CUPERTINO
Capital

April 30, 2008

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

SUBJECT: WELL SURVEY REPORT CERTIFICATION
ACEHS File # RO0002509
Thanh's Autobody Repair
901 77th Avenue
Oakland, California

Dear Mr. Wickham:

You will find enclosed one copy of the following document prepared by P&D Environmental, Inc.

- Well Survey Report dated April 29, 2008 (document 0330.R4).

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned document for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (408) 354-9777.

Sincerely,

Cupertino Capital

Daniel Shaw

Enclosure

0330.L12

15700 Winchester Boulevard Los Gatos, California 95030 Tel (408) 354-9777 Fax (408) 354-9787

P&D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240
Oakland, CA 94610
(510) 658-6916

April 29, 2008
Report 0330.R4

Mr. Michael Parsons
Cupertino Capital
15700 Winchester Boulevard
Los Gatos, CA 95030

SUBJECT: WELL SURVEY REPORT
ACEHS File #RO0002509
Thanh's Autobody Repair
901 77th Avenue
Oakland, California

Dear Mr. Parsons:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the results of a well survey for the subject site. This report is written in response to a request from Mr. Jerry Wickham of the Alameda County Department of Environmental Health (ACDEH) in a letter dated April 21, 2006. A Site Location Map is presented as Figure 1, and a Well Location Map is presented as Figure 2.

BACKGROUND

On July 25, 2002 one 1,000-gallon capacity gasoline Underground Storage Tank (UST) was removed from the subject site. The removal of the tank is documented in the Underground Storage Tank Removal – Final Report dated August 6, 2002 prepared by AEI Consultants (AEI). Although groundwater was not encountered in the UST pit, the results of soil samples collected from the UST pit showed elevated concentrations of petroleum hydrocarbons. In a letter dated January 27, 2003 Mr. Ariu Levi of the ACEH provided Notice of Responsibility for investigation and cleanup of the subject site to Mr. Daniel Shaw of D&D Ventures, LLC (D&D), the primary responsible party for the site. Following conversations with Mr. Gholami to develop a scope of work to move the case towards closure, P&D submitted a January 26, 2004 Subsurface Investigation Work Plan (B1 Through B7) (document 0330.W1) and associated addendum dated February 3, 2004. The work plan and addendum were approved in a letter from Mr. Gholami dated February 20, 2004.

Subsurface investigations have subsequently been performed and documented as follows.

- AEI's April 26, 2004 Groundwater Investigation report addressed to D&D Ventures, LLC.
- P&D's Subsurface Investigation Report (Boreholes B8 through B14 and Monitoring Wells MW1 through MW3) (document 0330.R1), dated March 22, 2006.
- P&D's Subsurface Investigation Report (Boreholes B15 and B16) (document 0330.R2), dated April 14, 2008.

Mr. Jerry Wickham of the ACDEH provided comments on the March 2006 report in a letter dated April 21, 2006 and requested a work plan containing historic site use information, historic UST system information (including dispensers and piping), identification of methods for evaluation of potential vapor intrusion, a description of methods for collection of groundwater samples recommended in the March 2006 report, identification of potential preferential pathways, a detailed well survey within a 2,000-foot radius of the site, and the implementation of a quarterly groundwater monitoring program for the three groundwater monitoring wells. The requested documents other than the well survey are provided under separate cover.

WELL SURVEY

P&D requested that Mr. James Yoo of the Alameda County Public Works Agency (ACPWA) perform a 2000-foot radius well search for the subject site. The search area is in Township T2S, Range R3W, and included all or part of Section 15 Tracts M and N, Section 16 Tracts H, J, K, Q, R, Section 21 Tracts A and B, and Section 22 Tract D. On May 15, 2006 Mr. Yoo provided tables via e-mail to P&D that transmitted the findings of his database search. A total of 125 well records were included in the ACPWA database. On June 12, 2006 P&D received a revised listing from Mr. Yoo that included a total of 163 well records. After reviewing the locations of the wells provided in the June 12, 2005 ACPWQ list, it was determined that 0nly 40 wells were identified as active within a 2,000-foot radius of the subject site. Relevant information regarding these wells is summarized in Table 1.

The ACPWA database incorrectly identified well 16-R1 (ACPWA reference number 7 on Table 1) as being located in San Lorenzo, and Table 1 has been revised to reflect the correct city address of Oakland. A map showing the location of the subject site and a circle around the site with a 2,000-foot radius is attached with this report as Figure 2. The well locations identified from the ACPWA database that are shown on Figure 2. The exact locations of the wells for the last eight ACPWA reference numbers (33 through 40) are unknown, and were identified on Figure 2 in the following manner. No well completion reports were available for these wells. The wells for ACPWA reference numbers 33 and 34 were assumed to be located at the same location as the well for ACPWA reference number 32. The well for ACPWA reference number 35 was assumed to be located at the same location as the wells for ACPWA reference numbers 1 through 6. The wells for ACPWA reference numbers 36 through 40 were approximately located using the internet service Mapquest in conjunction with review of aerial photographs and the estimated location of the demarcation between Section 16 to the west and Section 15 to the east. Wells with address numbers that were even were located on the north side of 81st Avenue and wells with address numbers that were odd were located on the south side of 81st Avenue, consistent with other well addresses located on 81st Avenue where the wells had been located using maps provided in Well Completion Reports. The wells for ACPWA reference numbers 38 through 40 were assumed to be located at the same location based on their all having the same address.

P&D also requested that Ms. Ann Roth of the California Department of Water Resources (DWR) perform a 2000-foot radius well search for the subject site. On June 1, 2006 Ms. Roth provided 236 well driller reports (a total of 955 pages of well information weighing 12 pounds). Of these wells, 35 were identified as active and within a 2,000-foot radius of the site. Relevant information regarding the 35 active wells from the DWR database that are located within 2,000 feet of the subject site is summarized in Table 2. Wells located within 2,000 feet of the subject site that were in the DWR database and not in the ACPWA database are shown on Figure 2. The exact locations of the three wells identified in the DWR records at the Victor Talking Machine Company (the last three wells identified in Table 2) is unknown, but the location was estimated on Figure 2 based upon a description of the location of the factory obtained through review of historical records obtained through the internet.

HYDROGEOLOGY

Review of Figure 1 shows that San Francisco Bay is located approximately 5,500 feet to the west of the subject site, and approximately 6,200 feet to the southwest of the subject site. A drainage feature that appears to be the outfall to an unknown creek is located on the southwest side of San Leandro Boulevard, approximately 1,100 feet west of the subject site. Similarly, a drainage feature that appears to be the outfall to an unknown creek is located on the southwest side of San Leandro Boulevard, approximately 1,800 feet south of the subject site. The location of the outfall for Arroyo Viejo was not determined during this investigation.

The location of the site is immediately to the northeast of the historic Fitchburg Well Field, which is shown in a map of historic groundwater resources that is reproduced as Figure 3. Use of the well field was discontinued in the 1930's.

The measured depths to water in groundwater monitoring wells MW1 through MW3 located at and near the subject site have ranged historically from 4.80 to 5.95 feet. The calculated groundwater flow direction for these three wells has ranged historically from S18^{o}W to S29^{o}W, and the gradient has ranged from 0.011 to 0.015.

Arroyo Viejo is a channelized creek shown on Figure 1 to the northeast of East 14th Street. Flow in the creek is southwesterly, towards San Francisco Bay. At East 14th Street (located 3,000 feet northeast of the subject site) the creek is channelized below the ground surface. To the northeast of East 14th Street the creek is located between 77th Avenue and 78th Avenue. However, based on the orientation of the creek on the northeast side of East 14th Street and the location of 77th Avenue on the southwest side of East 14th Street, the creek appears to be located beneath 77th Avenue on the southwest side of East 14th Street. The creek could be channelized in a 5-foot-diameter storm drain which is located beneath 77th Avenue. Based on P&D's Preferential Pathway Survey dated April 17, 2008 (document 0330.R2), the historic range of flow directions in the vicinity of the site is consistent with and may be affected by groundwater flow in storm drain and possibly sanitary sewer trenches located beneath 77th Avenue. Figure 4 shows the locations of utility trenches adjacent to the site, and the historic range of groundwater flow directions.

DISCUSSION AND RECOMMENDATIONS

Comparison of Tables 1 and 2 shows that 32 of the wells identified in each of the databases are the same (see the last column of each table for correlation of the well reports). Eight wells listed in the ACPWA database (reference numbers 33 through 40 in Table 1) were not identified in the DWR database. Three wells identified in the DWR database (located at the Victor Talking Machine Company site, see the last three entrees in Table 2) were not listed in the ACPWA database. Review of Table 1 and Table 2 shows that of the 43 existing wells located within 2,000 feet of the site, 37 are listed as monitoring or test wells, one is listed as an irrigation well, and two as industrial wells. Although the last three wells listed in Table 2 do not have an identified use, based on their depth and estimated time of installation in the 1920's associated with the construction of the Victor Talking Machine factory, these wells are assumed to also be industrial wells.

All the monitoring or test wells located within 2,000 feet of the subject site are a maximum of 37 feet deep, except for one that is 63 feet deep. Three test wells are located 300 feet from the subject site, one monitoring well is located 400 feet from the subject site, one monitoring well is located 600 feet from the subject site, two monitoring wells are located 700 feet from the subject site, and all other wells are located 900 or more feet from the subject site. The one irrigation well (ACPWA reference number 37, Tables 1 and 2) has a reported depth of 128 feet and is located 1500 feet from the site, one industrial well (ACPWA reference number 7 in Tables 1 and 2) has a reported depth of 510 feet and is located 1400 feet from the subject site, and one industrial well (ACPWA reference number 36 in Table 1) has a reported depth of 400 feet and is located 1200 feet from the subject site.

The historic range of measured groundwater flow directions for groundwater monitoring wells located at and near the subject site (S18^{o}W to S29^{o}W) is shown on Figure 2. A total of four wells (16-R1, 16-R17, 16-R18, 16-R19) are located within this range of groundwater flow directions within 2,000 feet and downgradient of the subject site. However, as discussed above, the calculated groundwater flow direction at the subject site may be affected by utility trenches located beneath 77th Avenue. For this reason a larger area identified as the range of well search potential downgradient locations is shown on Figure 2 for wells potentially downgradient of the subject site. A summary of these potential downgradient wells located within 2,000 feet of the subject site is provided in Table 3.

Although the subject site was identified as being located adjacent to a former historic well field, no documentation of wells associated with the well field were identified during the well search, and no further information regarding the well field was identified during the well search. The only potential downgradient well not identified as a monitoring well is an industrial well located 1,400 feet from the subject site (ACPWA reference number 7, see Table 3). Based on the defined limited horizontal and vertical extent of petroleum hydrocarbons at and near the subject site, contamination has not reached the distance and depth of the industrial well. Based on the absence of downgradient wells in the immediate vicinity of the subject site which could perform as water wells or vertical conduits for the transport of dissolved petroleum hydrocarbons, no wells were identified during the well search that are of concern.

LIMITATIONS

This report was prepared solely for the use of Cupertino Capital. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities that is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

April 29, 2008
Report 0330.R4

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.

Paul H. King
Professional Geologist # 5901
Expires: 12/31/09

Attachments:

Table 1 – Alameda County Public Works Agency File Summary Information
Table 2 – Department of Water Resources File Summary Information
Table 3 – Summary of Downgradient Wells Located Within 2000 Feet of the Site

Figure 1 – Site Location Map
Figure 2 – Well Location Map
Figure 3 – Map Showing Fitchburg Well Field Location
Figure 4 – Site Vicinity Map Showing Locations of Utility Trenches

Appendix A - Well Completion Reports for Wells Located Within 2000 Feet of the Site

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TABLES

Table 1
Alameda County Public Works Agency File Summary Information

Township /Range	Section, Tract, and Well Number	Well Address	City	Owner	Update	Xcoord	Ycoord	Total Depth	Water Depth	Casing Diameter (Inches)	Drill Date	Use	Estimated Distance from Site (Feet)	ACPWA Ref. #
2S/3W	16Q 1	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	16	10	4	5/91	MON	1500	1
2S/3W	16Q 2	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	16	10	4	5/91	MON	1500	2
2S/3W	16Q 3	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	15	8	4	Dec-90	MON	1500	3
2S/3W	16Q 4	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	24	10	4	Dec-90	MON	1500	4
2S/3W	16Q 5	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	24	9	4	Dec-90	MON	1500	5
2S/3W	16Q 6	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	63	9	4	1/91	MON	1500	6
2S/3W	16R 1	7825 San Leandro St.	Oakland	Amer. Brass&Iron Foundry	7/30/1984	122189554	37751161	510	83	14	3/77	IND	1400	7
2S/3W	16R 2	800 77 AV.	Oakland	County Recyc. Svc.	6/15/1989	122189554	37751161	26	11	8	Jan-89	MON	600	8
2S/3W	16R 3	958 77th Avenue	Oakland	Chip & Steak (Vao Cheney)	5/30/1990	122189994	37752633	19	7	2	8/89	TEST	300	9
2S/3W	16R 4	958 77th Street	Oakland	Chip & Steak (Vao Cheney)	5/30/1990	122189994	37752633	23	7	2	8/89	TEST	300	10
2S/3W	16R 5	958 77th Avenue	Oakland	Chip & Steak (Vao Cheney)	5/30/1990	122189994	37752633	25	8	2	8/89	TEST	300	11
2S/3W	16R 6	810 81ST AVE	Oakland	Mother's Cake & Cookie Co	7/31/1992	122188654	37750313	37	6	4	4/92	TEST	1000	12
2S/3W	16R 7	810 81ST AVE	Oakland	Mother's Cake & Cookie Co	7/31/1992	122188654	37750313	25	6	4	4/92	TEST	1000	13
2S/3W	16R 8	860 81st ave	Oakland	Shiochi and Miedo Samara	7/31/1992	122187655	37750681	20	11	2	4/92	MON	1000	14
2S/3W	16R 9	860 81st ave	Oakland	Shiochi and Miedo Samara	7/31/1992	122187655	37750681	20	12	2	4/92	MON	1000	15
2S/3W	16R10	860 81st ave	Oakland	Shiochi and Miedo Samara	7/31/1992	122187655	37750681	20	10	2	4/92	MON	1000	16
2S/3W	16R11	851 81st Ave	Oakland	Sunshine Biscuits MW-1	8/13/1992	122188402	37750885	36	14	4	7/91	MON	1000	17
2S/3W	16R12	851 81st Ave	Oakland	Sunshine Biscuits MW-2	8/13/1992	122188402	37750885	36	14	4	7/91	MON	900	18
2S/3W	16R13	851 81st Ave	Oakland	Sunshine Biscuits mw-3	8/13/1992	122188349	37751047	36	15	4	7/91	MON	700	19
2S/3W	16R14	851 81st Ave	Oakland	Sunshine Biscuits mw-4	8/13/1992	122188349	37751047	36	14	4	7/91	MON	700	20
2S/3W	16R15	810 81ST AVE	Oakland	Mother's Cookie Co MW-3	6/25/1993	122188605	37750374	23	0	4	4/92	MON	1000	21
2S/3W	16R16	7825 San Leandro St.	Oakland	American Brass & Iron MW1	7/16/1993	122191738	37750361	20	5	2	2/93	MON	1200	22
2S/3W	16R17	7825 San Leandro St.	Oakland	American Brass & Iron MW2	7/16/1993	122191738	37750361	17	4	4	2/93	MON	900	23
2S/3W	16R18	7825 San Leandro St.	Oakland	American Brass & Iron MW3	7/16/1993	122191738	37750361	19	0	2	2/93	MON	900	24
2S/3W	16R19	7825 San Leandro St.	Oakland	American Brass & Iron MW4	7/16/1993	122191738	37750361	25	6	2	2/93	MON	900	25
2S/3W	16R20	910 81st Ave.	Oakland	Merle Konigsberg	7/19/1993	122187736	37750975	18	4	2	1/93	MON	1200	26
2S/3W	16R21	810 81ST AVE	Oakland	Mother's Cookie Co MW-4	7/22/1993	122188605	37750377	25	7	4	Oct-92	MON	1000	27
2S/3W	16R22	810 81ST AVE	Oakland	Mother's Cookie Co MW-5	7/22/1993	122188605	37750377	23	0	4	Oct-92	MON	1000	28
2S/3W	16R23	865 77th Ave.	Oakland	American Brass & Iron	7/26/1993	122191765	37751726	17	9	2	Nov-92	MON	400	29
2S/3W	21A 1	8275 San Leandro Street	Oakland	Monterey Mechanical Co.	5/30/1990	122189517	37747688	25	6	2	9/89	MON	1800	30
2S/3W	21A 2	8255 San Leandro Street	Oakland	Mr. Nissan Saidian STMW-1	1/13/1994	122189599	37747775	15	5	2	6/93	MON	1800	31
2S/3W	22D 8	8410 AMELIA ST	Oakland	DREISBACH ASSO.	12/16/1988	122185737	37748864	30	10	4	Jun-88	MON	2000	32
2S/3W	22D20	8410 Amelia St	Oakland	Dreisbach Enterprises	12/4/1997	122185718	37748866	20	11	4	Dec-93	TEST	2000	33
2S/3W	22D21	8410 Amelia St	Oakland	Dreisbach Enterprises	12/4/1997	122185718	37748866	25	12	4	Dec-93	TEST	2000	34
2S/3W	16Q	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/12/1991	122195400	37752700	20	7	2	1/91	MON	1500	35
2S/3W	15N 1	919 81ST ST	Oakland	VINCENT&MARY SCONZA-O	7/30/1984	122187683	37751221	400	69	12	/45	IND	1200	36
2S/3W	15N 2	1001 81ST AVE	Oakland	A.R. COMPAGLIA	7/30/1984	122186073	37752003	128	78	8	/41	IRR	1500	37
2S/3W	15N 3	966 81st Av	Oakland	Bay View Federal	3/29/1998	122186673	37751490	15	8	2	5/97	MON	1300	38
2S/3W	15N 4	966 81st Av	Oakland	Bay View Federal	3/29/1998	122186673	37751490	15	8	2	5/97	MON	1300	39
2S/3W	15N 5	966 81st Av	Oakland	Bay View Federal	3/29/1998	122186673	37751490	15	8	2	5/97	MON	1300	40

Table 2
Department of Water Resources File Summary Information

Township /Range	Section	Tract	Well Number	Well Address	City	Owner	Total Depth (Feet)	Casing Diameter (Inches)	Screened Interval (Feet Below Ground Surface)	Date of Well Installation	Use	Estimated Distance From Site (Feet)	ACPWA Ref #
2S/3W	16	Q	1	728 73rd Ave	Oakland	Department of Health Services	14.5	4	11.5 to 14.5	12/19/1990	Monitoring	1500	1
2S/3W	16	Q	2	728 73rd Ave	Oakland	Department of Health Services	27	4	14.5 to 24	12/20/1990	Monitoring	1500	2
2S/3W	16	Q	3	728 73rd Ave	Oakland	Department of Health Services	27	4	14.5 to 24	12/21/1990	Monitoring	1500	3
2S/3W	16	Q	4	728 73rd Ave	Oakland	Department of Health Services	66.5	4	53 to 63	1/18/1991	Monitoring	1500	4
2S/3W	16	Q	5	728 73rd Ave	Oakland	Department of Health Services	63	4	53 to 63	1/16/1991	Monitoring	1500	5
2S/3W	16	Q	6	728 73rd Ave	Oakland	Department of Health Services	69.5	4	57 to 67	1/21/1991	Monitoring	1500	6
2S/3W	16	R	1	7825 San Leandro St	Oakland	American Brass and Iron Foundry	510	14	324 to 479	4/4/1977	Industrial	1400	7
2S/3W	16	R	2	800 77th Ave	Oakland	County Recycling Services	26	8	6 to 26	1/27/1989	Monitoring	600	8
2S/3W	16	R	3	958 77th Ave	Oakland	Chip and Steak (Vao Cheney)	19.5	2	7 to 18	8/9/1989	Test	300	9
2S/3W	16	R	4	958 77th Ave	Oakland	Chip and Steak (Vao Cheney)	24.5	2	8 to 23	8/9/1989	Test	300	10
2S/3W	16	R	5	958 77th Ave	Oakland	Chip and Steak (Vao Cheney)	24.5	2	9 to 24.5	8/9/1989	Test	300	11
2S/3W	16	R	6	810 81st Ave	Oakland	Mothers Cake and Cookie Co.	37	4	7 to 37	4/16/1992	Monitoring	1000	12
2S/3W	16	R	7	810 81st Ave	Oakland	Mothers Cake and Cookie Co.	25	4	5 to 25	4/17/1992	Monitoring	1000	13
2S/3W	16	R	8	860 81st Ave	Oakland	Shiochi and Mieko Sawaven Agency	20	2	5 to 20	4/8/1992	Monitoring	1000	14
2S/3W	16	R	9	860 81st Ave	Oakland	Shiochi and Mieko Sawaven Agency	20	2	6 to 20	4/8/1992	Monitoring	1000	15
2S/3W	16	R	10	860 81st Ave	Oakland	Shiochi and Mieko Sawaven Agency	20	2	7 to 20	4/8/1992	Monitoring	1000	16
2S/3W	16	R	11	851 81st Ave	Oakland	Sunshine Biscuits, Inc	36	4	10 to 35	7/23/1991	Monitoring	1000	17
2S/3W	16	R	12	851 81st Ave	Oakland	Sunshine Biscuits, Inc	36	4	9 to 34	7/23/1991	Monitoring	900	18
2S/3W	16	R	13	851 81st Ave	Oakland	Sunshine Biscuits, Inc	36	4	10 to 35	7/22/1991	Monitoring	700	19
2S/3W	16	R	14	851 81st Ave	Oakland	Sunshine Biscuits, Inc	36	4	10 to 35	7/23/1991	Monitoring	700	20
2S/3W	16	R	15	810 81st Ave	Oakland	Mothers Cake and Cookie Co.	22.5	4	4 to 22	4/18/1992	Monitoring	1000	21
2S/3W	16	R	16	7825 San Leandro St	Oakland	American Brass and Iron Foundry	23	2	10 to 20	2/18/1993	Monitoring	1200	22
2S/3W	16	R	17	7825 San Leandro St	Oakland	American Brass and Iron Foundry	17	4	8 to 17	2/17/1993	Monitoring	900	23
2S/3W	16	R	18	7825 San Leandro St	Oakland	American Brass and Iron Foundry	19	2	9 to 19	2/18/1993	Monitoring	900	24
2S/3W	16	R	19	7825 San Leandro St	Oakland	American Brass and Iron Foundry	25	2	10 to 25	2/18/1993	Monitoring	900	25
2S/3W	16	R	20	910 81st Ave	Oakland	Merle Konigsberg	19.5	2	4 to 18	1/28/1993	Monitoring	1200	26
2S/3W	16	R	21	810 81st Ave	Oakland	Mothers Cake and Cookie Co.	25	4	5 to 22.5	10/28/1992	Test	1000	27
2S/3W	16	R	22	810 81st Ave	Oakland	Mothers Cake and Cookie Co.	22.5	4	5 to 22.5	10/28/1992	Test	1000	28
2S/3W	16	R	23	865 77th Ave	Oakland	American Brass and Iron Foundry	17	2	7 to 17	11/19/1992	Monitoring	400	29
2S/3W	21	A	1	8275 San Leandro St	Oakland	Monterey Mechanical	25	2	9 to 25	9/9/1989	Monitoring	1800	30
2S/3W	21	A	2	8255 San Leandro St	Oakland	Alpha Geo Services	15	2	3 to 15	6/24/1993	Monitoring	1800	31
2S/3W	22	D	8	8410 Amelia Street	Oakland	Crosby and Overton	30	4	10 to 25	6/30/1988	Monitoring	2000	32
2S/3W	15	M	1	1100 78th Avenue	Oakland	Victor Talking Machine Company	240	10-14	Unknown	Unknown	Unknown	1500	None
2S/3W	15	M	2	1100 78th Avenue	Oakland	Victor Talking Machine Company	207	12-14	Unknown	Unknown	Unknown	1500	None
2S/3W	15	M	3	1100 78th Avenue	Oakland	Victor Talking Machine Company	210	10-16	Unknown	Unknown	Unknown	1500	None

Table 3
Summary of Downgradient Wells Located Within 2000 Feet of the Site

Township /Range	Section, Tract, Well Number	Street Address	City	Owner	Update	Xcoord	Ycoord	Drill Date	Total Depth (Feet)	Water Depth Feet)	Diameter (Inches)	Use	Estimated Distance From Site (Feet)	ACPWA Ref. #
2S/3W	16Q 1	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	May-91	16	10	4	MON	1500	1
2S/3W	16Q 2	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	May-91	16	10	4	MON	1500	2
2S/3W	16Q 3	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	Dec-90	15	8	4	MON	1500	3
2S/3W	16Q 4	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	Dec-90	24	10	4	MON	1500	4
2S/3W	16Q 5	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	Dec-90	24	9	4	MON	1500	5
2S/3W	16Q 6	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/7/1991	122195400	37752700	Jan-91	63	9	4	MON	1500	6
2S/3W	16R 1	7825 San Leandro St.	Oakland	Amer. Brass&Iron Foundry	7/30/1984	122189554	37751161	Mar-77	510	83	14	IND	1400	7
2S/3W	16R 2	800 77 AV.	Oakland	County Recyc. Svc.	6/15/1989	122189554	37751161	Jan-89	26	11	8	MON	600	8
2S/3W	16R13	851 81st Ave	Oakland	Sunshine Biscuits mw-3	8/13/1992	122188349	37751047	7/91	36	15	4	MON	700	19
2S/3W	16R16	7825 San Leandro St.	Oakland	American Brass & Iron MW1	7/16/1993	122191738	37750361	Feb-93	20	5	2	MON	1200	22
2S/3W	16R17	7825 San Leandro St.	Oakland	American Brass & Iron MW2	7/16/1993	122191738	37750361	Feb-93	17	4	4	MON	900	23
2S/3W	16R18	7825 San Leandro St.	Oakland	American Brass & Iron MW3	7/16/1993	122191738	37750361	Feb-93	19	NA	2	MON	900	24
2S/3W	16R19	7825 San Leandro St.	Oakland	American Brass & Iron MW4	7/16/1993	122191738	37750361	Feb-93	25	6	2	MON	900	25
2S/3W	21A 1	8275 San Leandro Street	Oakland	Monterey Mechanical Co.	5/30/1990	122189517	37747688	Sep-89	25	6	2	MON	1800	30
2S/3W	21A 2	8255 San Leandro Street	Oakland	Mr. Nissan Saidian STMW-1	1/13/1994	122189599	37747775	Jun-93	15	5	2	MON	1800	31
2S/3W	16Q	73rd & San Leandro Sts.	Oakland	Dept. of Health Services	6/12/1991	122195400	37752700	1/91	20	7	2	MON	1500	35

FIGURES

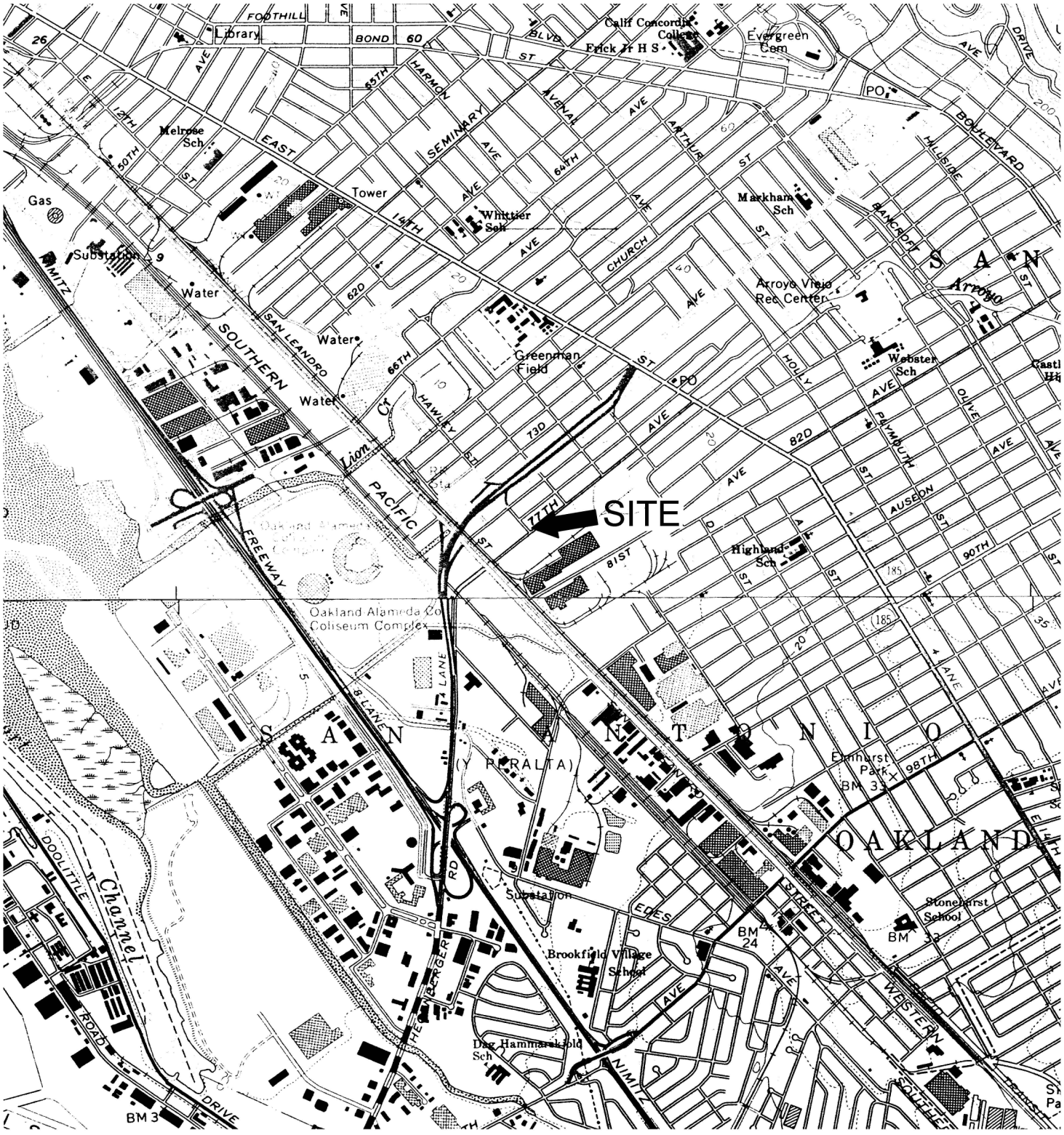


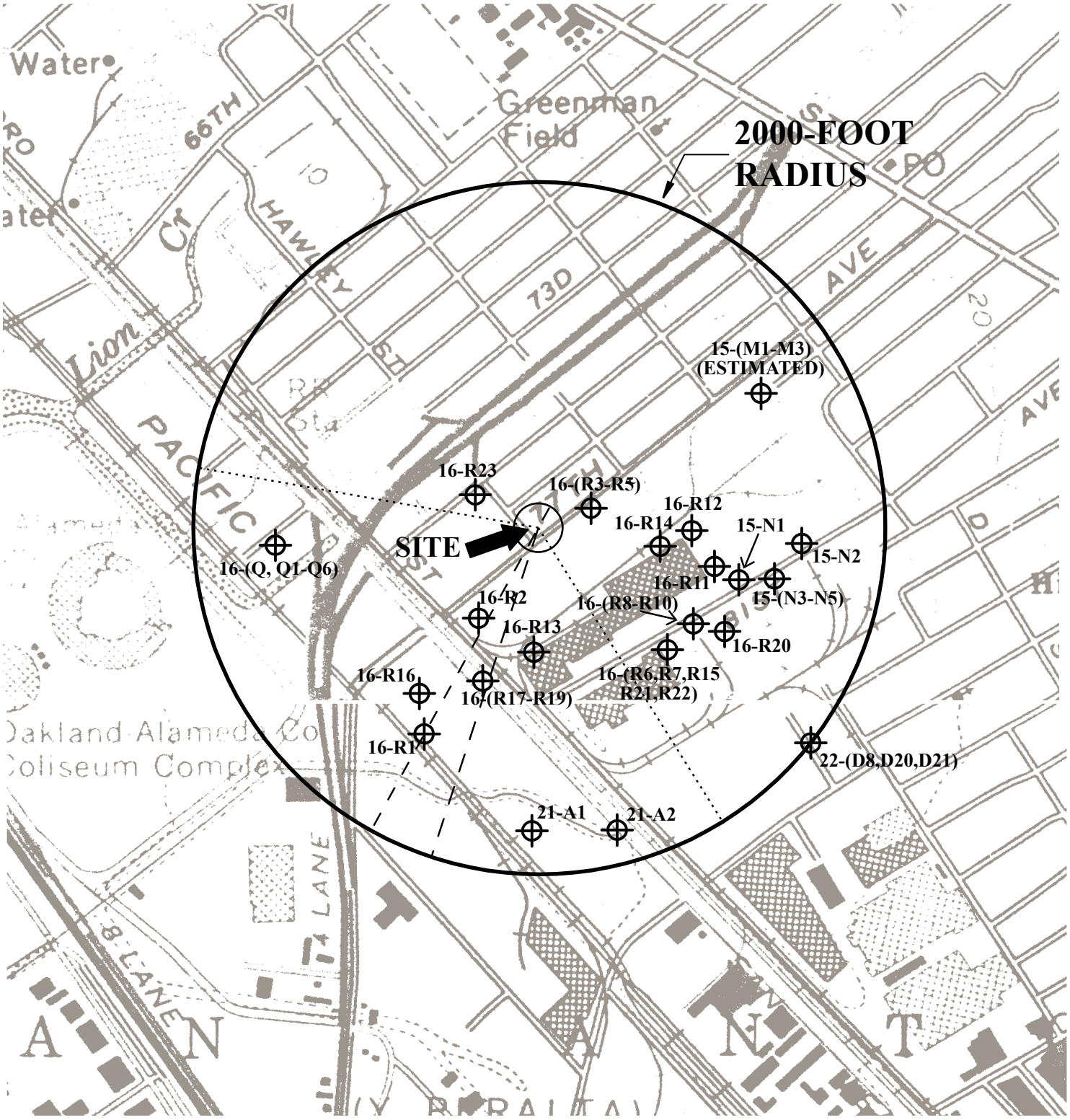
Figure 1
Site Location Map
901 77th Avenue
Oakland, California

N

Base Map prepared by:
U.S. Geological Survey
Oakland East and San Leandro, California
7.5 Minute Quadrangles
Photorevised 1980

P&D Environmental, Inc.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610

0 1,000 2,000
SCALE IN FEET



LEGEND

— — Range of Site Flow Directions

..... Range of Well Search Potential Downgradient Locations

Figure 2
Well Location Map
901 77th Avenue
Oakland, California

N

Base Map prepared by:
U.S. Geological Survey
Oakland East and San Leandro, California
7.5 Minute Quadrangles
Photorevised 1980

P&D Environmental, Inc.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610

0 400 800
SCALE IN FEET

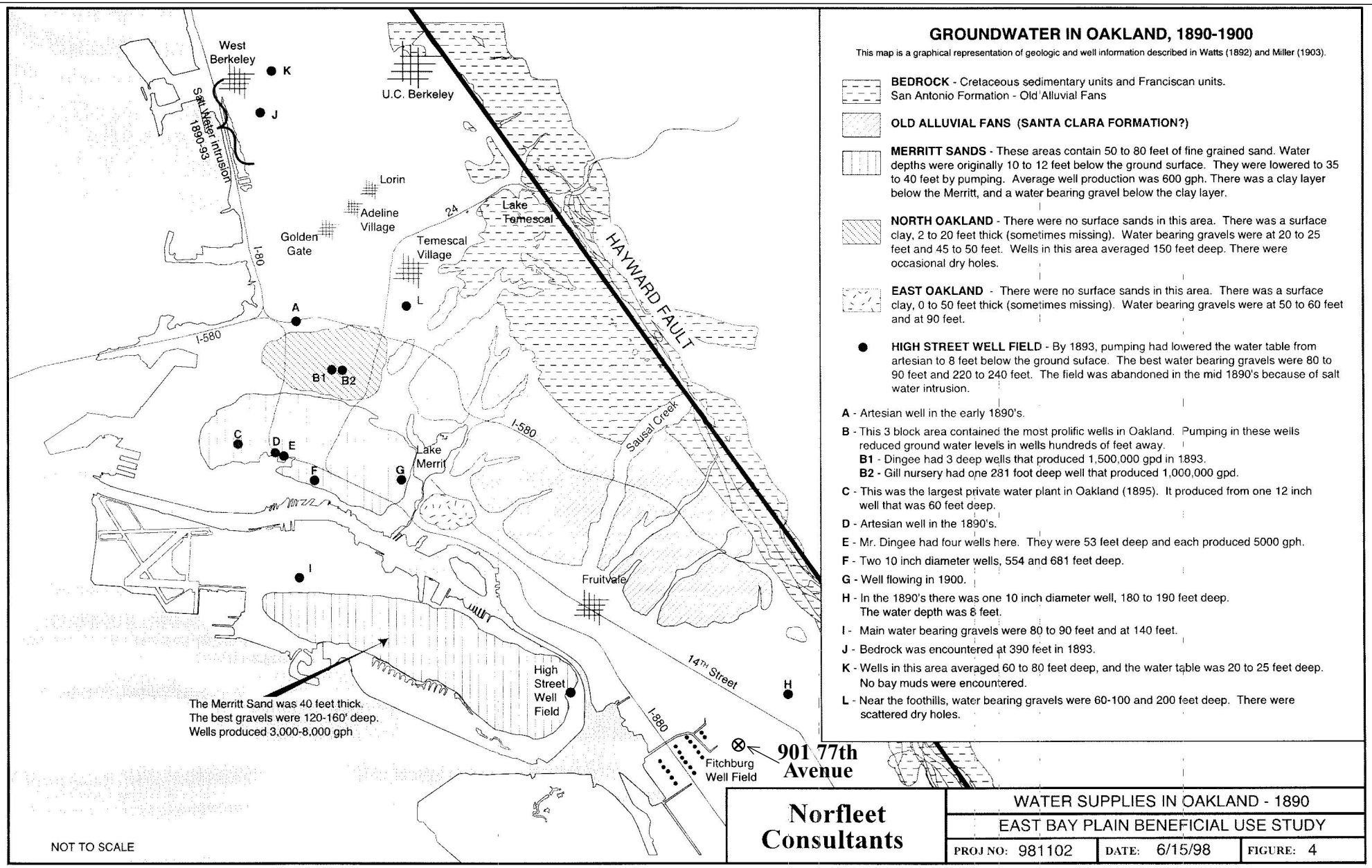


Figure 3
Map Showing Historic Fitchburg Well Field Location Relative to Subject Site
901 77th Avenue
Oakland, California

From: Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, CA Norfleet Consultants Livermore, California 1998	P&D Environmental, Inc. 55 Santa Clara Avenue, Suite 240 Oakland CA 94610	Approximate North ↑

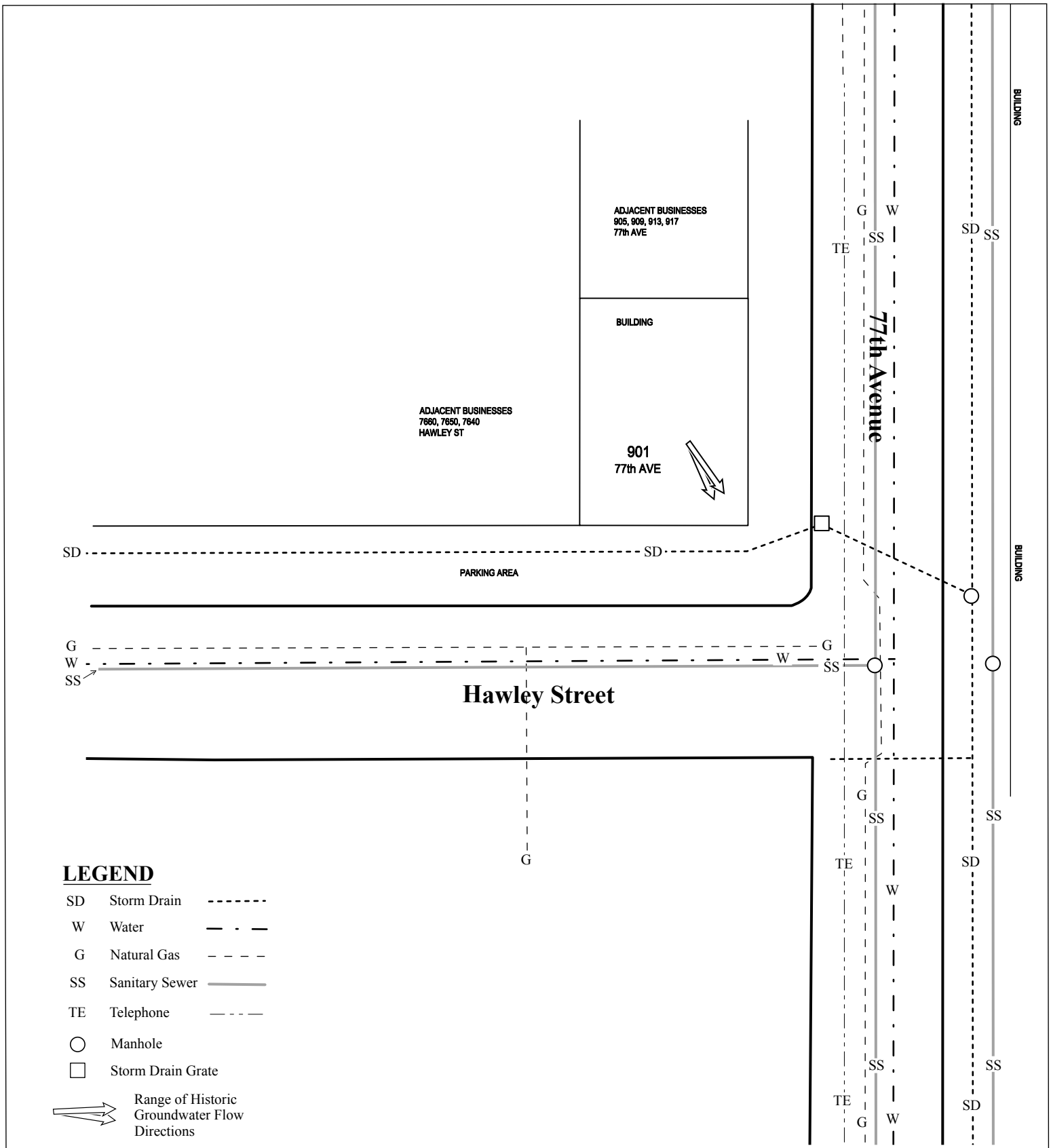


Figure 4
Site Vicinity Map Showing Locations of Utility Trenches
901 77th Avenue
Oakland, California

Base Map From:
CSS Environmenal Services, Inc.
November 2005

P&D Environmental, Inc.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610

APPENDIX A

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W 16Q 1-6

AERO QUALITY PLATING - 9139

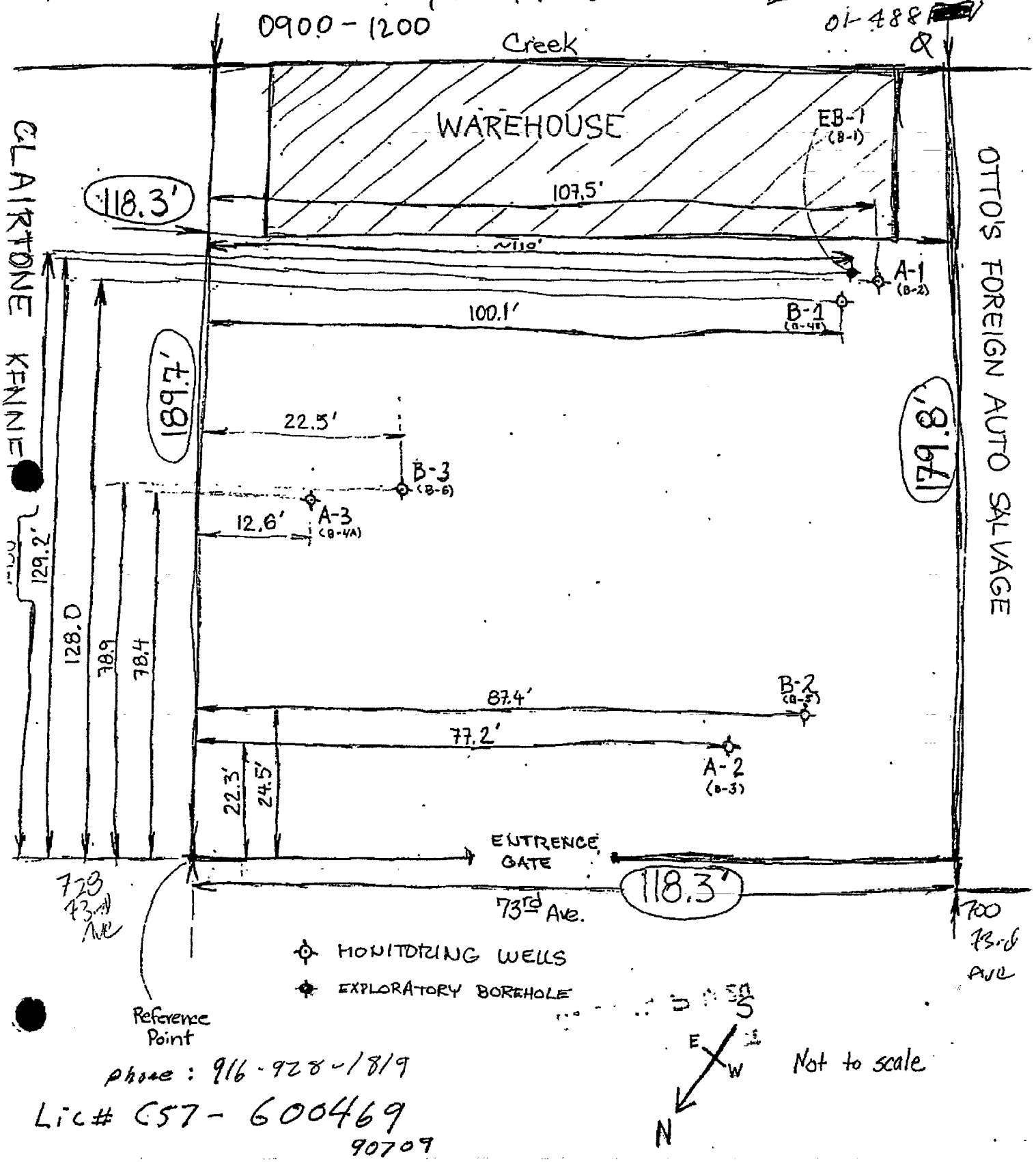
SURVAY 01-25-1991

BILL STUREK, RICH. TROSS

0900 - 1200

25/3W 16Q

01-488



Not to scale

phone : 916-928-1819

Lic# C57 - 600469

90709

01-488Q
2S/3W 16Q1

PART 1

PAGE 1 OF 1

OHM Corporation

JOB NO. 9139	BORE HOLE NO. A-1
PROJECT AeroQuality Plating/DHS	LOCATION Oakland, CA
DRILLING CONTRACTOR Layne Western	DRILLING EQUIPMENT Hollow Stem Auger
HYDROGEOLOGIST Steve Rouse	DRILLER Bob
DATE START/TIME 12/19/90 0830	DATE FINISH/TIME 12/19/90 1400
SURFACE ELEVATION	TOTAL DEPTH 14.5 feet
WELL CASING 4"-diam. PVC	SCREEN TYPE 4"-diam. PVC
LENGTH 3 feet	SLOT 0.010-inch

GROUND WATER

DATE	TIME	DEPTH	WEATHER
12/19/90	1030	11.0'	raining
12/19/90	1045	9.25'	raining
12/21/90	1342	8.0'	

GROUND WATER

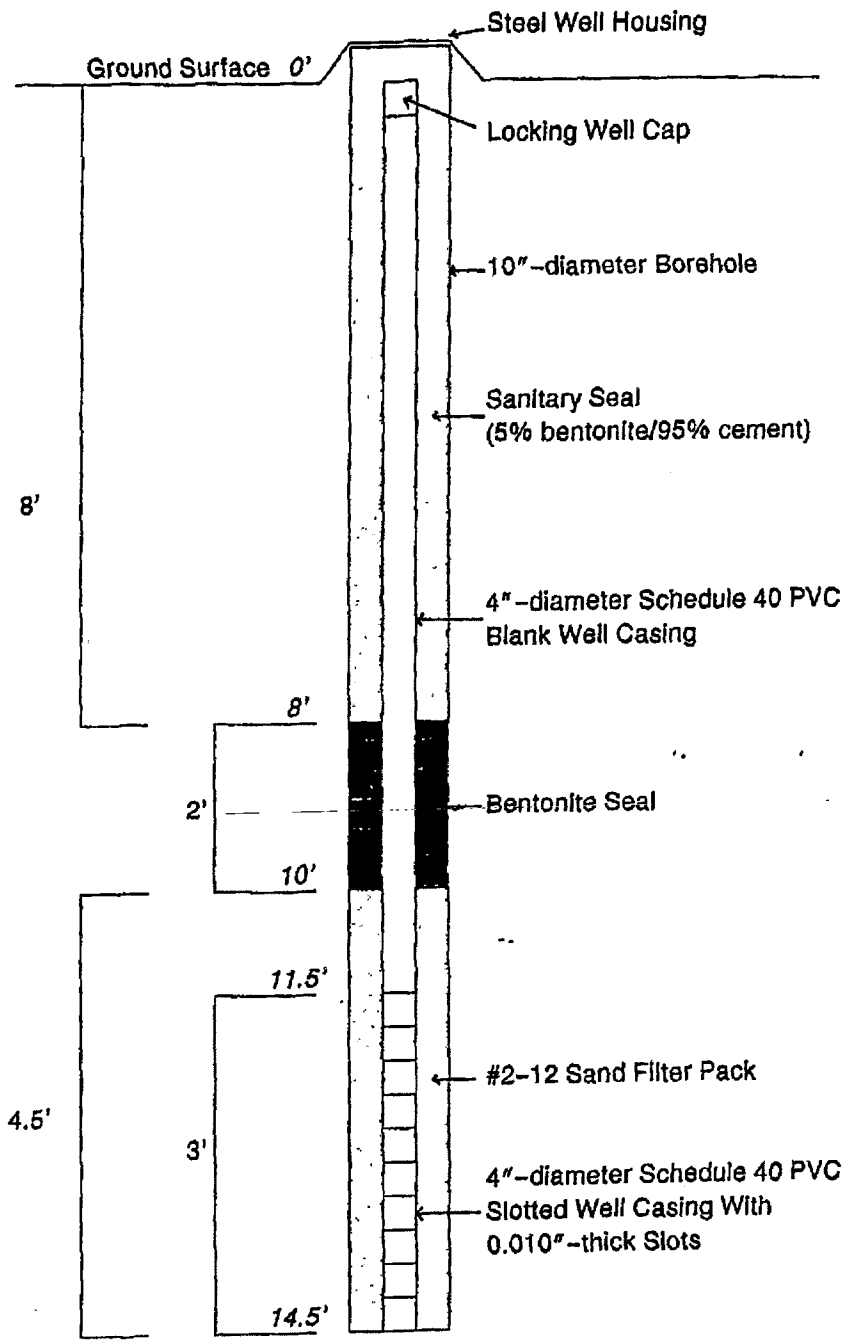
DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
0		CC	NA	1" thick chip seal at surface SM - silty fine-coarse sand with clay and gravel, moist, yellowish brown (10YR 4/5), poorly sorted, slightly mottled		
5	B2-5 0915	2/2/3	7"	CL - fine sandy clay, grayish brown (10YR 5/2) to black (5Y 2.5/1), moist, moderately plastic, trace gravel, slightly mottled, with ferric staining at 8-foot depth	PID (sample/5') - 17.8	
		2/2/3/4	19"			
		4/5/8	18"			
10	B2-10 0930	8/8/10	18"		PID (sample/10') - 20	
		4/8/8	18"	SM - silty fine-coarse sand w/gravel, brown (10Y 5/3), wet, poorly sorted, particles < 3 mm diameter	first water - 11.25' perched water associated with sand zone between the depths of 11.25' and 12.5'	
		NA	NA	CL - fine sandy clay, grayish brown (10YR 5/2), moist, 10-20% sand, mottled, slight ferric staining	PID (at borehole/14') - 7.5 total depth - 14.5'	
15				Well Construction 4"-diam. Sched 40 PVC casing 14.5' - grade 0.010" slotted 14.5' - 11.5' blank 11.5' - grade #2-12 grade sand filter pack 14.5' - 10' bentonite pellet seal 10' - 8' 5% bentonite/95% cement grout 8' - grade		
20						
25						
30						

01-488Q
2S/3W 16Q1



OHM CORP.

WELL COMPLETION DIAGRAM
MONITOR WELL A-1
AEROQUALITY PLATING SITE
OAKLAND, CA

CONFIDENTIAL

STATE OF CALIFORNIA DWR
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(WELL LOGS)

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25/3W 16Q

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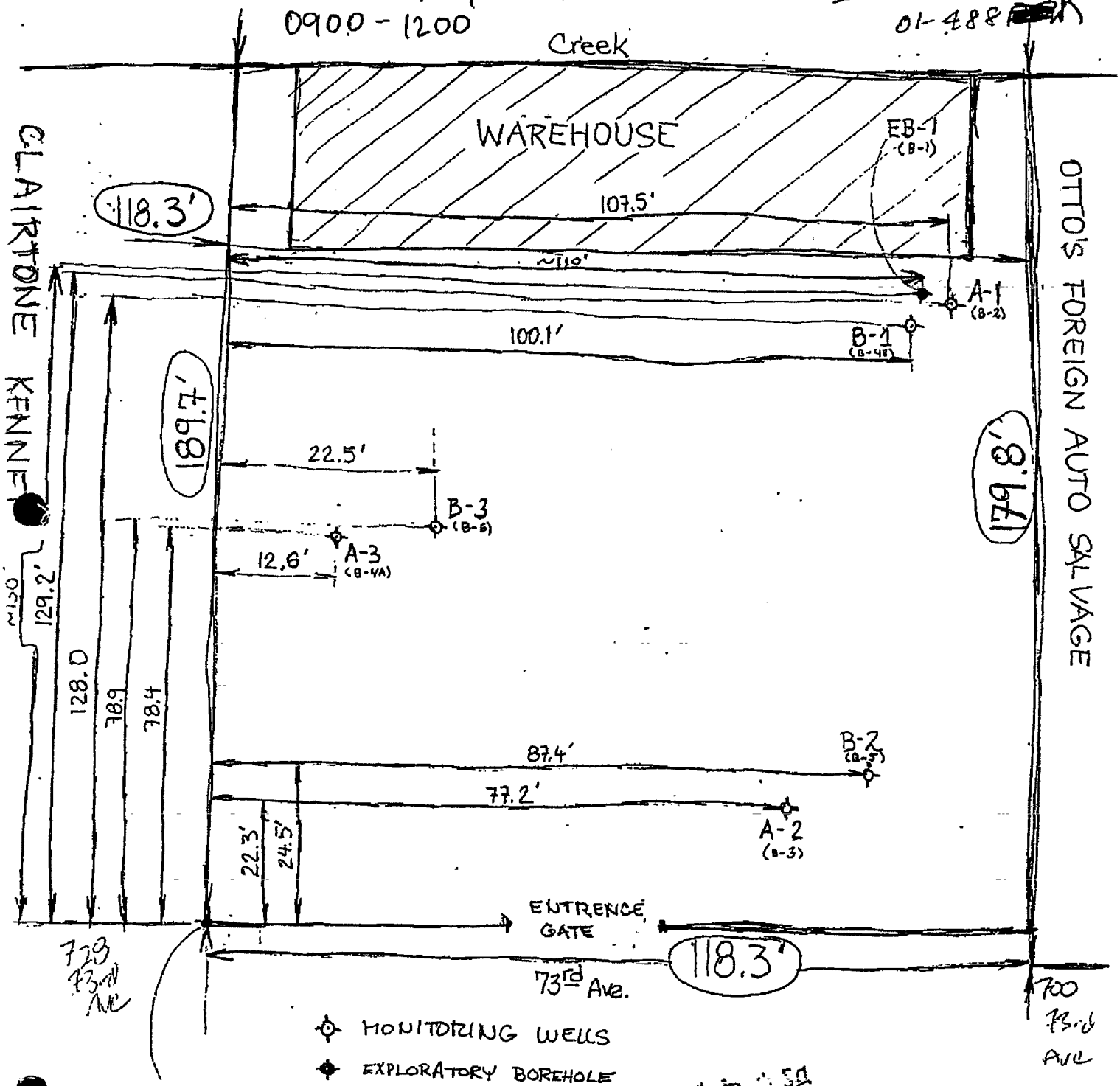

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01-488R
2S/3W 16Q2

PART 1

PAGE 1 OF 1

OHM Corporation

JOB NO. 9139

BORE HOLE NO. A-2

PROJECT: AeroQuality Plating/DHS

LOCATION: Oakland, CA

DRILLING CONTRACTOR: Layne Western

DRILLING EQUIPMENT: Hollow Stem Auger

HYDROGEOLOGIST: Steve Rouse

DRILLER: Bob

DATE START/TIME: 12/19/90 1455

DATE FINISH/TIME: 12/20/90 1230

SURFACE ELEVATION:

TOTAL DEPTH: 27 feet

WELL CASING: 4"-diam. PVC

SCREEN TYPE: 4"-diam. PVC

LENGTH: 10 feet

SLOT: 0.010-inch

GROUND WATER

DATE	TIME	DEPTH	WEATHER
12/21/90	1308	10.0	clear

GROUND WATER

DATE	TIME	DEPTH	WEATHER

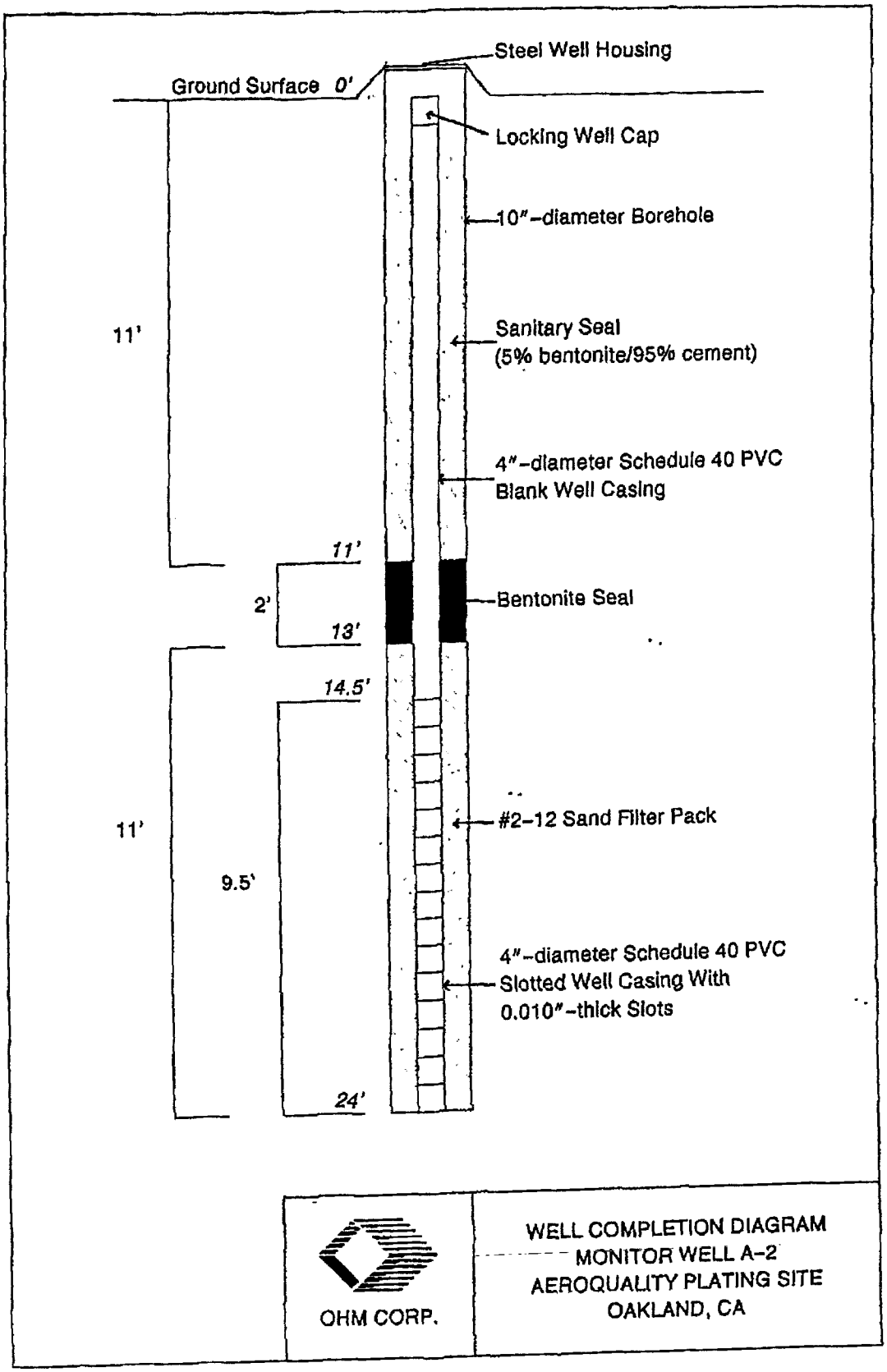
REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
		CC		SM - silty sand, brown (7.5YR 5/4), moist, with clay and gravel		
		5/5	12"			
5	B3-5 1455	2/4/5	12"	CL - sandy and silty clay, gray (5Y 6/1) to black (10YR 2/1), moist, mottled, ferric staining,	PID (sample/5') - 20+ hydrocarbon odor	
		3/4/5	18"		hydrocarbon odor	
		3/6/9	17"		hydrocarbon odor	
10		3/6/9	18"	grading coarser to sand and gravel		
	B3-11 0845	7/10/16	NA	SM - silty sand with gravel and clay, dark brown (10YR 3/3), very moist, trace pebbles		XX XX
		6/11/15	18"	CL - sandy clay, brown (10YR 5/3), moist, mottled, moderate ferric staining		XX XX
		8/11	10"		first water - 14'	
15	B3-15 0915	9/14/16	18"	SM - silty fine-medium sand, dark yellowish brown (10YR 4/4) to brown (10YR 4/3), very moist to wet, trace clay, moderately to poorly sorted, gravelly at 15-foot depth		
		9/13/14	18"			
		8/10/15	18"			
20	B3-20 0950	13/16/22	18"	grades coarser with depth to silty and gravelly fine sand at 20-foot depth		
		9/13/22	NA			
		NA	NA			
		6/6/9	NA			XXXXXXXX
25	B3-25 1100	6/6/7	NA	CL - silty clay, grayish brown (2.5Y 5/2), moist, trace sand, 1/4"-thick ferric stained lamina		XXXXXXXX XXXXXXXX XXXXXXXX
					total depth - 27 feet	
30				Well Construction 4"-diam. Sched 40 PVC blank 14.5' - grade 4"-diam. Sched 40 #10 slot 24' - 14.5' #2-12 grade sand filter pack 24' - 13' bentonite pellet seal 13' - 11' 5% bentonite/95% cement grout 11' - grade		

1425 W. North Market Boulevard ■ Suite 9 ■ Sacramento, California 95834 ■ 916-928-1819

01488R
2S/3W 16Q2



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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25/3W 16Q 1-6

AERO QUALITY PLATING - 9139

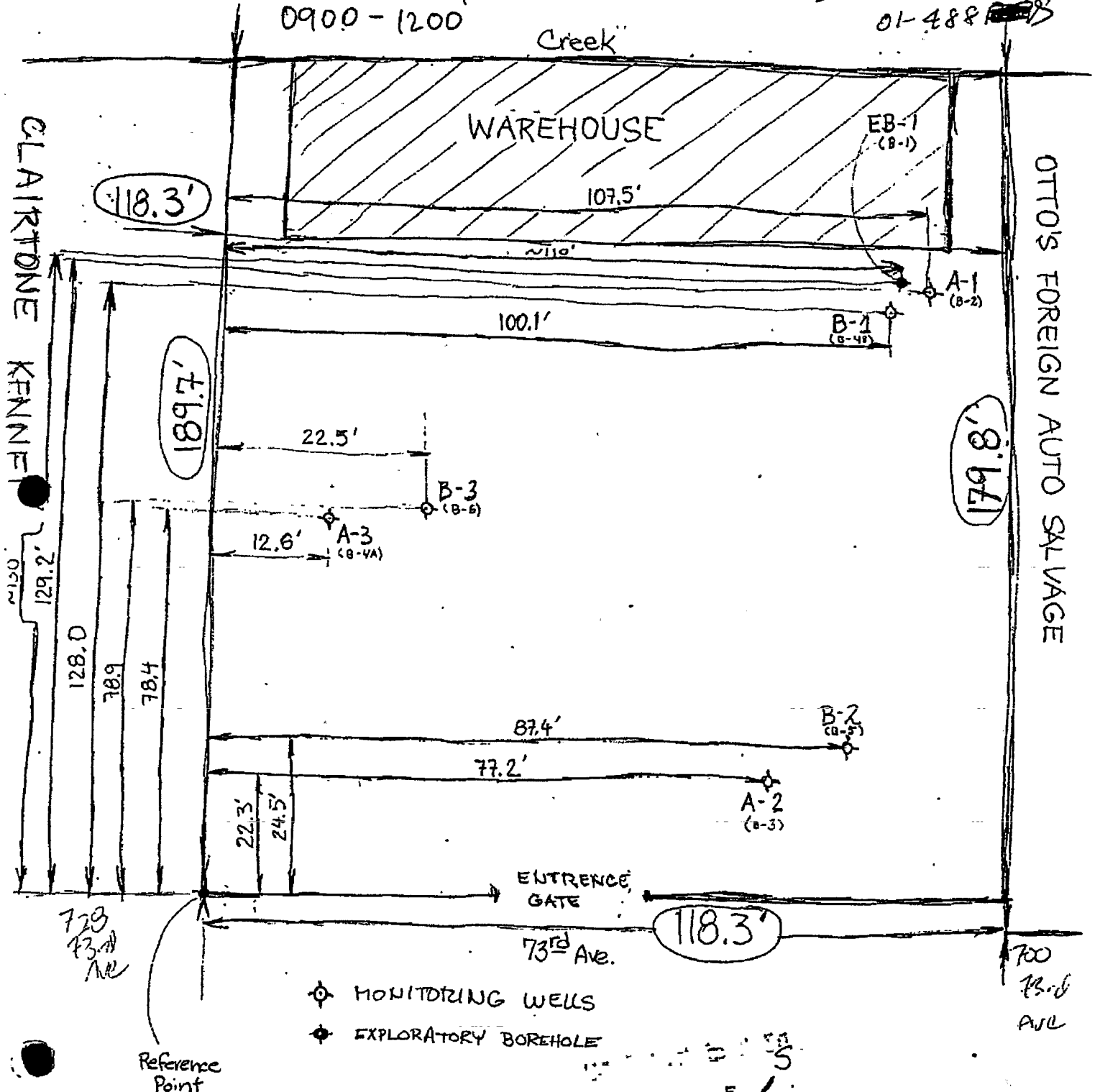
SURVAY 01-25-1991

BILL STUTZEK, RICH. TROSS

0900 - 1200

25/3W 16Q

01-488 B



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907-9

01-4885
2S/3W 16Q3

PART 1

PAGE 1 OF 1

OHM Corporation

JOB NO. 9139	BORE HOLE NO. A-3
PROJECT AeroQuality Plating/DHS	LOCATION Oakland, CA
DRILLING CONTRACTOR Layne Western	DRILLING EQUIPMENT Hollow Stem Auger
HYDROGEOLOGIST Steve Rouse	DRILLER Bob
DATE START/TIME 12/20/90 1400	DATE FINISH/TIME 12/21/90 1300
SURFACE ELEVATION	TOTAL DEPTH 27 feet
WELL CASING 4"-diam. PVC	SCREEN TYPE 4"-diam. PVC
LENGTH 10 feet	SLOT 0.010-inch

GROUND WATER

DATE	TIME	DEPTH	WEATHER
12/28/90	1200	8.6 feet	clear

GROUND WATER

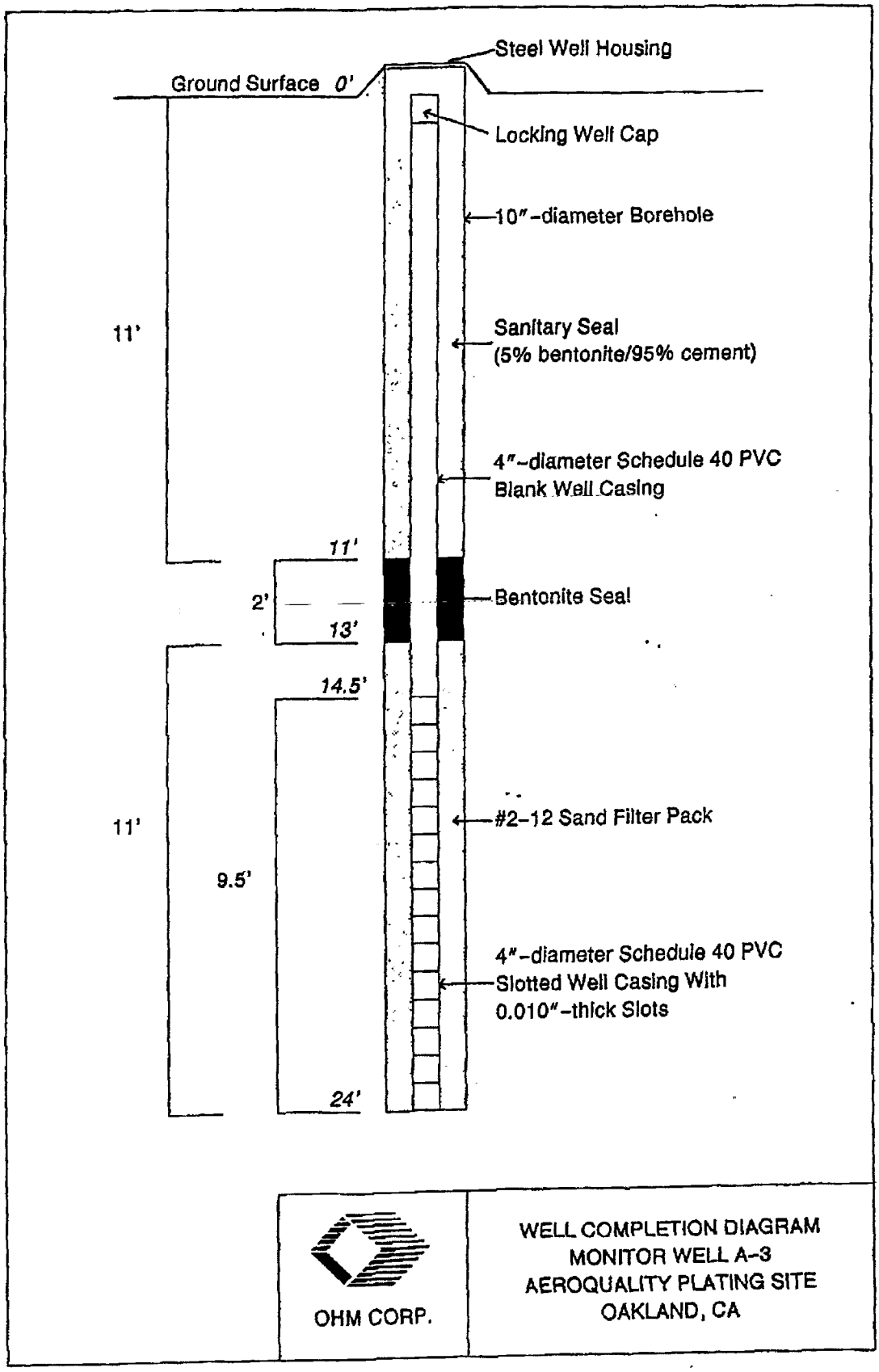
DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
				4" chip seal surfacing		
				SM - silty sand with clay, dark yellowish brown (10YR 4/4), moist, trace gravel		
		4/5/9	14"			
5						
		6/7/8	0"	CL - sandy clay, yellowish brown (10YR 5/4) to very dark brown (10YR 2/2), moist, brick and concrete fragments at 5-foot depth		
	B4-8 1445	5/12/14	6"			
	B4-10 1530	NA	NA	trace gravel	drilling ceased at 10' 12/19/90 1530	
10					drilling continued at 10' 12/20/90 0930	
	B4-11 0930	10/20/15	NA	trace gravel and brick fragments		
		11/12/25	NA		first water - 13.2'	XX
				SM - silty fine-medium sand with clay, dark grayish brown (10YR 4/2), moist, ferric stained		XX
		6/15/19	12"			XX
15	B4-15 0945	11/14/16	13"	ML - fine sandy silt with clay, brown (10YR 5/3), moist		
		6/9/14	18"	SM - silty fine-medium sand, dark grayish brown (10YR 4/2), wet, moderately to poorly sorted		
		3/5/3	4"	CL - sandy clay, very dark grayish brown (10YR 3/2), wet, mottled		
	B4-20 1020	20/27/35	18"	GW - fine-coarse sandy gravel, dark grayish brown (10YR 3/2), wet, very poorly sorted, with pebbles to 1/2" diameter		
20		10/24/16	18"			
		3/6/10	16"			
				grading finer		
	B4-25 1145	6/9/12	15"	CL - sandy clay, dark grayish brown (10YR 4/2), moist, six-inch zone of moist, clayey sand between 26- and 26.5-foot depths		XXXXXXXX
25		4/5/6	14"			XXXXXXXX
						XXXXXXXX
					total depth - 27 feet	XXXXXXXX
				Well Construction 4"-diam. Sched 40 PVC blank 14.5' - grade 4"-diam. Sched 40 #10 slot 24' - 14.5' #2-12 grade sand filter pack 24' - 13' bentonite pellet seal 13' - 11' 5% bentonite/95% cement grout 11' - grade		
30						

01-4885
2S/3W 16Q 3



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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25/3W 16Q 1-6.

AERO QUALITY PLATING - 9139

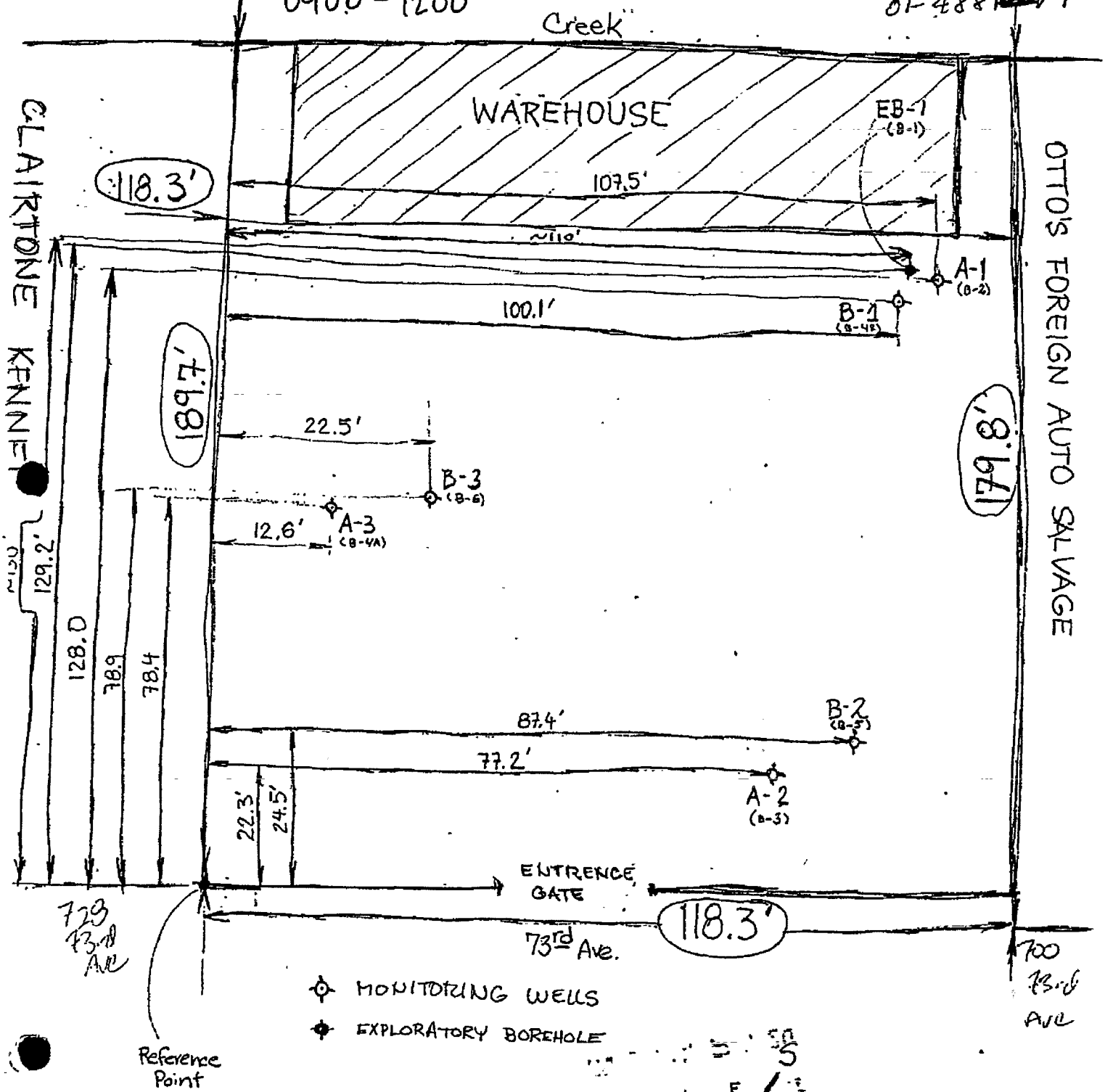
SURVAY 01-25-1991

BILL STUTZEK, RICH TROSS

0900 - 1200

25/3W 16Q

01-488 [redacted] VT



723 73rd Ave

700 73rd Ave

Not to scale

phone : 916-928-1819

Lic# C57 - 600469

01-488T
2S/3W 16Q4

PART 1

PAGE 1 OF 2

OHM Corporation

JOB NO. 9139	BORE HOLE NO. B-1
PROJECT AeroQuality Plating/DHS	LOCATION Oakland, CA
DRILLING CONTRACTOR Layne Western	DRILLING EQUIPMENT Hollow Stem Auger
HYDROGEOLOGIST Steve Rouse	DRILLER Bob
DATE START/TIME 1/14/91 0915	DATE FINISH/TIME 1/18/91 1300
SURFACE ELEVATION	TOTAL DEPTH 66.5 feet
WELL CASING 4"-diam PVC	SCREEN TYPE 4"-diam PVC
LENGTH 10 feet	SLOT 0.010" slotted

GROUND WATER

DATE	TIME	DEPTH	WEATHER
1/22/91	1630	9.27 feet	

GROUND WATER

DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
		CC	NA	SC - clayey sand with gravel, dark yellowish brown (10YR 4/4), moist,		
5		CC	NA	CL - clay and sandy clay, grayish brown (10YR 5/2) to black (10YR 2/1), moist, mottled		
10		CC	NA	ML - clayey silt with fine sand, yellowish brown (10YR 5/4), grades coarse with depth SM - silty fine sand with clay, yellowish brown (10YR 5/4), wet, grades coarser with depth GP - sandy gravel, dark yellowish brown (10YR 4/4), wet, pebbly	first water - approx. 10.5' 1010	
15		CC	NA	CL - silty clay, yellowish brown (10YR 5/4) to brown (10YR 4/3), very moist to wet, mottled, grades coarse with depth to clayey silt at 16-foot depth		
20		CC	NA	SM - silty sand, yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/4), wet, grades coarser with depth from silty fine sand at 16.5-foot depth to silty fine to carse sand with pebbles at 17.5-foot depth, poorly sorted		
25		CC	NA	ML/CL - clayey silty and silty clay, olive gray (5Y 5/2), moist, trace clay, mottled		
30						

01-488T
2S/3W16Q4

PART 2

PAGE 2 OF 2

JOB NO. 9139

BORE HOLE NO. B-1

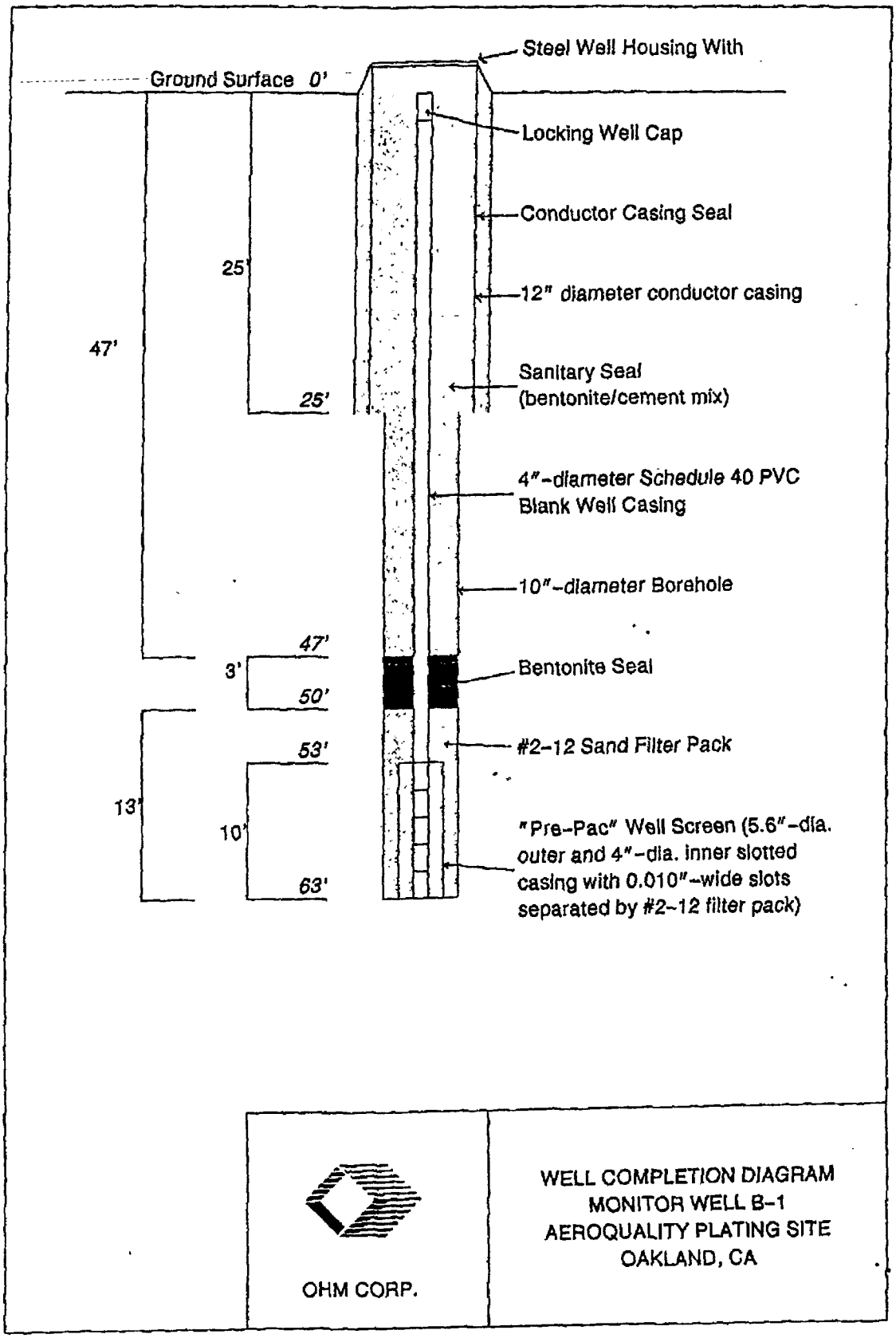
PROJECT AeroQuality Plating

LOCATION Oakland, CA

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
		CC	NA		drilled by hollow stem auger to 32.5' (1/14/91 1145)	
	1/17/91				over-drilled by mud rotary 12"-steel casing installed 0 to 25' (1/15-1/16)	
		3/3/4	4"		hollow stem auger drilling continued (1/17/91)	
35		6/9/18	18"			
	B4-36 1420	6/9/13	18"			
		6/7/11	18"			
		6/7/10	18"	CL - silty clay, light olive brown (2.5Y 5/4) to brown (10YR 5/3), moist, trace fine sand, slightly mottled, clayey silt with fine sand at 40' depth, with sand and trace gravel below 40.5' depth		
40	B4-41 1450	6/10/14	14"			
		7/11/14	14"			
		7/11/22	NA	sand appears as stringers, with ferric staining		
45	B4-46 1545	10/20/22	NA			
		5/6/12	NA			XX
		7/12/14	NA			XX
50	B4-51 1620	18/21/22	NA	ML - clayey silt with fine sand, yellowish brown (10YR 5/6, very moist, trace gravel		
		7/11/16	NA			
				SM - silty fine-coarse sand with gravel, yellowish brown (10YR 5/6), moist, poorly sorted, pebbly		
55						
		CC	NA			
60						
		CC	NA			XXXXXXXX
65	B4-65 0830	8/16/18	14"	GM - fine-coarse sandy gravel with silt, yellowish brown, wet, poorly sorted, pebbly, grading to... SM - silty, fine-coarse sand, wet, moderately well sorted, trace gravel	terminated at 65' - 1/17 drilling continued - 1/18 total depth - 66.5'	XXXXXXXX
70				Well Construction 5.6"-diam. Pre-Pac Well Screen 63' - 53' (dual 0.010" slotted casing w/#2-12 sand, 4"-i.d.) 4"-diam. Sched 40 PVC blank casing 53' - grade #2-12 grade sand filter pack 53' - 50' bentonite pellet seal 50' - 47' 5% bentonite/95% cement grout 47' - grade 12"-diameter steel casing 25' - grade		

01-488T
2S/3W 16Q4



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(WELL LOGS)

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25/3W 16Q 1-6

AERO QUALITY PLATING - 9139

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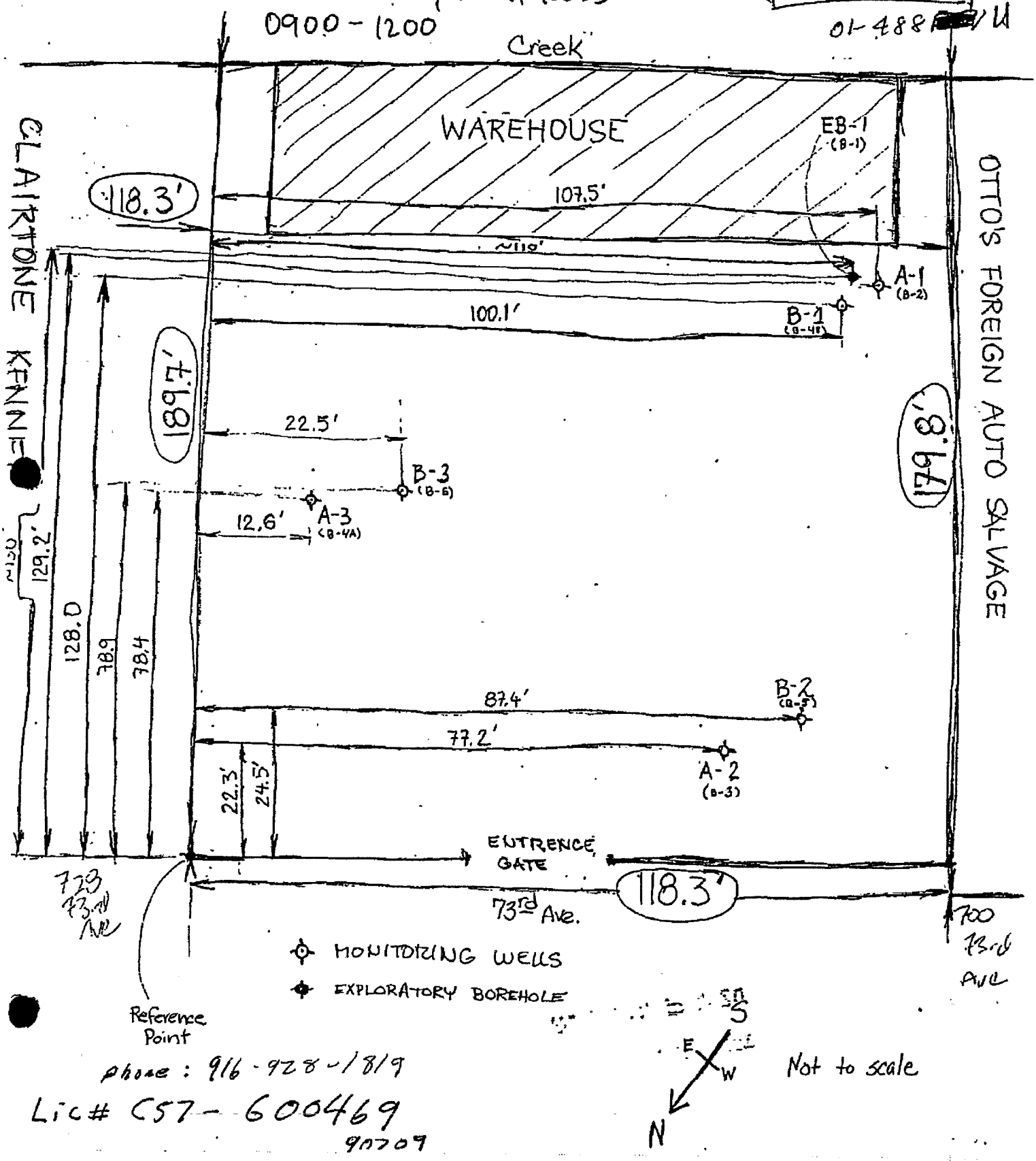
BILL STUTZEK, RICH TROSS
0900 - 1200

25/3W 16Q



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Lic# C57-600469

90709

01-488U
2S/3W 16Q5

PART 1

OHM Corporation

JOB NO. 9139

BORE HOLE NO. B-2

PROJECT: AeroQuality Plating/DHS

LOCATION: Oakland, CA

DRILLING CONTRACTOR: Layne Western

DRILLING EQUIPMENT: Hollow Stem Auger

HYDROGEOLOGIST: Steve Rouse

DRILLER: Bob

DATE START/TIME: 1/14/91 1400

DATE FINISH/TIME: 1/16/91 1600

SURFACE ELEVATION:

TOTAL DEPTH: 63 feet

WELL CASING: 4"-diam PVC

SCREEN TYPE: 4"-diam PVC

LENGTH: 10 feet

SLOT: 0.010"

GROUND WATER

DATE	TIME	DEPTH	WEATHER
12/22/91	1630	9.39 feet	

GROUND WATER

DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
5				NO SAMPLES COLLECTED		
10						
15						
20						
25				GW - sandy gravel, grayish brown (2.5Y 4/2), wet poorly sorted		
				ML - clayey silt, light brownish gray (2.5Y 6/2) to brown (10YR 5/3), moist, mottled, iron-stained		
		CC	NA	SW - sand, moist, mottled, iron-stained		
30						

01-488U
2S/3W 16Q 5

PART 2

PAGE 2 OF 2

JOB NO. 9139

BORE HOLE NO. B-2

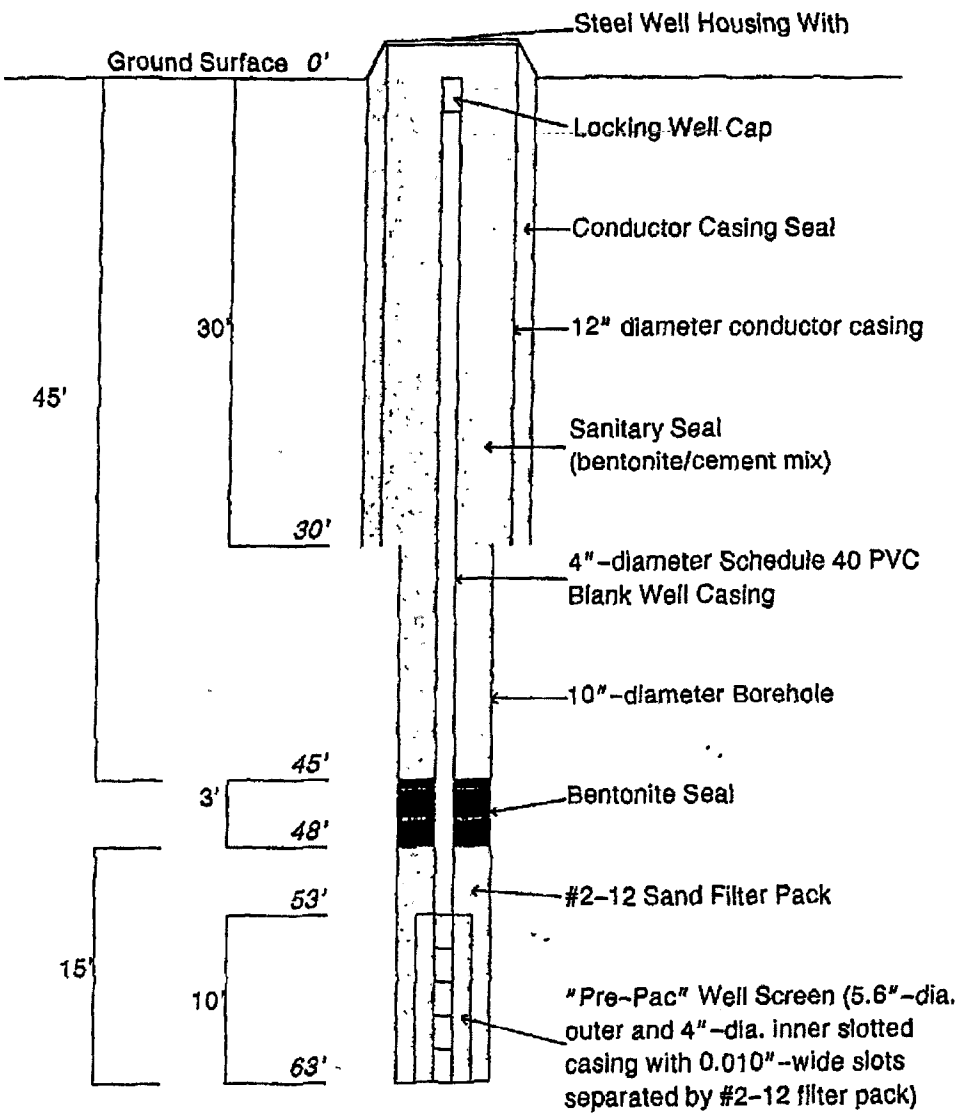
PROJECT AeroQuality Plating

LOCATION Oakland, CA

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
		CC	NA	SW - sand, moist, mottled, iron-stained	drilled by hollow stem auger to 31.5' (1/15/91 1455) over-drilled by mud rotary 12"-steel casing installed 0 to 30' (1/15-1/16) hollow stem auger drilling continued (1/17/91)	
	1/17/91					
		7/11/16	16"			
35						
	B5-36 0915	6/12/12	18"			
		6/7/8	12"	CL/ML - silty clay and clayey silt, brown (7.5YR 5/4) to grayish brown (10YR 5/2), very moist to wet, trace sand, slightly mottled		
		4/8/13	18"			
40						
	B5-41 1000	10/14/16	18"			
		6/12/12	18"	CL - sandy clay with gravel, brown (7.5YR 5/4), very moist		
		4/10/14	NA	ML - clayey silt with fine sand, brown (7.5YR 5/2), very moist, grading with depth to silty clay with trace sand		XX
45						XX
	B5-46 1030	7/10/13	18"			XX
		5/10/13	18"	CL - silty clay, yellowish brown (10YR 5/4) to brown (10YR 5/3), very moist, trace sand, iron oxide staining		XX
		6/11/16	18"			
50						
	B5-51 1120	6/7/11	18"			
		7/7/13	18"	ML - clayey silt, brownish gray (10YR 6/6) to yellowish brown (10YR 5/4), very moist, grading coarser with depth, zone of silty fine sand with clay at 53-foot depth		
		8/13/30	18"			
55						
	B5-56 1200	24/50/50	18"	GW - fine-coarse sandy gravel, yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/4), wet, poorly sorted, pebbly		
		23/42/47	18"			
60				no samples collected 58.5 feet to 63.0 feet drilling cuttings indicated sandy gravel to total depth		
					total depth - 63.0 feet	
65				Well Construction		
				5.6"-diam. Pre-Pac Well Screen 63' - 53' (dual 0.010" slotted casing w/#2-12 sand, 4"-i.d.)	total depth - 66.5'	
				4"-diam. Sched 40 PVC blank casing 53' - grade		
				#2-12 grade sand filter pack 63' - 48'		
				bentonite pellet seal 48' - 45'		
				5% bentonite/95% cement grout 45' - grade		
70				12"-diameter steel casing 30' - grade		

01-488U
2S/3W 16Q5



OHM CORP.

WELL COMPLETION DIAGRAM
MONITOR WELL B-2
AEROQUALITY PLATING SITE
OAKLAND, CA

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W 16Q 1-6

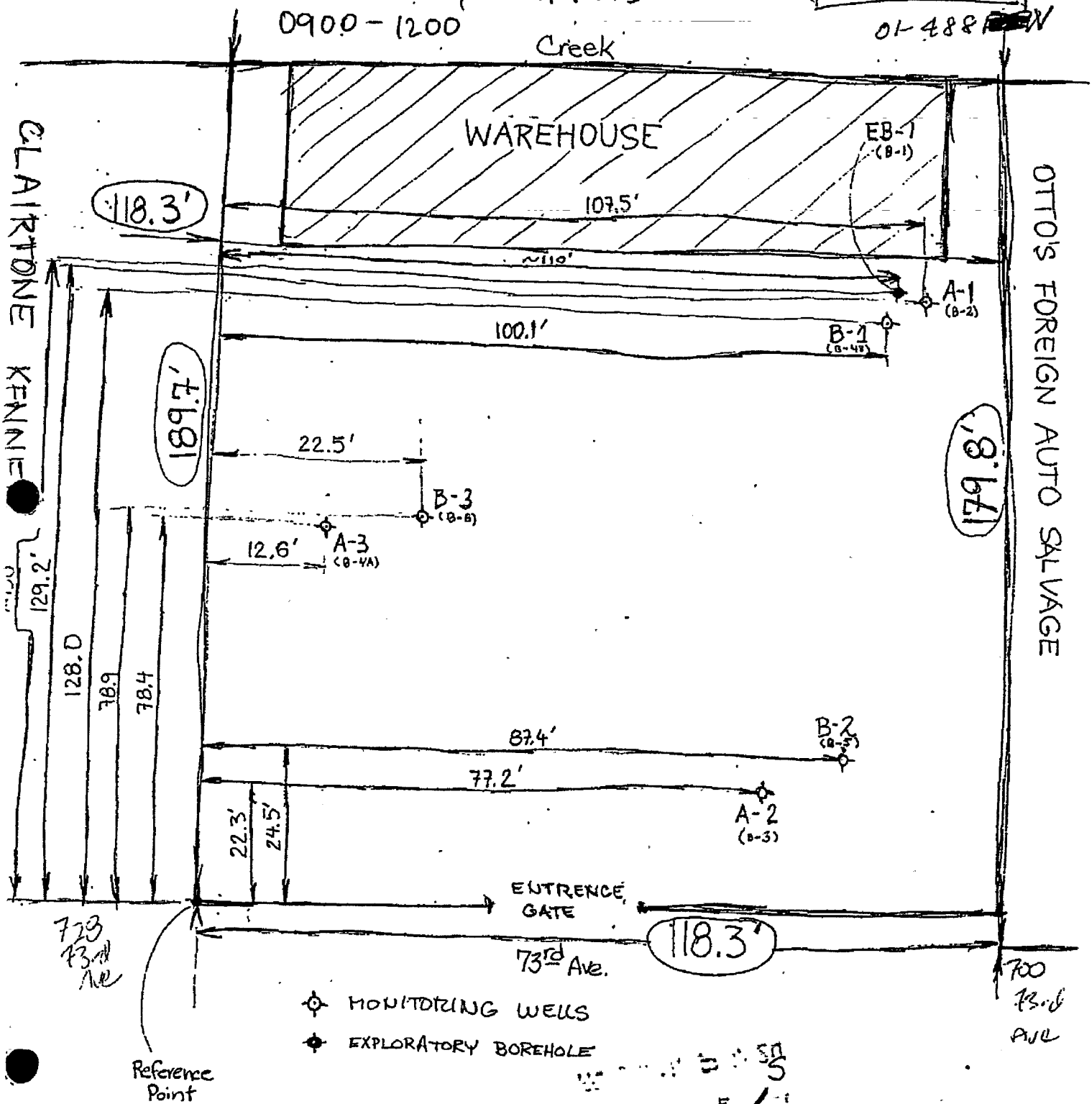
AERO QUALITY PLATING - 9139

SURVAY 01-25-1991

BILL STUREK, RICH. TROSS

0900 - 1200

25/3W 16Q



Not to scale

phone: 916-928-1819

Lic# C57 - 600469

90709

01-488V
2S/3W 16Q5

PART 1

PAGE 1 OF 2

JOB NO. 9139

BORE HOLE NO. B-3

OHM Corporation

PROJECT: AeroQuality Plating/DHS

LOCATION: Oakland, CA

DRILLING CONTRACTOR: Layne Western

DRILLING EQUIPMENT: Hollow Stem Auger

HYDROGEOLOGIST: Steve Rouse

DRILLER: Bob

DATE START/TIME: 1/15/91 0900

DATE FINISH/TIME: 1/21/91 1830

SURFACE ELEVATION:

TOTAL DEPTH: 69.5 feet

WELL CASING: 4"-diam PVC

SCREEN TYPE: 4"-diam PVC

LENGTH: 10 feet

SLOT: 0.010"

GROUND WATER

DATE	TIME	DEPTH	WEATHER
1/22/91	1630	9.52 feet	

GROUND WATER

DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
		CC	NA	6-8" asphalt and miscellaneous base rock ML - silty fine sandy and sandy silt, dark yellowish brown (10YR 4/4), slightly moist, with construction debris (i.e. baserock, asphalt)		
5		CC	NA	CL - silty and sandy clay, dark yellowish brown (10YR 4/4) to black (10YR 2/1), slightly moist to moist, asphalt and road base material to 3-foot depth, trace gravel at 8-foot depth		
10		CC	NA	GW - fine-coarse sandy gravel, dark grayish brown (10YR 4/2), very moist to wet, with silt, poorly sorted, pebbly SC - clayey sand, yellowish brown (10YR 5/4), wet	first water - 9.5 feet	
15		CC	NA	SM - silty fine-medium sand, brown (10YR 5/3) to yellowish brown (10YR 5/4), wet		
20		CC	NA	SW - fine-coarse sand with gravel, brown (10YR 4/3), wet		
25		CC	NA			
				CL/ML - silty clay and clayey silt, light yellowish brown (2.5Y 6/4), very moist, trace sand		
30		CC	NA			

01-488V
2S/3W 16Q6

PART 2

PAGE 2 OF 2

JOB NO. 9139

BORE HOLE NO. B-3

PROJECT AeroQuality Plating

LOCATION Oakland, CA

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6'	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
					drilled by hollow stem auger to 32' (1/15/91 1115)	
				CL/ML - silty clay and clayey silt, yellowish brown (10YR 5/4), moist, trace sand	over-drilled by mud rotary 12"-steel casing installed 0 to 30' (1/15-1/16)	
		5/15/22	18"			
	B6-34 1015	NA	18"		hollow stem auger drilling continued (1/21/91)	
35				with subangular gravel to maximum diameter of 1.5 inches		
		6/6/7	18"			
		7/10/16	18"			
	B6-39 1045	10/25/30	14"	1" layer of poorly sorted sand and gravel at 39', approx. 20% silt and clay		
40		8/8/11	15"	SW - sand, yellowish brown (10YR 5/4), with fine gravel, approx. 20% clay and silt		
		9/12/11	18"	CL/ML - silty clay and clayey silt, brown (10YR 5/3), moist, approx. 10% poorly sorted, fine sand, trace gravel at 42-foot depth, 1" layer of poorly sorted sand with 20% silt and clay at 43-foot depth		
	B6-44 1115	8/10/12	14"			
45		7/12/24	18"			
		15/25/37	18"	ML - clayey silt with poorly sorted sand, light olive brown (2.5Y 5/4), trace subangular gravel to 1" diameter		
	B6-49 1150	15/25/37	16"	SW - sand, yellowish brown (10YR 5/6), <15% silt and clay, trace angular to subangular gravel to 1.5" diameter, 6" layer of silty and clayey sand between 48' and 48.5', grades finer with depth		XX
50		8/21/27	18"		hydrocarbon odor at well head PID (borehole) - 25	XX
55				no samples collected between 51.5' and 60'		
60		4/6/12	12"	SW/GW - gravelly sand and sandy gravel, olive brown (2.5Y 4/4), <10% clay and silt, angular to subangular		
65		10/21/27	18"	SW/GW - gravelly sand and sandy gravel, olive brown (2.5Y 4/4), 15-20% clay and silt, angular to subangular	PID (borehole) - 50	
		NA	NA	ML/CL - clayey silt and silty clay, yellowish brown (10YR 5/4), trace fine sand, iron oxide staining		XXXXXXXX
	B6-68 1510	9/15/15	16"			XXXXXXXX
70				Well Construction	total depth - 69.5'	
				5.6"-diam. Pre-Pac Well Screen 67' - 57' (dual 0.010" slotted casing w/#2-12 sand, 4"-i.d.)		
				4"-diam. Sched 40 PVC blank casing 57' - grade		
				#2-12 grade sand filter pack 57' - 52'		
				bentonite pellet seal 52' - 49'		
				5% bentonite/95% cement grout 49' - grade		
				12"-diameter steel casing 30' - grade		

01-488P
2S/3W 16Q

PART 1

OHM Corporation

JOB NO. 9139	BORE HOLE NO. EB-1
PROJECT AeroQuality Plating/DHS	LOCATION Oakland, CA
DRILLING CONTRACTOR Layne Western	DRILLING EQUIPMENT Hollow Stem Auger
HYDROGEOLOGIST Scott Rice	DRILLER Bob
DATE START/TIME 12/17/90 1020	DATE FINISH/TIME 12/18/90 1700
SURFACE ELEVATION	TOTAL DEPTH 50 feet
WELL CASING -	SCREEN TYPE -
LENGTH -	SLOT -

GROUND WATER

DATE	TIME	DEPTH	WEATHER

	CASING	CORE	SAMPLER	TUBE
TYPE				
DIAMETER				
HAMMER WT.				
FALL				

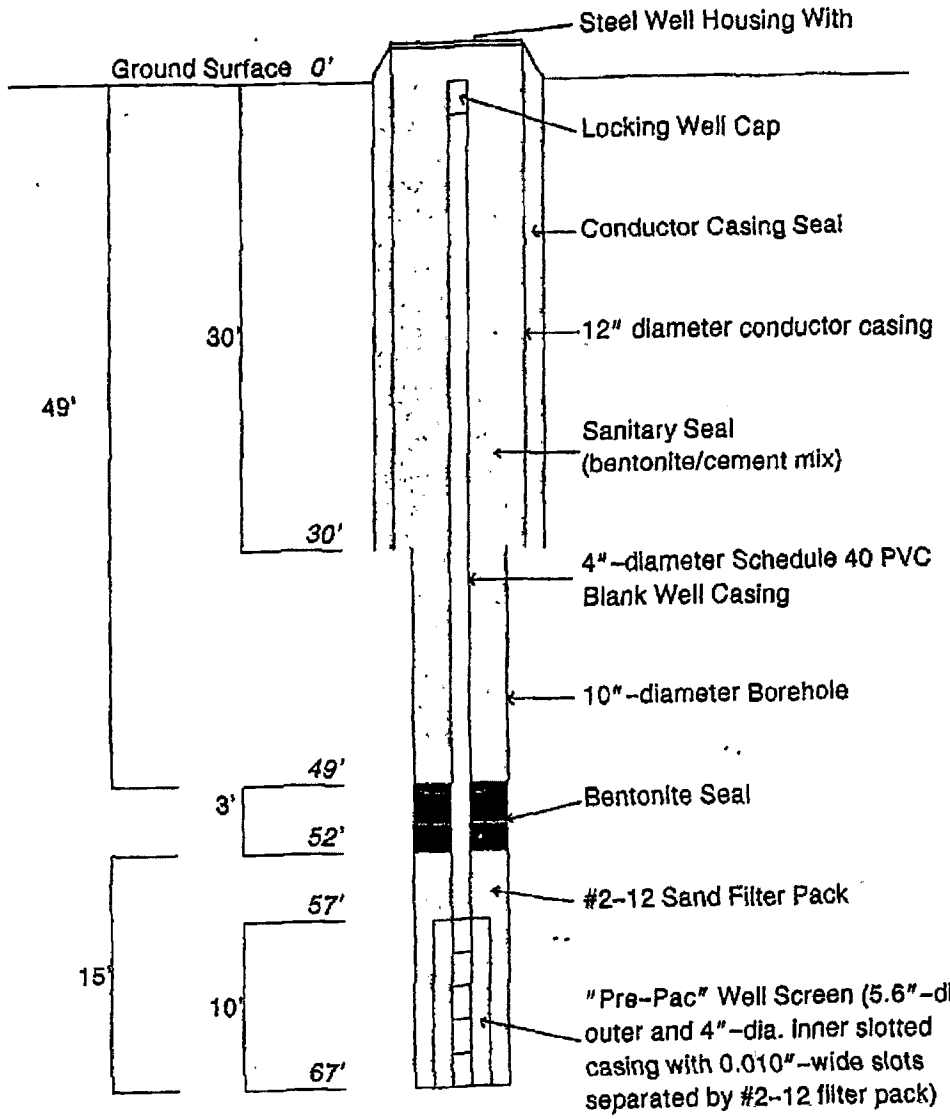
REMARKS

BORE HOLE LOG

DEPTH	SAMPLE NUMBER	BLOW COUNT PER 6"	RECOVERY	LITHOLOGIC DESCRIPTION	REMARKS	GRAPHIC LOG
-	12/17/90	CC	NA	1" thick chip seal at surface SW - sand, dark yellowish brown (10YR 3/6), dry, <10% silt and clay, friable, subangular particles to 1 cm diameter	10" diameter borehole?	XXXXXXXX
-		3/4/5	15"			XXXXXXXX
-		CC	NA			XXXXXXXX
5-				CL - clay and sandy clay, brown (10YR 4/3) to very dark gray (10YR 3/1), moist to wet, moderately plastic to plastic, abundant root casts, 3"-thick interbeds of poorly sorted, loose clayey sand at 3.5- and 4.25-foot depths		XXXXXXXX
-	B1-5 1150	3/4/5	18"		PID (sample/5') - NA	XXXXXXXX
-		CC	NA			XXXXXXXX
10-				silt fraction increases, approx. 20% silt		XXXXXXXX
-	B1-10 1205	3/4/5	NA		PID (sample/10') - 400	XXXXXXXX
-				ML - silt, brown (10YR 4/3), most, 15% clay, 10% sand, low plasticity, moderately firm		XXXXXXXX
-		CC	NA	SW - coarse sand, very dark grayish brown (10YR 3/2), saturated, < 10% silt and clay, poorly sorted, subrounded, loose	first water - 12.75' perched water associated with coarse sand zone at same depth	XXXXXXXX
15-						XXXXXXXX
-	B1-15 1230	4/7/11	15"		PID (sample/15') - 5.0 PID (borehole/15') - 0.8	XXXXXXXX
-				ML - silt and mixtures of silt and clay, brown (10YR 5/3), moist to wet, low to moderate plasticity, trace sand, 1"-thick interbed of clayey sand at 19.5-foot depth		XXXXXXXX
-		CC	NA			XXXXXXXX
20-						XXXXXXXX
-	B1-20 1230	9/11/13	12"		PID (sample/20') - 1.2	XXXXXXXX
-		NA	18"	CL - clay and silty clay, olive gray (5Y 4/2), moist, moderately plastic to plastic, firm		XXXXXXXX
-		9/11/9	15"		driller notes sand in cuttings	XXXXXXXX
25-	B1-25 1540	4/4/4	18"		PID (sample/25') - 4.8 PID (borehole/25') - 0.0	XXXXXXXX
-				ML - clayey silt, olive gray (5Y 5/2), moist, 30% clay, trace sand, low plasticity, abundant gravel at 26 feet		XXXXXXXX
-		4/4/6	17"			XXXXXXXX
-		NA	16"			XXXXXXXX
30-	B1-30 1620	6/8/11	18"		PID (sample/30') - 2.4	XXXXXXXX

01-488Y

2S/3W 16Q6



OHM CORP.

WELL COMPLETION DIAGRAM
MONITOR WELL B-3
AEROQUALITY PLATING SITE
OAKLAND, CA

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W-16R1
123408

Layne-Western Company, Inc.

Subject American Brass + Iron Date 4/1/77

WO # 1429

Casing Size

14" OD 1/4 S.W. Blank Collared
14" OD 50 slot Johnson Screen
30" Conductor

17 joints 25' Blank = 425
3 joints 10' Blank = 30
1 joint 5' Blank = 5
470

3 joints 10' Screen = 30
3 joints 5' Screen = 15
505'

10' up
TD 495'

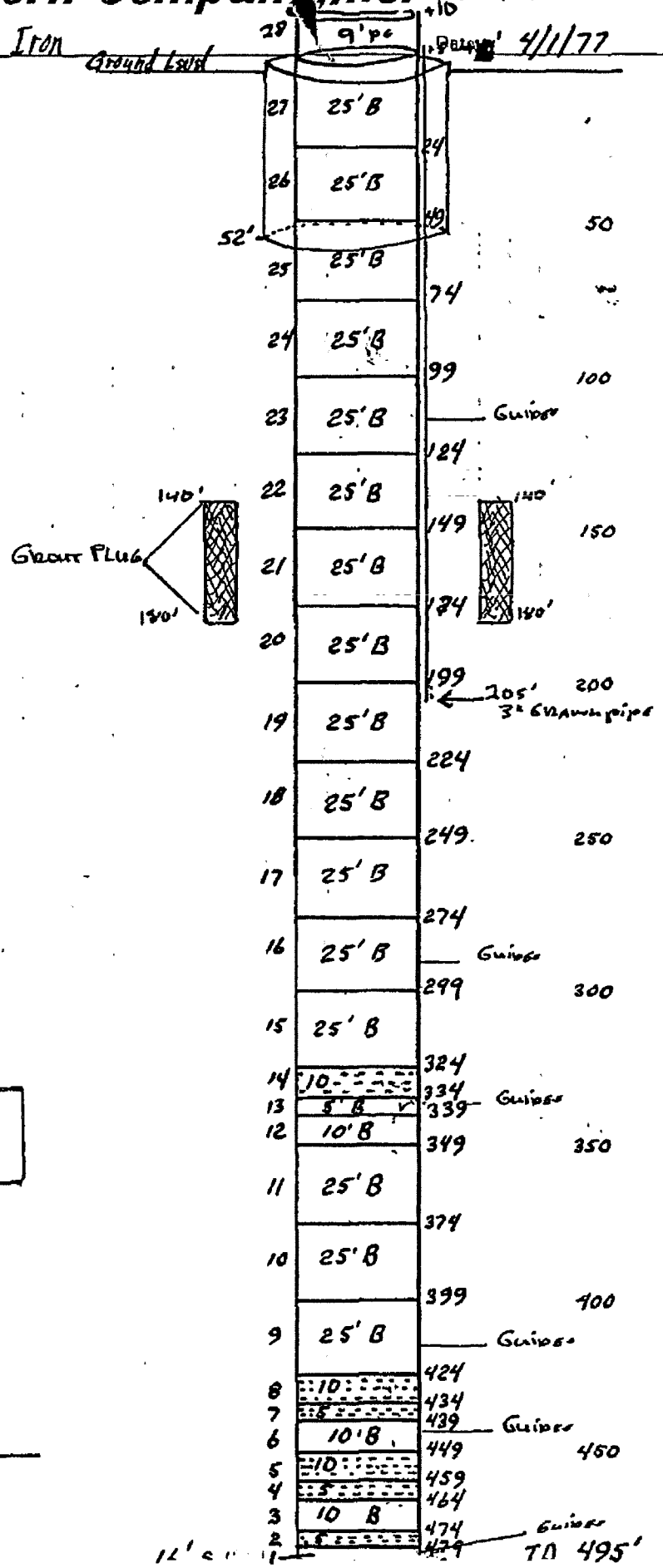
10 jts 3" x 21' pipe Black P.E.

Cement = 136 cu. ft.
2% Gel 1/2 Diamix

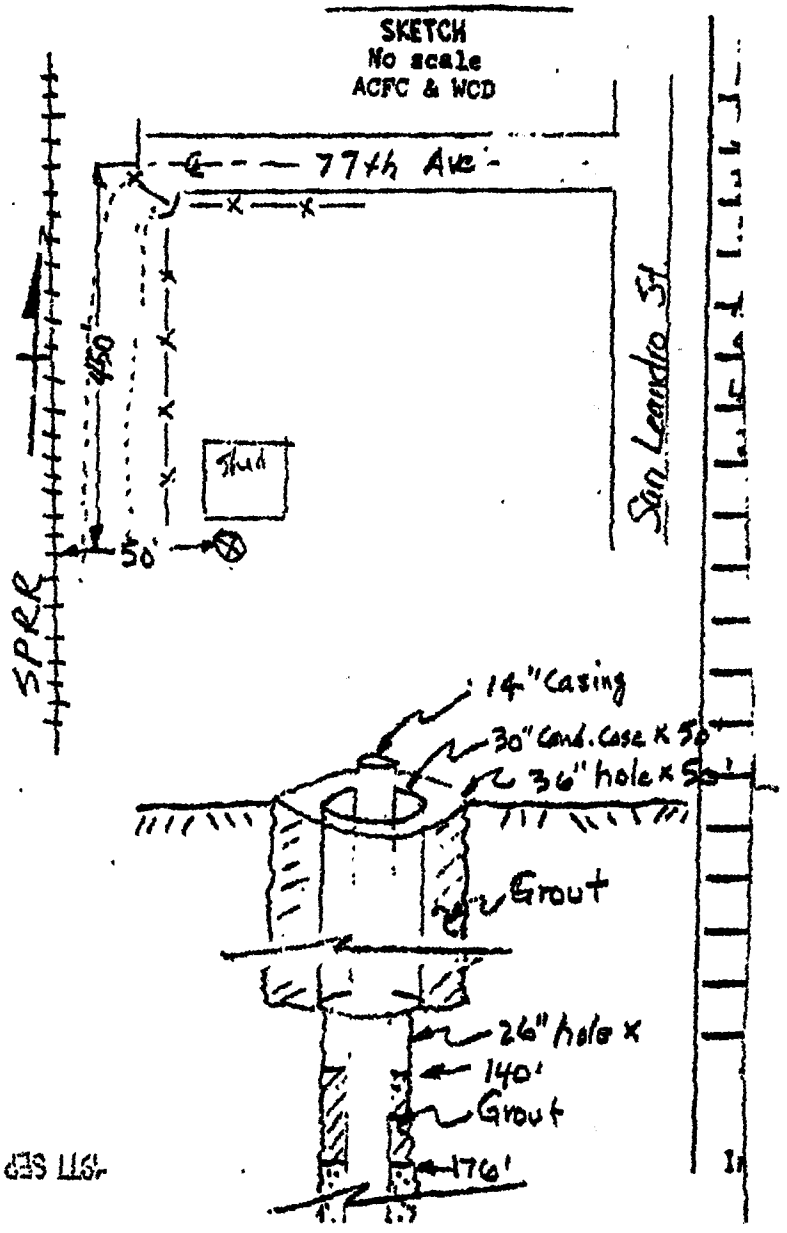
CASING LEFT ON JOB
1 pc 25' x 14" Blank
3 pc 10' x 14" Screen

47 Tons Birdseye Run 1st
45 Tons Pea Gravel 2nd

Casing installation supervised by: _____



123408


SKETCH
No scale
ACFC & WCD
77th Ave
San Leandro St
SPRR
450'
50'
Shed
14" Casing
30" Cond. Case x 50'
36" hole x 50'
Grout
26" hole x
140'
Grout
176'

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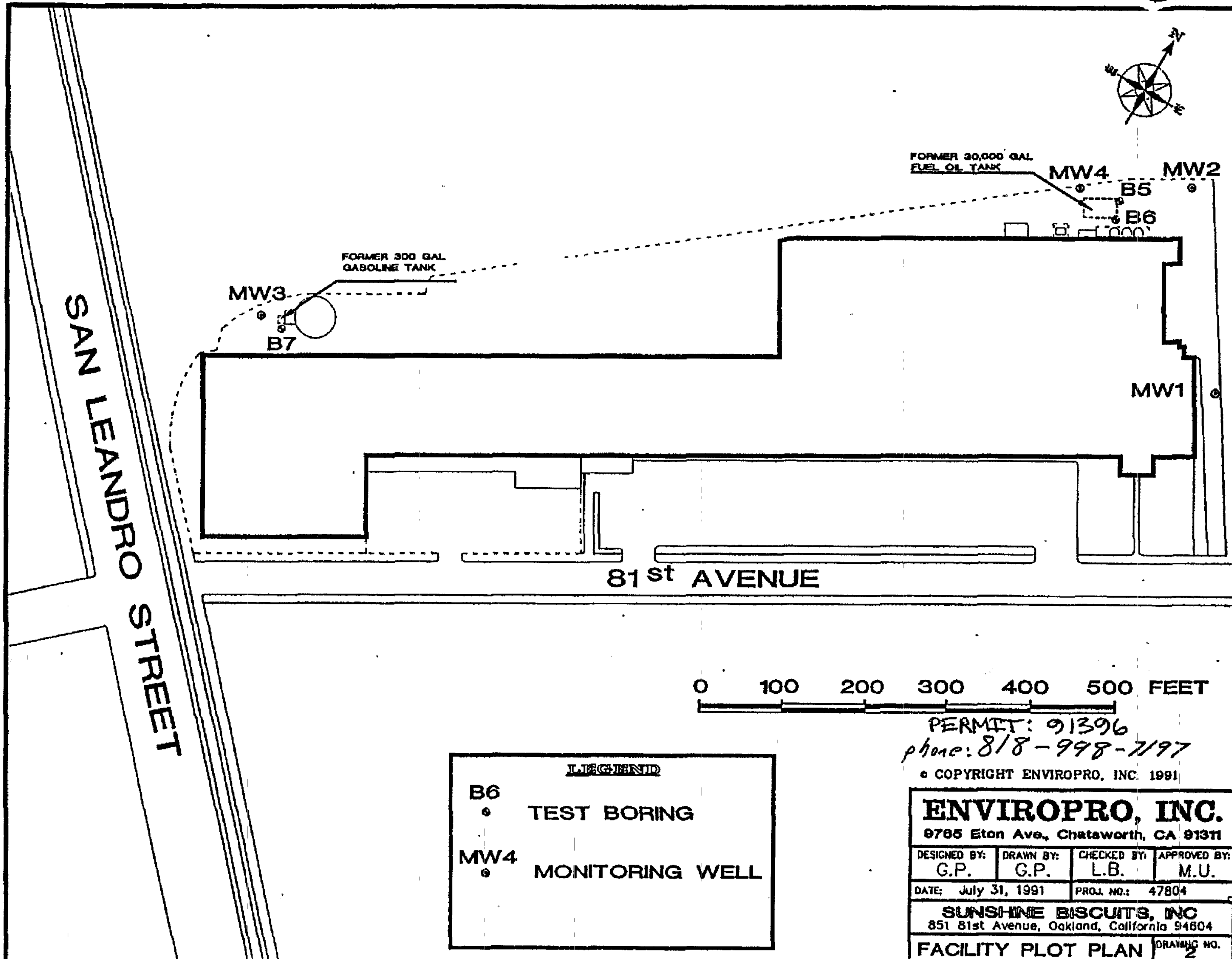
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



PERMIT: 91396
phone: 818-998-7197

LEGEND

B6 • TEST BORING

MW4 • MONITORING WELL

ENVIROPRO, INC.
9765 Eton Ave., Chatsworth, CA 91311

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
G.P.	G.P.	L.B.	M.U.
DATE: July 31, 1991		PROJ. NO.: 47804	

SUNSHINE BISCUITS, INC
851 81st Avenue, Oakland, California 94604

FACILITY PLOT PLAN — DRAWING NO. 2

01-507 [redacted] 2S/3W-16F11-14
3 borings

4

01-507C
2S/1W-16R13

ENVIROPRO, INC. (818) 998-7197
9765 Eton Avenue, Chatsworth, CA 91311

Field Drilling Record for Boring # MW3 Page 1 of 1

Project Name: Sunshine Biscuits
Project No. 47804
Location: 851 81st Avenue, Oakland, CA
Date: July 22, 1991
Field Geologist: George Pavlov
Drilling Co. West HazMat Drilling Corporation
Drilling Technique: Hollow Stem Auger **Diameter:** 10"
Sampler: Standard Penetrometer
PID Calibration: 105 PID units = 108 ppm Hexane
Checked by Geologist: Adonis B. Esmilla **License No.:** CEG #1431
Authorized Signature: Adonis B. Esmilla

Depth of Sample (Ft.)	Sample C=Chem. G=Geo.	Blow Count per 6"	USCS Symbols	Description: [SOIL TYPE (sand, silt, etc.) Color, Grain size, Moisture, Sorting, etc.]
5	G	2-3-4	CL	SILTY CLAY, black, moist, soft. No odor. PID = 8
10	C,G	7-7-15	CL	SILTY CLAY, moderate yellowish brown, moist, soft. No odor. PID = 10
13	C,G	8-15-15 8-14-27	CL	SILTY CLAY, moderate yellowish-brown, moist, stiff. No odor. PID = 18
20	G	Grab	CL	CLAY, light yellowish gray, saturated, soft. No odor. PID = 18

END OF BORING 36'

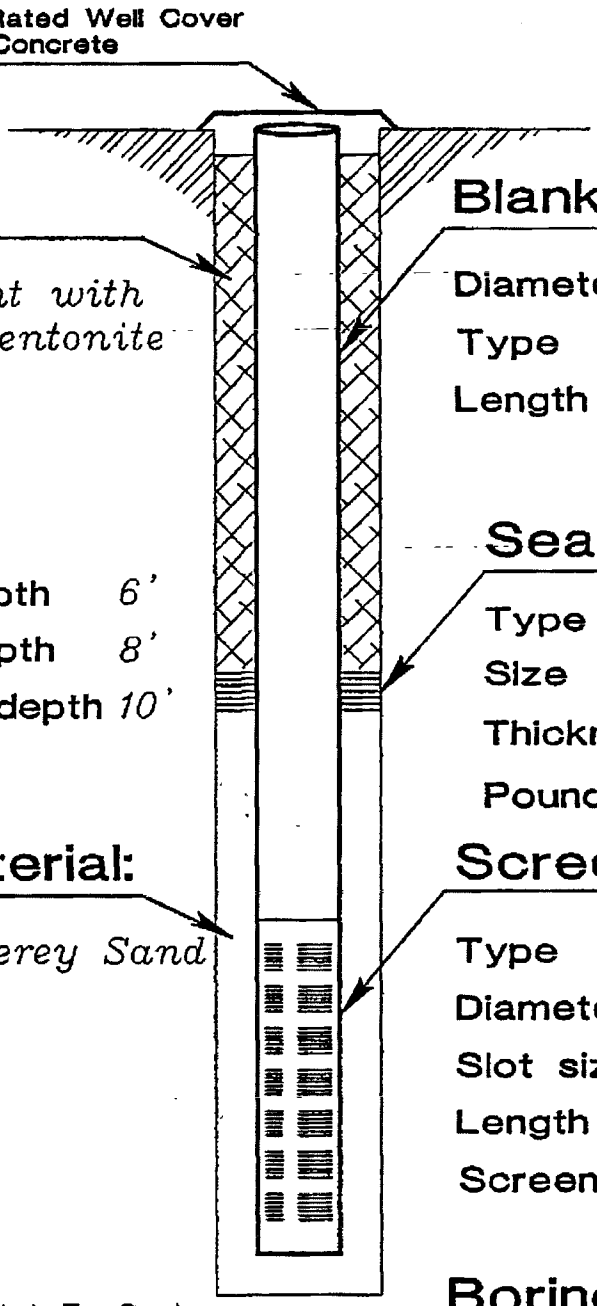
Notes:

1. Groundwater encountered at 15'.
2. Boring converted into a monitoring well.

01-567C
2S/3W-16R13

WELL COMPLETION DIAGRAM

MW3



Grout:

Type *Cement with 10% Bentonite*

Length *5'*

Blank Casing:

Diameter *4'*

Type *PVC*

Length *10'*

Seal:

Type *Bentonite*

Size *1/4" Pellets*

Thickness *2'*

Pounds *50*

Top seal depth *6'*

Top filter depth *8'*

Top screen depth *10'*

Filter Material:

Type *Monterey Sand*

Size *#3*

Length *27'*

Pounds *1300*

Screen:

Type *PVC*

Diameter *4"*

Slot size *0.02"*

Length *25'*

Screen bottom *35'*

Boring depth *36'*

NOTE: Diagram Is Not To Scale

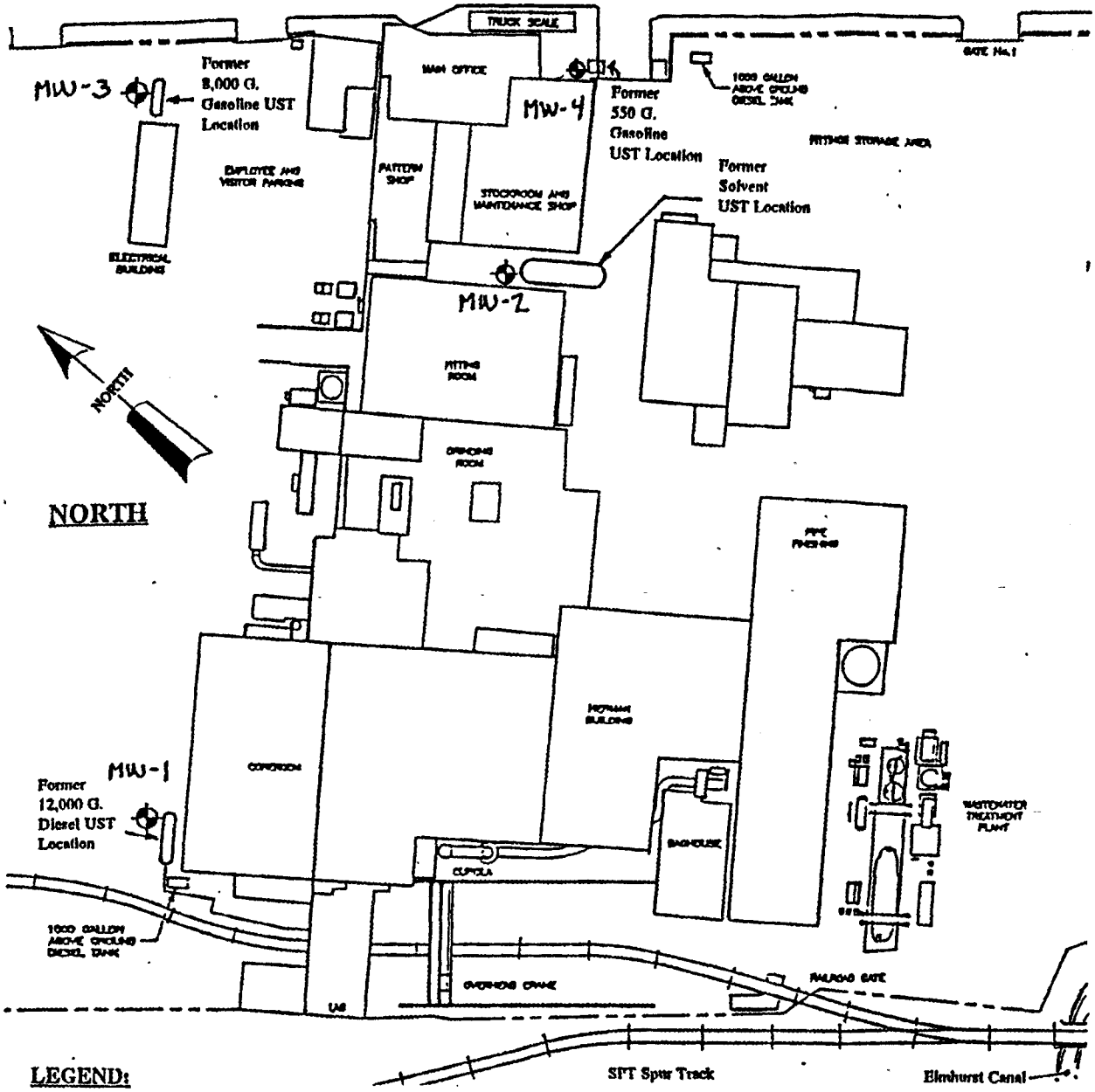
ENVIROPRO, INC.

9765 Eton Ave., Chatsworth, CA 91311

TEL. (818) 998-7197

PROJECT: SUNSHINE BISCUITS	PROJECT NO.: 47804
WELL LOCATION: 851 81st Avenue, Oakland, California 94604	FIGURE NO.: 3
FIELD GEOLOGIST: George Pavlov	DATE OF COMPLETION: July 22, 1991

424593-4-6-7 02503W16R16-16R19



Scale: NTS

WORK PLAN **SHALLOW SOIL AND GROUNDWATER INVESTIGATION** **AMERICAN BRASS & IRON FOUNDRY** **OAKLAND, CALIFORNIA**	**SITE PLAN** **JOB NO. P92270.3** **NOVEMBER 1992** **FIGURE: 2**	**BSK** & ASSOCIATES

02S03W16R16-19

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT American Brass & Iron Foundry
7825 San Leandro Street
Oakland, CA 94621

CLIENT
Name American Brass & Iron
Address 7825 San Leandro St. Phone 510 632 3467
City Oakland Zip 94621

APPLICANT
Name BSK Associates
Tim Berger
Address 1181 Quarry Lane Phone 510 462 4000
City Pleasanton Zip 94566

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	X
Monitoring	X	Well Destruction	

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. C-57 490942

WELL PROJECTS
Drill Hole Diameter 8 & 10 in. Maximum
Casing Diameter 2 & 4 in. Depth ~25 ft.
Surface Seal Depth ~10 ft. Number 4

GEOTECHNICAL PROJECTS
Number of Borings 1 Maximum
Hole Diameter 8 in. Depth 20 ft.

ESTIMATED STARTING DATE 2/16/93
ESTIMATED COMPLETION DATE 2/18/93

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Tim Berger Date 2/4/93

FOR OFFICE USE

PERMIT NUMBER 93062
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 9 Feb 93
Wyman Hong

3/92

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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WELL COMPLETION REPORT
(WELL LOGS)

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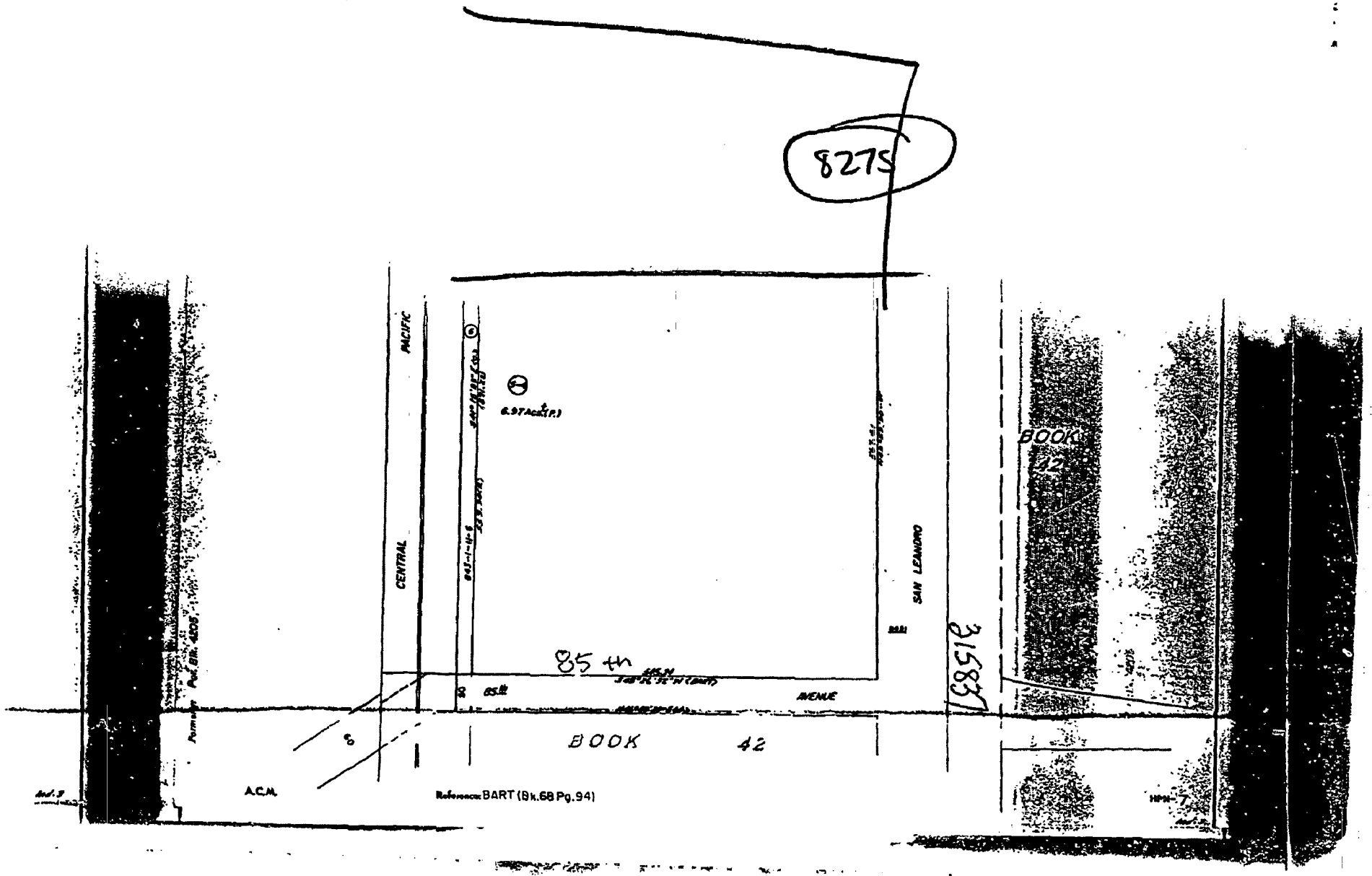
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


8275
PACIFIC
CENTRAL
SAN LEANDRO
85th
AVENUE
BOOK
42
A.C.M.
Reference: BART (Bk.68 Pg.94)

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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