aqua science engineers inc.

July 19, 2001

JUL 25 2001

CO# 763

FINAL REPORT OF ENVIRONMENTAL REMEDIATION ACTIVITIES at the Magnolia Street, LLC Property 1200 32nd Street Oakland, CA 94608

Formerly the Clawson School Property
3420 Peralta Street
Oakland, CA 94608

Submitted by:
AQUA SCIENCE ENGINEERS, INC.
208 West El Pintado Road
Danville, CA 94526
(925) 820-9391

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1.0 INTRODUCTION

This report details the work performed by Aqua Science Engineers, Inc. (ASE) as it relates to the assessment, overexcavation, and offsite disposal of lead-contaminated soil at the Magnolia Street, LLC property located at 1200 32nd Street, formerly the Clawson School property, 3420 Peralta Street in Oakland, California (Figure 1). The excavation activities were initiated by Ms. Betsey Costello, Manager of Magnolia Street, LLC, who will be developing a portion of the property into a residential community. The environmental activities detailed within this report were performed with the guidance of Ms. Susan Hugo of the Alameda County Health Care Services Agency (ACHCSA).

2.0 BACKGROUND INFORMATION

The subject site was occupied by a school from 1878 until the 1970s. Recently, the majority of the property was converted into a live-work housing development by Clawson Project Associates. The remainder of the property currently exists as a parking lot, and is the portion of the property proposed for development as a residential community.

2.1 March 1996

Elevated lead concentrations (up to 500 parts per million (ppm)) were detected in shallow soil at the site by previous consultants (see ACC Environmental Consultants (ACC) Phase II Report dated March 1996). The lead contamination was identified, for the most part, west of the main school building in the shallow, exposed soil. The lead contamination was attributed to lead-based paint used for decades on the building.

2.2 January 1998

ASE prepared a workplan for a more-defined assessment of the lead-contaminated soil identified by ACC west of the main school building. Based on information provided to ASE from the ACHCSA at that time, a cleanup level of 320 ppm was set as a cleanup goal for the site. The workplan was subsequently approved by the ACHCSA.

Also in January 1998, ASE drilled twenty (20) shallow borings on 25-foot centers using a Geoprobe for the collection of soil samples ranging from depths of 6-inches below ground surface (bgs) to 36-inches bgs. The results of this investigation identified an area totaling an estimated

cubic yards of lead-bearing soil with concentrations exceeding 320 ppm total lead (see the ASE Assessment Report dated February 25, 1998).

2.3 March 1998

ASE prepared a workplan for the overexcavation and off-site removal of the lead-bearing soil identified in the area west of the main school building. The workplan scoped out the methods of excavation, stockpiling, confirmation soil sample collection, analyses, and eventual loading and off-site disposal of the affected soil. This workplan was subsequently approved by the ACHCSA.

2.4 May and June 1998

ASE overexcavated approximately 200 cubic yards of soil from the area west of the main school building. Confirmation samples verified that all of the lead-bearing soil above 320 ppm total lead had been removed.

Also in May and June 1998, the stockpiled soil was sampled on several occasions to determine its total, WET, and TCLP lead concentrations. The results indicated that the soil contained California hazardous characteristics, and would require out-of-state disposal.

2.5 July 1998

On July 22, 1998, the stockpiled soil, weighing 236.98 tons, was transported by Roger's Trucking, US EPA ID number CAD 046824910, to the East Carbon Development Company (ECDC) facility at the Pier 96 Railyard in San Francisco, California, where it was transferred onto Union Pacific Railroad cars for disposal at ECDC's Landfill in East Carbon, Utah, US EPA ID number UTC093012201.

2.6 September 1998

ASE prepared its Final Report, dated September 10, 1998, detailing all of our on-site activities as they related to the lead-contaminated soil west of the main school building.

2.7 Early 1999

The ACHCSA and RWQCB issued a No Further Action Letter for the site.

2.8 August 2000

ASE returned to the site to assess the volume of soil contaminated with total lead in the vicinity of ACC boring S23, which was located in the parking lot area which is now proposed for a residential development (Figure 2). ASE prepared a workplan for the drilling of five hand-augered soil borings in the area surrounding boring S23. The workplan was subsequently approved by the ACHCSA. On August 14, 2000, ASE drilled five soil borings to a depth of 24-inches below grade and collected soil samples at three intervals in each boring, see Figure 2. Elevated concentrations of total lead were identified in soils up to 24-inches below grade at concentrations up to 320 ppm. See ASE's assessment report dated August 22, 2000 for complete details regarding this assessment.

In discussions with Ms. Susan Hugo of the ACHCSA, she informed ASE and the prospective developer of the property that the current regulatory limit for total lead in unrestricted residential usage is 147 ppm per recent DTSC risk assessment guidelines.

2.9 April 2001

ASE prepared a workplan for submittal to the ACHCSA, dated April 30, 2001, detailing the scope of work for excavation and off-site disposal of the lead-bearing soil. This workplan was subsequently given verbal approval by Ms. Hugo of the ACHCSA in a telephone conversation between Ms. Hugo and David Allen of ASE.

3.0 PROPOSED SCOPE OF WORK (SOW)

Based on the site history and requirements of the ACHCSA, ASE's proposed scope of work to eliminate soil at the site in the vicinity if boring S23 containing total lead concentrations greater than 147 ppm is to:

1) Secure permits/approval from the Alameda County Health Care Services Agency (ACHCSA), and notify both CAL-OSHA and the Bay Area Air Quality Management District (BAAQMD) of the upcoming project.

2) Secure a Certified Industrial Hygienist (CIH) to prepare a Health & Safety Plan for the site and perform on-site control measures.

3) Mark the boundaries of the excavation. Determine elevation of existing grade within excavation boundaries. Call Underground Service Alert (USA) to have all known public utilities marked.

4) Remove the asphalt on top of the excavation boundaries. This material was to be stockpiled on-site for future disposal by the client.

5) Excavate lead-bearing soil in two pre-determined depths within the excavation boundaries. Stockpile and cover the excavated material on-site. The first excavation was to measure approximately 47-feet by 40-feet and 1-foot deep, totaling an estimated 70 cubic yards. The second excavation, inside the boundary of the first excavation, was to measure 26-feet by 47-feet and an additional 2-feet deeper, totaling an estimated 90 cubic yards. Spoils from the first excavation were separated from the spoils from the deeper excavation.

6) At the direction of the CIH, administer dust controlling measures by keeping excavation and spoils moist.

7) Collect confirmation soil samples from the excavation bottoms as directed by the ACHCSA.

8) Analyze each soil sample for total lead by EPA Method 7420A using a Cal EPA certified on-site mobile laboratory.

9) Excavate and re-sample areas as necessary should analytical results exceed the target cleanup goal of 147 ppm.

10) Collect four-point composite soil samples from the excavated/stockpiled soil.

11) Analyze each stockpiled soil sample above for total lead by EPA Method 7420A, and waste extraction test (WET) lead by EPA Method 7420A at an off-site laboratory.

12) Profile the excavated soil into an appropriate landfill facility.

13) Load and transport the stockpiled soil to the appropriate landfill.

14) Prepare a summary report detailing the methods and findings.

4.0 OVEREXCAVATION ACTIVITIES

4.1 Overexcavation Activities, May 2001

On May 30, 2001, all field personnel reviewed and signed the site specific health and safety plan prepared by Mr. Kevin Braun, CIH, of Earth Safety Dynamics. Mr. Braun was responsible for health and safety issues relating to the excavation of the lead-bearing soil. Personnel on-site included David Allen and Erik Paddleford of ASE and equipment operators from Bay Area Backhoes. The area for overexcavation was outlined in paint and then excavated using a backhoe. The excavated soil was moved, using a dump truck, to the rear of the property and stockpiled on asphalt for future handling, see Figure 3.

5.0 SOIL SAMPLE COLLECTION AND ANALYSES

5.1 Confirmation Soil Sampling, May 30, 2001

When the excavation activities discussed above were completed, nine (9) bottom of excavation soil samples were collected (A1-12" through A3-12", B1-36" through B3-36", and C1-36" through C3-36") to confirm that all of the soil containing total lead above 147 ppm was removed, see Figure 3. The soil samples were submitted to Mobile Chem Labs (ELAP #2162), which was on-site in a mobile laboratory, for analysis of total lead by EPA Method 7420. All nine soil samples contained total lead concentrations below the target clean-up goal of 147 ppm. The analytical results are tabulated in Table One, and the certified analytical results with chain of custody documents are presented in Appendix A.

5.2 Stockpiled Soil Sampling, June 5, 2001

Approximately 160 cubic yards of soil were overexcavated during this project. Approximately 70 yards of soil, excavated from 0" to 12" bgs, were stockpiled as Stockpile A. Approximately 90 yards of soil, excavated from 12" to 36" bgs, were stockpiled as Stockpile B. This soil was stockpiled and covered by plastic on the asphalt parking lot in the rear, fenced-in area of the property, see Figure 3.

On June 5, 2001, four discrete soil samples were collected from Stockpile A and were labeled STKP-A-1 through STKP-A-4. These samples were then transported to STL Chromalab of Pleasanton, California (ELAP #1094) under chain of custody procedures. These four discrete soil samples were then composited by Chromalab into sample STKP-A (1-4) for analysis.

On June 5, 2001, four discrete soil samples were collected from Stockpile B and were labeled STKP-B-1 through STKP-B-4. These samples were then transported to Chromalab under chain of custody procedures. These four discrete soil samples were then composited by Chromalab into sample STKP-B(1-4) for analysis.

Each of the composited soil samples were analyzed by Chromalab for total lead by EPA Method 3050B/6010B and waste extraction test (WET) lead by EPA Method 3005A/6010B. Sample STKP-A (1-4) contained 95 ppm total lead and 5.9 ppm WET lead. Sample STKP-B (1-4) contained 21 ppm total lead and 0.59 ppm WET lead. The analytical results are tabulated in Tables One and Two, and the certified analytical results with chain of custody documents are presented in Appendix B.

5.3 Stockpiled Soil Sampling, June 28, 2001

Due to the higher than expected WET lead concentration identified in soil sample STKP-A(1-4), ASE returned to the site to re-sample Stockpile A from four similar locations within the stockpile. On June 28, 2001, four discrete soil samples, labeled STKP-A1 through STKP-A4 were collected and transported to Chromalab under chain of custody procedures. These four discrete soil samples were then composited by Chromalab into sample STKP-A 1-4. Sample STKP-A 1-4 contained 64 ppm total lead and 2.8 ppm WET lead. The analytical results are tabulated in Tables One and Two, and the certified analytical results with chain of custody documents are presented in Appendix C.

Because the initial stockpile analytical results for Stockpile B identified very low concentration of total and WET lead, Stockpile B was re-sampled to determine if this volume of soil could remain at the site. On June 28, 2001, four discrete soil samples were collected from Stockpile B in four similar locations as previously collected, labeled STKP-B1 through STKP-B4 and transported to Chromalab under chain of custody procedures. This time, the soil samples would not be composited, rather they would be analyzed individually. These four discrete soil samples were analyzed by Chromalab for total lead only by EPA Method 3050B/6010. The total lead concentrations of the four discrete samples collected from Stockpile B ranged from 30 ppm to 280 ppm. The analytical results are tabulated in Tables One and Two, and the certified analytical results with chain of custody documents are presented in Appendix C.

Since the analytical results of the discrete soil samples collected from Stockpile B were above the target clean-up goal in 3 of the 4 samples, it

was decided that all stockpiled soil would be transported off-site for disposal as originally proposed.

6.0 STOCKPILED SOIL DISPOSAL

6.1 Stockpiled Soil Offhaul and Disposal, July 11, 2001.

On July 11, 2001, the stockpiled soil, weighing 173.96 tons, was transported by Denbeste Transportation, US EPA ID number CAD 982513632, to the Forward Landfill in Manteca, California, where it was accepted as Class II, non-hazardous waste. See Appendix D for copies of the Manifests. See Appendix E for a copy of the Certificate of Disposal.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Lead-bearing soil with concentrations of total lead exceeding the cleanup goal of 147 ppm has been removed from the subject site and disposed of at the Forward Landfill in Manteca, California. Confirmation soil samples collected from the bottom of the excavation confirms that all of the lead-bearing soil has been removed to levels acceptable for residential development per the ACHCSA.

On behalf of our client, Magnolia Street, LLC, ASE respectfully requests that the ACHCSA prepare a "No Further Action" letter for this case.

8.0 REPORT LIMITATIONS

The results of the assessment activities described within represent conditions at the time of the soil sampling, at the specific locations where the samples were collected, and for the specific parameters analyzed by the laboratory.

This report does not fully characterize the site for contamination resulting from unknown sources or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-EPA certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Should you have any questions or comments, please call us at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

David Allen
Senior Project Manager

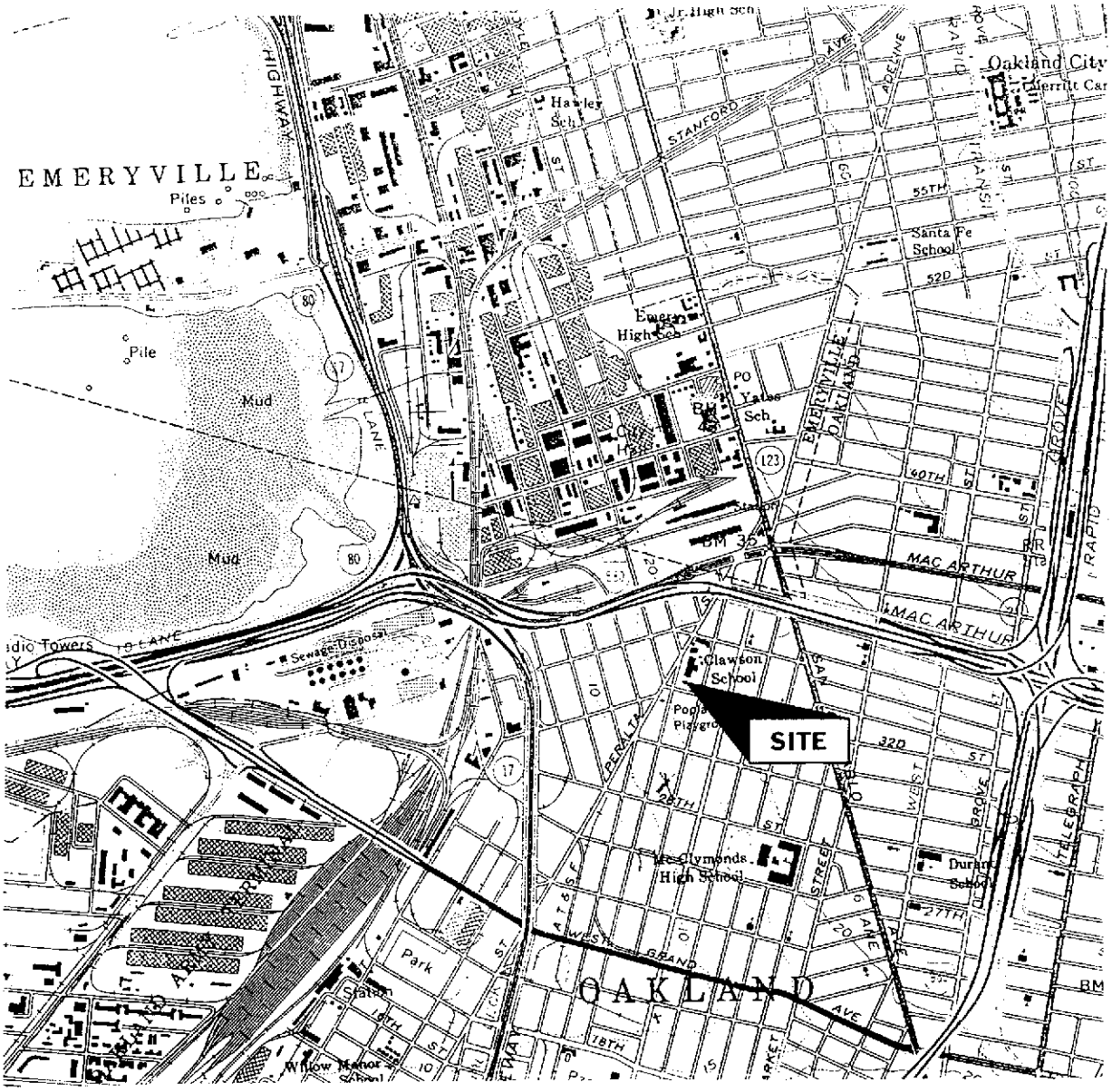
Robert E. Kitay, R.G., R.E.A.
Senior Geologist

cc: Ms. Betsey Costello, Magnolia Street, LLC, 615 Front Street, San Francisco, CA 94111

Ms. Susan Hugo, Alameda County Health Care Services Agency, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612

NORTH



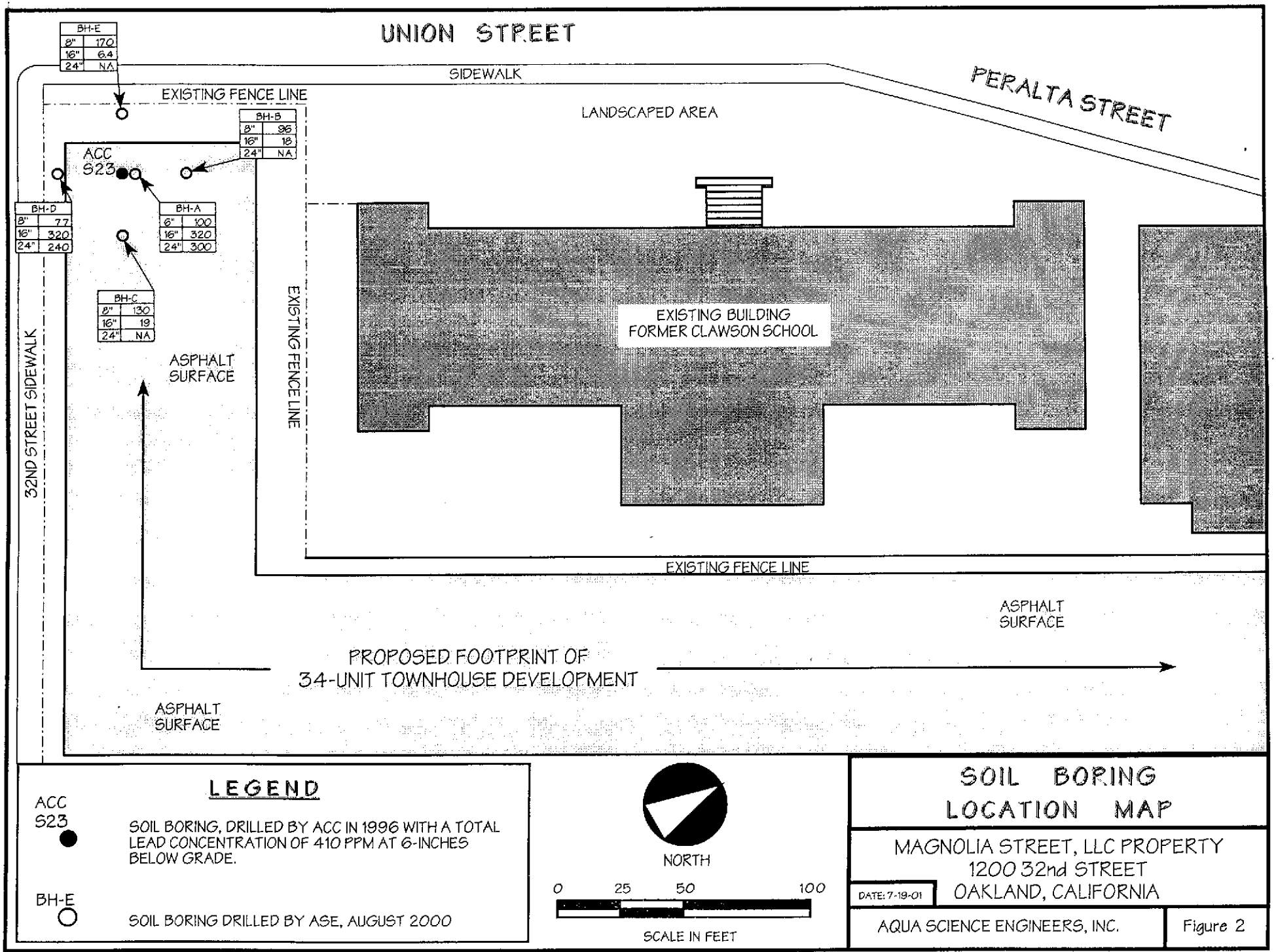
LOCATION MAP

MAGNOLIA STREET, LLC PROPERTY
1200 32nd STREET
OAKLAND, CALIFORNIA

DATE: 7-19-01

AQUA SCIENCE ENGINEERS, INC.

Figure 1



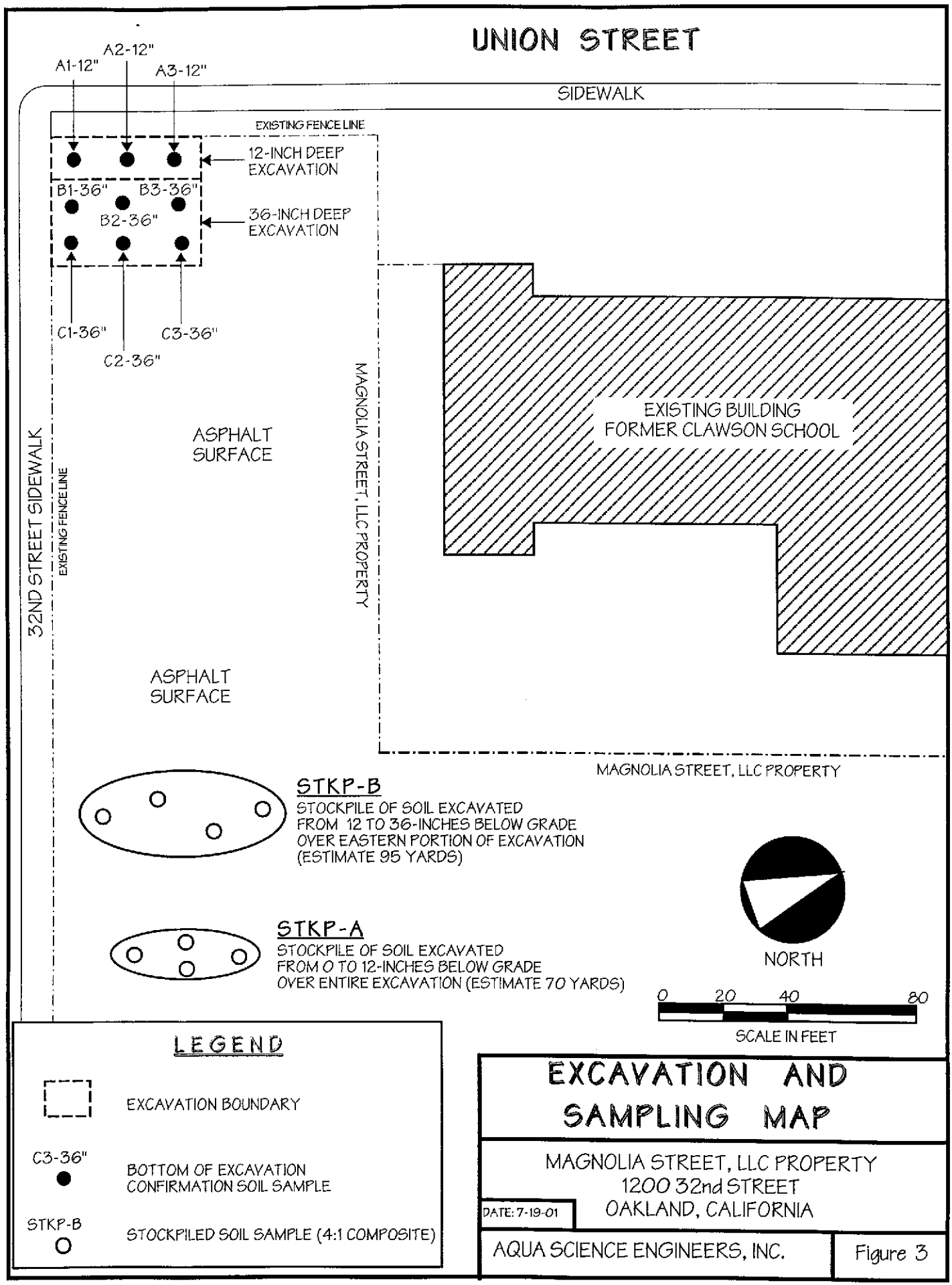
SOIL BORING LOCATION MAP

MAGNOLIA STREET, LLC PROPERTY
1200 32nd STREET
OAKLAND, CALIFORNIA

DATE: 7-19-01

AQUA SCIENCE ENGINEERS, INC.

Figure 2



EXCAVATION AND SAMPLING MAP

MAGNOLIA STREET, LLC PROPERTY
1200 32nd STREET
OAKLAND, CALIFORNIA

DATE: 7-19-01

AQUA SCIENCE ENGINEERS, INC.

Figure 3

TABLE ONE

Total Lead Concentrations In Soil

Excavation Confirmation and Stockpiled Soil Samples

Magnolia Street, LLC Property

1200 32nd Street, Oakland, California

All Results in Parts Per Million

SAMPLE IDENTIFICATION	TOTAL LEAD
Bottom of Excavation Confirmation Samples	
A1-12"	60
A2-12"	36
A3-12"	140
B1-36"	13
B2-36"	13
B3-36"	11
C1-36"	12
C2-36"	11
C3-36"	10
June 5, 2001 Stockpiled Soil Samples	
STKP-A (1-4)	95
STKP-B (1-4)	21
June 28, 2001 Stockpiled Soil Samples	
STKP-A (1-4)	64
STKP-B1	30
STKP-B2	200
STKP-B3	240
STKP-B4	280

TABLE TWO

Waste Extraction Test (W.E.T.) Lead Concentrations In Soil

Stockpiled Soil Samples

Magnolia Street, LLC Property

1200 32nd Street, Oakland, California

All Results in Parts Per Million

SAMPLE IDENTIFICATION	WET LEAD
June 6, 2001 Stockpiled Soil Samples	
STKP-A (1-4)	5.9
STKP-B (1-4)	0.53
June 28, 2001 Stockpiled Soil Samples	
STKP-A 1-4	2.8

APPENDIX A

Analytical Reports and Chain of Custody Documents For Confirmation Soil Samples

MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

3685\2162\014142

Aqua Science Engineers Inc.
208 W. El Pintado Road
Danville, CA 94526
ATTN: Dave Allen
Project Manager

Date Sampled: 05-30-01
Date Received: 05-30-01
Date Analyzed: 05-30-01

TOTAL LEAD

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
		Project # 3685 3420 Peralta St. Oakland, CA	
B051045	A1-12"	0.1	60
B051046	A2-12"	0.1	36
B051047	A3-12"	0.1	140

QA/QC: Spike Recovery on B051045 is 94 %
Duplicate Deviation on B051045 is 3.0 %

Note: Analysis was performed using EPA method 7420
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

3685\2162\014142

Aqua Science Engineers Inc.
208 W. El Pintado Road
Danville, CA 94526
ATTN: Dave Allen
Project Manager

Date Sampled: 05-30-01
Date Received: 05-30-01
Date Analyzed: 05-31-01

TOTAL LEAD

Sample Number	Sample Description	Detection Limit ppm	SOIL RESULTS ppm
	Project # 3685 3420 Peralta St. Oakland, CA		
B051048	B1-36"	0.1	13
B051049	B2-36"	0.1	13
B051050	B3-36"	0.1	11
B051051	C1-36"	0.1	12
B051052	C2-36"	0.1	11
B051053	C3-36"	0.1	10

QA/QC: Spike Recovery on B051048 is 97 %
Duplicate Deviation on B051048 is 0.8 %

Note: Analysis was performed using EPA method 7420
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

MOBILE CHEM LABS, INC.
1678 RELIEZ VALLEY RD.
LAFAYETTE, CA 94549
(925) 945-1266
(925) 943-6884 fax

Project No.: 3685

Site Name/Location: Magnolia ~~Ee~~ Street, LLC
3420 Peralta St.
Oakland, CA

Consultant Name: Aqua Science Eng.

Address: 208 W. El Pintado
Danville, CA 94526

Sampler Name: Dave Allen

SAMPLE ID NUMBER	DATE	TIME	LAB ID#	SAMPLE PRESERVATION: HCL	HNO3	ICE	MATRIX: SOIL	WATER	AIR	# of Cont.	GRAB/COMP	TPH-G/BTEX	TPH-D	TOG(418.1)	TEPH	8010/601	8081/608	8240/624	LUFT-5 Met	8270/625	Total Pb
A1-12"	5/30	1040					X														X
A2-12"	5/30	1050					X														X
A3-12"	5/30	1100					X														X
B1-36"		1505					X														X
B2-36"		1510					X														X
B3-36"		1515					X														X
C1-36"		1420					X														X
C2-36"		1425					X														X
C3-36"		1430					X														X

Relinquished By: D. Allen — Date/Time: 5/30/01 1520 — Received By: [signature]

Relinquished By: — Date/Time: — Received By:

Comments:

Turn Around: 24HR

APPENDIX B

Analytical Reports and
Chain of Custody Documents
For Stockpiled Soil Samples
Collected on June 5, 2001

Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Attn.: Mr. Dave Allen

Project: 3685
Magnolia Street LLC

Site: Peralta St., Oakland

Dear Mr. Allen,

Attached is our report for your samples received on Wednesday June 6, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 21, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CAM W.E.T. (STLC) Lead

Aqua Science Engineers, Inc.

208 West El Pintado Road
Danville, CA 94526

Attn: Dave Allen

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Site: Peralta St., Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-A(1-4)	Soil	06/05/2001	1

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**STKP-A(1-4)**	Lab Sample ID:	**2001-06-0107-001**
Project:	3685 Magnolia Street LLC	Received:	06/06/2001 17:31
Site:	Peralta St., Oakland	Extracted:	06/11/2001 10:23
Sampled:	06/05/2001	QC-Batch:	2001/06/11-11.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	5.9	0.50	mg/L	1.00	06/11/2001 12:47	

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
CAM W.E.T. (STLC) Lead

Method Blank | **Soil** | **QC Batch # 2001/06/11-11.15**

MB: 2001/06/11-11.15-011 | Date Extracted: 06/11/2001 10:23

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	06/11/2001 11:44	

To: **Aqua Science Engineers, Inc.**
Attn: Dave Allen

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/11-11.15**

LCS: 2001/06/11-11.15-012 Extracted: 06/11/2001 10:23 Analyzed 06/11/2001 11:48
LCSD: 2001/06/11-11.15-013 Extracted: 06/11/2001 10:23 Analyzed 06/11/2001 11:53

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.52	4.60	5.00	5.00	90.4	92.0	1.8	80-120	20		

Total Lead by AA

Aqua Science Engineers, Inc.

208 West El Pintado Road
Danville, CA 94526

Attn: Dave Allen

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Site: Peralta St., Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-A(1-4)	Soil	06/05/2001	1

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0107

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-A(1-4)**	Lab Sample ID:	**2001-06-0107-001**
Project:	3685 Magnolia Street LLC	Received:	06/06/2001 17:31
Site:	Peralta St., Oakland	Extracted:	06/07/2001 09:31
Sampled:	06/05/2001	QC-Batch:	2001/06/07-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	95	5.0	mg/Kg	1.00	06/07/2001 12:59	

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 7420
Prep Method: 3050B

Batch QC Report
Total Lead by AA

Method Blank | **Soil** | **QC Batch # 2001/06/07-01.17**

MB: 2001/06/07-01.17-010

Date Extracted: 06/07/2001 09:31

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	5	mg/Kg	06/07/2001 12:41	

To: **Aqua Science Engineers, Inc.**
Attn: Dave Allen

Test Method: 7420
Prep Method: 3050B

Batch QC Report

Total Lead by AA

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/07-01.17**

LCS: 2001/06/07-01.17-011 Extracted: 06/07/2001 09:31 Analyzed 06/07/2001 12:41
LCSD: 2001/06/07-01.17-012 Extracted: 06/07/2001 09:31 Analyzed 06/07/2001 12:42

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	257	264	250	250	102.8	105.6	2.7	85-115	20		

2001-06-0107 59692

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE) D. Allen (PHONE NO.) 820-9391

PROJECT NAME Magnolia Street LLC. JOB NO. 3685

ADDRESS Peralta St., Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) ____	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/7 OXY'S / HVOCS (EPA 8260)	Total Lead	STLC Lead	COMPOSITE 4:1
STKP-A-1	6/5		Soil	1																		X
STKP-A-2	↓		↓	1																		X
STKP-A-3				1																		X
STKP-A-4	↓		↓	1																		X
STKP-A (1-4)																				X	X	

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) D. Allen (time) 1140	(signature) (time) 1140	(signature) (time) 1731	(signature) Denise Harrington (time)	
(printed name) D. Allen (date) 6/5/01	(printed name) (date) 6/5/01	(printed name) (date) 6/6/01	(printed name) D. Harrington (date) 1731	TURN AROUND TIME
Company- ASE	Company- STL-CC	Company- STL-CC	Company- STL-CC 6/6/01	STANDARD 24Hr 48Hr 72Hr
				OTHER:

Aqua Science Engineers, Inc.
208 West El Pintado Road
Danville, CA 94526

Attn.: Mr. Dave Allen

Project: 3685
Magnolia Street LLC

Site: Peralta St., Oakland

Dear Mr. Allen,

Attached is our report for your samples received on Wednesday June 6, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 21, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CAM W.E.T. (STLC) Lead

Aqua Science Engineers, Inc.

208 West El Pintado Road
Danville, CA 94526

Attn: Dave Allen

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Site: Peralta St., Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-B(1-4)	Soil	06/06/2001	1

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-06-0106

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**STKP-B(1-4)**	Lab Sample ID:	**2001-06-0106-001**
Project:	3685 Magnolia Street LLC	Received:	06/06/2001 17:31
Site:	Peralta St., Oakland	Extracted:	06/11/2001 10:23
Sampled:	06/06/2001	QC-Batch:	2001/06/11-11.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	0.53	0.50	mg/L	1.00	06/11/2001 12:24	

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
CAM W.E.T. (STLC) Lead

Method Blank | **Soil** | **QC Batch # 2001/06/11-11.15**

MB: 2001/06/11-11.15-011 | Date Extracted: 06/11/2001 10:23

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	06/11/2001 11:44	

To: **Aqua Science Engineers, Inc.**
Attn: Dave Allen

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/11-11.15**

LCS: 2001/06/11-11.15-012 Extracted: 06/11/2001 10:23 Analyzed 06/11/2001 11:48
LCSD: 2001/06/11-11.15-013 Extracted: 06/11/2001 10:23 Analyzed 06/11/2001 11:53

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.52	4.60	5.00	5.00	90.4	92.0	1.8	80-120	20		

Total Lead

Aqua Science Engineers, Inc.

208 West El Pintado Road
Danville, CA 94526

Attn: Dave Allen

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Site: Peralta St., Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-B(1-4)	Soil	06/06/2001	1

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3050B

Total Lead

Sample ID:	**STKP-B(1-4)**	Lab Sample ID:	**2001-06-0106-001**
Project:	3685 Magnolia Street LLC	Received:	06/06/2001 17:31
Site:	Peralta St., Oakland	Extracted:	06/11/2001 10:36
Sampled:	06/06/2001	QC-Batch:	2001/06/11-06.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	21	1.0	mg/Kg	1.00	06/11/2001 15:40	

To: **Aqua Science Engineers, Inc.**
Attn.: Dave Allen

Test Method: 6010B
Prep Method: 3050B

Batch QC Report
Total Lead

Method Blank | **Soil** | **QC Batch # 2001/06/11-06.15**

MB: 2001/06/11-06.15-050 | Date Extracted: 06/11/2001 10:36

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	1.0	mg/Kg	06/11/2001 17:04	

To: **Aqua Science Engineers, Inc.**
Attn: Dave Allen

Test Method: 6010B
Prep Method: 3050B

Batch QC Report

Total Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/11-06.15**

LCS: 2001/06/11-06.15-051 Extracted: 06/11/2001 10:36 Analyzed 06/11/2001 17:11
LCSD: 2001/06/11-06.15-052 Extracted: 06/11/2001 10:36 Analyzed 06/11/2001 17:15

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	87.0	90.2	100.0	100.0	87.0	90.2	3.6	80-120	20		

2001-06-0106 59691

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE) D. Allen (PHONE NO.) 820-9391

PROJECT NAME Magnolia Street LLC JOB NO. 3685

ADDRESS Peralta St, Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) ____	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/7 OXY'S / HVOCS (EPA 8260)	Total Lead	STLC Lead	COMPOSITE 4 in 1
STKP-B-1	6/5		Soil	1																		X
STKP-B-2	↓		↓	1																		X
STKP-B-3				1																		X
STKP-B-4				1																		X
STKP-B (1-4)																				X	X	

RELINQUISHED BY: D. Allen 1144 (signature) (time)
D. Allen 6501 (printed name) (date)
Company- ASE

RECEIVED BY: 1144 (signature) (time)
(printed name) (date)
Company- STL-CL

RELINQUISHED BY: 1731 (signature) (time)
(printed name) (date) 6/6/01
Company- STL-CL

RECEIVED BY LABORATORY: D. Harrington (signature) (time)
D. Harrington 1731 (printed name) (date)
Company- STL-CL 6/6/01

COMMENTS:

TURN AROUND TIME
~~STANDARD~~ 24Hr 48Hr 72Hr
OTHER:

APPENDIX C

Analytical Reports and
Chain of Custody Documents
For Stockpiled Soil Samples
Collected on June 28, 2001

Aqua Science Engineers, Inc.
208 West El Pintado
Danville, CA 94526

Attn.: .

Project: 3685
Magnolia Street LLC

Attached is our report for your samples received on Thursday June 28, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after August 12, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CAM W.E.T. (STLC) Lead

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: .

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-A1-4	Soil	06/28/2001 12:50	1

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 6010B
Prep Method: 3005A

CAM W.E.T. (STLC) Lead

Sample ID:	**STKP-A1-4**	Lab Sample ID:	**2001-06-0531-001**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	07/02/2001 05:53
Sampled:	06/28/2001 12:50	QC-Batch:	2001/07/02-01.15
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	2.8	0.50	mg/L	1.00	07/02/2001 10:58	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
CAM W.E.T. (STLC) Lead

Method Blank | **Soil** | **QC Batch # 2001/07/02-01.15**

MB: 2001/07/02-01.15-011 | Date Extracted: 07/02/2001 05:53

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.50	mg/L	07/02/2001 10:22	

To: **Aqua Science Engineers, Inc.**
Attn: .

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

CAM W.E.T. (STLC) Lead

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/07/02-01.15**

LCS: 2001/07/02-01.15-012 Extracted: 07/02/2001 05:53 Analyzed 07/02/2001 10:27
LCSD: 2001/07/02-01.15-013 Extracted: 07/02/2001 05:53 Analyzed 07/02/2001 10:31

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	4.78	4.85	5.00	5.00	95.6	97.0	1.5	80-120	20		

Total Lead by AA

Aqua Science Engineers, Inc.

208 West El Pintado
Danville, CA 94526

Attn: .

Phone: (925) 820-9391 Fax: (925) 837-4853

Project #: 3685

Project: Magnolia Street LLC

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
STKP-A1-4	Soil	06/28/2001 12:50	1
STKP-B1	Soil	06/28/2001 13:10	2
STKP-B2	Soil	06/28/2001 13:15	3
STKP-B3	Soil	06/28/2001 13:20	4
STKP-B4	Soil	06/28/2001 13:25	5

To: **Aqua Science Engineers, Inc.**
Attn.: . .

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-A1-4**	Lab Sample ID:	**2001-06-0531-001**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	06/28/2001 17:57
Sampled:	06/28/2001 12:50	QC-Batch:	2001/06/28-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	64	5.0	mg/Kg	1.00	06/29/2001 10:24	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-B1**	Lab Sample ID:	**2001-06-0531-002**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	06/28/2001 17:57
Sampled:	06/28/2001 13:10	QC-Batch:	2001/06/28-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	30	5.0	mg/Kg	1.00	06/29/2001 10:26	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-B2**	Lab Sample ID:	**2001-06-0531-003**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	06/28/2001 17:57
Sampled:	06/28/2001 13:15	QC-Batch:	2001/06/28-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	200	5.0	mg/Kg	1.00	06/29/2001 10:26	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-B3**	Lab Sample ID:	**2001-06-0531-004**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	06/28/2001 17:57
Sampled:	06/28/2001 13:20	QC-Batch:	2001/06/28-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	240	5.0	mg/Kg	1.00	06/29/2001 10:27	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 7420
Prep Method: 3050B

Total Lead by AA

Sample ID:	**STKP-B4**	Lab Sample ID:	**2001-06-0531-005**
Project:	3685 Magnolia Street LLC	Received:	06/28/2001 14:38
		Extracted:	06/28/2001 17:57
Sampled:	06/28/2001 13:25	QC-Batch:	2001/06/28-01.17
Matrix:	Soil		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	280	5.0	mg/Kg	1.00	06/29/2001 10:27	

To: **Aqua Science Engineers, Inc.**
Attn.: .

Test Method: 7420
Prep Method: 3050B

Batch QC Report
Total Lead by AA

Method Blank | **Soil** | **QC Batch # 2001/06/28-01.17**

MB: 2001/06/28-01.17-040 | Date Extracted: 06/28/2001 17:57

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	5	mg/Kg	06/29/2001 10:13	

To: **Aqua Science Engineers, Inc.**
Attn: .

Test Method: 7420
Prep Method: 3050B

Batch QC Report

Total Lead by AA

Laboratory Control Spike (LCS/LCSD) **Soil** **QC Batch # 2001/06/28-01.17**

LCS: 2001/06/28-01.17-041 Extracted: 06/28/2001 17:57 Analyzed 06/29/2001 10:14
LCSD: 2001/06/28-01.17-042 Extracted: 06/28/2001 17:57 Analyzed 06/29/2001 10:14

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	253	251	250	250	101.2	100.4	0.8	85-115	20		

2001-06.0531

60125

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody

PAGE 1 OF 1

SAMPLER (SIGNATURE) (PHONE NO.)

PROJECT NAME Magnolia Street LLC JOB NO. 3685

ADDRESS Peralta St. Oakland

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:
72 hr TAT

SAMPLE ID.	DATE	TIME	MATRIX	NO. OF SAMPLES	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020)	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	PURGEABLE HALOCARBONS (EPA 601/8010)	VOLATILE ORGANICS (EPA 624/8240/8260)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	OIL & GREASE (EPA 5520) ____	LUFT METALS (5) (EPA 6010+7000)	CAM 17 METALS (EPA 6010+7000)	PCBs & PESTICIDES (EPA 608/8080)	ORGANOPHOSPHORUS PESTICIDES (EPA 8140 EPA 608/8080)	FUEL OXYGENATES (EPA 8260)	Pb (TOTAL or DISSOLVED) (EPA 6010)	TPH-G/BTEX/5 OXY'S (EPA 8260)	TPH-G/BTEX/7 OXY'S / HVOCS (EPA 8260)	Total Pb	WET Pb	COMPOSITE 4:1
STKP-A1	6/28	1250	S	1																		X
STKP-A2		1255																				X
STKP-A3		1300																				X
STKP-A4		1305																				X
STKP-B1		1310																		X		
STKP-B2		1315																		X		
STKP-B3		1320																		X		
STKP-B4	↓	1325	↓	↓																X		
STKP-A1-A4																				X	X	

RUSH

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:
(signature) (time) 2:38	(signature) (time)	(signature) (time)	(signature) (time) 4:38
D. Schiell 6/28/01			Rowley 06/28/01
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)
Company- Aqua Science	Company-	Company-	Company- STL-CL

COMMENTS: Composite 4:1 all 4 samples, then analyze the composite sample for total & WET Lead.

TURN AROUND TIME
STANDARD 24Hr 48Hr (72Hr)
OTHER: TEMP 4+/-2

APPENDIX D

Non-Hazardous Waste Manifests

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. [redacted] 925

TO BE COMPLETED BY THE GENERATOR

GENERATOR: MAGNOLIA ST. LLC

MAILING ADDRESS: 615 FRONT ST.

CITY, STATE, ZIP: SF CA 94111

PHONE: 415-956-1226

CONTACT PERSON: BETSEY COSTELLO

SIGNATURE OF AUTHORIZED AGENT / TITLE: * ESE Inc. | DATE: 7-11-01

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ T-Y-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL
☑ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY:
MAGNOLIA ST., LLC
1200 32nd ST.
OAKLAND CA

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER HAULER MUST COMPLETE

NAME: Marc Mund Trucking

ADDRESS: 84 Bonnie Brae Dr

CITY, STATE, ZIP: Novato Ca

PHONE: (415) 382-1680

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * | DATE:

NOTES:

TRUCK NUMBER: 34

END DUMP ☐ | BOTTOM DUMP ☐ | TRANSFER ☒

ROLL-OFF(S) ☐ | FLAT BED ☐ | VAN ☐ | DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: * | DATE:

CUBIC YARDS:

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 65060

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 925

TO BE COMPLETED BY THE GENERATOR

GENERATOR: MAGNOLIA ST., LLC

MAILING ADDRESS: XXXX 615 FRONT ST

CITY, STATE, ZIP: SF CA 94111

PHONE: 415-956-1226

CONTACT PERSON: BETSEY COSTELLO

SIGNATURE OF AUTHORIZED AGENT / TITLE: *[signature] ASE Inc.

DATE: 7-11-01

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
- ☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
- ☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE
- ☐ TREATMENT SOIL
- ☒ DISPOSAL SOIL
- ☐ CONSTRUCTION SOIL
- ☐ SLUDGE
- ☐ NON-FRIABLE ASBESTOS
- ☐ WOOD
- ☐ ASH
- ☐ OTHER

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

GENERATING FACILITY: MAGNOLIA ST., LLC
1200 32nd ST
OAKLAND CA

TRANSPORTER / HAULER MUST COMPLETE

NAME: HERNANDEZ TRUCKING

ADDRESS: [illegible]

CITY, STATE, ZIP: MANTECA CA 95336

PHONE: 209-601-5256

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *[signature]

DATE: 7/11/01

NOTES:

TRUCK NUMBER: #49

LIC. # SP946644

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐

ROLL OFF(S) ☐ FLAT BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS

DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD) DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE TO SCHEDULE CALL (209) 982-4298

MANIFEST # 65061

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. -925

TO BE COMPLETED BY THE GENERATOR

GENERATOR: MAGNOLIA ST, LLC
MAILING ADDRESS: 615 FRONT ST
CITY, STATE, ZIP: SF CA 94111
PHONE: 415-956-1226
CONTACT PERSON: BETSEY COSTELLO
SIGNATURE OF AUTHORIZED AGENT / TITLE: * D. Allen, ASE, Inc
DATE: 7-11-01

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE

☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY: MAGNOLIA STREET, LLC
1200 32nd ST.
OAKLAND CA

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER / HAULER MUST COMPLETE

NAME: ~~DENBESTE~~ J 2C
ADDRESS: 11209 Hamilton Rd
CITY, STATE, ZIP: Denair CA. 95316
PHONE: 209-667-9193
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *
DATE: 7/11/01

NOTES: Lic 9B41694
TRUCK NUMBER: 12498

☒ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER
☐ ROLL-OFF(S) ☐ FLAT-BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *
DATE:

CUBIC YARDS:

DISPOSAL METHOD: (TO BE COMPLETED BY FORWARD)	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE
TO SCHEDULE CALL (209) 982-4298

MANIFEST # 65055

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. - 925

TO BE COMPLETED BY THE GENERATOR

GENERATOR: MAGNOLIA ST., LLC

MAILING ADDRESS: 615 FRONT ST.

CITY, STATE, ZIP: SF CA 94111

PHONE: 415-956-1226

CONTACT PERSON: BETSEY COSTELLO

SIGNATURE OF AUTHORIZED AGENT / TITLE: * C. Allen ASE Inc.

DATE: 7-11-01

REQUIRED PERSONAL PROTECTIVE EQUIPMENT:
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE:

- ☐ TREATMENT SOIL
- ☒ DISPOSAL SOIL
- ☐ CONSTRUCTION SOIL
- ☐ SLUDGE
- ☐ NON-FRIABLE ASBESTOS
- ☐ WOOD
- ☐ ASH
- ☐ OTHER

GENERATING FACILITY: MAGNOLIA ST. LLC
1200 32nd ST.
OAKLAND CA

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER / HAULER MUST COMPLETE

NAME: Jeff Stephens

ADDRESS: 3152 Hwy 140

CITY, STATE, ZIP: Catheys Valley CA. 95306

PHONE: (209) 742-6572

SIGNATURE OF AUTHORIZED AGENT OR DRIVER: * Jeff Stephens

DATE: 7-11-01

NOTES: Lic# SP73971

TRUCK NUMBER: 317

END DUMP ☒ BOTTOM DUMP ☐ TRANSFER ☐

ROLL-OFF(S) ☐ FLAT BED ☐ VAN ☐ DRUMS ☐

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

Forward shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. Forward shall use reasonable efforts to promptly notify Disposer of its inability to accept the waste for any reason. If Forward's refusal to accept the waste is based on weather or other site conditions, Forward shall notify the Disposer when site conditions are expected to change such that Forward will be able to accept the waste.

REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

DISPOSAL METHOD (TO BE COMPLETED BY FORWARD)

	DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 65056

FORWARD INCORPORATED

NON-HAZARDOUS WASTE MANIFEST
WASTE TREATMENT AND DISPOSAL FACILITY

JOB ACCEPTANCE NO. 965

TO BE COMPLETED BY THE GENERATOR

GENERATOR: MAGNOLIA ST. LLC
MAILING ADDRESS: 615 FRONT ST.
CITY, STATE, ZIP: SF CA 94111
PHONE: 415 - 956 - 1226
CONTACT PERSON: BETSEY COSTELLO
SIGNATURE OF AUTHORIZED AGENT / TITLE: *Owner KSE Inc.
DATE: 7-11-01

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

WASTE TYPE
☐ TREATMENT SOIL
☒ DISPOSAL SOIL
☐ CONSTRUCTION SOIL
☐ SLUDGE
☐ NON-FRIABLE ASBESTOS
☐ WOOD
☐ ASH
☐ OTHER

GENERATING FACILITY: MAGNOLIA ST LLC
1200 32nd ST.
OAKLAND CA

RECEIVING FACILITY

FORWARD INC. LANDFILL
9999 SOUTH AUSTIN ROAD
MANTECA, CALIFORNIA 95336
(209) 982-4298 PHONE
(209) 982-1009 FAX

TRANSPORTER / HAULER MUST COMPLETE

NAME: HOWELL MARSHBANKS
ADDRESS: 1201 MARBLE ST
CITY, STATE, ZIP: SANTA ROSA CALIF 95401
PHONE: 707 - 544-6787
SIGNATURE OF AUTHORIZED AGENT OR DRIVER: *Howell Marshbanks
DATE: 7-11-01

NOTES:

TRUCK NUMBER: 9B71025

☐ END DUMP ☐ BOTTOM DUMP ☐ TRANSFER
☐ ROLL OFF(S) ☐ FLAT BED ☐ VAN ☐ DRUMS

FACILITY REQUIREMENTS

FORWARD INC. LANDFILL

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REMARKS:

FACILITY TICKET NUMBER:

SIGNATURE OF AUTHORIZED AGENT: *

DATE:

CUBIC YARDS:

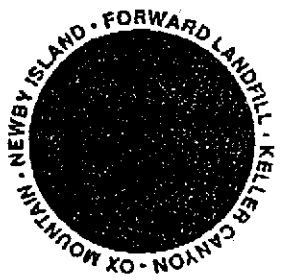
DISPOSAL METHOD	(TO BE COMPLETED BY FORWARD) DISPOSE	BIO	AERATE	STOCKPILE	OTHER
☐ SOIL					
☐ SLUDGE					
☐ NON-FRIABLE ASBESTOS					
☐ WOOD					
☐ ASH					
☐ OTHER					

SCHEDULING MUST BE MADE PRIOR TO 4:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. TO SCHEDULE CALL (209) 982-4298

MANIFEST # 65057

APPENDIX E

Certificate of Disposal



NORTHERN CALIFORNIA SALES OFFICE • SPECIAL WASTE

Forward • Keller Canyon • Newby Island • Ox Mountain

ALLIED WASTE COMPANIES

Fax: (925) 837-4853

July 9, 2001

Aqua Science Engineers, Inc.
208 W. El Pintado Road
Danville, CA 94526

Attention: Dave Allen

RE: **FORWARD, INC.** Approval No. 925
Lead Contaminated Soil from 1200 32nd Street

Dear Mr. Allen:

FORWARD, INC. is pleased to confirm the disposal of 173.96 tons of material from the referenced site. The material was received at our Manteca, California facility on July 11, 2001. The waste was placed in a Class II waste management unit.

Approval for this material was based on the information provided in the waste profile and associated materials submitted by Aqua Science Engineers, Inc., dated July 9, 2001 on behalf of the Magnolia Street, LLC. Acceptance of the waste is subject to the "Terms and Conditions" agreed to and signed by Magnolia Street, LLC in the waste profile.

Thank you for the opportunity to be of service. Should you have any questions regarding this matter, please do not hesitate to contact me or our Customer Service at (800) 204-4242.

Sincerely,

FORWARD, INC.

Susan Allala

Susan Allala
Customer Service Manager