								#3 sand
-10		CL	@10': CLAY, green, soft, plactic, fuel odor					
		CL	@13.5': CLAY, gravel-rich, pebbles up to 1", brown, soft, fuel odor					



NOTES: Vapor Extraction Well

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FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-9**

TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, green w/ brown mottling, high strength, low plasticity, strong fuel odor	VE-9@5'				
								#3 sand
-10		CL	@10': CLAY, green and brown, soft, pebbles up to 3/4", strong fuel odor					
		SM	SAND: silty, green, strong fuel odor					

NOTES: Vapor Extraction Well

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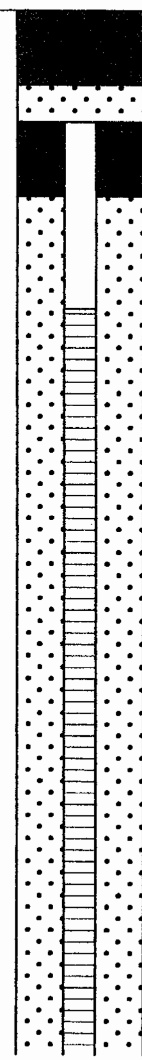
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-10**

TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/13/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, green with brown, gravel-rich, pebbles up to 1", high strength, strong fuel odor	VE-10@5'				
								#3 sand
-10		CL	@10': CLAY, same as at 5'					
			@14': CLAY, brown, soft, less gravel than at 10', strong fuel odor					
		CL						



NOTES: Vapor Extraction Well

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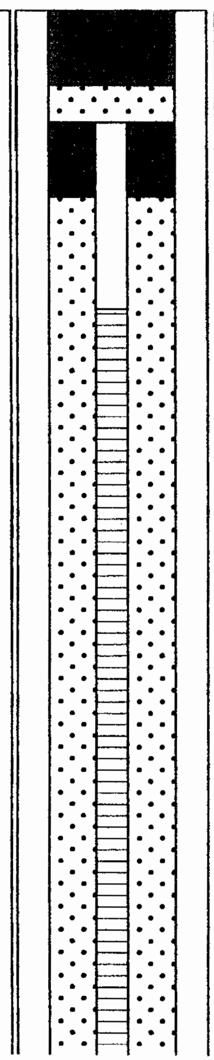
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-11**
TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/14/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, green & orange, high strength, sparse pebbles up to 1/2", strong fuel odor	VE-11@5'				
								#3 sand
				notable sheen on augers				
-10		CL	@10': CLAY, gravel-rich, pebbles up to 1/2", green, strong fuel odor					
		CL	@14': CLAY, same as at 10', but brown color					



NOTES: Vapor Extraction Well

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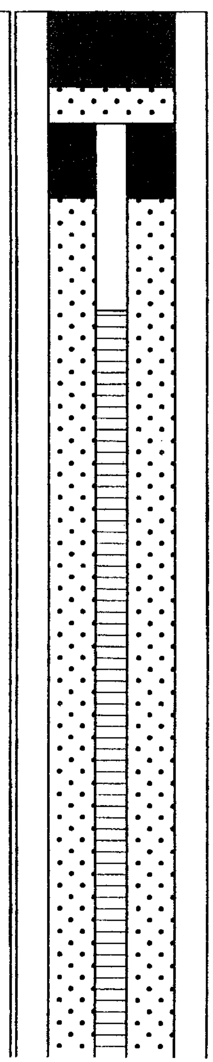
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-12**
TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Alaska Gasoline Company	DRILLING CO.:	Consolidated Testing
SITE LOCATION:	Oakland	SLOT SIZE:	0.020"
JOB NO.:	A51-01.03	CASING TYPE:	2" Sch. 40 PVC
LOGGED BY:	J. Teves	METHOD OF DRILLING:	8" Hollow Stem Auger
PROJECT MANAGER:	J. Teves	SAMPLING METHOD:	California split spoon
DATES DRILLED:	1/14/04	GRAVEL PACK:	#3 Sand

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, gravel-rich, pebbles up to 1/2", green, strong fuel odor	VE-12@5'				
								#3 sand
-10		CL	@10': CLAY, green w/ brown, soft, sparse pebbles, strong fuel odor					
		CL	@14': CLAY, same as at 10'					



NOTES: Vapor Extraction Well

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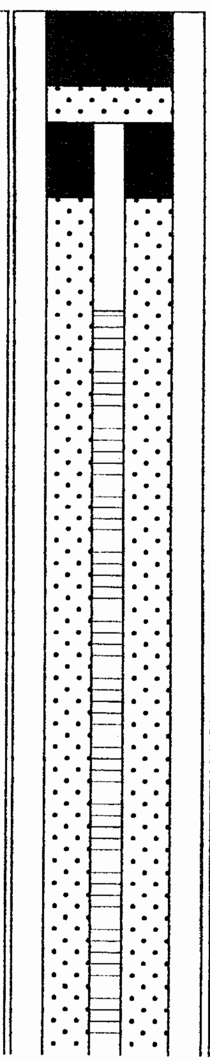
FIELD BOREHOLE LOG

BOREHOLE NO.: **VE-13**

TOTAL DEPTH: **14'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Consolidated Testing**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.020"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**J. Teves**	METHOD OF DRILLING:	**8" Hollow Stem Auger**
PROJECT MANAGER:	**J. Teves**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**1/14/04**	GRAVEL PACK:	**#3 Sand**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	SAMP. #	Blows / ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0			CLAY:					concrete plug
								seal
-5		CL	@5': CLAY, green w/ orange, high strength, sparse pebbles up to 1/2", strong fuel odor	VE-13@5'				
								#3 sand
-10		CL	@10': CLAY, green, soft, strong fuel odor					
		CL	@14': CLAY, gravel-rich, pebbles up to 1/2", strong fuel odor					



NOTES: Vapor Extraction Well

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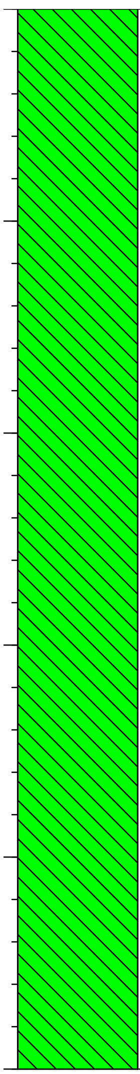
FIELD BOREHOLE LOG

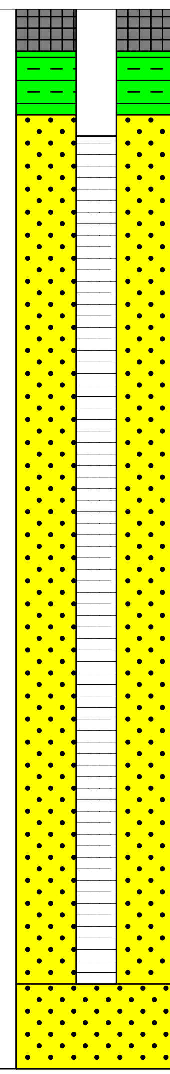
BOREHOLE NO.: **MW-1R**

TOTAL DEPTH: **25'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Gregg Drilling**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**0.010"**
JOB NO.:	**A51-01.03**	CASING TYPE:	**2" Sch. 40 PVC**
LOGGED BY:	**R. Ratilainen**	METHOD OF DRILLING:	**10" Hollow Stem Auger**
PROJECT MANAGER:	**R. Ratilainen**	SAMPLING METHOD:	**California split spoon**
DATES DRILLED:	**08/09/07**	GRAVEL PACK:	**#2 Sand**

DEPTH	SOIL SYMBOLS	USCS	BLOW COUNTS PER 6"	SOIL DESCRIPTION	MOISTURE	SAMPLE INTERVAL	OVA (PPM)	BORING COMPLETION	WELL DETAILS
0									concrete
									seal
-5		CL		@5': CLAY, green, pebbles up to 1", strong fuel odor					
-10		CL		@10': CLAY, coarse-grained sand, pebbles up to 1/2", plastic, strong fuel odor					#2 sand
-15		CL		@15': CLAY, coarse-grained sand, pebbles up to 3/4", green w/ orange, strong fuel odor					
-20		CL		@20': CLAY, brown & green, very coarse-grained sand, mild fuel odor					
-25		CL		@25': CLAY, brown, pebbles up to 1/4", high strength, no odor					





NOTES: Replacement for well drilled in 2004. Soil logged by J. Teves.

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FIELD BOREHOLE LOG

BOREHOLE NO.: **DP-1**

TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Gregg Drilling**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**NA**
JOB NO.:	**A51-01.03**	CASING TYPE:	**NA**
LOGGED BY:	**R. Ratilainen**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**R. Ratilainen**	SAMPLING METHOD:	**Direct Push**
DATES DRILLED:	**08/09/07**	GRAVEL PACK:	**Backfilled**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	MOISTURE	OVA (PPM)	BORING COMPLETION	WELL DETAILS
0			concrete: Concrete and Rock Base				concrete
			CLAY AND SILT: Dark brown, 55% clay, 45% silt, moist, high plasticity				Native Backfill
		CMH					
		CMH	CLAY AND SILT: Greenish grey, 45% silt, 45% clay, 10% fine grained sand, moist, high plasticity, strong petroleum odor				
-5					500		
		CMH	CLAY AND SILT: Greenish grey, 45% silt, 45% clay, 10% fine to coarse grained sand, moist, high plasticity, strong petroleum odor				
		ML	SANDY SILT: Greenish grey, 45% silt,35% clay,15% f-c grained sand,5% sub rounded gravel max size of 0.5", moist, medium to low plasticity, strong petroleum odor		275		
			CLAY AND SILT: Light brown, 55% silt, 45% clay, wet, high plasticity				
-10							Grout Backfill
		MCH			20		
-15							
					25		

NOTES:

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FIELD BOREHOLE LOG

BOREHOLE NO.: **DP-2**
TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Gregg Drilling**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**NA**
JOB NO.:	**A51-01.03**	CASING TYPE:	**NA**
LOGGED BY:	**R. Ratilainen**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**R. Ratilainen**	SAMPLING METHOD:	**Direct Push**
DATES DRILLED:	**08/09/07**	GRAVEL PACK:	**Backfilled**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	MOISTURE	OVA (PPM)	BORING COMPLETION	WELL DETAILS
0			concrete: Concrete and Rock Base				concrete
		CMH	CLAY AND SILT: Dark brown, 55% clay, 45% silt, moist, high plasticity				Native Backfill
		MCH	CLAY AND SILT: Greenish grey, 50% silt, 35% clay, 15% fine grained sand, moist, high plasticity, strong petroleum odor				
-5		SMH	CLAY AND SILT: Greenish grey, 50% silt, 25% clay, 20% f-c grained sand, trace gravel 0.5", wet, m plasticity, strong petroleum odor		520		
					332		
		ML	SANDY SILT: Light Brown, 70% silt,15% clay,10% f-c grained sand,5% sub rounded 0.5" gravel, moist, medium plasticity				
-10		SML	SANDY SILT: Brown, 50% silt,20% f-c grained sand,20% sub rounded gravel max size of 1",10% clay, wet, low plasticity				Grout Backfill
		MCH	CLAY AND SILT: Light brown, 55% silt, 45% clay, wet, high plasticity				
					35		
-15							
					20		

NOTES:

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FIELD BOREHOLE LOG

BOREHOLE NO.: **DP-3**
TOTAL DEPTH: **16'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Alaska Gasoline Company**	DRILLING CO.:	**Gregg Drilling**
SITE LOCATION:	**Oakland**	SLOT SIZE:	**NA**
JOB NO.:	**A51-01.03**	CASING TYPE:	**NA**
LOGGED BY:	**R. Ratilainen**	METHOD OF DRILLING:	**Direct Push**
PROJECT MANAGER:	**R. Ratilainen**	SAMPLING METHOD:	**Direct Push**
DATES DRILLED:	**08/09/07**	GRAVEL PACK:	**Backfilled**

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	MOISTURE	OVA (PPM)	BORING COMPLETION	WELL DETAILS
0			concrete: Rock Base				
		CMH	CLAY AND SILT: Brown, 55% clay, 45% silt, moist, high plasticity				Native Backfill
		MCL	CLAY AND SILT: Greenish grey, 35% silt, 30% clay, 25% fine grained sand, 10% 0.5" gravel, moist, medium plasticity, strong odor				
		ML	CLAY AND SILT: Light Brown, 60% silt, 20% clay, 20% fine to medium grained sand, wet, medium plasticity				
-5					375		
					8.6		
		ML	SANDY SILT: Light Brown, 75% silt, 20% clay, 5% fine grained sand, wet, medium plasticity				
-10							Grout Backfill
					12.5		
-15							
					6.2		

NOTES:

APPENDIX E

Supplementary Site Specific Documents

USGS **Berkeley, California, United States** 27 Feb 2004

0 25 m   0 25 yd

Image courtesy of the U.S. Geological Survey

The EDR Aerial Photo Decade Package

Alaska Gasoline
6211 San Pablo Avenue
Oakland, CA 94608

Inquiry Number: 2189977.4

April 09, 2008

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Date EDR Searched Historical Sources:
Aerial Photography April 09, 2008

Target Property:
6211 San Pablo Avenue
Oakland, CA 94608

Year	***Scale***	***Details***	***Source***
1931	Aerial Photograph. Scale: 1"=266'	Flight Year: 1931	Fairchild
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1958	Aerial Photograph. Scale: 1"=555'	Flight Year: 1958	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	WSA
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS

INQUIRY #: 2189977.4

YEAR: 1931

= 266'

N


INQUIRY #: 2189977.4
YEAR: 1939
= 555'
N

INQUIRY #: 2189977.4

YEAR: 1946

= 655'

N


INQUIRY #: 2189977.4
YEAR: 1958
= 555'
N


INQUIRY #: 2189977.4
YEAR: 1965
= 333'
N

INQUIRY #: 2189977.4

YEAR: 1982

= 690'

N

INQUIRY #: 2189977.4

YEAR: 1993

= 666'

N

INQUIRY #: 2189977.4

YEAR: 1998

= 666'

N

Certified Sanborn® Map Report

Sanborn® Library search results
Certification # 0548-4C6F-8F2F

Alaska Gasoline
6211 San Pablo Avenue
Oakland, CA 94608

Inquiry Number 2189977.3s

April 10, 2008

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Certified Sanborn® Map Report

4/10/08

Site Name:
Alaska Gasoline
6211 San Pablo Avenue
Oakland, CA 94608

EDR Inquiry # 2189977.3s

Client Name:
HerSchy Environmental Inc.
40470 Live Oak Drive
Oakhurst, CA 93644-0000

Contact: Reijo Ratilainen

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by HerSchy Environmental Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Alaska Gasoline
Address: 6211 San Pablo Avenue
City, State, Zip: Oakland, CA 94608
Cross Street:
P.O. # A51-01
Project: Alaska Gasoline
Certification # 0548-4C6F-8F2F

Maps Identified - Number of maps indicated within "( )"

1969 (1)
1967 (1)
1952 (1)
1951 (1)
1911 (1)
1903 (1)

Total Maps: 6

Sanborn® Library search results
Certification # 0548-4C6F-8F2F

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F

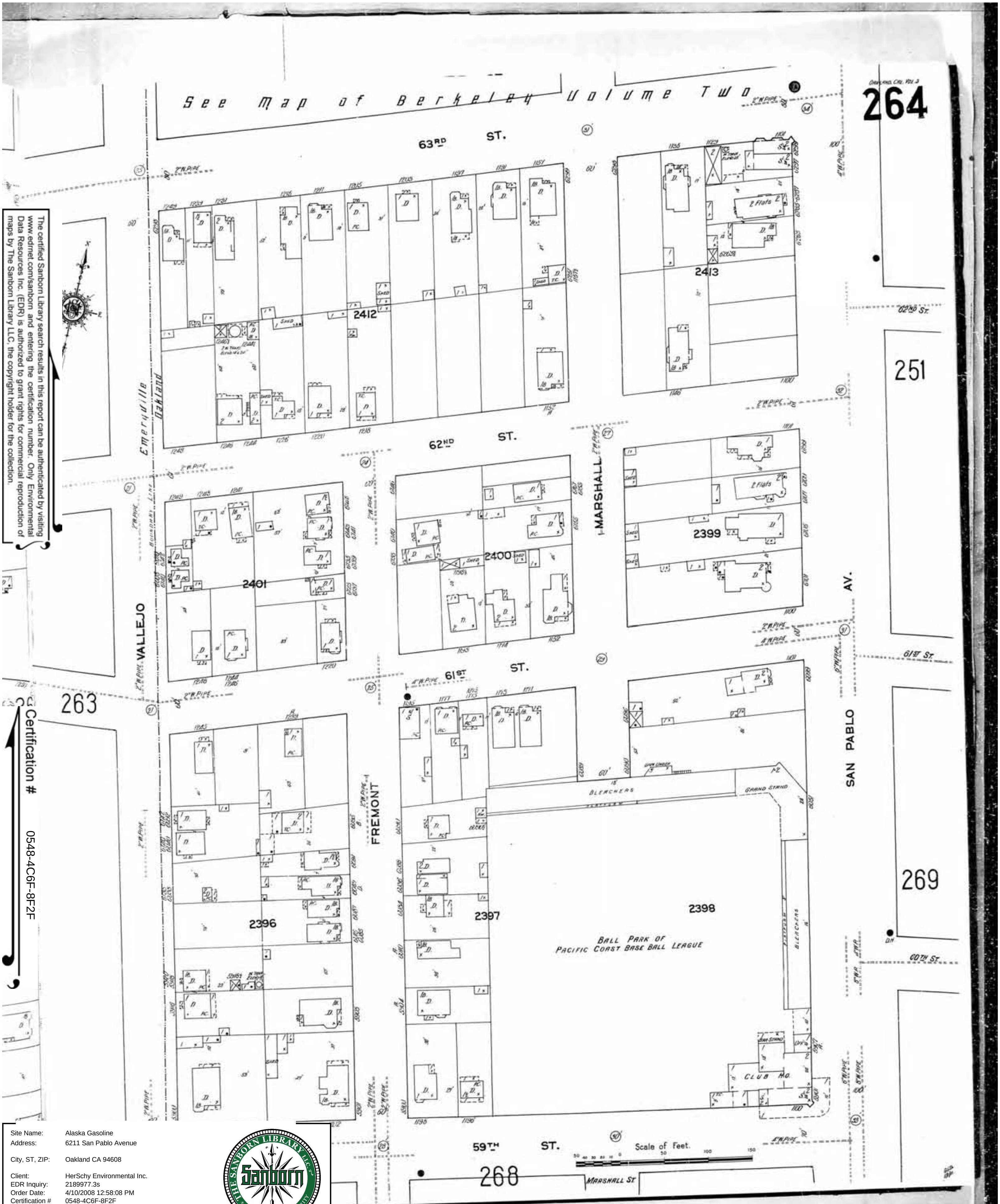
Certification # 0548-4C6F-8F2F

Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F

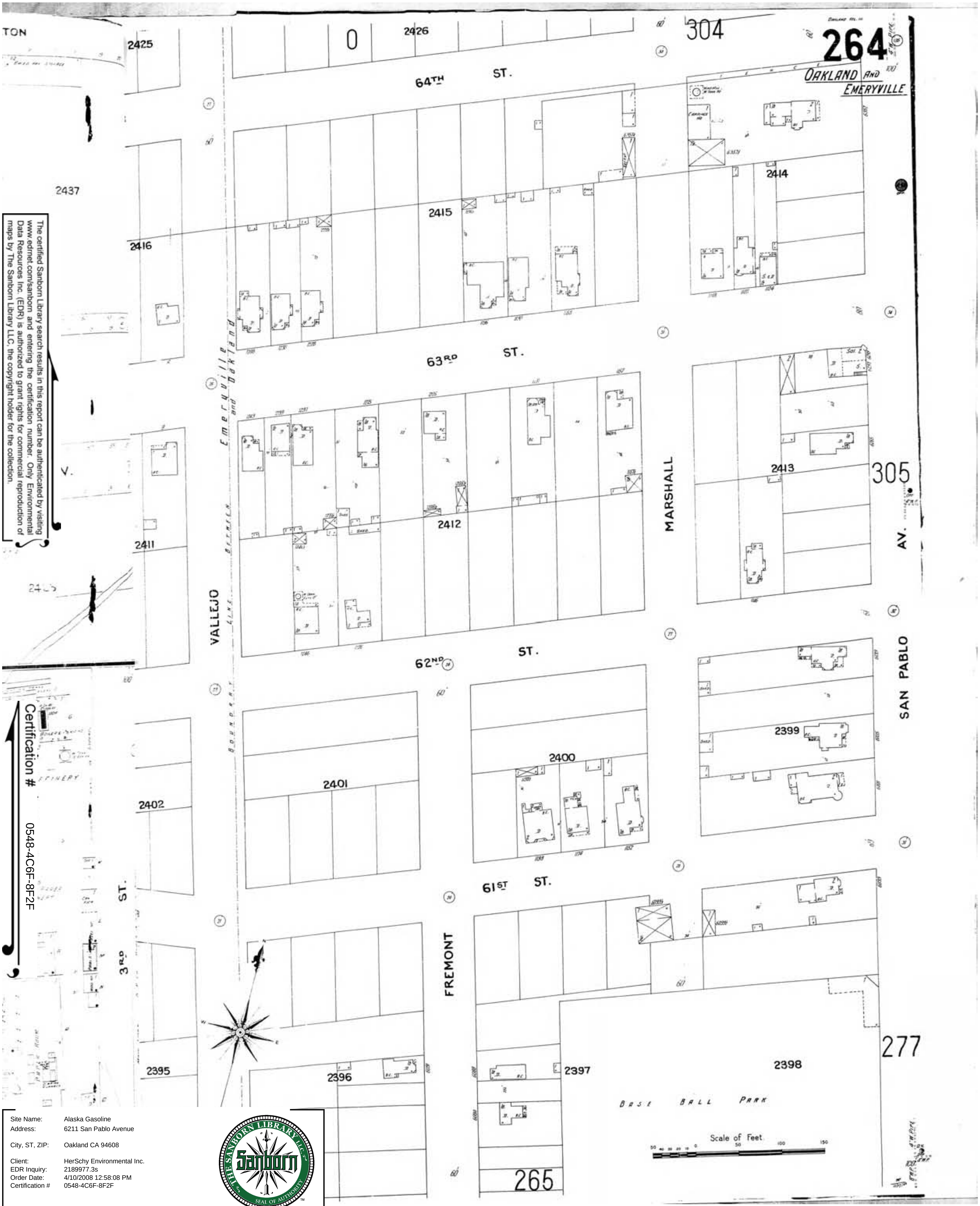
Certification # 0548-4C6F-8F2F

Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F
Copyright:	1952

Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F



Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F



Site Name:	Alaska Gasoline
Address:	6211 San Pablo Avenue
City, ST, ZIP:	Oakland CA 94608
Client:	HerSchy Environmental Inc.
EDR Inquiry:	2189977.3s
Order Date:	4/10/2008 12:58:08 PM
Certification #	0548-4C6F-8F2F

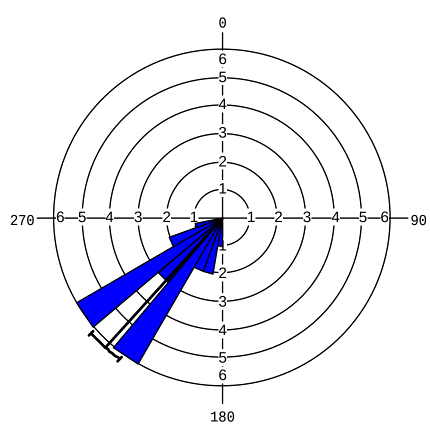
APPENDIX F

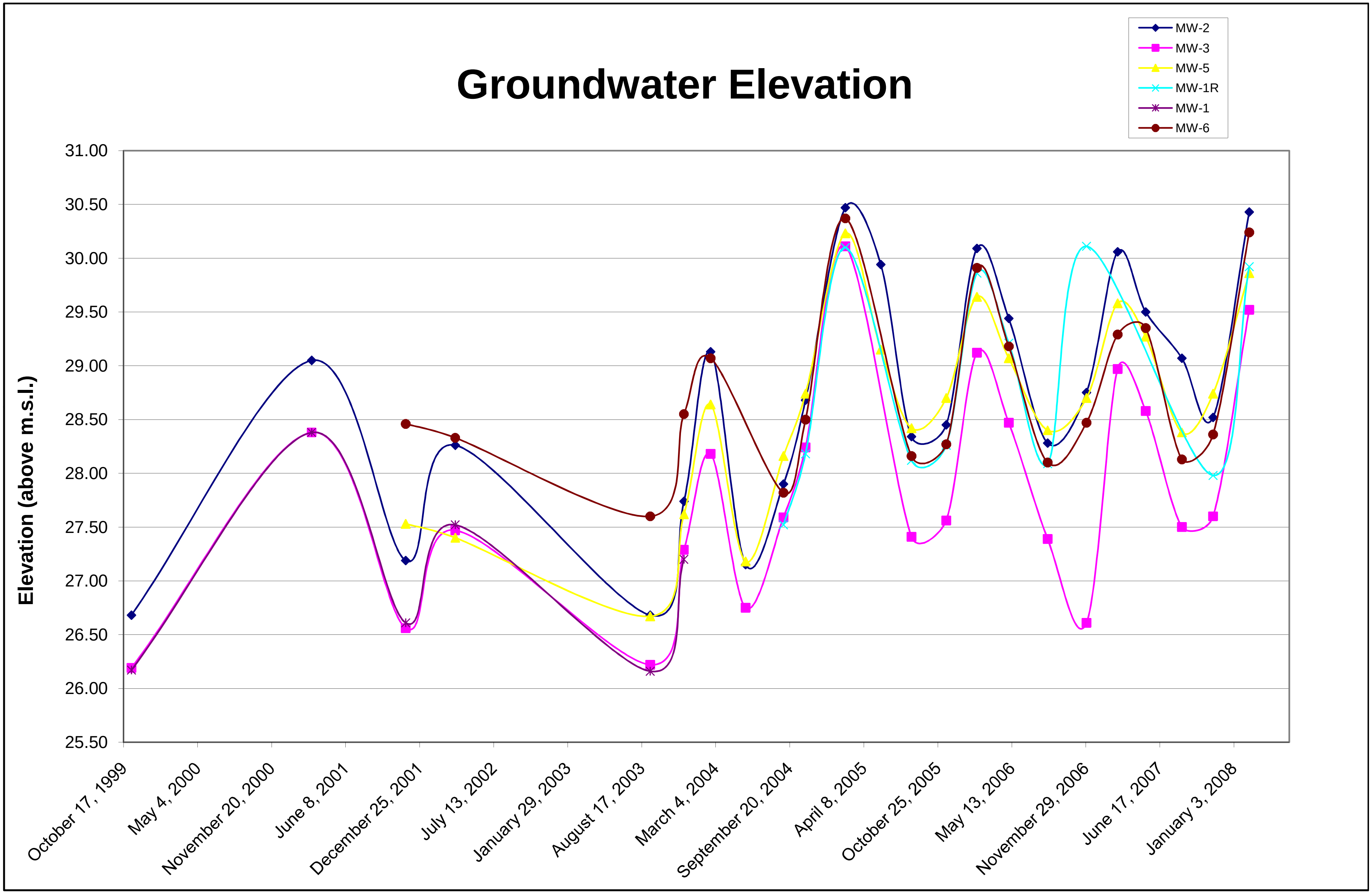
Historical Groundwater Data

5.0 - GROUNDWATER FLOW DATA WITH ROSE DIAGRAM

Groundwater Flow Direction and Gradient			
Date	**Flow Direction**	**Flow Direction (Degrees)**	**Gradient**
November 7, 1999	S. 52 W	232	0.0068
March 8, 2001	S. 39 W	219	0.0092
November 17, 2001	S. 50 W	230	0.0091
March 31, 2002	S. 26 W	206	0.0108
September 9, 2003	S. 50 W	230	0.0031
December 9, 2003	S. 50 W	230	0.0031
February 19-20, 2004	S. 42 W	222	0.0154
May 24-25, 2004	S. 71 W	251	0.0081
September 3, 2004	S. 55 W	235	0.0075
November 2, 2004	S. 63 W	243	0.0083
February 17, 2005	S. 55 W	235	0.0036
May 24 & 26, 2005	S. 16 W	196	0.0097 (Estimate)
August 15 & 17, 2005	S. 38 W	218	0.013
November 17, 2005	S. 35 W	215	0.010
February 8, 2006	S. 48 W	228	0.010
May 5, 2006	S. 28 W	208	0.013
August 18, 2006	S. 19 W	199	0.0125
December 1, 2006	S. 9 W	189	0.03
February 23, 2007	S. 39 W	219	0.012
May 10, 2007	S. 38 W	218	0.013
August 16, 2007	S. 49 W	229	0.022
November 8, 2007	S. 65 W	245	0.012
February 14, 2008	S. 37 W	217	0.013

Historical Groundwater Flow




Groundwater Elevation
MW-2
MW-3
MW-5
MW-1R
MW-1
MW-6
Elevation (above m.s.l.)
31.00
30.50
30.00
29.50
29.00
28.50
28.00
27.50
27.00
26.50
26.00
25.50
October 17, 1999
May 4, 2000
November 20, 2000
June 8, 2001
December 25, 2001
July 13, 2002
January 29, 2003
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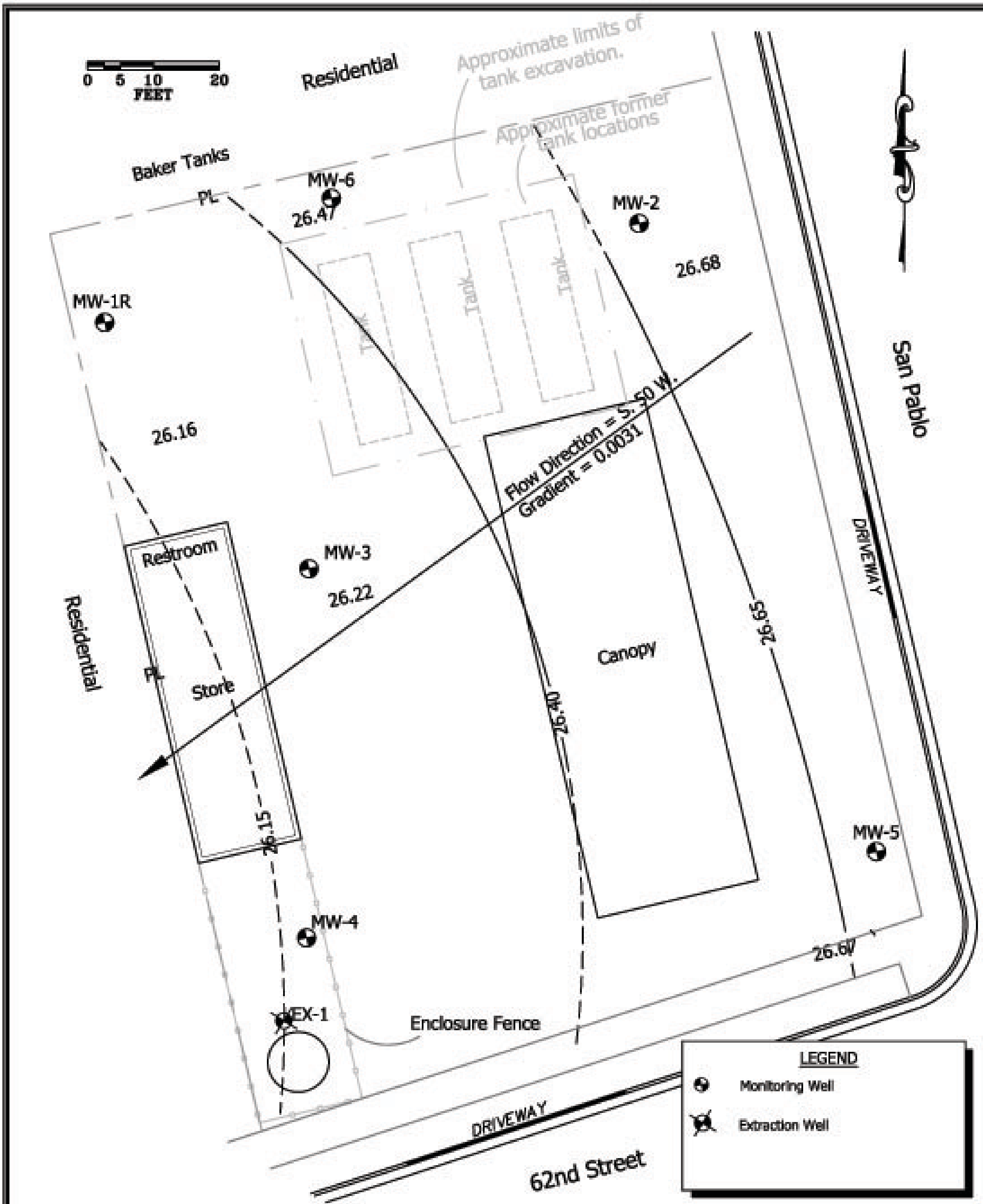
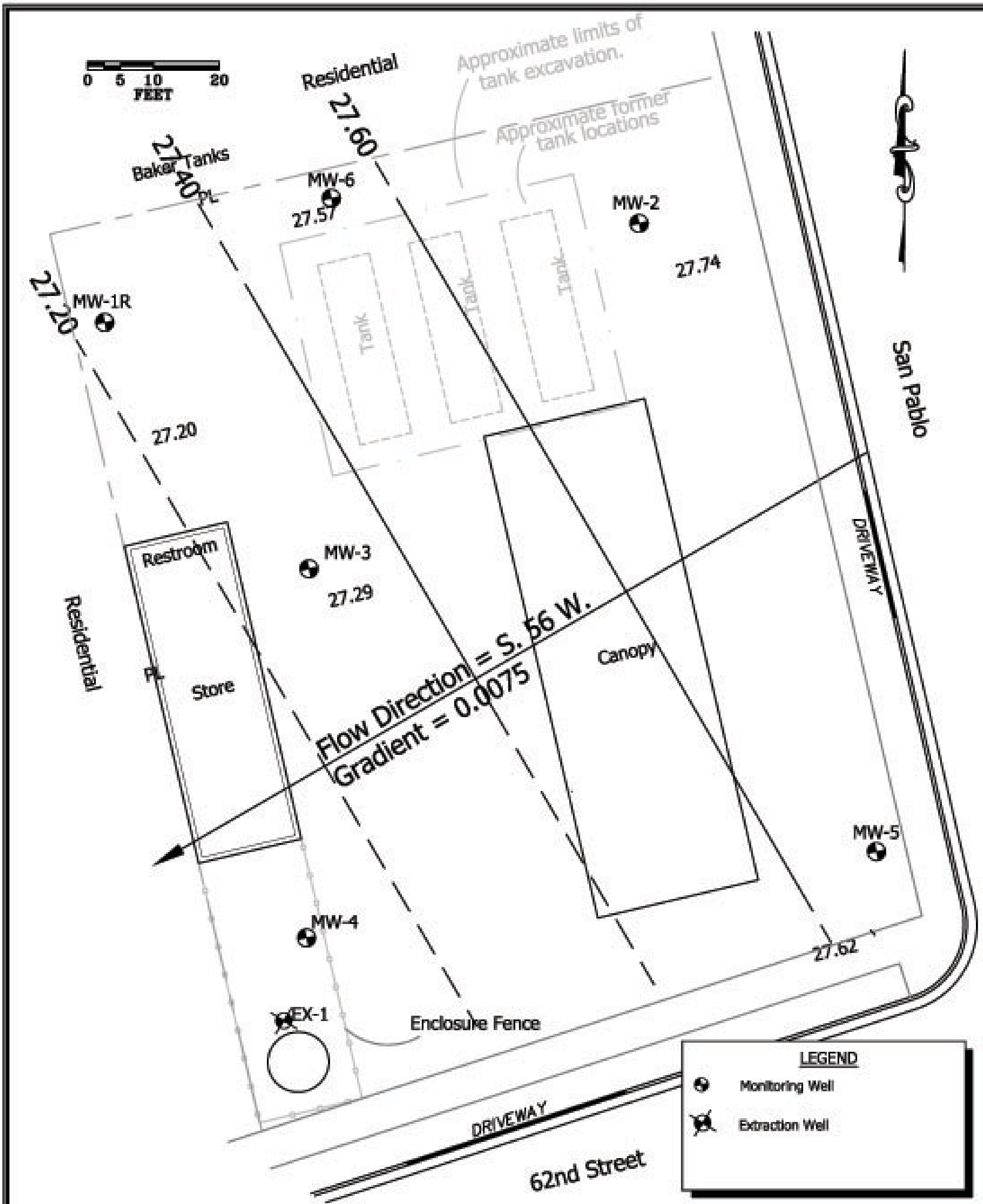
June 17, 2007
January 3, 2008



HerSchy Environmental, Inc. Environmental Consulting and Remediation P. O. Box 229 Bass Lake, California 93604-0229 Tel. (559) 641-7320, Fax (559) 641-7340	September, 2003 GROUNDWATER CONDITIONS ALASKA GASOLINE COMPANY 6211 San Pablo Avenue, Oakland, California	DATE: FILE NO.: A51-01 DRAWN BY: RER	FIGURE



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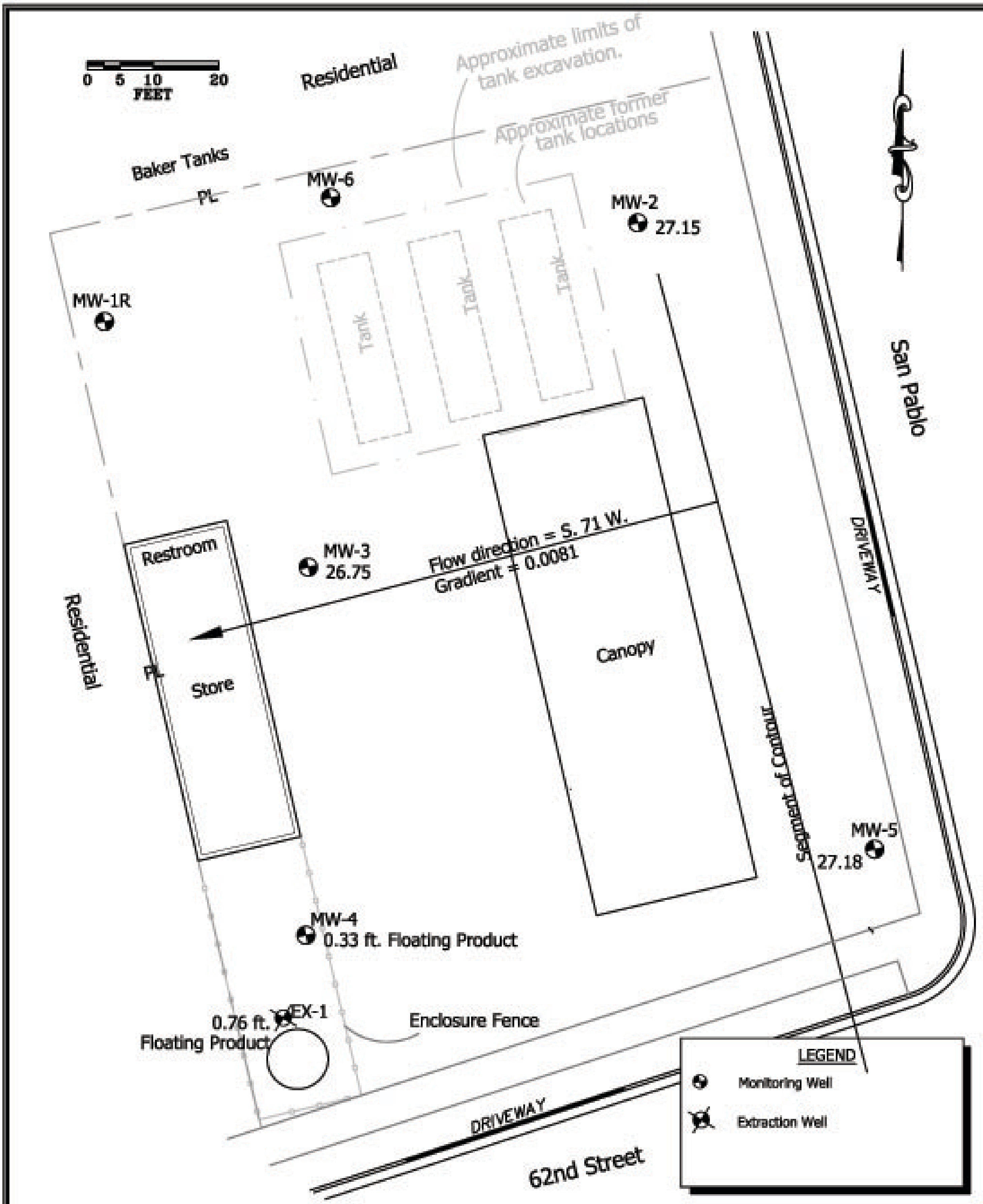
DEC., 2003 GROUNDWATER CONDITIONS

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	January 2004
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE



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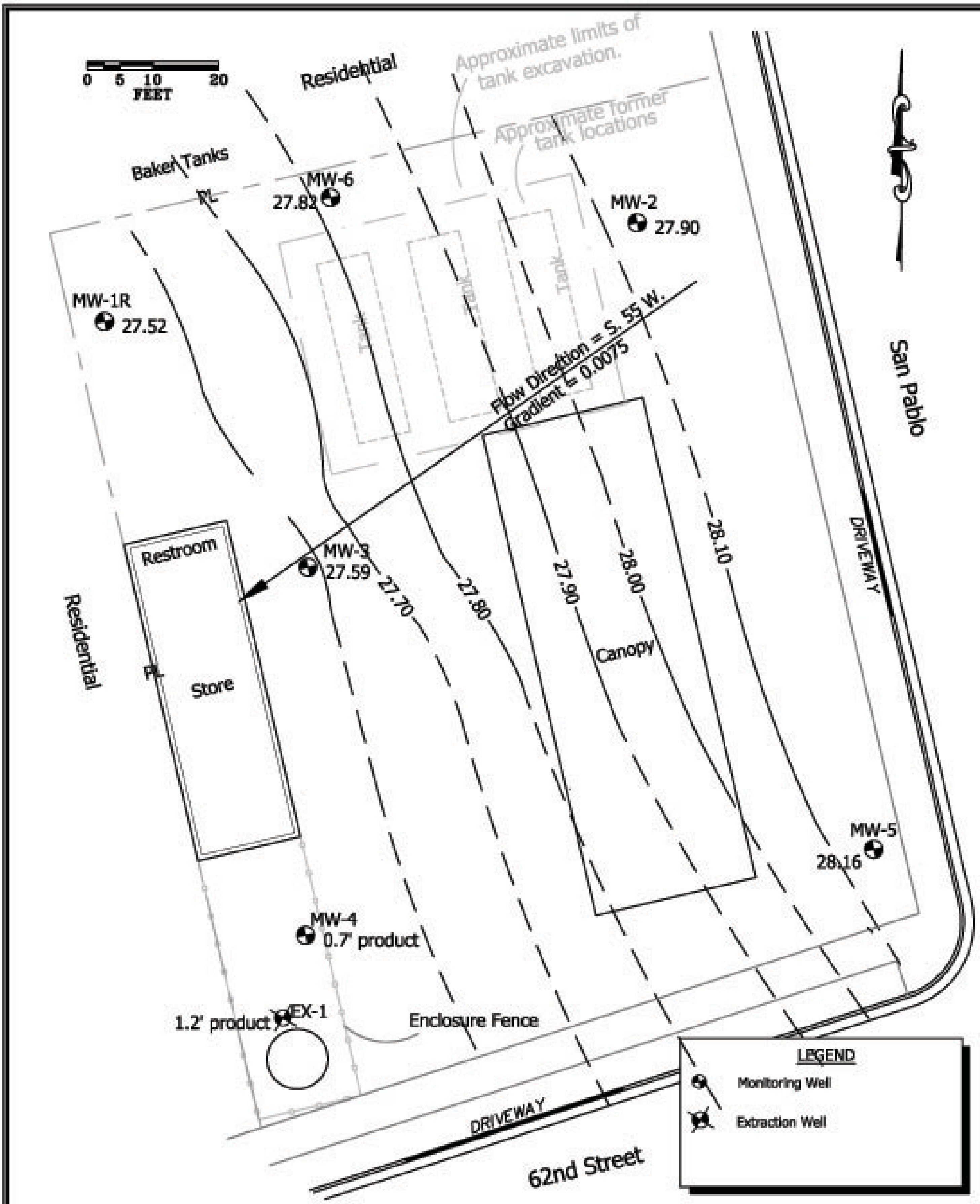
MAY, 2004 GROUNDWATER CONDITIONS
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: July 2004	FIGURE
FILE NO.: A51-01	
DRAWN BY: RER	



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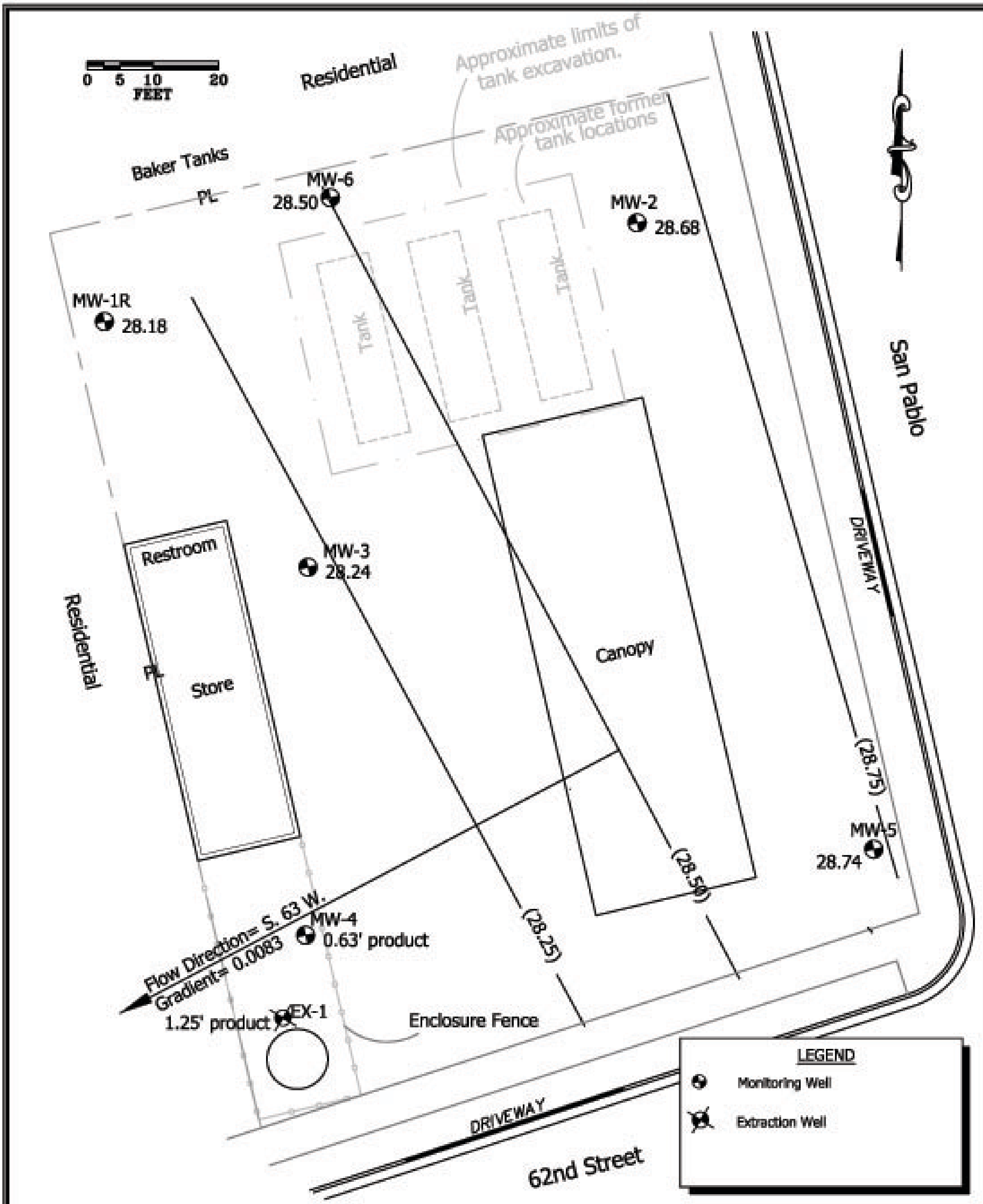
Sept., 2004 GROUNDWATER CONDITIONS
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: Sept. 2004
FILE NO.: A51-01
DRAWN BY: RER

FIGURE



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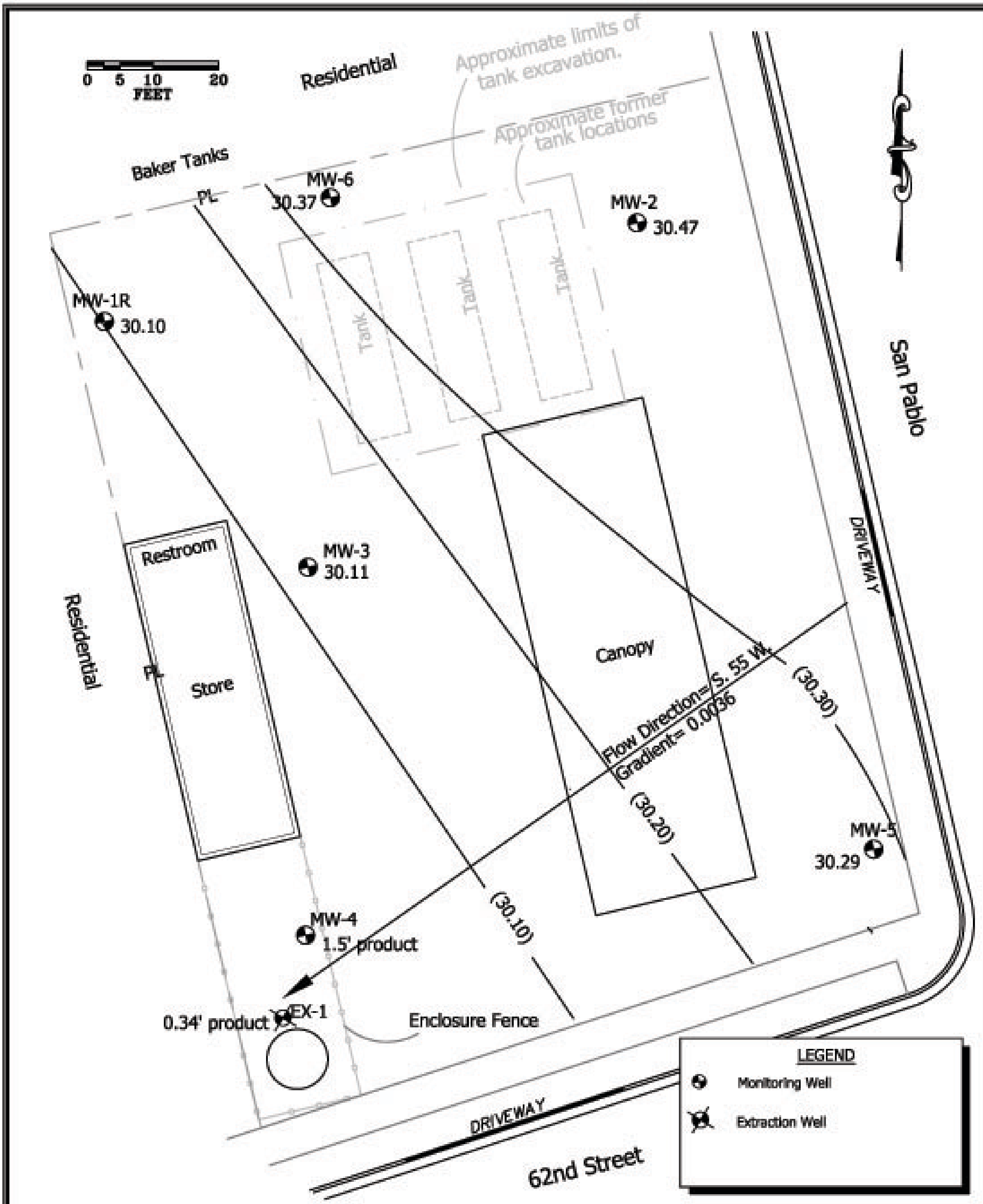
NOV., 2004 GROUNDWATER CONDITIONS
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	Dec. 2004
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE



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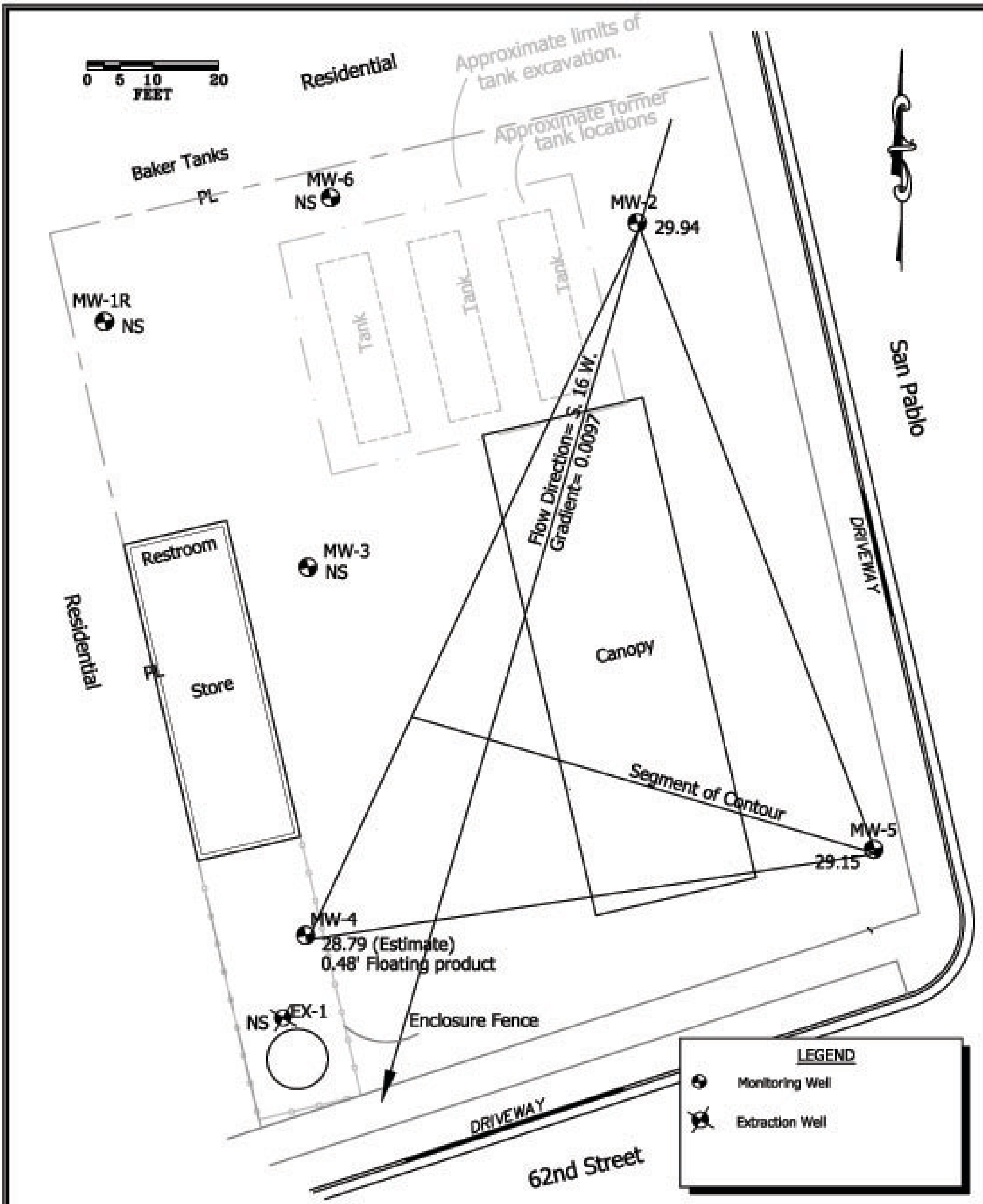
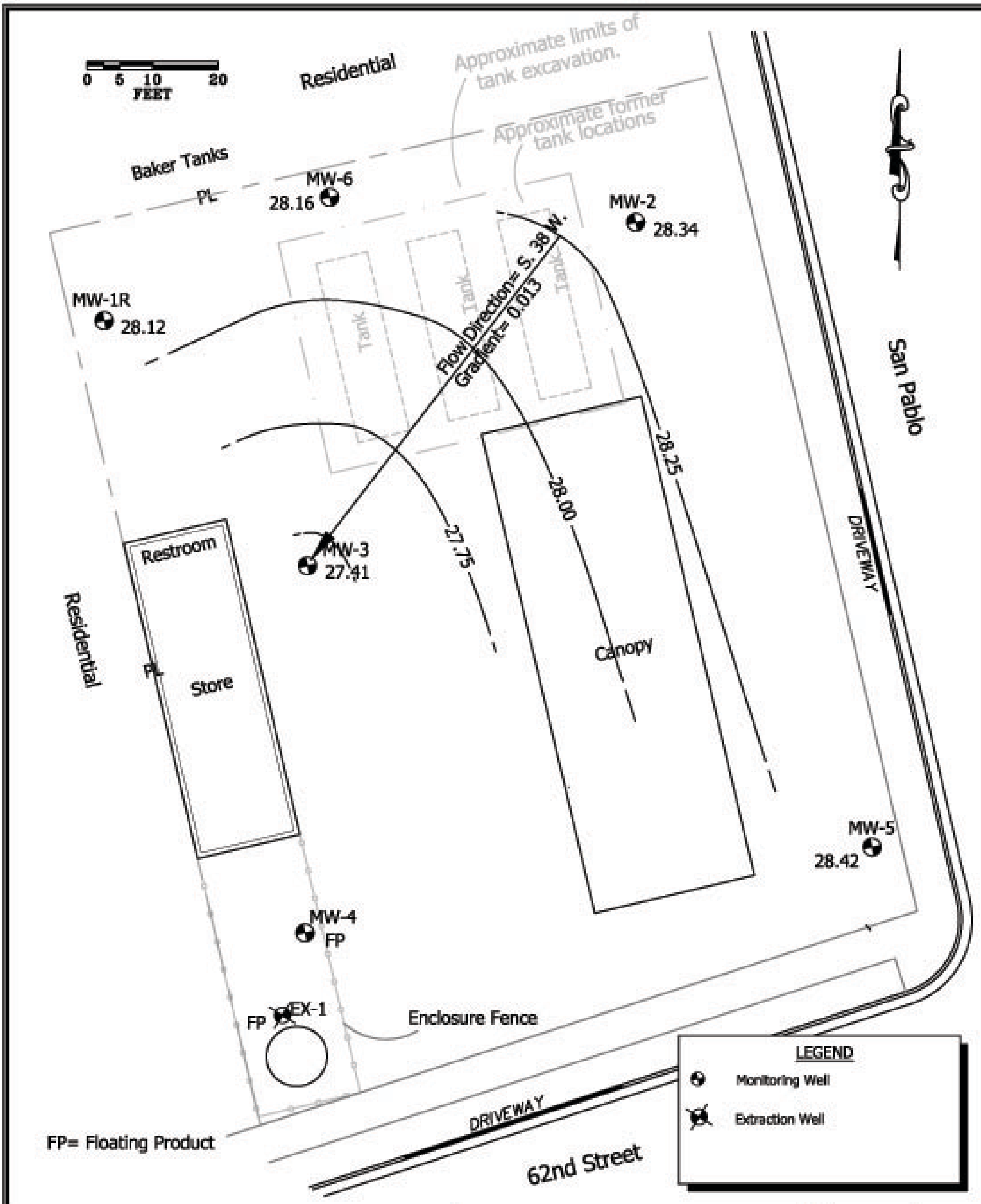
Feb., 2005 GROUNDWATER CONDITIONS
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

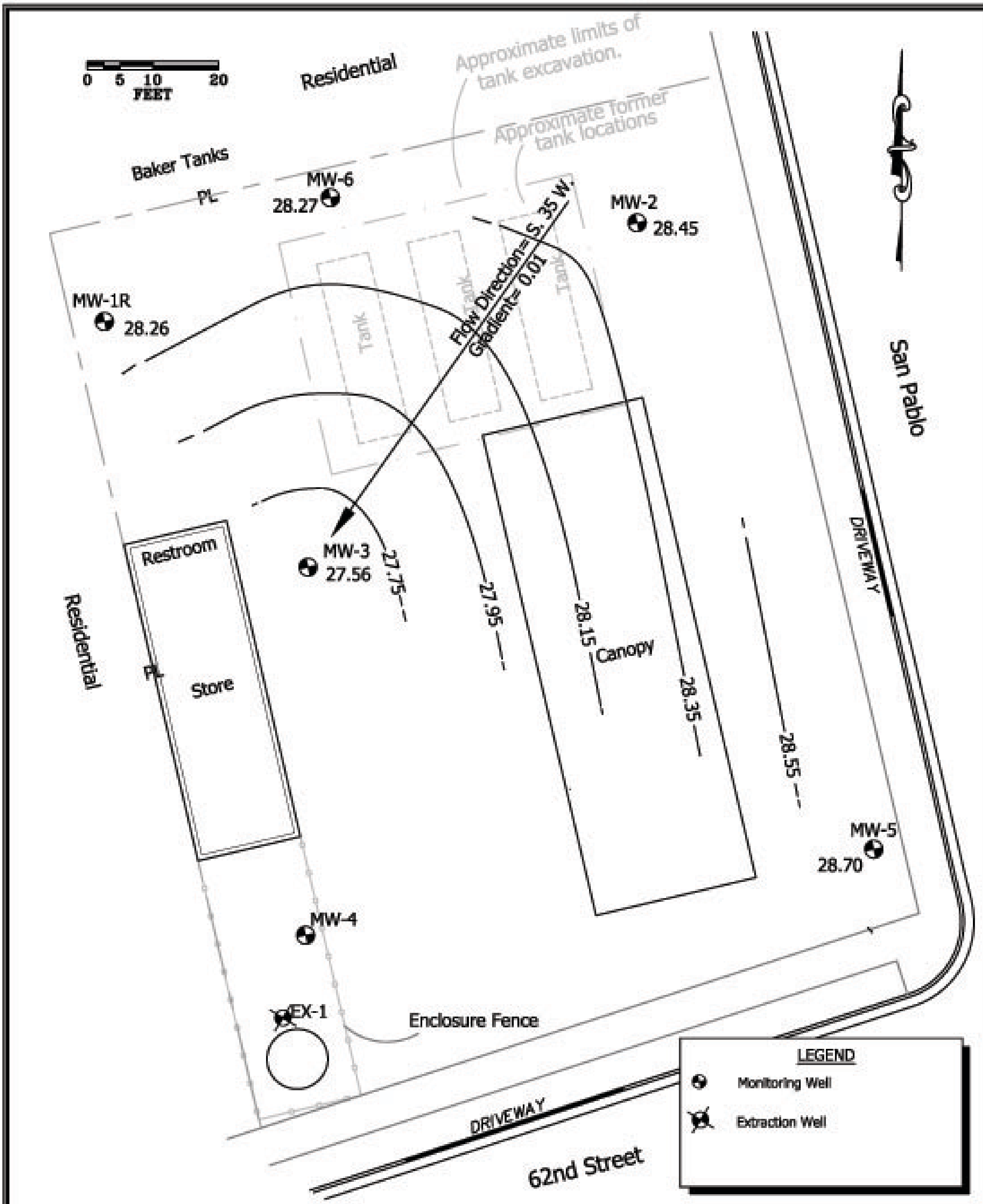
DATE: Feb. 2005	FIGURE
FILE NO.: A51-01	
DRAWN BY: RER	



HerSchy Environmental, Inc. Environmental Consulting and Remediation P. O. Box 229 Bass Lake, California 93604-0229 Tel. (559) 641-7320, Fax (559) 641-7340	MAY, 2005 GROUNDWATER CONDITIONS ALASKA GASOLINE COMPANY 6211 San Pablo Avenue, Oakland, California	DATE: September 2005 FILE NO.: A51-01 DRAWN BY: RER	FIGURE



HerSchy Environmental, Inc. Environmental Consulting and Remediation P. O. Box 229 Bass Lake, California 93604-0229 Tel. (559) 641-7320, Fax (559) 641-7340	AUGUST 2005 GROUNDWATER CONDITIONS ALASKA GASOLINE COMPANY 6211 San Pablo Avenue, Oakland, California	DATE: October 2005 FILE NO.: A51-01 DRAWN BY: RER	FIGURE



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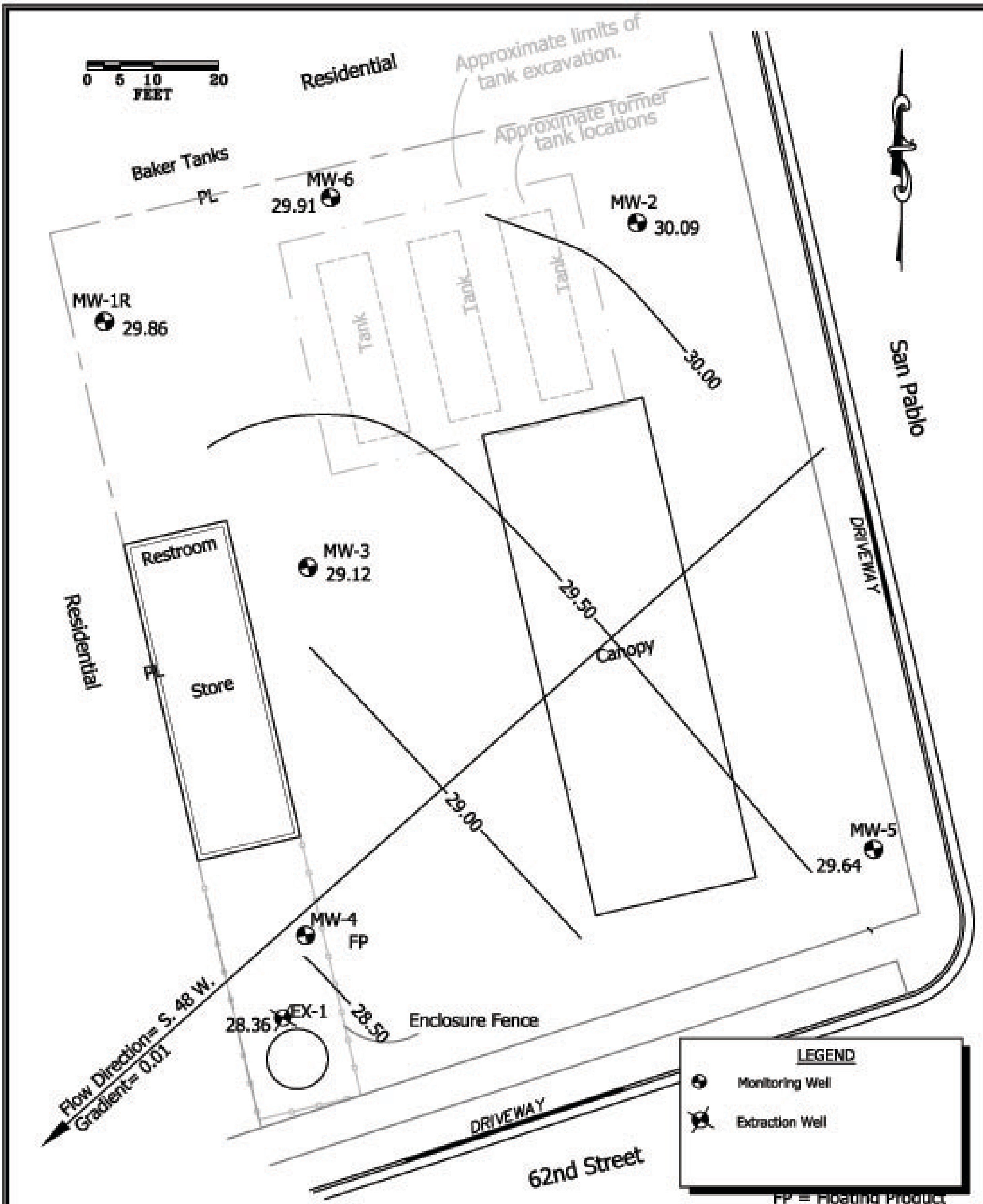
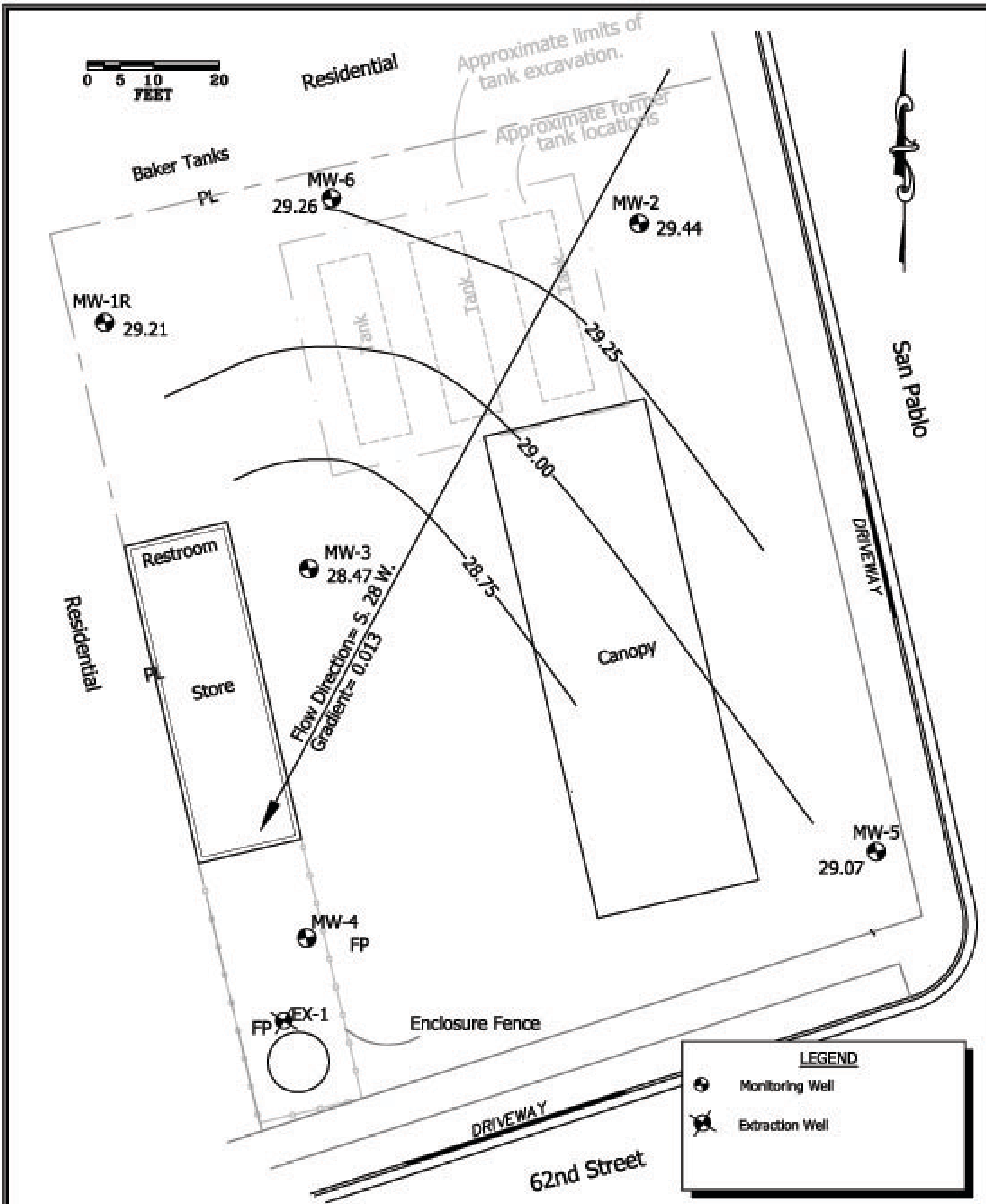
November, 2005 GROUNDWATER CONDITIONS
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	December 2005
FILE NO.:	A51-01
DRAWN BY:	RER
FIGURE	



HerSchy Environmental, Inc. Environmental Consulting and Remediation P. O. Box 229 Bass Lake, California 93604-0229 Tel. (559) 641-7320, Fax (559) 641-7340	FEBRUARY, 2006 GROUNDWATER CONDITIONS ALASKA GASOLINE COMPANY 6211 San Pablo Avenue, Oakland, California	DATE: May 2006 FILE NO.: A51-01 DRAWN BY: RER	FIGURE



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MAY, 2006 GROUNDWATER CONDITIONS

ALASKA GASOLINE COMPANY

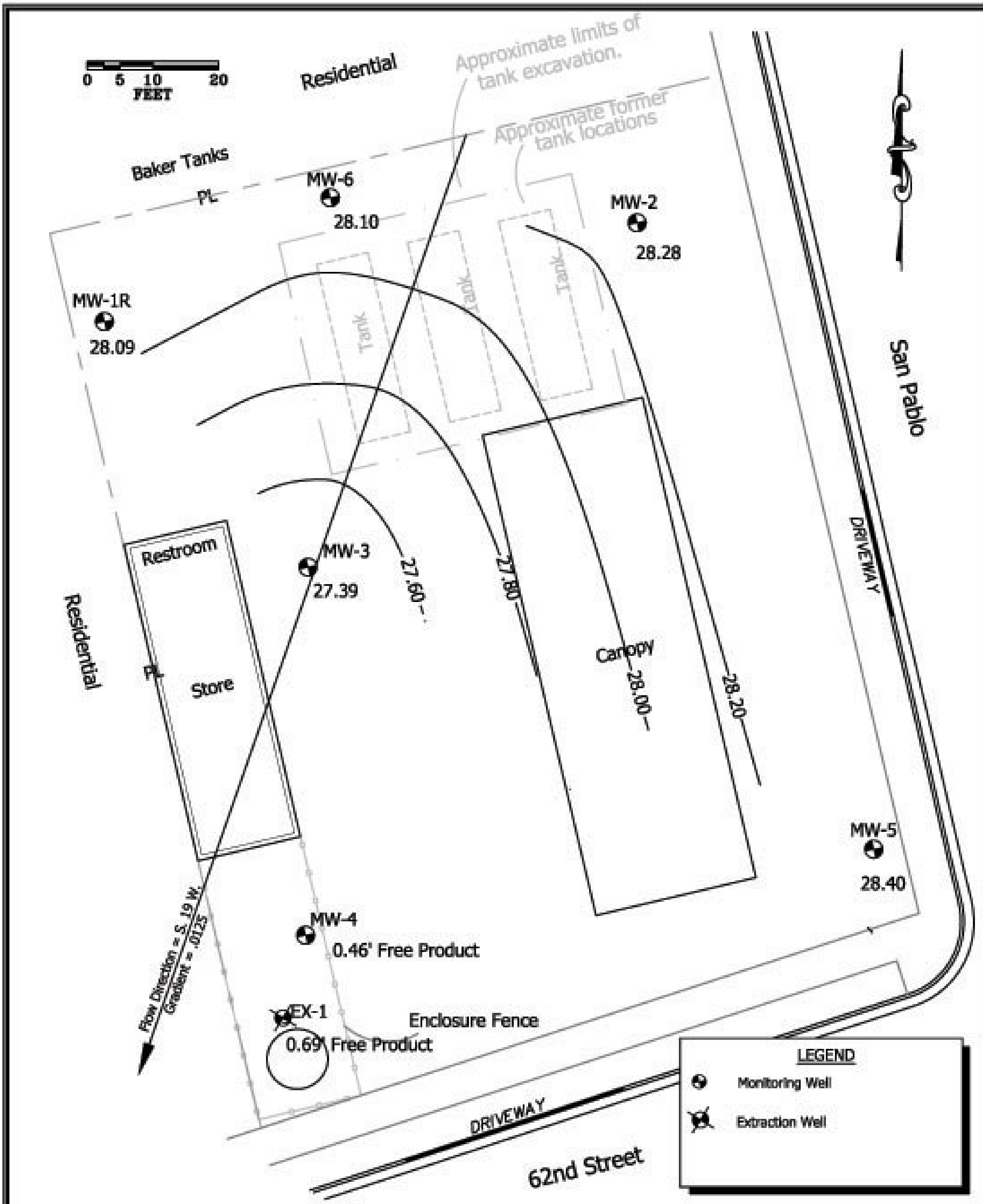
6211 San Pablo Avenue, Oakland, California

DATE: June 2006

FILE NO.: A51-01

DRAWN BY: RER

FIGURE



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Environmental Consulting and Remediation

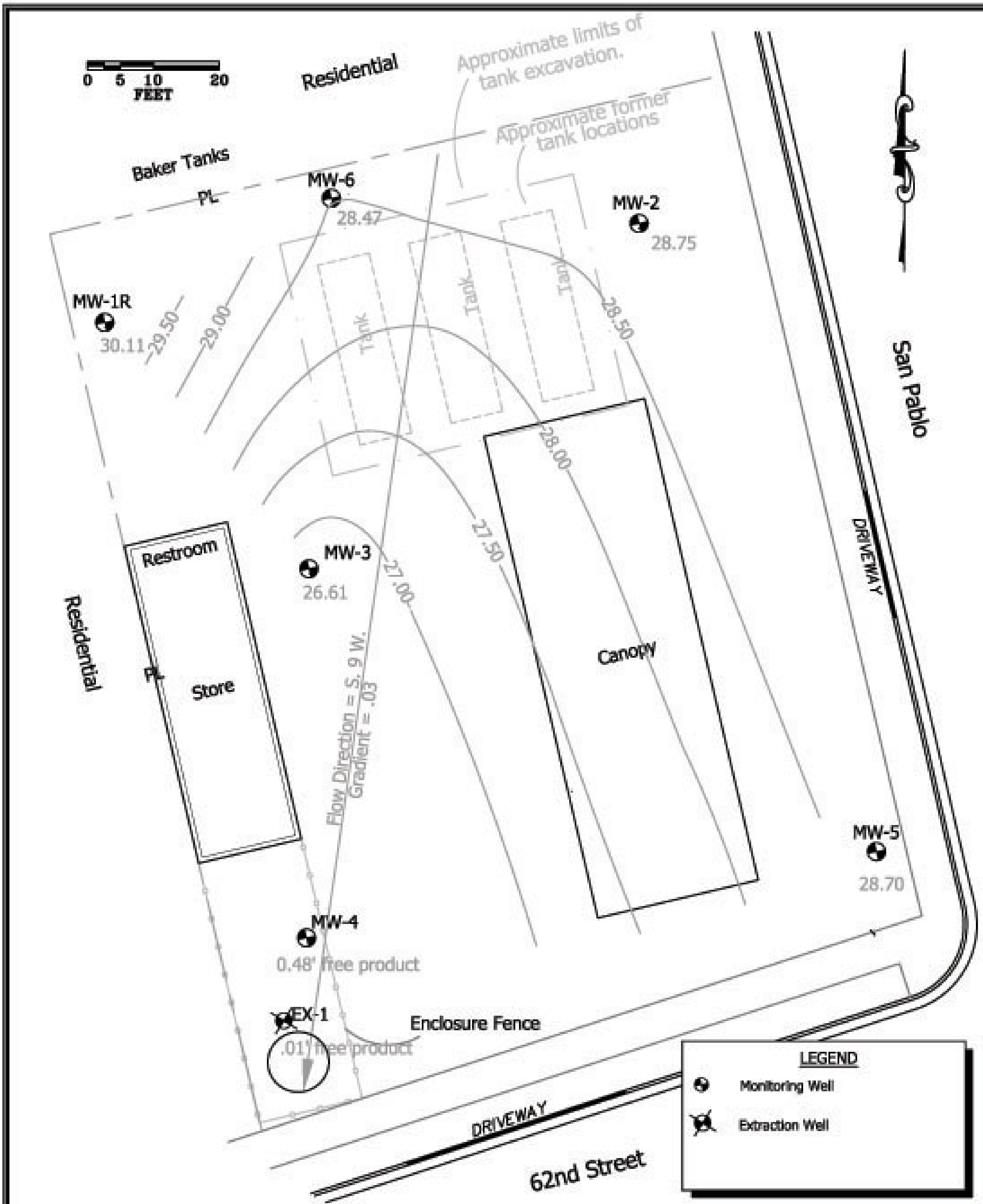
P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
August 2006
ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE: August 2006
FILE NO.: A51-01
DRAWN BY: RER

FIGURE



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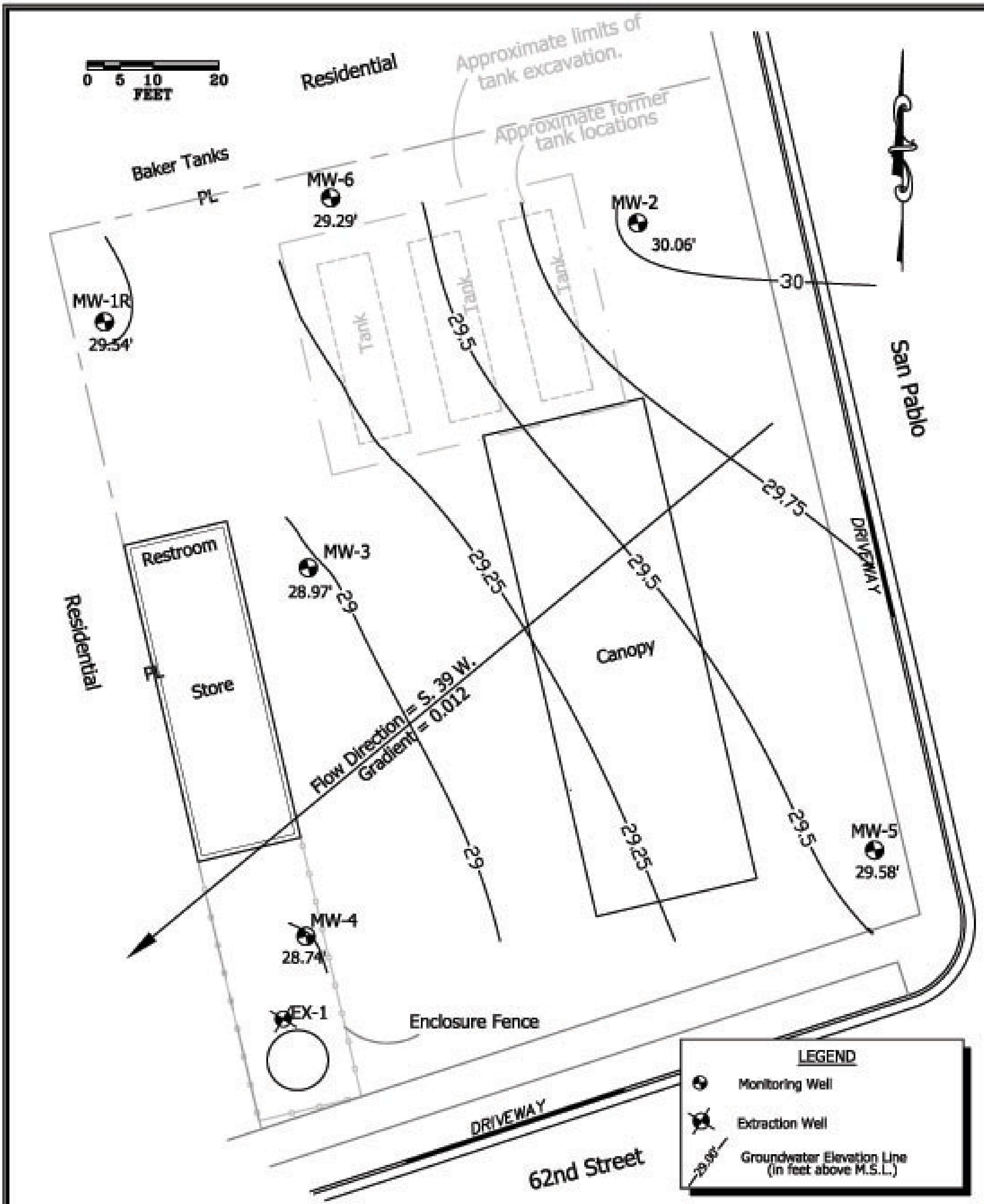
Environmental Consulting and Remediation
P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
December 2006
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: December 2006
FILE NO.: A51-01
DRAWN BY: RER
FIGURE

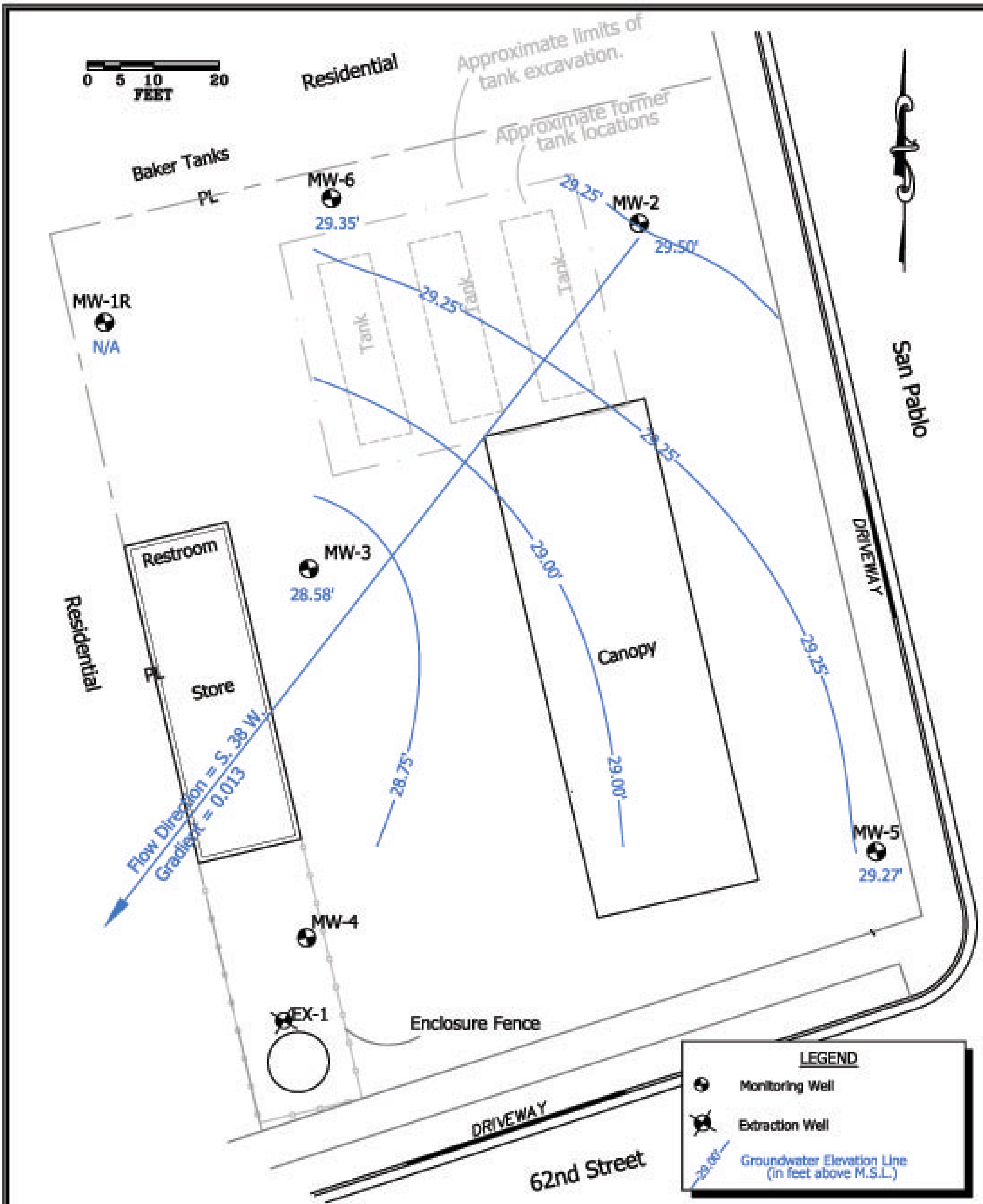


HerSchy Environmental, Inc.
Environmental Consulting and Remediation
P. O. Box 229
Bass Lake, California 93604-0229
Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
February 2007
ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	February 21, 2007	FIGURE
FILE NO.:	A51-01	
DRAWN BY:	RER	



HerSchy Environmental, Inc.

Environmental Consulting and Remediation

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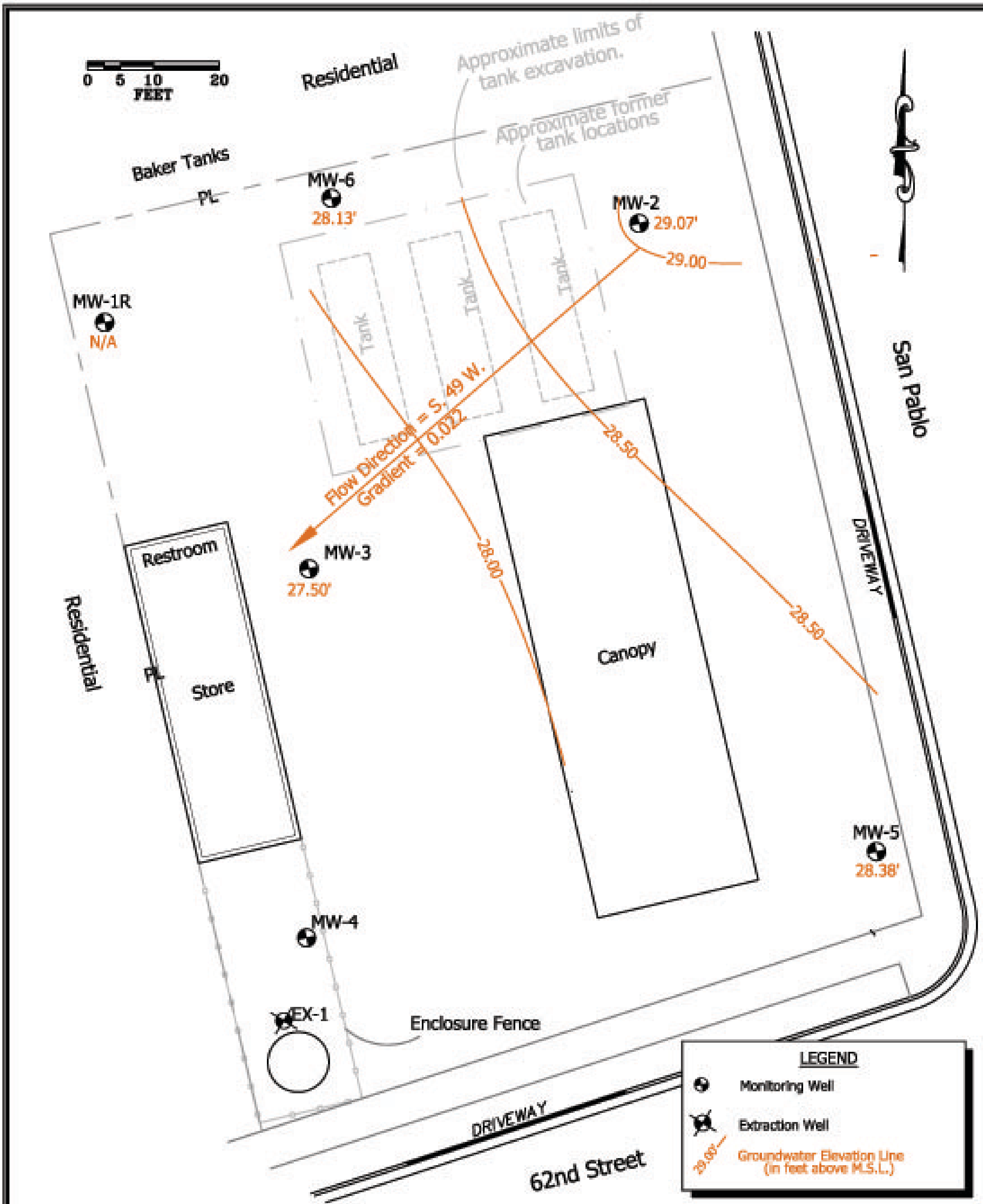
Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
May 2007
ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE: May 10, 2007	FIGURE
FILE NO.: A51-01	
DRAWN BY: RER	



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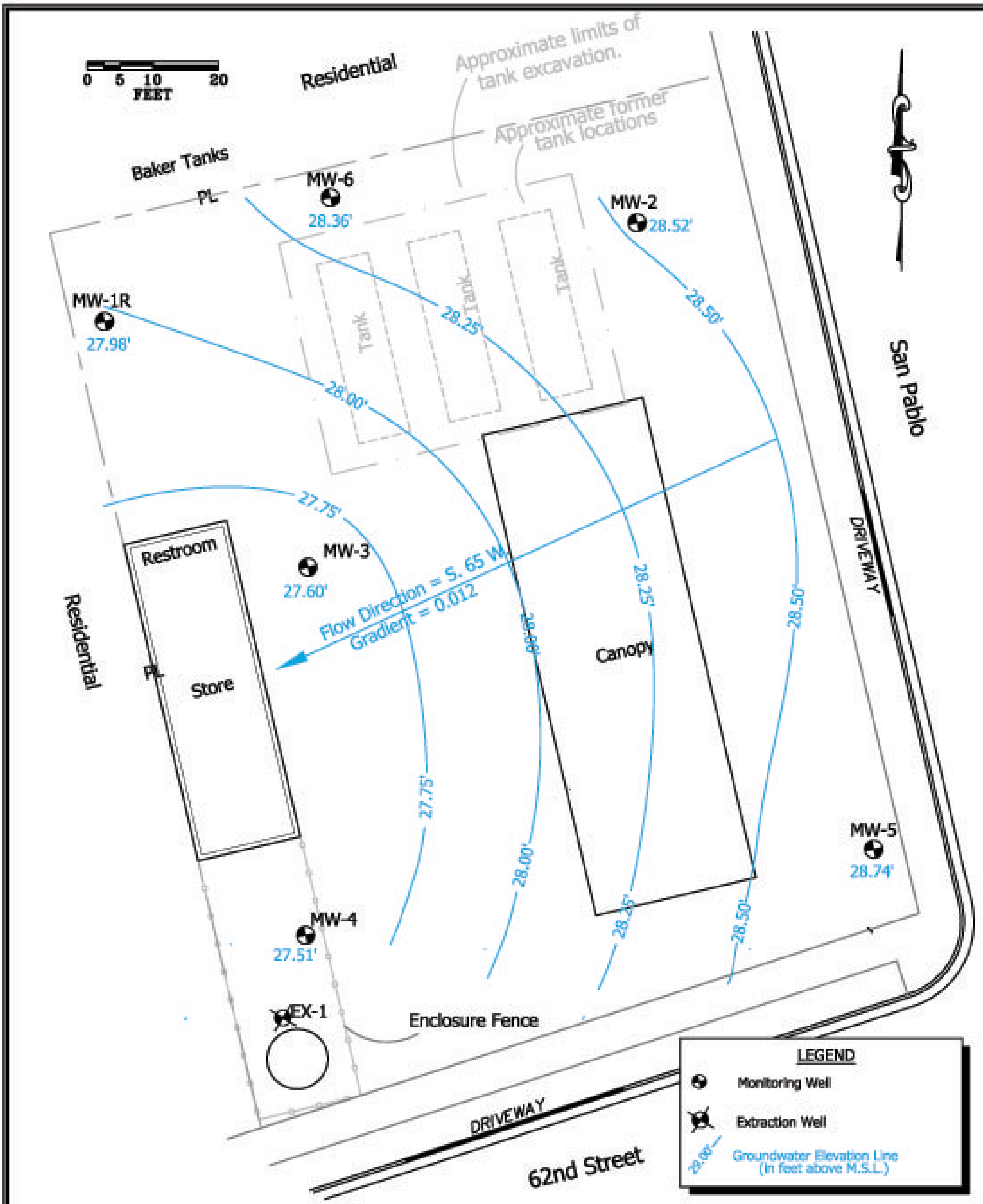
GROUNDWATER CONDITIONS
August 2007

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE: October 4, 2007
FILE NO.: A51-01
DRAWN BY: RER

FIGURE



HerSchy Environmental, Inc.
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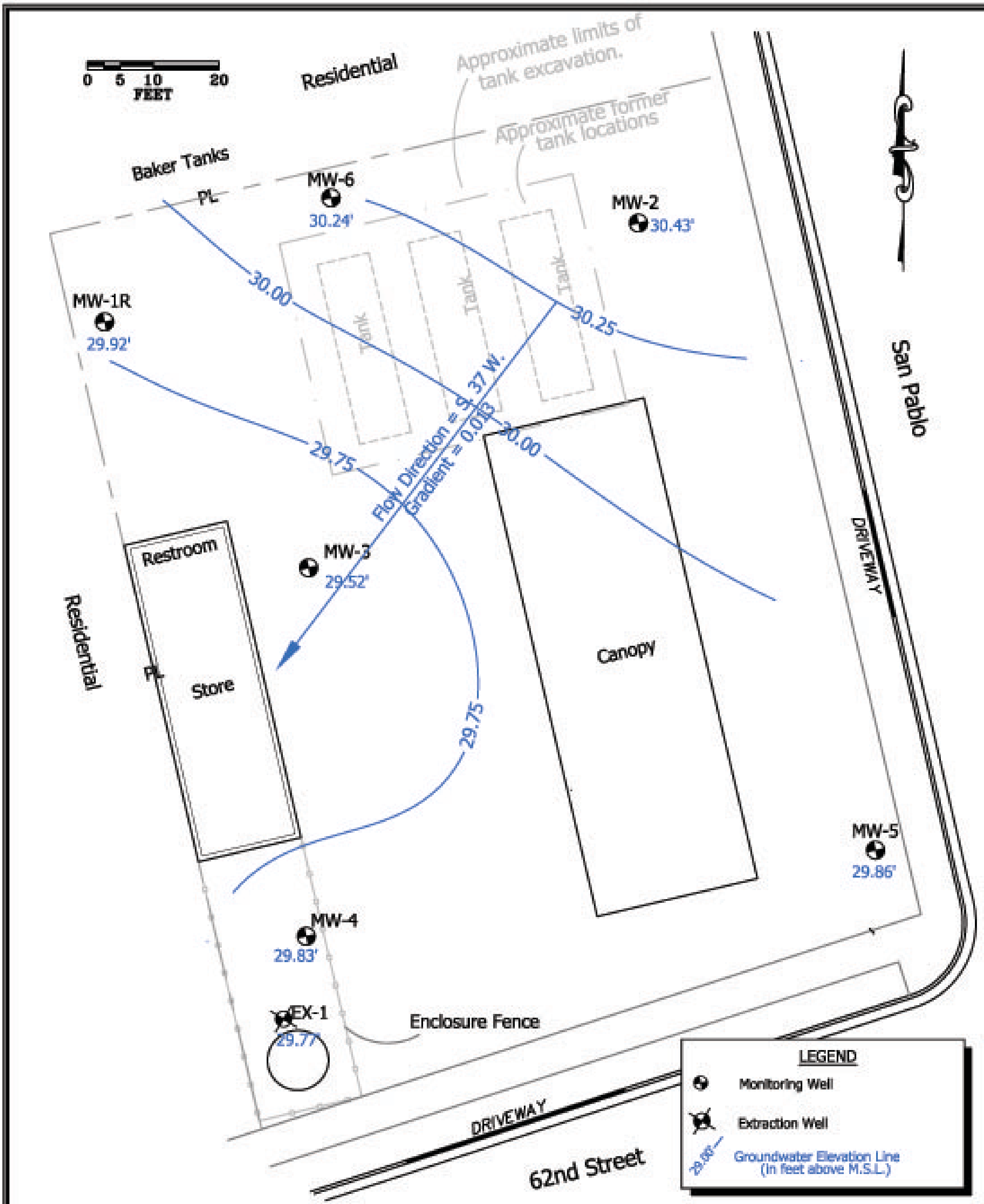
GROUNDWATER CONDITIONS
November 2007
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	December 3, 2007
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE



HerSchy Environmental, Inc.

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Tel. (559) 641-7320, Fax (559) 641-7340

GROUNDWATER CONDITIONS
February 2008

ALASKA GASOLINE COMPANY

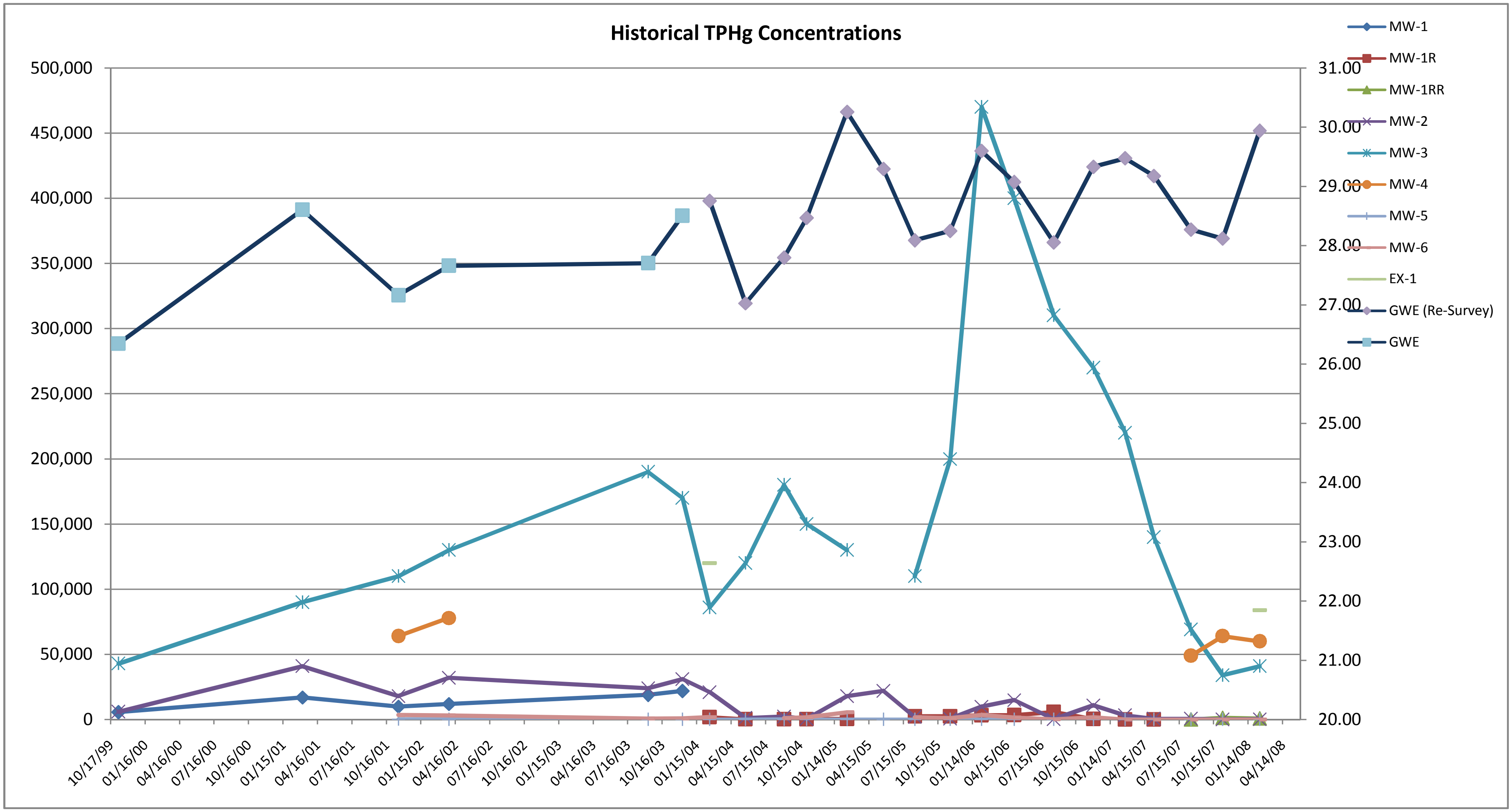
6211 San Pablo Avenue, Oakland, California

DATE:	March 21, 2008
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE

APPENDIX G

Historical TPHg Data



Historical TPHg Concentrations
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
31.00
30.00
29.00
28.00
27.00
26.00
25.00
24.00
23.00
22.00
21.00
20.00
10/17/99
01/16/00
04/16/00
07/16/00
10/16/00
01/15/01
04/16/01
07/16/01
10/16/01
01/15/02
04/16/02
07/16/02
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07/16/03
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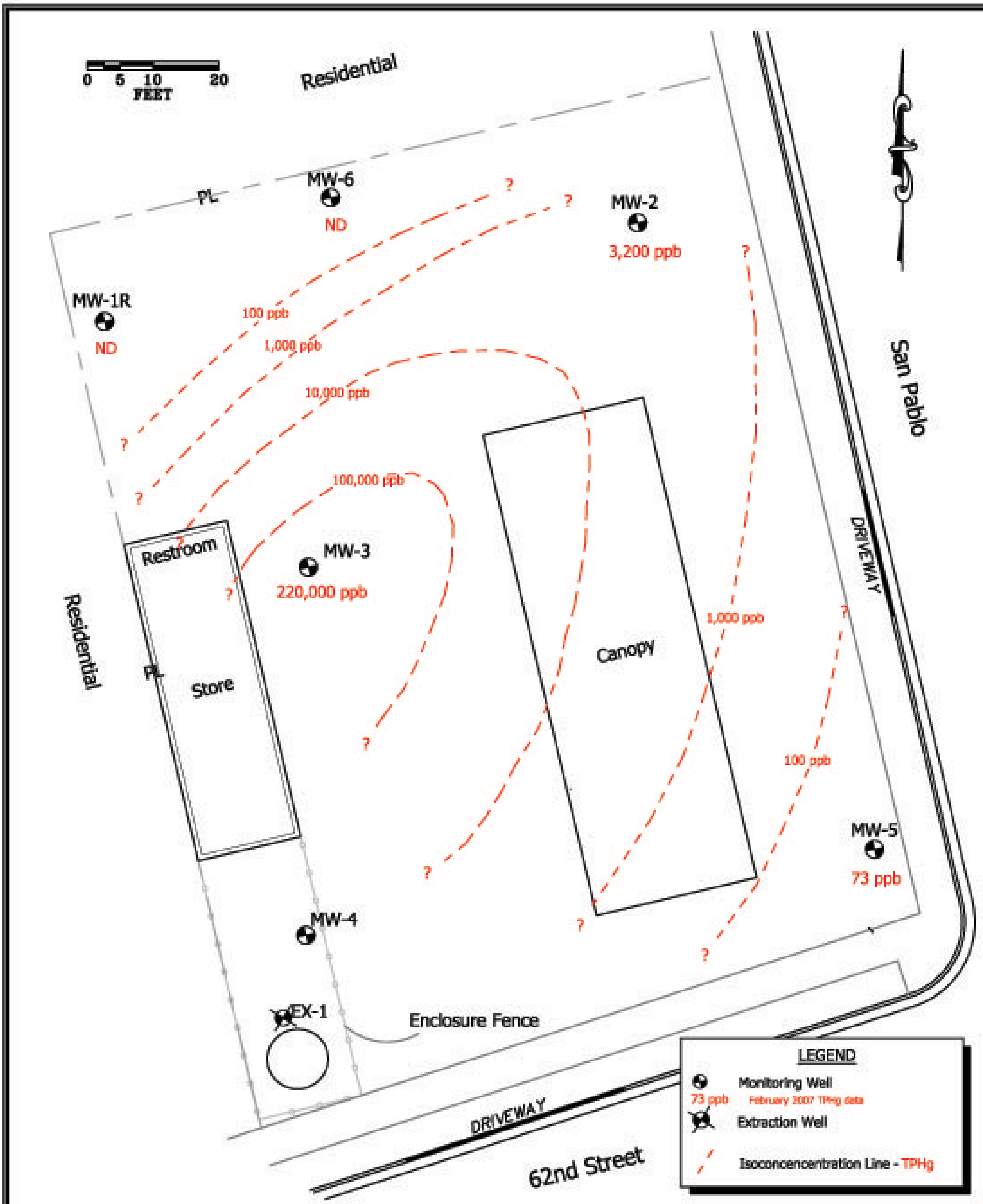
07/15/05
10/15/05
01/14/06
04/15/06
07/15/06
10/15/06
01/14/07
04/15/07
07/15/07
10/15/07
01/14/08
04/14/08
MW-1
MW-1R
MW-1RR
MW-2
MW-3
MW-4
MW-5
MW-6
EX-1
GWE (Re-Survey)
GWE

Historical Concentration Trends for TPHg									
	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-4	MW-5	MW-6	EX-1
11/07/99	5,700			6,000	43,000				
03/08/01	17,000			41,000	90,000				
11/17/01	10,000			18,000	110,000	64,000	210	3500	
03/31/02	12,000			32,000	130,000	78,000	120	3200	
09/09/03	19,000			24,000	190000		ND	800	
12/09/03	22,000			31000	170000		130	970	
02/19/04		1,800		21,000	86,000		ND	1,900	120,000
05/24/04		210		1,200	120,000		ND		
09/03/04		300		2,300	180,000		100	1,100	
11/02/04		290		530	150,000		ND	1,800	
02/17/05		530		18,000	130,000		51	5,600	
05/24/05				22,000			ND		
08/15/05		2,500		2,000	110,000		ND	1,800	
11/17/05		2,500		760	200,000		71	1,100	
02/08/06		3,300		10,000	470,000		50	3,600	
05/05/06		3,400		15,000	400,000		ND	1,600	
08/18/06		5,800		360	310,000		ND	270	
12/01/06		410		11,000	270,000		ND	1,700	
02/23/07		ND		3,200	220,000		73	ND	
05/10/07		ND		590	140,000		ND	ND	
08/16/07			ND	650	69,000	49,000	ND	ND	
11/08/07			1,300	110	34,000	64,000	ND	ND	
02/14/08			800	350	41000	60,000	ND	ND	84,000



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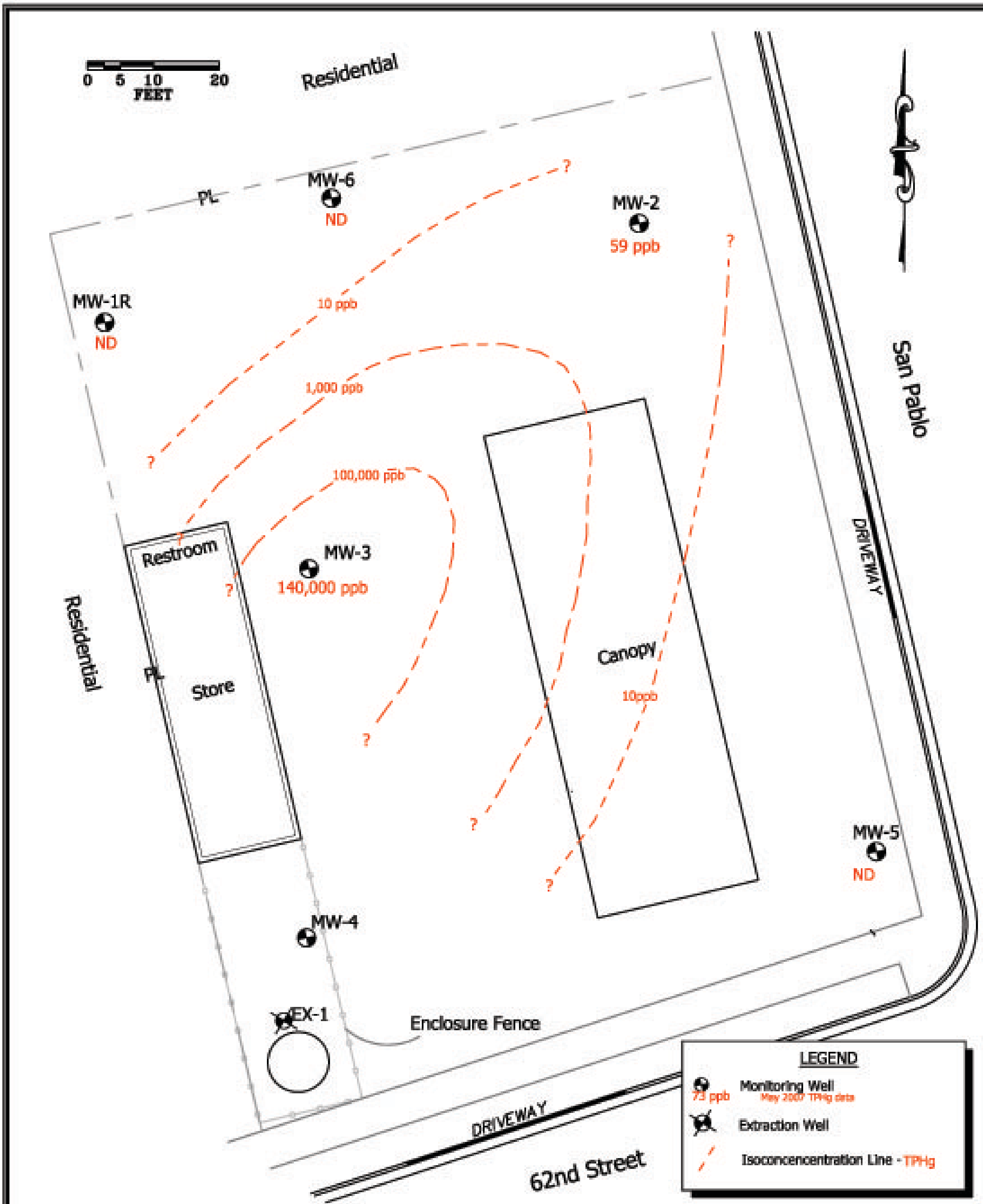
Isoconcentration Map - TPHg

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	February 21, 2007
FILE NO.:	A51-01
DRAWN BY:	RER
FIGURE	



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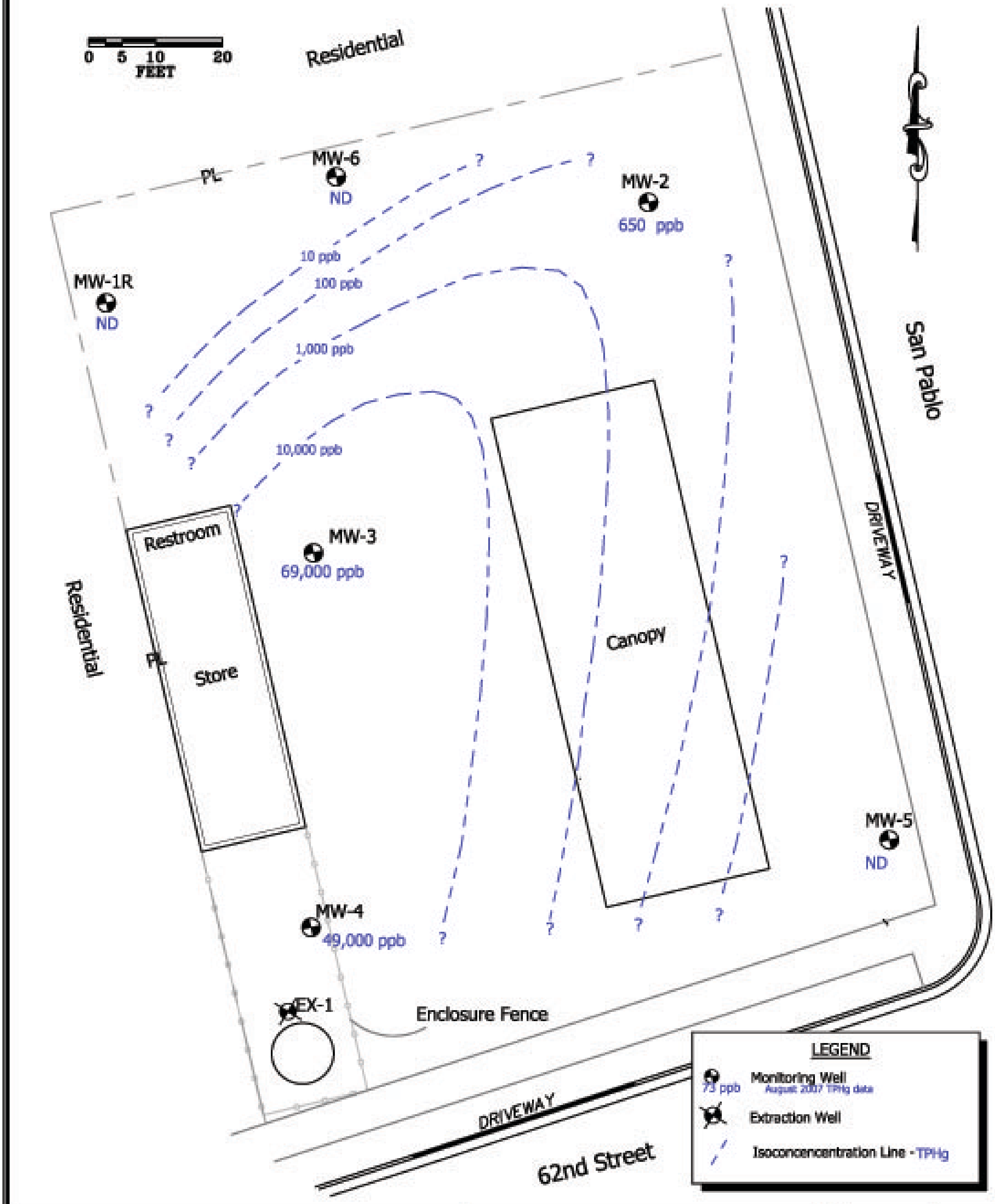
Isoconcentration Map - TPHg

ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	May 10, 2007
FILE NO.:	A51-01
DRAWN BY:	RER
FIGURE	



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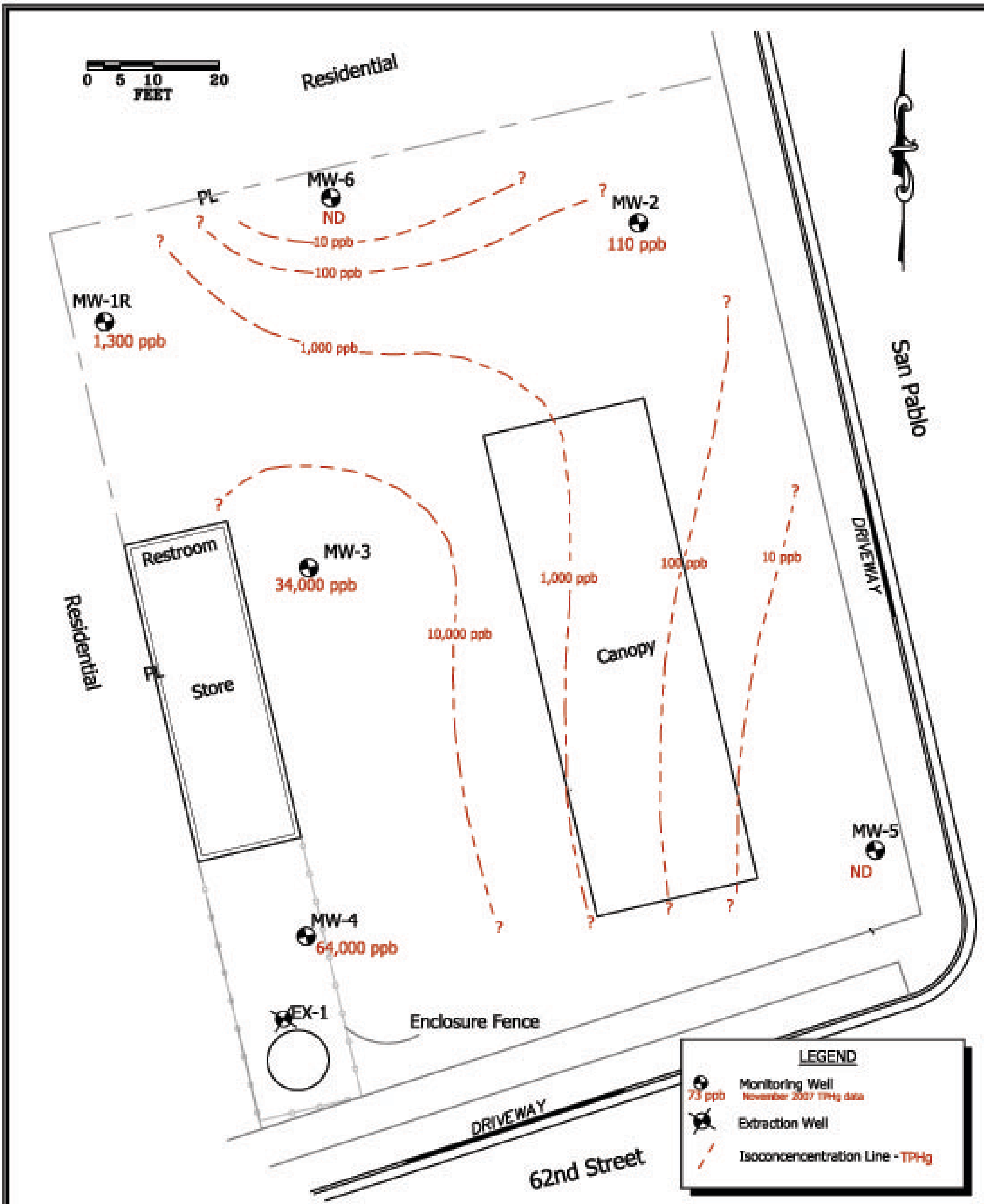
Isoconcentration Map - TPHg

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	October 8, 2007
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE



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Isoconcentration Map - TPHg

ALASKA GASOLINE COMPANY

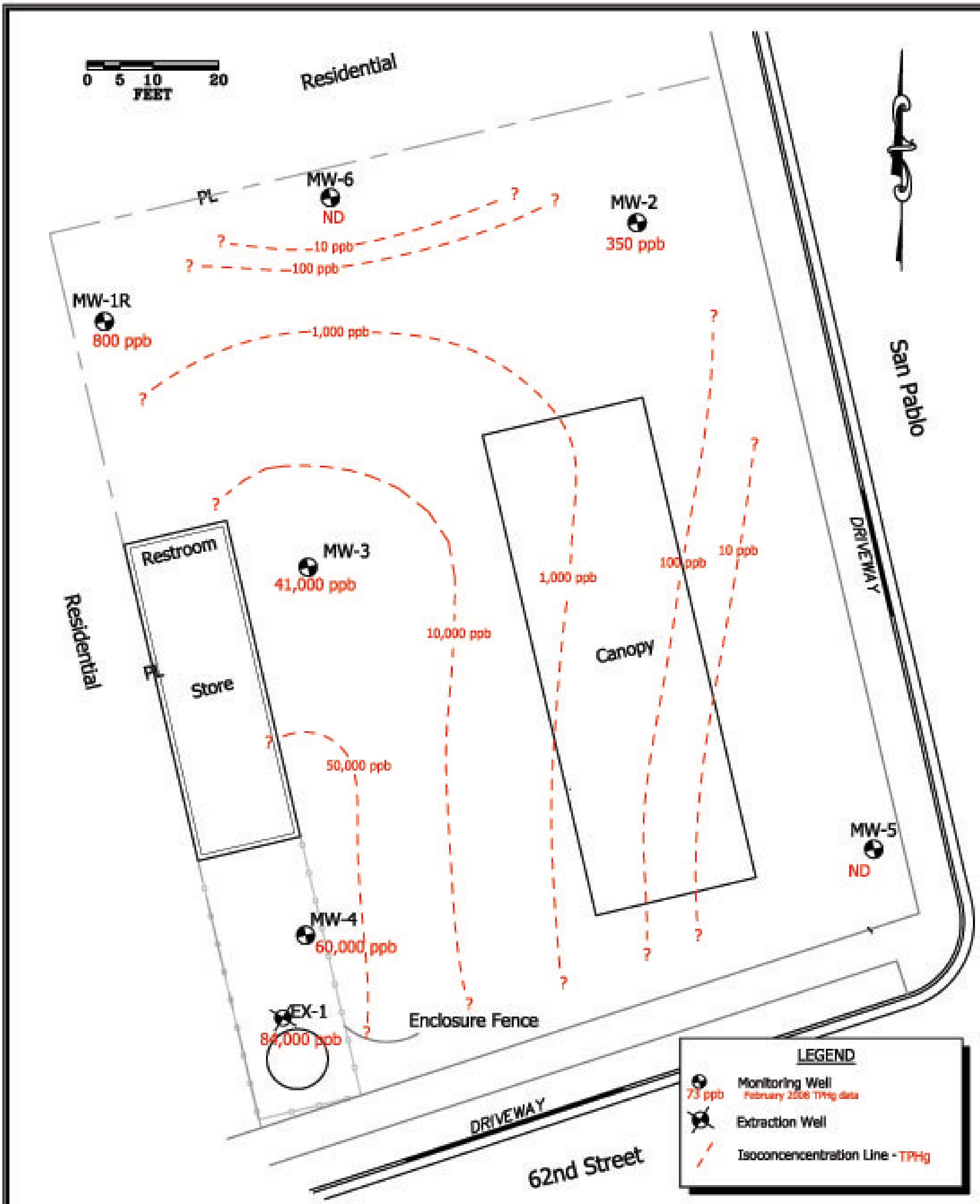
6211 San Pablo Avenue, Oakland, California

DATE: December 3, 2007

FILE NO.: A51-01

DRAWN BY: RER

FIGURE



HerSchy Environmental, Inc.
Environmental Consulting and Remediation

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Tel. (559) 641-7320, Fax (559) 641-7340

Isoconcentration Map - TPHg

February 2008

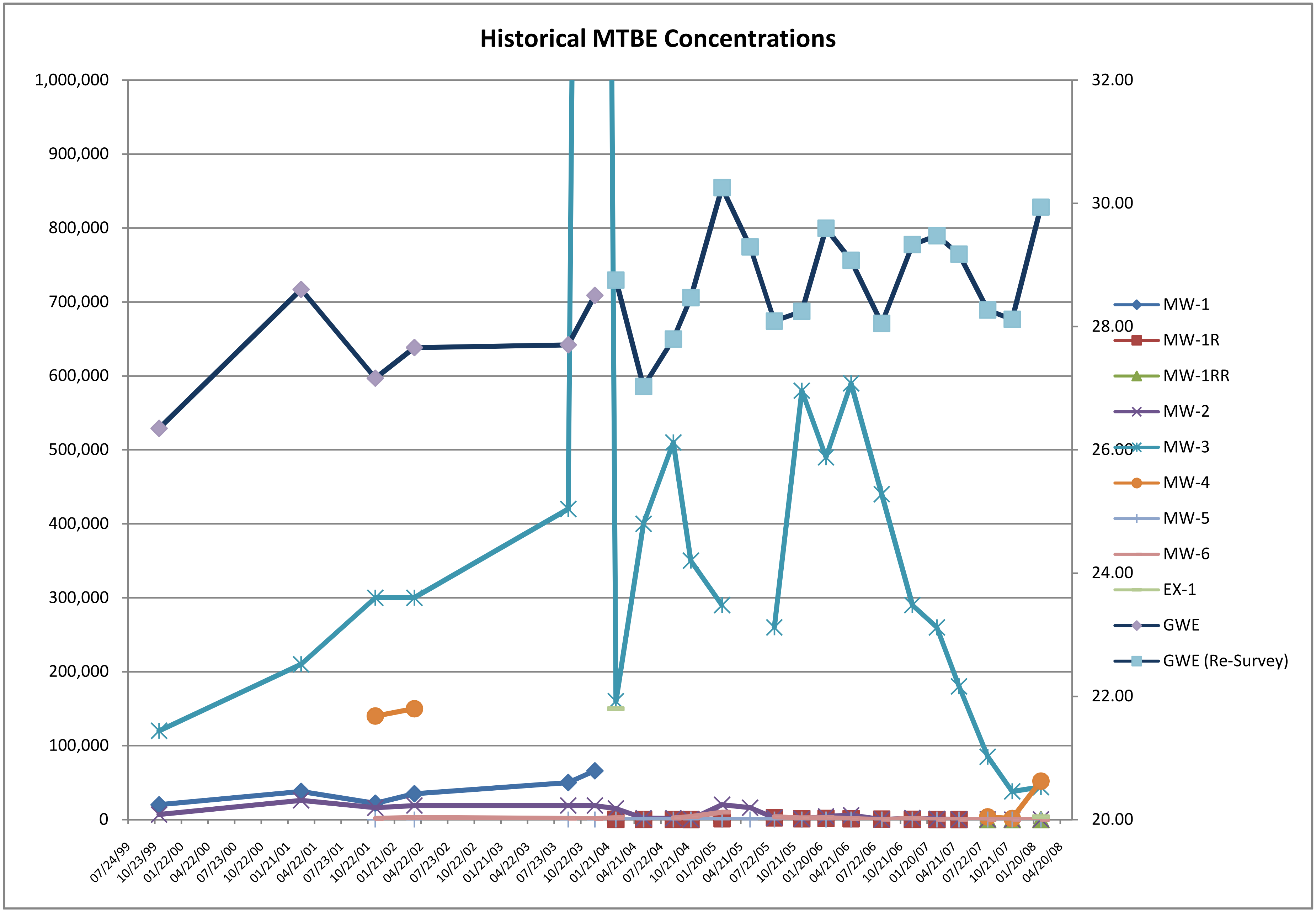
ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	FILE NO.:	DRAWN BY:	FIGURE
March 21, 2008	A51-01	RER	

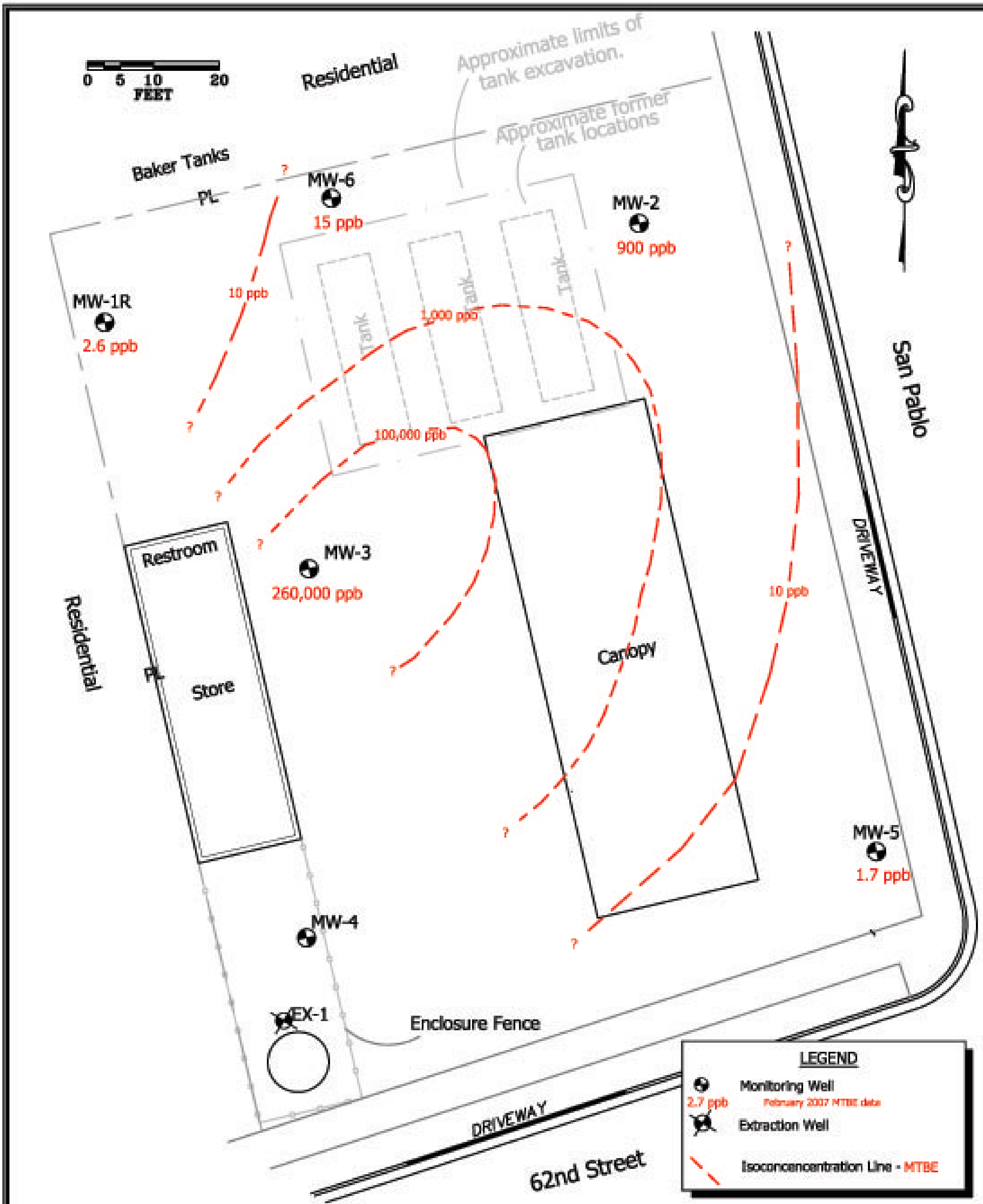
APPENDIX H

Historical MTBE Data



Historical MTBE Concentrations
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
32.00
30.00
28.00
26.00
24.00
22.00
20.00
07/24/99
10/23/99
01/22/00
04/22/00
07/23/00
10/22/00
01/21/01
04/22/01
07/23/01
10/22/01
01/21/02
04/22/02
07/23/02
10/22/02
01/21/03
04/22/03
07/23/03
10/22/03
01/21/04
04/21/04
07/22/04
10/21/04
01/20/05
04/21/05
07/22/05
10/21/05
01/20/06
04/21/06
07/22/06
10/21/06
01/20/07
04/21/07
07/22/07
10/21/07
01/20/08
04/20/08
MW-1
MW-1R
MW-1RR
MW-2
MW-3
MW-4
MW-5
MW-6
EX-1
GWE
GWE (Re-Survey)

Historical Concentration Trends for MTBE									
	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-4	MW-5	MW-6	EX-1
11/07/99	20,000			6,800	120,000				
03/08/01	38,000			26,000	210,000				
11/17/01	22,000			16000	300,000	140,000	4.8	1500	
03/31/02	35,000			19000	300,000	150,000	4.2	3000	
09/09/03	50,000			19000	420000		1.7	1700	
12/09/03	66,000			19000	4,500,000		5	1200	
02/19/04		220		15,000	160,000		1.5	2,700	150,000
05/24/04		79		1,900	400,000		0.55		
09/03/04		81		1,700	510,000		4.2	2,200	
11/02/04		45		520	350,000		1	4,100	
02/17/05		1000		20,000	290,000		1.5	10,000	
05/24/05				16,000			1		
08/15/05		2,300		2,400	260,000		0.88	3,800	
11/17/05		1,300		1000	580,000		1.4	2,400	
02/08/06		1,400		4,300	490,000		1	2,700	
05/05/06		1,100		5,800	590,000		0.93	1,400	
08/18/06		490		160	440,000		1	240	
12/01/06		100		2,100	290,000		0.97	1,700	
02/23/07		2.6		900	260,000		1.7	15	
05/10/07		5.9		200	180,000		1.5	26	
08/16/07			ND	100	85,000	3,600	1.3	1.4	
11/08/07			1.4	23	38,000	1,500	1.5	5.3	
02/14/08			1.7	190	44,000	52,000	1.3	11	3,900



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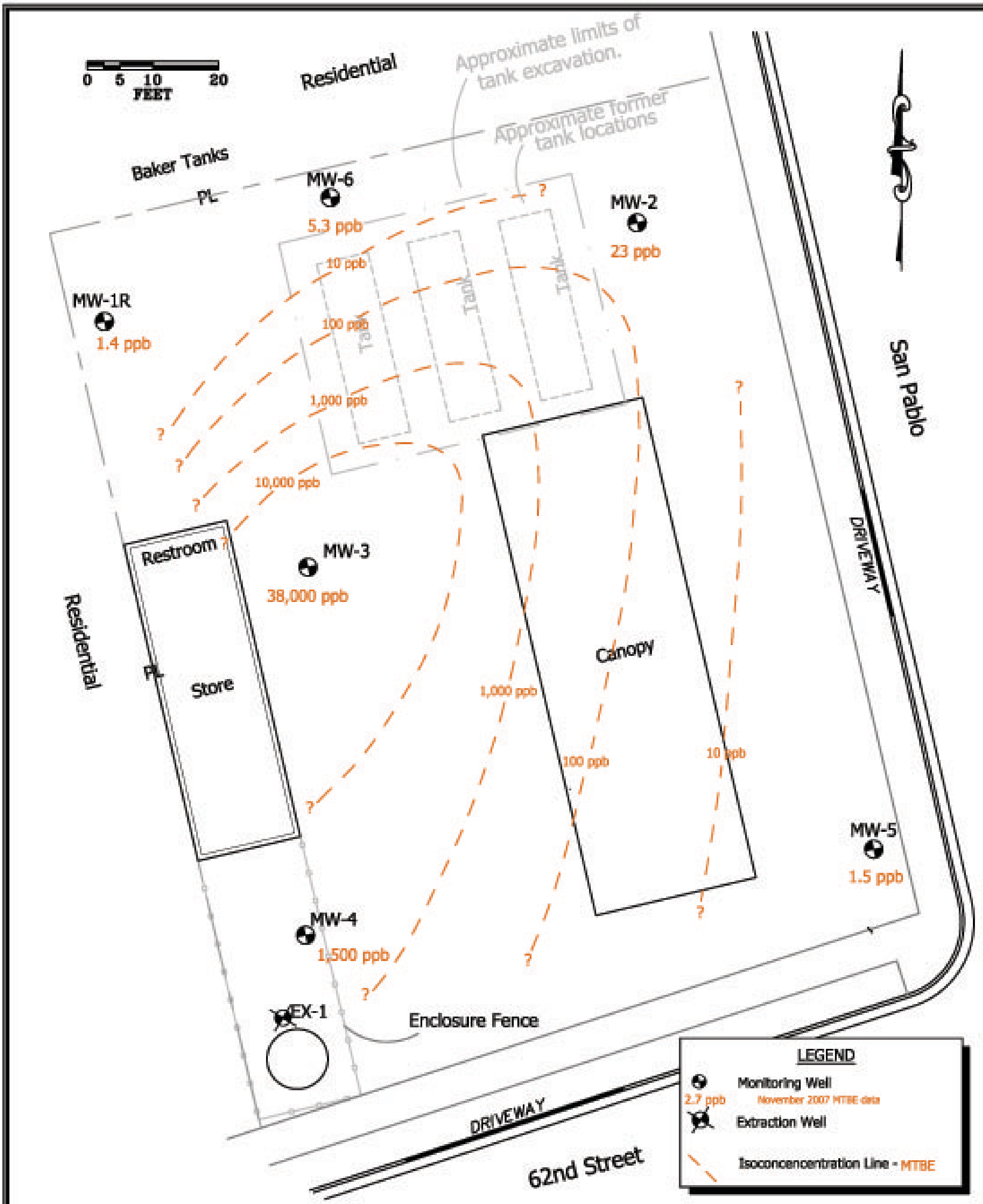
Isoconcentration Map - MTBE
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE: February 21, 2007	FIGURE	
FILE NO.: A51-01		
DRAWN BY: RER		



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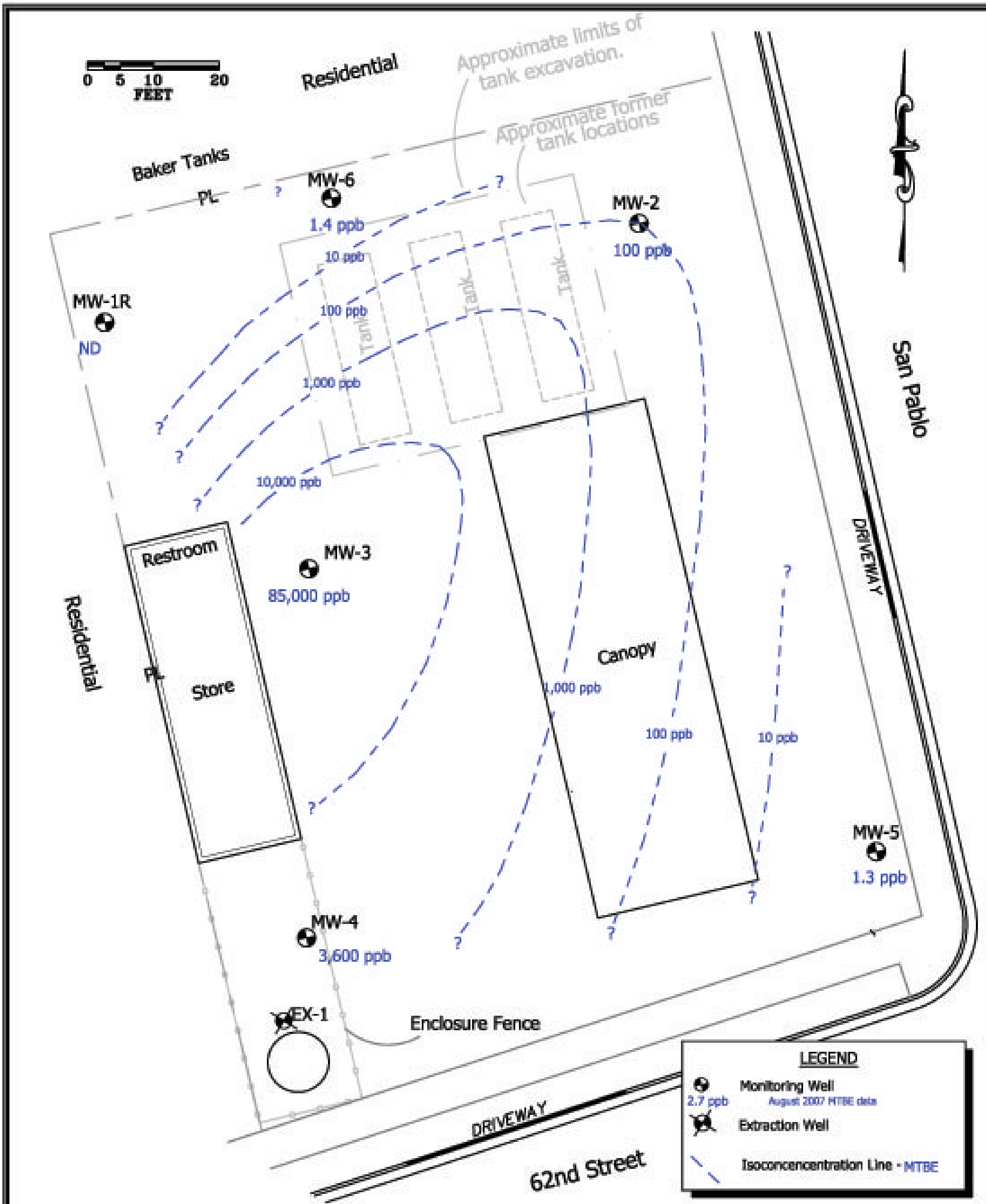
Isoconcentration Map - MTBE
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	December 3, 2007
FILE NO.:	A51-01
DRAWN BY:	RER
FIGURE	



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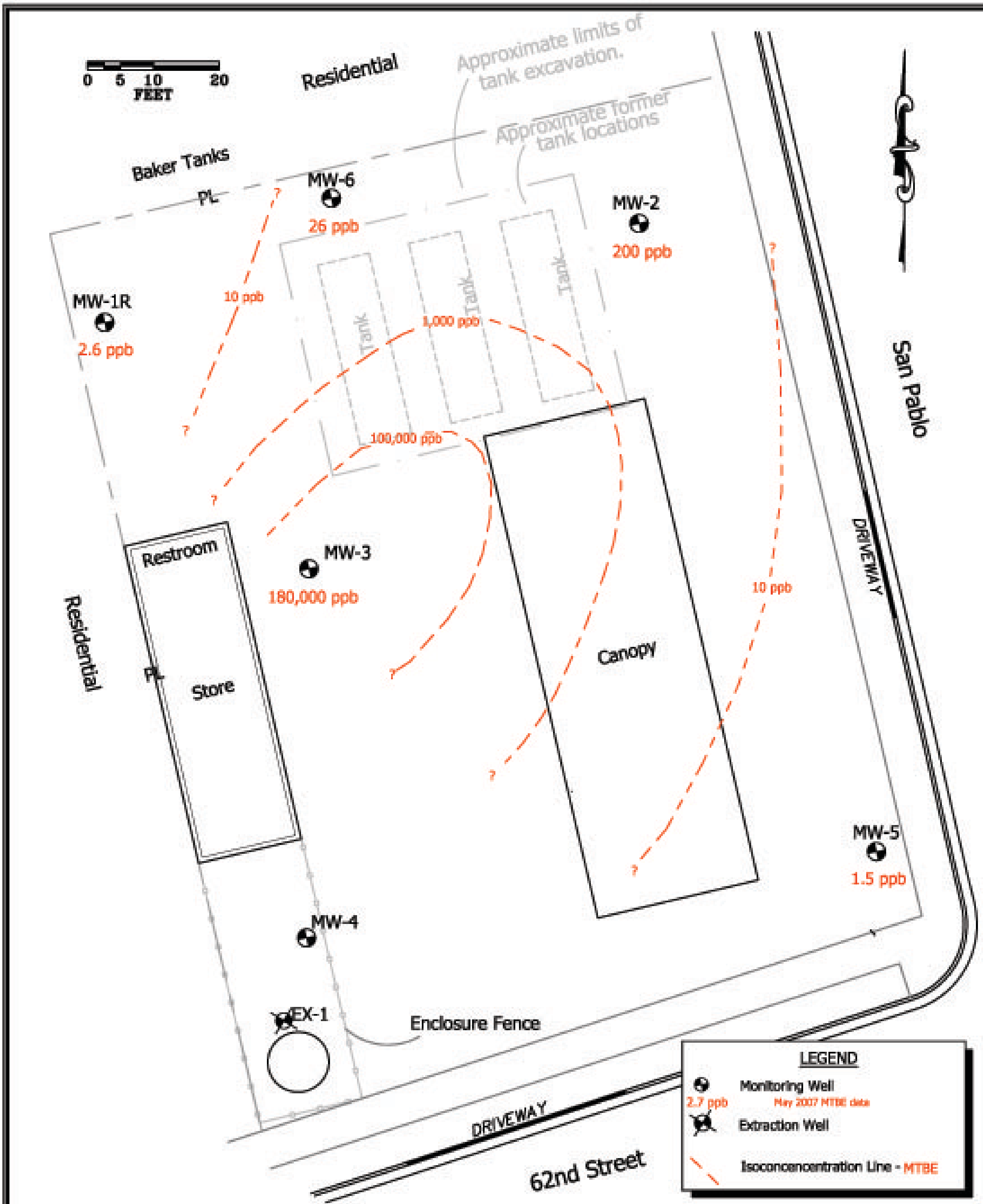
Tel. (559) 641-7320, Fax (559) 641-7340

Isoconcentration Map - MTBE
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

DATE:	October 4, 2007
FILE NO.:	A51-01
DRAWN BY:	RER
FIGURE	



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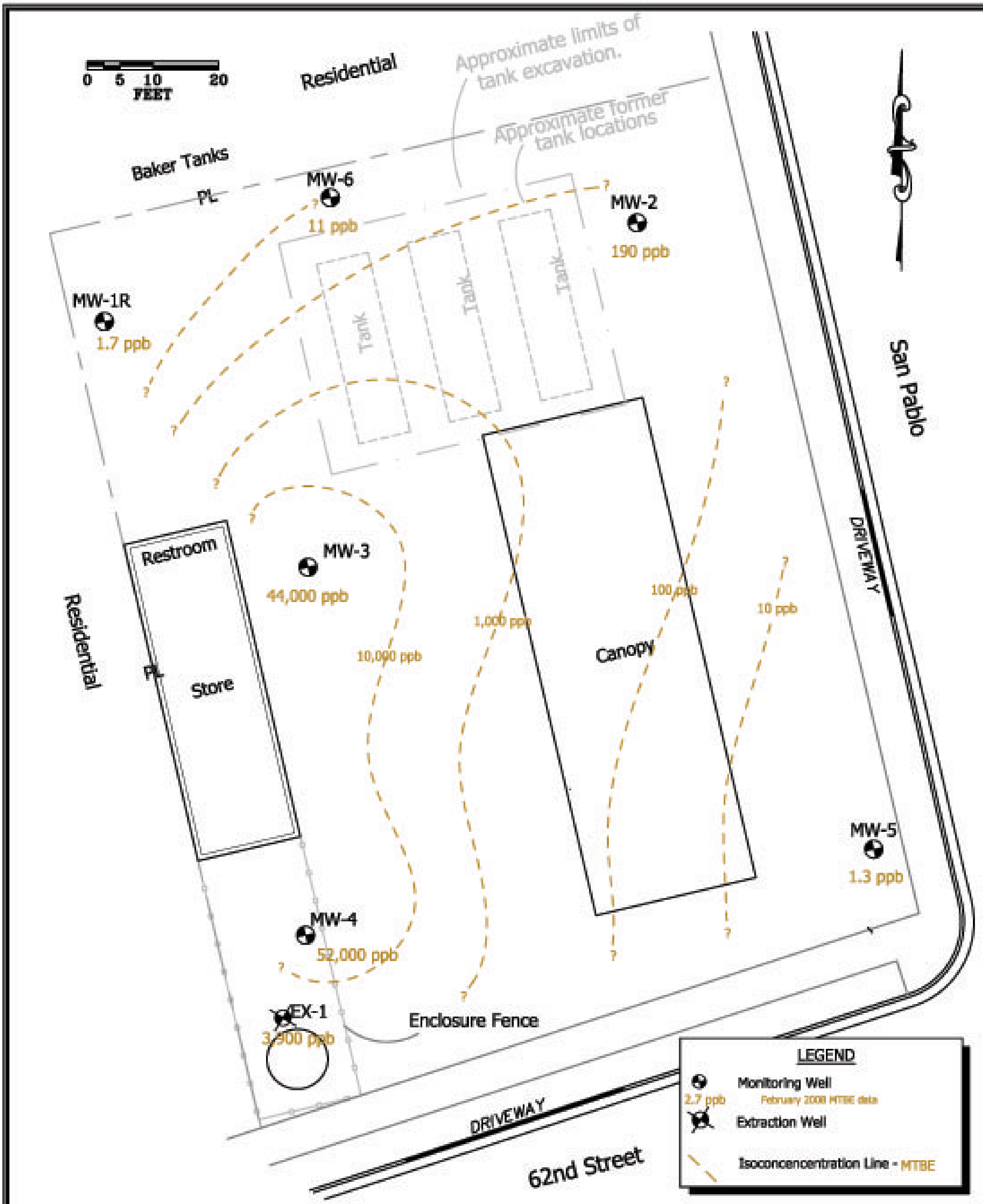
Isoconcentration Map - MTBE
ALASKA GASOLINE COMPANY
6211 San Pablo Avenue, Oakland, California

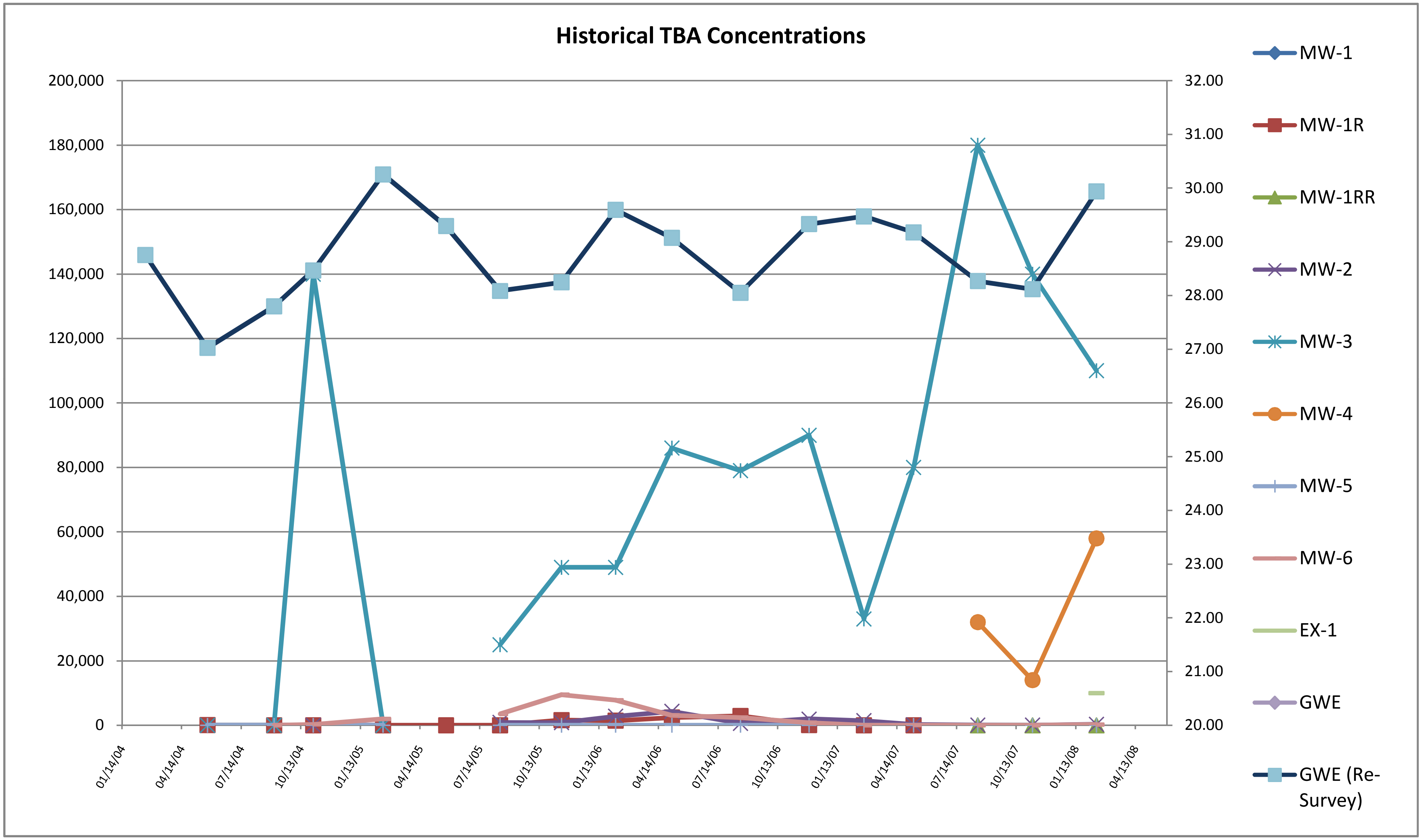
DATE: May 10, 2007	FIGURE
FILE NO.: A51-01	
DRAWN BY: RER	



HerSchy Environmental, Inc. Environmental Consulting and Remediation P. O. Box 229 Bass Lake, California 93604-0229 Tel. (559) 641-7320, Fax (559) 641-7340	Isoconcentration Map - MTBE February 2008 ALASKA GASOLINE COMPANY 6211 San Pablo Avenue, Oakland, California	DATE: March 21,2008 FILE NO.: A51-01 DRAWN BY: RER	FIGURE

APPENDIX I

Historical TBA Data


Historical TBA Concentrations
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
32.00
31.00
30.00
29.00
28.00
27.00
26.00
25.00
24.00
23.00
22.00
21.00
20.00
01/14/04
04/14/04
07/14/04
10/13/04
01/13/05
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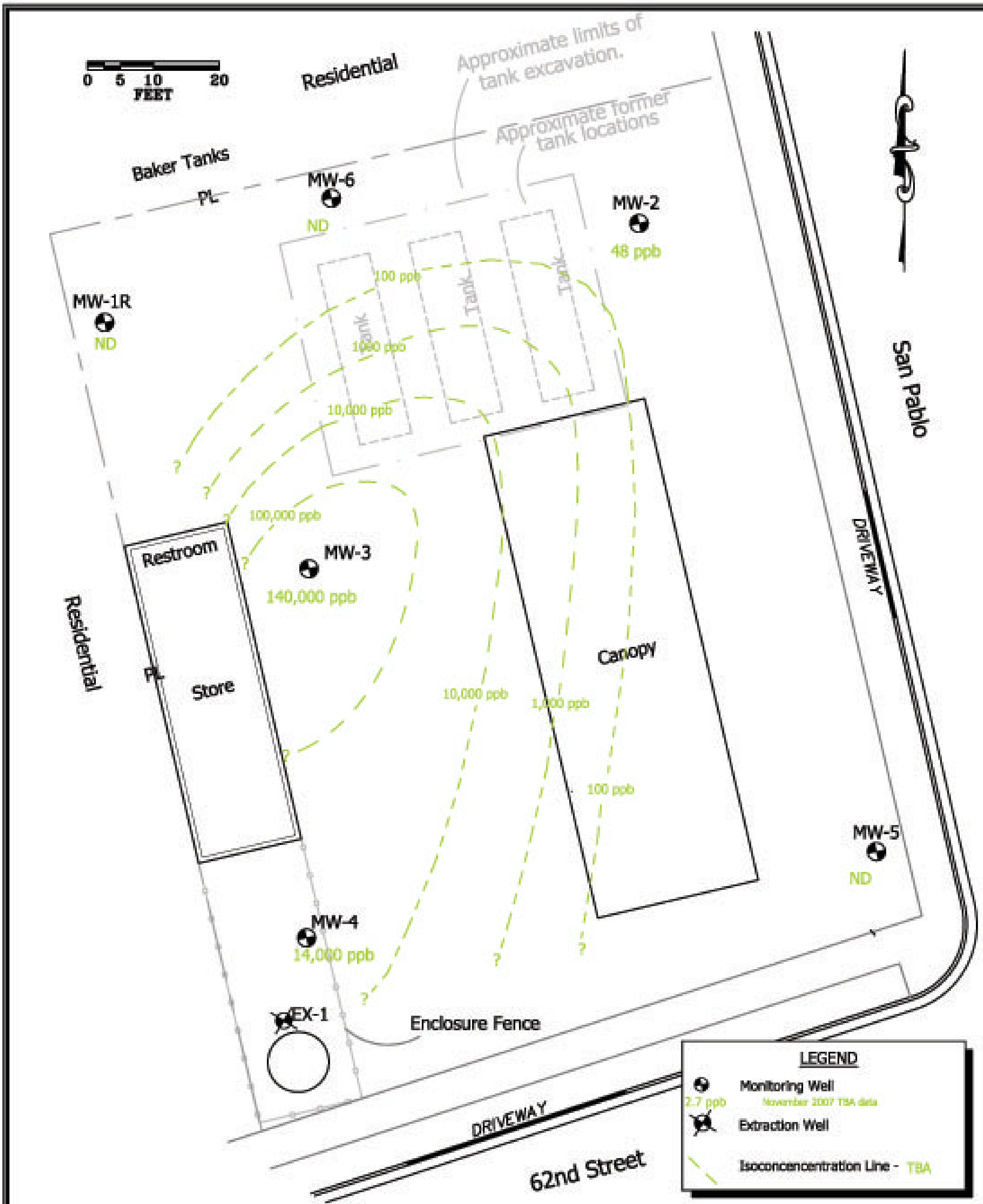
04/14/06
07/14/06
10/13/06
01/13/07
04/14/07
07/14/07
10/13/07
01/13/08
04/13/08
MW-1
MW-1R
MW-1RR
MW-2
MW-3
MW-4
MW-5
MW-6
EX-1
GWE
GWE (Re-Survey)

Historical Concentration Trends for TBA									
	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-4	MW-5	MW-6	EX-1
11/07/99									
03/08/01									
11/17/01									
03/31/02									
09/09/03									
12/09/03									
02/19/04									
05/24/04		**37**		ND	ND		ND		
09/03/04		ND		ND	ND		ND	ND	
11/02/04		ND		**100**	**140,000**		ND	**270**	
02/17/05		ND		ND	ND		ND	**2,000**	
05/24/05		ND							
08/15/05		ND		**880**	**25,000**		ND	**3,500**	
11/17/05		**1,600**		**810**	**49,000**		ND	**9,500**	
02/08/06		**1,400**		**2,800**	**49,000**		ND	**7,800**	
05/05/06		**2,400**		**4,300**	**86,000**		ND	**3,100**	
08/18/06		**2,900**		**600**	**79,000**		ND	**2,400**	
12/01/06		**100**		**2,000**	**90,000**		ND	**800**	
02/23/07		ND		**1,400**	**33,000**		ND	ND	
05/10/07		ND		**250**	**80,000**		ND	**48**	
08/16/07			ND	**82**	**180,000**	**32,000**	ND	ND	
11/08/07			ND	**48**	**140,000**	**14,000**	ND	ND	
02/14/08			ND	**320**	**110,000**	**58,000**	ND	**220**	**10,000**



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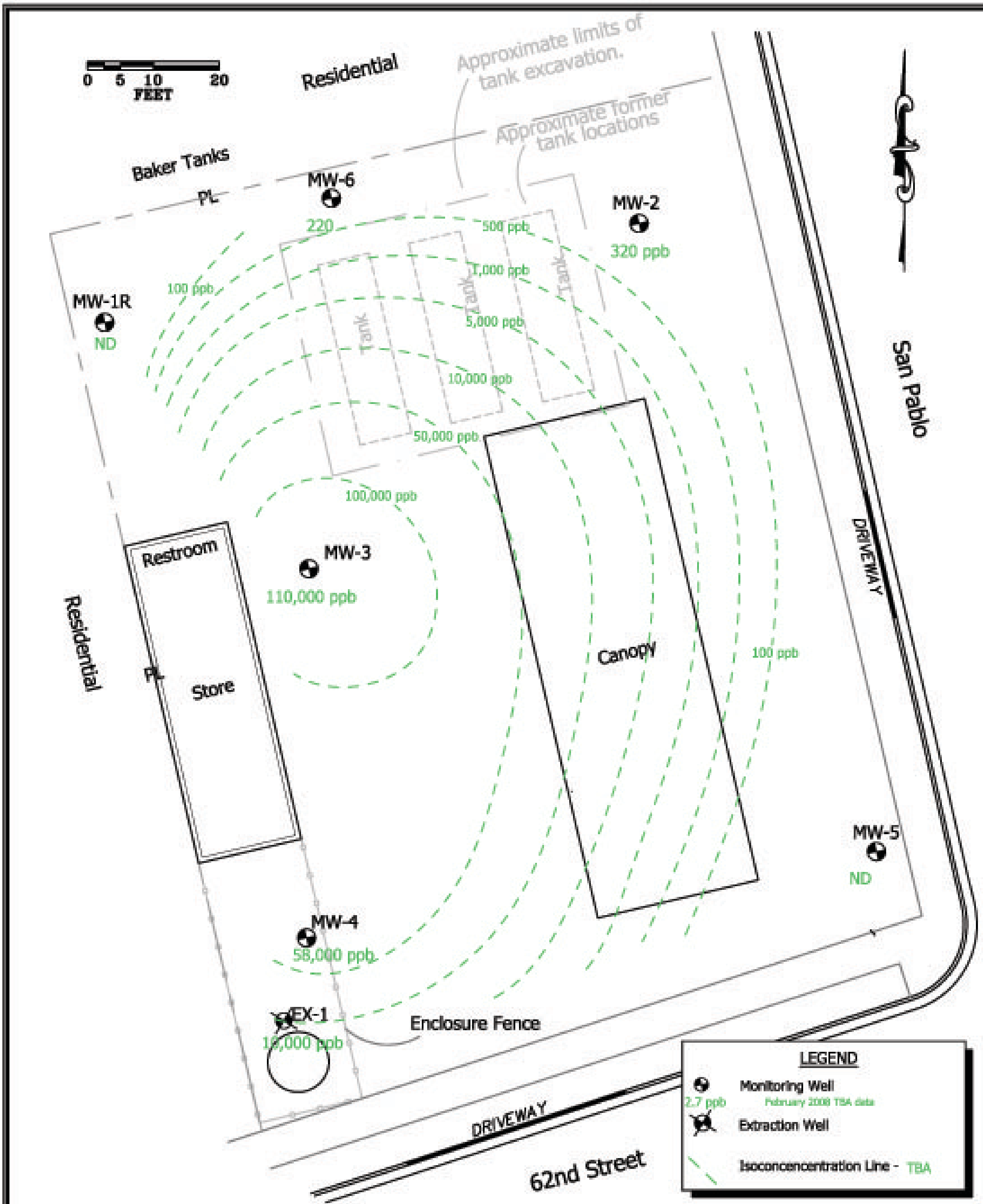
Isoconcentration Map - TBA

ALASKA GASOLINE COMPANY

6211 San Pablo Avenue, Oakland, California

DATE:	December 3, 2007
FILE NO.:	A51-01
DRAWN BY:	RER

FIGURE



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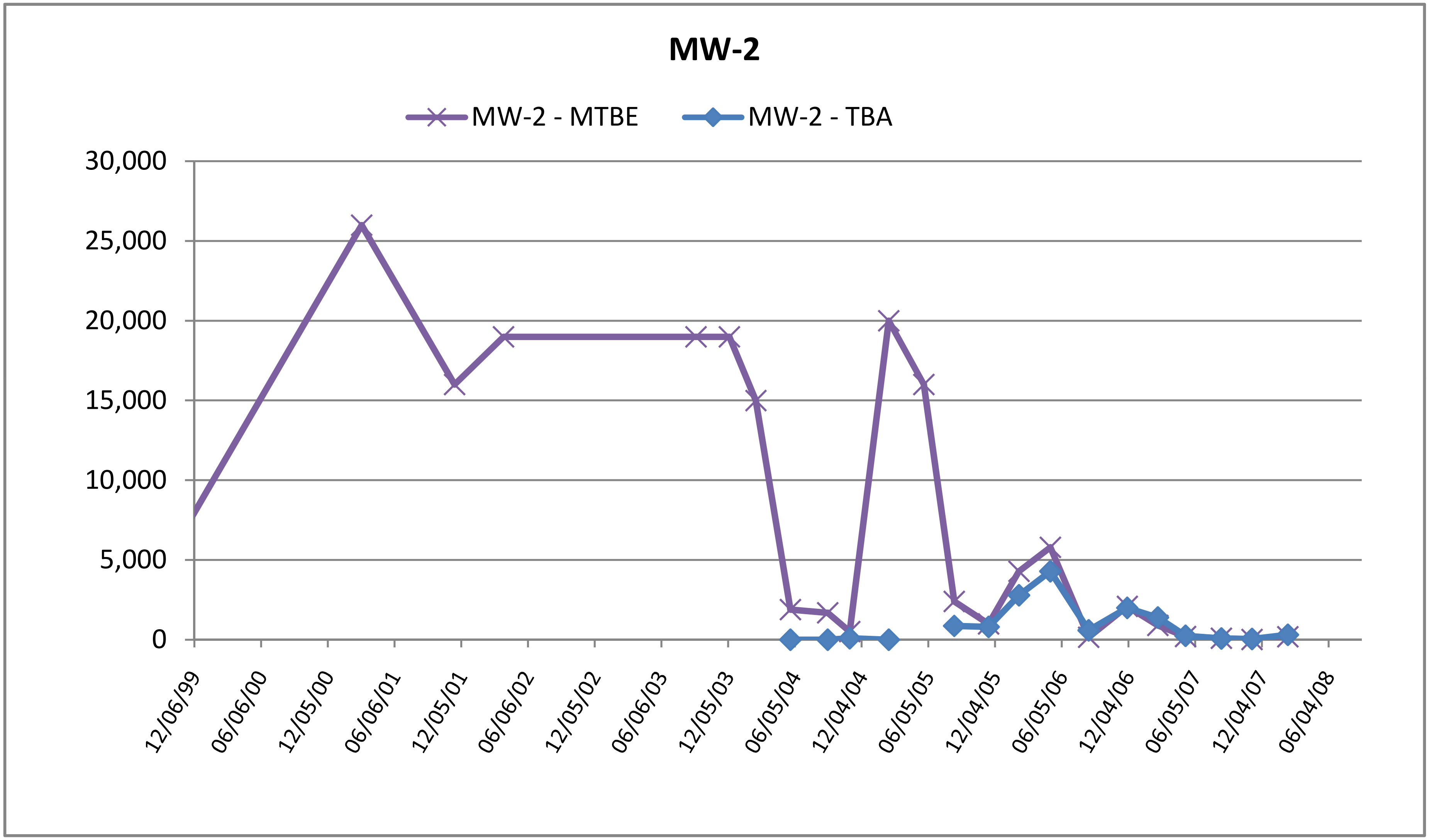
APPENDIX J

Historical MTBE vs. TBA Data

Historical Concentration Trends for MTBE									
	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-4	MW-5	MW-6	EX-1
11/07/99	20,000			6,800	120,000				
03/08/01	38,000			26,000	210,000				
11/17/01	22,000			16000	300,000	140,000	4.8	1500	
03/31/02	35,000			19000	300,000	150,000	4.2	3000	
09/09/03	50,000			19000	420000		1.7	1700	
12/09/03	66,000			19000	4,500,000		5	1200	
02/19/04		220		15,000	160,000		1.5	2,700	150,000
05/24/04		79		1,900	400,000		0.55		
09/03/04		81		1,700	510,000		4.2	2,200	
11/02/04		45		520	350,000		1	4,100	
02/17/05		1000		20,000	290,000		1.5	10,000	
05/24/05				16,000			1		
08/15/05		2,300		2,400	260,000		0.88	3,800	
11/17/05		1,300		1000	580,000		1.4	2,400	
02/08/06		1,400		4,300	490,000		1	2,700	
05/05/06		1,100		5,800	590,000		0.93	1,400	
08/18/06		490		160	440,000		1	240	
12/01/06		100		2,100	290,000		0.97	1,700	
02/23/07		2.6		900	260,000		1.7	15	
05/10/07		5.9		200	180,000		1.5	26	
08/16/07			ND	100	85,000	3,600	1.3	1.4	
11/08/07			1.4	23	38,000	1,500	1.5	5.3	
02/14/08			1.7	190	44,000	52,000	1.3	11	3,900

Historical Concentration Trends for TBA									
	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-4	MW-5	MW-6	EX-1
11/07/99									
03/08/01									
11/17/01									
03/31/02									
09/09/03									
12/09/03									
02/19/04									
05/24/04		**37**		ND	ND		ND		
09/03/04		ND		ND	ND		ND	ND	
11/02/04		ND		**100**	**140,000**		ND	**270**	
02/17/05		ND		ND	ND		ND	**2,000**	
05/24/05		ND							
08/15/05		ND		**880**	**25,000**		ND	**3,500**	
11/17/05		**1,600**		**810**	**49,000**		ND	**9,500**	
02/08/06		**1,400**		**2,800**	**49,000**		ND	**7,800**	
05/05/06		**2,400**		**4,300**	**86,000**		ND	**3,100**	
08/18/06		**2,900**		**600**	**79,000**		ND	**2,400**	
12/01/06		**100**		**2,000**	**90,000**		ND	**800**	
02/23/07		ND		**1,400**	**33,000**		ND	ND	
05/10/07		ND		**250**	**80,000**		ND	**48**	
08/16/07			ND	**82**	**180,000**	**32,000**	ND	ND	
11/08/07			ND	**48**	**140,000**	**14,000**	ND	ND	
02/14/08			ND	**320**	**110,000**	**58,000**	ND	**220**	**10,000**



MW-2
MW-2 - MTBE
MW-2 - TBA
30,000
25,000
20,000
15,000
10,000
5,000
0
12/06/99
06/06/00
12/05/00
06/06/01
12/05/01
06/06/02
12/05/02
06/06/03
12/05/03
06/05/04
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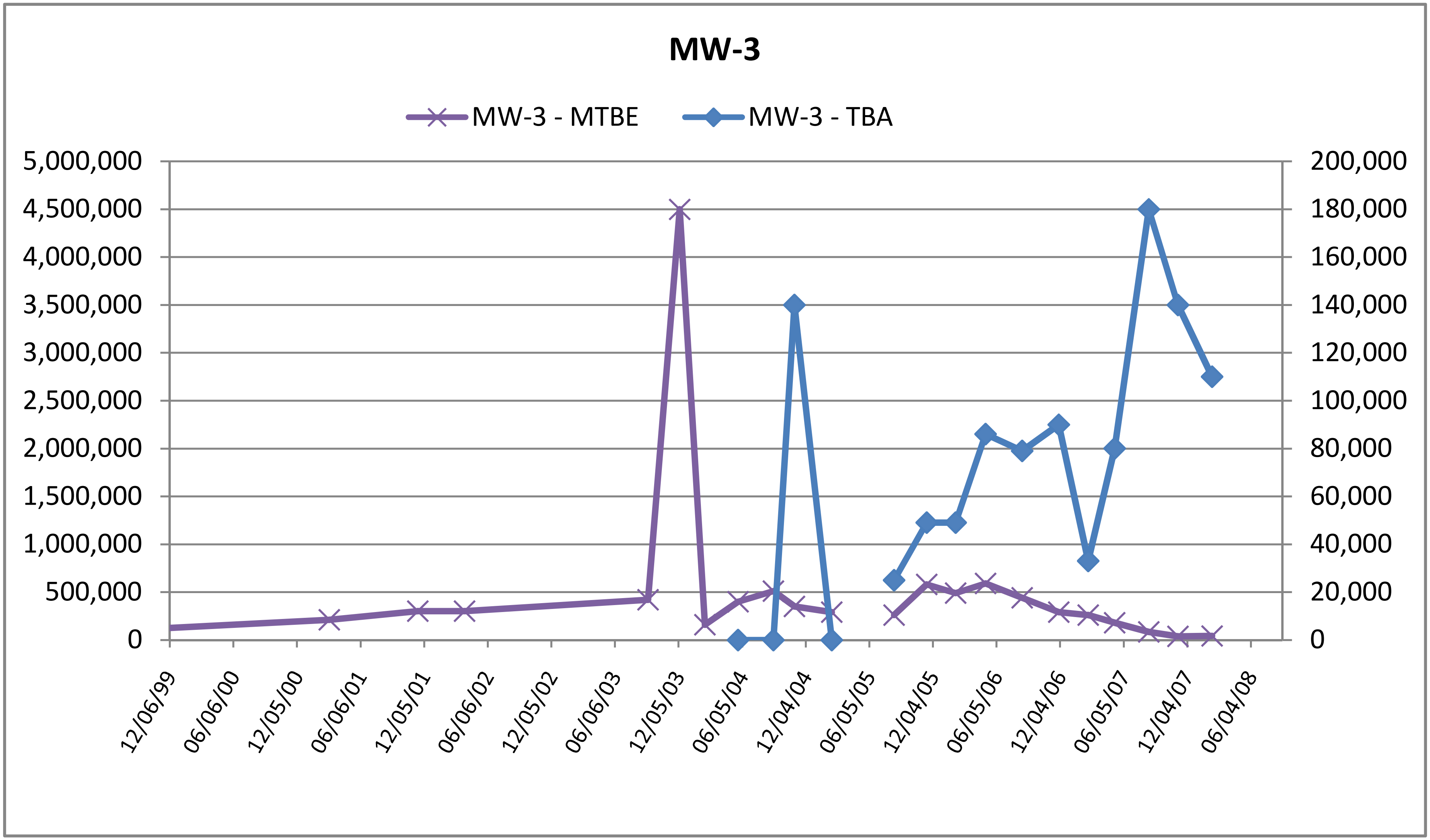
12/04/07
06/04/08



MW-3
MW-3 - MTBE
MW-3 - TBA
5,000,000
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/06/99
06/06/00
12/05/00
06/06/01
12/05/01
06/06/02
12/05/02
06/06/03
12/05/03
06/05/04
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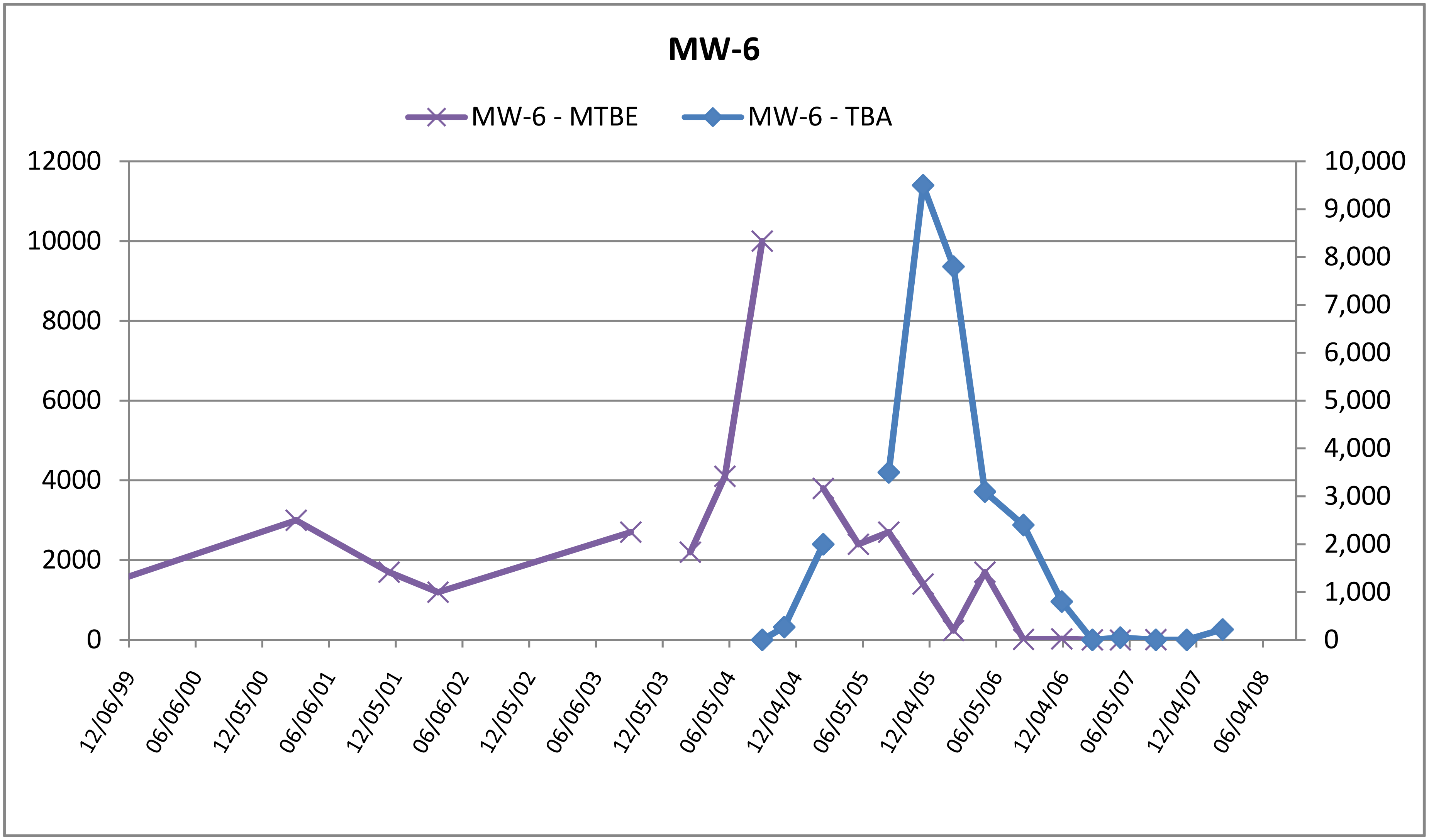
12/04/07
06/04/08


MW-6
MW-6 - MTBE
MW-6 - TBA
12000
10000
8000
6000
4000
2000
0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
12/06/99
06/06/00
12/05/00
06/06/01
12/05/01
06/06/02
12/05/02
06/06/03
12/05/03
06/05/04
12/04/04
06/05/05
12/04/05
06/05/06
12/04/06
06/05/07
12/04/07
06/04/08