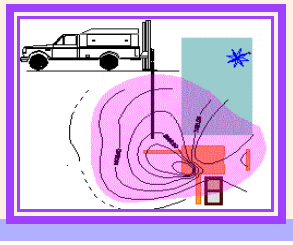
Franklin J. Goldman, CHG.
Environmental and Hydrogeological Consulting
PO BOX 59, Sonoma, CA 95476
Phone: (707) 758-6674
fjgoldmanchg@yahoo.com



RECEIVED
12:47 pm, May 15, 2007
Alameda County
Environmental Health

May 09, 2007

Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-9335

Telephone: (510) 567-6791
FAX: (510) 337-9335

SUBJECT: **INTERIM TECHNICAL REPORT ON OFFSITE SUBSURFACE HYDROGEOLOGIC INVESTIGATION AND INITIAL GROUNDWATER MONITORING OF HYDROCARBONS** @ 1001 77th Avenue, Oakland, CA 94621 **- Case RO2905**

Dear Mr. Wickham:

Enclosed are the details of the subsurface hydrogeologic investigation completed as required in the Alameda County approved field investigation workplan dated June 27, 2006.

Four (4) groundwater monitor wells were installed at the intersection of Spencer Street and 77th Avenue in Oakland. The purpose of this investigation was to determine the extent of migration of dissolved contaminants such as benzene and other fuel related chemicals. Benzene is the main indicator chemical of concern due to its relative threat to human health.

Sincerely,

Franklin J. Goldman

REGISTERED GEOLOGIST
FRANKLIN J. GOLDMAN
CERTIFIED HYDROGEOLOGIST
NO. 466
STATE OF CALIFORNIA

Franklin J. Goldman
Certified Hydrogeologist No. 466

SUBSURFACE INVESTIGATION ACTIVITIES

SITE LOCATION AND DESCRIPTION

The offsite investigation area is located, on a City of Oakland public street, in a mixed commercial and residential zone. The potential underground storage tank (UST) source is located in front of a one story building on the northeast corner of Spencer Street and 77th Avenue in Oakland. The potential UST may have been removed prior to the date that USTs were regulated by the State of California. The one story building covers most of the property and appears to have been abandoned for many years. The area around the former UST excavation is covered by asphalt and most of the surface drainage likely flows to the storm drain inlet located at the corner of the property at Spencer and 77th.

EXECUTIVE SUMMARY

Installation of groundwater monitor wells was been completed as required in the July 10, 2006 correspondence letter from Alameda County Environmental Health (ACEH) which approved the June 26, 2006 Workplan for Offsite Investigation technical report. In addition to the work approved by Alameda County (i.e. installation of three groundwater monitor wells), the County required an additional soil boring to be placed adjacent to the former UST location area. During placement of the soil boring, as well as the other three monitor wells, on February 16, 2007, gasoline in groundwater was identified. The presence of this contamination necessitated that this soil boring be converted to a fourth (4th) groundwater monitor well. The field investigation was completed on February 16, 2007.

After the certified land survey of the four (4) groundwater monitor well locations and elevations was recently completed, the groundwater gradient flow direction was verified. The groundwater gradient flow direction was determined to be to the east (See Figure 1 for groundwater gradient flow map), in the direction away from San Francisco Bay. Originally, the technical report by Stellar, November 2005, determined that the groundwater gradient flow direction would likely be to the west towards San Francisco Bay. Although, the Investigation Workplan (Goldman, June 27, 2006) speculated that the gradient was most likely to the east (i.e. as has now been demonstrated by this most recent field investigation), based upon past depths to water in soil borings by Stellar, the County approved the well installation location scenario based upon the gradient flowing to the west.

As result of this assumption, the monitor well locations for MW-1 and MW-2 were placed in Spencer Street as down gradient wells. These two wells are now serving as upgradient wells instead. Since groundwater monitor well MW-4 is now located onsite, two more groundwater monitor wells will have to be placed down gradient at the east end of the property and/or to the east of the property in 77th Avenue.

On March 21, 2007, the groundwater monitor wells were sampled for gasoline related constituents in groundwater. Additional water samples were collected to be run for various inorganic constituents to be used in the future to establish background groundwater quality and the existence of natural attenuation (i.e. the likelihood of gasoline in the subsurface decreasing in concentration by natural processes). These lab results will be submitted in a final subsurface investigation report.

After the laboratory results were received from the laboratory, and evaluated, it was discovered that the concentrations of 2,200 ppb and 2,000 ppb for water samples collected from MW-1 and MW-2 (See Figure 2 for map distribution of contamination in soil and groundwater), respectively, were not gasoline ranged organics, but trichloroethylene (TCE). TCE was inadvertently identified by the laboratory through their evaluation of the gas chromatographic peaks established for gasoline ranged organics (GROs) in water samples (See Attachment E for Laboratory Data Sheets for Water Sampling Analyses).

In the "Special Notes [1]" section of the American Analytics laboratory data sheets for MW-1 (2,200 ppb TCE) and for MW-2 (2,000 ppb TCE), it states that the "reported concentration is from the contribution of Trichloroethylene."

TCE is often used to clean grease and oil off of metal parts. It appears that this TCE has come from upgradient of the subject site. The fact that there are residences upgradient of the site, makes identification of the source more problematic. Residences don't typically utilize chlorinated solvents, however, it is common for those who do auto repair in their own backyard.

Some possible scenarios that could indicate a nearby source of chlorinated solvents are as follows:

1) **residents were using chlorinated solvents (not likely)**
2) **industrial or cleaning operations further to the west of the site (very likely)**
3) **solvents may have migrated through a sewer or other underground utility lines from a neighboring site (likely)**
4) **solvents may have migrated through a sewer or other underground utility line from the subject site up gradient from the site to the upgradient monitor wells (possible, but not likely). Note: No chlorinated solvents were identified by lab testing for soil and water samples collected from onsite monitor well/soil boring MW-4. Solvent migration from the site would have to completely bypass MW-4 through a unique man-made conduit preferential pathway that does not appear to exist, based upon initial visual observations made at the site to date.**

The July 10, 2006 Alameda County correspondence required that the final investigation technical report include the following:

1) **½ mile radius water supply well search (e.g. determine if any drinking water supply wells could become contaminated by past operation on site)**
2) **Define all underground private and public utility lines in the vicinity of the site (e.g. determine if the trench backfill soil in which sewer, storm water, water, and electrical lines placed could provide a conduit for the spread of the contamination at the site)**
3) **Identify all nearby sensitive receptors (e.g. determine if receptors such as streams, lakes, and schools could be adversely impacted by the gasoline at the site.**

Since this technical report is not a "final investigation report; " only an interim technical report, it would be more prudent to address the tracing of conduits, and identification of sensitive receptors, after the plume of hydrocarbons has been more comprehensively characterized and the source of the solvents has been narrowed down to a reasonable list of potential sites which may have discharged chlorinated solvents. An initial distribution of public sewer and storm drain lines is provided as a basis for the tracing of underground conduits onsite and offsite (See Figure 3 for map nearby public sewer and storm drain lines in the street).

A City of Oakland sewer and storm drain map was obtained and incorporated into an area wide map to determine if these underground utilities could serve as a conduit for the migration of solvents from nearby sites. A more detailed evaluation of onsite and offsite underground utilities in, and around, the immediate vicinity of the subject site will be performed after additional subsurface investigation activities are completed. It is premature to utilize a detailed distribution of all underground utilities as a guide for further site characterization. At this stage of the investigation, the extent of gasoline and solvent constituents in the subsurface must first be defined based upon a general understanding of the groundwater gradient flow direction as has been identified during this initial phase of subsurface investigation and groundwater monitoring.

To date, water supply wells have been identified in the immediate vicinity of the site, however, their locations have not been verified in the field. The ½ mile radius search

will be completed contingent upon what is necessary to complete the goals of the project. Assuming that gasoline constituents are the only chemical of concern that are attributable to the subject site, a ½ mile radius search would not be necessary.

For instance, if the site has only the limited extent of gasoline as identified in MW-4, there is no need to plot wells that are over a quarter mile away. No gasoline plume, including MTBE, migrates more than a few hundred feet, especially in a Bay mud hydrostratigraphic environment. If chlorinated solvents were found to have emanated from the subject site, then a ½ mile radius search might be warranted depending upon a fate and transport evaluation of the migration of the dissolved solvent.

Some wells were identified through evaluation of well completion reports obtained from the department of water resources in Sacramento (See Figure 4 for limited ½ mile radius water supply well search) & (See Appendix A for DWR well completion reports). Well completion reports were requested from the Alameda County Public Works Agency, however, no response was ever received. The well search revealed that two environmental investigations were likely to have been performed upgradient of the site. In addition, the only water supply well found upgradient of the site, to date, is a very deep industrial water supply well. The only down gradient wells identified were cathodic protection wells. Since no water supply wells have been identified down gradient of the site, it may indicate that the beneficial uses of groundwater may be limited in the vicinity of the site.

The last requirement by ACEH to identify nearby sensitive receptors, which included, but was not limited to, lakes, streams, and schools, will be better assessed and evaluated after the estimated down gradient extent of the contaminant plume(s) has/have been better defined.

CHANGES TO THE APPROVED WORKPLAN

Groundwater monitor well MW-1 had to be moved across the street to the west of what was proposed in the workplan due to extensive and repeated underground obstructions. The proposed soil boring BH-8 was moved closer to the former UST excavation at the request of ACEH staff. BH-8 also had to be moved from its original proposed location. Its location ended up being placed very close to the former UST excavation. Due to the presence of obvious hydrocarbon contamination in soil and groundwater encountered in BH-8, it was converted to a 4th groundwater monitor well to obtain reference data and to identify the greatest likely threat to nearby receptors.

WORK ACTIVITIES COMPLETED

Encroachment and Obstruction Permits were obtained by the City of Oakland Community and Economic Development Agency and a well construction permit was obtained from the Alameda County Public Works Agency prior to drilling.

The four (4) groundwater monitoring well locations were marked at the site in white paint prior to the commencement of drilling excavation activities for Underground Service Alert. Each soil boring location was hand augered to a depth of at least five (5) feet bgs prior to excavation to avoid causing damage to underground piping and utility lines. The soil borings were excavated to depths between 13 and 21 ½ feet with a hollow stem auger drill rig (See Figures 5, 6, 7, & 8 for soil boring logs).

SOIL SAMPLING PROCEDURES FOR GROUNDWATER MONITORING WELL EXCAVATIONS

On February 16, 2007, four (4) monitor well soil borings were excavated by a C-57 drilling licensed drilling contractor. All borehole logging was performed by a qualified field geologist who kept a detailed hydrostratigraphic log of each borehole, noting lithologic changes, hydrogeological characteristics, sample locations, and well construction. Soil sampling was performed, where appropriate, in order of identify significant changes in soil hydrostratigraphy and to provide a sufficient representation of the distribution of contaminants in the subsurface. Soil samples were collected from a general minimum average distribution of (5) foot vertical intervals as well as from

other depths as determined according to the feedback provided by the soil stratigraphy and hydrogeologic characteristics encountered. Soils encountered during drilling were predominantly clays with minor amounts of silt, sand, and gravel.

The soil samples were collected with a two (2) inch inner diameter, three (3) foot long, split spoon sampler fitted with 6 inch long, 2 inch diameter, brass sleeve insertions, focusing on depth locations where hydrocarbon contaminants were suspected. The soil samples were obtained by the compressive force of a 140 lb hammer dropped from a height of 18 inches. The soil samples were extruded into six (6)-inch long steel sample liners. Soil samples were chosen for lab analyses based upon obvious olfactory and visual evidence of contamination, by photoionization detector (PID) screening, and/or at significant changes in hydrostratigraphic horizons.

Each soil sample was collected and covered at each end of the metal cylinder with teflon sheets, and sealed with plastic end caps. The soil samples were labeled with a non-toxic ink field marker as to the depth and location the sample was collected, the sample number, and the project name and inserted into a plastic Zip-Lock bag and then placed into an ice chest for transport back to the laboratory. The chain-of-custody was designated in a similar manner and included with the date and time the sample was collected as well as the depth interval. Soil samples were analyzed for Gasoline Ranged Organics (GRO) and BTEX (See Attachment A for Laboratory Data Sheets for Soil Sampling Analyses) & (See Figure 2 for map distribution of contamination in soil).

The sampler was decontaminated before and after each use by rinsing with an Alconox solution wash and fresh tap water rinse. All rinseate water, purge water, and soil waste was stored in 55 gallon DOT approved drums. The drums will be stored onsite until authorization for transport to legal point of disposal is made.

WELL CONSTRUCTION

On February 16, 2007, the four (4) groundwater wells were constructed with a 0.01 inch PVC schedule 40 slotted casing and schedule 40, 2 inch diameter PVC blank casing. No. 212 silica sand pack was placed in the annular space between the screened casing and the open borehole to one foot above the top of the screen. The small sized slotted screen (e.g. 0.01 inch slots) has not prevented high turbidity in water samples collected from the monitor wells after development and purging.

A two foot thick bentonite seal was placed on top of the sand pack in the annular space. A Type II cement bentonite grout was tremmied from the bottom up to within approximately one foot from the top of the surface cover. A continuous concrete pour was placed on top of the grout to the surface where it was finished with a 3 inch high concrete apron or flush concrete finish around a well box and locking well cap (See Figures 5, 6, 7, & 8 for soil boring logs with individual well construction details) & (See Figure 9 for Generalized Well Construction Detail). MW-3 was excavated to 21 ½ feet bgs and chipped up with hydrated bentonite chips from 21 ½ feet bgs to 14 feet bgs so that the well could be constructed in the shallow groundwater zone as intended in the approved workplan. No deeper groundwater zone was identified from 14 to 21 ½ feet bgs.

WELL DEVELOPMENT AND PURGING PROCEDURES

On March 02, 2007 (more than 48 hours after installation), the four (4) new wells were developed by Blaine Technical Services, after installation to remove fine grained soil residue and well construction materials from the well casing and screen (See Attachment B for Blaine Technical Services Well Development logs).

On March 21, 2007, the wells were redeveloped again to remove fines due to high turbidity. Well development was performed with the use of a surge block and a steel check valve bailor. Wells were then purged and sampled after development after water levels had stabilized.

Prior to purging, the depth to groundwater was measured to use as a reference elevation. Purging of the wells was performed by the use of dedicated 1½ inch

diameter plastic disposable check valve bailors for each separate well. Each well was sampled after well purging which entailed the removal of more than three (3) well volumes of groundwater from each well, allowing the water level to recover to at least 80% of the original, static water level. Temperature, electrical conductivity, pH and turbidity were monitored during the bailing process with a Horiba U10, so that the parameters demonstrated an error difference of within 10% from one another, over at least three consecutive readings for each well was accomplished (See Attachment C for Well Purging Logs). The recorded data was used to verify that a sufficient volume of groundwater had been removed from each well casing so that anomalies caused by remnant well casing storage would not preclude us from obtaining a groundwater sample which would be more representative of the aquifer contaminant distribution as a whole. Well purge water was placed in properly labeled 55 gallon drums which were left on-site to be transported to a legal point of disposal.

WATER DEPTH MEASUREMENT RELATIVE TO A CERTIFIED LAND SURVEY

On March 21, 2007, a water level meter was used to measure the depth to groundwater in the groundwater monitoring wells. The measurements were read to the nearest 100th of an inch from the top of casing.

On April 11, 2007, a state certified land survey was conducted for the top-of-casing elevations and locations for the four wells (See Attachment D for Certified Land Survey).

Depth to groundwater was measured after stabilization of water levels. Top-of casing elevations relative to the depth to groundwater establishes the groundwater gradient flow direction during at the time measurements are made in the field.

GROUNDWATER SAMPLING FROM WELLS

On March 21, 2007, water samples were collected by lowering dedicated plastic disposable check valve bailors down the center of each well casing. Water samples were contained in 40-milliliter VOA vials for TPH-g, BTEX, oxygenates, and lead scavenger analyses by draining the bailer from the bottom with a specifically fitted drain tube to minimize volatilization. The VOAs were carefully checked for air bubbles prior to acceptance and labeling on the chain-of-custody. EPA Method 8260b for 5 oxygenates and two lead scavengers were used to confirm the presence of MTBE and other gasoline related constituents. Water samples were also analyzed for diesel, and motor oil ranged organics which were contained and laboratory provided one liter amber bottles (See Attachment E for Laboratory Data Sheets for Water Sampling Analyses). Evaluation of the carbon chain laboratory analyses did not reveal any significant levels of diesel or motor oil ranged organics which are typically associated with longer carbon chains. It suggests that only gasoline related constituents should be of concern regarding this subsurface investigation.

The samples were labeled and stored on ice until delivered, under chain-of-custody procedures, to a State-certified analytical laboratory.

EVALUATION OF LABORATORY TESTING RESULTS

High levels of chlorinated solvents were identified in up gradient wells. Benzene was identified in groundwater (50 ppb) and in soil (1.3 ppm) in MW-4. Data collected to date indicates that gasoline contamination is very localized and likely isolated around MW-4.

RECOMMENDATIONS

Install two (2) additional groundwater monitoring wells, in the estimated down gradient direction, according to the Alameda County approved field investigation workplan dated June 27, 2006 (See Figure 10 for proposed monitor well locations). In addition, the supply well, utility line and sensitive receptor surveys will be completed based upon interpretation of new field data. Also, the new groundwater monitor wells will be surveyed relative to pertinent site features and potential utility line pathways. Finally, a review of nearby sites that could have contributed the chlorinated solvents to the investigation area will also be performed.

LIMITATIONS

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analyses, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change. The conclusions presented in this report are professional opinions based solely upon visual observations made within individual soil excavations and of the site and vicinity as well as on interpretations of available information as designated in this report. Franklin J. Goldman, maintains that the limited scope of services performed in the execution of this investigation may not be sufficient to satisfy the needs, and/or requirements of all regulatory agencies or other users. Any use or reuse of this document, its findings, its conclusions and/or recommendations presented herein, is done so at the sole risk of the said user.

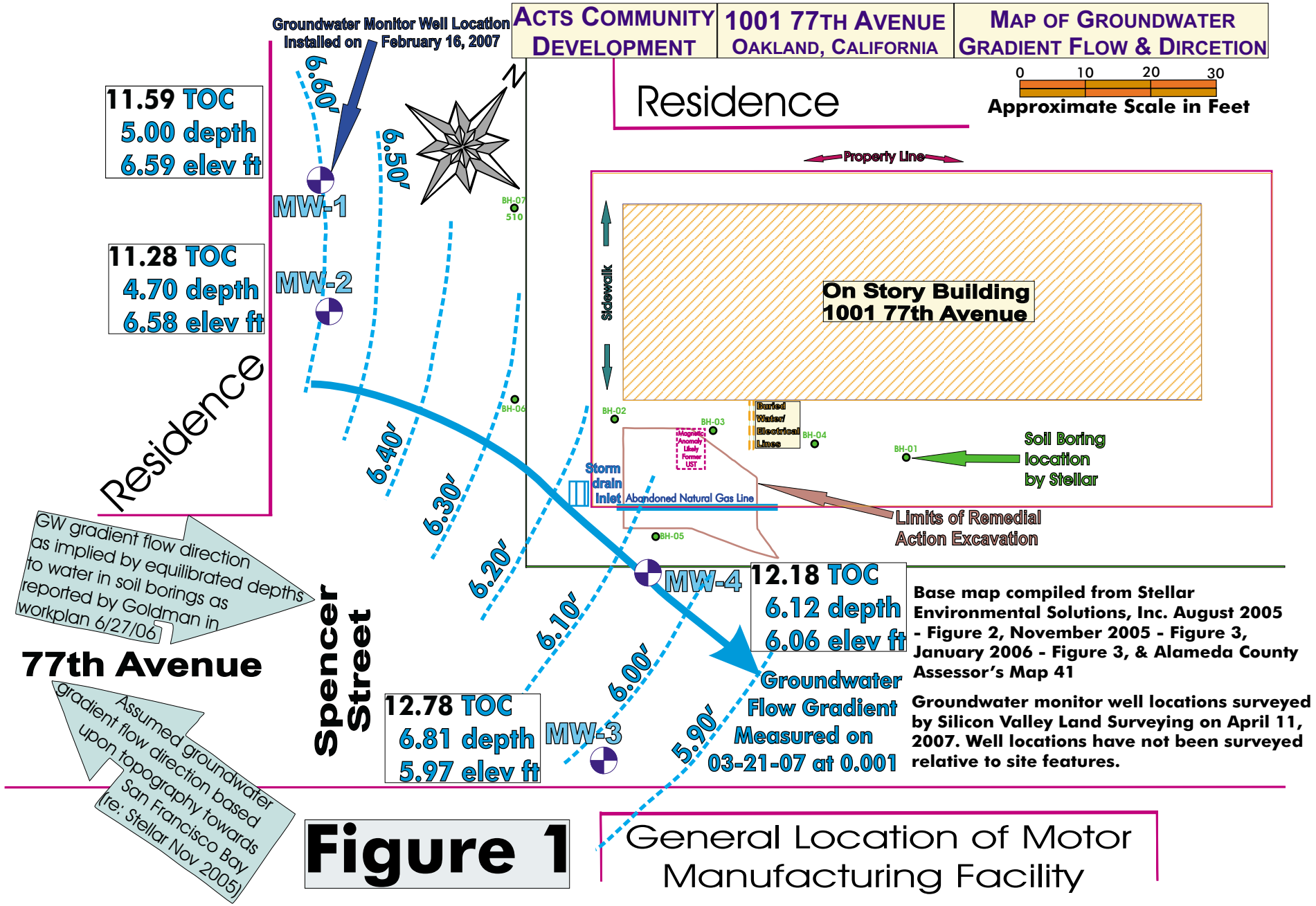


Figure 1

General Location of Motor Manufacturing Facility

MW-1 Soil Samples	PPM	Depth (ft)
Gasoline (GRO)	<0.5	8.5' to 9'
Benzene	<0.002	
MTBE	<0.02	
Gasoline (GRO)	<0.5	12.5' to 13'
Benzene	<0.002	
MTBE	<0.02	

MW-1 Water Sample (ppb)	
Sample Collected 3/21/07	
Gasoline (GRO)	<100
Benzene	<0.5
MTBE	<2.0
Trichloroethylene	2,200

MW-2 Water Sample (ppb)	
Sample Collected 3/21/07	
Gasoline (GRO)	<100
Benzene	<0.5
MTBE	<2.0
Trichloroethylene	2,000

MW-2 Soil Samples	PPM	Depth (ft)
Gasoline (GRO)	<0.5	8.5' to 9'
Benzene	<0.002	
MTBE	<0.02	
Gasoline (GRO)	<0.5	12.5' to 13'
Benzene	<0.002	
MTBE	<0.02	

Groundwater Monitor Well Location Installed on February 16, 2007

MW-1

MW-2

Spencer Street

Residence

77th Avenue

ACTS COMMUNITY DEVELOPMENT | 1001 77TH AVENUE OAKLAND, CALIFORNIA | MAP OF GROUNDWATER GASOLINE & SOLVENTS

Residence

0 10 20 30

Approximate Scale in Feet

Property Line

Sidewalk

On Story Building
1001 77th Avenue

BH-07
510

BH-06

BH-02

BH-03

BH-04

BH-01

BH-05

Magnetic Anomaly Likely Former UST

Buried Water/ Electrical Lines

Storm drain Inlet

Abandoned Natural Gas Line

Soil Boring location by Stellar

Limits of Remedial Action Excavation

MW-4

MW-4 Water Sample (ppb)	
Sample Collected 3/21/07	
Gasoline (GRO)	27,000
Benzene	50
MTBE	3.3
Trichloroethylene	<100

MW-4 Soil Samples	PPM	Depth (ft)
Gasoline (GRO)	<0.5	4.5' to 5'
Benzene	<0.002	
MTBE	<0.02	
Gasoline (GRO)	370	8.5' to 9'
Benzene	1.3	
MTBE	2.8	
Gasoline (GRO)	<0.5	14' to 14.5'
Benzene	<0.002	
MTBE	<0.02	

Base map compiled from Stellar Environmental Solutions, Inc. August 2005 - Figure 2, November 2005 - Figure 3, January 2006 - Figure 3, & Alameda County Assessor's Map 41

Groundwater monitor well locations surveyed by Silicon Valley Land Surveying on April 11, 2007. Well locations have not been surveyed relative to site features.

MW-3

Figure 2

MW-3 Water Sample (ppb)	
Sample Collected 3/21/07	
Gasoline (GRO)	<100
Benzene	<0.5
MTBE	<2.0
Trichloroethylene	<100

MW-3 Soil Samples	PPM	Depth (ft)
Gasoline (GRO)	<0.5	10.5' to 11'
Benzene	<0.002	
MTBE	<0.02	
Gasoline (GRO)	<0.5	15.5' to 16'
Benzene	<0.002	
MTBE	<0.02	
Gasoline (GRO)	<0.5	20.5' to 21'
Benzene	<0.002	
MTBE	<0.02	

General Location of Motor Manufacturing Facility

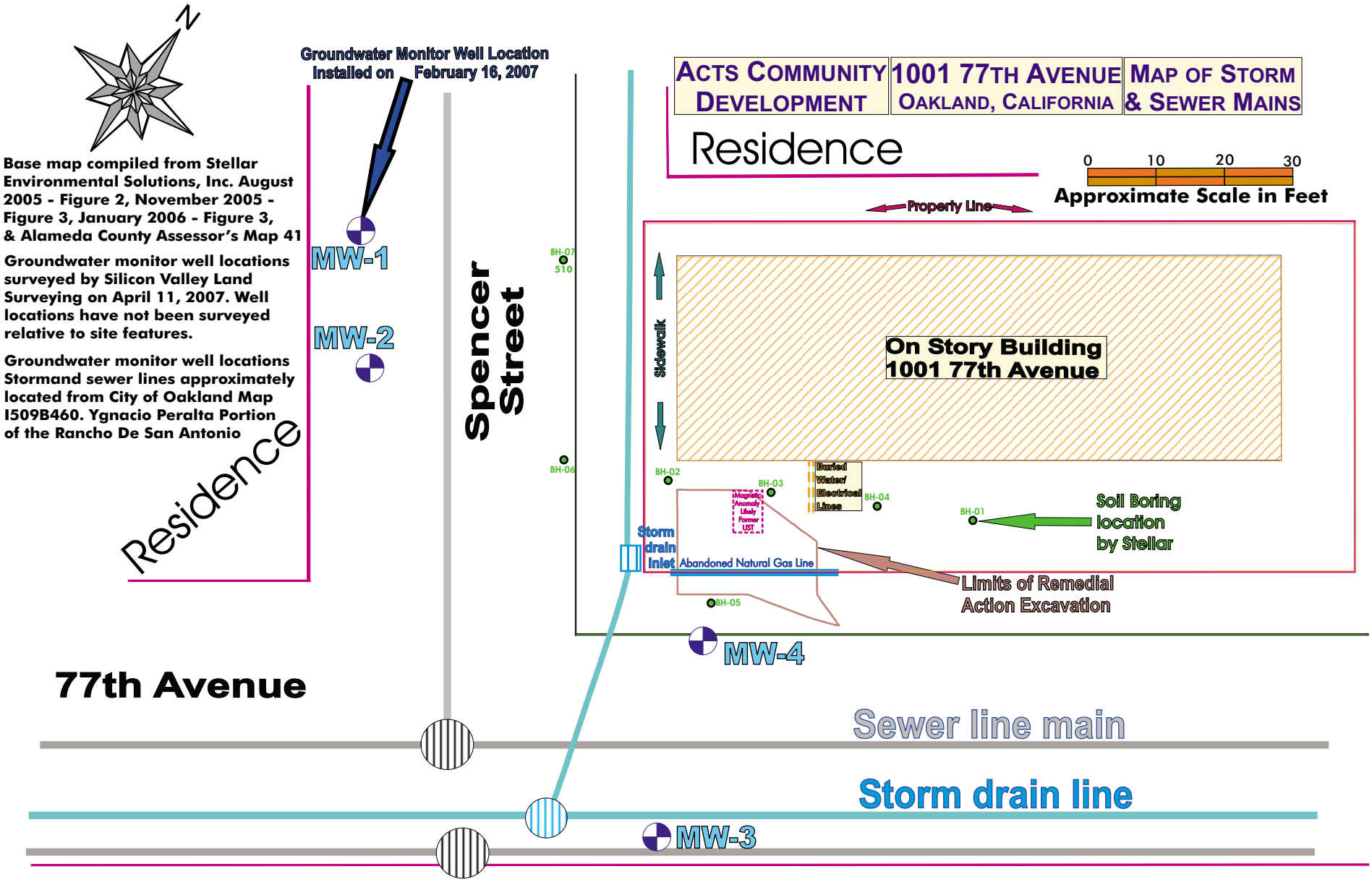
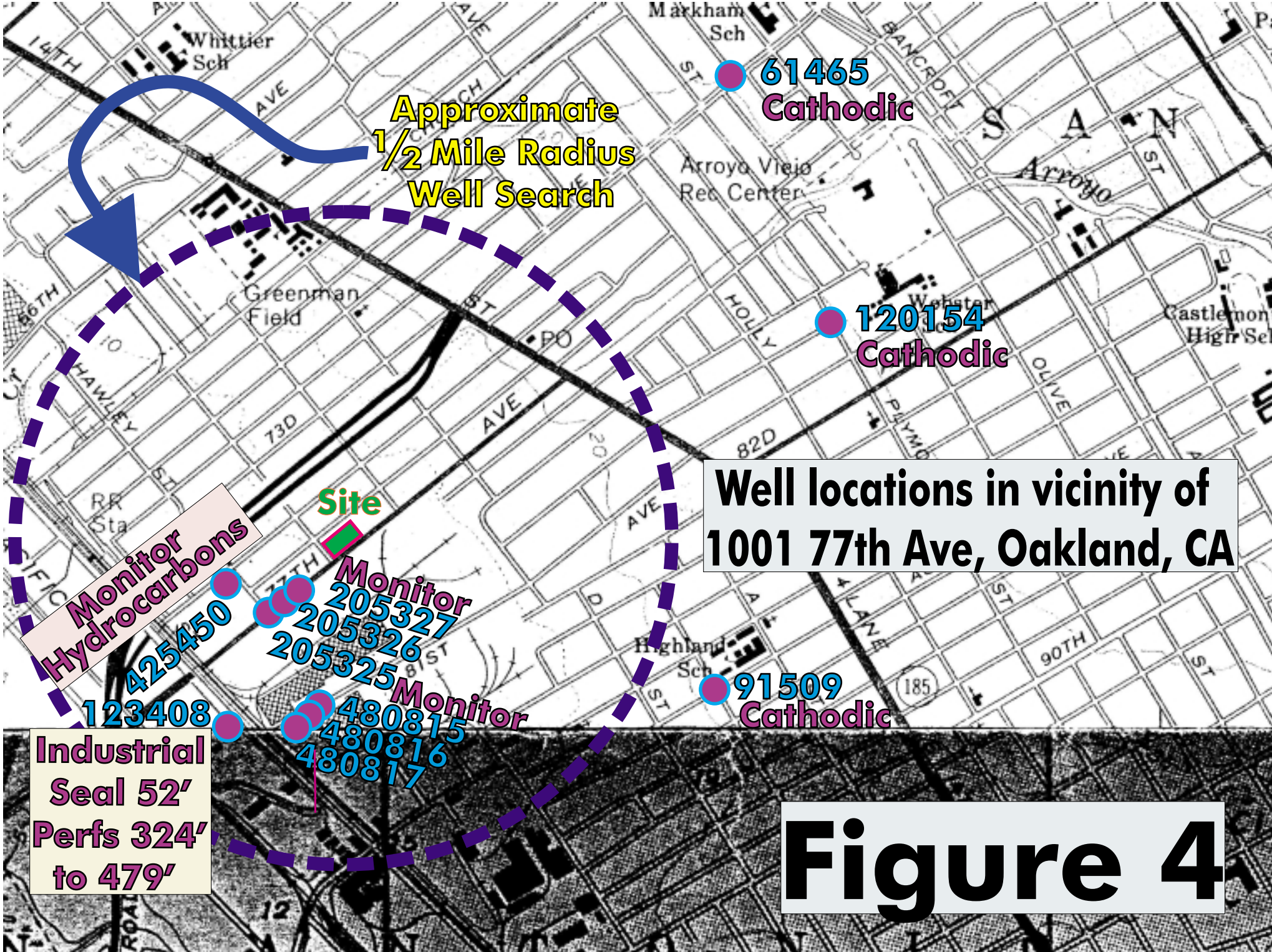


Figure 3

General Location of Motor Manufacturing Facility


Approximate
1/2 Mile Radius
Well Search
61465
Cathodic
120154
Cathodic
91509
Cathodic
Site
Monitor
205327
205326
205325
Monitor
480815
480816
480817
Monitor
Hydrocarbons
425450
123408
Industrial
Seal 52'
Perfs 324'
to 479'
Well locations in vicinity of
1001 77th Ave, Oakland, CA
Figure 4

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER: Approx. 8.5 ft bgs	BORING DIAMETER: 8 inches	DRILLING METHOD: HSA

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Asphalt surface cover 2 inches thick						
Clayey gravel, red brown, medium dense, coarse, moist No odor			1–5			GC
Sandy Clay, dark grey brown, soft, very moist, no odor No soil sample recovery at 5 or 8 feet bgs No odor			6–7			SC
Clayey sand with gravel, dark green, medium dense, coarse, wet No odor		Groundwater first encountered @ 8:35 am 02-16-07	8–10	GW		GC\ SM
	8:40 am 0 ppm PID					
Silty clay, olive to medium brown, stiff, moist; No odor			12–20			CH
	8:55 am 0 ppm PID					
	9:05 am 0 ppm PID		21			

End soil boring at 21.5 ft bgs

Figure 5

BORING/Well NO. MW-3
DATE: February 16, 2007

Acts Community Development
1001 77th . Avenue, Oakland, CA

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER: Approx. 7.5 ft bgs	BORING DIAMETER: 8 inches	DRILLING METHOD: HSA

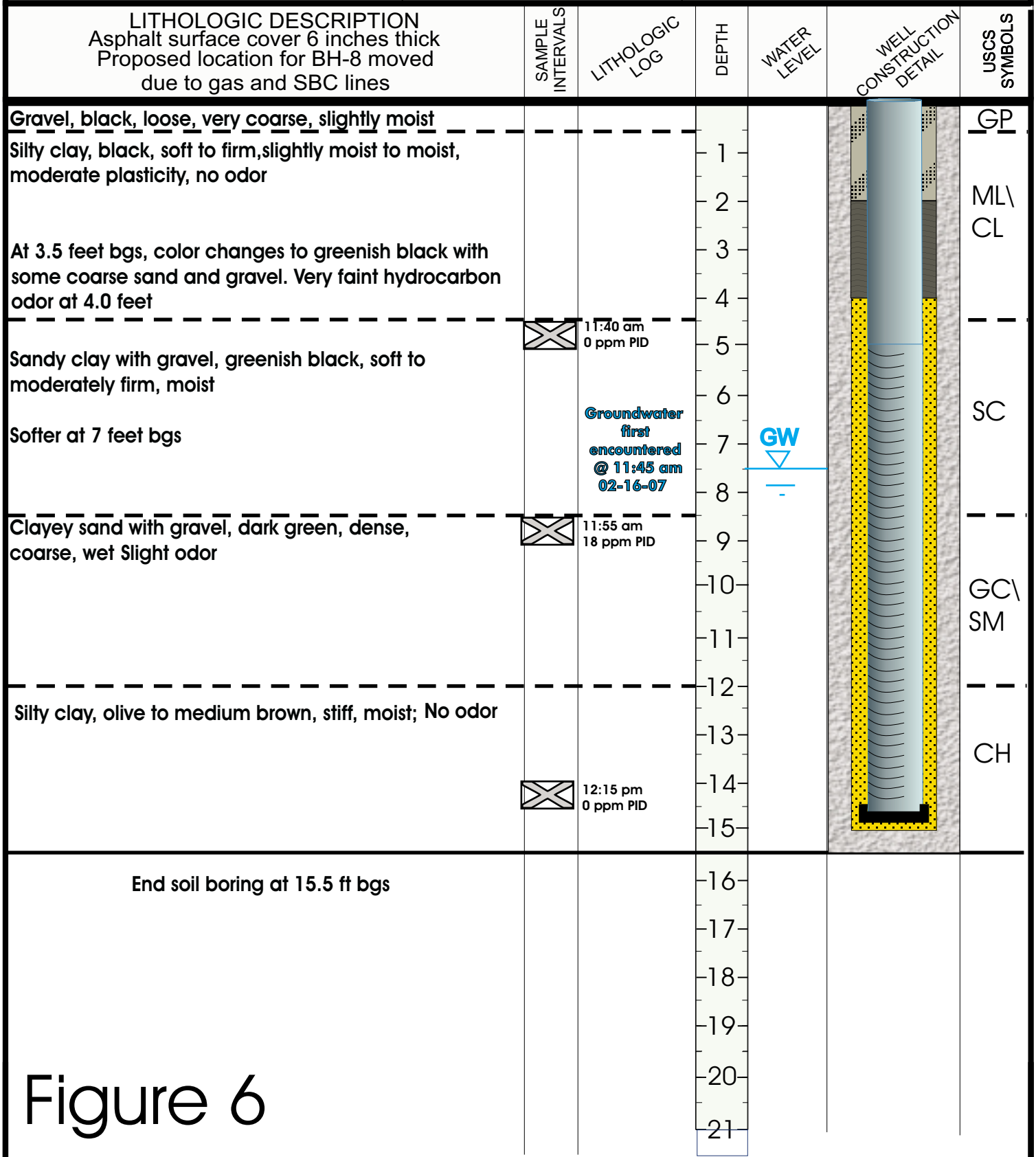


Figure 6

BORING/Well NO. MW-4 DATE: February 16, 2007	Acts Community Development 1001 77th , Avenue, Oakland, CA

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER: Approx. 6 ft bgs	BORING DIAMETER: 8 inches	DRILLING METHOD: HSA

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Asphalt surface cover 4 inches thick Proposed location moved across the street to the west due to underground lines						
Clayey gravel with sand, red brown, loose to medium dense, coarse, moist			1			GP
Silty clay, greenish black, soft to firm, moist, no odor			2 3 4			ML\ CL
Sandy clay, greenish black, soft to firm, moist		Groundwater first encountered @ 3:10 pm 02-16-07	5 6 7	GW		SC
Clayey sand with gravel, dark green, dense, coarse, wet		3:20 pm 0 ppm PID	8 9 10 11			GC\ SM
Silty clay, olive to medium brown, stiff, moist; No odor		4:00 pm 0 ppm PID	12 13			CH
End soil boring at 13.2 ft bgs			14 15 16 17 18 19 20 21			

Figure 7

BORING/Well NO. MW-1
DATE: February 16, 2007

Acts Community Development
1001 77th , Avenue, Oakland, CA

EXPLORATORY BORING LOG

DRILL COMPANY: Clearheart	SURFACE ELEVATION:	LOGGED BY: Frank Goldman
DEPTH TO GROUNDWATER: Approx. 6 ft bgs	BORING DIAMETER: 8 inches	DRILLING METHOD: HSA

LITHOLOGIC DESCRIPTION	SAMPLE INTERVALS	LITHOLOGIC LOG	DEPTH	WATER LEVEL	WELL CONSTRUCTION DETAIL	USCS SYMBOLS
Asphalt surface cover 4 inches thick						
Clayey gravel with sand, red brown, loose to medium dense, coarse, moist			1			GP
Silty clay, greenish black, soft to firm, moist, no odor			2 3 4			ML\ CL
Sandy clay, greenish black, soft to firm, moist		Groundwater first encountered @ 5:10 pm 02-16-07	5 6 7	GW		SC
Clayey sand with gravel, dark green, dense, coarse, wet		5:15 pm 0 ppm PID	8 9 10 11			GC\ SM
Silty clay, olive to medium brown, stiff, moist; No odor		5:45 pm 0 ppm PID	12 13			CH
End soil boring at 13.0 ft bgs			14 15 16 17 18 19 20 21			

Figure 8

BORING/Well NO. MW-2
DATE: February 16, 2007

Acts Community Development
1001 77th , Avenue, Oakland, CA

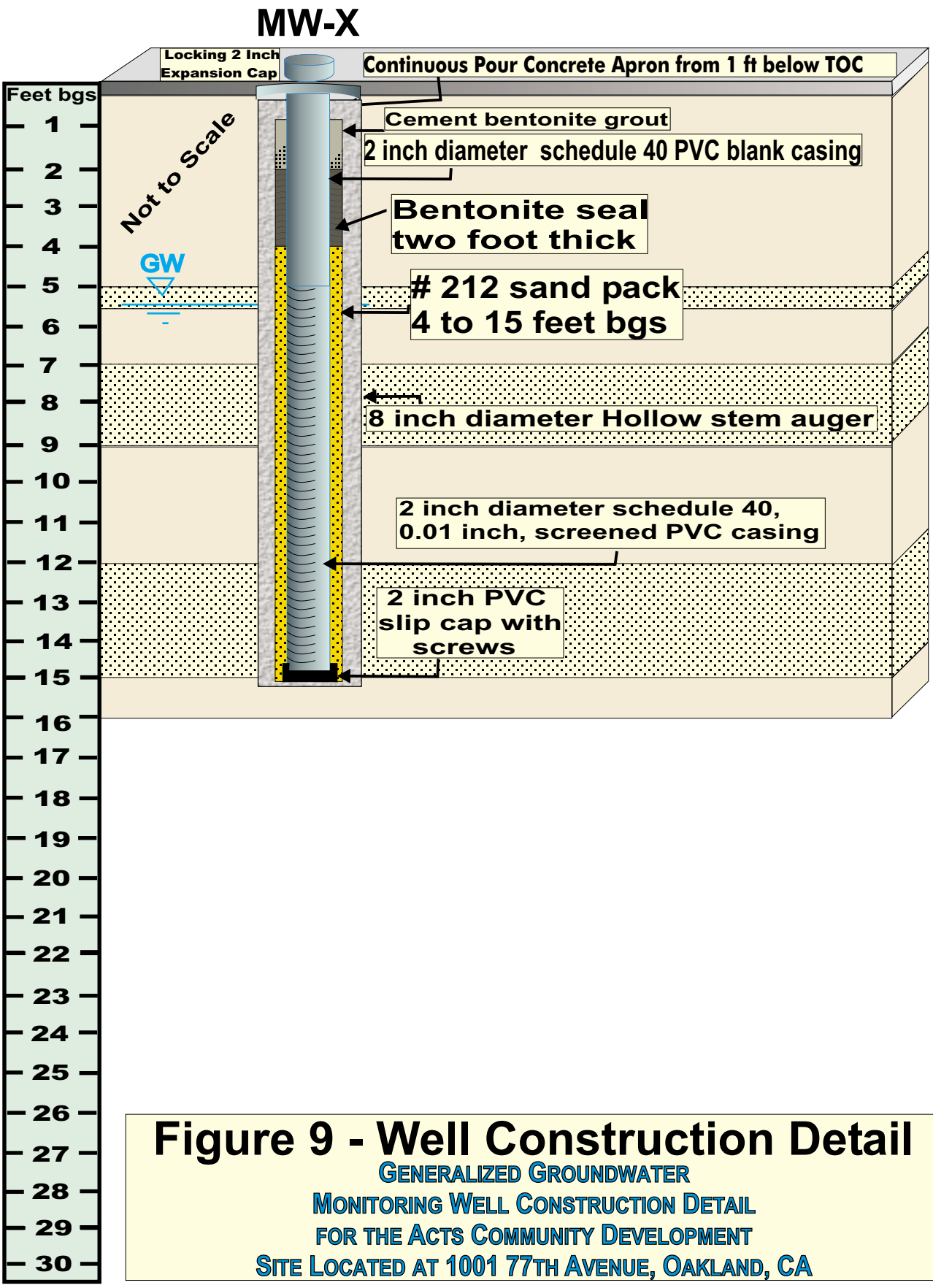
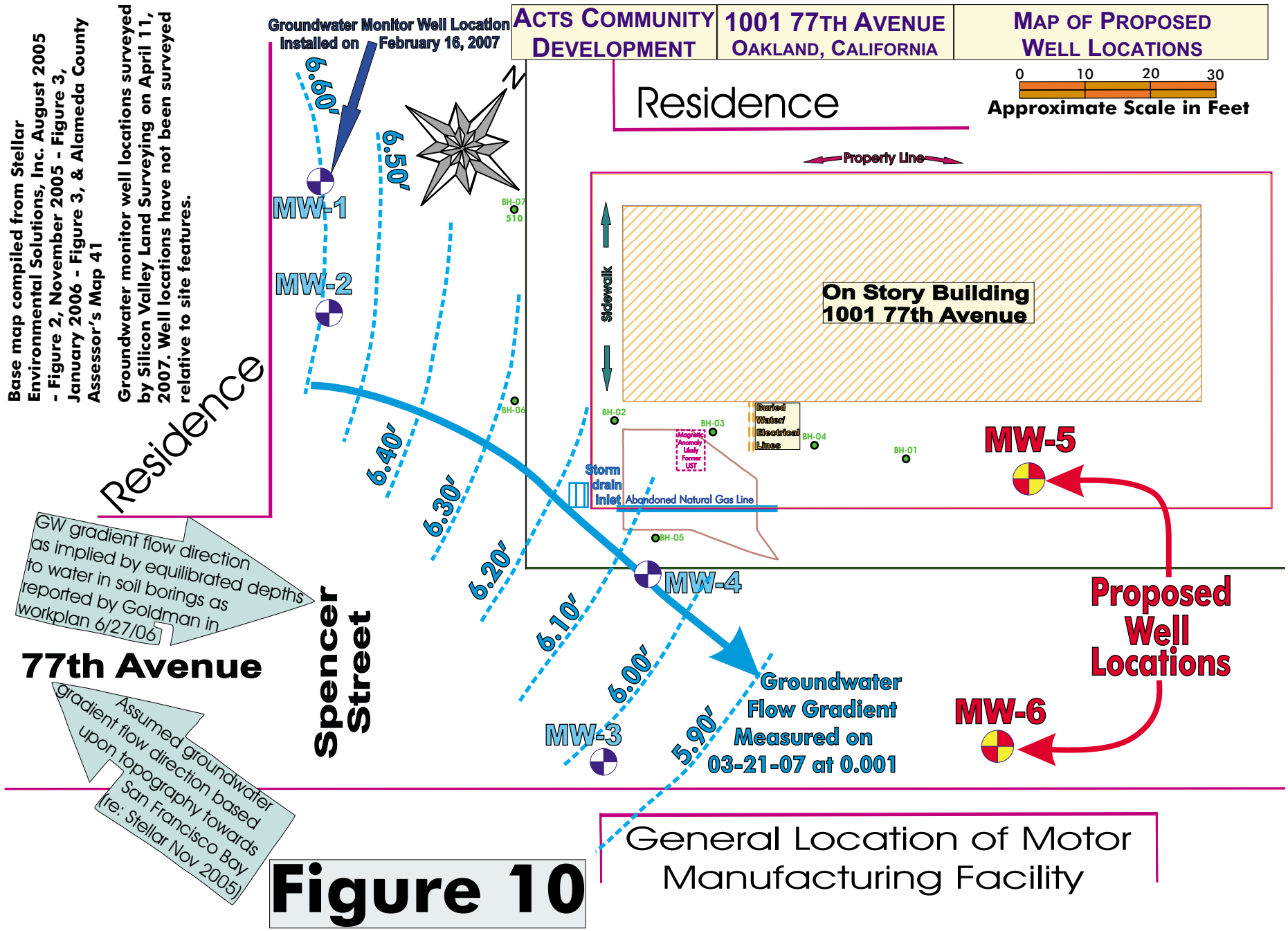


Figure 9 - Well Construction Detail

GENERALIZED GROUNDWATER
MONITORING WELL CONSTRUCTION DETAIL
FOR THE ACTS COMMUNITY DEVELOPMENT
SITE LOCATED AT 1001 77TH AVENUE, OAKLAND, CA


ACTS COMMUNITY DEVELOPMENT
1001 77TH AVENUE OAKLAND, CALIFORNIA
MAP OF PROPOSED WELL LOCATIONS
Base map compiled from Stellar Environmental Solutions, Inc. August 2005 - Figure 2, November 2005 - Figure 3, January 2006 - Figure 3, & Alameda County Assessor's Map 41
Groundwater monitor well locations surveyed by Silicon Valley Land Surveying on April 11, 2007. Well locations have not been surveyed relative to site features.
Groundwater Monitor Well Location Installed on February 16, 2007
N
0 10 20 30
Approximate Scale in Feet
Residence
Property Line
Sidewalk
On Story Building 1001 77th Avenue
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
BH-01
BH-02
BH-03
BH-04
BH-05
BH-06
BH-07
510
Buried Water/ Electrical Lines
Magnetic Anomaly Likely Former UST
Storm drain Inlet
Abandoned Natural Gas Line
6.60'
6.50'
6.40'
6.30'
6.20'
6.10'
6.00'
5.90'
GW gradient flow direction as implied by equilibrated depths to water in soil borings as reported by Goldman in workplan 6/27/06
77th Avenue
Spencer Street
Assumed groundwater gradient flow direction based upon topography towards San Francisco Bay (re: Stellar Nov 2005)
Groundwater Flow Gradient Measured on 03-21-07 at 0.001
Proposed Well Locations
General Location of Motor Manufacturing Facility
Figure 10

Attachment A

Laboratory Data Sheet For Soil

AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

April 11, 2007

Rene Eschon

Acts Community Development

1034 66th Ave

Oakland, CA 94621

Re : Acts Community Development

A67801 / 7B22003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 02/23/07 12:14 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8270C PAHs					
MW-4 8.5-9	7B22003-05	Soil	10	02/16/07 11:55	02/23/07 11:29
Carbon Chain Characterization 8015M					
MW-3 10.5-11	7B22003-01	Soil	10	02/16/07 08:40	02/23/07 11:29
MW-3 15.5-16	7B22003-02	Soil	10	02/16/07 08:55	02/23/07 11:29
MW-3 20.5-21	7B22003-03	Soil	10	02/16/07 09:05	02/23/07 11:29
MW-4 4.5-5	7B22003-04	Soil	10	02/16/07 11:40	02/23/07 11:29
MW-4 8.5-9	7B22003-05	Soil	10	02/16/07 11:55	02/23/07 11:29
MW-4 14-14.5	7B22003-06	Soil	10	02/16/07 12:15	02/23/07 11:29
MW-1 8.5-9	7B22003-07	Soil	10	02/16/07 15:20	02/23/07 11:29
MW-1 12.5-13	7B22003-08	Soil	10	02/16/07 16:00	02/23/07 11:29
MW-2 8.5-9	7B22003-09	Soil	10	02/16/07 17:15	02/23/07 11:29
MW-2 12.5-13	7B22003-10	Soil	10	02/16/07 17:45	02/23/07 11:29
GRO/BTEX/MTBE 8015M/8021B					
MW-3 10.5-11	7B22003-01	Soil	10	02/16/07 08:40	02/23/07 11:29
MW-3 15.5-16	7B22003-02	Soil	10	02/16/07 08:55	02/23/07 11:29
MW-3 20.5-21	7B22003-03	Soil	10	02/16/07 09:05	02/23/07 11:29
MW-4 4.5-5	7B22003-04	Soil	10	02/16/07 11:40	02/23/07 11:29
MW-4 8.5-9	7B22003-05	Soil	10	02/16/07 11:55	02/23/07 11:29

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
MW-4 14-14.5	7B22003-06	Soil	10	02/16/07 12:15	02/23/07 11:29
MW-1 8.5-9	7B22003-07	Soil	10	02/16/07 15:20	02/23/07 11:29
MW-1 12.5-13	7B22003-08	Soil	10	02/16/07 16:00	02/23/07 11:29
MW-2 8.5-9	7B22003-09	Soil	10	02/16/07 17:15	02/23/07 11:29
MW-2 12.5-13	7B22003-10	Soil	10	02/16/07 17:45	02/23/07 11:29

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Acts Community Development	**AA Project No:**	A67801
Project No:	NA	**Date Received:**	02/23/07
Project Name:	Acts Community Development	**Date Reported:**	04/11/07
Method:	PAHs by EPA 8270C	**Units:**	ug/kg

Date Sampled:	02/16/07	
Date Prepared:	03/02/07	
Date Analyzed:	03/07/07	
AA ID No:	7B22003-05	
Client ID No:	MW-4 8.5-9	
Matrix:	Soil	
Dilution Factor:	1	MRL

8270C PAHs (EPA 8270M)

Acenaphthene	<100	100
Acenaphthylene	<100	100
Anthracene	<100	100
Benzo(a)anthracene	<100	100
Benzo(a)pyrene	<100	100
Benzo(b)fluoranthene	<100	100
Benzo(g,h,i)perylene	<100	100
Benzo(k)fluoranthene	<100	100
Chrysene	<100	100
Dibenzo(a,h)anthracene	<100	100
Fluoranthene	<100	100
Fluorene	<100	100
Indeno (1,2,3-cd) pyrene	<400	400
Naphthalene	<100	100
Phenanthrene	<100	100
Pyrene	<100	100

Surrogates		**%REC Limits**
2-Fluorobiphenyl	72.8%	43-116
Nitrobenzene-d5	63.9%	35-134
Terphenyl-dl4	93.2%	33-141

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: GROBTEXMTBE 8015M/8021B by GC

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	02/16/07	02/16/07	
Date Prepared:	03/02/07	03/02/07	03/02/07	03/02/07	
Date Analyzed:	03/02/07	03/02/07	03/02/07	03/02/07	
AA ID No:	7B22003-01	7B22003-02	7B22003-03	7B22003-04	
Client ID No:	MW-3 10.5-11	MW-3 15.5-16	MW-3 20.5-21	MW-4 4.5-5	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
GRO/BTEX/MTBE 8015M/8021B (VOCs by GC/FID/PID)					
Benzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Ethylbenzene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Gasoline Range Organics (GRO)	<0.50	<0.50	<0.50	<0.50	0.50
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	<0.020	<0.020	0.020
Toluene	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Xylenes, Total	<0.0020	<0.0020	<0.0020	<0.0020	0.0020
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	87.4%	91.1%	86.3%	88.2%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: GROBTEXMTBE 8015M/8021B by GC

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	02/16/07	02/16/07	
Date Prepared:	03/02/07	03/02/07	03/02/07	03/02/07	
Date Analyzed:	03/02/07	03/02/07	03/02/07	03/02/07	
AA ID No:	7B22003-05	7B22003-06	7B22003-07	7B22003-08	
Client ID No:	MW-4 8.5-9	MW-4 14-14.5	MW-1 8.5-9	MW-1 12.5-13	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	100	1	1	1	MRL
GRO/BTEX/MTBE 8015M/8021B (VOCs by GC/FID/PID)					
Benzene	**1.3**	<0.0020	<0.0020	<0.0020	0.0020
Ethylbenzene	**16**	<0.0020	<0.0020	<0.0020	0.0020
Gasoline Range Organics (GRO)	**370**	<0.50	<0.50	<0.50	0.50
Methyl-tert-Butyl Ether (MTBE)	**2.8**	<0.020	<0.020	<0.020	0.020
Toluene	**1.4**	<0.0020	<0.0020	<0.0020	0.0020
Xylenes, Total	**72**	<0.0020	<0.0020	<0.0020	0.0020
Surrogates					**%REC Limits**
a,a,a-Trifluorotoluene	105%	102%	100%	90.6%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: GROBTEXMTBE 8015M/8021B by GC

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	
Date Prepared:	03/02/07	03/02/07	
Date Analyzed:	03/02/07	03/02/07	
AA ID No:	7B22003-09	7B22003-10	
Client ID No:	MW-2 8.5-9	MW-2 12.5-13	
Matrix:	Soil	Soil	
Dilution Factor:	1	1	MRL
GRO/BTEX/MTBE 8015M/8021B (VOCs by GC/FID/PID)			
Benzene	<0.0020	<0.0020	0.0020
Ethylbenzene	<0.0020	<0.0020	0.0020
Gasoline Range Organics (GRO)	<0.50	<0.50	0.50
Methyl-tert-Butyl Ether (MTBE)	<0.020	<0.020	0.020
Toluene	<0.0020	<0.0020	0.0020
Xylenes, Total	<0.0020	<0.0020	0.0020
Surrogates			**%REC Limits**
a,a,a-Trifluorotoluene	88.3%	94.8%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: Carbon Chain by GC/FID

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	02/16/07	02/16/07	
Date Prepared:	02/27/07	02/27/07	02/27/07	02/27/07	
Date Analyzed:	03/03/07	03/03/07	03/03/07	03/03/07	
AA ID No:	7B22003-01	7B22003-02	7B22003-03	7B22003-04	
Client ID No:	MW-3 10.5-11	MW-3 15.5-16	MW-3 20.5-21	MW-4 4.5-5	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	125%	102%	87.0%	69.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: Carbon Chain by GC/FID

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	02/16/07	02/16/07	
Date Prepared:	02/27/07	02/27/07	02/27/07	02/27/07	
Date Analyzed:	03/03/07	03/03/07	03/03/07	03/03/07	
AA ID No:	7B22003-05	7B22003-06	7B22003-07	7B22003-08	
Client ID No:	MW-4 8.5-9	MW-4 14-14.5	MW-1 8.5-9	MW-1 12.5-13	
Matrix:	Soil	Soil	Soil	Soil	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<1.0	<1.0	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	<10	<10	10
Surrogates					**%REC Limits**
o-Terphenyl	75.0%	69.0%	73.0%	101%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: Carbon Chain by GC/FID

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07
Units: mg/kg

Date Sampled:	02/16/07	02/16/07	
Date Prepared:	02/27/07	02/27/07	
Date Analyzed:	03/03/07	03/03/07	
AA ID No:	7B22003-09	7B22003-10	
Client ID No:	MW-2 8.5-9	MW-2 12.5-13	
Matrix:	Soil	Soil	
Dilution Factor:	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)			
C6-C8	<1.0	<1.0	1.0
C8-C10	<1.0	<1.0	1.0
C10-C12	<1.0	<1.0	1.0
C12-C14	<1.0	<1.0	1.0
C14-C16	<1.0	<1.0	1.0
C16-C18	<1.0	<1.0	1.0
C18-C20	<1.0	<1.0	1.0
C20-C22	<1.0	<1.0	1.0
C22-C24	<1.0	<1.0	1.0
C24-C26	<1.0	<1.0	1.0
C26-C28	<1.0	<1.0	1.0
C28-C32	<1.0	<1.0	1.0
C32-C34	<1.0	<1.0	1.0
C34-C36	<1.0	<1.0	1.0
C36-C40	<1.0	<1.0	1.0
C40-C44	<1.0	<1.0	1.0
TPH (C6-C44)	<10	<10	10
Surrogates			**%REC Limits**
o-Terphenyl	60.0%	65.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PAHs by EPA 8270C - Quality Control										
Batch B7C0212 - EPA 3545 MS										
Blank (B7C0212-BLK1)				Prepared: 03/02/07 Analyzed: 03/06/07						
Acenaphthene	<100	100	ug/kg							
Acenaphthylene	<100	100	ug/kg							
Anthracene	<100	100	ug/kg							
Benzo(a)anthracene	<100	100	ug/kg							
Benzo(a)pyrene	<100	100	ug/kg							
Benzo(b)fluoranthene	<100	100	ug/kg							
Benzo(g,h,i)perylene	<100	100	ug/kg							
Benzo(k)fluoranthene	<100	100	ug/kg							
Chrysene	<100	100	ug/kg							
Dibenzo(a,h)anthracene	<100	100	ug/kg							
Fluoranthene	<100	100	ug/kg							
Fluorene	<100	100	ug/kg							
Indeno (1,2,3-cd) pyrene	<400	400	ug/kg							
Naphthalene	<100	100	ug/kg							
Phenanthrene	<100	100	ug/kg							
Pyrene	<100	100	ug/kg							
Surrogate: 2-Fluorobiphenyl	*770*		*ug/kg*	*1000*		*77.0*	*43-116*			
Surrogate: Nitrobenzene-d5	*773*		*ug/kg*	*1000*		*77.3*	*35-134*			
Surrogate: Terphenyl-dl4	*995*		*ug/kg*	*1000*		*99.5*	*33-141*			
LCS (B7C0212-BS1)				Prepared: 03/02/07 Analyzed: 03/06/07						
Acenaphthene	**759**	100	ug/kg	1000		75.9	50-121			
Anthracene	**795**	100	ug/kg	1000		79.5	41-121			
Benzo(a)pyrene	**1010**	100	ug/kg	1000		101	17-163			
Benzo(b)fluoranthene	**877**	100	ug/kg	1000		87.7	33-137			
Fluoranthene	**879**	100	ug/kg	1000		87.9	47-125			
Fluorene	**945**	100	ug/kg	1000		94.5	60-120			
Naphthalene	**474**	100	ug/kg	1000		47.4	25-121			
Pyrene	**954**	100	ug/kg	1000		95.4	52-115			
Surrogate: 2-Fluorobiphenyl	*903*		*ug/kg*	*1000*		*90.3*	*43-116*			
Surrogate: Nitrobenzene-d5	*709*		*ug/kg*	*1000*		*70.9*	*35-134*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PAHs by EPA 8270C - Quality Control										
Batch B7C0212 - EPA 3545 MS										
LCS (B7C0212-BS1) Continued				Prepared: 03/02/07 Analyzed: 03/06/07						
Surrogate: Terphenyl-dl4	*991*		*ug/kg*	*1000*		*99.1*	*33-141*			
Matrix Spike (B7C0212-MS1)				**Source: 7C01002-05** Prepared: 03/02/07 Analyzed: 03/06/07						
Acenaphthene	**759**	100	ug/kg	1000	<100	75.9	47-145			
Anthracene	**795**	100	ug/kg	1000	<100	79.5	27-133			
Benzo(a)pyrene	**1010**	100	ug/kg	1000	<100	101	17-163			
Benzo(b)fluoranthene	**877**	100	ug/kg	1000	<100	87.7	24-159			
Fluoranthene	**879**	100	ug/kg	1000	<100	87.9	26-137			
Fluorene	**945**	100	ug/kg	1000	<100	94.5	59-121			
Naphthalene	**474**	100	ug/kg	1000	<100	47.4	21-133			
Pyrene	**954**	100	ug/kg	1000	<100	95.4	52-115			
Surrogate: 2-Fluorobiphenyl	*903*		*ug/kg*	*1000*		*90.3*	*43-116*			
Surrogate: Nitrobenzene-d5	*709*		*ug/kg*	*1000*		*70.9*	*35-134*			
Surrogate: Terphenyl-dl4	*991*		*ug/kg*	*1000*		*99.1*	*33-141*			
Matrix Spike Dup (B7C0212-MSD1)				**Source: 7C01002-05** Prepared: 03/02/07 Analyzed: 03/07/07						
Acenaphthene	**677**	100	ug/kg	1000	<100	67.7	47-145	11.4	40	
Anthracene	**721**	100	ug/kg	1000	<100	72.1	27-133	9.76	40	
Benzo(a)pyrene	**777**	100	ug/kg	1000	<100	77.7	17-163	26.1	40	
Benzo(b)fluoranthene	**691**	100	ug/kg	1000	<100	69.1	24-159	23.7	40	
Fluoranthene	**746**	100	ug/kg	1000	<100	74.6	26-137	16.4	40	
Fluorene	**830**	100	ug/kg	1000	<100	83.0	59-121	13.0	40	
Naphthalene	**494**	100	ug/kg	1000	<100	49.4	21-133	4.13	40	
Pyrene	**827**	100	ug/kg	1000	<100	82.7	52-115	14.3	40	
Surrogate: 2-Fluorobiphenyl	*699*		*ug/kg*	*1000*		*69.9*	*43-116*			
Surrogate: Nitrobenzene-d5	*655*		*ug/kg*	*1000*		*65.5*	*35-134*			
Surrogate: Terphenyl-dl4	*861*		*ug/kg*	*1000*		*86.1*	*33-141*			
GROBTEXMTBE 8015M/8021B by GC - Quality Control										
Batch B7C0709 - EPA 5030B										
Blank (B7C0709-BLK1)				Prepared & Analyzed: 03/02/07						
Benzene	<0.0020	0.0020	mg/kg							
Ethylbenzene	<0.0020	0.0020	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
GROBTEXMTBE 8015M/8021B by GC - Quality Control										
Batch B7C0709 - EPA 5030B										
Blank (B7C0709-BLK1) Continued				Prepared & Analyzed: 03/02/07						
Gasoline Range Organics (GRO)	<0.50	0.50	mg/kg							
Methyl-tert-Butyl Ether (MTBE)	<0.020	0.020	mg/kg							
Toluene	<0.0020	0.0020	mg/kg							
Xylenes, Total	<0.0020	0.0020	mg/kg							
Surrogate: a,a,a-Trifluorotoluene	*0.0858*		*mg/kg*	*0.100*		*85.8*	*80-120*			
LCS (B7C0709-BS1)				Prepared & Analyzed: 03/02/07						
Benzene	**0.0474**	0.0020	mg/kg	0.0400		118	75-125			
Ethylbenzene	**0.0412**	0.0020	mg/kg	0.0400		103	75-125			
Gasoline Range Organics (GRO)	**0.848**	0.50	mg/kg	1.00		84.8	75-125			
Toluene	**0.0410**	0.0020	mg/kg	0.0400		102	75-125			
Surrogate: a,a,a-Trifluorotoluene	*0.107*		*mg/kg*	*0.100*		*107*	*80-120*			
LCS Dup (B7C0709-BSD1)				Prepared & Analyzed: 03/02/07						
Benzene	**0.0424**	0.0020	mg/kg	0.0400		106	75-125	11.1	40	
Ethylbenzene	**0.0396**	0.0020	mg/kg	0.0400		99.0	75-125	3.96	40	
Gasoline Range Organics (GRO)	**0.800**	0.50	mg/kg	1.00		80.0	75-125	5.83	40	
Toluene	**0.0380**	0.0020	mg/kg	0.0400		95.0	75-125	7.59	40	
Surrogate: a,a,a-Trifluorotoluene	*0.105*		*mg/kg*	*0.100*		*105*	*80-120*			
Carbon Chain by GC/FID - Quality Control										
Batch B7B2712 - EPA 3550B										
Blank (B7B2712-BLK1)				Prepared: 02/27/07 Analyzed: 03/03/07						
C6-C8	<1.0	1.0	mg/kg							
C8-C10	<1.0	1.0	mg/kg							
C10-C12	<1.0	1.0	mg/kg							
C12-C14	<1.0	1.0	mg/kg							
C14-C16	<1.0	1.0	mg/kg							
C16-C18	<1.0	1.0	mg/kg							
C18-C20	<1.0	1.0	mg/kg							
C20-C22	<1.0	1.0	mg/kg							
C22-C24	<1.0	1.0	mg/kg							
C24-C26	<1.0	1.0	mg/kg							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67801
Date Received: 02/23/07
Date Reported: 04/11/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B7B2712 - EPA 3550B										
Blank (B7B2712-BLK1) Continued				Prepared: 02/27/07 Analyzed: 03/03/07						
C26-C28	<1.0	1.0	mg/kg							
C28-C32	<1.0	1.0	mg/kg							
C32-C34	<1.0	1.0	mg/kg							
C34-C36	<1.0	1.0	mg/kg							
C36-C40	<1.0	1.0	mg/kg							
C40-C44	<1.0	1.0	mg/kg							
TPH (C6-C44)	<10	10	mg/kg							
Surrogate: o-Terphenyl	*7.60*		*mg/kg*	*10.0*		*76.0*	*50-150*			
LCS (B7B2712-BS1)				Prepared: 02/27/07 Analyzed: 03/03/07						
Diesel Range Organics as Diesel	**160**	10	mg/kg	200		80.0	75-125			
Surrogate: o-Terphenyl	*9.40*		*mg/kg*	*10.0*		*94.0*	*50-150*			
Matrix Spike (B7B2712-MS1)			**Source: 7B22003-06**	Prepared: 02/27/07 Analyzed: 03/03/07						
Diesel Range Organics as Diesel	**163**	10	mg/kg	200	<10	81.5	70-130			
Surrogate: o-Terphenyl	*9.90*		*mg/kg*	*10.0*		*99.0*	*50-150*			
Matrix Spike Dup (B7B2712-MSD1)			**Source: 7B22003-06**	Prepared: 02/27/07 Analyzed: 03/03/07						
Diesel Range Organics as Diesel	**158**	10	mg/kg	200	<10	79.0	70-130	3.12	40	
Surrogate: o-Terphenyl	*8.90*		*mg/kg*	*10.0*		*89.0*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Acts Community Development	**AA Project No:**	A67801
Project No:	NA	**Date Received:**	02/23/07
Project Name:	Acts Community Development	**Date Reported:**	04/11/07

Special Notes

Viorel Vasile
Operations Manager

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
FJGoldmanCHG@yahoo.com
FAX: (949) 606-8711
Cell: (707) 758-6614

CHAIN OF CUSTODY RECORD

#101468 A67801/7822003

Laboratory Analysis P.O. No.
Laboratory Please Call Accounts Payable for P.O. No.
Date: 2/21/07 Sheet 1 Of 1

Project Name: Acts Full Gospel Church
Project Number: 1001 77th Avenue
Address: Oakland, CA

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	GAM Metals (17) PAH 8 only	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	GRO, DRO, BTEX, MTBE	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	Comments
MW-3	10½-11	02/16/07	8:40 AM												X		X		7822003-01
MW-3	15½-16		8:55																-02
MW-3	20½-21		9:05																-03
MW-4	4½-5		11:40 AM																-04
MW-4	8½-9		11:55							X									-05
MW-4	14-14½		12:15																-06
MW-1	8½-9		3:20 PM																-07
MW-1	12½-13		4:00 PM																-08
MW-2	8½-9		5:15 PM																-09
MW-2	12½-13	↓	5:45 PM												↓		↓		-10

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman	2/21/07	6:50 AM	FedEx	2/21/07	6:50 AM
FedEx			L. Cey	2.23.07	12:14
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet: 13
Method of Shipment:
Special Shipment/Handling or Storage Requirements: Keep on Ice

RECEIVED Time 1500 Sign:

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547

Phone

Turnaround Time
☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to: Frank

07FB0823 12:44:59

Attachment B

Blaine Technical Services Well Development Logs

WELL GAUGING DATA

Project # 070302-551 Date 3/2/07 Client Frank Goldman

Site 1001 77th Ave., Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1005	2					4.19	12.28		
MW-2	1010	2					3.83	12.57		
MW-3	1015	2					6.62	12.70		
MW-4	1020	2					5.75	12.20	V	

WELL DEVELOPMENT DATA SHEET

Project #: 070302-551	Client: Frank Goldman
Developer: Sooch	Date Developed: 3/2/07
Well I.D. MW-1	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 12.28 After 12.67	Depth to Water: Before 4.19 After 4.35
Reason not developed:	If Free Product, thickness:
Additional Notations: surged for 15min prior to purge.	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1.3	X	10	=	13
1 Case Volume		Specified Volumes		gallons

Purging Device:
- [x] Bailer
- [ ] Suction Pump
- [ ] Electric Submersible
- [x] Positive Air Displacement

Type of Installed Pump
Other equipment used 2" surge block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1121	65.4	6.5	1393	>1000	1.3	Brown, silty
1124	65.0	7.0	1281	>1000	2.6	" "
1127	65.0	7.1	1114	>1000	3.9	" "
1130	64.5	7.1	1168	>1000	5.2	Hard Bottom
1132	64.3	7.1	1170	>1000	6.5	Brown, cloudy
1135	64.2	7.1	1096	>1000	7.8	" "
1137	64.2	7.1	1101	>1000	9.1	" "
1139	64.2	7.1	1069	>1000	10.4	" "
1141	64.0	7.1	1051	>1000	11.7	" "
1144	63.9	7.1	1046	>1000	13.0	ORP 193 " TDS 684 " DO 1.5

Did Well Dewater? N	If yes, note above.	Gallons Actually Evacuated:	13

WELL DEVELOPMENT DATA SHEET

Project #: 070302-551	Client: Frank Goldman
Developer: Gooch	Date Developed: 3/2/07
Well I.D. MW-2	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth:	Depth to Water:
Before 12.57 After 12.67	Before 3.83 After 4.24
Reason not developed:	If Free Product, thickness:
Additional Notations: surged well for 15 min. prior to purge.	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1.4	X	10	=	14
1 Case Volume		Specified Volumes		gallons

Purging Device:
- [x] Bailer
- [ ] Suction Pump
- [ ] Electric Submersible
- [x] Positive Air Displacement

Type of Installed Pump
Other equipment used 2" surge block

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs):	VOLUME REMOVED:	NOTATIONS:
1220	63.2	6.7	1451	>1000	1.4	SILTY, Brown
1224	62.2	7.1	1337	>1000	2.8	" "
1227	61.8	7.1	1417	>1000	4.2	" "
1230	61.8	7.2	1326	>1000	5.6	" "
1233	61.6	7.1	1302	>1000	7.0	cLOUDY, Brown
1236	61.6	7.1	1209	>1000	8.4	Hard Bottom
1238	61.6	7.1	1143	>1000	10.8	cloudy, Brown
1240	61.7	7.1	1125	>1000	11.2	" "
1242	61.7	7.1	1115	>1000	12.6	" "
1246	61.6	7.1	1110	>1000	14.0	ORP 534 TDS 727 D.O. 1.3

Did Well Dewater? N | If yes, note above. | Gallons Actually Evacuated: 14

WELL DEVELOPMENT DATA SHEET

Project #: 070302-551	Client: Frank Goldman
Developer: Sooch	Date Developed: 3/2/07
Well I.D. MW-3	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 12.70 After 12.70	Depth to Water: Before 6.62 After 8.20
Reason not developed:	If Free Product, thickness:
Additional Notations: surged well for 15 min prior to purge.	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} / 231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1 Case Volume	X	10 Specified Volumes	=	10 gallons

Purging Device:
- ☒ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1315	59.4	6.7	1700	>1000	1	cloudy, brown
1317	59.2	7.3	1618	>1000	2	Hard Bottom
1319	59.2	7.4	1342	>1000	3	cloudy, brown
1321	59.4	7.3	1228	>1000	4	" "
1324	59.3	7.2	1128	>1000	5	" "
1326	59.3	7.2	1068	>1000	6	" "
1328	59.4	7.2	1074	>1000	7	" "
1330	59.5	7.1	974	>1000	8	" "
1332	59.6	7.1	971	>1000	9	" "
1334	59.7	7.1	987	>1000	10	ORP 265, TDS 528, 8.0 1.0

Did Well Dewater? N	If yes, note above.	Gallons Actually Evacuated:	10

WELL DEVELOPMENT DATA SHEET

Project #: 070302-551	Client: Frank Goldman
Developer: Sondh	Date Developed: 3/2/07
Well I.D. MW-4	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 12.20 After 12.67	Depth to Water: Before 5.75 After 6.03
Reason not developed:	If Free Product, thickness:
Additional Notations: surged well for 15min prior to purge	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

10 (1 Case Volume) X 1 (Specified Volumes) = 10 gallons

Purging Device:
- ☒ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump
Other equipment used 2" surge block

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1032	63.8	7.1	1601	>1000	1	Brown, silty, mild gas odor
1034	64.9	7.1	1255	>1000	2	" " "
1036	64.8	7.1	1048	>1000	3	cloudy, brown, mild gas odor
1038	65.5	7.1	987	>1000	4	" " "
1040	65.4	7.1	969	>1000	5	" " hard bottom
1042	65.2	7.1	996	>1000	6	cloudy, brown, mild gas odor
1044	65.6	7.2	950	>1000	7	" "
1046	65.7	7.2	945	>1000	8	" "
1048	65.8	7.2	931	>1000	9	" "
1050	65.7	7.2	939	>1000	10	ORP 13mv TDS 644 ppm D.O 1.1 mg/l

Did Well Dewater? N | If yes, note above. | Gallons Actually Evacuated: 10

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME				PROJECT NUMBER			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Milton V	605785	3/2/07 0940	7.00	7.02	7.00	65.5	[illegible]
↓	↓	↓	4.00	4.15	4.00	65.5	[illegible]
↓	↓	↓	3900 µs	3892	3900 µs	60.2	[illegible]

SPH or Purge Water Drum Log

Client: Frank Goldman

Site Address: 1001 77th Ave., OAKLAND

STATUS OF DRUM(S) UPON ARRIVAL

Date	3/2/07					
Number of drum(s) empty:	0					
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:	6 *					
Total drum(s) on site:						
Are the drum(s) properly labeled?	Y					
Drum ID & Contents:						
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately. * SOIL BORINGS

STATUS OF DRUM(S) UPON DEPARTURE

Date	3/2/07					
Number of drums empty:	0					
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:						
Number of drum(s) full:	6* 1					
Total drum(s) on site:	7					
Are the drum(s) properly labeled?	Y					
Drum ID & Contents:						

LOCATION OF DRUM(S)

Describe location of drum(s): against fencing in front of 1001 77th.
*(6) SOIL DRUMS - NOT BTS

FINAL STATUS

Number of new drum(s) left on site this event	1					
Date of inspection:	3/2/07					
Drum(s) labelled properly:	Y					
Logged by BTS Field Tech:	SJ					
Office reviewed by:						

Attachment C

Sampling Event Logs - ACD - March 21, 2007

MW-1	DTW 5.00'	Gallons purged	TEMP F (Circle One)	EC (us/cm)	PH	TIME	03-21-07
		2.5	65.2	1101	7.1	8:30 am	
		2.0	64.8	1088	7.1	9:05	
		2.0	64.1	1062	7.1	9:45 am	

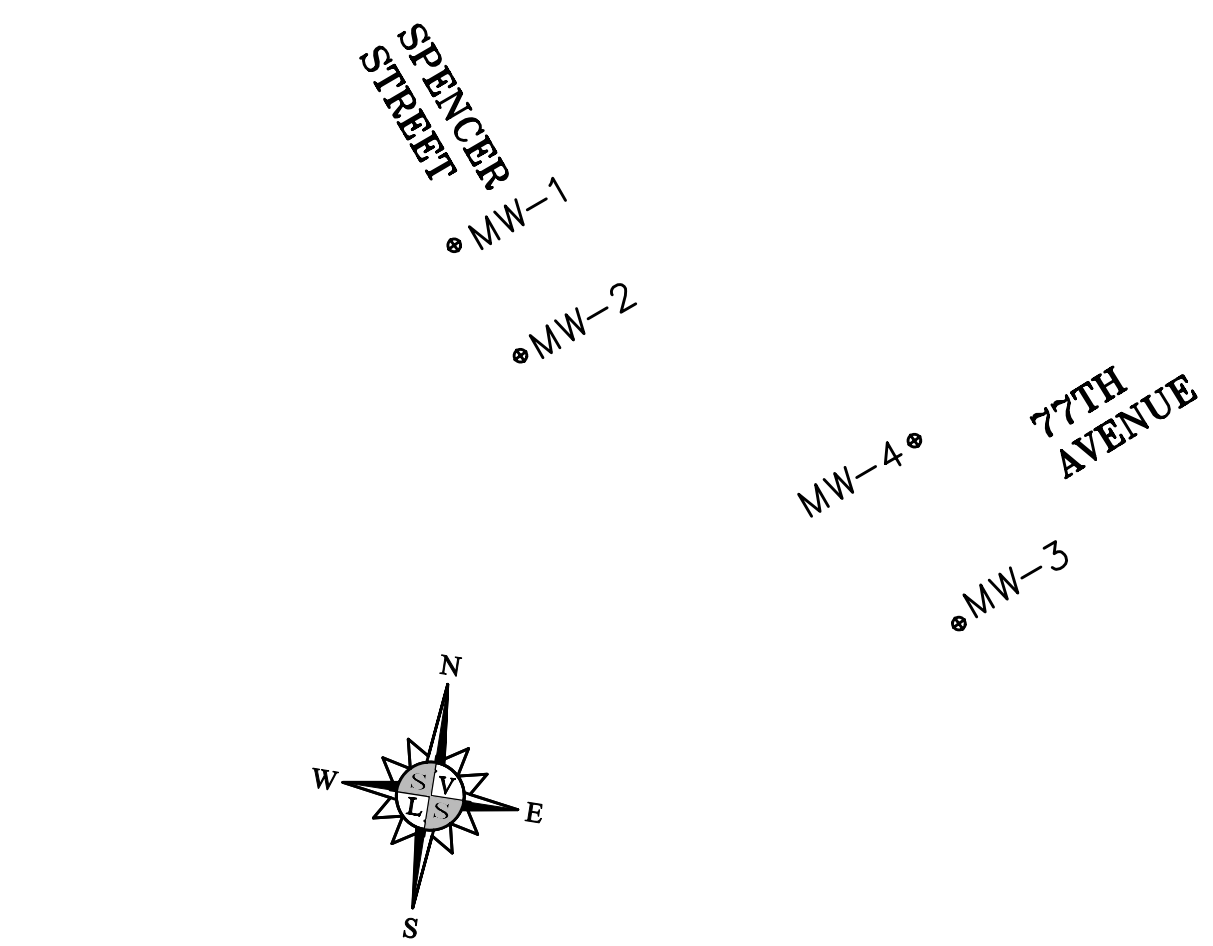
MW-2	DTW 4.70'	Gallons purged	TEMP C/ F (Circle One)	EC (us/cm)	PH	TIME	03-21-07
		2.5	62.1	1141	7.1	10:00 am	
		2.0	61.8	1131	7.1	10:25	
		2.0	61.1	1121	7.1	11:15 am	

MW-3	DTW 6.81'	Gallons purged	TEMP F (Circle One)	EC (us/cm)	PH	TIME	03-21-07
		2.5	60.6	1011	7.2	11:40 am	
		2.0	60.1	1000	7.1	12:05	
		2.0	59.9	998	7.1	12:30 pm	

MW-4	DTW 6.12'	Gallons purged	TEMP F (Circle One)	EC (us/cm)	PH	TIME	03-21-07
		2.5	66.7	966	7.2	12:50 pm	
		2.0	66.2	955	7.2	1:15	
		2.0	65.4	941	7.2	1:55 pm	

Attachment D

Certified Land Survey, Plat Map, & Data



PLAT OF SURVEYED MONITORING WELLS
1001 77TH AVE., OAKLAND, CALIF.

SCALE:	1"= 30'
DESIGN BY:	TR
DRAWN BY:	PW
CHECK BY:	

SILICON VALLEY LAND SURVEYING, INC.
LAND AND ENGINEERING SURVEYS
1093 NORTH FIFTH ST., SAN JOSE, CA 95112
TEL. (408) 971-3800 FAX (408) 971-8501

DATE:	4/16/07
SURV. DATE	04/11/07
JOB NO:	07-0310
SHEET	1 OF 1 SHEETS

GeoTracker_XY Report for
Monitoring Wells Surveyed at 1001 77th Street, Oakland, CA.
by Silicon Valley Land Surveying, Inc. for ACTS Community Development

FIELD_PT_NAME	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE
MW-1	4/11/2007	37.7538002	122.1906224	GPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-2	4/11/2007	37.7537584	122.1905768	GPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-3	4/11/2007	37.7536776	122.1903185	GPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530
MW-4	4/11/2007	37.7537516	122.1903592	GPS	NAD83	2	Silicon Valley Land Surveying Inc.	L530

GeoTracker_Z Report for
Monitoring Wells Surveyed at 1001 77th Street, Oakland, CA.
by Silicon Valley Land Surveying, Inc. for ACTS Community Development

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC
	MW-1	4/11/2007	11.59	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.26	NGS BM AA3814 NAVD 88
	MW-2	4/11/2007	11.28	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.50	NGS BM AA3814 NAVD 88
	MW-3	4/11/2007	12.78	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.59	NGS BM AA3814 NAVD 88
	MW-4	4/11/2007	12.18	DIG	88	2	Silicon Valley Land Surveying Inc.	-0.36	NGS BM AA3814 NAVD 88

Attachment E

Laboratory Data Sheets for Water Samples

AMERICAN ANALYTICS

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

April 16, 2007

Rene Eschon

Acts Community Development

1034 66th Ave

Oakland, CA 94621

Re : Acts Community Development

A67803 / 7C23003

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 03/23/07 10:00 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Viorel Vasile

Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
8260B TPHGBTEXOXYEDBEDC					
MW-1	7C23003-01	Water	10	03/21/07 09:35	03/23/07 10:00
MW-2	7C23003-02	Water	10	03/21/07 11:05	03/23/07 10:00
MW-3	7C23003-03	Water	10	03/21/07 12:20	03/23/07 10:00
MW-4	7C23003-04	Water	10	03/21/07 13:40	03/23/07 10:00
8270C PAHs					
MW-1	7C23003-01	Water	10	03/21/07 09:35	03/23/07 10:00
MW-2	7C23003-02	Water	10	03/21/07 11:05	03/23/07 10:00
MW-3	7C23003-03	Water	10	03/21/07 12:20	03/23/07 10:00
MW-4	7C23003-04	Water	10	03/21/07 13:40	03/23/07 10:00
Carbon Chain Characterization 8015M					
MW-1	7C23003-01	Water	10	03/21/07 09:35	03/23/07 10:00
MW-2	7C23003-02	Water	10	03/21/07 11:05	03/23/07 10:00
MW-3	7C23003-03	Water	10	03/21/07 12:20	03/23/07 10:00
MW-4	7C23003-04	Water	10	03/21/07 13:40	03/23/07 10:00

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: PAHs by EPA 8270C

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07
Units: ug/L

Date Sampled:	03/21/07	03/21/07	03/21/07	03/21/07	
Date Prepared:	03/27/07	03/27/07	03/27/07	03/27/07	
Date Analyzed:	03/30/07	03/30/07	03/30/07	03/31/07	
AA ID No:	7C23003-01	7C23003-02	7C23003-03	7C23003-04	
Client ID No:	MW-1	MW-2	MW-3	MW-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8270C PAHs (EPA 8270M)					
Acenaphthene	<0.20	<0.20	<0.20	<0.20	0.20
Acenaphthylene	<0.20	<0.20	<0.20	<0.20	0.20
Anthracene	<0.20	<0.20	<0.20	<0.20	0.20
Benzo(a)anthracene	<0.20	<0.20	<0.20	<0.20	0.20
Benzo(a)pyrene	<0.20	<0.20	<0.20	<0.20	0.20
Benzo(b)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.20
Benzo(g,h,i)perylene	<0.20	<0.20	<0.20	<0.20	0.20
Benzo(k)fluoranthene	<0.20	<0.20	<0.20	<0.20	0.20
Chrysene	<0.20	<0.20	<0.20	<0.20	0.20
Dibenzo(a,h)anthracene	<0.20	<0.20	<0.20	<0.20	0.20
Fluoranthene	<0.20	<0.20	<0.20	<0.20	0.20
Fluorene	<0.20	<0.20	<0.20	<0.20	0.20
Indeno (1,2,3-cd) pyrene	<0.20	<0.20	<0.20	<0.20	0.20
Naphthalene	<0.20	<0.20	<0.20	<0.20	0.20
Phenanthrene	<0.20	<0.20	<0.20	<0.20	0.20
Pyrene	<0.20	<0.20	<0.20	<0.20	0.20
Surrogates					**%REC Limits**
2-Fluorobiphenyl	70.4%	74.0%	73.8%	62.4%	43-116
Terphenyl-dl4	79.0%	70.2%	80.8%	69.0%	33-141

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: TPHG/BTEX/OXY/EDBEDC by GC/MS

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07
Units: ug/L

Date Sampled:	03/21/07	03/21/07	03/21/07	03/21/07	
Date Prepared:	04/02/07	04/02/07	04/02/07	04/02/07	
Date Analyzed:	04/02/07	04/02/07	04/02/07	04/02/07	
AA ID No:	7C23003-01	7C23003-02	7C23003-03	7C23003-04	
Client ID No:	MW-1	MW-2	MW-3	MW-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
8260B TPHGBTEXOXYEDBEDC (EPA 8260B)					
tert-Amyl Methyl Ether (TAME)	<2.0	<2.0	<2.0	<2.0	2.0
Benzene	<0.50	<0.50	<0.50	**50**	0.50
tert-Butyl alcohol (TBA)	<10	<10	<10	<10	10
1,2-Dibromoethane (EDB)	<0.50	<0.50	<0.50	<0.50	0.50
1,2-Dichloroethane (EDC)	<0.50	<0.50	<0.50	<0.50	0.50
Diisopropyl ether (DIPE)	<2.0	<2.0	<2.0	<2.0	2.0
Ethylbenzene	<0.50	<0.50	<0.50	**1200**	0.50
Ethyl-tert-Butyl Ether (ETBE)	<2.0	<2.0	<2.0	<2.0	2.0
Gasoline Range Organics (GRO)	**2200 [1]**	**2000 [1]**	<100	**27000**	100
Methyl-tert-Butyl Ether (MTBE)	<2.0	<2.0	<2.0	**3.3**	2.0
Toluene	<0.50	<0.50	<0.50	**25**	0.50
o-Xylene	<0.50	<0.50	<0.50	**850**	0.50
m,p-Xylenes	<1.0	<1.0	<1.0	**3200**	1.0
Surrogates					**%REC Limits**
Dibromofluoromethane	112%	112%	116%	108%	80-120
Toluene-d8	90.0%	92.0%	96.0%	84.0%	80-120

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development
Method: Carbon Chain by GC/FID

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07
Units: mg/L

Date Sampled:	03/21/07	03/21/07	03/21/07	03/21/07	
Date Prepared:	04/02/07	04/02/07	04/02/07	04/02/07	
Date Analyzed:	04/05/07	04/05/07	04/05/07	04/05/07	
AA ID No:	7C23003-01	7C23003-02	7C23003-03	7C23003-04	
Client ID No:	MW-1	MW-2	MW-3	MW-4	
Matrix:	Water	Water	Water	Water	
Dilution Factor:	1	1	1	1	MRL
Carbon Chain Characterization 8015M (EPA 8015M)					
C6-C8	<0.010	<0.010	<0.010	**0.12**	0.010
C8-C10	<0.010	<0.010	<0.010	**6.5**	0.010
C10-C12	<0.010	<0.010	<0.010	**2.4**	0.010
C12-C14	<0.010	<0.010	<0.010	**0.38**	0.010
C14-C16	<0.010	<0.010	<0.010	**0.070**	0.010
C16-C18	<0.010	<0.010	<0.010	**0.012**	0.010
C18-C20	<0.010	<0.010	<0.010	<0.010	0.010
C20-C22	<0.010	<0.010	<0.010	<0.010	0.010
C22-C24	<0.010	<0.010	<0.010	<0.010	0.010
C24-C26	<0.010	<0.010	<0.010	<0.010	0.010
C26-C28	<0.010	<0.010	<0.010	<0.010	0.010
C28-C32	<0.010	<0.010	<0.010	<0.010	0.010
C32-C34	<0.010	<0.010	<0.010	<0.010	0.010
C34-C36	<0.010	<0.010	<0.010	<0.010	0.010
C36-C40	<0.010	<0.010	<0.010	<0.010	0.010
C40-C44	<0.010	<0.010	<0.010	<0.010	0.010
TPH (C6-C44)	<0.10	<0.10	<0.10	**9.5**	0.10
Surrogates					**%REC Limits**
o-Terphenyl	61.0%	77.0%	60.0%	56.0%	50-150

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PAHs by EPA 8270C - Quality Control										
Batch B7C2712 - EPA 3510C_MS										
Blank (B7C2712-BLK1)				Prepared: 03/27/07 Analyzed: 03/30/07						
Acenaphthene	<0.20	0.20	ug/L							
Acenaphthylene	<0.20	0.20	ug/L							
Anthracene	<0.20	0.20	ug/L							
Benzo(a)anthracene	<0.20	0.20	ug/L							
Benzo(a)pyrene	<0.20	0.20	ug/L							
Benzo(b)fluoranthene	<0.20	0.20	ug/L							
Benzo(g,h,i)perylene	<0.20	0.20	ug/L							
Benzo(k)fluoranthene	<0.20	0.20	ug/L							
Chrysene	<0.20	0.20	ug/L							
Dibenzo(a,h)anthracene	<0.20	0.20	ug/L							
Fluoranthene	<0.20	0.20	ug/L							
Fluorene	<0.20	0.20	ug/L							
Indeno (1,2,3-cd) pyrene	<0.20	0.20	ug/L							
Naphthalene	<0.20	0.20	ug/L							
Phenanthrene	<0.20	0.20	ug/L							
Pyrene	<0.20	0.20	ug/L							
Surrogate: 2-Fluorobiphenyl	*36.2*		*ug/L*	*50.0*		*72.4*	*43-116*			
Surrogate: Terphenyl-dl4	*59.6*		*ug/L*	*50.0*		*119*	*33-141*			
LCS (B7C2712-BS1)				Prepared: 03/27/07 Analyzed: 03/30/07						
Acenaphthene	**31.9**	0.20	ug/L	50.0		63.8	30-140			
Acenaphthylene	**34.9**	0.20	ug/L	50.0		69.8	30-140			
Anthracene	**32.1**	0.20	ug/L	50.0		64.2	30-140			
Benzo(a)anthracene	**37.7**	0.20	ug/L	50.0		75.4	30-140			
Benzo(a)pyrene	**33.4**	0.20	ug/L	50.0		66.8	30-140			
Benzo(b)fluoranthene	**38.7**	0.20	ug/L	50.0		77.4	30-140			
Benzo(g,h,i)perylene	**27.5**	0.20	ug/L	50.0		55.0	30-140			
Benzo(k)fluoranthene	**35.0**	0.20	ug/L	50.0		70.0	30-140			
Chrysene	**37.5**	0.20	ug/L	50.0		75.0	30-140			
Dibenzo(a,h)anthracene	**21.9**	0.20	ug/L	50.0		43.8	30-140			
Fluoranthene	**39.4**	0.20	ug/L	50.0		78.8	30-140			
Fluorene	**32.5**	0.20	ug/L	50.0		65.0	30-140			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PAHs by EPA 8270C - Quality Control										
Batch B7C2712 - EPA 3510C_MS										
LCS (B7C2712-BS1) Continued				Prepared: 03/27/07 Analyzed: 03/30/07						
Indeno (1,2,3-cd) pyrene	**29.5**	0.20	ug/L	50.0		59.0	30-140			
Naphthalene	**33.4**	0.20	ug/L	50.0		66.8	30-140			
Phenanthrene	**31.2**	0.20	ug/L	50.0		62.4	30-140			
Pyrene	**32.2**	0.20	ug/L	50.0		64.4	30-140			
Surrogate: 2-Fluorobiphenyl	*34.7*		*ug/L*	*50.0*		*69.4*	*43-116*			
Surrogate: Terphenyl-dl4	*36.1*		*ug/L*	*50.0*		*72.2*	*33-141*			
LCS Dup (B7C2712-BSD1)				Prepared: 03/27/07 Analyzed: 03/30/07						
Acenaphthene	**32.0**	0.20	ug/L	50.0		64.0	30-140	0.313	30	
Acenaphthylene	**36.8**	0.20	ug/L	50.0		73.6	30-140	5.30	30	
Anthracene	**32.5**	0.20	ug/L	50.0		65.0	30-140	1.24	30	
Benzo(a)anthracene	**38.9**	0.20	ug/L	50.0		77.8	30-140	3.13	30	
Benzo(a)pyrene	**34.8**	0.20	ug/L	50.0		69.6	30-140	4.11	30	
Benzo(b)fluoranthene	**38.0**	0.20	ug/L	50.0		76.0	30-140	1.83	30	
Benzo(g,h,i)perylene	**28.4**	0.20	ug/L	50.0		56.8	30-140	3.22	30	
Benzo(k)fluoranthene	**38.3**	0.20	ug/L	50.0		76.6	30-140	9.00	30	
Chrysene	**38.7**	0.20	ug/L	50.0		77.4	30-140	3.15	30	
Dibenzo(a,h)anthracene	**23.2**	0.20	ug/L	50.0		46.4	30-140	5.76	30	
Fluoranthene	**38.9**	0.20	ug/L	50.0		77.8	30-140	1.28	30	
Fluorene	**33.3**	0.20	ug/L	50.0		66.6	30-140	2.43	30	
Indeno (1,2,3-cd) pyrene	**32.2**	0.20	ug/L	50.0		64.4	30-140	8.75	30	
Naphthalene	**33.5**	0.20	ug/L	50.0		67.0	30-140	0.299	30	
Phenanthrene	**31.8**	0.20	ug/L	50.0		63.6	30-140	1.90	30	
Pyrene	**32.6**	0.20	ug/L	50.0		65.2	30-140	1.23	30	
Surrogate: 2-Fluorobiphenyl	*34.1*		*ug/L*	*50.0*		*68.2*	*43-116*			
Surrogate: Terphenyl-dl4	*35.5*		*ug/L*	*50.0*		*71.0*	*33-141*			
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
Batch B7C3004 - EPA 5030B										
Blank (B7C3004-BLK1)				Prepared & Analyzed: 04/02/07						
tert-Amyl Methyl Ether (TAME)	<2.0	2.0	ug/L							
Benzene	<0.50	0.50	ug/L							

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
Batch B7C3004 - EPA 5030B										
Blank (B7C3004-BLK1) Continued				Prepared & Analyzed: 04/02/07						
tert-Butyl alcohol (TBA)	<10	10	ug/L							
1,2-Dibromoethane (EDB)	<0.50	0.50	ug/L							
1,2-Dichloroethane (EDC)	<0.50	0.50	ug/L							
Diisopropyl ether (DIPE)	<2.0	2.0	ug/L							
Ethylbenzene	<0.50	0.50	ug/L							
Ethyl-tert-Butyl Ether (ETBE)	<2.0	2.0	ug/L							
Gasoline Range Organics (GRO)	<100	100	ug/L							
Methyl-tert-Butyl Ether (MTBE)	<2.0	2.0	ug/L							
Toluene	<0.50	0.50	ug/L							
o-Xylene	<0.50	0.50	ug/L							
m,p-Xylenes	<1.0	1.0	ug/L							
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*45.4*		*ug/L*	*50.0*		*90.8*	*80-120*			
LCS (B7C3004-BS1)				Prepared & Analyzed: 04/02/07						
Benzene	**23.7**	0.50	ug/L	20.0		118	75-125			
1,2-Dichloroethane (EDC)	**22.1**	0.50	ug/L	20.0		110	75-125			
Ethylbenzene	**17.5**	0.50	ug/L	20.0		87.5	75-125			
Gasoline Range Organics (GRO)	**420**	100	ug/L	500		84.0	75-125			
Methyl-tert-Butyl Ether (MTBE)	**20.0**	2.0	ug/L	20.0		100	75-125			
Toluene	**17.7**	0.50	ug/L	20.0		88.5	75-125			
o-Xylene	**19.0**	0.50	ug/L	20.0		95.0	75-125			
Surrogate: Dibromofluoromethane	*57.4*		*ug/L*	*50.0*		*115*	*80-120*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.0*		*97.0*	*80-120*			
LCS Dup (B7C3004-BSD1)				Prepared & Analyzed: 04/02/07						
Benzene	**24.9**	0.50	ug/L	20.0		124	75-125	4.94	30	
1,2-Dichloroethane (EDC)	**21.7**	0.50	ug/L	20.0		108	75-125	1.83	30	
Ethylbenzene	**19.2**	0.50	ug/L	20.0		96.0	75-125	9.26	30	
Gasoline Range Organics (GRO)	**410**	100	ug/L	500		82.0	75-125	2.41	30	
Methyl-tert-Butyl Ether (MTBE)	**21.7**	2.0	ug/L	20.0		108	75-125	8.15	30	
Toluene	**19.4**	0.50	ug/L	20.0		97.0	75-125	9.16	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
TPHG/BTEX/OXY/EDBEDC by GC/MS - Quality Control										
Batch B7C3004 - EPA 5030B										
LCS Dup (B7C3004-BSD1) Continued				Prepared & Analyzed: 04/02/07						
o-Xylene	**21.1**	0.50	ug/L	20.0		106	75-125	10.5	30	
Surrogate: Dibromofluoromethane	*54.9*		*ug/L*	*50.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*45.8*		*ug/L*	*50.0*		*91.6*	*80-120*			
Carbon Chain by GC/FID - Quality Control										
Batch B7D0232 - EPA 3510C										
Blank (B7D0232-BLK1)				Prepared: 04/02/07 Analyzed: 04/05/07						
C6-C8	<0.020	0.020	mg/L							
C8-C10	<0.020	0.020	mg/L							
C10-C12	<0.020	0.020	mg/L							
C12-C14	<0.020	0.020	mg/L							
C14-C16	<0.020	0.020	mg/L							
C16-C18	<0.020	0.020	mg/L							
C18-C20	<0.020	0.020	mg/L							
C20-C22	<0.020	0.020	mg/L							
C22-C24	<0.020	0.020	mg/L							
C24-C26	<0.020	0.020	mg/L							
C26-C28	<0.020	0.020	mg/L							
C28-C32	<0.020	0.020	mg/L							
C32-C34	<0.020	0.020	mg/L							
C34-C36	<0.020	0.020	mg/L							
C36-C40	<0.020	0.020	mg/L							
C40-C44	<0.020	0.020	mg/L							
TPH (C6-C44)	<0.20	0.20	mg/L							
Surrogate: o-Terphenyl	*0.0275*		*mg/L*	*0.0500*		*55.0*	*50-150*			
LCS (B7D0232-BS1)				Prepared: 04/02/07 Analyzed: 04/05/07						
Diesel Range Organics as Diesel	**0.995**	0.20	mg/L	1.00		99.5	75-125			
Surrogate: o-Terphenyl	*0.0625*		*mg/L*	*0.0500*		*125*	*50-150*			
LCS Dup (B7D0232-BSD1)				Prepared: 04/02/07 Analyzed: 04/05/07						
Diesel Range Organics as Diesel	**0.850**	0.20	mg/L	1.00		85.0	75-125	15.7	30	

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client: Acts Community Development
Project No: NA
Project Name: Acts Community Development

AA Project No: A67803
Date Received: 03/23/07
Date Reported: 04/16/07

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon Chain by GC/FID - Quality Control										
Batch B7D0232 - EPA 3510C										
LCS Dup (B7D0232-BSD1) Continued				Prepared: 04/02/07 Analyzed: 04/05/07						
Surrogate: o-Terphenyl	*0.0675*		*mg/L*	*0.0500*		*135*	*50-150*			

Viorel Vasile
Operations Manager

LABORATORY ANALYSIS RESULTS

Client:	Acts Community Development	**AA Project No:**	A67803
Project No:	NA	**Date Received:**	03/23/07
Project Name:	Acts Community Development	**Date Reported:**	04/16/07

Special Notes

[1] = ****** : The reported concentration is from the contribution of Trichloroethylene.

Viorel Vasile
Operations Manager

Franklin J. Goldman
PO BOX 59, Sonoma, CA 95476
FJGoldmanCHG@yahoo.com
FAX: (949) 606-8711
Cell: (707) 758-6614

CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. _____
Laboratory Please Call Accounts Payable for P.O. No.

A67803 / 7C23003 #101731

Date: _____ Sheet ___ Of ___

Project Name: Acts Full Gospel Church
Project Number: 1001 77th Avenue
Address: Oakland, CA

Sampler's Name: Frank Goldman
Sampler's Signature: Franklin J. Goldman

Sample Number	Location	Date	Time	TPH as Gasoline 8015	TPH as Diesel 8015	TPH-g/BTEX 8015/8020 & MTBE	BTEX & EPA 8020	Oil and Grease 5520	Volitile Organics (8010)	CAM Metals (17)	Pr. Pollutant Metals (13)	Base/Neu/Acids (Organic)	Pesticides 8140/8141	Method 8260b for 5 oxygenates & 2 lead scavengers	GRO, DRO, MRO, BTEX	Bulk density, moisture, porosity fraction of organic carbon	SOIL SAMPLE	WATER SAMPLE	Comments
MW-1		03/21/07	9:35 AM											X				X	7C23003-01
MW-2			11:05 AM											↓				↓	-02
MW-3			12:20 PM																-03
MW-4		↓	1:40 PM											↓				↓	-04

American Analytics
9765 Eton Ave
Chatsworth, CA 91311
Phone: (818) 998-5547
Phone

Turnaround Time
☐ Rush ☐ 24 Hour ☐ 48 Hour ☒ 5-Day

Repeat to: Frank

RECEIVED
Date 3/23/07 Time 1020
TAT N Days 3hour

Relinquished By	Date	Time	Received By	Date	Time
Franklin J. Goldman / FEDEX	03/21/07	4:00 PM	Fed X	3/21/07	4:00 PM
				3.23.7	10:00 AM
Dispatched By	Date	Time	Received in Lab By	Date	Time

Total Number of Containers this Sheet:
Method of Shipment:
Special Shipment/Handling or Storage Requirements: Keep on Ice

Appendix A

Well Completion Reports

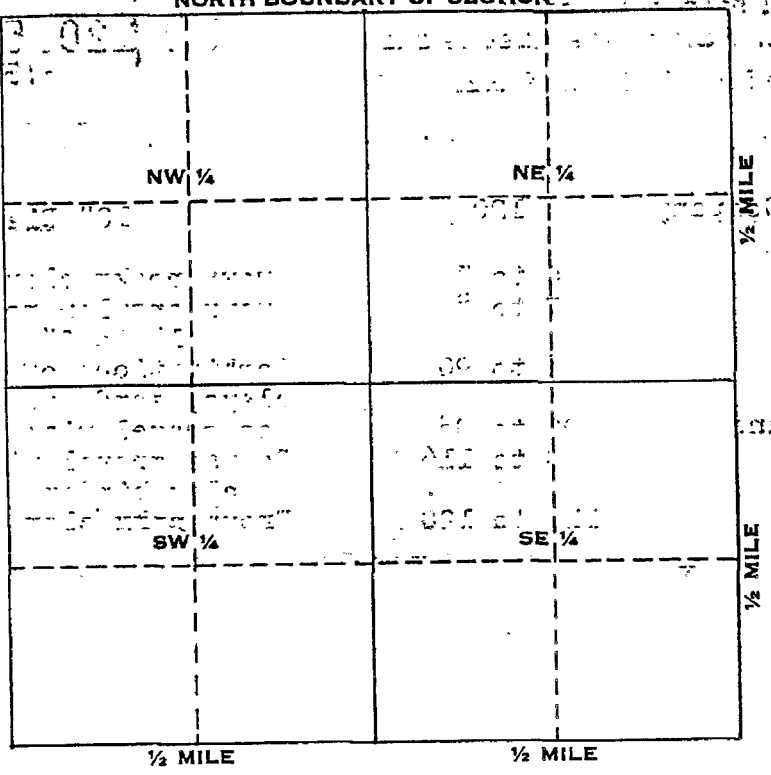
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

WELL LOCATION SKETCH

120154

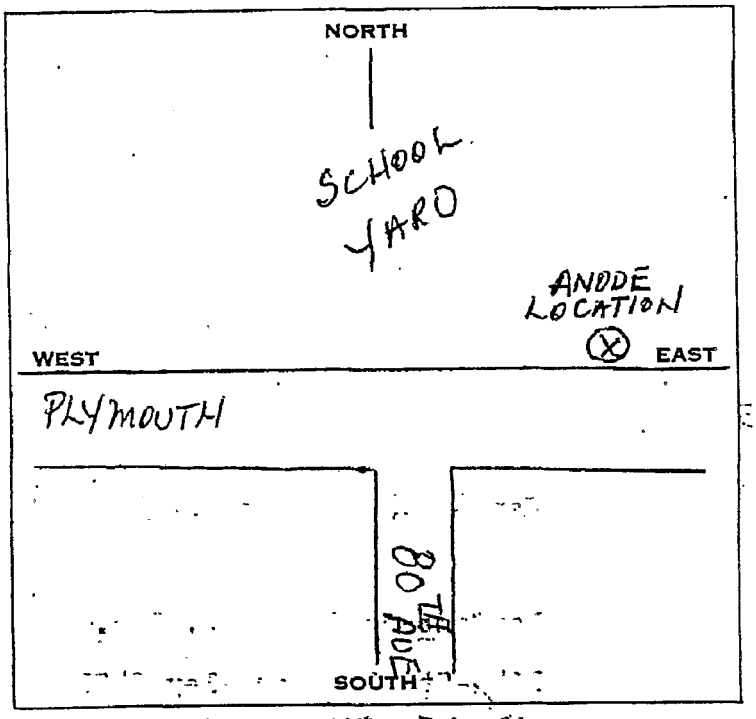


Township 2 N/S

Range 2 E/W

Section No. 15

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



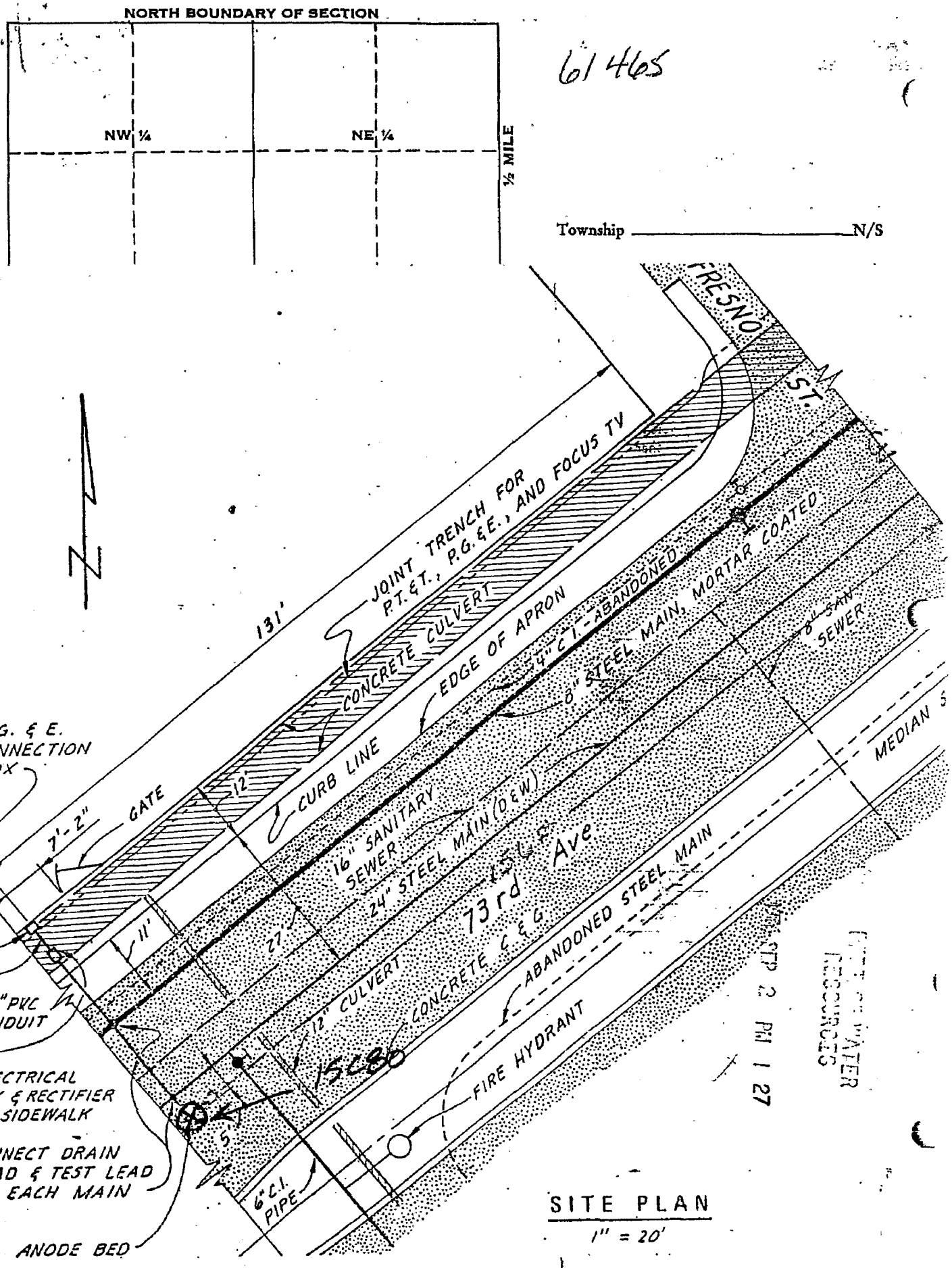
B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

RECEIVED
JAN 24 1974
COUNTY OF AMADOR
PUBLIC WORKS
DEPARTMENT

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



61465

SITE PLAN

1" = 20'

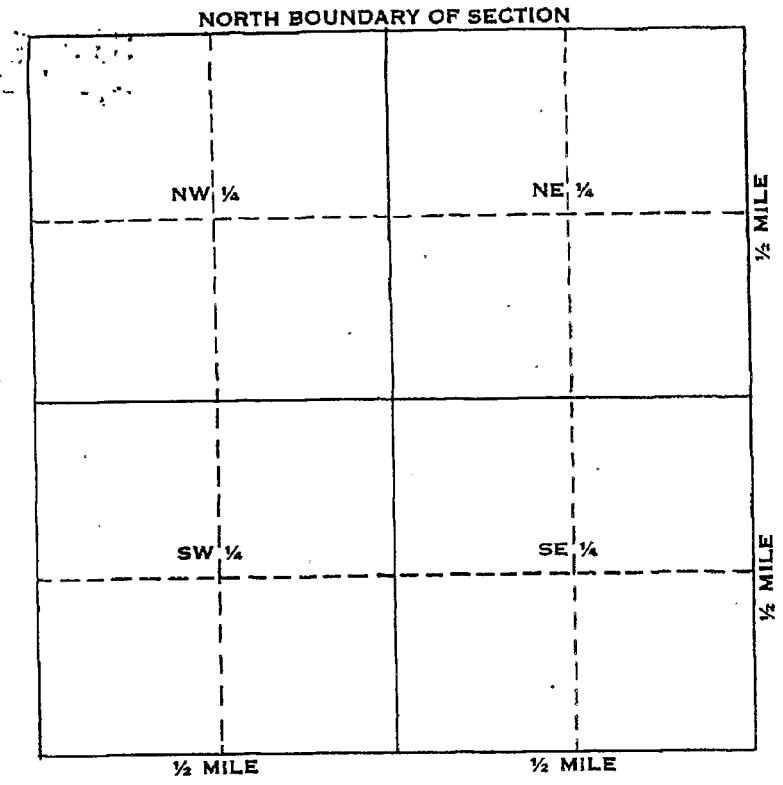
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

WELL LOCATION SKETCH

91509

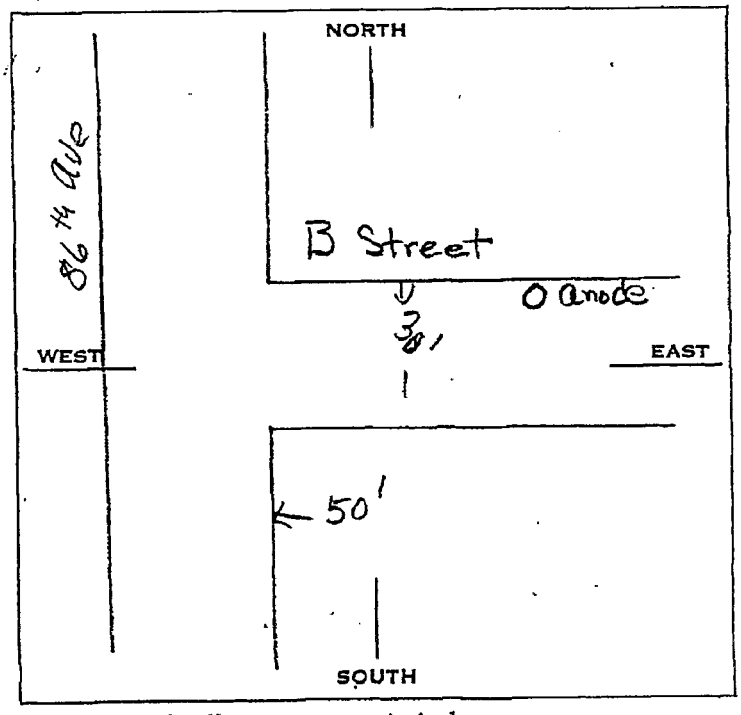


Township 2 N/S

Range 3 E/W

Section No. 15

A. Location of well in sectionized areas.
Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized.
Sketch roads, railroads, streams, or other features as necessary.
Indicate distances.

DEPT. OF WATER RESOURCES
1973 JUN 25 PM 1 22

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W-16R1

123408

Layne-Western Company, Inc.

Subject American Brass + Iron

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.

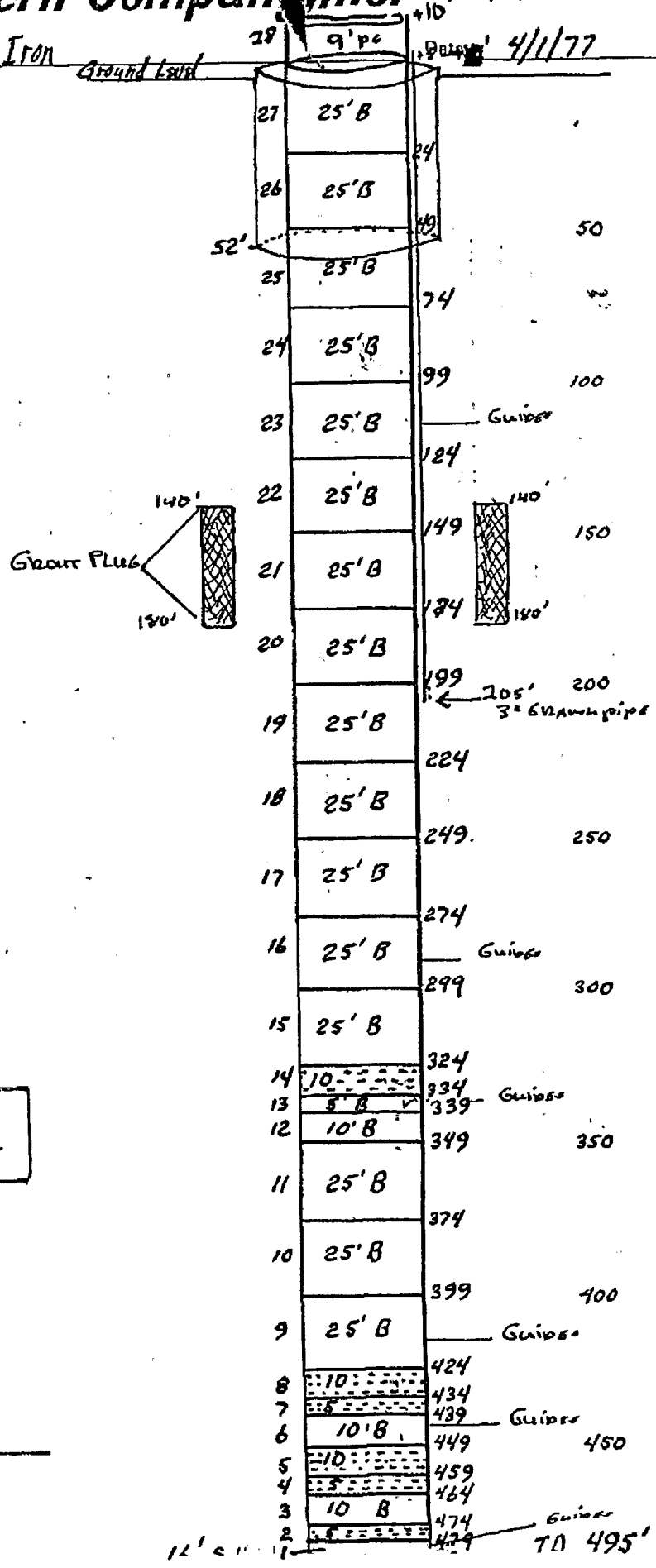
Cement = 136 cu. ft.
2% Gel 1/2 Diamix

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

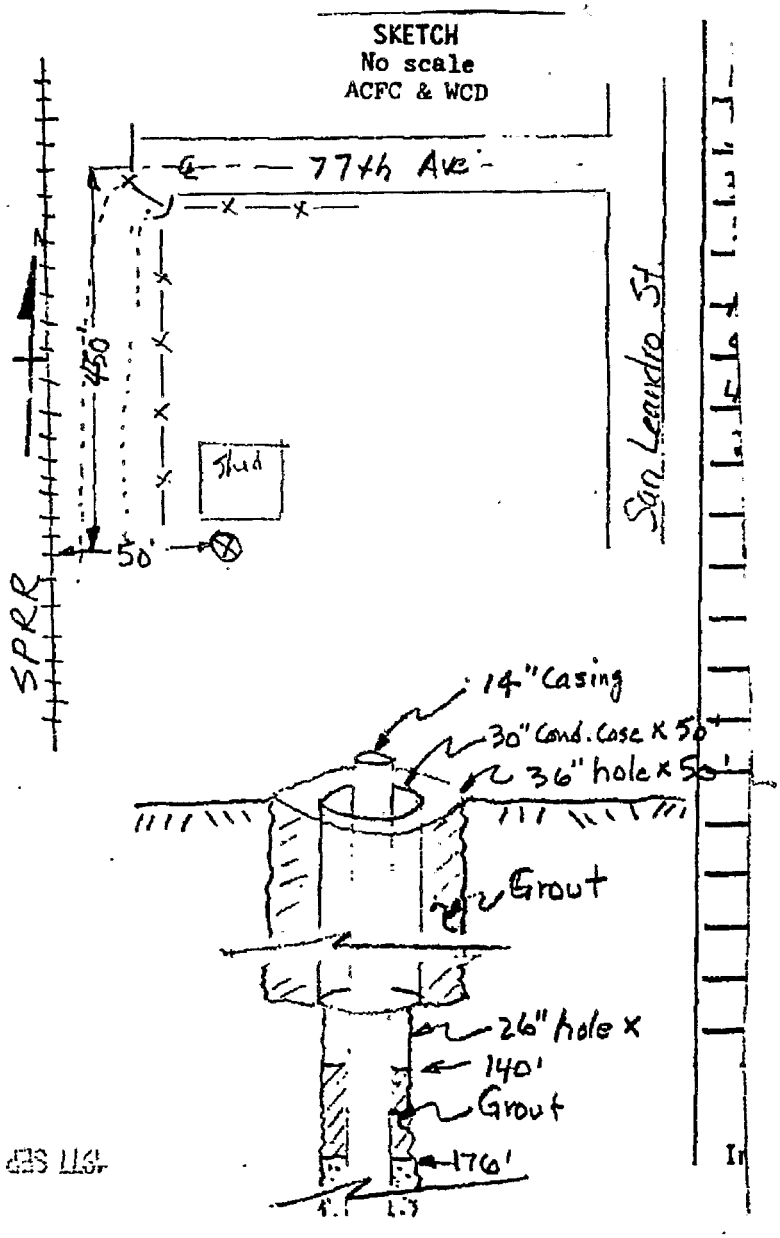
47 Tons Birdseye Run 1st

45 Tons Pea Gravel 2nd

Casing installation supervised by: _____



103408


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
170'

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

205325

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-1
Sheet 1 of 2

Field Location of Boring: Northeast corner of site, adjacent to north-south onsite roadway

Ground Elev.: 7.03 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 inches
Casing Installation Data see completion diagram

Blow Counts	PID / OVA	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-Graphic Symbol							
						Water Level	9.8	8.4	7.8			
						Time	10:45	11:15	11:50			
						Date	08/08/89	08/08/89	08/08/89			
						DESCRIPTION						
						2" Asphalt						
						6" of angular rock						
		1'				Clay, black, moderate to high plasticity, damp, stiff						
		2'		CL								
		3'										
		4'										
4			X									
6		5'	X			Clay, dark grey, moderate to high plasticity, damp, stiff						
14			X									
		6'		CL								
		7'										
						Clay, grey, moderate to high plasticity, increwase moisture content						
		8'	X	CL		until at 9.8 saturation						
			X									
		9'	X			Clay, dark greyish brown with light grey mottling, moderate						
				CL		plasticity, stiff, trace (5%) coarse angular sands, moist						
		10'										
		11'				Clay, dark greyish brown, k low plasticity, trace sands (8%),						
						saturated						
		12'		CL								
		13'										
			X			Sandy clay, yellowish brown, saturated, firm, stiff, moderate						
			X			plasticity, sands sands - 18%, fine to medium						
		14'	X									

205325

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-1
Sheet 2 of 2

Field Location of Boring: Northeast corner of site, adjacent to north-south onsite roadway

Ground Elev.: 7.03 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 inches
Casing Installation Data see completion diagram

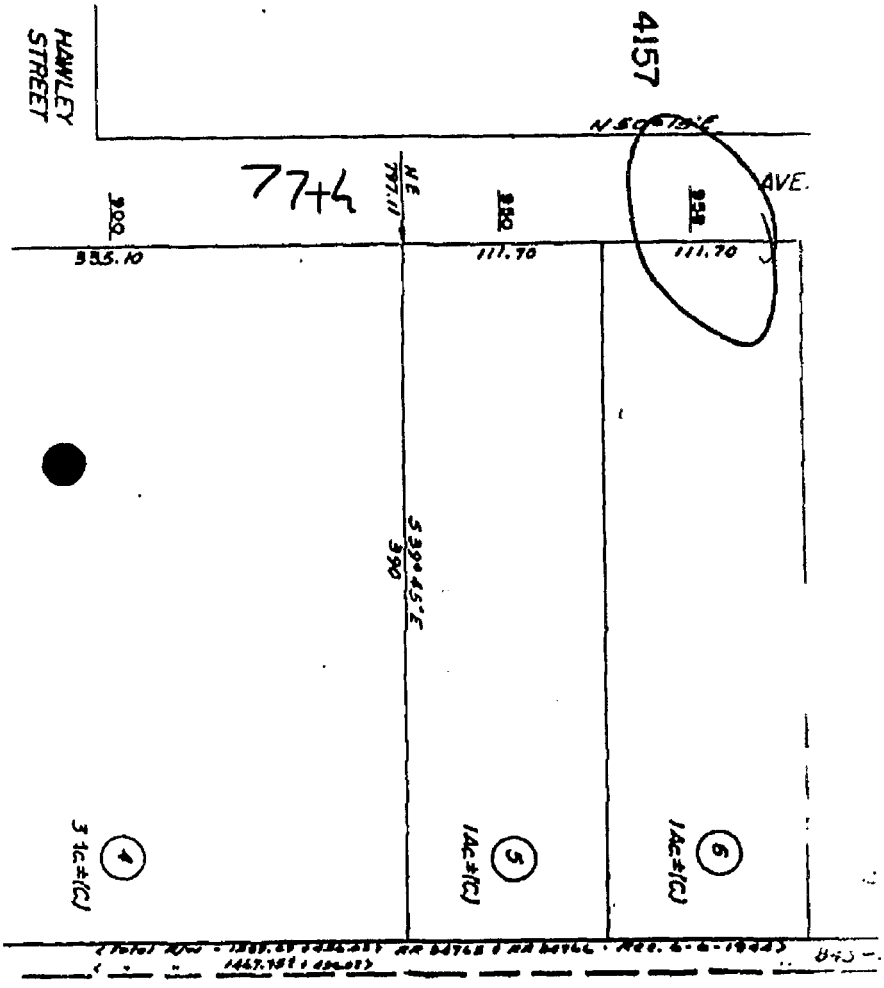
Blow Counts	PID / OVA	DEPTH	SAMPLE	Soil Group Symbol (USCS)	Litho-Graphic Symbol		DESCRIPTION
						Water Level	
						Time	
						Date	
				CL			Sandy clay, yellowish brown, moist, stiff, medium plasticity, sands
		15'					14%, fine
		16'					
		17'					
		18'					Borehole ends at 18.4'
			X				Sandy clay, yellowish brown, damp, stiff, moderate plasticity, sands
		19'	X				14%, fine
			X				
							Sampling ends at 19.5'

24846bor.log

205325

[redacted]

Drawn: 3-67 E.L. Revised: 3-15-7[illegible]
3-16-8[illegible]



CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

205326

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-2
Sheet 1 of 2

Field Location of Boring: Noortheast corner of site, adjacent to grease trap

Ground Elev.: 7.03 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 inches
Casing Installation Data see completion diagram

Blow Counts	PID / OVA	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-Graphic Symbol	DESCRIPTION
						Water Level 10' / Time 9:12 / Date 08/09/89
						3" Asphalt
		1'				4" Gravel, red angular, (red rock)
						Clay, black, moderate to high plasticity, damp, stiff
		2'		CL		
		3'				
		4'				
		5'				
3			x			Clay, very dark greyish brown, moderate to high plasticity, damp,
6		6'	x	CL		very stiff, trace fine sands
14			x			
		7'				
		8'				Clay, ligh olive brown, high plasticity, stiff, damp
				CL		
		9'				
		10'				
3			x			
6		11'	x			Clayey sand, light brownish grey with dark yellowish brown mottling
12			x	SC		Sands fine to coarse (charts, sandstone), clays - 25%, saturated,
		12'				dense
		13'				
		14'				

205326

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-2
Sheet 2 of 2

Field Location of Boring: Northeast corner of site, adjacent to grease trap

Ground Elev.: 7.03 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 Inches
Casing Installation Data see completion diagram

Water Level	10'					
Time	9:12					
Date	08/09/89					

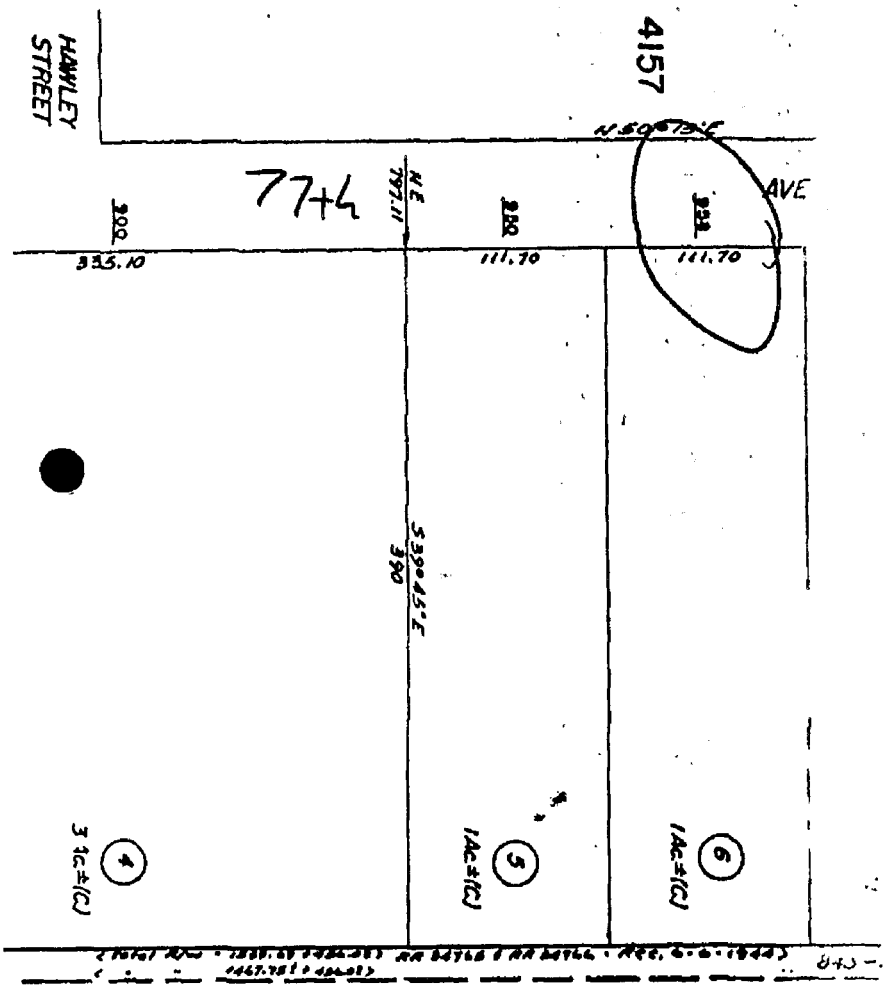
Blow Counts	PID / OVA	DEPTH	SAMPLE	Soil Group Symbol (uscs)	Litho-Graphic Symbol	DESCRIPTION
		15'				
3			x	CL		Clay, yellowish brown, trace fine to medium sand, high plasticity,
8			x			saturated
		16'				
15			x			
		17'				
		18'				
		19'				
		20'		SW		
11			x			
14			x			Sands, yellowish brown, sands - fine 30%, medium 50%, coarse 20%,
		21'				
18			x			saturated, very loose
		22'		CL		
						Clay, yellowish brown, trace fine to medium sands, moist, very
						stiff
		23'				
12			x	CL		Clay, yellowish brown, trace fine to medium sands, damp, very stiff
14			x			
18			x			End borehole at 23.2'. Sampling ends at 24.5'

24846bor.log

205326

[redacted]

Drawn: 3-67 E.L. Revised: 3-15-7
5-16-8[illegible]



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

205327

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-3
Sheet 1 of 2

Field Location of Boring: Northeast corner of site, 17.26 feet north of building

Ground Elev.: 6.76 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 inches
Casing Installation Data see completion diagram

Blow Counts	PID / OVA	DEPTH	SAMPLE	Soil Group Symbol (USCS)	Litho-Graphic Symbol		
						Water Level	14.6
						Time	3:00
						Date	08/08/89
						DESCRIPTION	
						3" Asphalt	
		1'				3" Base rock	
		2'				Sandy clay, black, damp, moderate plasticity, stiff, sands - 12%	
						fine to coarse	
		3'		CL			
		4'					
		5'					
2			x			Clay, grey, damp, moderate to high plasticity, stiff	
5			x				
7		6'	x	CL			
		7'					
		8'					
			x			Clay, brownish gray, moderate to high plasticity, stiff, damp	
		9'	x				
			x				
		10'					
				CL			
		11'					
		12'					
		13'					
				CL			
		14'					

24846bor.log

205327

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

LOG OF EXPLORATORY BORING

PROJECT NO. 24846.00 DATE 8/9/89
CLIENT Melfort Property, Chip & Steak
LOCATION 958 - 77th Avenue, Oakland, California
LOGGED BY R. Vorst DRILLER Aqua Science

BORING No MW-3
Sheet 2 of 2

Field Location of Boring: Northeast corner of site, 17.26 feet north of building

Ground Elev.: 6.36 Datum: City of Oakland Datum

Drilling method Hollow-stem Auger
Hole Dia. 8 inches
Casing Installation Data see completion diagram

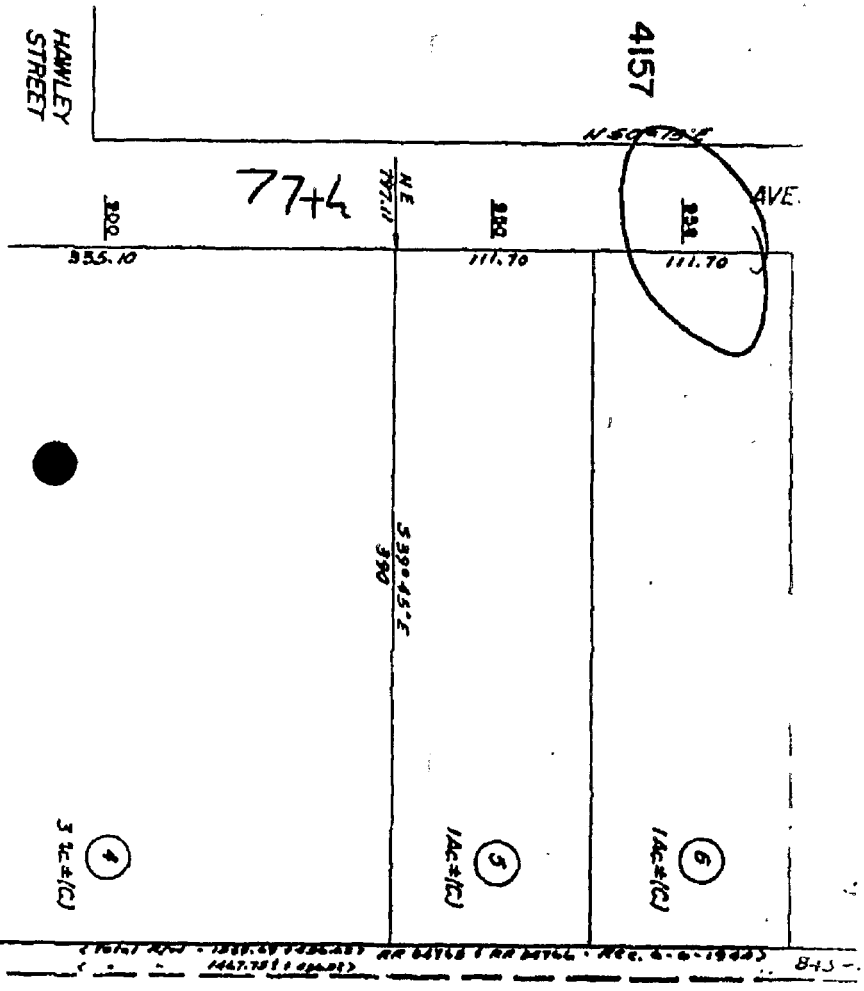
Blow Counts	PID OVA	DEPTH	SAMPLE	Soil Group Symbol (USCS)	Litho-Graphic Symbol	DESCRIPTION
						Water Level 14.6 / Time 3:00 / Date 08/08/89
		15'		CL		
			x			Sandy clay, greyish brown, sands medium - 12%, stiff, damp, moderate
			x			to high plasticity
		16'	x			
		17'				
		18'				
			x			Clay sands, yellowish brown, clay 12%, sands fine to medium
		19'	x			
			x			
		20'				
		21'		CL		Clays, yellowish brown, very stiff, moist, high plasticity
		22'				
		23'				
12			x			Clays, yellowish brown, very stiff, damp, high plasticity
22			x			
25		24'	x	CL		End borehole at 24.5'. Sampling ends at 24.5'

24846bor.log

205327

[redacted]

Drawn: 3-67 E.L. Revised: 3-15-7[illegible]
3-16-8[illegible]



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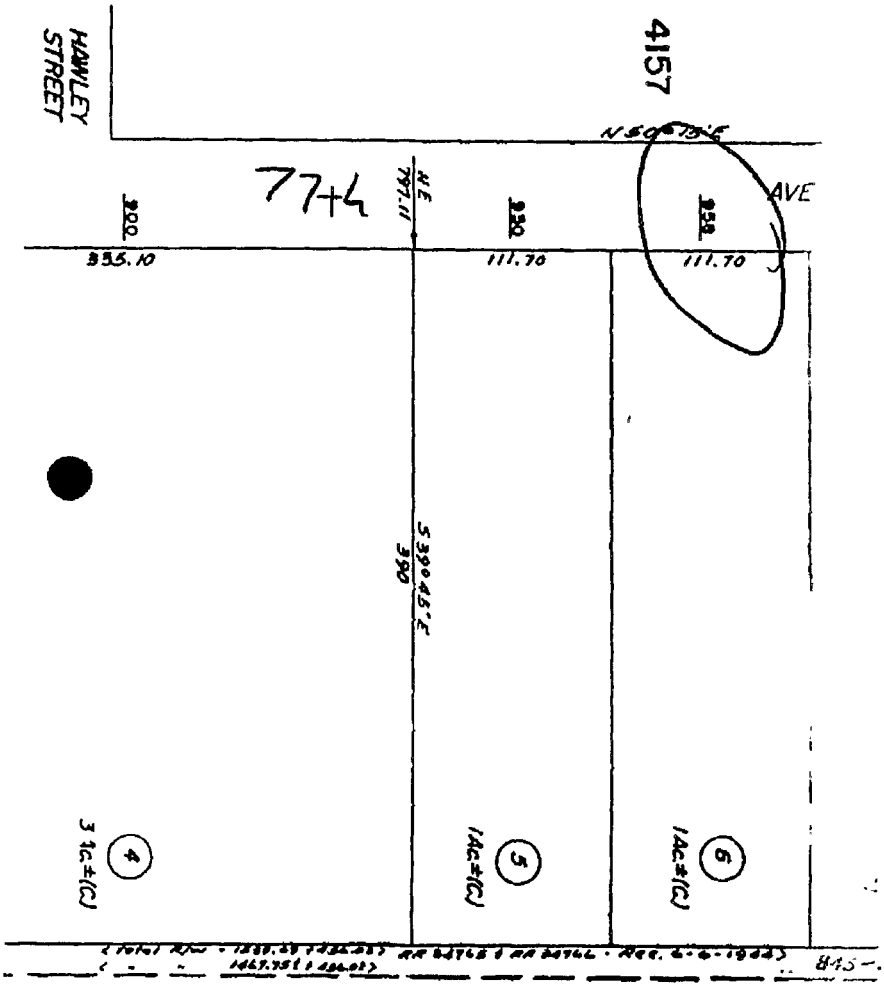
5-16-8

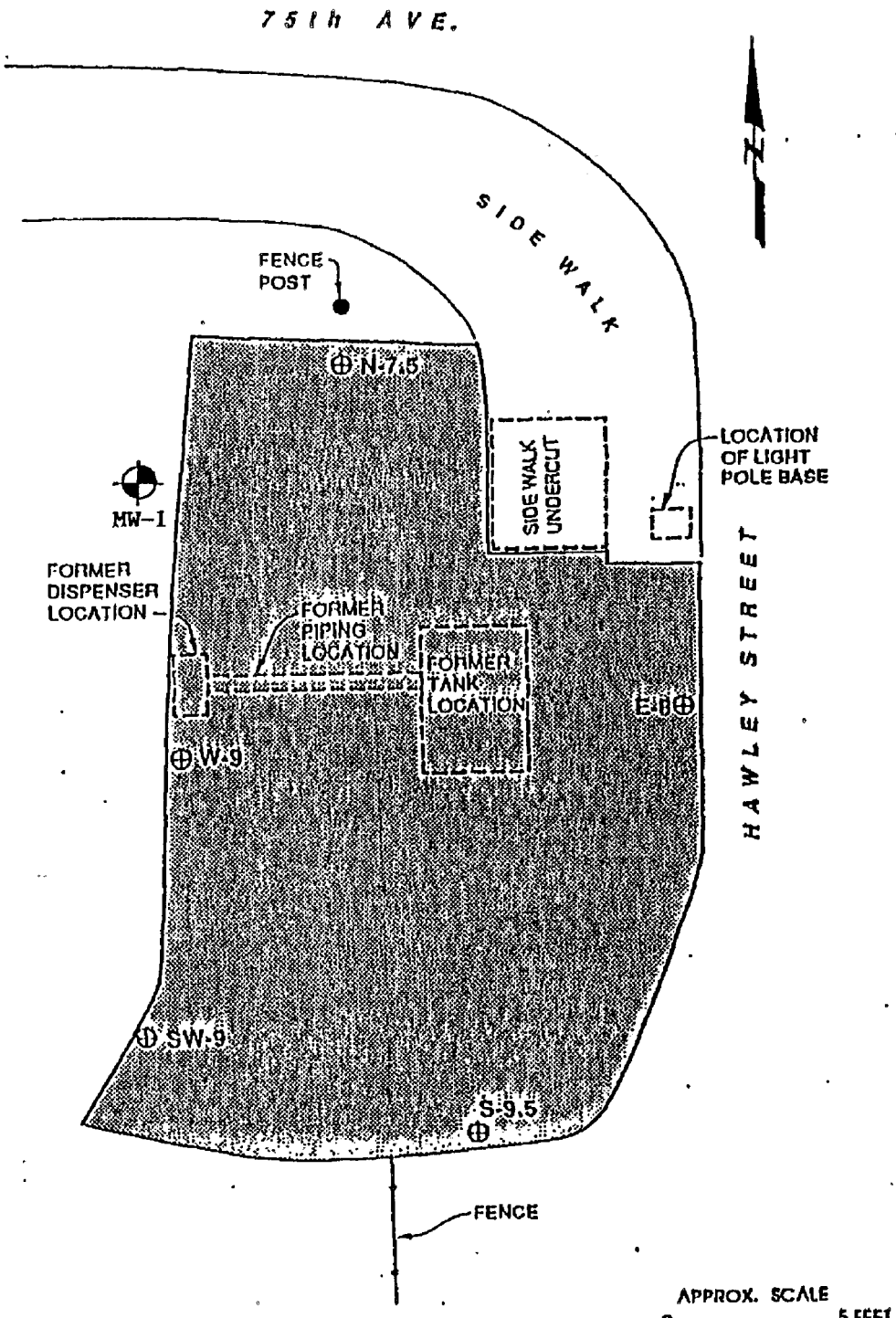


CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

2y3 425450 0250@16R23



SITE PLAN

CHECKED BY AYE

DATE 3-23-92

BY TWB

LEGEND:

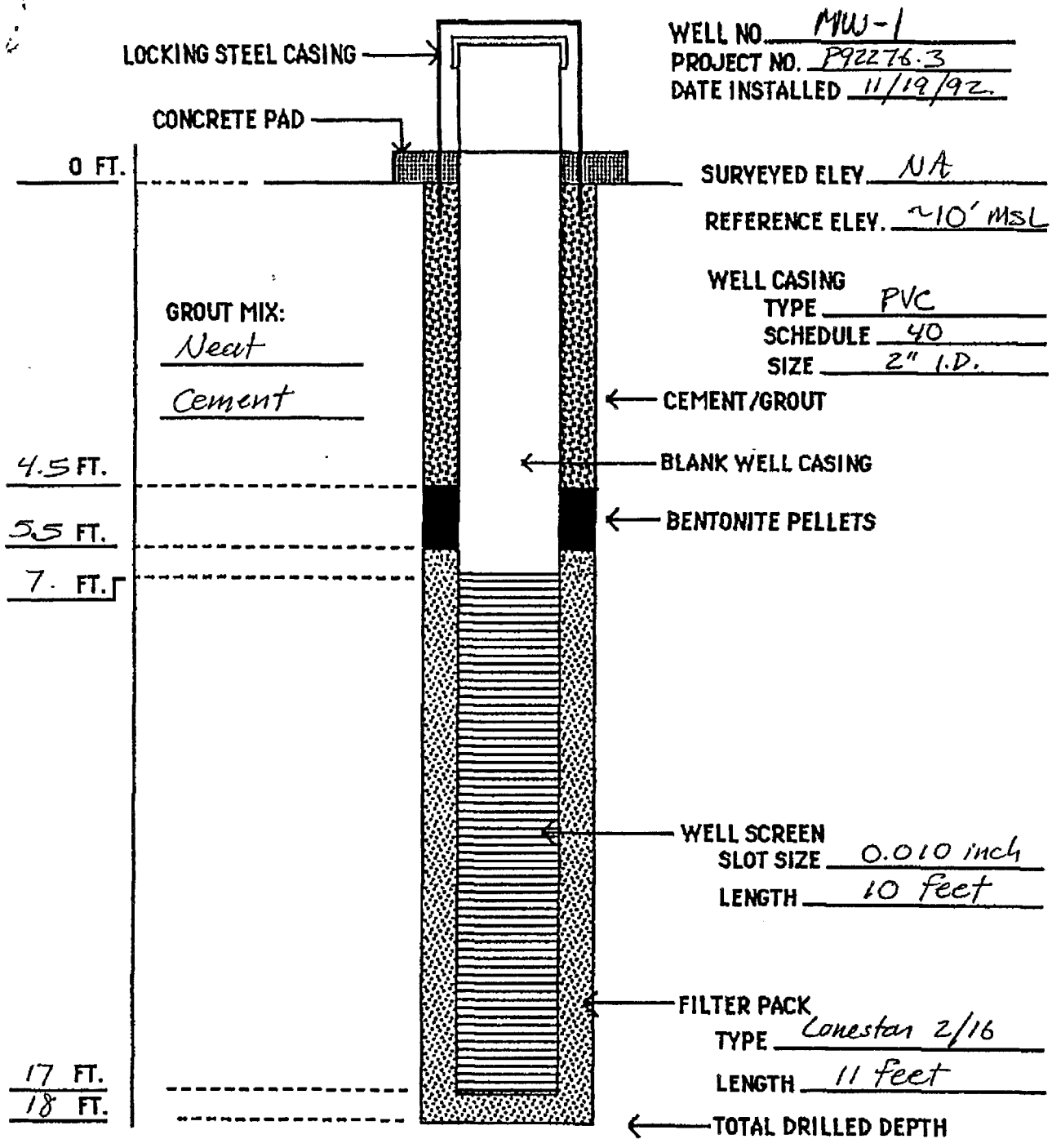
⊕ – Indicates Proposed 4-inch Monitoring Well Location

Base Map: Levine-Fricke, Project No. 1506

BSK Proposal PR92048.3
March 1992
FIGURE: 1

BSK & Associates

393 425450 025030R16R23



REMARKS : _____

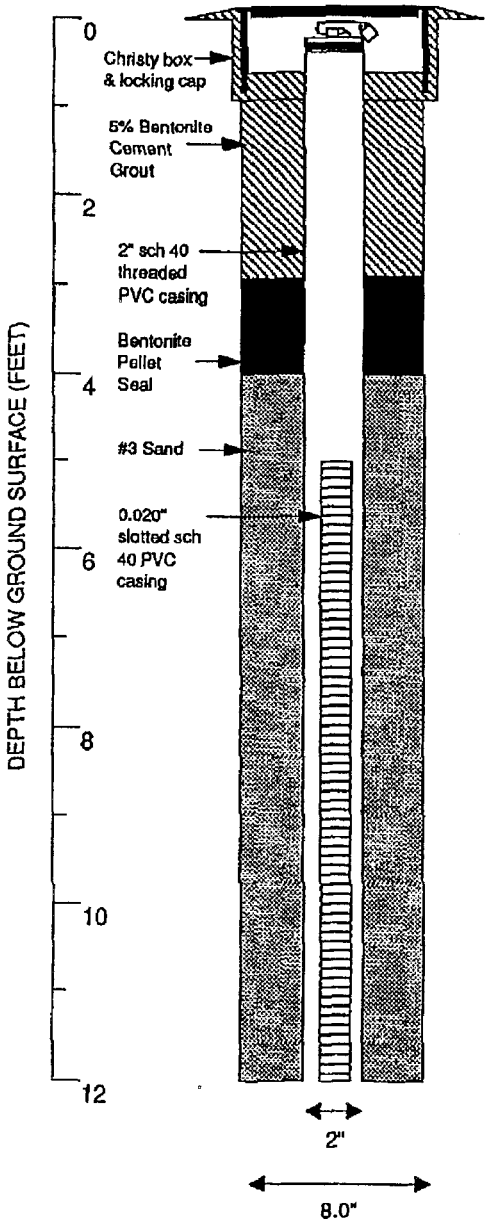
PROJECT NO.	MONITORING WELL INSTALLATION DIAGRAM	BSK & ASSOCIATES
FIGURE:		

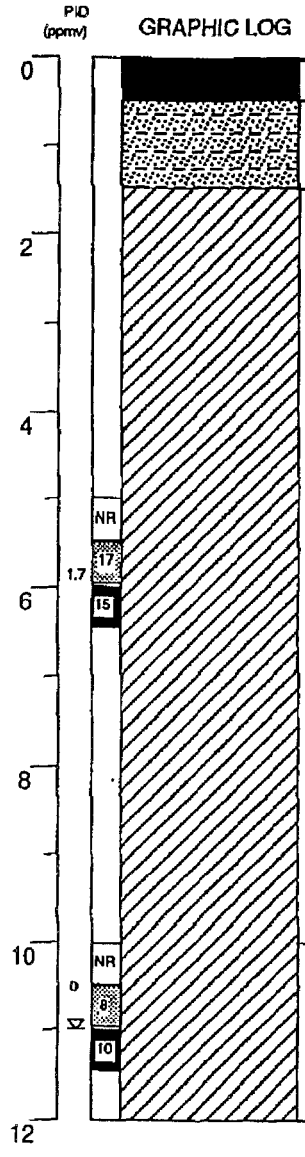
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

480815 25/3W-16R6





DESCRIPTION

Concrete

Gravel-fill
Engineering aggregate base rock (Agg. Base).

Grey silty clay; (CL), red staining in fractures (FeO), dry, medium plastic...

Sample BH1.1 (6.0'- 6.5' BGS)
Grey silty clay; (CL), red staining in fractures (FeO), dry, medium plastic...

Sample BH1.2 (11.0'-11.5' BGS).
Light brown, pebbly, medium sandy, clay ; (CL), very moist, medium plastic.

Continues

Logged by:	Matthew Walraven	Drilling Company:	Gregg Drilling & Testing, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Barney Chan	Drilling Method:	Mobile B-61	Type of Sampler:	California Split Spoon
Dates Drilled:	4/8/92	Driller:	Chris St. Pierre	TD (Total Depth):	20.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-1 (Boring B-1)

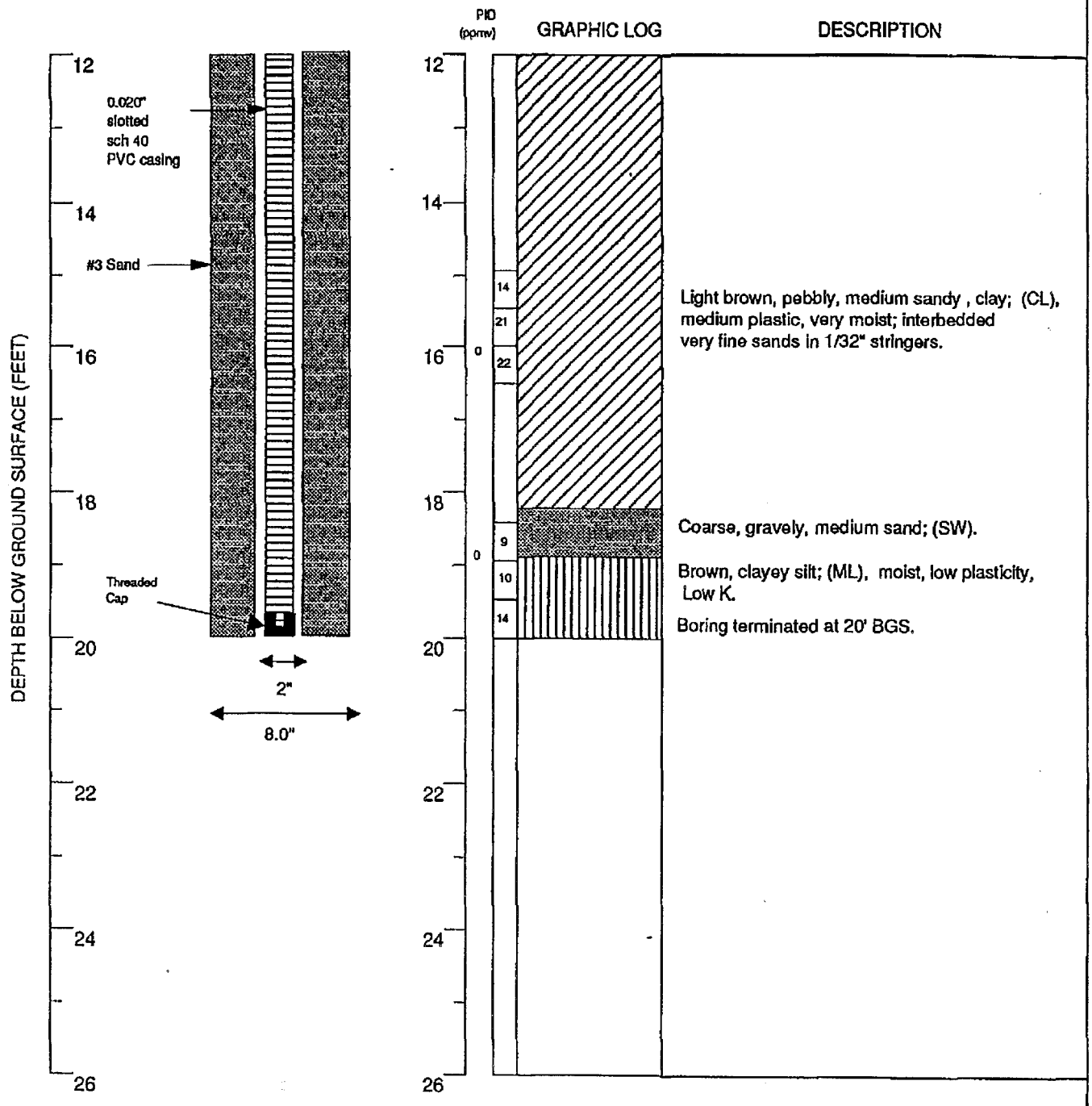
Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
1

ARTESIAN ENVIRONMENTAL CONSULTANTS
100 SHORELINE HIGHWAY #295B, MILL VALLEY, CALIFORNIA 94941 (415) 381-6456

022-05-01

480815 25/3W-16R8



Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-1 (Boring B-1)

Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
1

ARTESIAN ENVIRONMENTAL CONSULTANTS
100 SHORELINE HIGHWAY #295B, MILL VALLEY, CALIFORNIA 94941 (415) 381-6456

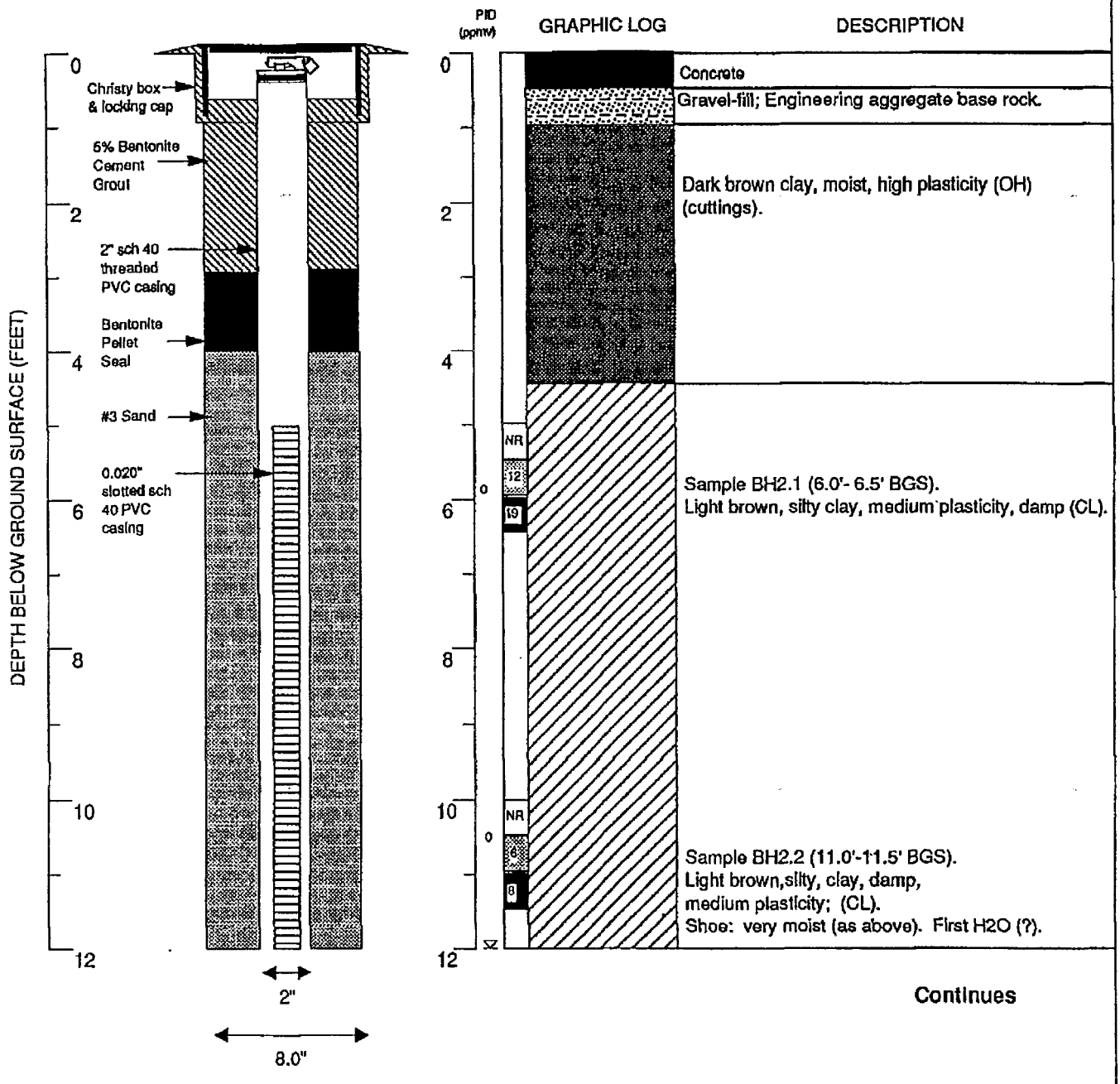
022-05-01

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

480816 2S/3W-16R9



Logged by:	Matthew Walraven	Drilling Company:	Gregg Drilling & Testing, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Barney Chan	Drilling Method:	Mobile B-61	Type of Sampler:	California Split Spoon
Dates Drilled:	4/8/92	Driller:	Chris St. Pierre	TD (Total Depth):	20.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-2 (Boring B-2)

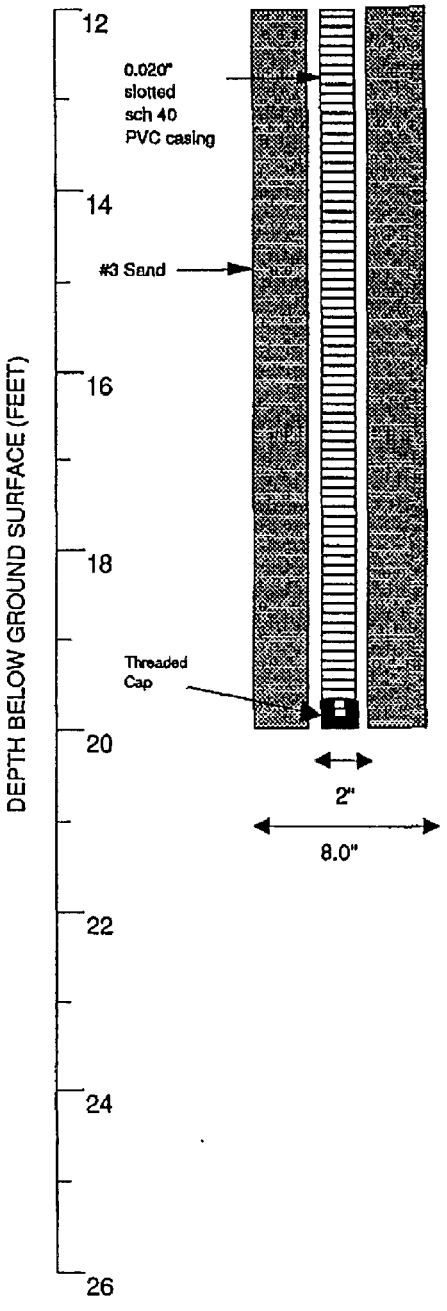
Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
2

ARTESIAN ENVIRONMENTAL CONSULTANTS
100 SHORELINE HIGHWAY #295B, MILL VALLEY, CALIFORNIA 94941 (415) 381-6456

022-05-01

480816 2S/3W-16R9



PID (ppmv)	GRAPHIC LOG	DESCRIPTION
		Light brown,silty, clay, damp, medium plasticity; (CL). Shoe: very moist (as above). First H2O (?).
5		Light brown,silty clay, (CL), very moist, medium plasticity.
6		Low K/Light brown, clayey, fine sand, wet, low plasticity.
0 11		Medium K (SC)/Light brown, clayey, very fine sandy, silt. Low plasticity, low K (SC).
11		Light brown, silty clay, medium plasticity, moist (CL).
14		Medium K/gravelly clay, moist. Medium plasticity, (CL), low K.
19		Boring terminated at 20' BGS.

Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-2 (Boring B-2)

Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
2

ARTESIAN ENVIRONMENTAL CONSULTANTS
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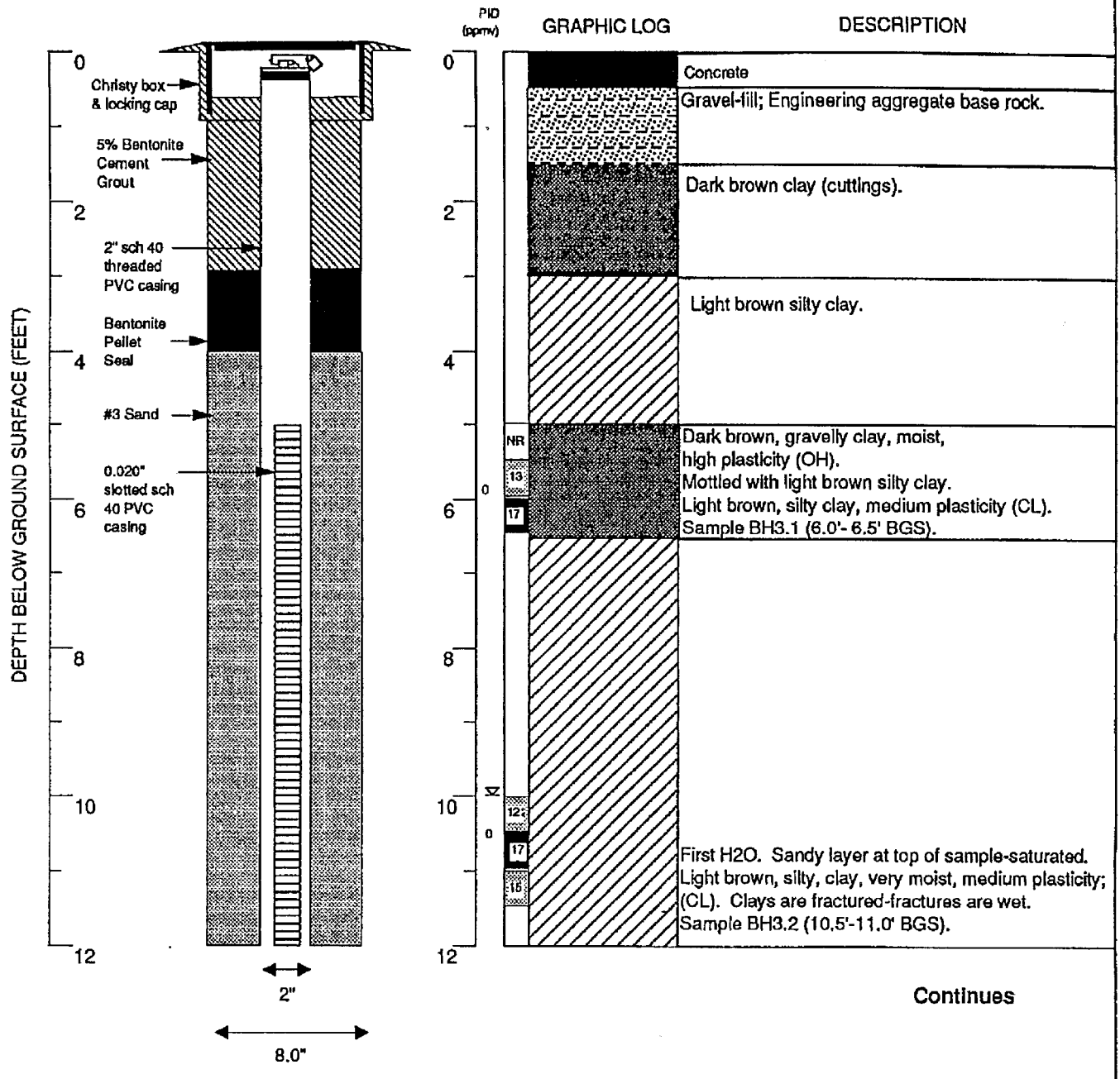
022-05-01

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

480817 25/3W-16E 10



Logged by:	Matthew Walraven	Drilling Company:	Gregg Drilling & Testing, Inc.	Well Head Completion:	Christy box & locking cap
Inspector:	Barney Chan	Drilling Method:	Mobile B-61	Type of Sampler:	California Split Spoon
Dates Drilled:	4/8/92	Driller:	Chris St. Pierre	TD (Total Depth):	20.0 ft.

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample
- Contacts: Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary
- NR — No recovery

Boring Log and Well Completion Details
MW-3 (Boring B-3)

Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
3

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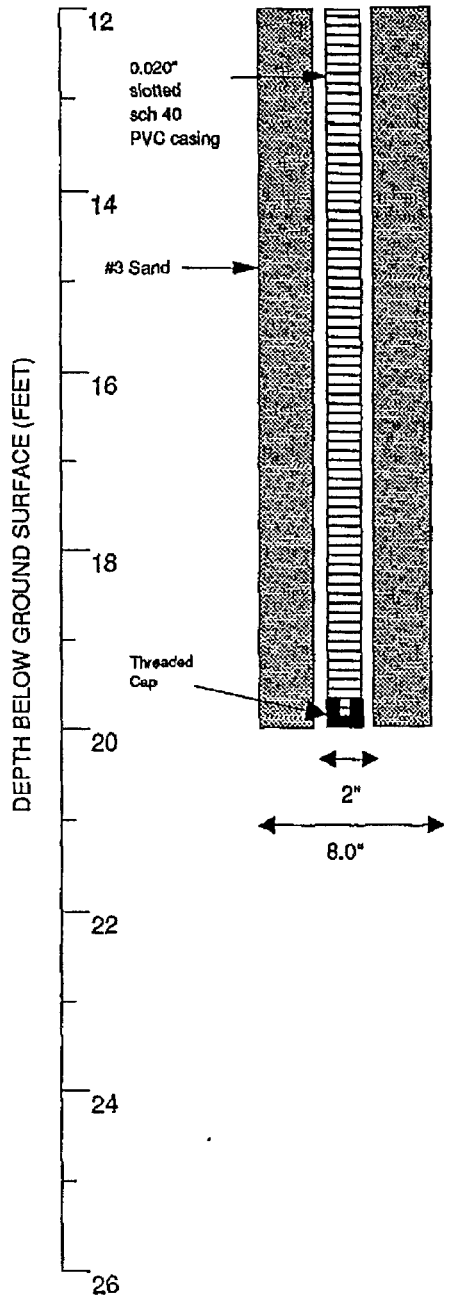
022-05-01

480817 2S/3W-16R10



PID (ppmv)	GRAPHIC LOG	DESCRIPTION
		Light brown,silty, clay, very moist, medium plasticity; (CL).
5		
7		Light brown,well consolidated, silty clay, (CL), moist medium plasticity.
0 9		Light brown, gravelly, clayey, silt, wet, low plasticity, (ML).
5		Light brown, gravelly silty clay, wet fractures, medium plastic, (CL).
6		
8		Boring terminated at 20' BGS.

Final Page

EXPLANATION

- Water level in completed well
- Water level during drilling
- Location of drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab sample

Contacts:
- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational

est K — Estimated permeability (hydraulic conductivity) 1K = primary 2K = secondary

NR — No recovery

Boring Log and Well Completion Details
MW-3 (Boring B-3)

Wells Fargo/Samura Trust
860 81st Avenue
Oakland, California

MONITOR WELL
3

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480815-480817

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS — MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS — MORE THAN 50% OF COARSE FRACTION PASSING NO 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS — MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS — LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS — LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

KEY TO LOG OF BORINGS

SAMPLES & BLOWCOUNTS		LABORATORY TESTS	
30	HAMMER BLOWS PER FOOT OF PENETRATION	AL	ATTERBERG LIMITS TEST
■	INDICATES UNDISTURBED SAMPLE	DSCU	DIRECT SHEAR TEST (Consolidated, Undrained)
⊠	INDICATES DISTURBED SAMPLE	CBR	CALIFORNIA BEARING RATIO TEST
◪	STANDARD PENETRATION TEST SAMPLE	COMP	COMPACTION TEST
NR	INDICATES NO RECOVERY	CON	CONFINED COMPRESSION (Consolidation Test)
	SAMPLES DRIVEN WITH A 140-POUND HAMMER DROPPING 30 INCHES	-200	PERCENT PASSING NO. 200 SIEVE (Test Results in Parentheses)

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MILL VALLEY, CA 94941 (415) 381-6456

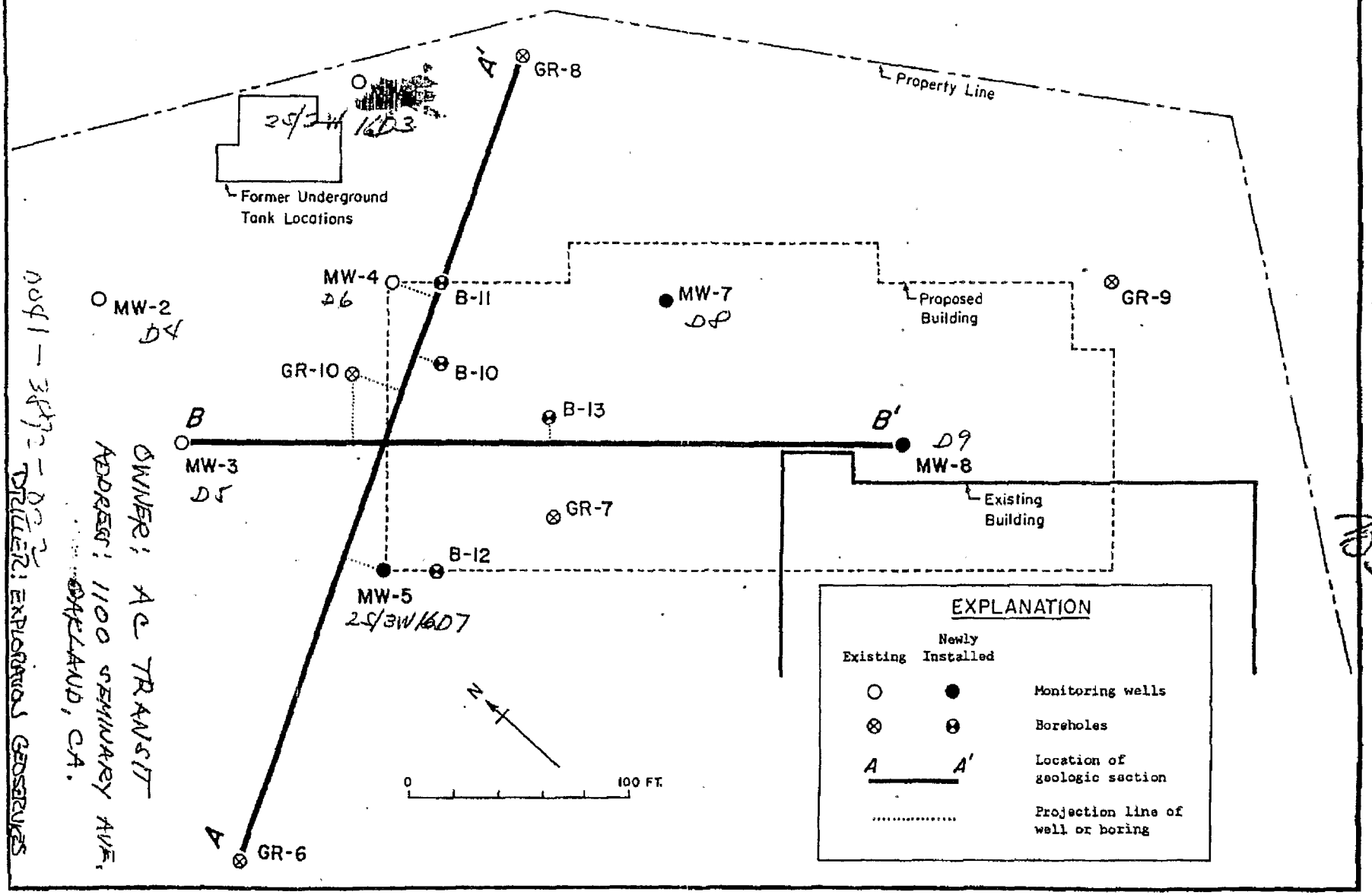

Figure 1. Location of Boreholes, Monitoring Wells, and Geologic Section - AC Transit Facility, Oakland, CA.