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**A REPORT DOCUMENTING THE
ADVANCEMENT OF ELEVEN
EXPLORATORY SOIL PROBES**

Beneath the site at:


**341 MONTGOMERY STREET
SAN JOSE, CA**

AUGUST 2000


**A REPORT DOCUMENTING THE
ADVANCEMENT OF ELEVEN
EXPLORATORY SOIL PROBES**

Beneath the site at:

**341 N. MONTGOMERY STREET
(Owned by Levin Enterprises)
SAN JOSE, CA**


Helen Maywhipney
Environmental Specialist

8-28-00
Date


Kenneth L. Meleen
CA Licensed Civil Engineer #CO17487
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Licenses Expire 06/30/2001



August 26, 2000
Date

AUGUST 2000

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1.1 INTRODUCTION

This report describes the field work and results of the advancement of five (5) exploratory soil borings, proximate to of the 6,000-gallon gasoline underground storage tank (UST), and six (6) soil borings proximate to of the former 15,000-gallon heating oil UST located beneath the site at 341 N. Montgomery Street, San Jose, CA. The site location is shown in the map of Appendix A – Maps, Figure 1.

2.0 EXECUTIVE SUMMARY

The field work for this Remedial Investigations (RI) was performed on July 17 and 18, 2000. Eleven (11) soil probes were advanced using Geoprobe® equipment.

The soil profile is comprised of a surficial layer (about 5-feet) of sandy fill, underlain by fine grained silt and clay. Thin lenses of fine to medium sand appear in the 15-20 foot zone, and these provided the initial encounter with groundwater. Groundwater stabilized at about ten feet (10') below grade. Soil probe elevations and groundwater depths were obtained, but the depth to water information was not deemed reliable enough to form a basis for determining groundwater flow direction and gradient.

Soil samples from the 6,000-gallon UST site indicated no detectable Total Petroleum Hydrocarbons as Gasoline (TPHg), Benzene, Toluene, Ethyl Benzene or Total Xylenes (BTEX compounds), or Methyl tert-Butyl Ether (MTBE). Only the groundwater sample from GP-4 indicated any of these contaminants, with TPHg present at a concentration of 54.0 ug/L.

At the former 15,000-gallon heating oil UST site, only one sample (GP-9 at 16-feet) had noticeable odor, and chemical analysis detected 1060.0 mg/kg of Total Petroleum Hydrocarbons as Diesel (TPHd). None of the other soil samples had detectable TPHd or BTEX compounds. The groundwater sample from GP-9 had TPHd at 93.0 ug/L. Groundwater from GP-11, located twenty-five feet (25') downgradient from GP-9, had TPHd at 1370.0 ug/L. None of the other groundwater samples in this UST area had detectable TPHd, BTEX compounds or MTBE.

The minimal concentrations of TPHg, and the absence of BTEX compounds and MTBE at the 6,000-gallon UST site suggest that there is no significant potential impact to groundwater. It appears most of the contaminants originally detected beneath the UST were successfully removed by the overexcavation effort.

Likewise, the minimal concentrations of TPHd in soil and groundwater, and the absence of BTEX compounds and MTBE at the former 15,000-gallon heating oil UST site suggest that minor concentrations of TPHd pose minimal threat to the groundwater. Considering these factors, we believe this investigation has produced sufficient documentation of site residual conditions to allow this case to be closed.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

3.1 Underground Storage Tank Removal and Sampling

On November 12, 1993, two underground storage tanks (USTs) were removed from the above referenced site. These were one 6,000-gallon gasoline UST and one 15,000-gallon heating oil UST.

3.1a Tank A (6,000-gallon gasoline UST)

Upon tank removal, the following observations were noted, the tank was a 6,000-gallon single wall gasoline fuel UST. Rust and pitting were noticed, however no holes were visible upon removal of the tank. Product odor and discoloration were detected at the fill end of the tank, within the native soil and fill material.

Two soil samples were collected, within the native soil, one to two-feet beneath each end of the tank. These were designated as sample ATPF1 and ATPF2. Groundwater was not encountered within the tank pit cavity. The analytical results for this sampling event are presented in Table I.

TABLE I

**ORIGINAL TANK A REMOVAL
SOIL SAMPLE ANALYTICAL RESULTS**
Total Petroleum Hydrocarbons as Gasoline with
Benzene, Toulene, Ethlybenzene, and Xylenes -
November 12, 1993

Sample #	TPHg <u>mg/Kg</u>	Benzene <u>ug/Kg</u>	Toluene <u>ug/Kg</u>	Ethyl Benzene <u>ug/Kg</u>	Total Xylenes <u>ug/Kg</u>
ATPF1	ND	ND	ND	ND	ND
ATPF-2	19.0	ND	ND	ND	ND

ND = Not detected at the lower detection limit for this constituent

2.1b Tank B (15,000-Gallon Heating Oil UST)

Upon tank removal the following observations were noted: the tank was a 15,000-gallon single wall, heating oil UST. Perforations, rust, and pitting were visible upon removal of the tank. Product odor and discoloration were detected within the native soil.

Three soil samples were collected within one to two-feet of the native soil; one from beneath each end, and one beneath the center of the tank. These were designated as samples BTPF1, BTPF2, and BTPF3. Groundwater was not encountered within the tank pit cavity. The analytical results from the sampling event are presented in Table II.

TABLE II

**ORIGINAL TANK B REMOVAL
SOIL SAMPLE ANALYTICAL RESULTS**

Total Petroleum Hydrocarbons as Diesel - November 12, 1993

Sample #	TPHd <u>mg/Kg</u>
BTPF1	1500.0
BTPF-2	21.0
BTPF-3	1032.0

3.2 Over Excavation of the Former Tanks

On November 18, 1993, over excavation of both Tank Pits A & B were performed and soil samples were collected. These samples were designated as 2ATPF1 and 2ATPF2 from Tank Pit A and 2BTPF1, 2BTPF2, 2BTPF3, 2BSW1, and 2BSW2 from Tank B. The analytical results for this sampling event are presented in Table IIIa and IIIb..

TABLE IIIa

**OVER EXCAVATION OF TANK PIT A
SOIL SAMPLE ANALYTICAL RESULTS**

Total Petroleum Hydrocarbons as Gasoline with
Benzene, Toulene, Ethlybenzene, and XyleneS -
November 18, 1993

Sample #	TPHg <u>mg/Kg</u>	Benzene <u>ug/Kg</u>	Toluene <u>ug/Kg</u>	Ethyl Benzene <u>ug/Kg</u>	Total Xylenes <u>ug/Kg</u>
2ATPF1	732.0	ND	ND	ND	ND
2ATPF-2	1.0	ND	ND	ND	ND

ND = Not detected at the lower detection limit for this constituent

TABLE IIIb

**OVER EXCAVATION OF TANK PIT B
SOIL SAMPLE ANALYTICAL RESULTS**

Total Petroleum Hydrocarbons as Diesel - November 18, 1993

Sample #	TPHd <u>mg/Kg</u>
2BTPF1	ND
2BTPF2	ND
2BTPF3	ND
2BSW1	ND
2BSW2	ND

ND = Not detected at the lower detection limit for this constituent

3.3 Further Excavation Sampling

On December 9, 1993, further excavation and sampling of was performed on the subject site beneath the formerly removed Tank A. The tank pit previously contained a 6,000-gallon gasoline fuel UST. Samples were collected from within the excavation site. These samples were designated as 3ATP1-2, 3ASW1-3, 3AZSW1-3, and XASW3 (this sample was collected on December 20, 1993). The analytical results are presented in Table IV.

TABLE IV

**FURTHER EXCAVATION OF TANK PIT A
SOIL SAMPLING ANALYTICAL RESULTS**

Total Petroleum Hydrocarbons as Gasoline with
Benzene, Toulene, Ethlybenzene, and Xylenes -
December 9, 1993

Sample #	TPHg mg/Kg	Benzene ug/Kg	Toluene ug/Kg	Ethyl Benzene ug/Kg	Total Xylenes ug/Kg
3ATP1	ND	ND	ND	ND	ND
3ATP2	ND	ND	ND	ND	ND
3ASW1	ND	ND	ND	ND	ND
3ASW2	ND	ND	ND	ND	ND
3ASW3	2.0	ND	ND	ND	ND
3AZSW1	ND	ND	ND	ND	ND
3AZSW2	1,003.0	ND	ND	ND	ND
3AZSW3	36.0	ND	ND	ND	ND
XASW3	ND	ND	ND	ND	ND

*(sampled 12/20/93)

ND = Not Detected at lower detection limit for this compound

4.0 SCOPE OF SERVICES

4.1 Objective

The objective of advancing five (5) soil probes in the area of the 6,000-gallon gasoline underground storage tank (Tank A), and six (6) soil probes in the area of the 15,000-gallon heating oil underground storage tank (Tank B), beneath the site at 341 N. Montgomery Street, San Jose, California was to attempt to determine the extent to which soil and groundwater may have been impacted by contaminants related to the UST operation.

A Work Plan (Greensfelder & Associates) delineating the manner in which this investigation would meet the Santa Clara Valley Water District (SCVWD) requirements was prepared and submitted in January 2000. A Work Plan Addendum (Kenneth L. Meleen) was submitted June 20, 2000. The work involved subsurface exploration using a Geoprobe® equipment, collecting continuous soil samples, collecting groundwater samples, and analyzing selected samples for petroleum hydrocarbons of interest. Soil samples of greatest interest to the SCVWD were those immediately above, and immediately below the static groundwater levels.

4.2 Site Information

Site Description

This site is located in an older industrial area of San Jose. The site lies immediately southeast of the main track of the Southern Pacific Railroad. The land slopes gently to the north, and the groundwater flow direction also is believed to be to the northwest, towards San Francisco Bay.

The northerly part of the site, where the 6,000-gallon UST was located, is presently used as the yard area for Landgrow Landscaping. The area proximate to the 15,000-gallon heating oil UST is developed with a raised floor warehouse building, presently used for repair and painting of medium to large trucks and busses.

Subsurface Conditions

The upper five feet (5') is comprised of fill, consisting of sand and silt. Portions of the site are capped with an aggregate base, while other areas explored were capped with a concrete floor slab. Native soil underlying the fill is fine grained silt and silty clay. Generally within a zone 15 to 20 feet below grade, there appears thin to several feet thick lenses of fine to medium sand and sandy silt. This zone of permeable material is saturated, and was where groundwater was first encountered. Groundwater later stabilized at about ten feet (10') below grade.

The subterranean channel hypothesized to exist west of the former 6,000-gallon UST, was actually determined to be on the east side of this UST location. Soil probe GP-3, on the west side of the UST, encountered fine grained clay and silt to the maximum thirty foot (30') depth explored. Contrarily, soil probe GP-1 on the east side of the UST, encountered gravel at twenty-nine feet (29'), and this formation continued to the bottom of the forty foot (40') depth explored.

The probe holes were surveyed to determine their surface elevation. An electronic water level monitoring device was used to determine depth to water for those probes near the 6,000-gallon UST. However, this data was not deemed accurate enough to use in calculating true flow direction and gradient. Most of the probe holes at the south end of the property were closing up so fast that we had to place a temporary casing to obtain the water samples, and this phenomena precluded obtaining accurate final depth to water information.

Geology

The geological materials beneath the site have been mapped by Helley and Brabb (1971) as being recent (about 11,000 years old or less) fluvial deposits. These deposits consist of alternating layers of silts, sands, clays and sandy gravels which were likely deposited in stream channels and floodplain areas of stream that flowed into South San Francisco Bay. The natural local topography slopes gently towards the northeast.

4.3 Health and Safety Plan

A Health and Safety Plan was prepared to guide the field crew in handling potentially hazardous materials, to discuss potential site and work hazards, and to identify the nearest emergency health care facility. These issues were discussed in a Tailgate Safety Meeting prior to initiation of field work.

4.4 Exploration

Environmental Control Associates (ECA) of Aptos, California was engaged to perform field exploration using Geoprobe® equipment. Soil borings were advanced using truck-mounted hydraulic equipment to push and/or hammer, the Geoprobe® sampler into the undisturbed soil. Continuous soil samples were retrieved in clear plastic liners, so as to allow continuous profiling of the lithologic column. The soil borings were logged in the field by a State Licensed Geotechnical Engineer, using the Unified Soil Classification System. Soil boring logs are presented in Appendix C, attached.

Samples from selected intervals were cut from the clear plastic liners. The ends of the sample liners were capped with Teflon and tightly fitting plastic caps, and the soil samples were labeled with the project number, date, and time of collection, depth interval, company and sampler ID. Pertinent data was entered onto a Chain of Custody (COC) document. The samples were then placed in a cooler on ice, pending transport to an analytical laboratory.

Groundwater samples were collected by lowering a clean ½ -inch stainless steel bailer into the hole, and retrieving a groundwater sample. This process was repeated, and the bailer was decanted into two 40-ml Volatile Organic Analysis bottles (VOA's) and one (1) amber one-liter bottle. These samples were labeled, dated, entered onto the Chain of Custody (COC) and placed in a cooler on ice.

The 2-inch diameter holes were backfilled with neat cement.

4.5 Chemical Analyses

The samples were transported to Excelchem Environmental Labs of Roseville, California, a State-certified hazardous materials analytical laboratory, under chain of custody.

Selected samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg) and Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) using EPA Method 5020/8015, Volatile and Halogenated Hydrocarbons using EPA Method 8260, Total Petroleum Hydrocarbons as Diesel (TPHd), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), and MTBE using EPA Method 8015 modified, Total Oil & Grease (TOG) using EPA Method 5520.

4.6 Analytical Results

The analytical results are presented below for each constituent.

TABLE Va
TANK A – FORMER GASOLINE UST SOIL SAMPLING
ANALYTICAL RESULTS - July 17, 2000

Sample & Depth	TPHg mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg
GP-1 @ 12.0'	ND	ND	ND	ND	ND
GP-1 @ 16.0'	ND	ND	ND	ND	ND
GP-1 @ 19.0'	ND	ND	ND	ND	ND
GP-1 @ 40.0'	ND	ND	ND	ND	ND
GP-2 @ 12.0'	ND	ND	ND	ND	ND
GP-2 @ 16.0'	ND	ND	ND	ND	ND
GP-2 @ 20.0'	ND	ND	ND	ND	ND
GP-2 @25.0'	ND	ND	ND	ND	ND
GP-3 @ 30.0'	ND	ND	ND	ND	ND
GP-3 @ 12.0'	ND	ND	ND	ND	ND
GP-3 @ 16.0'	ND	ND	ND	ND	ND
GP-3 @ 20.0'	ND	ND	ND	ND	ND
GP-3 @ 25.0'	ND	ND	ND	ND	ND
GP-4 @ 12.0'	ND	ND	ND	ND	ND
GP-4 @ 16.0'	ND	ND	ND	ND	ND
GP-4 @ 20.0'	ND	ND	ND	ND	ND
GP-4 @ 25.0'	ND	ND	ND	ND	ND
GP-5 @ 12.0'	ND	ND	ND	ND	ND
GP-5 @ 16.0'	ND	ND	ND	ND	ND
GP-5 @ 20.0'	ND	ND	ND	ND	ND
GP-5 @25.0'	ND	ND	ND	ND	ND

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

Na = Sample not analyzed for that constituent.

Analyses performed by EPA Method 8015m/8020.

TABLE Vb
TANK B – FORMER HEATING OIL UST SOIL SAMPLING
ANALYTICAL RESULTS
 July 18, 2000

Sample & Depth	TPHd mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg
GP-6 @ 16.0'	ND	ND	ND	ND	ND
GP-6 @ 20.0'	ND	ND	ND	ND	ND
GP-6 @ 25.0'	ND	ND	ND	ND	ND
GP-7 @ 16.0'	ND	ND	ND	ND	ND
GP-7 @ 20.0'	ND	ND	ND	ND	ND
GP-7 @ 24.0'	ND	ND	ND	ND	ND
GP-8 @ 16.0'	ND	ND	ND	ND	ND
GP-8 @ 20.0'	ND	ND	ND	ND	ND
GP-8 @ 24.0'	ND	ND	ND	ND	ND
GP-9 @ 12.0'	ND	ND	ND	ND	ND
GP-9 @ 16.0'	1060.0	ND	ND	ND	ND
GP-9 @ 20.0'	ND	ND	ND	ND	ND
GP-9 @ 24.0'	ND	ND	ND	ND	ND
GP-10 @ 16.0'	ND	ND	ND	ND	ND
GP-10 @ 20.0'	ND	ND	ND	ND	ND
GP-10 @ 25.0'	ND	ND	ND	ND	ND
GP-11 @ 12.0'	ND	ND	ND	ND	ND
GP-11 @ 16.0'	ND	ND	ND	ND	ND
GP-11 @ 20.0'	ND	ND	ND	ND	ND
GP-11 @ 24.0'	ND	ND	ND	ND	ND

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
 Analyses performed by EPA Method 8015m/8020.

TABLE VIa
TANK A – FORMER GASOLINE UST
GROUNDWATER SAMPLING
ANALYTICAL RESULTS
 July 17, 2000

Sample #	TPHg ug/L	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylenes ug/L	EPA Method 8260* ug/L	1,1, 1- Trichloroethane* ug/L
GP-1 A,B,C	ND	ND	ND	ND	ND	ND	ND
GP-2 A,B,C	ND	ND	ND	ND	ND	Na	Na
GP-3 A,B	ND	ND	ND	ND	ND	Na	Na
GP-3 C,D,E	ND	ND	ND	ND	ND	ND	3.0
GP-4 A,B	54.0	ND	ND	ND	ND	Na	Na
GP-5 A, B	ND	ND	ND	ND	ND	Na	Na

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.
 Na = Sample not analyzed for that constituent.

*All constituents included in EPA Method 8260, including fuel oxygenates, were ND except where noted in the above table for 1,1,1-Trichloroethane.

TABLE VIb

**TANK B – FORMER HEATING OIL UST
GROUNDWATER SAMPLING
ANALYTICAL RESULTS
July 18, 2000**

Sample #	TPHd ug/L	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylenes ug/L	MTBE ug/L
GP-6 A,B	Na	ND	ND	ND	ND	ND
GP-6 C	ND	Na	Na	Na	Na	Na
GP-7 A,B	Na	ND	ND	ND	ND	ND
GP-7 C	ND	Na	Na	Na	Na	Na
GP-8 A,B	Na	ND	ND	ND	ND	ND
GP-9 A, B	Na	ND	ND	ND	ND	ND
GP-9 C	93.0	Na	Na	Na	Na	Na
GP-10 A,B	Na	ND	ND	ND	ND	ND
GP-10 C	ND	Na	Na	Na	Na	Na
GP-11A,B	Na	ND	ND	ND	ND	ND
GP-11 C	1370*	Na	Na	Na	Na	Na

ND = Not Detected. Compound(s) may be present at concentrations below the reporting limit.

*NOTE: Low recovery is due to matrix effect.

Na = Sample not analyzed for that constituent.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The minimal concentrations of TPHg, and the absence of BTEX compounds and MTBE at the 6,000-gallon UST site suggest that there is no significant potential impact to groundwater. It appears most of the contaminants originally detected beneath the UST were successfully removed by the over excavation effort.

Likewise, the minimal concentrations of TPHd in soil and groundwater, and the absence of BTEX compounds and MTBE at the former 15,000-gallon heating oil UST site suggest that minor concentrations of TPHd pose minimal threat to the groundwater. Considering these factors, we believe this investigation has produced sufficient documentation of site residual conditions to allow this case to be closed.

Reviewed by:

Kenneth L. Meleen

Licensed Civil Engineer No. C17487

Licensed Geotechnical Engineer No. GE588

Licenses Expire 06/30/2001

6.0 RELEASE REPORTING

A copy of this report must be forwarded to the Santa Clara Valley Water District and the Regional Water Quality Control Board, San Francisco Bay Region. The addresses are provided for your convenience.

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Attention: Donna Drogos

Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Room #1400
Oakland, CA 94621

APPENDIX A

Figure 1 – Site Location Map

Figure 2 – Tank Location Map

Figure 3 – Original Tank A Removal and Sampling – November 12, 1993

Figure 4 – Original Tank B Removal and Sampling – November 12, 1993

Figure 5 – Excavation and Sampling of Tank A – December 9, 1993

Figure 6 – Excavation and Sampling of Tank A – December 20, 1993

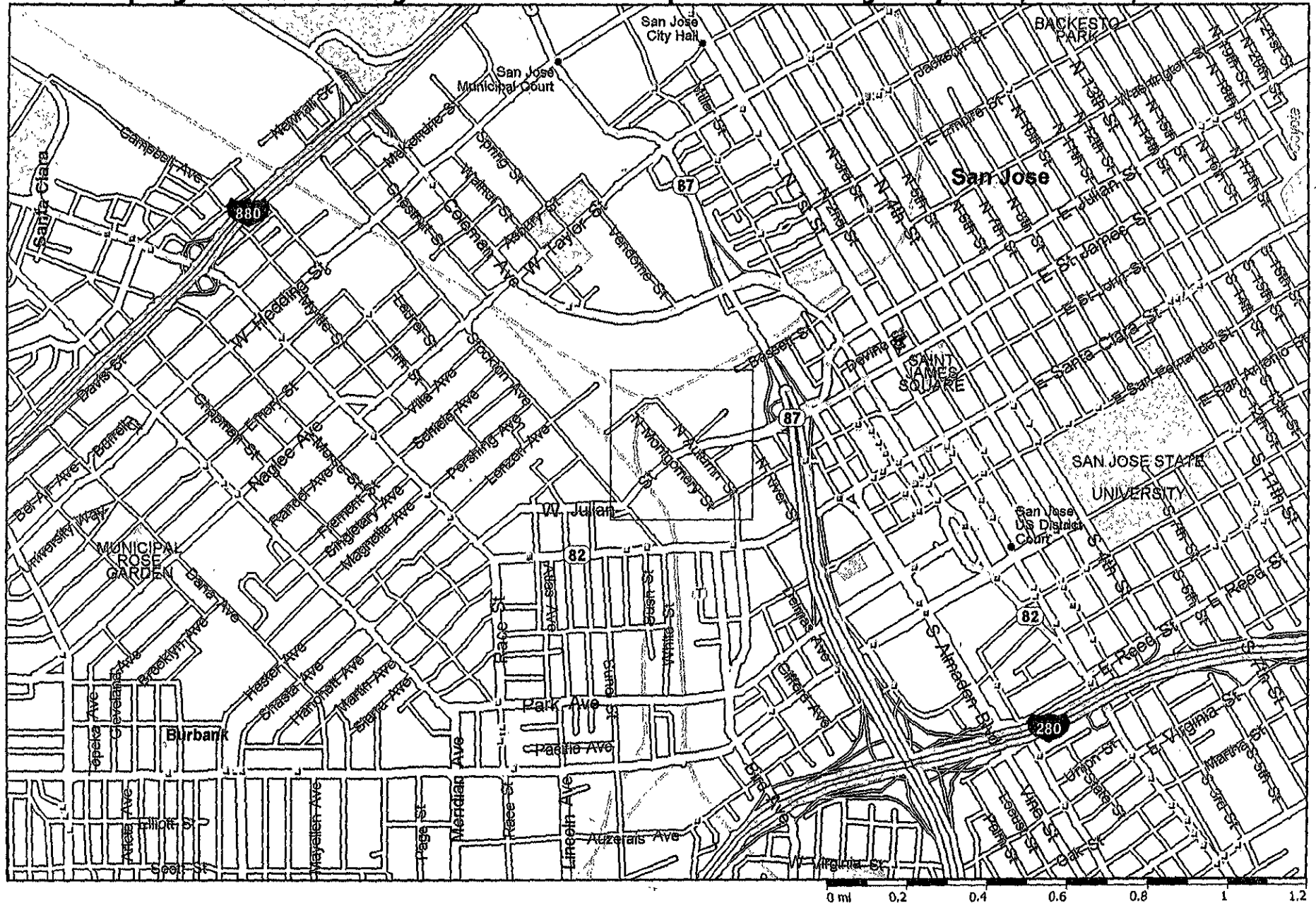
Figure 7 – Ancient Creek Bed

Figure 8 – Cross-Section of Ancient Creek Bed

Figure 9 – Tank A Soil Borings Locations – July 17, 2000

Figure 10 – Tank B Soil Borings Locations – July 18, 2000

Life Springs Environmental Figure 1 - Site Location Map for 341 N. Montgomery Street, San Jose, California



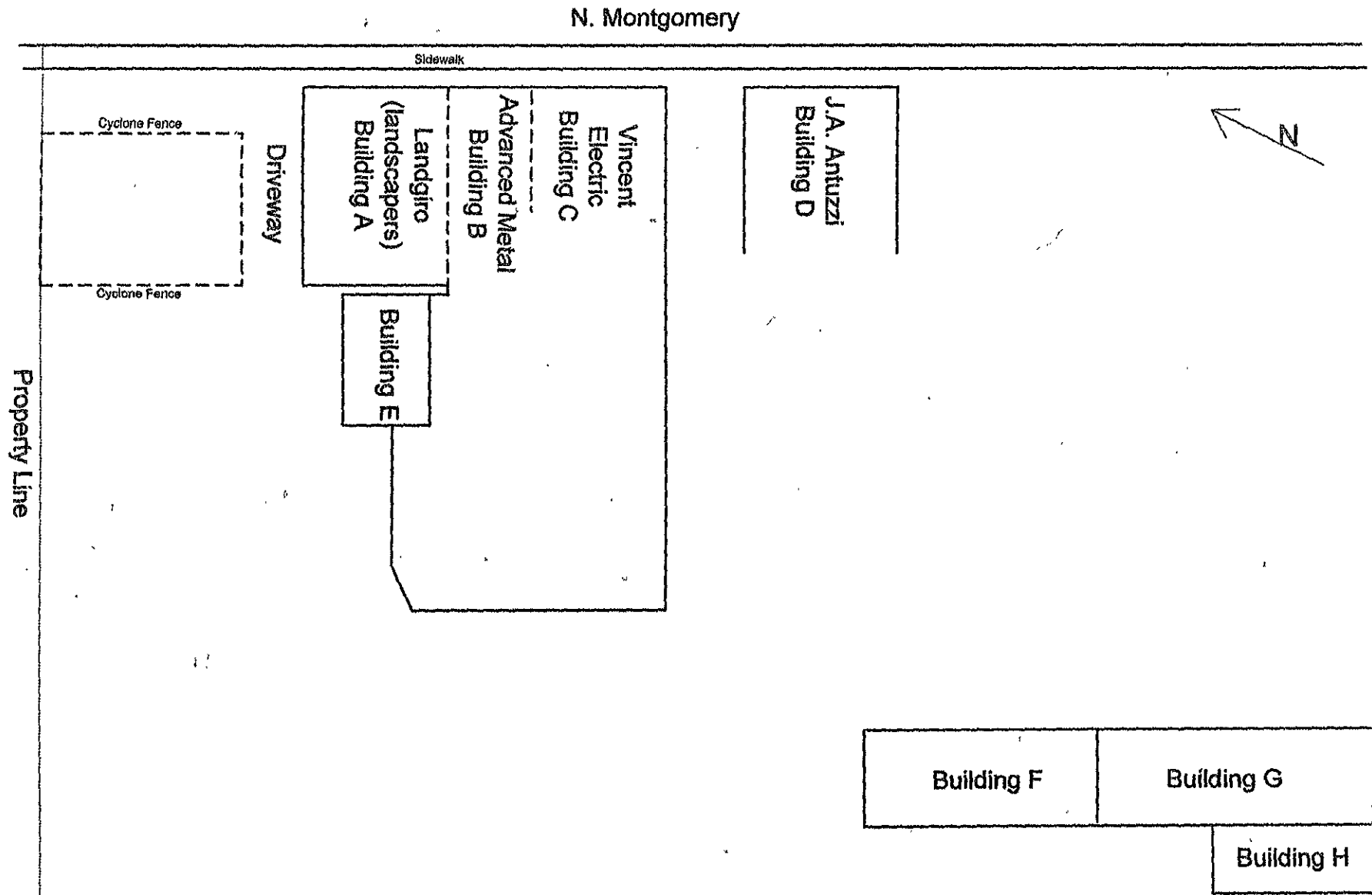
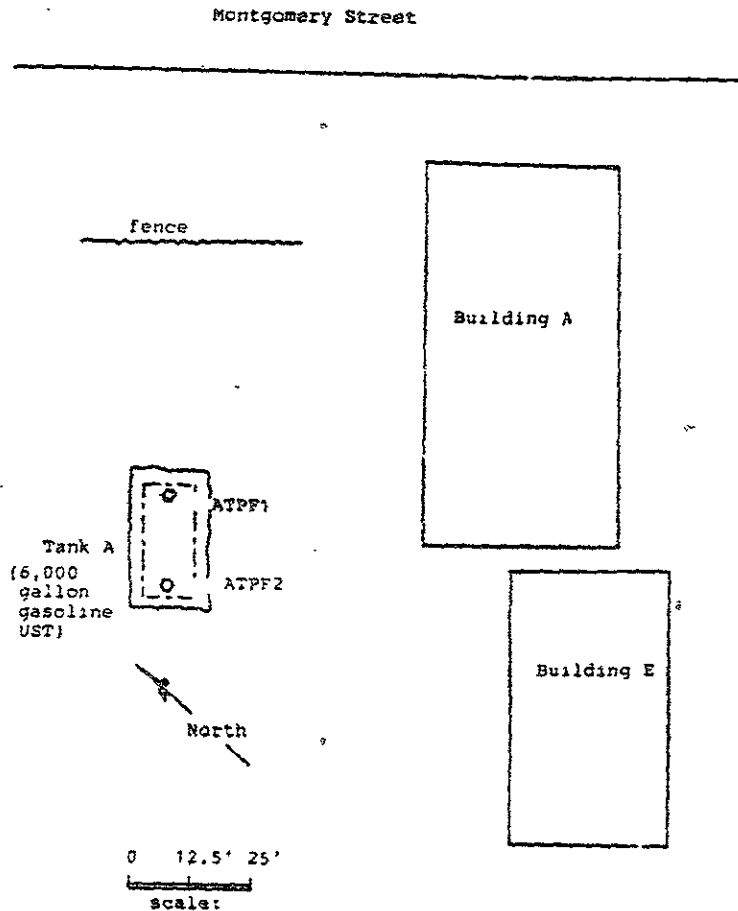


Figure 2 - Entire Site Map

**Life Springs
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**Site:
341 N. Montgomery
San Jose, CA**

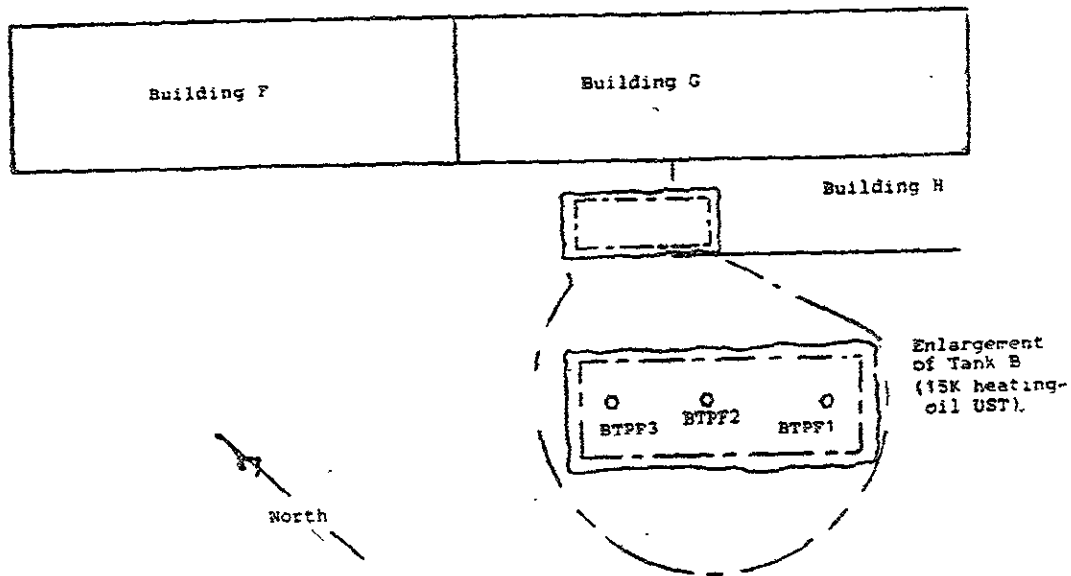
0 60
Scale: feet



**Greensfelder
&
Associates**

**Levin Enterprises
341 Montgomery St.
San Jose, CA**

**Figure. 3 - Original
Tank A Removal &
Sampling - 11/12/93**



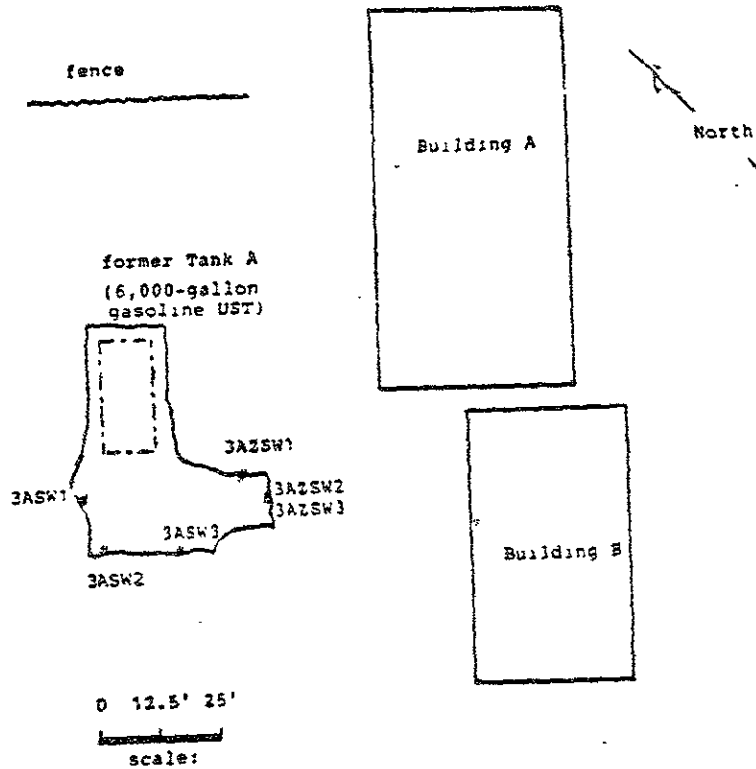
**Greensfelder
&
Associates**

**Levin Enterprises
341 Montgomery St.
San Jose, CA**

**Figure. 4 - Original
Tank B Removal &
Sampling - 11/12/93**

341 Montgomery Street

Sampling Performed on 12/9/93



Greensfelder
&
Associates

Levin Enterprises
341 Montgomery St.
San Jose, CA

Figure. 5- Tank A
Excavation - 12/9/93

341 Montgomery Street

Sampling performed on 12/20/93

fence

Tank Pit A
(former 6,000-gallon
gasoline UST)

Building A

Building B

XASWJ

0 12.5' 25'

scale:

Greensfelder
&
Associates

Levin Enterprises
341 Montgomery St.
San Jose, CA

Figure 6 - Further
Tank A Excavation
12/20/93

341 Montgomery Street

Sampling performed on 12/20/93

fence

Building A

Tank Pit A
(former 5,000-gallon
gasoline UST)

ancient
creek bed

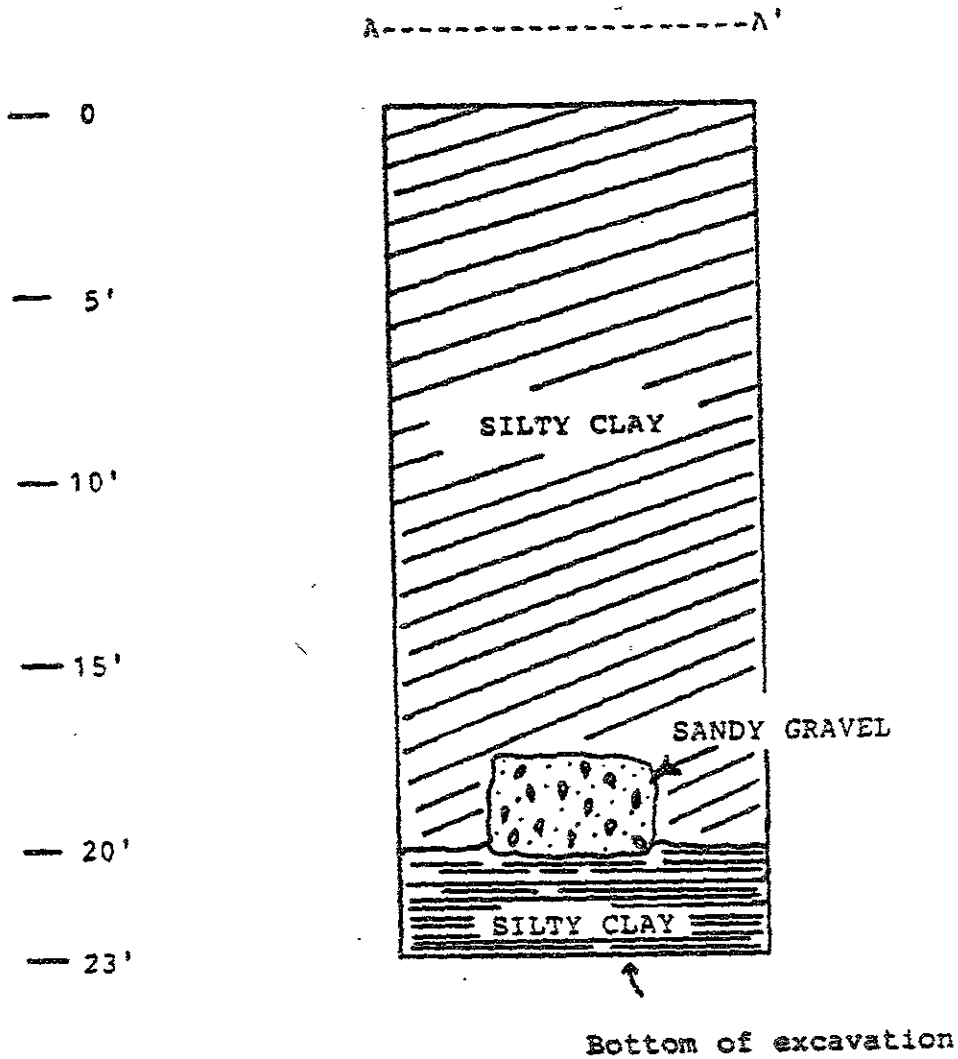
Building B

0 12.5' 25'
scale:

Greensfelder
&
Associates

Levin Enterprises
341 Montgomery St.
San Jose, CA

Figure. 7 -
Ancient Creek Bed



CROSS SECTION (A-A')

**Greensfelder
&
Associates**

**Levin Enterprises
341 Montgomery St.
San Jose, CA**

**Figure. 3 -
Cross-Section of
Ancient Creek Bed**

N. Montgomery



Sidewalk

Cyclone Fence

Driveway

Building A

Property Line

Cyclone Fence

Tank Pit A

Former 6,000-Gallon
Gasoline UST Tank Pit

GP-1
50.45
40.34

GP-5
50.96
41.98

GP-4
51.16
41.83

GP-3
51.16
41.83

GP-2
50.85
40.86

Figure 9 - Tank A - Borings Locations Map

**Life Springs
Environmental, Inc.**

**Site:
341 N. Montgomery
San Jose, CA**

Legend:

• Soil Probe

GP	Probe Number
#	Surface Elevation *
#	Groundwater Elevation *

0 20
Scale: feet

* Elevations are relative - Based upon an assumed elevation of 50.00 feet
for manhole rim in N. Montgomery Street

Corner of building

N. Montgomery

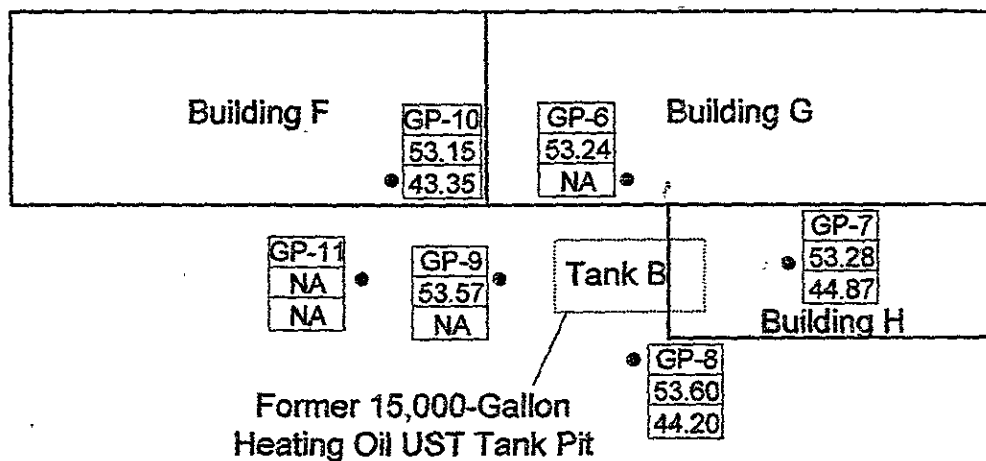
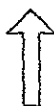


Figure 10 - Tank B - Borings Locations Map

**Life Springs
Environmental, Inc.**

Site:
341 N. Montgomery
San Jose, CA

Legend:

- Soil Probe
- GP - Probe Number
- # - Surface Elevation *
- # - Groundwater Elevation *
- NA - Not Available Due to Hole Caving



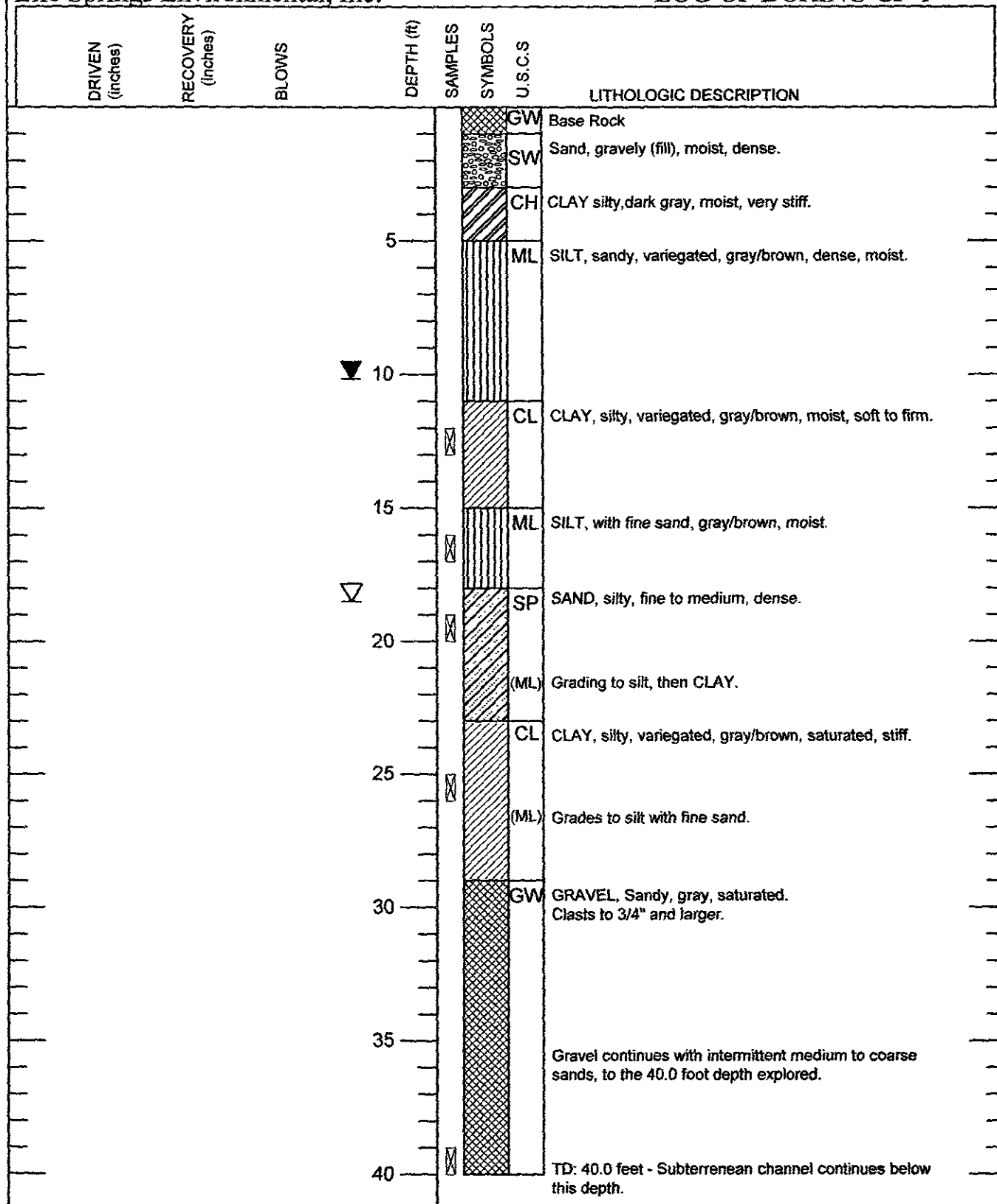
* Elevations are relative - Based upon an assumed elevation of 50.00 feet for manhole rim in N. Montgomery Street

APPENDIX B

SOIL PROBE LOGS

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-1

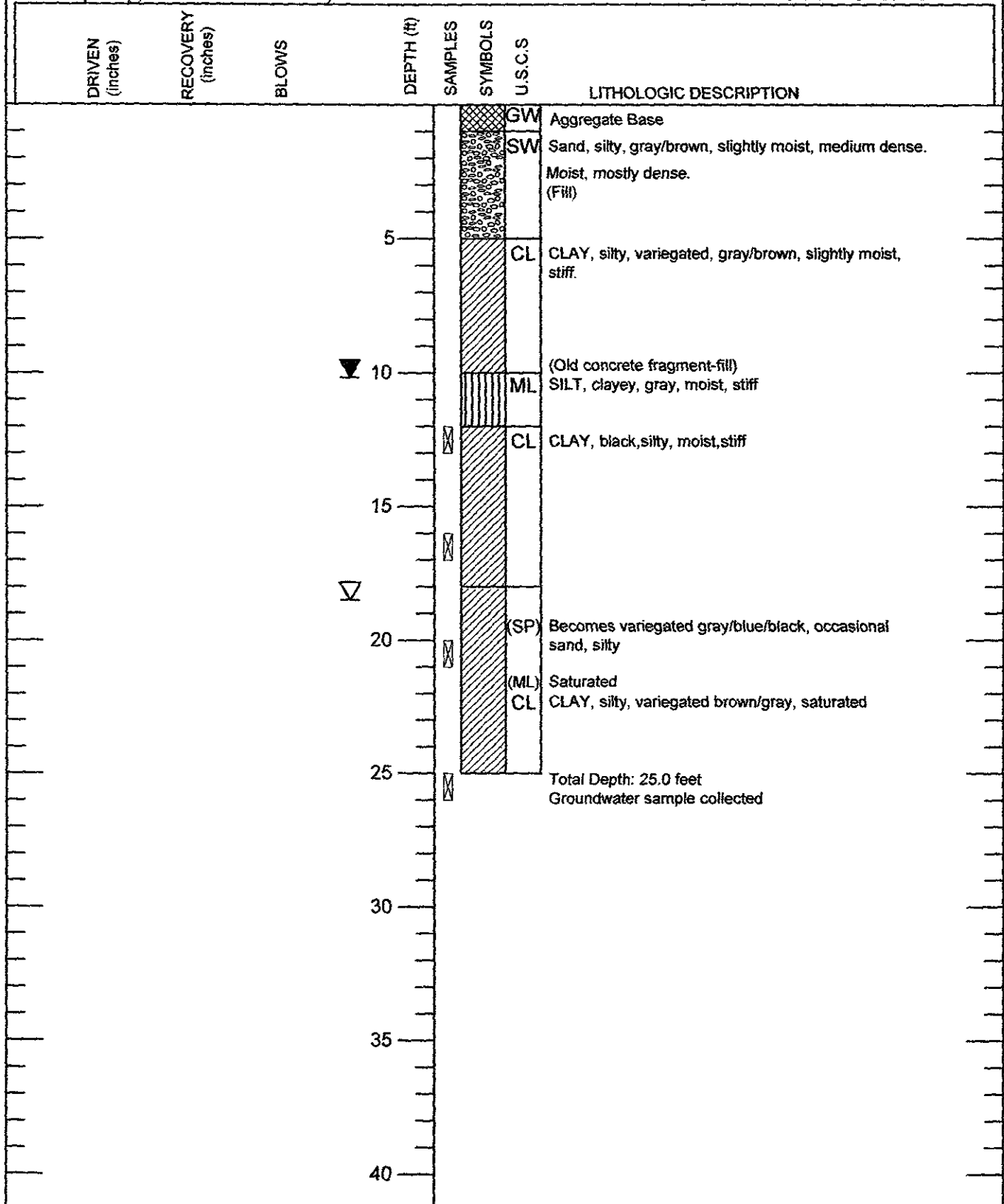


SITE LOCATION 341 Montgomery St. San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 17, 2000

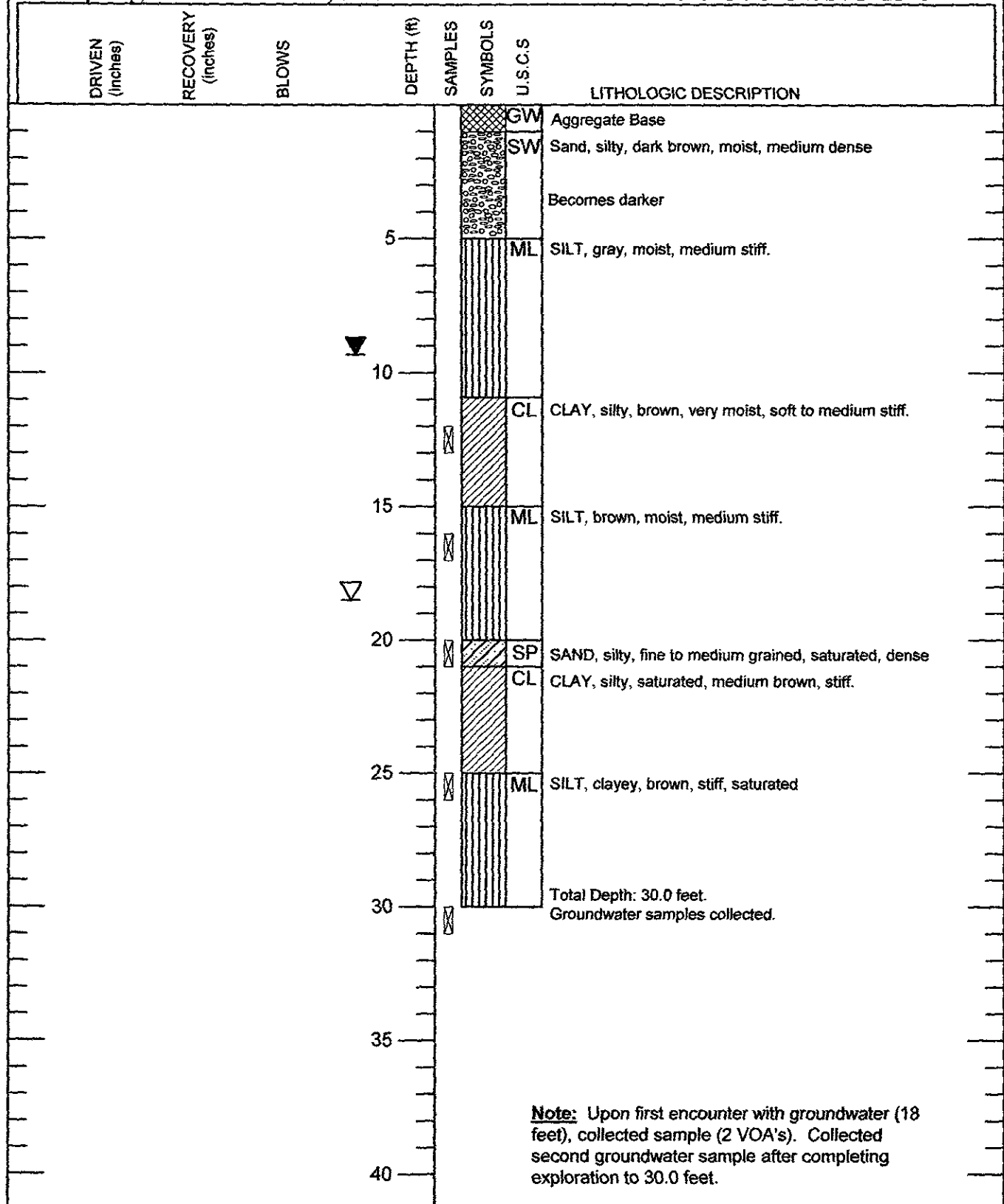
Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-2



SITE LOCATION 341Montgomery St. San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE #17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 17, 2000

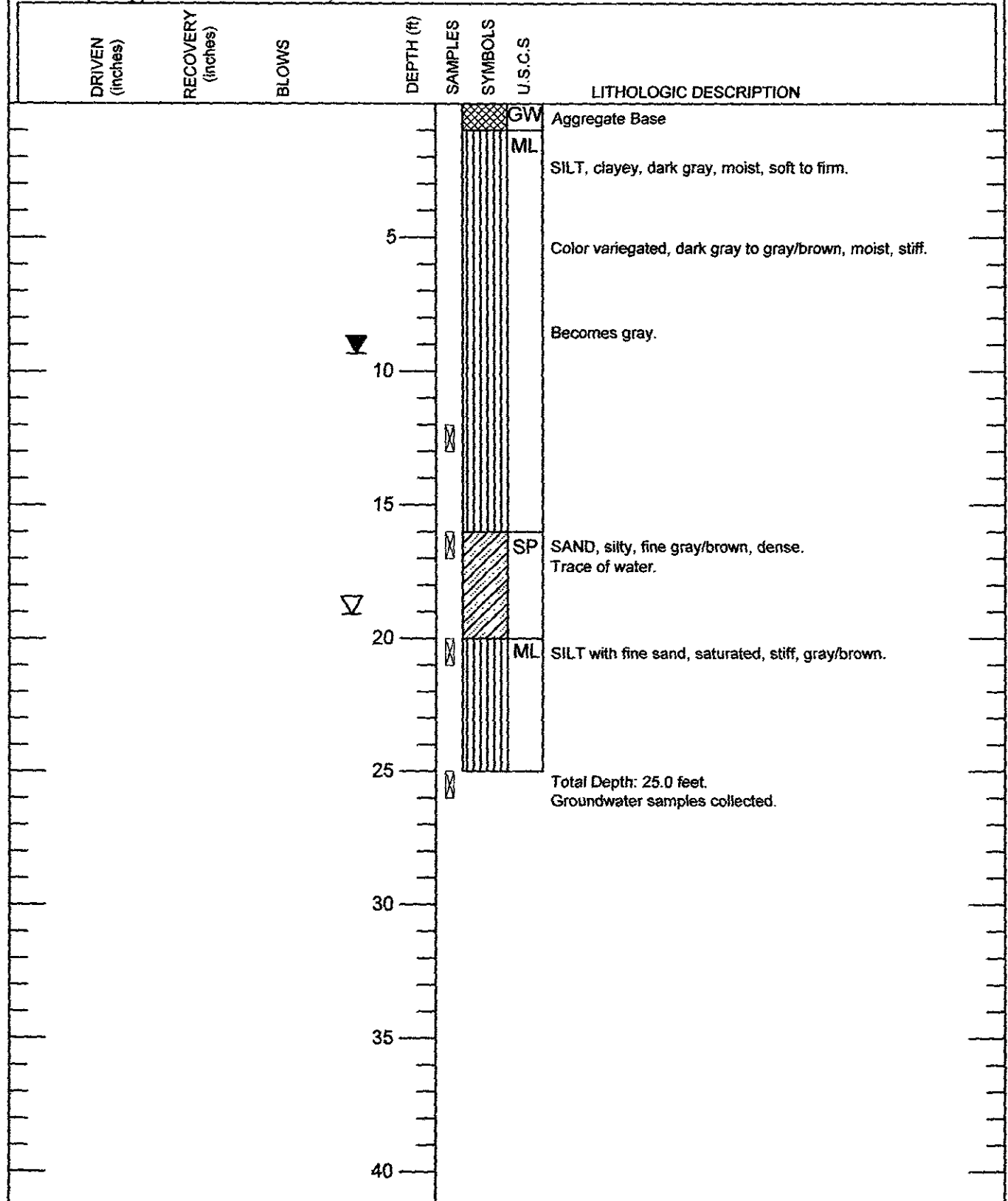


SITE LOCATION 341Montgomery St. San Jose. CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 17, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-4

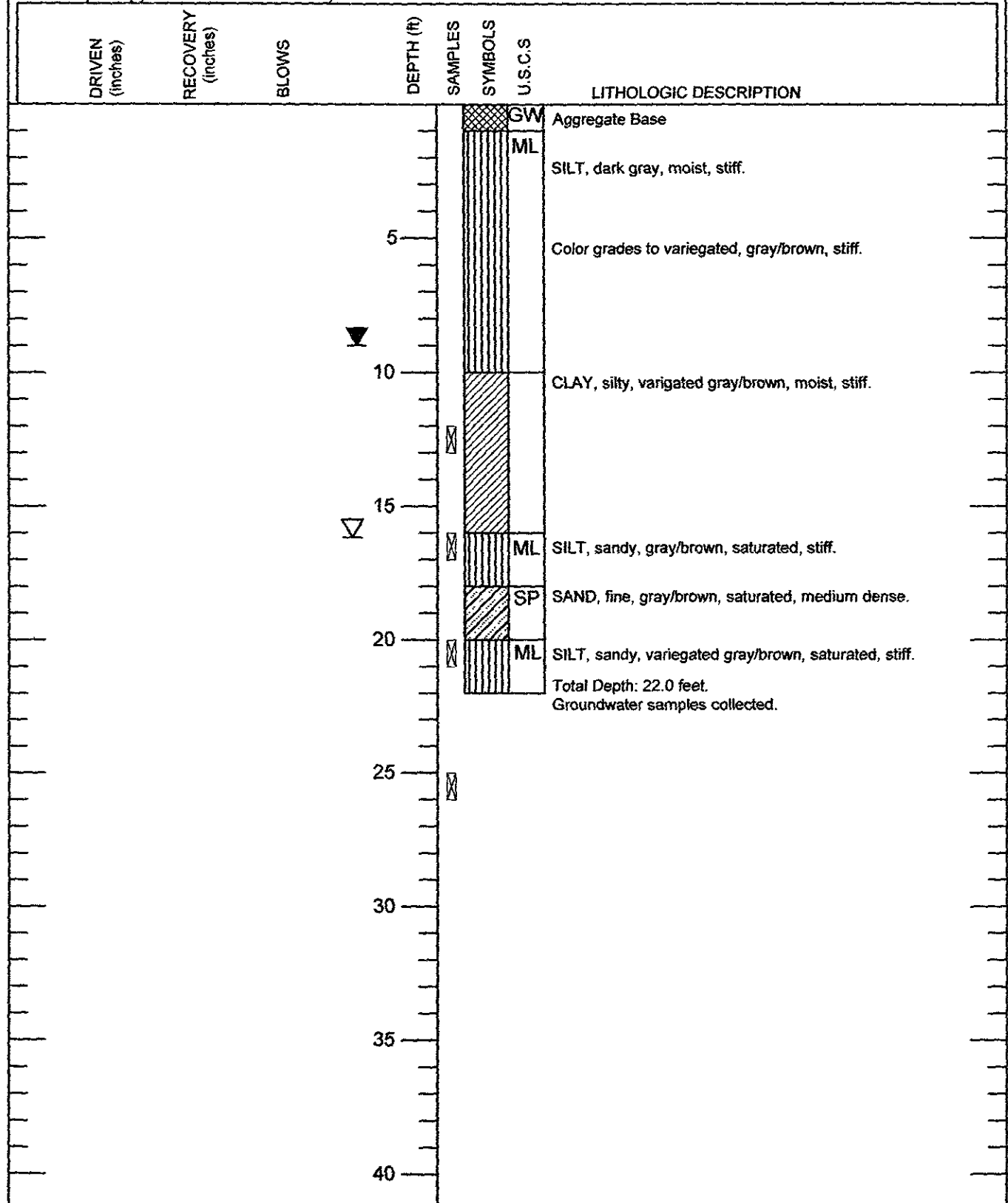


SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 17, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-5

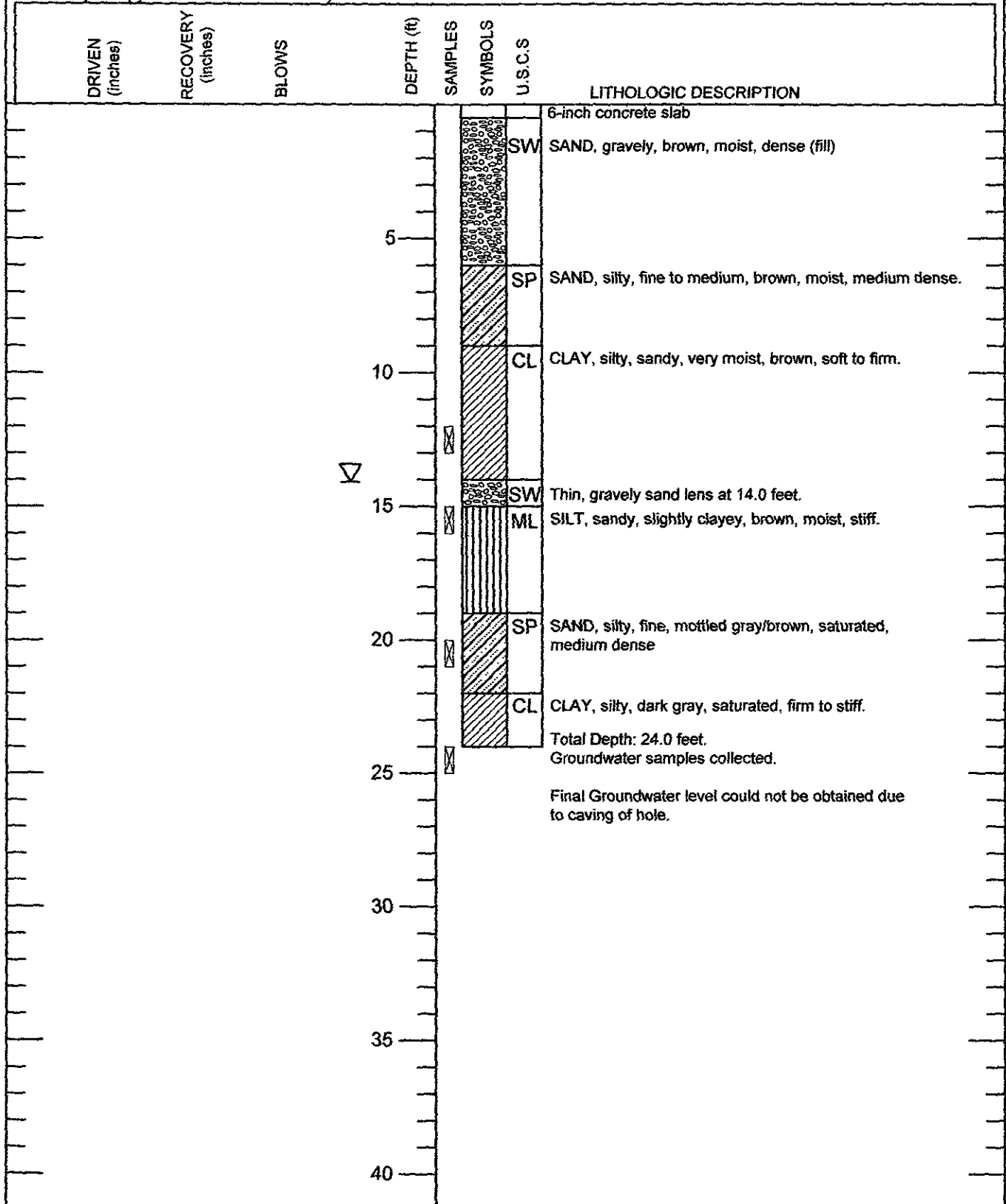


SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE #17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 17, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-6

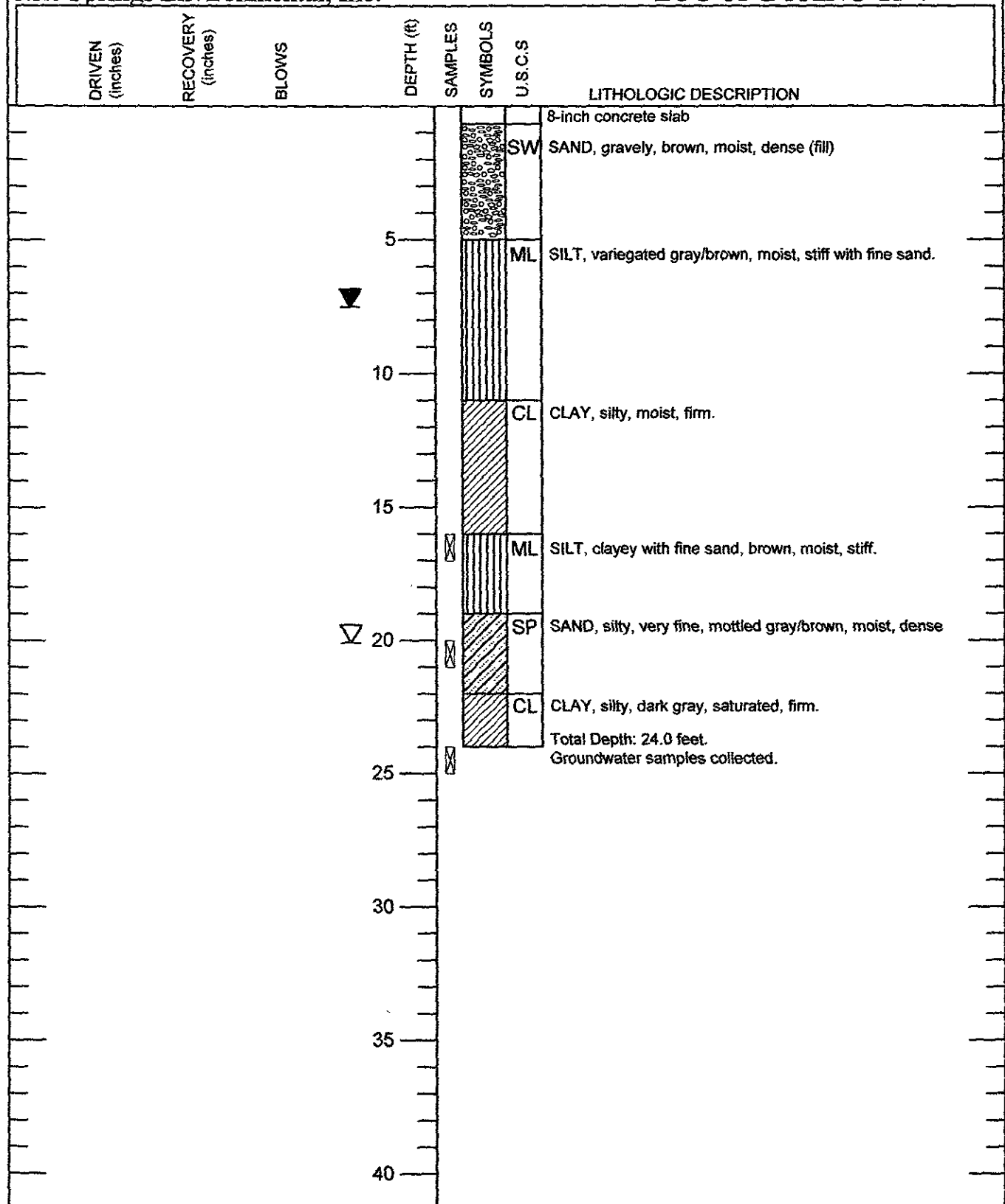


SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-7

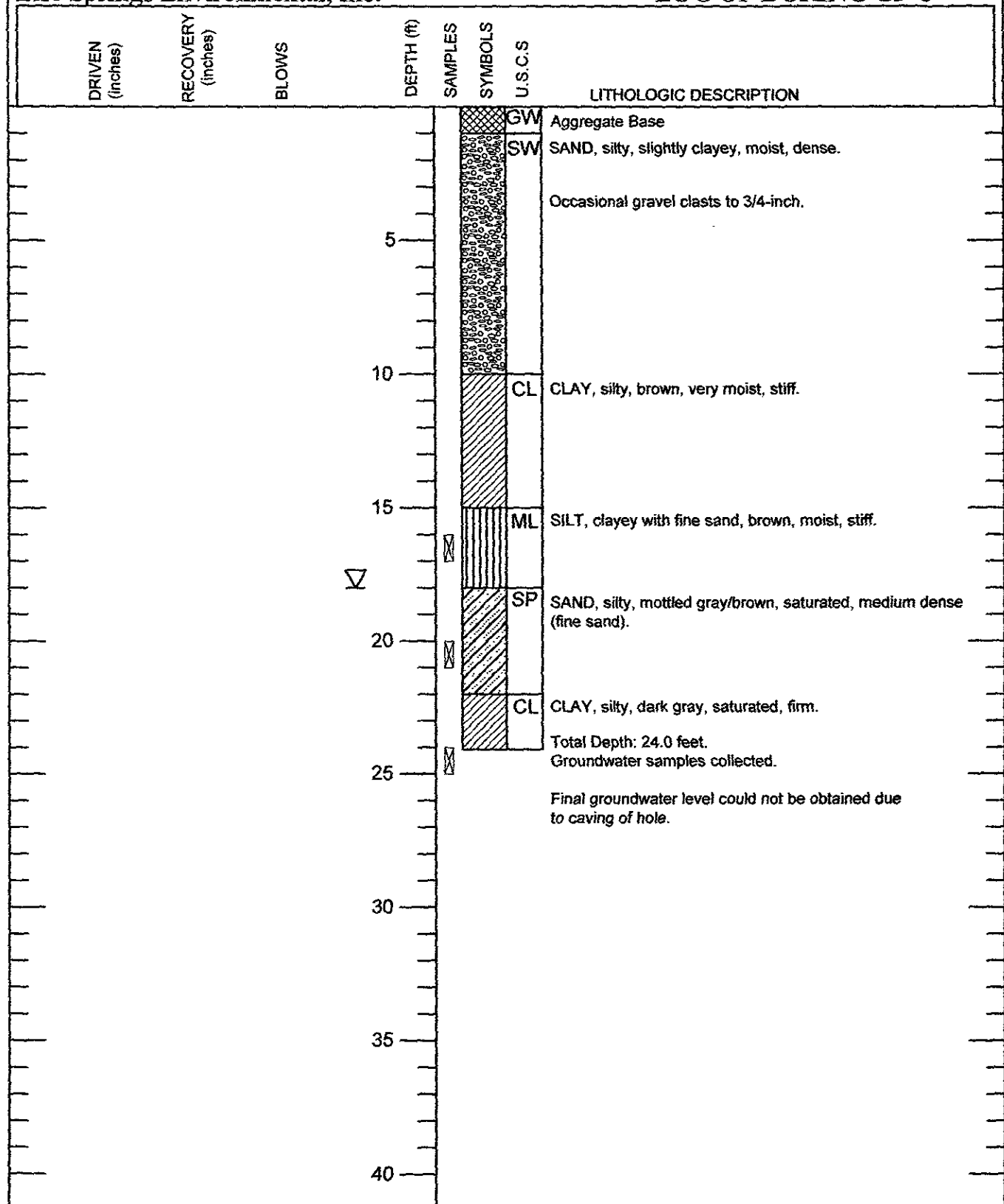


SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-8



SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-9

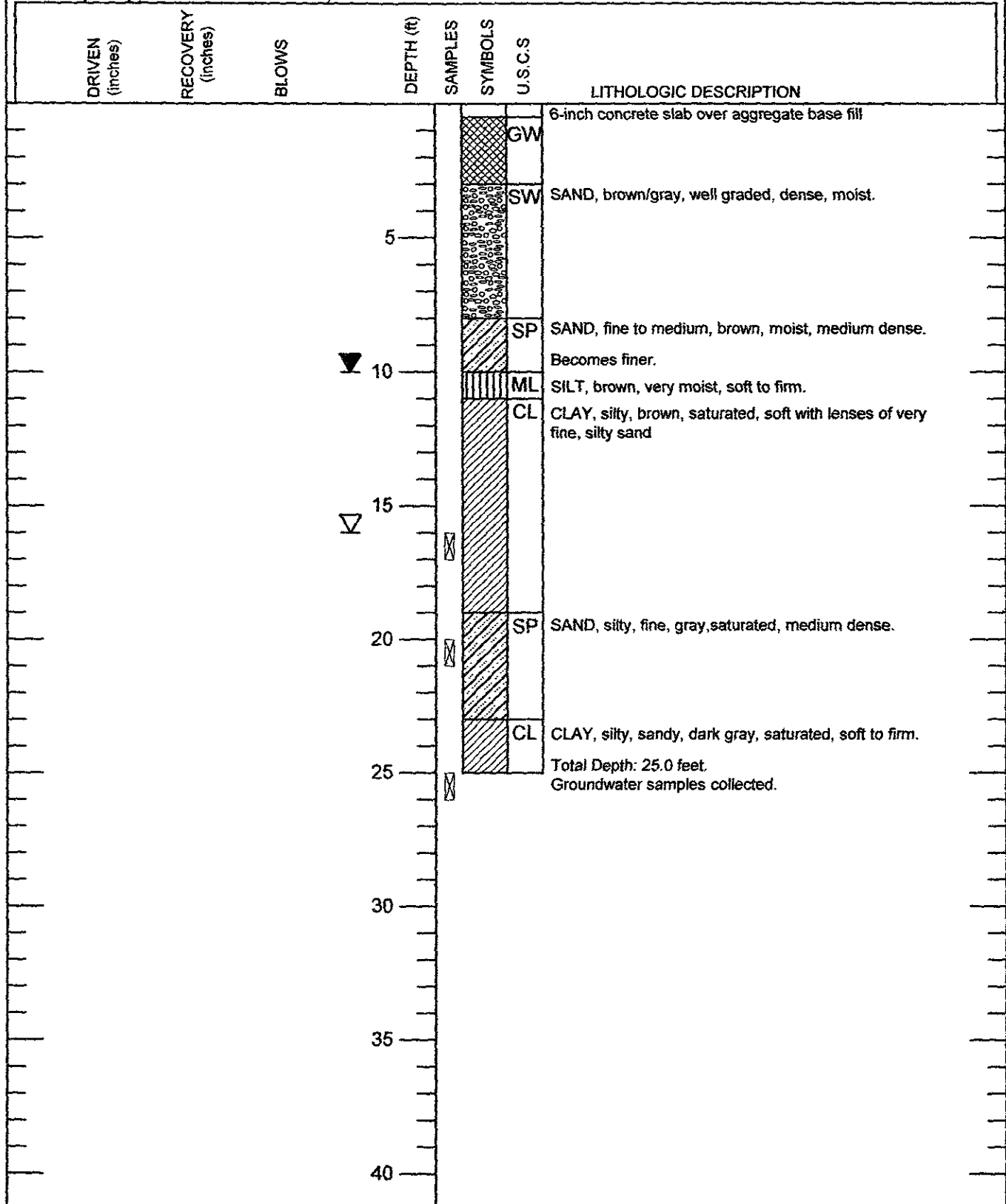
DRIVEN (inches)	RECOVERY (inches)	BLOWS	DEPTH (ft)	SAMPLES	SYMBOLS	U.S.C.S	LITHOLOGIC DESCRIPTION
						GW	Aggregate Base
						SW	SAND, gravely, brown, moist, dense.
			5				
						SP	SAND, silty, mottled gray/brown, moist, medium dense (fine to medium grained)
			10				
						ML	SILT, sandy, mottled gray/brown, saturated, medium dense.
			15				
						SP	SAND, silty, fine to medium, saturated, mottled blue/gray. Moderate odor.
			20				
						SP	SAND, silty, mottled blue/gray, saturated, medium dense (fine sand and no odor).
			25				
						CL	CLAY, silty, dark gray, saturated, soft to firm.
							Total Depth: 24.0 feet. Groundwater samples collected.
							NOTE: Hole caved, so final groundwater level could not be accurately measured.
			30				
			35				
			40				

SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-10



SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

Kenneth L. Meleen, CE/GE
Life Springs Environmental, Inc.

LOG OF BORING GP-11

DRIVEN (inches)	RECOVERY (inches)	BLOWS	DEPTH (ft)	SAMPLES	SYMBOLS	U.S.C.S.	LITHOLOGIC DESCRIPTION
						GW	Aggregate Base
						SW	SAND, silty, well graded, brown, moist, medium dense.
			5				
						SP	SAND, fine, mottled gray/brown, medium dense.
			10			CL	CLAY, silty, mottled blue/gray, moist, stiff.
			15			SP	SAND, silty, fine, saturated, medium dense.
						CL	CLAY, silty, mottled gray/brown, saturated.
			20			SP	SAND, silty, fine, mottled blue/gray/brown, medium dense, saturated.
						CL	CLAY, silty with some fine sand, saturated, firm.
			25				Total Depth: 24.0 feet. Groundwater samples collected.
							Final groundwater level could not be obtained due to caving of hole.
			30				
			35				
			40				

SITE LOCATION 341Montgomery St, San Jose, CA
LOGGED BY Kenneth L. Meleen CA CE # 17487
DRILLING COMPANY Environmental Control Associates (ECA)

DRILLING METHOD Geoprobe
TYPE OF SAMPLER Continuous
DATE July 18, 2000

APPENDIX C
CHAIN OF CUSTODY

AND

ANALYTICAL RESULTS

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST
due 07/26 waters in bin A-22 soils in A-4

Project Manager:

Phone #:

Helen Mawhinney

(408) 267-6427

Company/Address:

FAX #:

Environmental Technical Services
1548 Jacob Ave San Jose 95128

(510) 522-6259

Project Number:

P.O.#:

Project Name:

341 MONT

341 Montgomery

Project Location:

Sampler Signature:

EBJ
PROPERTY

Kenneth L. Melan

ANALYSIS REQUEST

TAT

6001186

Sample ID	Sampling		Container				Method Preserved				Matrix				BTEX (602/8020)	BTEX/TPH as Gasol	TPH as Diesel (8015)	TPH as Oil (8015)	Total Oil & Grease (5520)	Total Oil & Grease I	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pestic	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosiv	CAM - 17 Metals	EPA - Priority Pollut	LEAD(7420/7421/2389)	Cd, Cr, Pb, Zn, Ni	Held EPA 8260 EDB & EED	RUSH SERVICE (12 hr)	EXPEDITED SERV	STANDARD SERV
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																										
GP-3@12'	7/17/00	0835	X					X			X			X				S	0700	335																		X
GP-3@16'		0840	X					X			X			X				S	0700	336																		*
GP-3@20'		0850	X					X			X			X				S	0700	337																		*
GP-3@18'		0900	X					X		X								N	0700	338																		*
GP-3@25'		0915	X					X			X			X				S	0700	339																		*
GP-3@30'		0930	X					X			X			X				S	0700	340																		*
GP-3@28'		0930	X					X		X				X				N	0700	341																		*
GP-1@12'		1010	X					X			X			X				S	0700	342																		*
GP-1@16'		1015	X					X			X			X				S	0700	343																		*
GP-1@19'		1020	X					X			X			X				S	0700	344																		*
GP-1@40'	V	1135	X					X			X			X				S	0700	345																		*

Relinquished by:

Date Time

Kenneth L. Melan

07/19/00

Received by:

Remarks:

Include MTBE Scan in
EPA 8020 Analyses

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

Bill To:

Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave San Jose CA 95128

07/19/00 1:40

Shannon Boale

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST
due 07/26 Waters in bin A-22 soils in A-4

Project Manager:

Phone #:

Helen Mawhinney

(408) 267-6427

Company/Address:

FAX #:

Environmental Technical Services
1548 Jacob Avenue San Jose CA 95118

(570) 522-6259

Project Number:

P.O.#:

Project Name:

341 Mont

341 Montgomery

Project Location:

Sampler Signature:

EBJ Property

Kenneth L. Nelson

ANALYSIS REQUEST

TAT

W.E.N.C.

TOTAL (✓)

Reactivity, Corrosivity, Ignitibility

CAM - 17 Metals

EPA - Priority Pollutant Metals

LEAD (74207421/239.2)

Cd, Cr, Pb, Zn, Ni

MTBE Scan BY

EPA 8020

RUSH SERVICE (12 hr) or (24 hr)

EXPEDITED SERVICE (48 hr) or (1 wk)

STANDARD SERVICE (2wk)

Sample ID	Sampling		Container				Method Preserved				Matrix	
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO ₃	ICE	NONE	WATER	SOIL
GP-6@20	7/18/00	9:40	X						X		X	
GP-6@25		9:50	X						X		X	
GP-6 A.B		10:00	X						X		X	
GP-6 C		10:00		X					X		X	
GP-7@16		11:30	X						X		X	
GP-7@20		11:35	X						X		X	
GP-7@24		11:45	X						X		X	
GP-7 A.B		11:55	X						X		X	
GP-7 C		11:55		X					X		X	
GP-8@16		12:20	X						X		X	
GP-8@20	✓	12:25	X						X		X	

Relinquished by:

Date Time

Kenneth L. Nelson

07/19/00

Received by:

Remarks:

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

Bill To: *Helen Mawhinney*
Environmental Technical Services
1548 Jacob Avenue San Jose CA 95118

Shannon Wade

07/19/00 11:30

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST
due 07/26 Waters in bin A-22 soils in A-4

Project Manager: **HELEN MAWHINNEY** Phone #: **(408) 267-6427**

Company/Address: **Environmental Technical Services** FAX #: **(610) 522-6257**
1548 Jacob Ave San Jose CA 95118

Project Number: **"341 Mont"** P.O.#: Project Name: **341 Montgomery**

Project Location: **EBJ Property** Sampler Signature: **Kenneth A. Melan**

ANALYSIS REQUEST

TAT

Sample ID	Sampling		Container				Method Preserved				Matrix				BTEX (602/8020)	BTEX/TPH as Gasoline (5520)	TPH as Diesel (8015)	TPH as Oil (8015)	Total Oil & Grease (5520)	Total Oil & Grease IR (5520)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/6150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutants	LEAD (7420/7421/239)	Cd, Cr, Pb, Zn, Ni	EPA 8260 including EDB & EDC			RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2 wk)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

Relinquished by:

Date Time

Received by:

Remarks:

Include MTBE Scan in EPA 8020 Analyses

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

Bill To: Helen Mawhinney
Environmental Technical Services
1548 Jacob Avenue San Jose CA 95118

07/19/00 1:30

Shannon Kado.

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

due 07/26 Waters in bin A-22 soils in A-4

Project Manager:

Phone #:

Helen Mawhinney

(408) 267-6427

Company/Address:

FAX #:

Environmental Technical Services
1548 Jacob Avenue San Jose CA 95118

(510) 522-6289

Project Number:

P.O.#:

Project Name:

341 Mount

341 Montgomery

Project Location:

Sampler Signature:

EBJ Property

Kenneth L. Mullen

ANALYSIS REQUEST

TAT

6001106

Sample ID	Sampling		Container				Method Preserved				Matrix				BTEX (602/8020)	BTEX/TPH as Gasoline (8015)	TPH as Diesel (8015)	TPH as Oil (8015)	Total Oil & Grease (5520)	Total Oil & Grease II (5520)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutants	LEAD(7420/7421/239)	Cd, Cr, Pb, Zn, Ni	MTBC Scan EPA 8020			RUSH SERVICE (12 hr)	EXPEDITED SERVICE (48 hr)	STANDARD SERVICE (2wk)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Relinquished by:

Date Time

Kenneth L. Mullen

07/19/00

Received by:

Remarks: Sample GP-8C broken - unable to run diesel.

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

07/19/00 11:30

Shannon Roubel

Bill To: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave. San Jose, CA 95118

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

due 07/26 water in bin A-22 soils in A-4

Project Manager:

Phone #:

Helen Mawhinney

(408) 267-6427

Company/Address:

FAX #:

Environmental Technical Services
154B Jacobs Avenue San Jose CA 95118

(510) 522-6259

Project Number:

P.O.#:

Project Name:

341 Mont

341 Montgomery

Project Location:

Sampler Signature:

EBJ Property

Kenneth L. Mawhinney

ANALYSIS REQUEST

TAT

6001106

Sample ID	Sampling		Container				Method Preserved				Matrix		BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015)	TPH as Oil (8015)	Total Oil & Grease (5520 B/E/F)	Total Oil & Grease IR (5520 B/E/F,C)	96-Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutant Metals	LEAD (7420/7421/239.2)	Cd, Cr, Pb, Zn, Ni	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2wk)
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																							
GP-11@20	7/18/00	2:20	X						X			X	X	X																					
GP-11@24		2:30	X						X			X	X	X																					
GP-11 A.B		2:40	X						X		X		X																						
GP-11 C		2:40		X					X		X		X																						
RAM																																			
GP-1@25	7/17/00	10:30	X						X		X		X	X																					

MTBE Scan by
EPA 8080

Relinquished by:

Date Time

Received by:

Remarks:

Kenneth L. Mawhinney 07/19/00

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

Bill To:

Helen Mawhinney
Environmental Technical Services
154B Jacobs Avenue San Jose CA 95118

07/19/00 11:30

Channon Koale

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 9
Roseville, CA 95678
(916) 773-3664

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

due 07/26 WAKES in bin A-22 soils in A-4

Project Manager:

Phone #:

HELEN MAWHINNEY

(408) 267-6427

Company/Address:

FAX #:

Environmental Technical Services
1548 Forest Ave. San Jose CA 95118

(510) 522-6259

Project Number:

P.O.#:

Project Name:

341 Mont

341 Montgomery

Project Location:

Sampler Signature:

EBT Property

Kenneth L. Melum

ANALYSIS REQUEST

TAT

6001106

Sample ID	Sampling		Container				Method Preserved				Matrix				BTEX (602/8020)	BTEX/TPH as Gasoline (8015)	TPH as Diesel (8015)	TPH as Oil (8015)	Total Oil & Grease (5520)	Total Oil & Grease II (5520)	96 - Hour Fish Bioassay	EPA 601/8010	EPA 602/8020	EPA 615/8150	EPA 608/8080 - Pesticides	EPA 608/8080-PCBs	EPA 624/8240	EPA 625/8270	ORGANIC LEAD	Reactivity, Corrosivity, Ignitibility	CAM - 17 Metals	EPA - Priority Pollutants	LEAD(7420/7421/239)	Cd, Cr, Pb, Zn, Ni	MTBE Scan by EPA 8020	RUSH SERVICE (12 hr) or (24 hr)	EXPEDITED SERVICE (48 hr) or (1 wk)	STANDARD SERVICE (2wk)
	DATE	TIME	VOA	SLEEVE	1L GLASS	1L PLASTIC	HCl	HNO3	ICE	NONE	WATER	SOIL																										
GP-4@12	7/17/00	2:40	X						X			X		X				S	0700	346																X		
GP-4@16		2:50	X						X			X		X				S	0700	347																X		
GP-4@20		2:55	X						X			X		X				S	0700	348																X		
GP-4@25		3:00	X						X			X		X				S	0700	349																X		
GP-4A,B	7/18/00	3:10	X					X	X		X		X		X			N	0700	350																X		
GP-10@16		8:35	X						X			X		X	X			S	0700	351																X		
GP-10@20		8:45	X						X			X		X	X			S	0700	352																X		
GP-10@25		8:55	X						X			X		X	X			S	0700	353																X		
GP-10A,B		9:10	X					X	X		X		X	X	X			N	0700	354																X		
GP-10 C		9:10		X					X		X		X	X	X			N	0700	355																X		
GP-6@16'	7/19/00	9:35	X						X			X		X	X			S	0700	356																X		

Relinquished by:

Date Time

Received by:

Kenneth L. Melum

07/19/00

Relinquished by

Date Time

Received by:

Relinquished by

Date Time

Received by Laboratory:

07/19/00 1:30

Shannon Roale

Remarks:

Include MTBE Scan in EPA 8020 Analyses - only for samples collected 7/17/00.

Bill To:

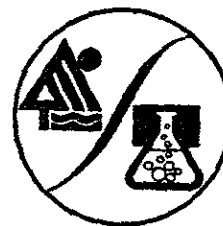
Helen Mawhinney
Environmental Technical Services

1548 Forest Ave. San Jose CA 95118

EXCELCHEM

ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8015m/8020

Date Sampled: 07/18/00
Date Received: 07/19/00
BTEX Analyzed: 07/25,26/00
TPHd Analyzed: 07/21,24/00
Matrix: Soil
Units: mg/kg

Client Sample I.D.	GP-10 @ 16'		GP-10 @ 20'		GP-10 @ 25'		GP-6 @ 16'		GP-6 @ 20'		GP-6 @ 25'	
LAB. NO.	S0700351		S0700352		S0700353		S0700356		S0700357		S0700358	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Diesel	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Client Sample I.D.	GP-7 @ 16'		GP-7 @ 20'		GP-7 @ 24'		GP-8 @ 16'		GP-8 @ 20'		GP-8 @ 24'	
LAB. NO.	S0700361		S0700362*		S0700363		S0700366		S0700367		S0700368	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Diesel	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

QA/QC %RECOVERY Analyzed 07/24,25,26/00		
	LCS	LCSD
Benzene	105	102
Toluene	102	100
Ethylbenzene	100	98
Total Xylenes	101	99
TPH as Diesel	70	70

QA/QC %RECOVERY Analyzed 07/25/00		
	LCS	LCSD
Benzene	106	110
Toluene	104	109
Ethylbenzene	103	108
Total Xylenes	105	110

*NOTE: Low surrogate recovery due to matrix interference.

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

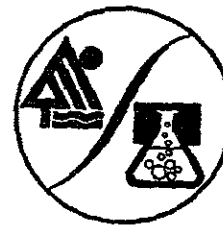
R/L = Reporting Limit

Joseph R. Baller
Laboratory Representative

07/25,26,28/00
Date Reported

EXCELCHEM ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8015m/8020

Date Sampled: 07/18/00
Date Received: 07/19/00
BTEX Analyzed: 07/26/00
TPHd Analyzed: 07/24/00
Matrix: Soil
Units: mg/kg

Client Sample I.D.	GP-9 @ 12'		GP-9 @ 16'		GP-9 @ 20'		GP-9 @ 24'		GP-11 @ 12'		GP-11 @ 16'	
LAB. NO.	S0700371		S0700372*		S0700373		S0700374		S0700377		S0700378	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Diesel	1.0	ND	10.0	1060	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Client Sample I.D.	GP-11 @ 20'		GP-11 @ 24'	
LAB. NO.	S0700379		S0700380	
ANALYTE	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND
TPH as Diesel	1.0	ND	1.0	ND

QA/QC %RECOVERY Analyzed 07/24,25/00		
	LCS	LCSD
Benzene	106	110
Toluene	104	109
Ethylbenzene	103	108
Total Xylenes	105	110
TPH as Diesel	70	70

*NOTE: Low surrogate recovery due to matrix interference.

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

R/L = Reporting Limit

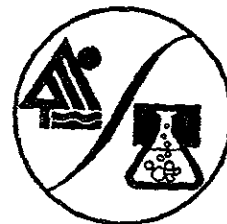
Joseph Balla
Laboratory Representative

07/25,26,28/00
Date Reported

EXCELCHEM

ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 602/8015m

Date Sampled: 07/18/00
Date Received: 07/19/00
BTEX Analyzed: 07/25,26/00
TPH as Diesel Analyzed: 07/21,24/00
Matrix: Water
Units: µg/L

Client Sample I.D.	GP-10 A,B		GP-6 A,B		GP-7 A,B		GP-8 A,B		GP-9 A,B		GP-11 A,B	
LAB. NO.	W0700354		W0700359		W0700364*		W0700369		W0700375		W0700381	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.5	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Total Xylenes	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND

Client Sample I.D.	GP-10 C		GP-6 C		GP-7 C		GP-9 C		GP-11 C	
LAB. NO.	W0700355		W0700360		W0700365		W0700376		W0700382	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
TPH as Diesel	50	ND	50	ND	50	ND	50	93	50	**1370

QA/QC %RECOVERY Analyzed 07/21,25/00		
	LCS	LCSD
Benzene	100	102
Toluene	97	99
Ethylbenzene	97	98
Total Xylenes	99	100
TPH as Diesel	76	51

QA/QC %RECOVERY Analyzed 07/25,26/00		
	LCS	LCSD
Benzene	105	102
Toluene	102	100
Ethylbenzene	100	98
Total Xylenes	101	99

*NOTE: Low recovery is due to matrix effect.

** The sample chromatogram does not match our standard diesel chromatogram. However, all peaks were integrated within the diesel range. The result is an estimated value.

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.

R/L = Reporting Limit

Joel Balch
Laboratory Representative

07/25,26,28/00
Date Reported

EXCELCHEM ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8015m/8020

Date Sampled: 07/17/00
Date Received: 07/19/00
BTEX/TPHg Analyzed: 07/25,26/00
Matrix: Soil
Units: mg/kg

Client Sample I.D.	GP-3 @ 30'		GP-1 @ 12'		GP-1 @ 16'		GP-1 @ 19'		GP-1 @ 40'		GP-4 @ 12'	
LAB. NO.	S0700340		S0700342		S0700343		S0700344		S0700345		S0700346	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Gasoline	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Client Sample I.D.	GP-4 @ 16'		GP-4 @ 20'		GP-4 @ 25'	
LAB. NO.	S0700347		S0700348		S0700349	
ANALYTE	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND
TPH as Gasoline	1.0	ND	1.0	ND	1.0	ND

QA/QC %RECOVERY Analyzed 07/25,26/00		
	LCS	LCSD
Benzene	105	102
Toluene	102	100
Ethylbenzene	100	98
Total Xylenes	101	99

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit

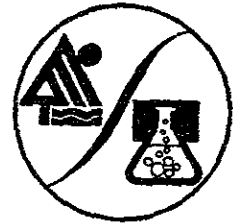
Joseph Balla
Laboratory Representative

07/25,26,28/00
Date Reported

EXCELCHEM

ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8015m/8020

Date Sampled: 07/17/00
Date Received: 07/19/00
BTEX/TPHg Analyzed: 07/25,26/00
Matrix: Soil
Units: mg/kg

Client Sample I.D.	GP-2 @ 12'		GP-2 @ 16'		GP-2 @ 20'		GP-2 @ 25'		GP-5 @ 12'		GP-5 @ 16'	
LAB. NO.	S0700325		S0700326		S0700327		S0700328		S0700330		S0700331	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Gasoline	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

Client Sample I.D.	GP-5 @ 20'		GP-5 @ 25'		GP-3 @ 12'		GP-3 @ 16'		GP-3 @ 20'		GP-3 @ 25'	
LAB. NO.	S0700332		S0700333		S0700335		S0700336		S0700337		S0700339	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE					0.005	ND	0.005	ND	0.005	ND	0.005	ND
Benzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Toluene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Ethylbenzene	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Total Xylenes	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
TPH as Gasoline	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND

QA/QC %RECOVERY Analyzed 07/25,26/00		
	LCS	LCSD
Benzene	105	102
Toluene	102	100
Ethylbenzene	100	98
Total Xylenes	101	99

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit

Jon L. Balla
Laboratory Representative

07/26/28/00
Date Reported

EXCELCHEM

ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8260

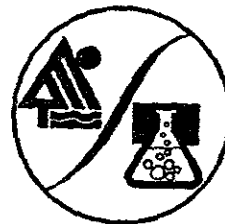
Date Sampled: 07/17/00
Date Received: 07/19/00
Date Analyzed: 07/20/00
Matrix: Water
Units: µg/L

Client Sample ID.	GP-1 A,B,C		GP-3 C,D,E	
LAB. NO.	W0700324		W0700341	
ANALYTE	R/L	Results	R/L	Results
Dichlorodifluoromethane	0.5	ND	0.5	ND
Chloromethane	0.5	ND	0.5	ND
Vinyl Chloride	0.5	ND	0.5	ND
Bromomethane	0.5	ND	0.5	ND
Chloroethane	0.5	ND	0.5	ND
Trichlorofluoromethane	0.5	ND	0.5	ND
Acetone	10	ND	10	ND
1,1-Dichloroethene	0.5	ND	0.5	ND
Iodomethane	0.5	ND	0.5	ND
Methylene Chloride	5	ND	5	ND
Carbon disulfide	0.5	ND	0.5	ND
trans-1,2-Dichloroethene	0.5	ND	0.5	ND
1,1-Dichloroethane	0.5	ND	0.5	ND
2-butanone	5	ND	5	ND
2,2-Dichloropropane	0.5	ND	0.5	ND
cis-1,2-Dichloroethene	0.5	ND	0.5	ND
Bromochloromethane	0.5	ND	0.5	ND
Chloroform	0.5	ND	0.5	ND
1,1,1-Trichloroethane	0.5	ND	0.5	3.0
Carbon Tetrachloride	0.5	ND	0.5	ND
1,1-Dichloropropene	0.5	ND	0.5	ND
Benzene	0.5	ND	0.5	ND
1,2-Dichloroethane	0.5	ND	0.5	ND
Trichloroethene	0.5	ND	0.5	ND
1,2-Dichloropropane	0.5	ND	0.5	ND
Dibromomethane	0.5	ND	0.5	ND
Bromodichloromethane	0.5	ND	0.5	ND
cis-1,3-Dichloropropene	0.5	ND	0.5	ND
4-methyl-2-pentanone	5	ND	5	ND
Toluene	0.5	ND	0.5	ND
trans-1,3-Dichloropropene	0.5	ND	0.5	ND
1,1,2-Trichloroethane	0.5	ND	0.5	ND
Tetrachloroethene	0.5	ND	0.5	ND
1,3-Dichloropropane	0.5	ND	0.5	ND
2-hexanone	5	ND	5	ND
Dibromochloromethane	0.5	ND	0.5	ND
1,2-Dibromoethane	0.5	ND	0.5	ND
Chlorobenzene	0.5	ND	0.5	ND

EXCELCHEM

ENVIRONMENTAL LABS

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Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

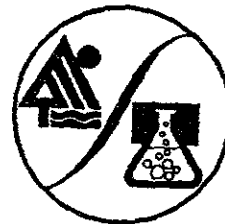
Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8260

Date Sampled: 07/17/00
Date Received: 07/19/00
Date Analyzed: 07/20/00
Matrix: Water
Units: µg/L

Client Sample I.D.	GP-1 A,B,C		GP-3 C,D,E	
LAB. NO.	W0700324		W0700341	
ANALYTE	R/L	Results	R/L	Results
1,1,1,2-Tetrachloroethane	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND
M,P-Xylene	0.5	ND	0.5	ND
O-Xylene	0.5	ND	0.5	ND
Styrene	0.5	ND	0.5	ND
Bromoform	0.5	ND	0.5	ND
Isopropylbenzene	0.5	ND	0.5	ND
Bromobenzene	0.5	ND	0.5	ND
1,1,2,2-Tetrachloroethane	0.5	ND	0.5	ND
1,2,3-Trichloropropane	0.5	ND	0.5	ND
n-Propylbenzene	0.5	ND	0.5	ND
2-Chlorotoluene	0.5	ND	0.5	ND
4-Chlorotoluene	0.5	ND	0.5	ND
1,3,5-Trimethylbenzene	0.5	ND	0.5	ND
Tert-butylbenzene	0.5	ND	0.5	ND
1,2,4-Trimethylbenzene	0.5	ND	0.5	ND
Sec-butylbenzene	0.5	ND	0.5	ND
1,3-Dichlorobenzene	0.5	ND	0.5	ND
4-Isopropyltoluene	0.5	ND	0.5	ND
1,4-Dichlorobenzene	0.5	ND	0.5	ND
1,2-Dichlorobenzene	0.5	ND	0.5	ND
n-Butylbenzene	0.5	ND	0.5	ND
1,2-Dibromo-3-Chloropropane	0.5	ND	0.5	ND
1,2,4-Trichlorobenzene	0.5	ND	0.5	ND
Hexachlorobutadiene	0.5	ND	0.5	ND
Naphthalene	0.5	ND	0.5	ND
1,2,3-Trichlorobenzene	0.5	ND	0.5	ND
SURROGATE %RECOVERY				
Dibromofluoromethane	104		104	
Toluene-d8	100		100	
4-Bromofluorobenzene	108		108	

EXCELCHEM
ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 8260

Date Analyzed: 07/20/00
Matrix: Water

QA/QC %RECOVERY		
	LCS	LCSD
1,1-Dichloroethene	101	94
Benzene	98	94
Trichloroethene	94	90
Toluene	99	94
Chlorobenzene	99	96

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit

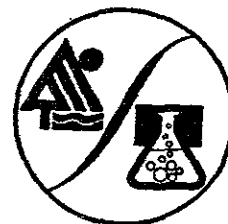

Laboratory Representative

07/25/00
Date Reported

EXCELCHEM

ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 9
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784



ANALYSIS REPORT

Attention: Helen Mawhinney
Environmental Technical Services
1548 Jacob Ave.
San Jose, CA 95118
Project: "341 Mont"
Method: EPA 602/8015m

Date Sampled: 07/17/00
Date Received: 07/19/00
BTEX/TPHg Analyzed: 07/25,26/00
Matrix: Water
Units: µg/L

Client Sample ID.	GP-1 A,B,C		GP-2 A,B,C		GP-5 A,B		GP-3 A,B		GP-3 C,D,E		GP-4 A,B	
LAB. NO.	W0700324		W0700329		W0700334		W0700338		W0700341		W0700350	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results	R/L	Results
MTBE	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Total Xylenes	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND
TPH as Gasoline	50	ND	50	ND	50	ND	50	ND	50	ND	50	54

QA/QC %RECOVERY Analyzed 07/25,26/00		
	LCS	LCSD
Benzene	105	102
Toluene	102	100
Ethylbenzene	100	98
Total Xylenes	101	99

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit

Joseph Balla
Laboratory Representative

07/26,28/00
Date Reported