



March 27, 2007

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8:00 am, Jun 11, 2007

Alameda County
Environmental Health

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Mr. Amir K. Gholami, REHS
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Reference: Site Conceptual Model (SCM)
2585 Nicholson Street in San Leandro, California
LOP Case No.: RO0000020
Versar Project No. 104422.4422.006

Dear Mr. Gholami:

Versar, Inc. (Versar) has prepared this Site Conceptual Model (SCM) in support of a request for closure of an underground storage tank (UST) release at the above-referenced Sketchley Trust property (Site). The purpose of the SCM is to sufficiently document Site conditions to facilitate a low-risk closure finding. On behalf of Bank of America, N.A. (Bank of America), Versar has prepared summary figures showing the site location and identification of any nearby sensitive receptors, historical sampling locations including former and existing underground storage tanks (USTs) system components, depth-specific contaminant iso-concentration maps and tabulated all historical data currently available at the Site and surrounding properties. Additionally, Versar completed geologic cross-sections adequately delineating the Site. Figures 1 and 2 in Attachment I, present the Site location and Site layout, respectively. Figure 3 presents the Site well and boring locations.

Background

The Site is located at 2585 Nicholson Street in San Leandro, California. The nearest cross street is Republic Avenue. The Site is currently occupied by Crane Works and consists of a single-story commercial office building at the north end of the property, and covered parking/work areas over the western and southern edges of the property.

According to information presented in the McLaren/Hart document *Soil and Groundwater Characterization*, dated May 1, 1998, two underground storage tanks (USTs) were removed from the Site in 1991. Soil and groundwater samples collected during the UST removal activities identified total petroleum hydrocarbons (TPH) as diesel and gasoline in both media. Reportedly, over-excavation was performed during UST removal activities.

104422.4422.006/March'07

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In 1992, Hageman-Aguiar (HA) performed an on-Site soil, groundwater and soil gas investigation, and installed one monitoring well (MW-1) in the central portion of the Site. Groundwater samples were collected by HA from MW-1 between 1992 and 1995. HA identified free-floating product in MW-1 during some of the sampling events, at a maximum thickness of 1.25 inches. An oil absorbent sock was subsequently used to collect the free-floating product. Historical analytical results pertaining to HA's soil investigation are presented in Table 1 of Attachment II. Soil boring locations pertaining to HA's subsurface investigation are presented in Figure 4. In addition, Figures 4 and 5 illustrate isoconcentration contours for total recoverable hydrocarbons in the vadose zone and capillary fringe areas, at four and six feet below ground surface (bgs), respectively.

In 1997 and 1998, McLaren/Hart performed limited investigations of soil and groundwater, both on and off-Site. McLaren/Hart concluded that adequate definition of petroleum hydrocarbons in soil and groundwater had been completed, and that the contaminant plume was relatively stable with minimal off-Site migration of petroleum hydrocarbons. McLaren/Hart recommended installation of additional monitoring wells to confirm the direction of groundwater flow beneath the Site. Historical analytical results from McLaren/Hart's groundwater investigation are presented in Table 2.

In April 1999, Versar installed four additional monitoring wells (MW-2 through MW-5), and sampled all the Site wells, as described in the Versar report *Monitoring Well Installation and Groundwater Monitoring Report*, dated June 30, 1999. The monitoring well locations are depicted on Figure 3 of Attachment I. Versar detected petroleum hydrocarbons as gasoline in the southern half of the Site; benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in well MW-1 near the center of the Site. Table 3 summarizes the groundwater monitoring results for the Site. The groundwater gradient was confirmed as flowing in a southeasterly direction.

Based on soil boring log evaluation from the 1999 investigation, the soil classification beneath the Site is most commonly silty clay, which is moderately drained and has very slow infiltration rates. The geology of the region is reportedly characterized by mixed alluvial, lake, playa, and terrace deposits generated by erosional activities during the Pleistocene and Holocene periods. A geologic cross-section index map and two geologic cross-sections are presented in Figures 6, 7a and 7b, respectively. Soil borehole logs for historic soil investigations are included in Attachment III.

In November 1999, Versar performed a Risk-Based Corrective Action (RBCA) analysis of residual petroleum hydrocarbons in groundwater at the Site. The RBCA analysis was re-performed for soil in Versar's letter *Additional Research and Evaluation*, dated May 15, 2001. The purpose for the RBCA analysis was to determine the magnitude of risk, if any, to human health associated with known Site soil and groundwater contamination. The analysis was prepared using conservative default parameters and existing Site data. Versar's RBCA analyses found that residual concentrations of aromatic hydrocarbons in first-encountered groundwater at the location of maximum impact do not present an actionable risk to human health under a commercial/industrial setting.

Subsequent to installation of the monitoring wells, quarterly groundwater monitoring of all Site wells was performed between July 1999 and April 2001. Methyl-tert-butyl ether (MTBE) was not detected during the monitoring events, and the ACHCS granted no further analysis of the compound in their October 29, 1999 letter. Data from the monitoring episodes showed limited fluctuation of petroleum constituents in source-area monitoring well MW-1, and only trace concentrations of the Site constituents of concern in off-Site monitoring wells MW-4 and MW-5. Historic analytical results for petroleum constituents in groundwater are presented in Table 3.

The groundwater flow direction has varied from east to south/southeast under a consistently shallow groundwater gradient. Natural attenuation parameters analyzed during the monitoring events (Table 3) provide indications that biological degradation of petroleum constituents in groundwater is occurring.

At the request of the ACHCS, Versar performed additional research and evaluation, which was presented in the Versar letter dated May 15, 2001. The additional research and evaluation consisted of the following primary issues:

- ▶ A well survey and door to door survey of the surrounding area was performed to determine potential groundwater use in the vicinity of the Site. No wells were identified in proximity to the Site impact;
- ▶ The potential for preferential pathways, such as underground utilities, was investigated and found to not be an issue for the Site; and
- ▶ Additional evidence and evaluation of plume characterization and stability was provided.

Figure 2 includes the potential underground utility preferential pathways. Figures 8 and 9 are isoconcentration maps illustrating total petroleum hydrocarbon as gasoline (TPH-G) and benzene concentrations, respectively. A sensitive receptor map with nearby well survey information is presented in Attachment IV.

In a letter from the ACHCS dated June 4, 2001, a reduction to the groundwater monitoring program was granted. Subsequent to the reduction to the groundwater program, semi-annual monitoring of one well (MW-1) has continued from April 2001 to May 2005. The objective for sampling the well is to monitor stability of the constituents of concern over time.

Conceptual Model

Site data indicates that historical operation of two USTs resulted in a release of petroleum hydrocarbons to soil and groundwater beneath the Site. Following removal of the USTs in 1991, residual soil contamination was found to be present in surrounding shallow soils. A soil boring

investigation performed in 1992 determined the residual contamination to be limited to within approximately 30 feet of the former UST excavation, and that the highest concentrations were present in the capillary fringe zone at approximately six feet bgs.

As shown in Figures 8 and 9, historical groundwater investigations have found the dissolved petroleum hydrocarbon plume to be limited in areal extent, actively degrading, and not migrating away from the source area. The apparent stability of the plume is believed to result from tight silty clays with very slow infiltration rates, as identified in boring logs. Seasonal fluctuations within the shallow aquifer however, create variations in detected hydrocarbon concentrations. These variations likely result from lingering residual soil contamination in the capillary fringe.

The potential for impact to human or ecological receptors appears limited to the groundwater ingestion pathway. Long term contact with contaminated soils or soil vapors is not likely because the area is capped with concrete and asphalt paving. Additionally, the plume is sited in an outdoor area, eliminating the indoor air inhalation exposure pathway.

Monitoring of the dissolved plume indicates a low to negligible potential for impact to identified down gradient sensitive receptors. While concentrations of detected petroleum hydrocarbons tend to vary seasonally, the lateral extent of the dissolved plume has remained stable.

Dissolved TPH and benzene concentration trends reflect the plumes natural attenuation. The most recent results remain greater than the San Francisco Region Water Quality Board (SFRWQCB) environmental screening levels (ESLs) for TPH-G and benzene, Tables A and C, for protection of a drinking water resource. However, the VOC-impacted shallow groundwater in San Leandro is unlikely to be considered a viable drinking water resource.

Conclusions and Recommendations

Based on historical measurements, groundwater beneath the Site has been characterized as flowing southeasterly at a typical gradient of approximately 0.001 feet/foot. The results of the groundwater monitoring and Site evaluation has determined the constituents identified in groundwater are concentrated around monitoring well MW-1 (see Figures 8 and 9) and are naturally degrading over time, as recognized in 2001 when the ACHCS reduced monitoring requirements at the Site to semi-annually at one well location (MW-1). In addition to plume stability and degradation, Versar has demonstrated there are no impacted or potentially impacted sensitive receptors, and no potential human health risk under current and reasonably foreseeable future Site use conditions.

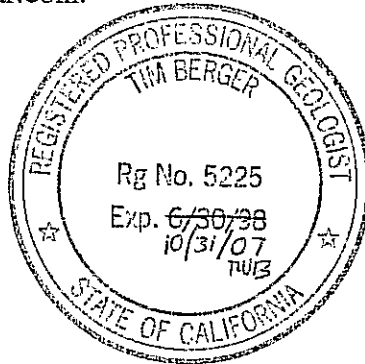
By demonstrating plume stability, absence of sensitive receptors and human health risk, Versar has met the requirements for low-risk closure of the UST release for this Site. On behalf of the Bank of America, Versar requests No Further Action for this case.

This site conceptual model was prepared by Versar on behalf of Bank of America, N.A. If you have any questions or concerns regarding this site conceptual model, please contact Mr. Tim Berger at (916) 863-9323 or tberger@versar.com.

Sincerely,



Tim Berger, P.G., C.E.G., H.G.
Supervising Geologist
Versar - Pacific Region

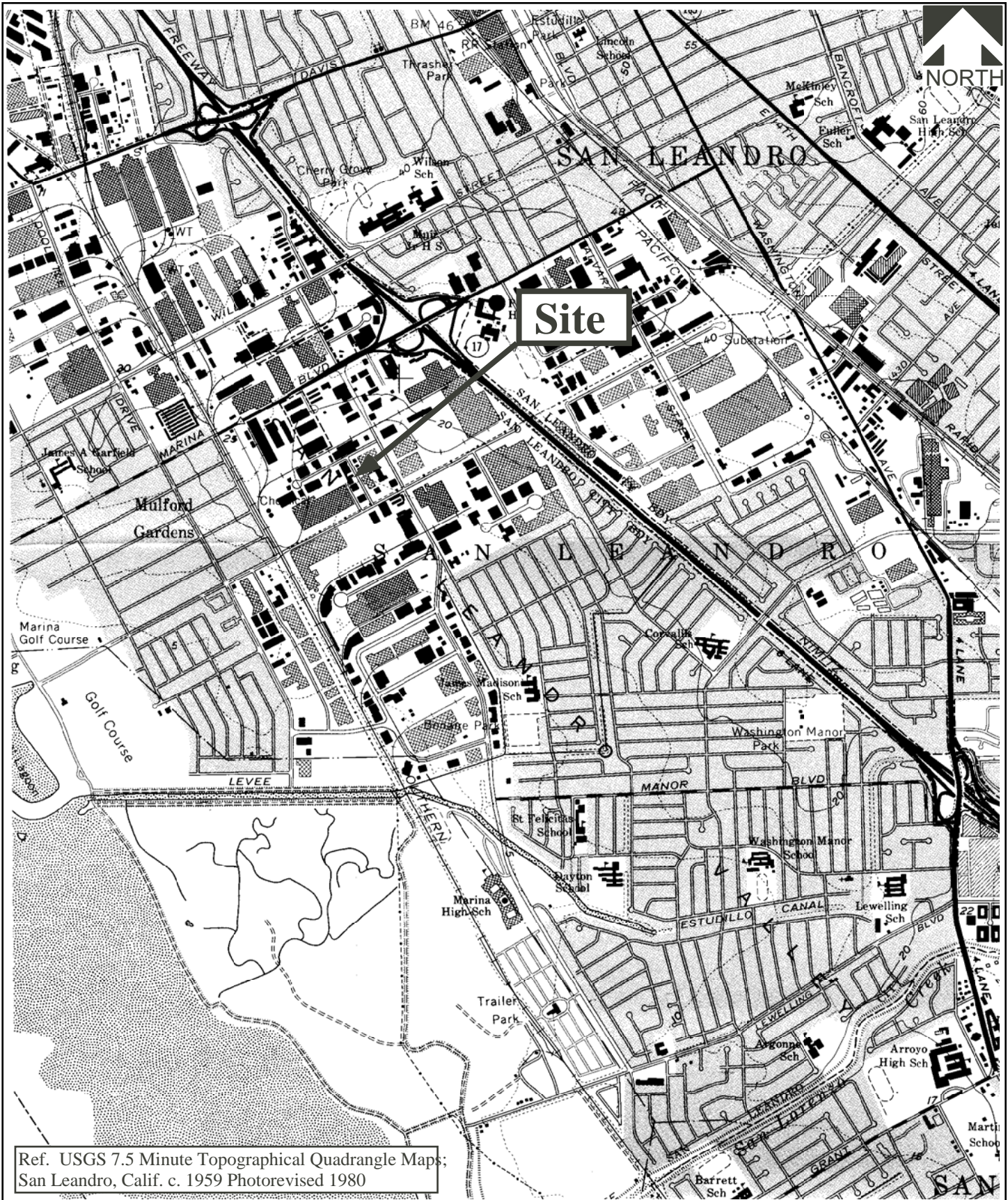


- Attachment I - Summary Figures
- Attachment II - Summary Tables
- Attachment III - Complete Set of Available Boring Logs
- Attachment IV - Sensitive Receptor Map and Description

cc: Ms. Susan Hugo (Alameda County)
Mr. Mike Bakaldin (City of San Leandro)
Ms. Donna Proffitt, P.G.

ATTACHMENT I

SUMMARY FIGURES



Ref. USGS 7.5 Minute Topographical Quadrangle Maps;
 San Leandro, Calif. c. 1959 Photorevised 1980

Dr. By: SSH
Date: 6/30/06
Scale: 1 inch=2,000 feet
Versar Project No. 4422-006
Path/File: PIBOFA\SANLEAN\SCM\Fig1

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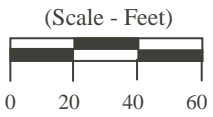
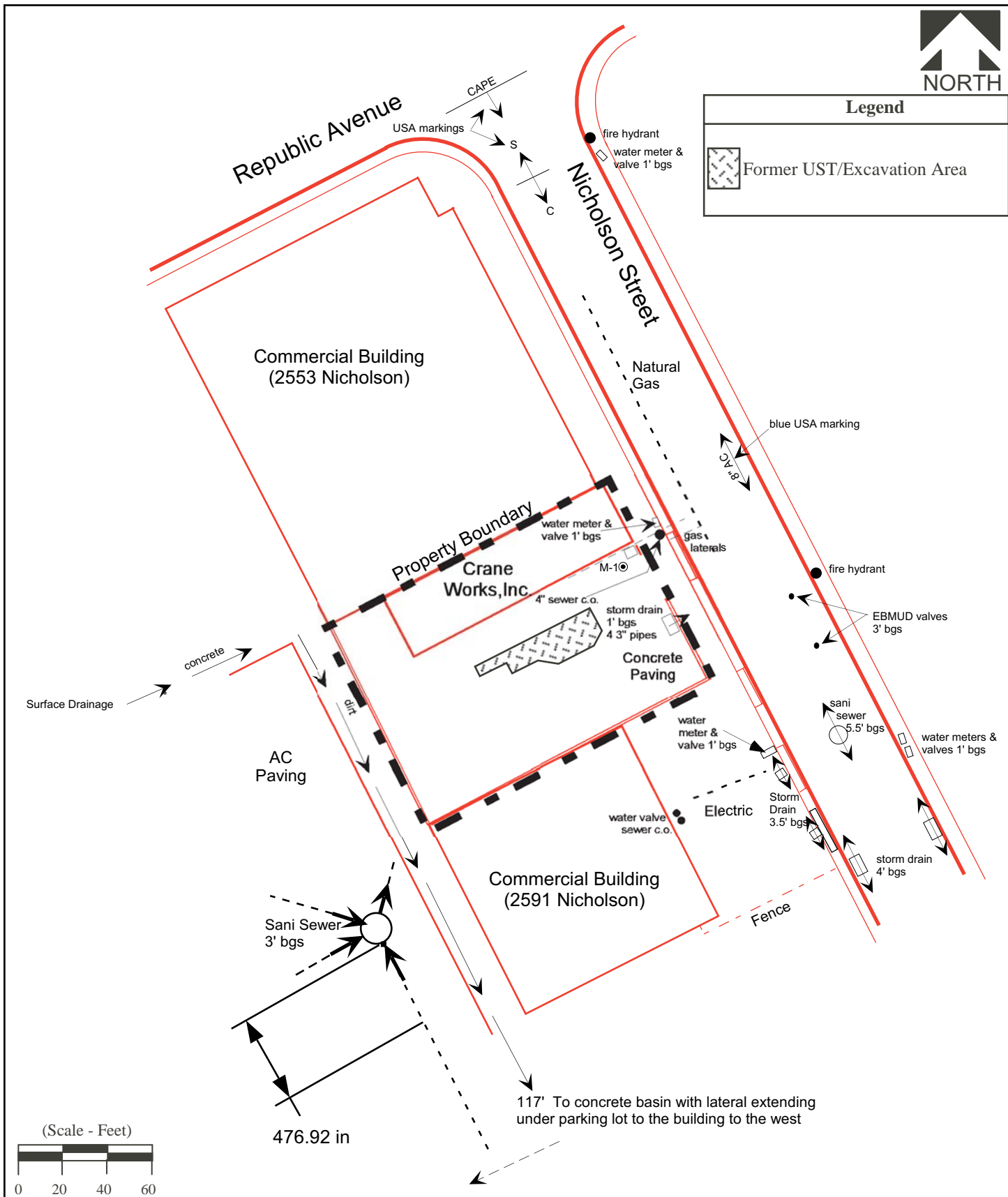
SITE LOCATION
 2585 Nicholson Street
 San Leandro, California

Figure
 1



Legend

 Former UST/Excavation Area



Dr. By: HACKMAN
Date: 11/28/06
Scale: 1 inch= 60 feet
Versar Project No. 4422-006
Path/File : P:\BOFA\SanLean\SCM\Fig2

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
SITE LAYOUT

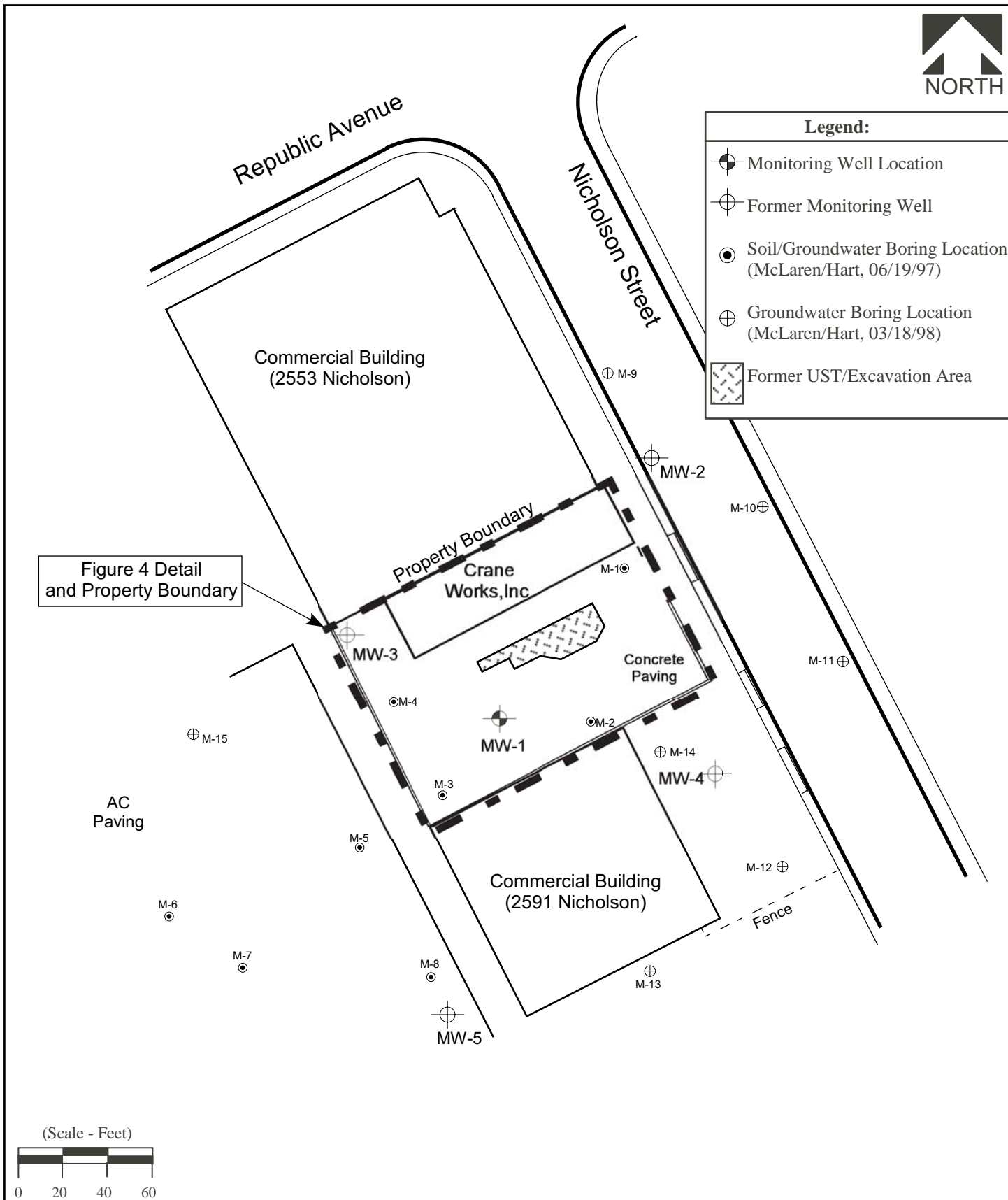
**2585 Nicholson Street
 San Leandro, California**

**Figure
2**

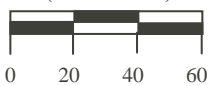


Legend:

-  Monitoring Well Location
-  Former Monitoring Well
-  Soil/Groundwater Boring Location (McLaren/Hart, 06/19/97)
-  Groundwater Boring Location (McLaren/Hart, 03/18/98)
-  Former UST/Excavation Area



(Scale - Feet)

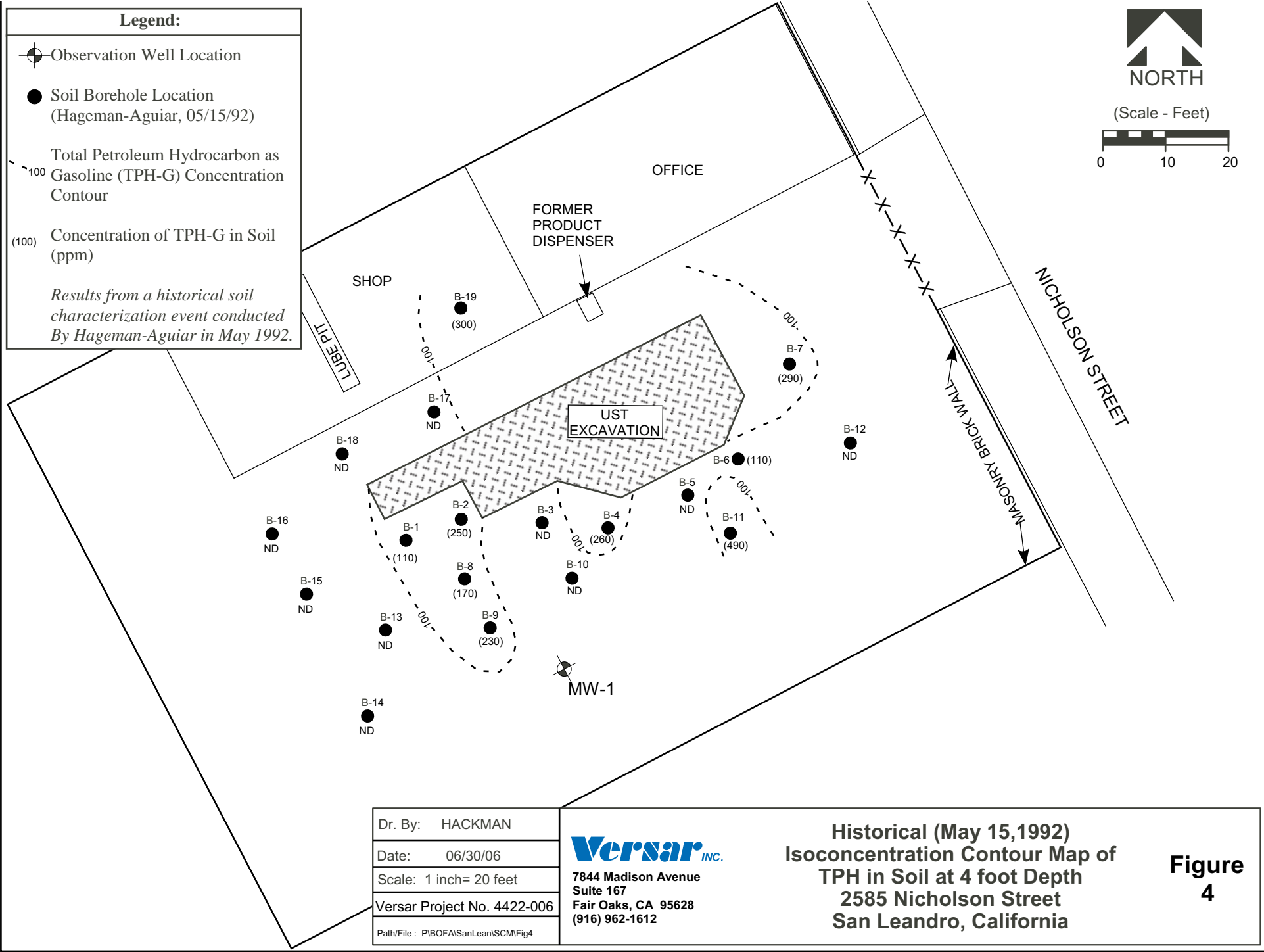


Dr. By: HACKMAN
Date: 11/28/06
Scale: 1 inch= 60 feet
Versar Project No. 4422-006
Path/File : P:\BOFA\SanLean\SCM\Fig2

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**SITE WELL AND BORING
LOCATION MAP
2585 Nicholson Street
San Leandro, California**

**Figure
3**

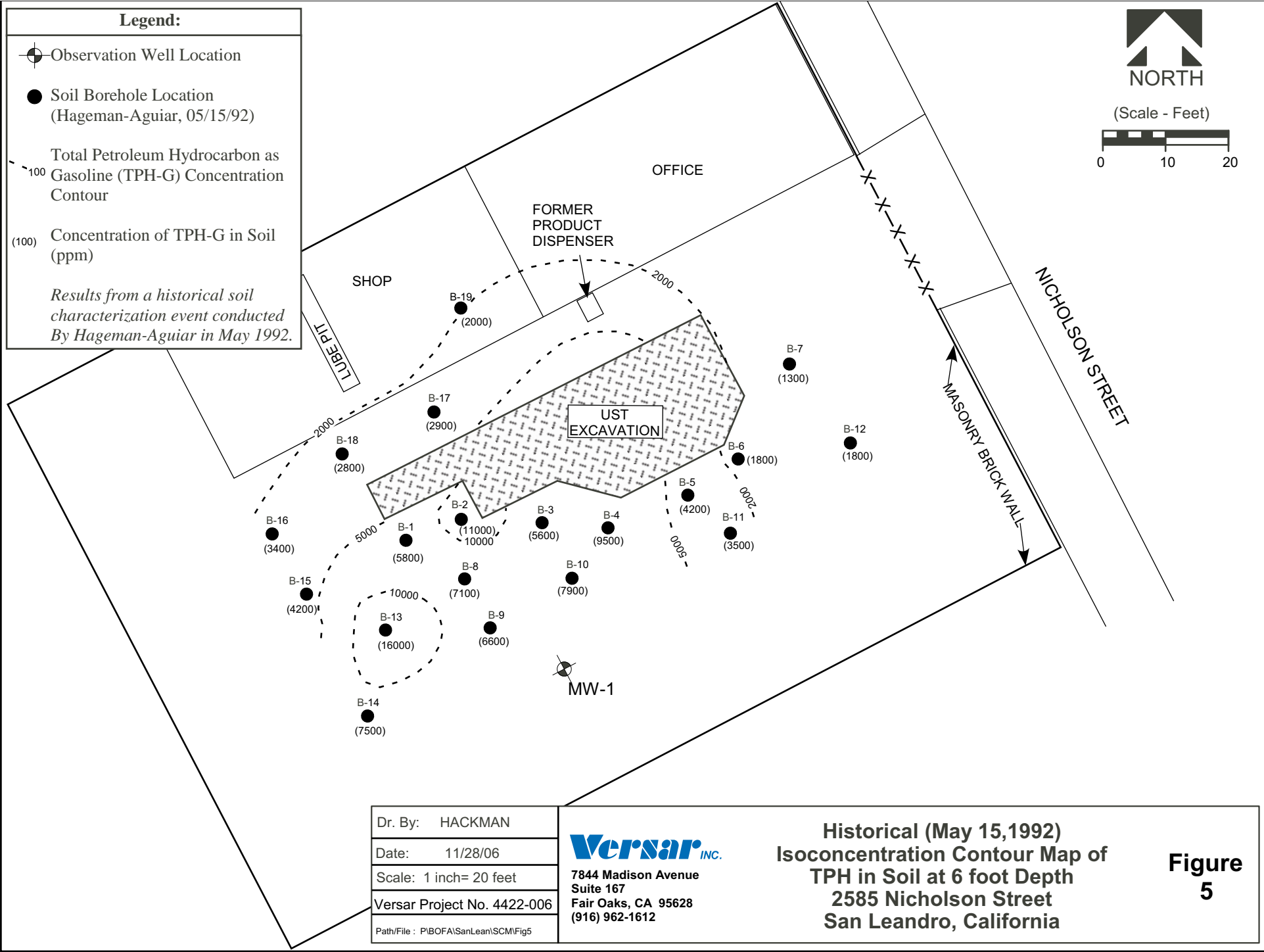


Dr. By: HACKMAN
 Date: 06/30/06
 Scale: 1 inch= 20 feet
 Versar Project No. 4422-006
 Path/File : P:\BOFA\SanLean\SCM\Fig4

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**Historical (May 15,1992)
 Isoconcentration Contour Map of
 TPH in Soil at 4 foot Depth
 2585 Nicholson Street
 San Leandro, California**

**Figure
 4**



Dr. By: HACKMAN
 Date: 11/28/06
 Scale: 1 inch = 20 feet
 Versar Project No. 4422-006
 Path/File : P:\BOFA\SanLean\SCM\Fig5

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**Historical (May 15, 1992)
 Isoconcentration Contour Map of
 TPH in Soil at 6 foot Depth
 2585 Nicholson Street
 San Leandro, California**

**Figure
 5**



Republic Avenue

Nicholson Street

Commercial Building
(2553 Nicholson)

Property Boundary
Crane Works, Inc.






Concrete Paving

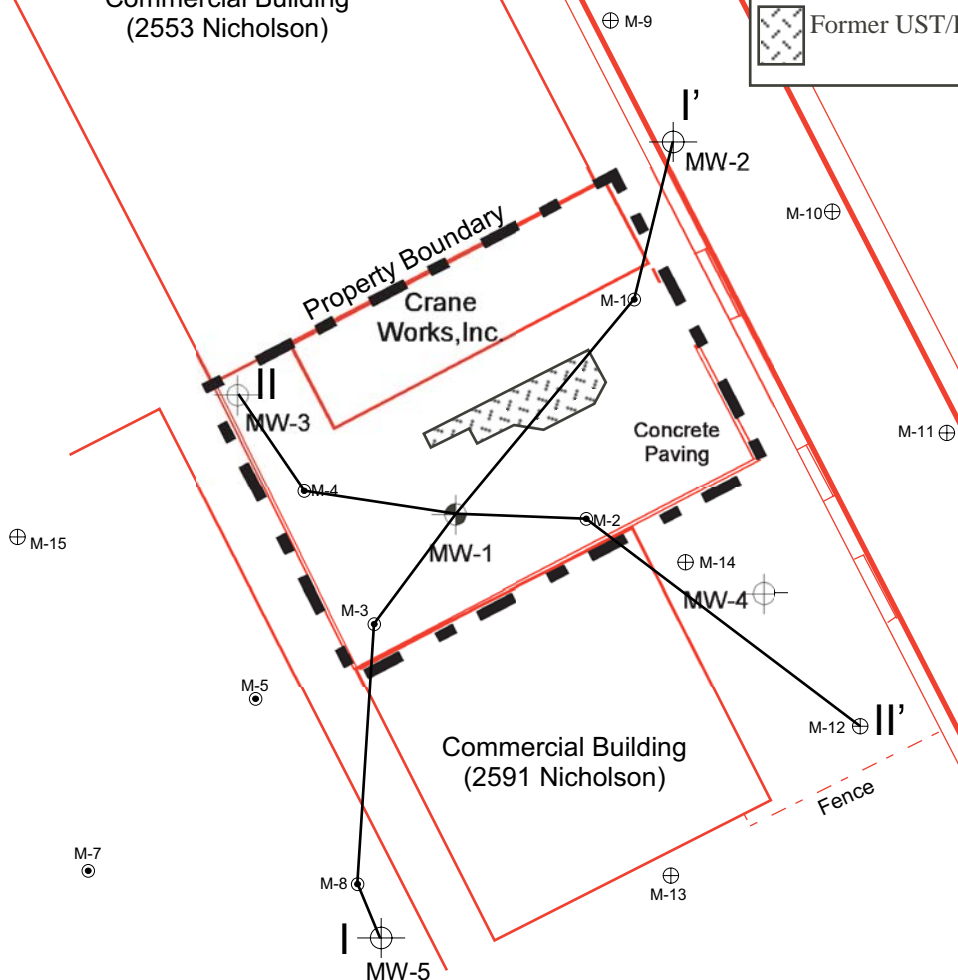
AC Paving

Commercial Building
(2591 Nicholson)

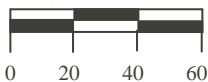
Fence

Legend:

-  Observation Well Location
-  Former Observation Well
-  Soil/Groundwater Boring Location (McLaren/Hart, 06/19/97)
-  Groundwater Boring Location (McLaren/Hart, 03/18/98)
-  Former UST/Excavation Area



(Scale - Feet)

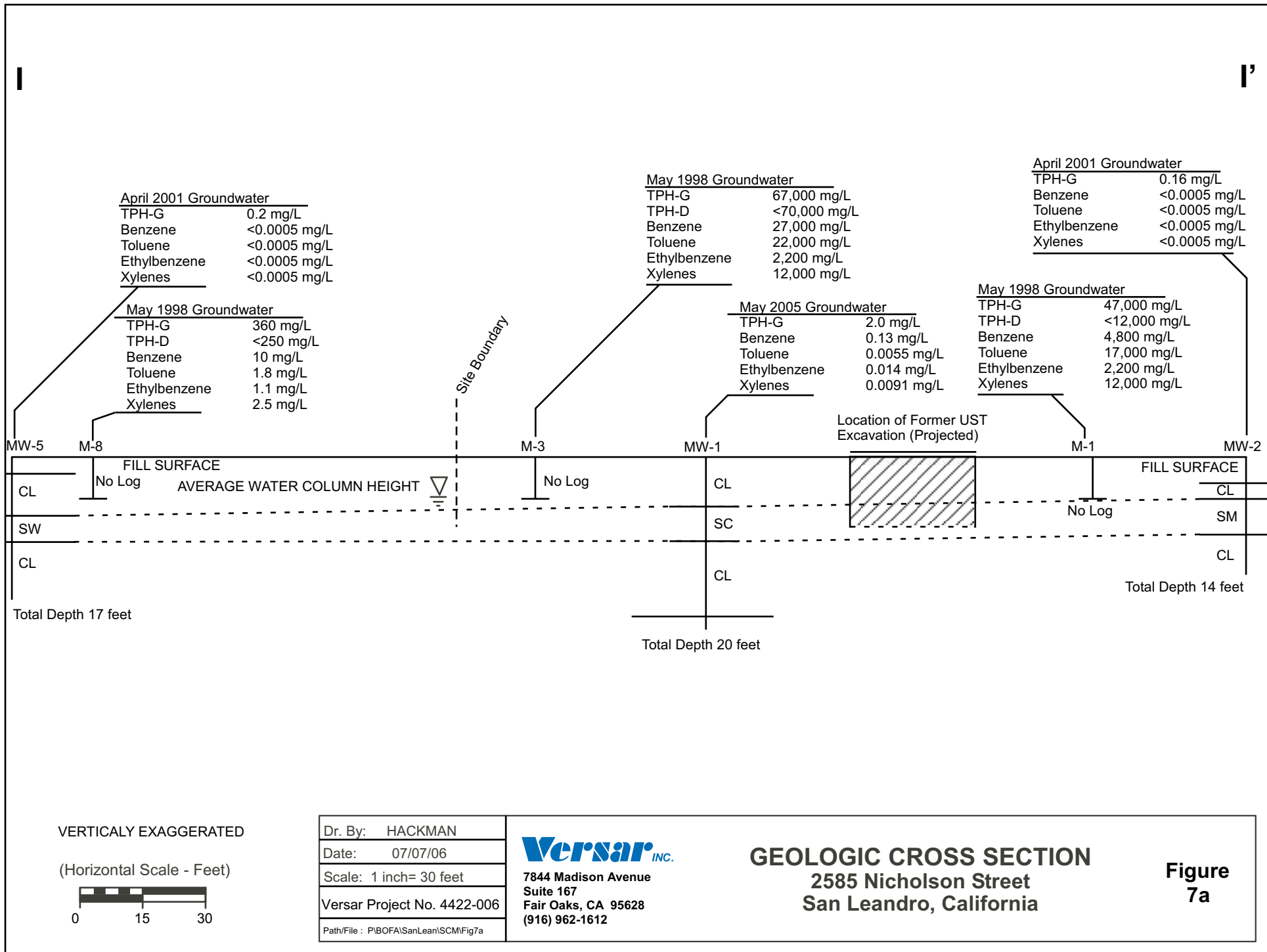


Dr. By: HACKMAN
Date: 03/10/06
Scale: 1 inch= 60 feet
Versar Project No. 4422-006
Path/File : P:\BOFA\SanLean\SCM\Fig6

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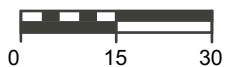
CROSS SECTION INDEX MAP
 2585 Nicholson Street
 San Leandro, California

Figure 6



VERTICALLY EXAGGERATED

(Horizontal Scale - Feet)



Dr. By:	HACKMAN
Date:	07/07/06
Scale:	1 inch= 30 feet
Versar Project No.	4422-006
Path/File :	PIBOFA\SanLean\SCM\Fig7a



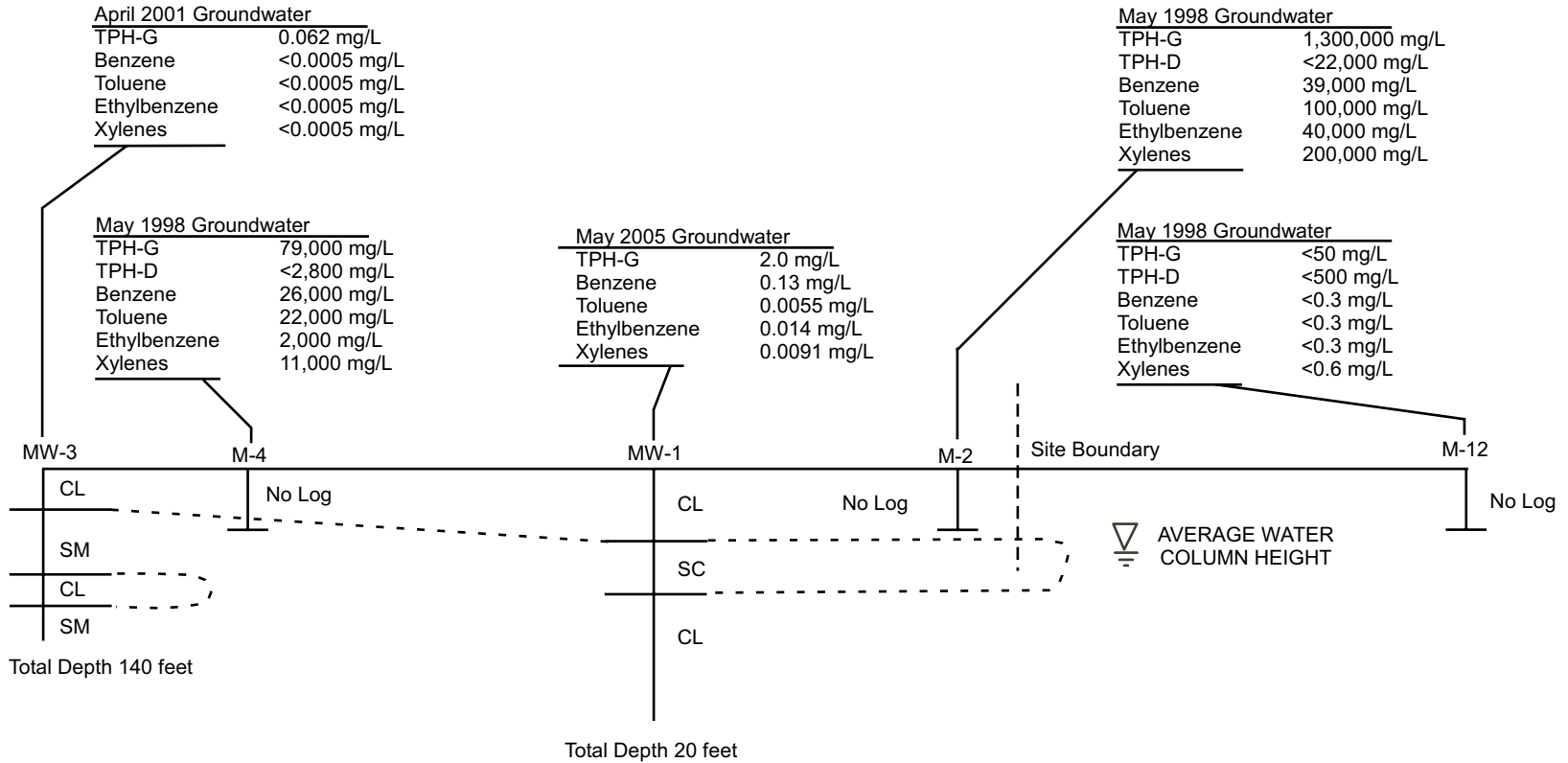
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Suite 167
Fair Oaks, CA 95628
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GEOLOGIC CROSS SECTION
2585 Nicholson Street
San Leandro, California

Figure 7a

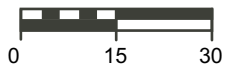
II

II'



VERTICALLY EXAGGERATED

(Horizontal Scale - Feet)



Dr. By:	HACKMAN
Date:	07/07/06
Scale:	1 inch= 30 feet
Versar Project No.	4422-006
Path/File :	PIBOFA\SanLean\SCM\Fig7b

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GEOLOGIC CROSS SECTION
 2585 Nicholson Street
 San Leandro, California

Figure
7b



Republic Avenue

Nicholson Street

MW-1
TPH-G
April '01: 13,000
Oct. '01: 1,800
April '02: 3,800
Jan. '03: 14,000
Nov. '03: 13,000
April '04: 9,600
Nov. '04: 5,500
May '05: 2,000

Commercial Building

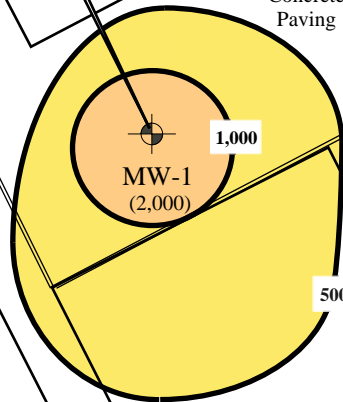
Crane Works, Inc.

MW-2
April 2001, (160)

MW-3
April 2001, (62)

Concrete Paving

AC Paving



MW-4
April 2001, (130)

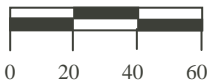
AC Paving

MW-5
April 2001, (200)

Legend:

- Observation Well Location
- (200) Total Petroleum Hydrocarbon - Gasoline (TPH-G) Concentration (Micrograms Per Liter)
- Contour of Equal Concentration (Micrograms Per Liter)

(Scale - Feet)



Dr. By: HACKMAN
Date: 03/10/06
Scale: 1 inch= 60 feet
Versar Project No. 4422-006

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**TPH-G Isoconcentration
 Contour Map For Groundwater**
 2585 Nicholson Street
 San Leandro, California

**Figure
8**



Republic Avenue

Nicholson Street

MW-1
Benzene
April '01: 1,200
Oct. '01: 210
April '02: 380
Jan. '03: 1,200
Nov. '03: 1,900
April '04: 1,200
Nov. '04: 1,100
May '05: 130

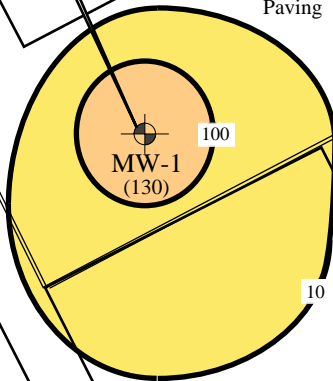
Commercial Building

Crane Works, Inc

Concrete Paving

MW-3
April 2001, (<0.5)

AC Paving



MW-2
April 2001, (<0.5)

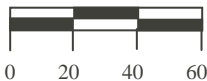
MW-4
April 2001, (<0.5)

MW-5
April 2001, (<0.5)

Legend:

- Observation Well Location
- (<0.5) Benzene Concentration (Micrograms Per Liter)
- Contour of Equal Concentration (Micrograms Per Liter)

(Scale - Feet)



Dr. By: HACKMAN
Date: 03/10/06
Scale: 1 inch= 60 feet
Versar Project No. 4422-006

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**Benzene Isoconcentration
 Contour Map For Groundwater**
 2585 Nicholson Street
 San Leandro, California

Figure 9

ATTACHMENT II

SUMMARY TABLES

Table 1
Historical Analytical Results for Soil
 2585 Nicholson Street
 San Leandro, California

Sample Location	Date	Depth (ft)	Constituents of Concern									
			TPH as Gasoline (mg/kg)	TPH as Diesel (mg/kg)	Motor Oil C22-C32 (mg/kg)	Total Recoverable Hydrocarbons (mg/kg)	TPH as Kerosene (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)
SFRWQCB ESLs (Commercial Land Use)			100	100	1,000	100*	100*	0.044	2.9	3.3	2.3	0.023
M-1	6/19/1997	6	1,100	--	<500	--	--	4.5	45	4.1	110	<40
M-2	6/19/1997	5	330	--	<1,000	--	--	2.1	16	7.1	37	<8
M-3	6/19/1997	5	790	--	<200	--	--	1.3	23	17	37	<8
M-4	6/19/1997	5	210	--	<100	--	--	2.5	18	6.9	36	<8
M-5	6/19/1997	5	<1.0	--	1.5	--	--	<0.005	<0.005	<0.005	<0.01	<0.08
M-8	6/19/1997	5	<1.0	--	<1.0	--	--	<0.005	<0.005	<0.005	<0.01	<0.08
B-1	5/15/1992	4	--	--	--	100	--	--	--	--	--	--
		6	--	--	--	5,800	--	--	--	--	--	--
B-2	5/15/1992	4	--	--	--	250	--	--	--	--	--	--
		6	--	--	--	11,000	--	--	--	--	--	--
B-3	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	5,600	--	--	--	--	--	--
B-4	5/15/1992	4	--	--	--	260	--	--	--	--	--	--
		6	--	--	--	9,500	--	--	--	--	--	--
B-5	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	4,200	--	--	--	--	--	--
B-6	5/15/1992	4	--	--	--	59	--	--	--	--	--	--
		6	--	--	--	1,800	--	--	--	--	--	--
B-7	5/15/1992	4	--	--	--	280	--	--	--	--	--	--
		6	--	--	--	1,300	--	--	--	--	--	--
B-8	5/15/1992	4	--	--	--	170	--	--	--	--	--	--
		6	--	--	--	7,100	--	--	--	--	--	--
B-9	5/15/1992	4	--	--	--	230	--	--	--	--	--	--
		6	--	--	--	6,600	--	--	--	--	--	--
B-10	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	9,900	--	--	--	--	--	--
B-11	5/15/1992	4	--	--	--	490	--	--	--	--	--	--
		6	--	--	--	3,800	--	--	--	--	--	--
B-12	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	1,800	--	--	--	--	--	--
B-13	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	16,000	--	--	--	--	--	--
B-14	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	7,500	--	--	--	--	--	--
B-15	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	4,200	--	--	--	--	--	--
B-16	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	3,400	--	--	--	--	--	--
B-17	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	2,900	--	--	--	--	--	--
B-18	5/15/1992	4	--	--	--	<50	--	--	--	--	--	--
		6	--	--	--	2,800	--	--	--	--	--	--
B-19	5/15/1992	4	--	--	--	300	--	--	--	--	--	--
		6	--	--	--	2,000	--	--	--	--	--	--
MW-1	6/2/1992	4	18	<1.0	<10	--	<1.0	0.2	0.18	0.022	0.76	--
		6	11,000	190	<10	--	<1.0	32	59	44	17	--

Notes and Abbreviations:

Analytical Results for borings B-1 through B-19 and MW-1 are from the Hageman-Aguilar document "Report of Subsurface Investigation" dated July 29, 1992.

Analytical Results for borings M-1 through M-15 are from the McLaren Hart document "Soil and Groundwater Characterization" dated May 1, 1998.

SFRWQCB Environmental Screening Levels (ESLs) found in Table A of the "Environmental Screening Levels Lookup Tables" February 2005

TPH = total petroleum hydrocarbons

mg/kg = milligrams per kilogram, equivalent to part per million (ppm)

-- = not analyzed

MTBE = methyl tert-butyl ether

< = less than laboratory test method detection limit

bold = Greater than the SFRWQCB ESL

* = Most conservative TPH ESL for commercial land use

Table 2
 Historical Analytical Results for Groundwater
 2585 Nicholson Street
 San Leandro, California

Constituents of Concern									
Sample Location	Date	TPH-G (ug/L)	TPH-D (ug/L)	Motor Oil C22-C32 (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)
SFRWQCB ESLs		100	100	100	1	40	30	20	5
M-1	5/1/1998	47,000	<12,000	<12,000	4,800	17,000	2,200	12,000	<500
M-2	5/1/1998	1,300,000	<22,000	<22,000	39,000	100,000	40,000	200,000	14,000
M-3	5/1/1998	67,000	<70,000	<70,000	27,000	22,000	2,200	12,000	<1,000
M-4	5/1/1998	79,000	<2,800	<2,800	26,000	22,000	2,000	11,000	<1,000
M-5	5/1/1998	1,500	<1,000	<1,000	350	17	150	37	19
M-6	5/1/1998	<50	<2,800	<2,800	<0.5	<0.5	<0.5	<1.5	<1.0
M-7	5/1/1998	<50	<1,600	3,400	<0.5	<0.5	<0.5	<1.5	<1.0
M-8	5/1/1998	360	<250	510	10	1.8	1.1	2.5	12
M-9	5/1/1998	<50	<50	290	0.43	<0.3	<0.3	<0.6	12
M-10	5/1/1998	<50	260	970	<0.3	<0.3	<0.3	<0.6	<1.0
M-11	5/1/1998	<50	270	680	<0.3	<0.3	<0.3	<0.6	<1.0
M-12	5/1/1998	<50	<500	4,000	<0.3	<0.3	<0.3	<0.6	<1.0
M-13	5/1/1998	<50	<50	110	<0.3	<0.3	<0.3	<0.6	<1.0
M-14	5/1/1998	<50	<250	1,800	0.75	<0.3	<0.3	<0.6	18
M-15	5/1/1998	<50	<500	2,200	<0.3	<0.3	<0.3	<0.6	<1.0

Notes and Abbreviations:

Analytical Results for borings M-1 through M-15 are from the McLaren Hart document "Soil and Groundwater Characterization" date SFRWQCB ESLs found in Table A of the "Environmental Screening Levels Lookup Tables" February 2005

TPH-G = total petroleum hydrocarbons as gasoline

TPH-D = total petroleum hydrocarbons as diesel

ug/L = micrograms per liter, equivalent to parts per billion (ppb)

bold = Greater than the SFRWQCB ESL

< = less than laboratory test method detection

MTBE = methyl tert-butyl ether

Table 3
Analytical Results for Groundwater
2585 Nicholson Street
San Leandro, California

Monitoring Well No.	Date	Chemicals of Concern									Chemicals of Concern/Bioremediation Indicators						
		TPH-G (µg/L)	TPH-D (µg/L)	TPH-MO (µg/L)	TPH-K (µg/L)	TPH-SS (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Methane (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Alkalinity (mg/L)	Redox (mV)	Dissolved Oxygen (mg/L)	
SFRWQCB ESLs		100	100	100	--	--	1	40	30	20	--	45*	500*	--	--	--	
MW-1	Jun-92	10,000	<50	--	--	--	110	81	62	280	--	--	--	--	--	--	
	Nov-92	9,800	ND	--	--	--	23	14	22	96	--	--	--	--	--	--	
	Apr-93	18,000	560	ND	ND	370	42	47	50	190	--	--	--	--	--	--	
	Jul-93	27,000	ND	ND	ND	ND	40	45	63	190	--	--	--	--	--	--	
	Dec-93	7,800	3,800	ND	ND	ND	13	16	20	77	--	--	--	--	--	--	
	Mar-94	280,000	620	ND	ND	3,300	970	880	620	1,700	--	--	--	--	--	--	--
	Jun-94	8,500	ND	ND	ND	ND	23	13	8.5	19	--	--	--	--	--	--	
	Sep-94	2,400	52	ND	ND	ND	5.3	2.6	2.5	6	--	--	--	--	--	--	
	Dec-94	4,800	1,300	ND	ND	1,000	32	32	16	50	--	--	--	--	--	--	--
	Apr-95	74,000	3,700	ND	ND	570	320	350	350	940	--	--	--	--	--	--	--
	Sep-95	33,000	46,000	ND	ND	4,900	140	270	260	1,100	--	--	--	--	--	--	--
	Jun-97	20,000	ND	ND	--	--	1,400	2,800	530	6,900	--	--	--	--	--	--	--
	May-99	8,100	ND	ND	--	--	1,400	31	82	360	--	--	--	--	--	--	--
	Jul-99	3,500	1,700	--	--	--	252	23	43	179	--	--	--	--	--	--	--
	Oct-99	4,900	--	--	--	--	270	34	<5	370	--	--	--	--	--	--	--
	Jan-00	22,400	<500	--	--	--	1,300	402	483	2,490	2590	0.27	46	576	-106	2.51	
	Apr-00	13,000	--	--	--	--	1,130	226	335	1,410	3.1	<0.20	14	614	137	0.94	
	Jul-00	28,400	<50	<500	--	--	1,470	190	299	967	2170	<0.5	13	524	-167	1.01	
	Oct-00	12,900	--	--	--	<1,000	1,000	197	353	1,400	2660	<0.5	32	578	-107	0.69	
	Jan-01	17,800	--	--	--	--	957	146	353	1,060	156	<0.1	10	558	-156	1.17	
	Apr-01	13,000	<50	--	--	--	1,200	170	450	1,300	2300	<0.5	<4.0	560	-132	0.12	
Oct-01	1,800	--	--	--	--	210	20	47	82	--	--	--	--	--	--	--	
Apr-02	3,800	--	--	--	--	380	37	80	120	--	--	--	--	--	--	--	
Jan-03	14,000	--	--	--	--	1,200	130	250	310	--	--	--	--	--	--	--	
Nov-03	13,000	--	--	--	--	1,900	92	210	190	--	--	--	--	--	--	--	
Apr-04	9,600	--	--	--	--	1,200	68	410	260	--	--	--	--	--	--	--	
Nov-04	5,500	--	--	--	--	1,100	28	97	72.8	--	--	--	--	--	--	--	
May-05	2,000	--	--	--	--	130	5.5	14	9.1	--	--	--	--	--	--	--	
MW-2	Apr-99	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	ND	--	--	--	
	Jul-99	<100	<100	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	
	Oct-99	<100	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	
	Jan-00	118	--	--	--	--	0.7	<0.5	<0.5	<0.5	1.5	3.04	82	530	-048	1.63	
	Apr-00	<50	--	--	--	--	0.5	<0.5	<0.5	<0.5	<0.01	24	75	498	195	0.93	
	Jul-00	<400	--	--	--	--	0.8	<0.5	<0.5	<0.5	3.1	6.3	59	706	-015	1.05	
	Oct-00	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.0	2.5	24	24	546	164	2.63	
	Jan-01	104	--	--	--	--	<0.5	<0.5	<0.5	<0.5	1.9	5.5	90	468	185	7.97	
	Apr-01	160	--	--	--	--	<0.5	<0.5	<0.5	<0.5	2.2	22	230	520	159	1.63	
	Oct-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Jan-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	Apr-99	ND	540	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	
	Jul-99	300	<100	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	
	Oct-99	230	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--	
	Jan-00	163	<50	--	--	--	0.8	<0.5	<0.5	<0.5	--	--	--	--	--	--	
	Apr-00	90	--	--	--	--	0.7	<0.5	<0.5	<0.5	--	--	--	--	--	--	
	Jul-00	<400	--	--	--	--	2.0	<0.5	<0.5	<0.5	13	1.37	45	346	-055	2.61	
	Oct-00	<50	--	--	--	--	<0.5	<0.5	<0.5	<1.0	0.02	3.2	20	304	061	0.98	
	Jan-01	62	--	--	--	--	<0.5	<0.5	<0.5	<0.5	31	1.9	44	312	069	0.95	
	Apr-01	62	--	--	--	--	<0.5	<0.5	<0.5	<0.5	42	8.9	47	366	-009	2.28	
	Oct-01	--	--	--	--	--	--	--	--	--	16	2.2	28	368	157	7.34	
	Apr-02	--	--	--	--	--	--	--	--	--	12	6.1	42	370	001	2.49	
	Jan-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table 3
Analytical Results for Groundwater
 2585 Nicholson Street
 San Leandro, California

Monitoring Well No.	Date	Chemicals of Concern									Chemicals of Concern/Bioremediation Indicators					
		TPH-G (µg/L)	TPH-D (µg/L)	TPH-MO (µg/L)	TPH-K (µg/L)	TPH-SS (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Methane (µg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Alkalinity (mg/L)	Redox (mV)	Dissolved Oxygen (mg/L)
SFRWQCB ESLs		100	100	100	--	--	1	40	30	20	--	45*	500*	--	--	--
MW-4	Apr-99	110	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--
	Jul-99	120	<100	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	Oct-99	<100	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	Jan-00	106	--	--	--	--	0.9	<0.5	<0.5	<0.5	--	--	--	--	-060	1.49
	Apr-00	99	--	--	--	--	1.0	<0.5	<0.5	<0.5	--	--	--	--	181	0.94
	Jul-00	--	--	--	--	--	--	--	--	--	--	--	--	--	033	0.76
	Oct-00	139	--	--	--	--	0.6	<0.5	<0.5	<1.0	--	--	--	--	132	3.05
	Jan-01	85	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	189	11.2
	Apr-01	130	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	107	1.6
	Oct-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Jan-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	Apr-99	270	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--
	Jul-99	570	<100	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	Oct-99	540	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	--	--	--
	Jan-00	231	--	--	--	--	1.9	<0.5	<0.5	<0.5	--	--	--	--	-072	1.91
	Apr-00	353	--	--	--	--	3.5	<0.5	<0.5	<0.5	--	--	--	--	116	1.48
	Jul-00	<400	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	-045	1.02
	Oct-00	156	--	--	--	--	1.0	<0.5	<0.5	<1.0	--	--	--	--	125	0.96
	Jan-01	<50	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	201	11.97
	Apr-01	200	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	73	2.21
	Oct-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Jan-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Apr-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes and Abbreviations:

* = California Environmental Protection Agency (CA EPA) Maximum Contaminant Level (MCL) found in the CA EPA RWQCB Water Quality Goals "Lookup Tables" August 2003

SFRWQCB ESLs found in Table A of the "Environmental Screening Levels Lookup Tables" February 2005

TPH-G = total petroleum hydrocarbons as gasoline.

TPH-D = total petroleum hydrocarbons as diesel.

TPH-K = total petroleum hydrocarbons as kerosene.

TPH-SS = total petroleum hydrocarbons as stoddard solvent.

µg/L = micrograms per liter, equivalent to parts per billion (ppb).

mg/L = milligrams per liter, equivalent to parts per million (ppm).

ND = not detected at or above the methods reporting limit.

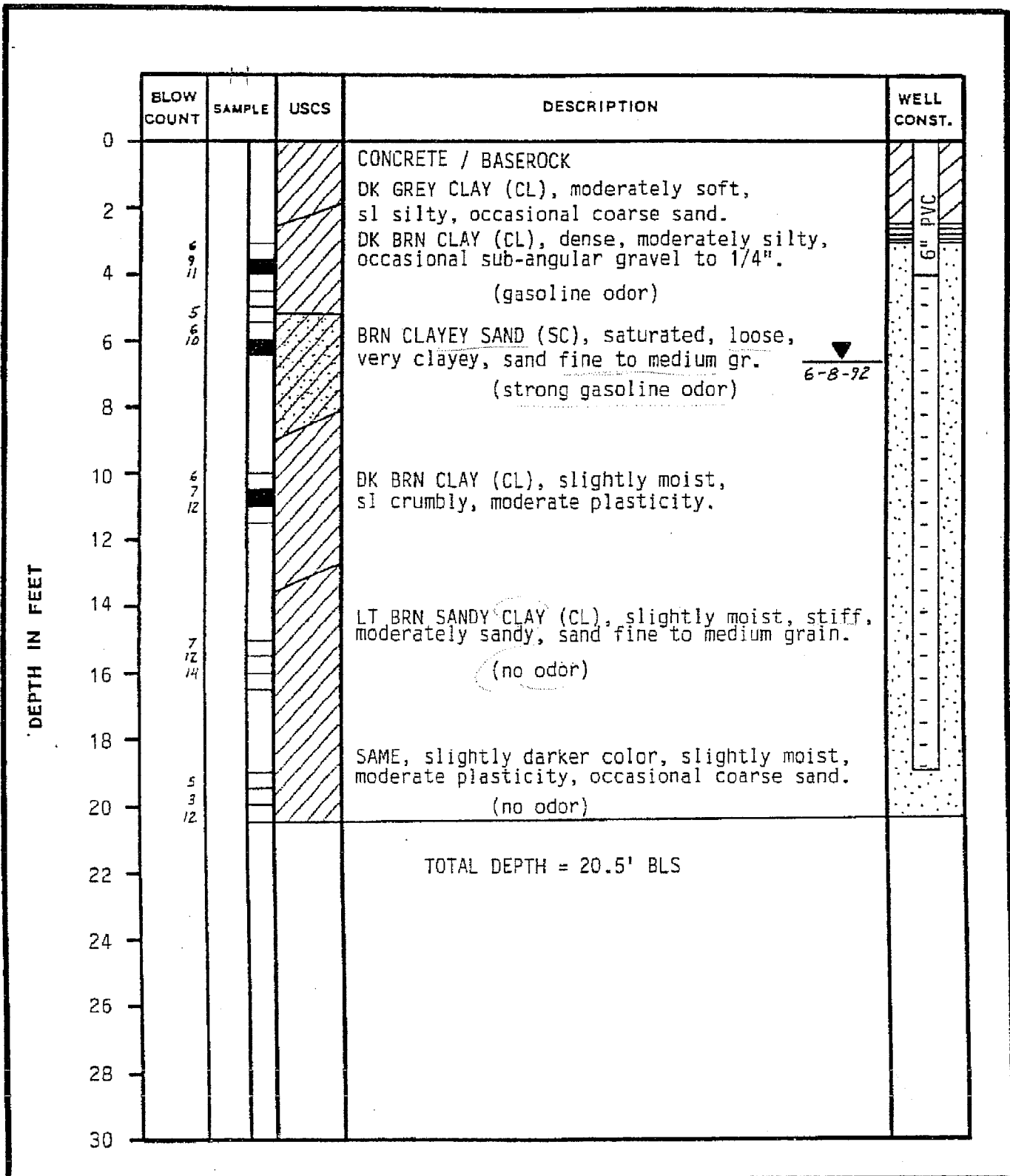
bold = Greater than the SFRWQCB ESL

ESL = Environmental Screening Level

-- = not analysed

ATTACHMENT III

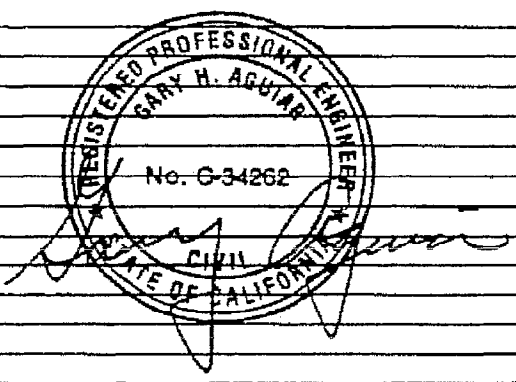
COMPLETE SET OF AVAILABLE BORING LOGS



HAGEMAN - AGUIAR, INC.	LOG OF MONITORING WELL MW-1 Rodding-Cleaning Service 2585 Nicholson Street, San Leandro, CA	FIGURE 8
DATE June 2, 1992	PROJECT NO.	
TOC ELEVATION	EQUIPMENT 12" Hollow Stem Auger	

LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG			BORING B - 1
	SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS			SHT 1 of 1 DRILLING
	WATER LEVEL			START TIME 0745
	TIME			FINISH TIME 0800
	DATE			DATE
	CASING DEPTH		SCREEN	5/15/92 5/15/92
	SCALE: 1" =			

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK GREY SAND (FILL/BASE)
					2		DK BRN CLAY (CL), NEARLY DRY, STIFF, OCCASIONAL COARSE SAND
					3		
2" SPLIT	18	16	2 1/4	0750	4		SAME (PETROLEUM ODOR)
					5		BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN. MODERATELY CLAYEY
2" SPLIT	18	18	4 1/8	0800	6		GREY BRN SAND & GRAVEL (GW), SATURATED, LOOSE, SAND FINE TO MEDIUM, GRAVEL MEDIUM GRAIN
					7		
					8		(PETROLEUM ODOR)
					9		
					0		TOTAL DEPTH = 6 1/2' BLS
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

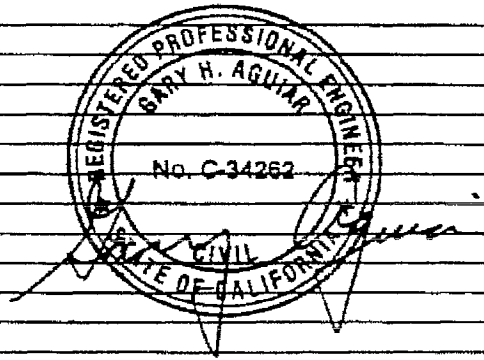


HAGEMAN - AGUIAR, INC.

LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG		BORING B - 2	
SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS		SHT 1 of 1		
WATER LEVEL		START	FINISH	
TIME		TIME	TIME	
DATE		DATE	DATE	0800 0815
CASING DEPTH		SCREEN	5/15/92 5/15/92	

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), SLIGHTLY MOIST, STIFF, OCCASIONAL SUB-ANGULAR GRAVEL TO 1/2"
					2		
					3		
2" SPLIT	18	18	5/10/8	0807	4		SAME (SLIGHT PETROLEUM ODDR)
					5		
2" SPLIT	18	18	5/8/6	0812	6		GREY BRN CLAYEY SILT (ML), MOIST GREY SAND & GRAVEL (GW), SATURATED, (STRONG GASOLINE ODDR)
					7		
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

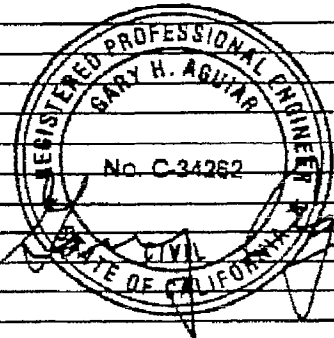


HAGEMAN - AGUIAR, INC.

LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING-CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG			BORING B-3
	SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS			SHT 1 of 1
	WATER LEVEL			START
	TIME			FINISH
	DATE			0815 0825
	CASING DEPTH		SCREEN	DATE
				5/15/92 5/15/92

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		BRN SAND & GRAVEL (BASEROCK)
					2		
					3		DK BRN CLAY (CL), SLIGHTLY MOIST, SLIGHTLY CRUMBLY
2" SPLIT	18	18	5/8/10	0820	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN, OCCASIONAL GRAVEL TO 1/2"
2" SPLIT	18	18	4/8/12	0825	6		
					7		DK GREY SAND & GRAVEL, SATURATED (STRONG GASOLINE ODOR)
					8		
					9		
					0		TOTAL DEPTH = 6 1/2' BLS
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



HAGEMAN - AGUIAR, INC.

LOCATION OF BORING
SEE SITE MAP

PROJECT NAME & LOCATION

RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO

DRILLING METHOD:

6" SOLID STEM AUGER

CME - 45 DRILL RIG

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER

WITH BRASS LINERS

WATER LEVEL

TIME

DATE

CASING DEPTH

BORING

B-4

SHT

1 of 1

DRILLING

START

TIME

0830

DATE

5/15/92

FINISH

TIME

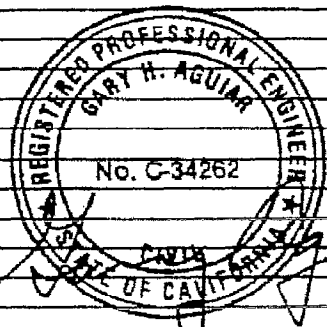
0845

DATE

5/15/92

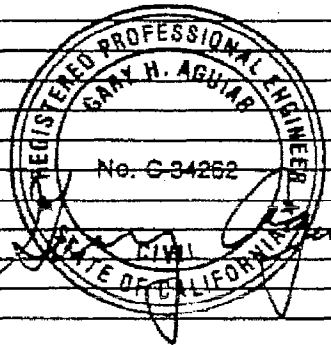
SCALE: 1" =

SAMPLER	Inches DRIVEN	Inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		BRN SAND & GRAVEL (BASEROCK)
					2		
					3		DK BRN CLAY (CL), NEARLY DRY, STIFF, OCCASIONAL COARSE SAND
2" SPT	18	18	4/6/11	0840	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPT	18	18	3/4/7	0845	6		GREY SAND (SP), SATURATED, FINE GRAIN, SLIGHTLY CLAYEY, OCCASIONAL ROUNDED GRAVEL TO 1"
					7		(STRONG GASOLINE ODOR)
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION			
	RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD:			BORING
	6" SOLID STEM AUGER			B - 5
	CME - 45 DRILL RIG			SHT
	SAMPLING METHOD:			1 of 1
	2" SPLIT BARREL SAMPLER			DRILLING
	WITH BRASS LINERS			START TIME
	WATER LEVEL			FINISH TIME
	TIME			DATE
DATE			DATE	
CASING DEPTH			SCREEN	
SCALE: 1" =			5/15/92	
			5/15/92	

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		
					2		DK BRN CLAY (CL), NEARLY DRY, STIFF
					3		
2" SPLIT	18	18	4/5/12	0855	4		SAME (SLIGHT PETROLEUM ODOR)
					5		GREY BRN CLAYEY SAND (SH), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	4/4/3	0900	6		GREY SAND (SP), SATURATED, FINE GRAIN SLIGHTLY CLAYEY
					7		(GASOLINE ODOR)
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

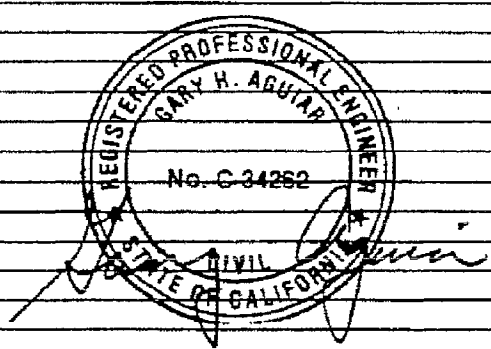


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LOCATION OF BORING		PROJECT NAME & LOCATION	
SEE SITE MAP		RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
		DRILLING METHOD:	BORING
		6" SOLID STEM AUGER	B - 6
		CME - 45 DRILL RIG	SHT
		SAMPLING METHOD:	1 of 1
		2" SPLIT BARREL SAMPLER	DRILLING
		WITH BRASS LINERS	START FINISH
		WATER LEVEL	TIME TIME
		TIME	0900 0915
		DATE	DATE DATE
		CASING DEPTH	5/15/92 5/15/92
		SCREEN	

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		
					2		DK BRN CLAY (CL), VERY STIFF
					3		
2" SPT	18	18	4/6/10	0907	4		SAME, SLIGHTLY MOIST, VERY STIFF (SLIGHT PETROLEUM ODOR)
2" SPLIT	18	0	LOST SAMPLE		5		
			COLLECT GRAE SAMPLE	0915	6		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
					7		GREY SAND (SP), SATURATED, FINE GRAIN, SLIGHTLY CLAYEY
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

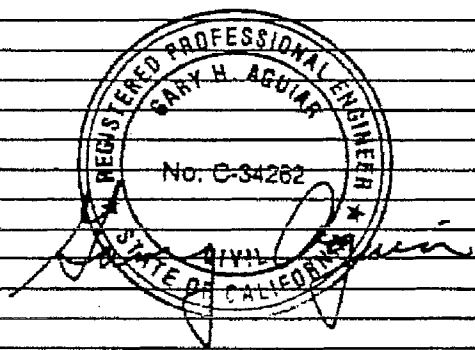


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LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING- CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
	DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG	BORING B- 7
	SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS	SHT 1 of 1 DRILLING
	WATER LEVEL	START TIME 0925
	TIME	FINISH TIME 0935
	DATE	DATE
	CASING DEPTH	SCREEN
		5/15/92
		5/15/92

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		
					2		DK BRN CLAY/CL), SLIGHTLY MOIST, STIFF
					3		
2" SPLIT	18	18	4/6/8	0930	4		(NO ODOR)
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	4/5/6	0935	6		DK GREY SAND (SP), SATURATED, COARSE GRAIN (STRONG GASOLINE ODOR)
					7		
					8		
					9		
					0		TOTAL DEPTH = 6 1/2' BLS
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		

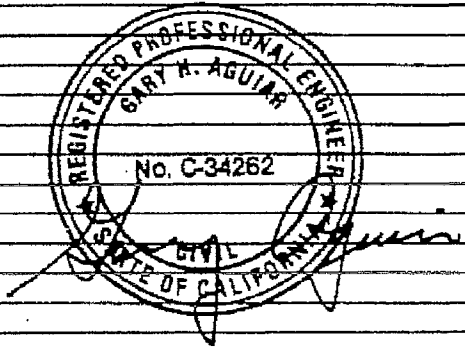


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LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO		
	DRILLING METHOD:	BORING	
	6" SOLID STEM AUGER	B - 8	
	CME- 45 DRILL RIG	SHT	
	SAMPLING METHOD:	1 of 1	
	2" SPLIT BARREL SAMPLER	DRILLING	
	WITH BRASS LINERS	START	FINISH
	WATER LEVEL	TIME	TIME
	TIME	0945	0955
	DATE	DATE	DATE
CASING DEPTH	SCREEN	5/15/92 5/15/92	

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		GREY SAND (BASE)
					2		DK BRN CLAY (CL), STIFF
					3		
2" SPLIT	18	18	4/6/8	0950	4		SAME, SLIGHTLY MOIST (SLIGHT PETROLEUM ODOR)
					5		GREY BRN CLAYEY SAND (SM), MOIST VERY FINE GRAIN
2" SPLIT	18	18	3/3/5	0955	6		DK GREY CLAYEY SAND & GRAVEL (GW), SATURATED, SLIGHTLY CLAYEY (PETROLEUM ODOR)
					7		
					8		
					9		
					0		TOTAL DEPTH = 6 1/2' BLS
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



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LOCATION OF BORING

SEE SITE MAP

PROJECT NAME & LOCATION

RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO

DRILLING METHOD:

6" SOLID STEM AUGER

CMP - 45 DRILL RIG

SAMPLING METHOD:

2" SPLIT BARREL SAMPLER

WITH BRASS LINERS

WATER LEVEL

TIME

DATE

CASING DEPTH

SCREEN

BORING

B - 9

SHT

1 of 1

DRILLING

START

TIME

1000

DATE

FINISH

TIME

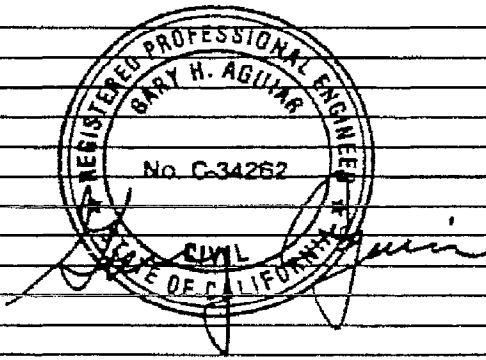
1015

DATE

5/15/92 5/15/92

SCALE: 1" =

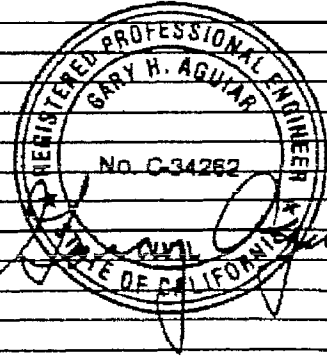
SAMPLER	Inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST
2" SPLIT	18	18	5/6/10	1005	4		THIN SANDY LAYER
					5		
					6		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	3/3/3	1012	6		
					7		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, (GASOLINE ODOR)
					8		
					9		
					10		TOTAL DEPTH = 6 1/2' BLS
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		



LOCATION OF BORING SEE SITE MAP		PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG		BORING B - 10	
SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS		SHT 1 of 1	
WATER LEVEL		START	FINISH
TIME		1015	1035
DATE		DATE	DATE
CASING DEPTH		SCREEN	
		5/15/92 5/15/92	

SCALE: 1" =

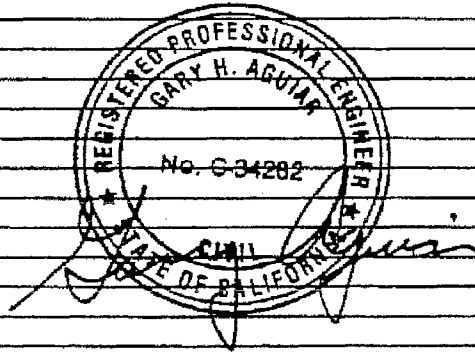
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK GREY BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST
2" SPLIT	18	18	4/6/8	1030	4		
					5		GREY BRN CLAYEY SAND (SM), SLIGHTLY MOIST, VERY FINE GRAIN
2" SPLIT	18	18	4/7/7	1035	6		
					7		DK GREY SAND (SP), SATURATED, FINE GRAIN, OCCASIONAL MEDIUM GRAIN (STRONG GASOLINE ODOR)
					8		
					9		
					10		TOTAL DEPTH = 6 1/2' BLS
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION			
	RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD:			BORING
	6" SOLID STEM AUGER			B - 11
	CME - 45 DRILL RIG			SHT
	SAMPLING METHOD:			1 of 1
	2" SPLIT BARREL SAMPLER			DRILLING
	WITH BRASS LINERS			START FINISH
	WATER LEVEL		TIME	TIME
			1040	1055
DATE		DATE	DATE	
		5/15/92	5/15/92	
CASING DEPTH		SCREEN		

SCALE: 1" =

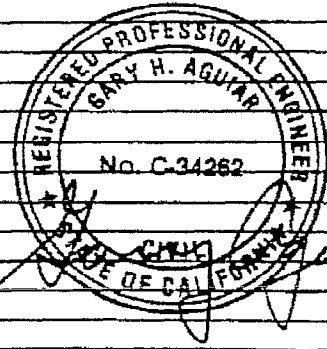
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		BRN SAND & GRAVEL (BASE)
					2		DK BRN CLAY (CL), NEARLY DRY, STIFF
					3		
					4		SAME, SLIGHTLY MOIST
2" SPLIT	18	18	3/4/8	1045	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	4/5/6	1055	6		GREY SAND & GRAVEL (GW), SATURATED, GRAVEL FINE GRAIN
					7		
					8		
					9		
					10		TOTAL DEPTH = 6 1/2' BLS
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION	
	RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
	DRILLING METHOD:	BORING
	6" SOLID STEM AUGER	B - 12
	CME - 45 DRILL RIG	SHT
	SAMPLING METHOD:	1 of 1
	2" SPLIT BARREL SAMPLER	DRILLING
	WITH BRASS LINERS	START FINISH
	WATER LEVEL	TIME TIME
	TIME	1100 1115
DATE	DATE DATE	
CASING DEPTH	SCREEN	5/15/92 5/15/92

SCALE: 1" =

SAMPLER	Inches DRIVEN	Inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		SAME, SLIGHTLY MOIST
2" SPLIT	18	18	4 6/7	1105	4		GREY BRN CLAYEY SAND (SM), MOIST VERY FINE GRAIN
2" SPLIT	18	18	—	1110	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					7		
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		

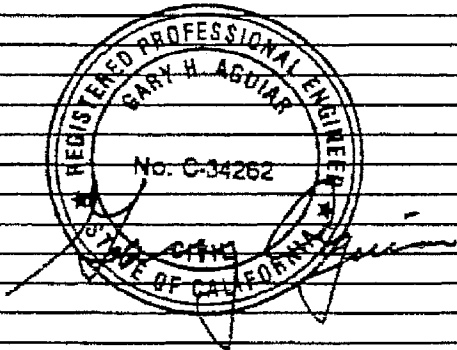


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LOCATION OF BORING SEE SITE MAP		PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
		DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG		BORING B - 13 SHT 1 of 1	
		SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS		DRILLING START TIME 1130	
		WATER LEVEL		FINISH TIME 1155	
		TIME		DATE	
		DATE		DATE	
		CASING DEPTH		SCREEN 5/15/92 5/15/92	

SCALE: 1" =

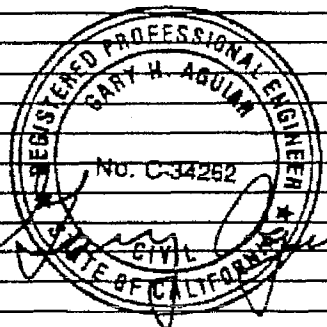
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST, OCCASIONAL ANGULAR & SUBANGULAR GRAVEL TO 1/2"
2" SPLIT	18	18	3/6/8	1150	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST VERY FINE GRAIN
2" SPLIT	18	18	4/5/6	1155	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					7		
					8		TOTAL DEPTH = 6 1/2' BLS
					9		
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



LOCATION OF BORING SEE SITE MAP		PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG		BORING B - 14	
SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS		SHT 1 of 1 DRILLING	
WATER LEVEL		START TIME	FINISH TIME
TIME		1200	1215
DATE		DATE	DATE
CASING DEPTH		SCREEN	
		5/15/92	5/15/92

SCALE: 1" =

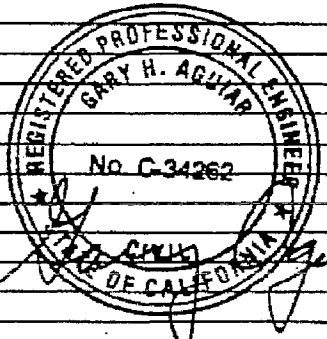
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST (NO ODOR)
2" SPLIT	18	18	4/6/8	1210	4		
					5		
2" SPLIT	18	18	3/4/5	1215	6		GREY BRN CLAYEY SAND (SM), MOIST VERY FINE GRAIN
					7		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					8		
					9		
					10		TOTAL DEPTH = 6 1/2' BLS
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		
					20		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING-CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD: 6" SOLID STEM AUGER CME - 45 DRILL RIG			BORING B - 15
SAMPLING METHOD: 2" SPLIT BARREL SAMPLER WITH BRASS LINERS			SHT 1 of 1	
WATER LEVEL			START	
TIME			TIME	
DATE			DATE	
CASING DEPTH		SCREEN	START	
			FINISH	
			6/15/92	
			5/15/92	

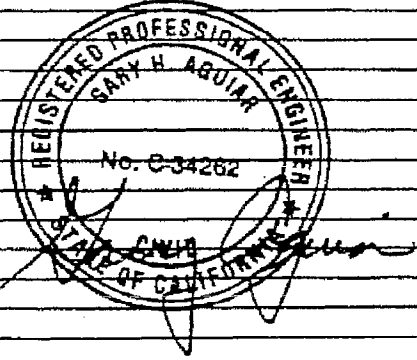
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SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST
2" SPT	18	18	4/18/12	1222	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPT	18	18	PUSH	1228	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					7		
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



LOCATION OF BORING SEE SITE MAP		PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO	
		DRILLING METHOD: 6" SOLID STEM AUGER	BORING B - 16
		CME - 45 DRILL RIG	SHT 1 of 1
		SAMPLING METHOD: 2" SPLIT BARREL SAMPLER	DRILLING
		WITH BRASS LINERS	START TIME 1230
		WATER LEVEL	FINISH TIME 1245
		TIME	DATE
		DATE	DATE
SCALE: 1" =		CASING DEPTH	5/15/92
		SCREEN	5/15/92

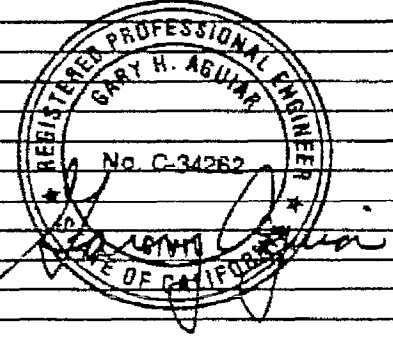
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		
					4		SAME, SLIGHTLY MOIST, STIFF
2" SPLIT	18	18	5/7/9	1237	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	PUSH	1245	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED GRAVEL FINE GRAIN
					7		
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



LOCATION OF BORING SEE SITE MAP	PROJECT NAME & LOCATION RODDING - CLEANING, 2585 NICHOLSON ST. SAN LEANDRO			
	DRILLING METHOD:			BORING
	6" SOLID STEM AUGER			B - 17
	CME - 45 DRILL RIG			SHT
	SAMPLING METHOD:			1 of 1
	2" SPLIT BARREL SAMPLER			DRILLING
	WITH BRASS LINERS			START FINISH
	WATER LEVEL			TIME TIME
	TIME			1255 1310
	DATE			DATE DATE
CASING DEPTH		SCREEN	5/15/92 5/15/92	

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		BRN SAND & GRAVEL (BASE)
					2		DK BRN CLAY (CL), NEARLY DRY, STIFF
					3		
					4		SAME, SLIGHTLY MOIST, STIFF (NO ODOR)
2" SPLIT	18	18	4/6/12	1300	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2" SPLIT	18	18	PUSH	1310	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					7		
					8		
					9		TOTAL DEPTH = 6 1/2' BLS
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



HAGEMAN - AGUIAR, INC.

LOCATION OF BORING
SEE SITE MAP

PROJECT NAME & LOCATION
RODDING-CLEANING, 2585 NICHOLSON ST. SAN LEANDRO

DRILLING METHOD:
6" SOLID STEM AUGER

BORING
B - 18

CME - 45 DRILL RIG

SHT

SAMPLING METHOD:
2" SPLIT BARREL SAMPLER
WITH BRASS LINERS

of
DRILLING

WATER LEVEL				START TIME	FINISH TIME
TIME				1320	1340
DATE				DATE	DATE

START TIME
1320

FINISH TIME
1340

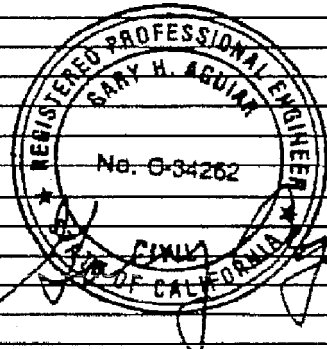
CASING DEPTH		SCREEN		DATE	DATE
				5/15/92	5/15/92

DATE
5/15/92

DATE
5/15/92

SCALE: 1" =

SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH In feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		
					3		SAME, SLIGHTLY MOIST
2" SPLIT	18	18	3/3/5	1330	4		
					5		GREY BRN CLAYEY SAND (SM), MOIST VERY FINE GRAIN
2" SPLIT	18	18	3/3/5	1340	6		GREY CLAYEY SAND & GRAVEL (GC), SATURATED, GRAVEL FINE GRAIN
					7		
					8		TOTAL DEPTH = 6 1/2' BLS
					9		
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



LOCATION OF BORING

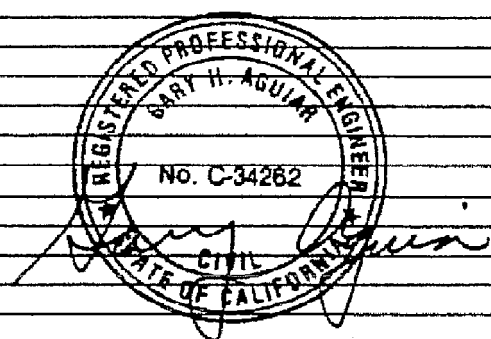
SEE SITE MAP

PROJECT NAME & LOCATION
RODDING- CLEANING, 2585 NICHOLSON ST. SAN LEANDRO

DRILLING METHOD:		BORING	
4" HAND AUGER		B - 19	
CME - 45 DRILL RIG		SHT	
SAMPLING METHOD:		1 of 1	
2" SPLIT BARREL SAMPLER		DRILLING	
WITH BRASS LINERS		START	FINISH
WATER LEVEL		TIME	TIME
TIME		1345	1415
DATE		DATE	DATE
CASING DEPTH		5/15/92	5/15/92
	SCREEN		

SCALE: 1" =

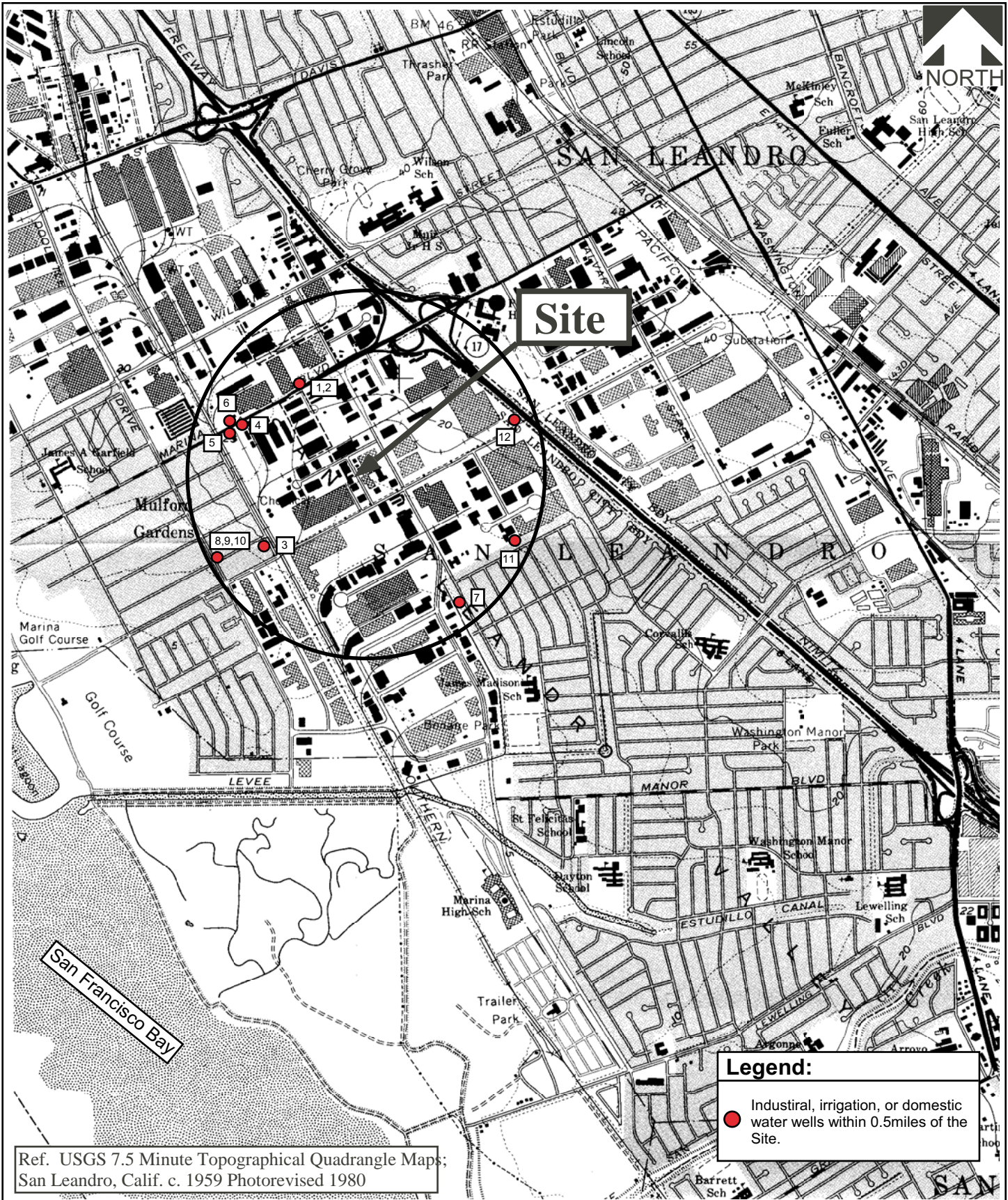
SAMPLER	inches DRIVEN	inches RECOVER	BLOW COUNT per 6 inches	TIME	DEPTH in feet	USCS	SURFACE CONDITIONS:
					0		CONCRETE
					1		DK BRN CLAY (CL), NEARLY DRY, STIFF
					2		OCCASIONAL SUB-ANGULAR GRAVEL TO 1"
					3		
2"	6	6		1400	4		SAME, SLIGHTLY MOIST
					5		GREY BRN CLAYEY SAND (SM), MOIST, VERY FINE GRAIN
2"	6	6		1415	6		(GASOLINE ODOR)
					7		
					8		TOTAL DEPTH = 6' BLS
					9		
					0		
					1		
					2		
					3		
					4		
					5		
					6		
					7		
					8		
					9		
					0		



HAGEMAN - AGUIAR, INC.

ATTACHMENT IV

SENSITIVE RECEPTOR MAP AND DESCRIPTION



Ref. USGS 7.5 Minute Topographical Quadrangle Maps;
 San Leandro, Calif. c. 1959 Photorevised 1980

Dr. By: SSH
 Date: 6/30/06
 Scale: 1 inch=2,000 feet
 Versar Project No. 4422-006
 Path/File: PIBOFA/SANLEANISCM

Versar inc.
 7844 Madison Avenue
 Suite 167
 Fair Oaks, CA 95628
 (916) 962-1612

SENSITIVE RECEPTOR MAP
 2585 Nicholson Street
 San Leandro, California

Legend:
 ● Industrial, irrigation, or domestic water wells within 0.5 miles of the Site.

**Well Survey Information
2585 Nicholson Street
San Leandro, California**

ID	Address	Dist/Dir (1)	Use	TD (2)	Current Occupants
1	2000 First Av. (1) (2)	0.32 Mile / Northwest	IND	840 - 1,022	Georgia Pacific.
2	2000 Marina Blvd. (1)	0.32 Mile / Northwest	IND	143 - 146	Georgia Pacific.
3	2100 W. 136	0.34 Mile / Southwest	IRR	30	Residential housing.
4	2001 Marina Blvd.	0.37 Mile / Northwest	IND	136	Listed as the Owens Corning Facility who no longer occupy the property. The property has been redeveloped and is currently occupied by Allied International, and Norcal Moving.
5	1977 First Av. (2)	0.38 Mile / West	IND	142	Same as 4.
6	1988 Marina Blvd.	0.38 Mile / West	IND	610	Georgia Pacific.
7	14319 Merced St.	0.43 Mile / Southeast	IRR	0	Residential housing.
8	Rte 18 W. 136 Av. &	0.47 Mile / Southwest	IRR	118	Residential housing.
9	2007-36 W. 136 (1)	0.47 Mile / Southwest	IRR	25 - 249	Residential housing.
10	2045 - 2420 W. 136 (1)	0.47 Mile / Southwest	IRR/ DO	12 - 100	Residential housing.
11	1577 Cedar Av.	0.47 Mile / Southeast	IRR	17	Residential housing.
12	1675 Fairway Dr.	0.47 Mile / East	IRR	140	Address not found during reconnaissance.

(1) Cluster of multiple wells.

(2) According to County representatives, First Avenue was renamed Marina Boulevard.