



PROTECTION

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APR 13 1998

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street  
San Francisco, CA 94105-3901

Gordon Coleman  
Alameda County Department of Environmental Health  
Environmental Protection Division  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
April 7, 1998

Re: Transmittal of Removal Action Completion Report for Verdese Carter Park Site

Dear Mr. Coleman,

Enclosed for your information is the Removal Action Completion Report for the Verdese Carter Park site prepared by Parsons Engineering Science, Inc., on behalf of AlliedSignal, Inc. This report summarizes the removal action activities conducted at the Phase I and II properties at Verdese Carter Park. This is the final document for these properties. Please contact me at 415/744-2243 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Loren Henning".

Loren Henning  
EPA VCP Project Manager

Enclosure

cc w/o enclosure: Thomas Tse, Cal/EPA

**REMOVAL ACTION  
COMPLETION REPORT FOR  
«Address»**

**Parcel Number: «Property\_No»**

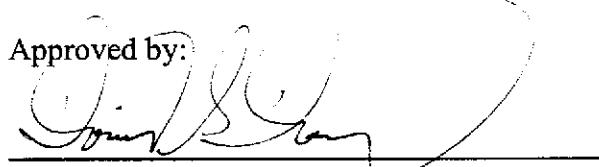
**VERDESE CARTER PARK PROJECT  
Oakland, California**

*Prepared for*

**AlliedSignal, Inc.**

**12 February 1998**

Approved by:

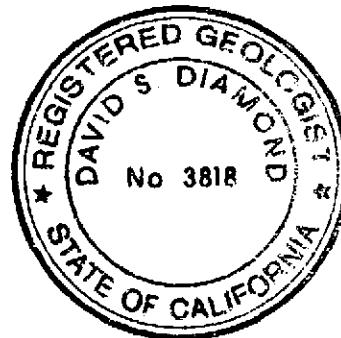


David S. Diamond, Ph.D., R.G.  
Project Manager



Samuel Collins

Technical Director



U.S. Environmental Protection Agency (EPA) Region IX

**REMOVAL ACTION  
COMPLETION REPORT FOR  
«Address»**

**Parcel Number: «Property\_No»**

**Verdese Carter Park Project  
Oakland, California**

Site CERCLIS Number: CAD98049613

*Prepared for*

**AlliedSignal, Inc.**

*Prepared by*

**PARSONS ENGINEERING SCIENCE, INC.**  
*2101 WEBSTER STREET, OAKLAND, CA 94612 • 510/891-9085*  
*OFFICES IN PRINCIPAL CITIES*

**12 February 1998**

**EPA Remedial Project Manager  
Loren Henning  
(415) 744-2243**

For EPA use:

Received by Site Assessment Manager: \_\_\_\_\_ Date: \_\_\_\_\_  
Reviewed by: *Loren Henning* Date: \_\_\_\_\_  
Status:  Approved  Not Approved

Expedited Review? Yes  No  
Received by QA Management Section: \_\_\_\_\_ Date: \_\_\_\_\_  
Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Status:  Approved  Not Approved

Concurrence: \_\_\_\_\_ Date: \_\_\_\_\_

Chief, Quality Assurance  
Management Section  
Environmental Services Branch, OPM

*Not required*

## EXECUTIVE SUMMARY

Parsons Engineering Science, Inc. was retained by AlliedSignal, Inc. to oversee Removal Actions on lead-containing soils at 24 residential properties near Verdese Carter Park in Oakland, California. The presence of lead in surface soil at homes in the Verdese Carter Park neighborhood is due to one or more of the following sources: naturally occurring lead in the soil; lead-based paint on residences; automobile emissions; battery factory emissions. To clean up potentially unsafe levels of lead, soil was removed from the yards of homes near the park that had an average of over 1,000 parts per million (ppm or mg/kg) lead, regardless of the source(s) of lead. The property described in this report, «Address», met that criteria.

All work was performed under the oversight of the U.S. Environmental Protection Agency. The Final Removal Action Workplan for Phase 1 and 2 RA Properties, which described how the work was to be conducted, was issued on 18 July, 1996. All soil with concentrations greater than 500 ppm lead was removed and transported to a permitted landfill. After soil removal, samples were collected and analyzed to ensure that the remaining soil contained less than 500 ppm lead. The soil remaining at «Address» now contains much less than 500 ppm lead, which is considered an appropriate cleanup level by the U.S. Environmental Protection Agency, and no further work is needed at this property to address lead in soil.

## 1. Introduction

### 1.1 General

This Removal Action Completion Report describes the results of a Removal Action (RA) that was conducted at «Address» near the former battery manufacturing facility at the Verdese Carter Park site in Oakland, California. The RA was part of a larger effort that involved soil remediation at a number of residential properties in the neighborhood surrounding Verdese Carter Park, and consisted of:

- Removal of contaminated soil from residential properties targeted by the U.S. Environmental Protection Agency (USEPA) for cleanup
- Collection and analysis of confirmation soil samples to ensure that the cleanup standard of 500 milligrams per kilogram (mg/kg, equivalent to parts per million [ppm]) lead in soil was met. The cleanup standard was established by USEPA in the Verdese Carter Park Action Memorandum (USEPA 1995)
- Backfilling of excavated areas
- Site restoration

The soil removal work was conducted under the oversight of the U.S. Environmental Protection Agency (USEPA) Region IX. AlliedSignal, Inc. (AlliedSignal) funded the remedial action and retained the following subcontractors to do the work:

- Parsons Engineering Science, Inc. (Parsons ES) conducted pre-excavation sampling, and oversight of soil removal and restoration activities, and post-excavation confirmation sampling
- Environmental Science and Engineering, Inc. (ESE) conducted laboratory analyses
- Smith Environmental Technologies Corporation (Smith Environmental) conducted soil removal and site restoration

### 1.2 Objectives

The objectives of the Removal Action (RA) were to:

1. Remove all soil from residential yard areas containing lead concentrations that exceeded the lead cleanup standard..
2. Restore those areas as closely as possible to their pre-removal condition.

### 1.3 *Background*

#### 1.3.1 Lead Sources

The Verdese Carter Park Project described in this report was initiated primarily to address possible lead contamination associated with the former Prestolite battery factory situated in the southeast half of the area presently occupied by the park. However, multiple past and present potential sources may have contributed to surface soil lead in the Verdese Carter Park area. The most common sources are the following, and are discussed in further detail in the RSI Workplan (Parsons ES 1996a):

- Naturally occurring lead exists in the soil at low concentrations, generally less than 50 mg/kg.
- Lead-based paint was used on most older (i.e. pre-1970s) painted structures (e.g. homes, garages, fences, painted sidewalks). Therefore, surface soil close to most older structures (or in places where older structures previously existed) may have elevated lead concentrations due to past scraping and wearing away of paint. Surface-soil lead concentrations close to buildings (i.e. less than 5 feet from walls) are highly variable, and generally range from several hundred to several thousand mg/kg in older urban flatland areas of Oakland and Berkeley.
- Automobile emissions deposited lead throughout urban areas prior to the abolition of leaded fuels in the mid-1980s. Therefore, essentially all surface soil in urban areas of Oakland, particularly near major traffic arteries (e.g. 98th Avenue), exhibit lead concentrations elevated above natural background levels. Regional studies show that surface-soil lead concentrations are typically several hundred mg/kg over broad urban areas of Oakland and Berkeley, even in locations away from other potential sources (e.g. painted structures). Therefore, these lead levels are apparently derived largely from automobile emissions. In general, lead deposition from automobile emissions is expected to be fairly uniform over a property's yard area, although concentrations are likely to be elevated where runoff from rooftops occurs (i.e. beneath gutter downspouts).
- A battery factory occupied the southeast half of present-day Verdese Carter Park between approximately 1912 and 1975. When the factory was built, there were few homes in the area. During later years while the factory was operating, the surrounding area was developed into a primarily residential neighborhood. Therefore, dust emissions from both rooftop vents and a stack at the battery factory may have deposited lead dust into surface soil in residential yards. Deposition would have occurred in the predominant downwind direction (east) from the factory. However, air dispersion modelling results (Parsons ES, 1997a) indicate that lesser amounts of deposition may have occurred in other directions from the former factory.

### 1.3.2 Previous Sampling and Cleanup Work

#### *Park and School Cleanups*

- Between 1976 and 1995, soil sampling and soil removal occurred at both Verdese Carter Park and at E. Morris Cox school.
- The work at the park resulted in cleanup of both: arsenic (a poisonous metal) that was found in the imported gravel used for building the park, and; lead from the battery factory.
- The work at the school resulted in cleanup of lead derived from various sources, as described above under "Lead Sources".
- The cleanup is now complete at both the park and school.

#### *Phase 1 and 2 Residential Sampling and Cleanups*

- In 1995, EPA conducted preliminary sampling for lead in both soil and paint at homes surrounding Verdese Carter Park, and found high levels of lead in soil and/or paint at some homes.
- EPA then proposed that soil be removed in two phases (Phases 1 and 2) from the 28 properties where the average lead concentrations in soil samples was greater than approximately 1,000 parts per million.
- During 1996, soil was removed from all Phase 1 and 2 homes where property owners wished to have the work conducted. The work was funded by AlliedSignal, Inc., and was conducted by AlliedSignal contractors. This report describes the results of that work at «Address».
- EPA also proposed sampling for, and cleanup of, other lead hazards (primarily lead-based paint) at the 28 Phase 1 and 2 homes. This work has been conducted by the Alameda County Lead Poisoning Prevention Program (ACLPPP) at properties where owners have applied to ACLPPP for services.

### 1.3.3 Future Work

Soil samples are now being collected from approximately 57 additional properties in the neighborhood. Properties were selected for this additional sampling because they were either outside the area previously sampled in areas that may have received airborne lead dust, or were inside the area previously sampled, but did not have sufficient sampling data to determine whether or not cleanup was needed. This sampling phase is referred to as Phase 3, and is being conducted to:

- Find out which parts of the overall neighborhood may have received lead dust from the battery factory.

- Determine whether cleanup is needed at the Phase 3 properties

At the conclusion of Phase 3 sampling, and any needed cleanups of Phase 3 properties, a report will be made produced and made available to the public which describes the overall results of neighborhood soil sampling and cleanup work.

#### 1.3.4 Further Information

More detailed information about the Verdese Carter Park Project may be obtained from the following Parsons Engineering Science reports, and from other documents in the USEPA Administrative Record. This information is available for review at the EPA Records Center at 75 Hawthorne Street in San Francisco:

- Removal Site Inspection (RSI) Workplan (Parsons ES 1996a). This report describes soil sampling activities at properties slated for a two phase (Phase 1 and Phase 2) time-critical soil removal action.
- Quality Assurance Project Plan (QAPjP) (Parsons ES 1996b). This report describes data quality assessment criteria and laboratory quality control procedures for all project sampling activities.
- Site Safety and Health Plan (SSHP) (Parsons ES 1996c). This report governs safety- and health-related requirements and procedures for conducting project fieldwork.
- Property-specific RSI Technical Memoranda for 19 of the Phase 1 and Phase 2 soil removal action properties (Parsons ES 1996d). The Technical Memoranda describe RSI sampling results and give recommendations for soil removal areas at each property.
- Removal Action (RA) Workplan (Parsons ES 1996e) which describes the procedures to be used for conducting the Phase 1 and Phase 2 soil removals.
- Data Quality Assessment Reports Nos. 1, 2, and 3 (Parsons ES 1996f) which describes data quality parameters associated with data collected during the RSI, RA and SI project phases.
- Site Inspection (SI) Workplan (Parsons ES 1996a). This report describes soil sampling activities at properties identified as part of the Phase 3 time-critical soil removal action.

## 2. Soil Removals

### 2.1 Cleanup Approach

Insufficient data has been gathered to date in the Verdese Carter Park area to determine the extent of contamination that may be associated with battery factory emissions. In order to address community concerns regarding potential hazards in a short time frame, USEPA requested that soil removals be conducted at each property within a 1-block radius around the park where the average of surface soil lead concentrations measured in samples collected by

USEPA contractors exceeded approximately 1,000 mg/kg. The property located at «Address» met that criteria.

The USEPA selected a property-specific cleanup standard of 500 mg/kg mean soil lead concentration. In order to meet this standard, all soil adjacent to samples containing in excess of 500 mg/kg was generally removed, except where excavations threatened mature trees.

The following approach was used for soil removals at each property:

As a minimum, all soil within 5 feet of the walls of houses, apartments or garages (referred to hereinafter as "dripline areas") was selected for excavation. These areas were selected for removals without collection of additional samples because soil sample data throughout the Verdese Carter Park area, and in other areas of Oakland and Berkeley with similar age housing, show that dripline area soil is contaminated, apparently due to the combined effects of exterior lead-based paint, and concentration by roof runoff of automobile, and in some cases, industrial emissions (Parsons ES 1996a).

Non-dripline areas of each property were sampled using a systematic random sampling method described in the RSI Workplan (Parsons ES 1996a). The new samples were analyzed for lead, and the results were combined with existing USEPA data to determine which areas of the property potentially exceeded cleanup standards, and therefore should be excavated. The sample results and soil removal recommendations were presented in the property-specific RSI Technical Memorandum (Parsons ES 1996f).

The selected areas were excavated to a depth of at least 1 foot below ground surface (bgs), except where paved, or where unfeasible due to potential undermining of structures, or adverse effects on landscape features (e.g. permanent trees). Confirmation samples were then collected at the base and along the sides of each excavation, as described in Section 3, then analyzed for lead. If confirmation samples showed that lead concentrations still exceeded 500 mg/kg, additional soil was excavated and new confirmation samples were collected. In cases where removal of 1 foot of soil would threaten a mature tree, as much soil as possible was removed by hand and confirmation samples were then collected beneath the tree. If confirmation samples contained more than 500 mg/kg lead, then either the tree was removed, or with permission from the property owner, up to 840 mg/kg was left in place in subsurface soil beneath the tree.

## **2.2 Excavation Methods**

Cleanup methods used for the soil removal work were described in detail in the Removal Action Workplan (Parsons ES 1996d), and are summarized below:

Each property was temporarily fenced, then cleared of shrubs, trees and any debris.

Soil was excavated with small-skid-steer loaders, in combination with a small-tracked excavator, and hand excavation work where necessary. Excavated material was loaded onto trucks and transported to a permitted disposal facility

### **2.3 Health and Safety**

Dust control measures consisted of the application of water mists on exposed surface soils during excavation and loading.

All personnel entering the established work zones complied with a Health and Safety Plan (Parsons ES 1996b, 1996d). Air monitoring was conducted using personnel air samplers on a periodic basis. In addition, continuous perimeter air monitoring was conducted at three air sampling stations located upwind, downwind, and crosswind of work areas to ensure that workers, neighbors, and residents were not exposed to unacceptable levels of dust and airborne lead.

## **3. Confirmation Sampling and Analysis**

All confirmation samples were collected and analyzed in accordance with procedures described in the following publicly available documents:

- Removal Action Workplan (RA Workplan), which describes excavation procedures and sampling methods (Parsons ES 1996d)
- Quality Assurance Project Plan (QAPP), which describes data quality assessment criteria and laboratory quality control procedures (Parsons ES 1996c)
- Site Safety and Health Plan (SSHP), which governs safety- and health-related requirements and procedures for conducting project fieldwork (Parsons ES 1996b).

### **3.1 Sample Collection**

Confirmation soil samples were collected at the base of each excavation area (approximately one sample per 450 square feet) to verify that lead concentrations were less than 500 mg/kg. In addition, surface soil confirmation samples were taken at the edges of each excavation area except where either: the excavation was bounded by a wall, sidewalk, property boundary, etc., or; delineation samples containing less than 500 mg/kg lead were previously collected at the excavation edge. The excavation was left open while confirmation samples were analyzed. Where confirmation samples exceeded 500 mg/kg lead, the excavation areas were deepened up to 2 feet below the original ground surface and/or widened until subsequent confirmation samples contained less than 500 mg/kg lead. As indicated above, with the property owner's permission, soil containing up to 840 mg/kg was left in place in excavation areas beneath mature trees, so as not to damage tree roots. The locations of all final confirmation samples are shown on Figure A-«Property\_No»-1 (Appendix A). The geometry of the final excavation areas are shown on the as-built drawing in Appendix B.

### **3.2 Analytical Results**

All confirmation samples were analyzed by ESE laboratory for total lead using EPA-approved method 6010. The analytical reports and associated request-for-analysis and chain-of-custody forms are presented in Appendix C.

Final confirmation sample results are shown in Figure A-«Property\_No»-1 and on Table A-«Property\_No»-01 (Appendix A). Results are given in mg/kg (equivalent to parts per million) lead on a dry weight basis.

### **3.3 Data Quality**

The collection and analysis of all environmental samples is subject to instrumentation and human error. To ensure that the reported lead concentrations were accurate and precise, various quality control (QC) samples were analyzed for lead. The following section briefly describes the types of QC samples used for this project. These QC samples and their purpose are more fully described in the Quality Assurance Project Plan and the RA Workplan. A Data Quality Assessment Report (Parsons ES, 1996e) describes the validation results for all laboratory generated data. The data quality assessment for this property is discussed below.

#### **3.3.1 Duplicates**

Field duplicates were used to determine whether analytical results were reproducible. After the required amount of soil was collected at each specified duplicate sample location, the soil was mixed thoroughly and divided between two containers. One sample then became the primary sample and the other a duplicate. Both were submitted to the laboratory for analysis using a sample identification system that did not distinguish the duplicate sample from the primary sample (i.e. a "blind" sample). Thus the laboratory could not distinguish which samples were duplicates and had no knowledge of which primary sample is associated with which duplicate. Field duplicates were collected at a frequency of one per 10 primary samples, with at least one collected at each property. Duplicate sample results are shown on Figure A-«Property\_No»-1 as sample locations that have two associated concentration values.

USEPA collected additional duplicate samples for 150 of the 363 RA confirmation samples collected from the Phase 1 and Phase 2 properties. All of the USEPA duplicates were analyzed using an X-Ray Fluorescence (XRF) method, and 10% of those were also analyzed using a USEPA-approved laboratory method. The purpose of these USEPA duplicate samples was to provide an independent assessment of the reproducibility and comparability of the analytical results. Therefore, the USEPA duplicate results are not shown on the figures, and comparison of the USEPA duplicates with the laboratory analytical samples collected by Parsons ES should be viewed only as a qualitative comparison of two independent analysis methods. A comparison between the actual laboratory results used for confirmation sampling and the USEPA duplicate XRF results for the entire Phase 1 and Phase 2 Removal Action are presented in Appendix D.

### 3.3.2 Equipment Blanks

Equipment blanks are used to determine whether sampling equipment is adequately cleaned between samples. After collecting a sample, the sampling equipment (trowels, drive samplers, bowls) was cleaned using standard procedures and then rinsed with lead-free water. This water was collected, placed in a polyethylene bottle, and sent to the laboratory for analysis. Equipment blanks were collected at a frequency of one per day. No lead was detected in any equipment blanks collected during the sampling, indicating that sampling equipment was adequately cleaned.

### 3.3.3 PE Samples

Performance evaluation (PE) samples are used to test the accuracy of the laboratory methods and equipment. Commercially available samples were purchased from a source recommended by USEPA containing a known concentration of lead (in this case 500 ppm). PE samples were periodically submitted to the laboratory with the delineation soil samples and with the confirmation samples being collected during soil removals conducted concurrently with the delineation sampling. The sample identification system used for the PE samples was designed so that the laboratory could not distinguish between PE samples and delineation or confirmation samples. Seven PE samples have been submitted and analyzed to date during delineation sampling and confirmation sampling associated with the Phase 1 and Phase 2 RA properties. All PE sample analyses were within the control limits specified by the manufacturer.

### 3.3.4 Laboratory Quality Control

Data validation was performed on confirmation samples by reviewing the reported laboratory quality control data as described in the Final Quality Assurance Project Plan (Parsons ES, 1996).

#### Precision

Precision is the measure of variability between multiple measurements of the same sample, under prescribed conditions. For this project, laboratory precision is assessed by analyzing laboratory duplicate samples, which are field samples that are split into two separate duplicate samples by the laboratory. These duplicate samples are in addition to the field duplicates described above. The agreement of duplicate analyses, when expressed in terms of relative percent difference (RPD), indicates satisfactory precision in a measurement system. The analytical precision for samples collected on this property is discussed in the summary section below.

#### Accuracy

Accuracy is the degree of agreement between a measurement and an accepted reference or true value. For this project, laboratory accuracy is assessed by analyzing various types of spiked samples and serial dilution samples.

Spiked samples are samples to which a known amount of lead has been added. After introducing a known amount of lead into a spiked sample, the sample is analyzed and the amount of lead is measured. By expressing the amount of lead measured in terms of percent recovery (%R), the accuracy of the method is determined.

Similarly, serial dilution samples are samples which have been diluted and then re-analyzed for lead. The amount of lead measured in the re-analyzed serial dilution sample is then corrected for the amount of dilution and compared to the amount of lead measured in the original sample. If the results differ by more than 10%, then the result is said to be "estimated". Differences between these results exceeding 10% are common, and in many cases are due to unavoidable "interferences" that are associated with soil characteristics.

The analytical accuracy for samples collected on this property is discussed in the summary section below.

### Representativeness

Representativeness expresses the extent to which data collected from environmental samples define site contamination. Representativeness is achieved by reducing the potential for false positive or false negative results by preparing and following a sampling and analysis plan that specifies how to properly locate, collect, handle and analyze samples. All samples were located, collected, handled and analyzed as specified in the RA Workplan (Parsons ES 1996d) and QAPP, which constitute the sampling and analysis plan for the property.

### Comparability

Comparability expresses the confidence with which one data set can be compared to another. By following standardized sample collection, sample analysis, and sample reporting protocols the results of analyses can be compared with analyses by other laboratories and/or with analyses for other sites. All confirmation samples reported here were collected using the same protocols, and therefore were comparable. However, USEPA duplicate samples were analyzed using an X-Ray Fluorescence screening method, so the comparability of these two different methods can be expressed in terms of relative percent difference (RPD). The RPD of the two methods for all USEPA duplicate confirmation samples collected during the RA study as a whole resulted in an average RPD of 27% for samples with concentrations exceeding the method detection and reporting limits (Appendix D). Qualitatively, the comparability of the two methods appears to be good.

### Completeness

Completeness is the amount of usable (non-rejected) data relative to the number of environmental samples collected and analyzed. Completeness is calculated as a percent by dividing the total number of usable data points by the total number of data points generated.

#### 3.3.5 Quality Summary

«Quality\_Summary»

## 4. Landscape Restoration

Upon completion of soil excavation and collection and analysis of confirmation soil samples, clean imported soil was transported to the property by dump trucks, and placed in the excavation(s) with small skid-steer loaders. The clean soil was acquired from two commercial soil supply sources, and generally consisted of a layer of subsoil backfill material, overlain by topsoil mixed with compost. Samples were collected and analyzed from both sources prior to initiation of the project to ensure that the soil was clean. These samples contained less than 20 ppm lead. The subsoil was wheel-rolled to provide a minimum of compaction.

Final grading was conducted to match grades established in the initial property survey.

Upon completion of backfilling, site structures and utilities were replaced in accordance with the information contained on the initial property survey.

Plantings and vegetation were replaced with healthy plantings and vegetation to match the site layout recorded in the initial property survey prior to the removal effort, unless modifications to this plan were requested by the property owner. Top soil and compost were placed and rototilled as necessary prior to emplacement of plantings. Replacement concrete, or concrete added at the request of property owners, has a specification of 4-inch thick, 2,500 pounds per square inch.

The final grade as well as the location and description of all replaced structures and replacement vegetation are shown on the final as-built drawing provided in Appendix B.

## 5. Property-Specific Findings

«Summary\_of\_Findings»

## 6. References

Bellot, Michael (USEPA) 1996, personal communication

Parsons ES, 1996a, Final Removal Site Inspection Workplan for Phase 1 and 2 RA Properties, Verdese Carter Park Project, Oakland, California, 30 April

Parsons ES, 1996b, Site Safety and Health Plan, Verdese Carter Park Project, Oakland, California, 8 April

Parsons ES, 1996c, Final Quality Assurance Project Plan, Verdese Carter Park Project, Oakland, California, 1 May

Parsons ES, 1996d, Final Removal Action Workplan for Phase 1 and 2 RA Properties, Verdese Carter Park Project, Oakland, California, 14 June.

Parsons ES, 1996e, Data Quality Assessment Report No. 3 for Phase 1 and 2 RA Properties, Verdese Carter Park Project, Oakland, California.

Parsons ES, 1996f, Final Removal Site Inspection Technical Memorandum for «Address»,  
Verdese Carter Park Project, Oakland, California

Parsons ES, 1997a, Final Site Inspection Workplan, Verdese Carter Park Project, Oakland,  
California, 3 March

U.S. Environmental Protection Agency (USEPA), 1995, Action Memorandum: "Request for  
a Removal Action at the Verdese Carter Park site, Oakland, Alameda County, CA"  
28 September (USEPA Administrative Record #40)

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**REMOVAL ACTION  
COMPLETION REPORT FOR**

**Property-Specific Data Tables**

**VERDESE CARTER PARK PROJECT  
Oakland, California**

*Prepared for*  
**AlliedSignal, Inc.**

**12 February 1998**

*Prepared by*  
**PARSONS ENGINEERING SCIENCE, INC.**  
*2101 WEBSTER STREET, OAKLAND, CA 94612 • 510/891-9085*  
*OFFICES IN PRINCIPAL CITIES*  
*7324838.03000*

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**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
Redacted	001	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in samples C-001-01, -02, -03, -04, and -05 is considered as estimated and is flagged "J" because the %R of a serial dilution laboratory sample was outside specified control limits.</p>	<p>All exposed soil was removed from the yard areas. Soil was initially excavated to a depth of 1.5 feet. Due to lead concentrations in excess of 500 mg/kg at the base of the excavation, parts of the excavations were deepened to 2 feet. Lead was undetectable in most of the confirmation samples collected from 2 feet depth, although 3 samples had detectable lead concentrations. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.</p>
Redacted	002	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in sample C-002-01 and -03 is considered as estimated and is flagged "J" because the %Rs of a serial dilution laboratory sample and of a laboratory matrix spike sample of C-002-01 were outside specified control limits.</p>	<p>All exposed soil was removed from the yard areas. Soil was initially excavated to a depth of 1.5 feet. Due to lead concentrations in excess of 500 mg/kg at the base of the excavation, some of the excavations were deepened to 2 feet. Lead was undetectable in most of the confirmation samples collected along the northwest edge of the property. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.</p>
Redacted	003	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision</p>	<p>All exposed soil was removed from the yard areas. Soil was excavated to a depth of 2 feet. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental</p>

**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
		was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in sample C-003-10 is considered estimated and is flagged "J" because the RPD of a replicate laboratory sample of C-003-10 was outside specified control limits.	Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	004	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of . Soil was excavated to a depth of 2 feet. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	005	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of . Soil was excavated to a depth of 2 feet. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	007	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	Exposed soil was removed from the dripline and curbstrip areas and from a portion of the front lawn . Soil was excavated to a depth of 1 foot in the soil removal areas. The small area of exposed soil immediately south of the driveway was not sampled during earlier sampling efforts, as discussed in the Removal Site Inspection Technical Memorandum. A sample was collected from this area immediately prior to conducting soil removals at the property, and was found to

**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
			contain 370 mg/kg lead; therefore soil was not removed from the area. After completion of the soil removal, sampling results indicate that soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	008	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas . Soil was initially excavated to a depth of 1 foot in the soil removal areas. Due to lead concentrations in excess of 500 mg/kg at the base of the excavation, the excavations were deepened to 1.5 feet in a small area within the dripline of the southwest corner of the house. Sampling results indicate that the soil remaining at the property contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	009	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in samples C-009-11, -12, -13, -14 and -15 is considered estimated and is flagged "J" because the %R of a serial dilution laboratory sample was outside specified control limits.	All exposed soil was removed from the yard areas of . Soil was initially excavated to a depth of approximately 1 foot over most of the property. Due to lead concentrations in excess of 500 mg/kg at the base of the excavation, these excavations were deepened to 2 feet. Two areas within the root zones of mature trees, both on the property and on an adjacent property, were excavated to depths of less than 1 foot in order to preserve the trees. Two confirmation samples and one duplicate sample were collected from these areas, and contained 530, 650 and 720 mg/kg lead. This

**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
			concentration is well below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within the root zone of mature trees. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of the root zone samples. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	010	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in sample C-010-12 is considered as estimated and flagged "J" because the %R of an MS sample of C-010-12 was outside specified control limits.	All exposed soil within the dripline (within 5 feet of the house and garage) and curbstrip areas of was removed to a depth of 1 foot below ground surface. Soil in other areas of the property was left in place because, as described in the Removal Site Inspection Technical Memorandum (Parsons 1996f), all samples in those areas contained relatively low lead concentrations (less than 500 mg/kg) in the range of background values normally encountered in urban areas. The information described in the Technical Memorandum suggests that soil at the property received little or no contribution from lead emissions associated with the former battery factory. Sampling results indicate that the soil remaining at the property contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	011	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met	All exposed soil was removed from the yard areas of . Soil was excavated to a depth of 1 foot below ground surface over most of the property. A small area within the dripline area at the northeast corner of the

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Address	Property No.	Quality Summary	Summary of Findings
		<p>the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in sample C-011-17 is considered as estimated and flagged "J" because the %R of an MS sample of C-011-17 was outside specified control limits.</p>	<p>house was excavated to 2 feet below ground surface due to lead concentrations exceeding 500 mg/kg at the base of the excavation. Another small area was excavated to depths of less than 1 foot within the root zone of a mature tree, in order to preserve the tree. Three confirmation samples were collected from this area, and contained 630, 410 and 210 mg/kg lead. This concentration is still well below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within the root zone of mature trees. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of the root zone samples. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.</p>
Redacted	012	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.</p>	<p>All exposed soil was removed from the yard areas of except for a small area on the northwest corner of the property. Samples in the area where soil was left in place contained less than 500 mg/kg lead, as described in the Removal Site Inspection Technical Memorandum (Parsons ES 1996f). Soil removal areas were initially excavated to a depth of 1 foot. A small front yard area within the dripline of the house was excavated to 1.5 feet below ground surface due to lead concentrations exceeding 500 mg/kg at the base of the excavation. Sampling results indicate that the soil remaining at the property contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is</p>

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Address	Property No.	Quality Summary	Summary of Findings
			needed at this property to address lead in soil.
Redacted	013	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.</p>	<p>All exposed soil was removed from the yard areas of . Soil was initially excavated to a depth of 1 foot. Lead concentrations were found in excess of 500 mg/kg at the base of the 1 foot excavation in two separate areas of the property: the area adjacent to the southwest corner of the house, and; the area immediately adjacent to and beneath the former deck attached to the north side of the house. The excavations in these two areas were deepened to 2 feet. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.</p>
Redacted	015	<p>In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in samples C-015-08, -09, -10, and -11 is considered estimated and is flagged "J" because the %R of a serial dilution laboratory sample was outside specified control limits.</p>	<p>All exposed soil was removed from the yard areas of except for an area on the northeast corner of the property. Samples in the area where soil was left in place contained less than 500 mg/kg lead, as described in the Removal Site Inspection Technical Memorandum (Parsons ES 1996f). Soil removal areas were excavated to a depth of 1 foot over most of the property. One area within the root zone of a mature tree was excavated to a depth of less than 1 foot in order to preserve the tree. The confirmation sample collected from within the root zone contained 520 mg/kg lead.. This concentration is well below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within the root zone of mature trees. Sampling results indicate that the soil remaining at the property now</p>

**Verdese Carter Park Project**  
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Address	Property No.	Quality Summary	Summary of Findings
			contains less than 500 mg/kg lead, with the exception of the root zone samples. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	016	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of to a depth of 1 foot below ground surface. One confirmation sample collected at the base of the excavation in the north portion of the front yard had a concentration of 530 mg/kg, slightly exceeding the 500 mg/kg cleanup standard. No further excavation was conducted in this area because soil removal decisions were based on the unvalidated laboratory analysis data and the EPA XRF data that were available during excavation activities. These data indicated a lead concentration of 490 mg/kg (unvalidated laboratory data) and 336 mg/kg (EPA XRF data) for that sample. Subsequent data validation procedures resulted in the increased concentration value for the laboratory sample. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of subsurface soil in the north portion of the front yard. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	017	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable	All exposed soil was removed from the yard areas of . Soil was initially excavated to a depth of 1 feet. Lead concentrations were found in excess of 500 mg/kg at the base of the excavation located beneath the front stairs at the property. The excavation in this area was

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Address	Property No.	Quality Summary	Summary of Findings
		and meet the project completeness criteria.	deepened to 2 feet. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	019	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in samples C-019-07, -10, -11, -14, -15, -16, and -17 is considered as estimated and is flagged "J" because the %R of a serial dilution laboratory sample was outside specified control limits. In addition, the %R of a post digestion spike of C-019-10 was outside specified control limits.	All exposed soil was removed from the yard areas of . Soil was initially excavated to a depth of 1 foot. However, numerous empty battery casings were discovered at approximately 1.5 feet below the ground surface in the northeast corner of the back yard. In addition, lead concentrations were found in excess of 500 mg/kg at the base of the excavation in a small area along the south side of the back yard. Both of these areas were further excavated to a depth of 2 feet. The soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	021	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of to a depth of 1 foot below ground surface. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	022	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property,	All exposed soil was removed from the yard areas of to a depth of 1 foot below ground surface. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead,

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Address	Property No.	Quality Summary	Summary of Findings
		which are judged to be representative and comparable and meet the project completeness criteria.	which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	023	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of . Soil removal areas were excavated to a depth of 1 foot below ground surface over most of the property. Three areas within the root zones of mature trees and shrubs were excavated to depths of less than 1 foot in order to preserve the trees. Seven samples were collected from within these root zone areas, and contained lead concentrations of 540, 580, 560, 590, 520, 640 and 830 mg/kg. These concentrations are at or below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within root zones of mature trees/shrubs. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of the root zone samples. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	024	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	Exposed soil was removed from the yard areas of to a depth of 1 foot below ground surface over most of the property. One area within the root zones of a mature tree was excavated to a depth of less than 1 foot in order to preserve the tree. Two samples collected within this area contained lead concentrations of 520 and 530 mg/kg. These concentrations are below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within the root zone of mature trees.

**Verdese Carter Park Project**  
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**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
			Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of the root zone samples. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	025	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from the yard areas of to a depth of 1 foot in the soil removal areas. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, which is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil
Redacted	026	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Action (RA) Workplan, overall precision and accuracy were acceptable for the data associated with this property, which are judged to be representative and comparable and meet the project completeness criteria.	All exposed soil was removed from most areas of the front yard and from the backyard dripline area of . Soil in non-dripline areas of the backyard was left in place because, as described in the Removal Site Inspection Technical Memorandum (Parsons 1996f), all samples in the area contained relatively low lead concentrations (less than 500 mg/kg) in the range of background values normally encountered in urban areas. Soil was removed to a depth of 1 foot below ground surface, except within the root zones of mature shrubs in the front yard. These areas were excavated to depths of less than 1 foot in order to preserve the shrubs. The two samples collected within the root areas contained lead concentrations of 530 and 590 mg/kg. These concentrations are below the EPA recommended cleanup level of 840 mg/kg lead for samples collected within root

**Verdese Carter Park Project**  
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**RA Closure Report - Property-Specific Data Table - Redacted Version**

Address	Property No.	Quality Summary	Summary of Findings
			zones. One confirmation sample collected at the base of the excavation contained a lead concentration of 570 mg/kg, exceeding the 500 mg/kg cleanup standard. Soil adjacent to this sample was left in place due to the risk of undermining the building's foundation. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception of subsurface soil immediately adjacent to the foundation at the south side of the house. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.
Redacted	028	In accordance with the Quality Assurance Project Plan (QAPP) and the Removal Site Inspection (RSI) Workplan, the analytical data for this property are judged to be representative and comparable, and met the project completeness criteria; overall, precision was acceptable for the data associated with this property as a whole. However, the accuracy of the lead concentration in sample C-028-05 is considered as estimated and is flagged "J" because the %R of a serial dilution laboratory sample was outside specified control limits, and the accuracy of the lead concentration in sample C-028-08 is considered as estimated and is flagged "J" because the %R of an MS sample of C-028-08 was outside specified control limits.	All exposed soil was removed from the yard areas of to a depth of 1 foot below ground surface. Several soil samples collected from the base of the excavation in the curb strip area contained in excess of 500 mg/kg lead. Therefore, the excavations were deepened to 2 feet below ground surface in this area. A subsequent confirmation sample collected from the base of the 2 foot curb strip excavation contained 670 mg/kg lead. As specified in the Removal Action Workplan, no further excavation was conducted in this area because the potential risk of exposure to soil at greater than 2 feet depth is considered insignificant. Sampling results indicate that the soil remaining at the property now contains less than 500 mg/kg lead, with the exception soil at a depth of greater than 2 feet in the curb strip area. This is considered a safe level by the U.S. Environmental Protection Agency. No further work is needed at this property to address lead in soil.

## **APPENDIX A**

### **CONFIRMATION SAMPLE RESULTS**

Figure 001-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected (detection level shown)
- - Approximate Soil Removal Areas (see following figure for detailed soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

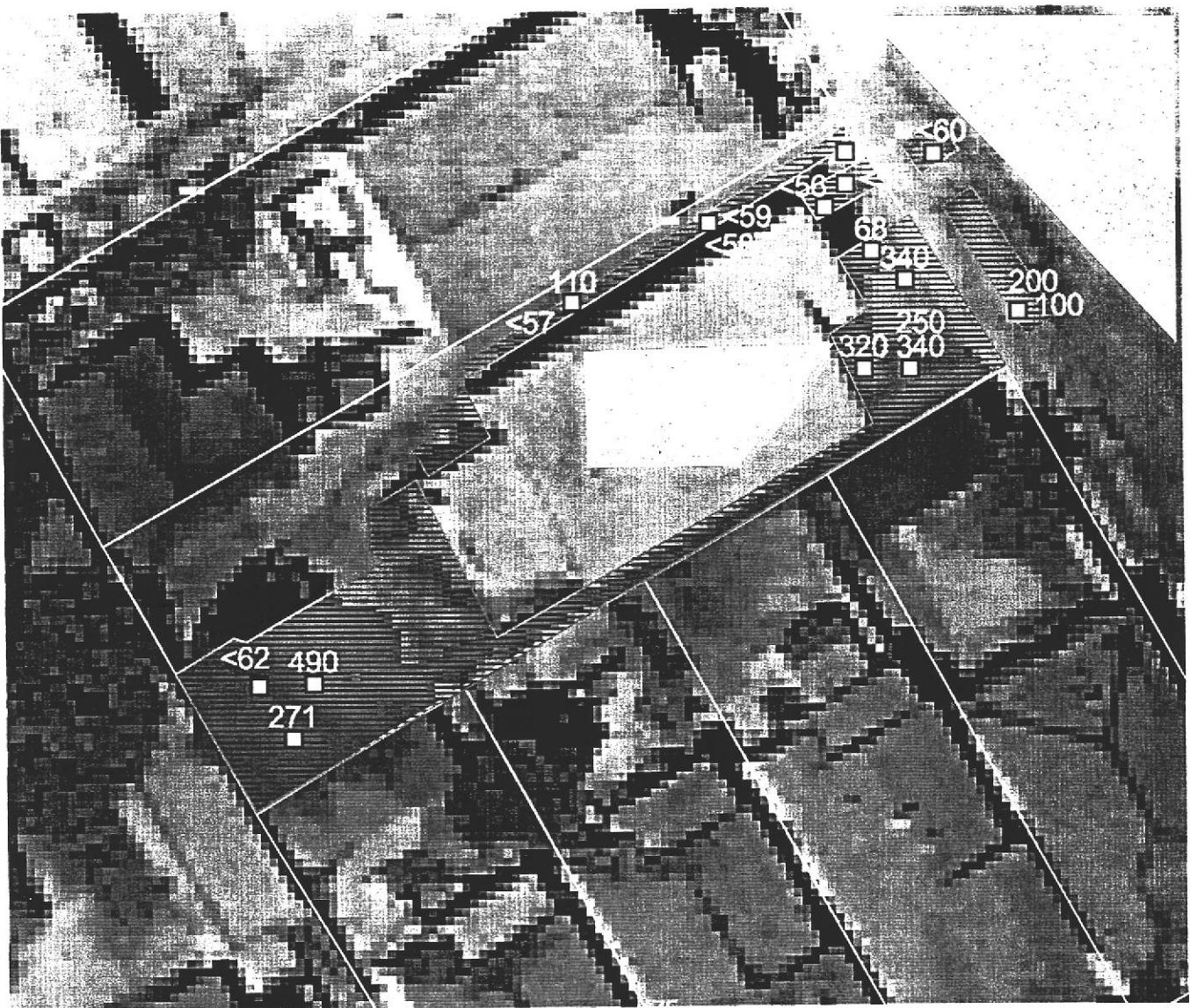
**Table A-001-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 001**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-001-02	110	
C-001-04	140	C-001-05
C-001-05	63	C-001-04
C-001-06	97	
C-001-07	<56	
C-001-08	<61	C-001-09
C-001-09	<61	C-001-08
C-001-10	<59	
C-001-11	<61	
C-001-12	<58	
C-001-13	<60	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 002-1



Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

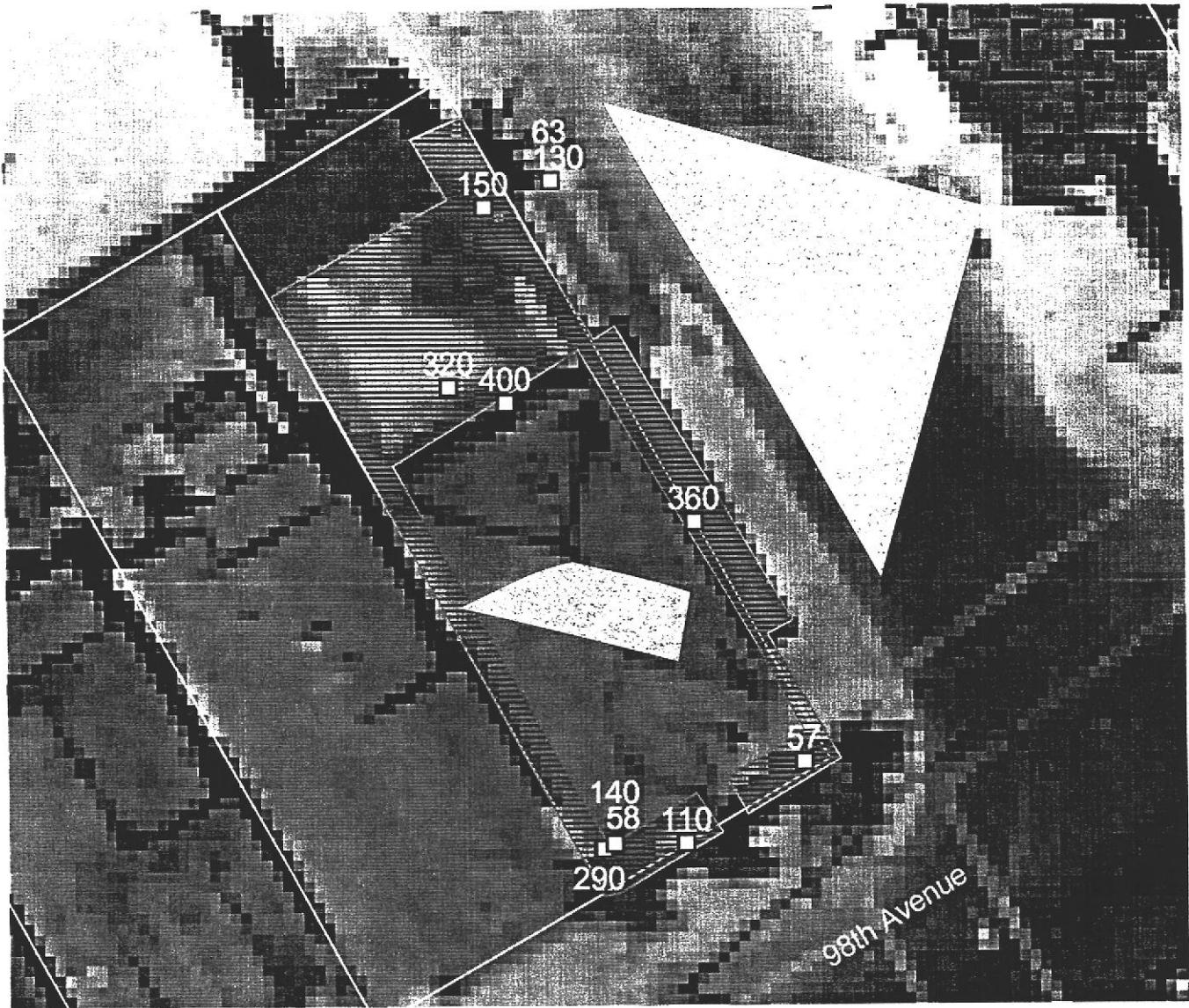
**Table A-002-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 002**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-002-02	271	
C-002-03	490	
C-002-04	110	
C-002-05	68	
C-002-06	<56	
C-002-07	320	
C-002-08	<59	C-002-10
C-002-09	110	C-002-11
C-002-10	<58	C-002-08
C-002-11	<57	C-002-09
C-002-12	<62	
C-002-13	<60	
C-002-14	100	C-002-15
C-002-15	210	C-002-14
C-002-16	<55	
C-002-17	250	C-002-18
C-002-18	340	C-002-17
C-002-19	340	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 003-1



Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

0 15 30 Feet

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- [Hatched Area] - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

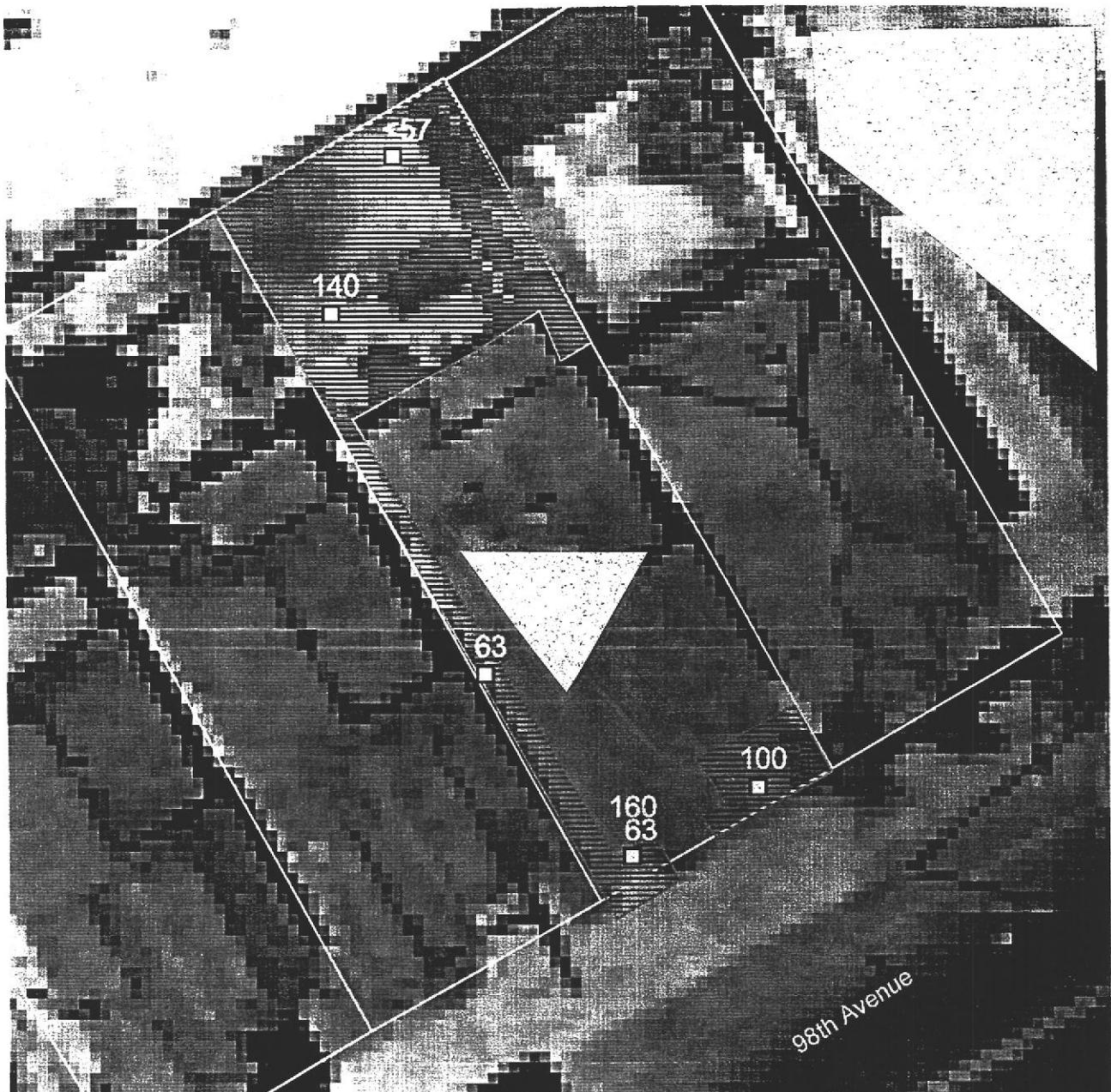
**Table A-003-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 003**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-003-01	360	
C-003-02	57	
C-003-03	110	
C-003-04	290	
C-003-05	58	C-003-06
C-003-06	140	C-003-05
C-003-07	320	
C-003-09	150	
C-003-10	400	
C-003-11	63	C-003-12
C-003-12	130	C-003-11

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 004-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

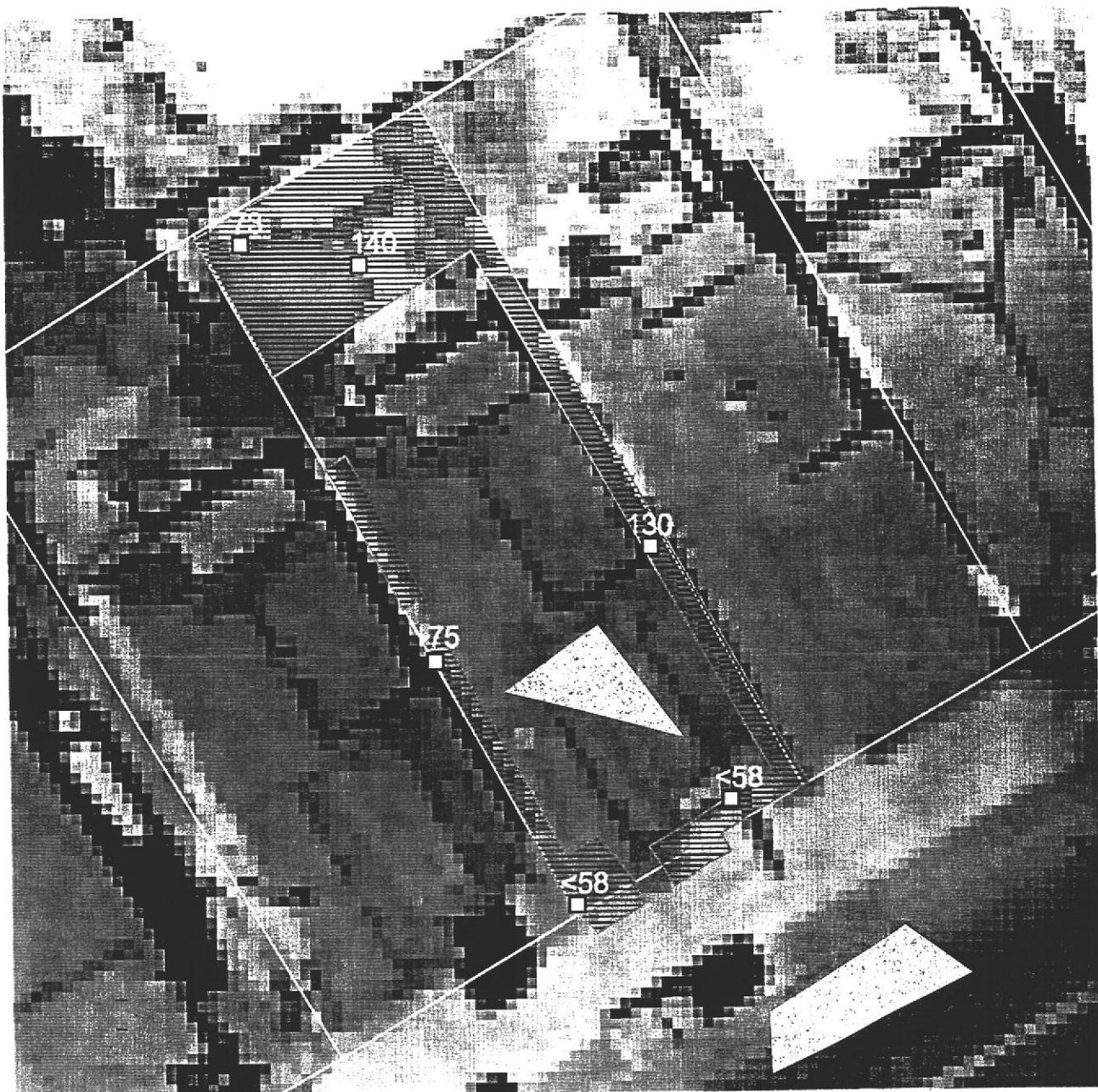
Confirmation Sample Results for:

**Table A-004-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 004**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-004-01	63	
C-004-02	140	
C-004-03	<57	
C-004-04	160	C-004-05
C-004-05	63	C-004-04
C-004-06	100	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.



0      15      30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

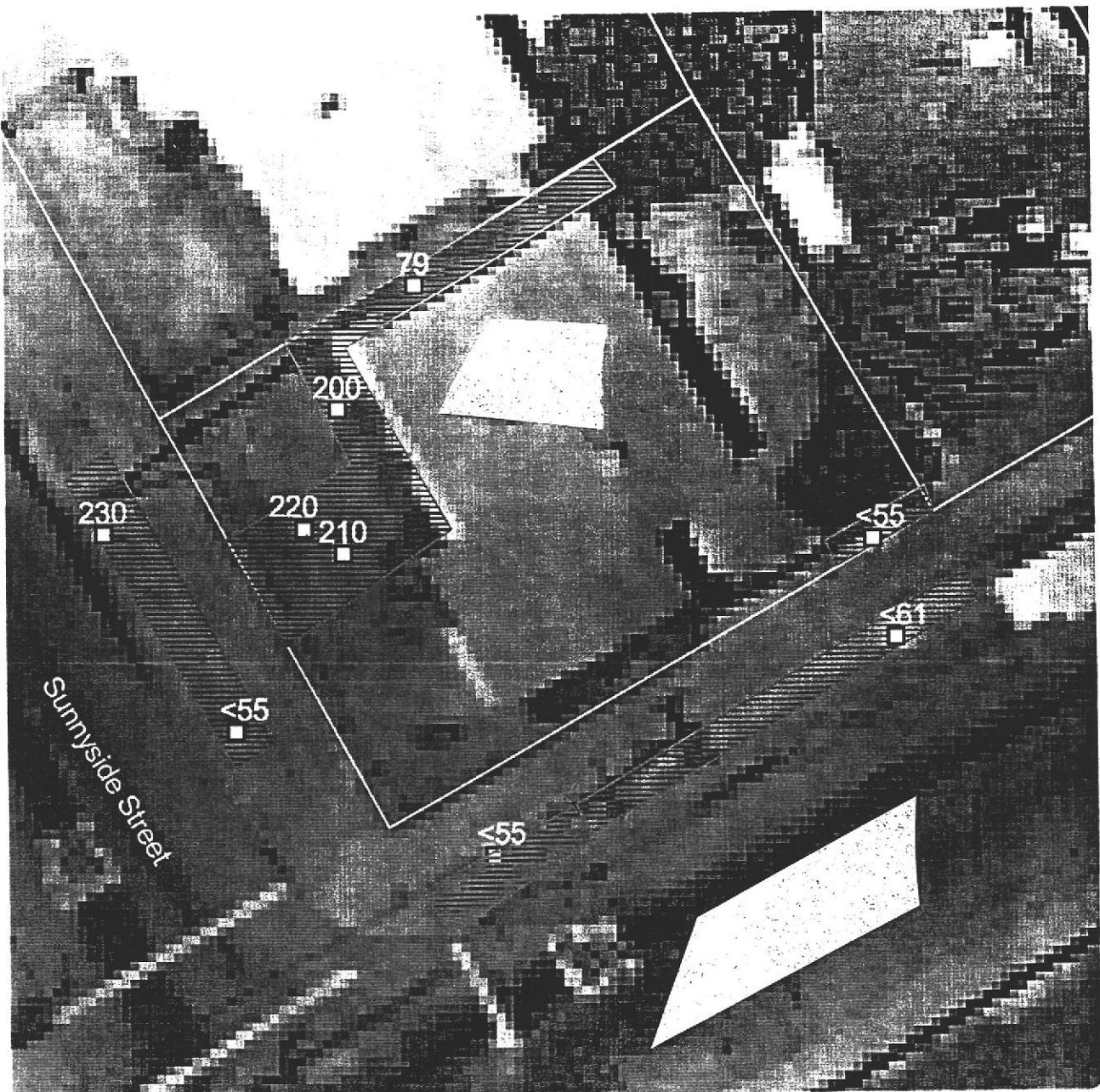
Confirmation Sample Results for:

**Table A-005-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 005**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-005-01	73	
C-005-02	140	
C-005-03	130	
C-005-04	75	
C-005-05	<58	
C-005-06	<58	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

**Table A-007-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 007**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-007-01	230	
C-007-02	210	
C-007-03	79	
C-007-04	<55	
C-007-06	200	
C-007-07	<55	
C-007-08	<61	
C-007-09	<55	
C-007-10	220	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 008-1



0 19 38 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

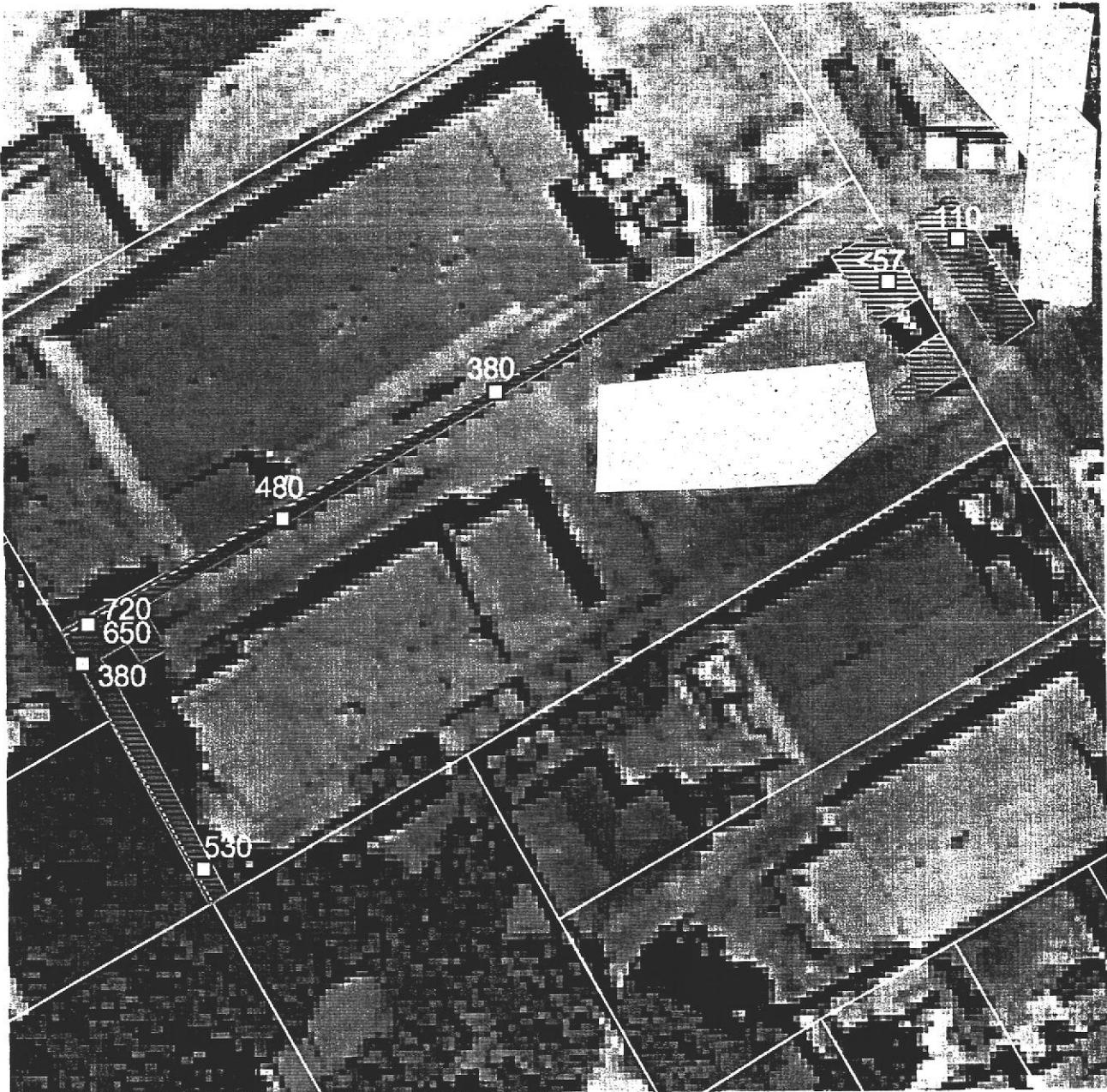
Confirmation Sample Results for:

**Table A-008-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 008**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-008-01	43	
C-008-02	52	
C-008-03	41	
C-008-04	46	
C-008-05	87	
C-008-06	87	
C-008-07	64	C-008-12
C-008-08	150	
C-008-10	330	
C-008-12	58	C-008-07

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.



0      20      40      Feet

Marked parcel boundaries are approximate.

Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

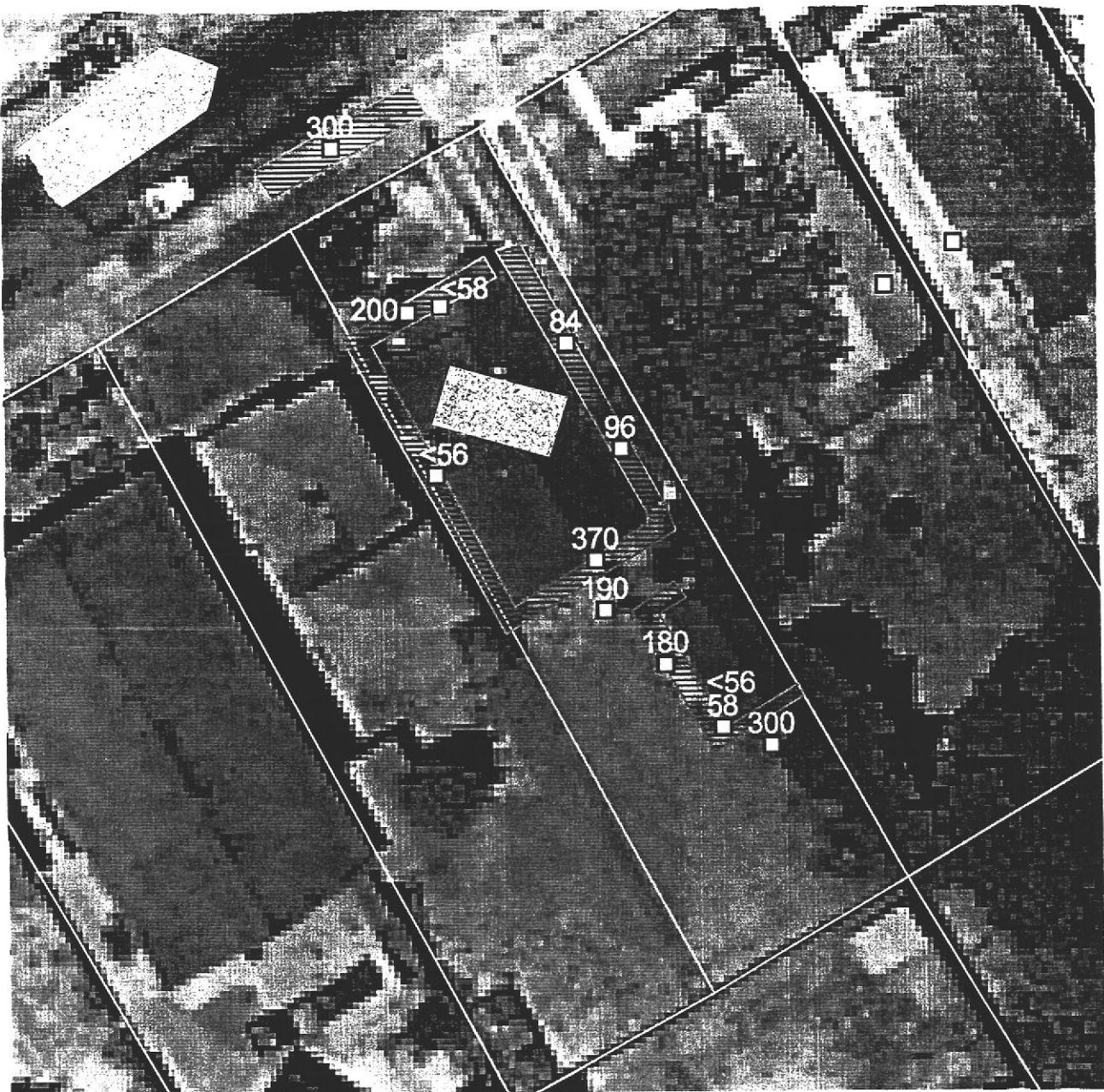
**Table A-009-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 009**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-009-06	380	
C-009-08	720	
C-009-11	530	
C-009-12	380	
C-009-13	650	
C-009-14	<57	
C-009-15	110	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 010-1



0 20 40 Feet

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected (detection level shown)
- - Approximate Soil Removal Areas (see following figure for detailed soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:  
2020 96th Avenue

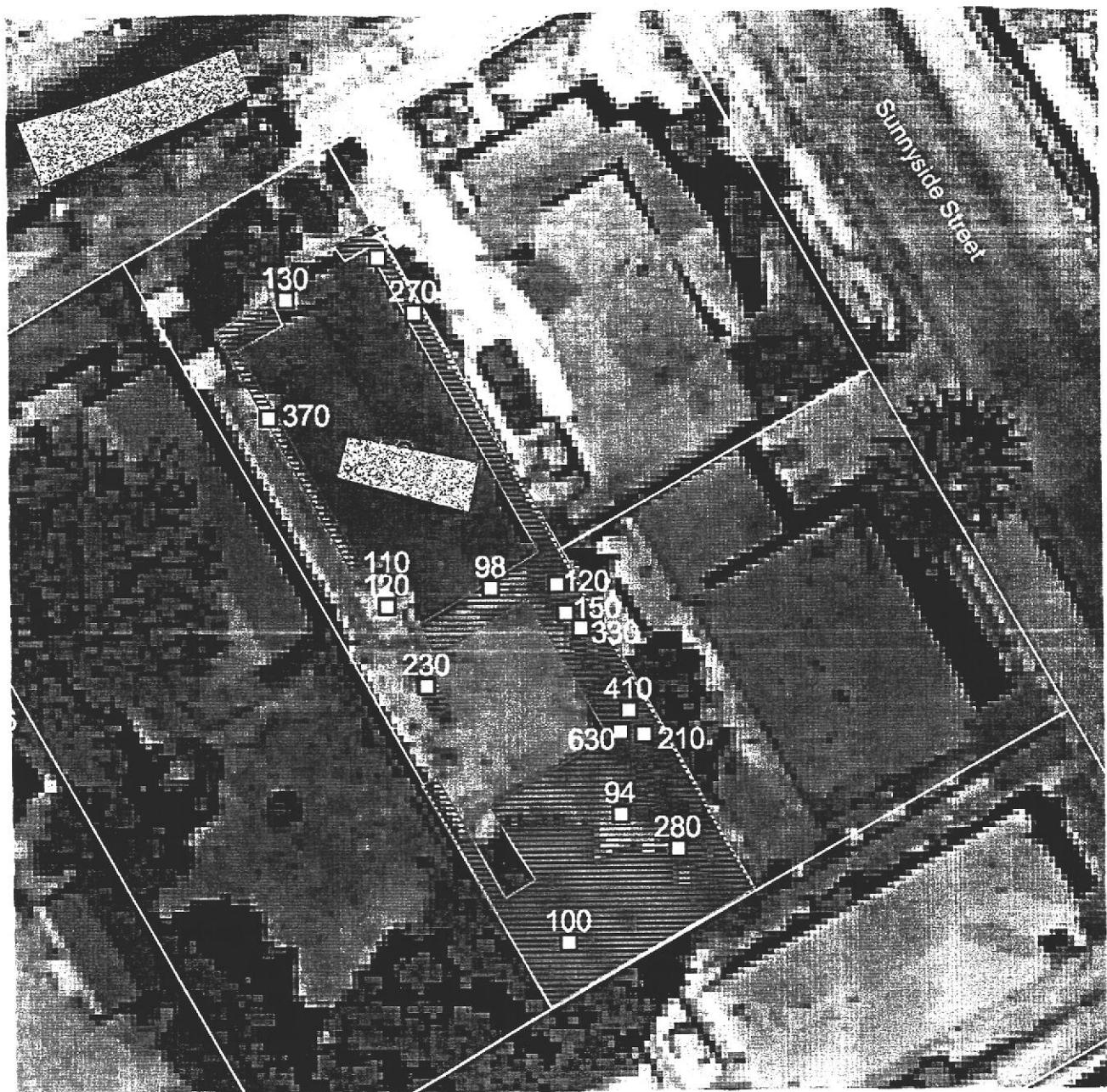
**Table A-010-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 010**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-010-01	<58	
C-010-02	84	
C-010-03	<56	
C-010-04	370	
C-010-05	<56	C-010-06
C-010-06	<58	C-010-05
C-010-07	300	
C-010-08	96	
C-010-09	190	
C-010-10	180	
C-010-11	300	C-010-12
C-010-12	200	C-010-11

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 011-1



0 20 40 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- [hatched square] - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

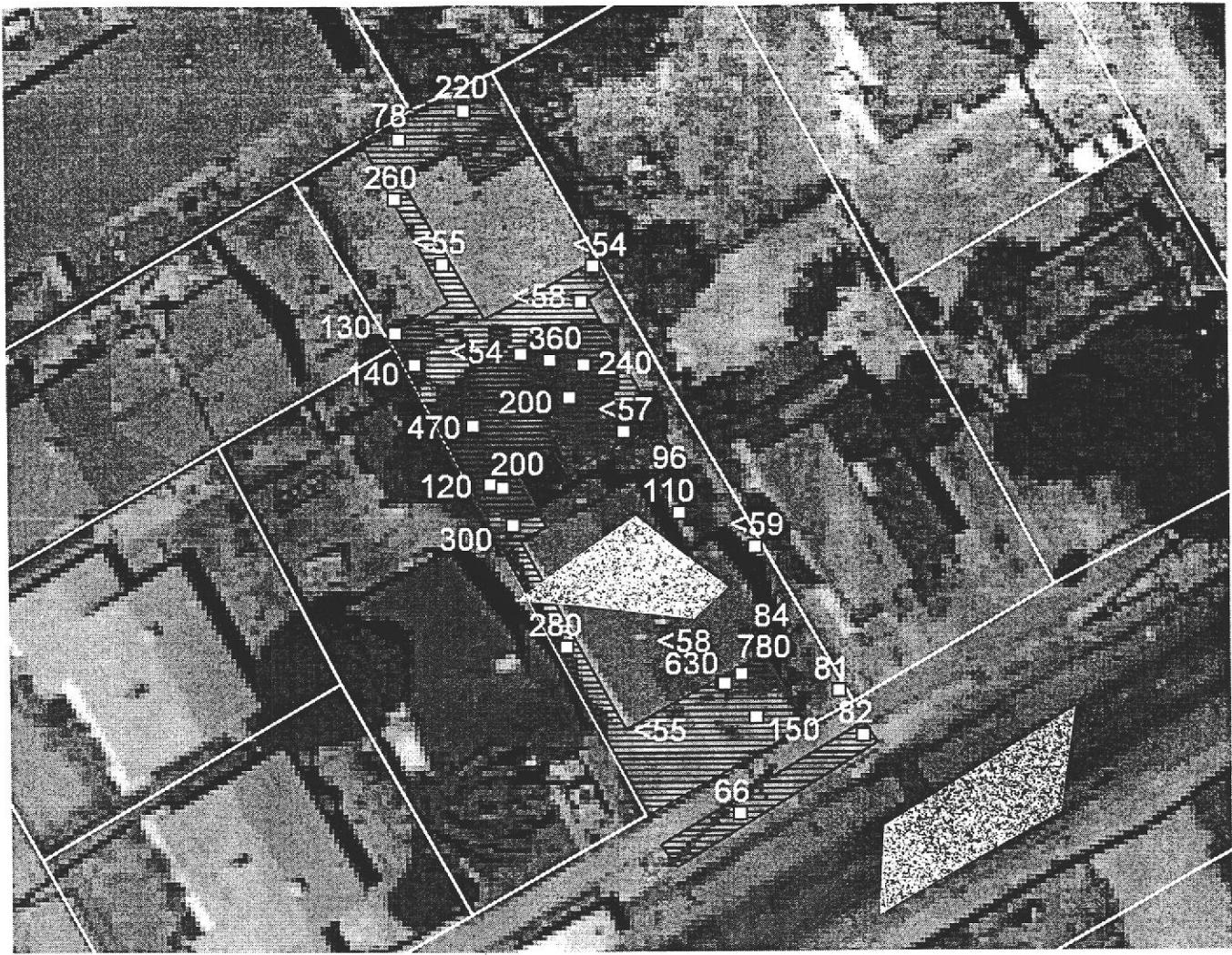
**Table A-011-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 011**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-011-01	100	
C-011-02	280	
C-011-04	94	
C-011-05	210	
C-011-06	630	
C-011-07	410	
C-011-08	330	
C-011-09	150	
C-011-10	120	
C-011-11	120	
C-011-12	110	C-011-13
C-011-13	370	C-011-12
C-011-14	130	
C-011-16	98	
C-011-17	270	
C-011-18	230	
C-011-19	<62	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 012-1



0                  40                  80 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

**Table A-012-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 012**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-012-01	220	
C-012-02	78	
C-012-03	260	
C-012-04	<55	
C-012-05	<58	
C-012-06	<54	
C-012-07	130	
C-012-08	140	
C-012-09	120	
C-012-10	300	
C-012-11	470	
C-012-12	<54	
C-012-14	360	
C-012-15	240	
C-012-16	200	
C-012-17	200	
C-012-18	<57	
C-012-19	280	
C-012-20	110	C-012-21
C-012-21	96	C-012-20
C-012-22	<55	
C-012-23	<59	
C-012-24	630	
C-012-25	780	
C-012-26	150	
C-012-27	81	
C-012-28	66	
C-012-29	82	
C-012-30	<58	
C-012-31	84	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 013-1



0 20 40 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

**Table A- 013-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 013**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-013-01	75	
C-013-02	160	
C-013-03	81	
C-013-04	420	C-013-05
C-013-05	<63	C-013-04
C-013-07	350	
C-013-08	170	
C-013-09	190	
C-013-11	<63	
C-013-12	93	
C-013-13	380	
C-013-14	130	
C-013-15	460	
C-013-16	79	
C-013-21	<55	
C-013-22	<55	
C-013-23	120	
C-013-24	80	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

**Table A-015-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 015**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-015-01	100	C-015-02
C-015-02	110	C-015-01
C-015-03	72	
C-015-04	210	
C-015-06	250	
C-015-07	180	
C-015-08	700	
C-015-09	280	
C-015-10	200	
C-015-11	150	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

**Table A-016-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 016**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-016-01	81	C-016-02
C-016-02	75	C-016-01
C-016-03	380	
C-016-04	530	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 017-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

**Table A-017-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 017**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-017-03	280	
C-017-04	160	
C-017-05	90	
C-017-06	89	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 019-1



Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
  - <56 - Lead not detected  
(detection level shown)
  -  - Approximate Soil Removal Areas  
(see following figure for detailed soil removal areas)



# **Verdese Carter Park Project**

## **AlliedSignal, Inc.**

## **Confirmation Sample Results for:**

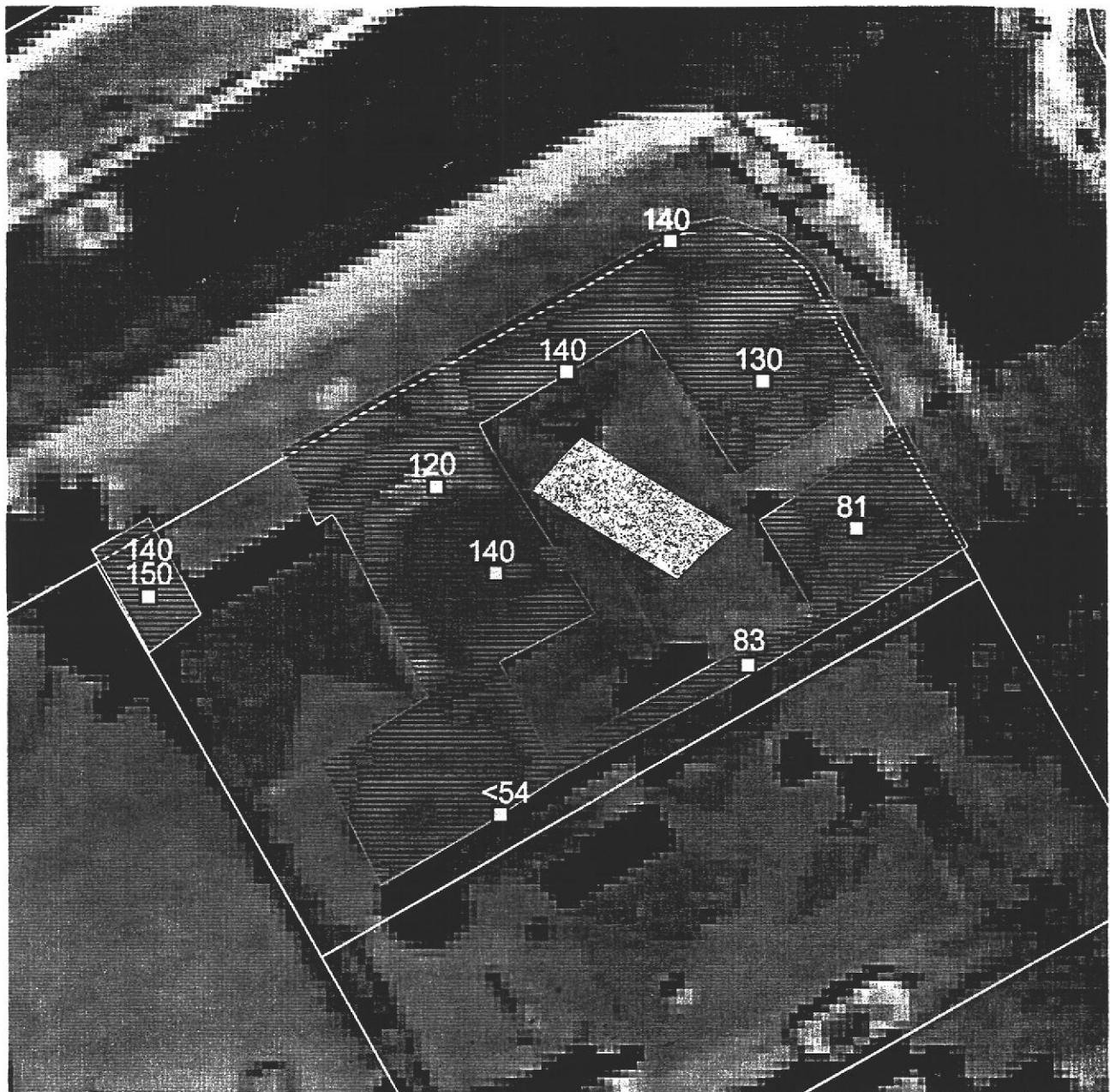
**Table A-019-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 019**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-019-01	<57	
C-019-02	<58	
C-019-03	92	C-019-04
C-019-04	120	C-019-03
C-019-05	76	
C-019-07	76	
C-019-08	170	
C-019-09	<57	
C-019-10	370	
C-019-11	<57	
C-019-12	120	
C-019-13	140	
C-019-14	<55	
C-019-15	<56	
C-019-16	<56	
C-019-17	<56	
C-019-18	66	
C-019-19	<58	
C-019-20	150	
C-019-21	<62	
C-019-22	<56	
C-019-23	<57	
C-019-26	100	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 021-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

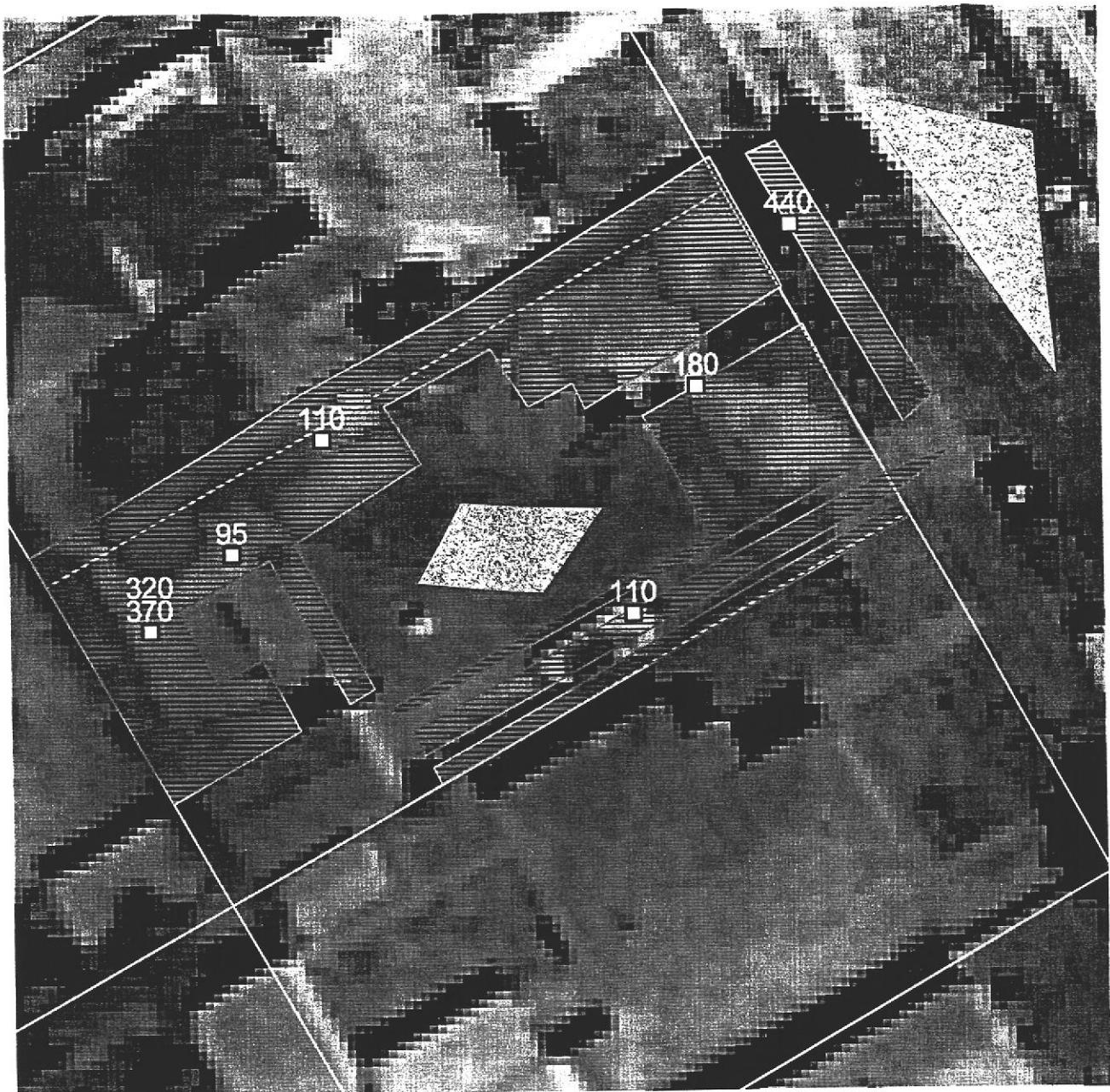
Confirmation Sample Results for:

**Table A-021-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 021**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-021-01	<54	
C-021-02	140	
C-021-03	120	
C-021-05	140	
C-021-06	140	
C-021-07	130	
C-021-08	81	
C-021-09	83	
C-021-10	140	C-021-11
C-021-11	150	C-021-10

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

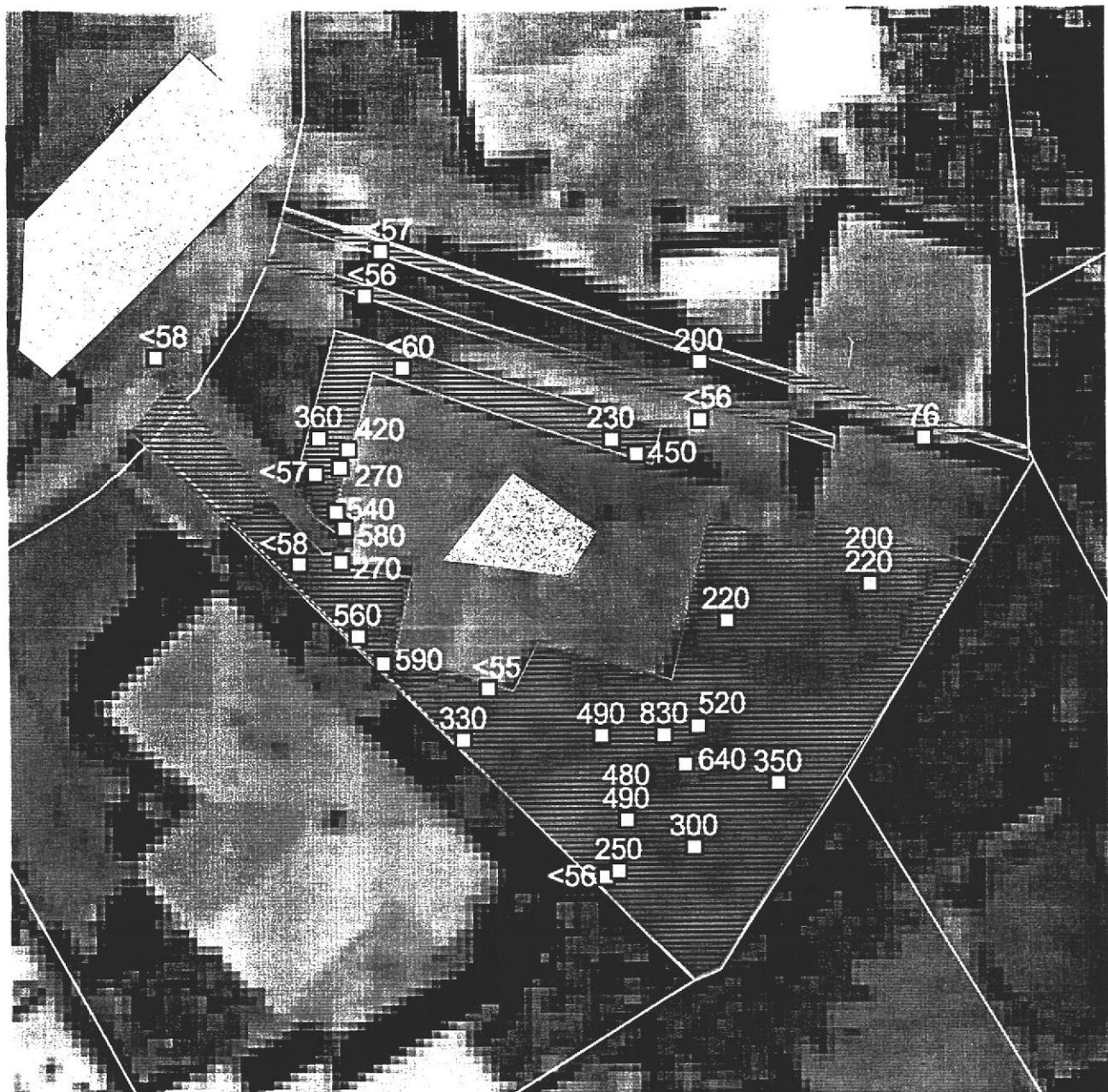
**Table A-022-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 022**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-022-01	110	
C-022-02	95	
C-022-03	370	C-022-04
C-022-04	320	C-022-03
C-022-05	110	
C-022-06	180	
C-022-07	440	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 023-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)

## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:



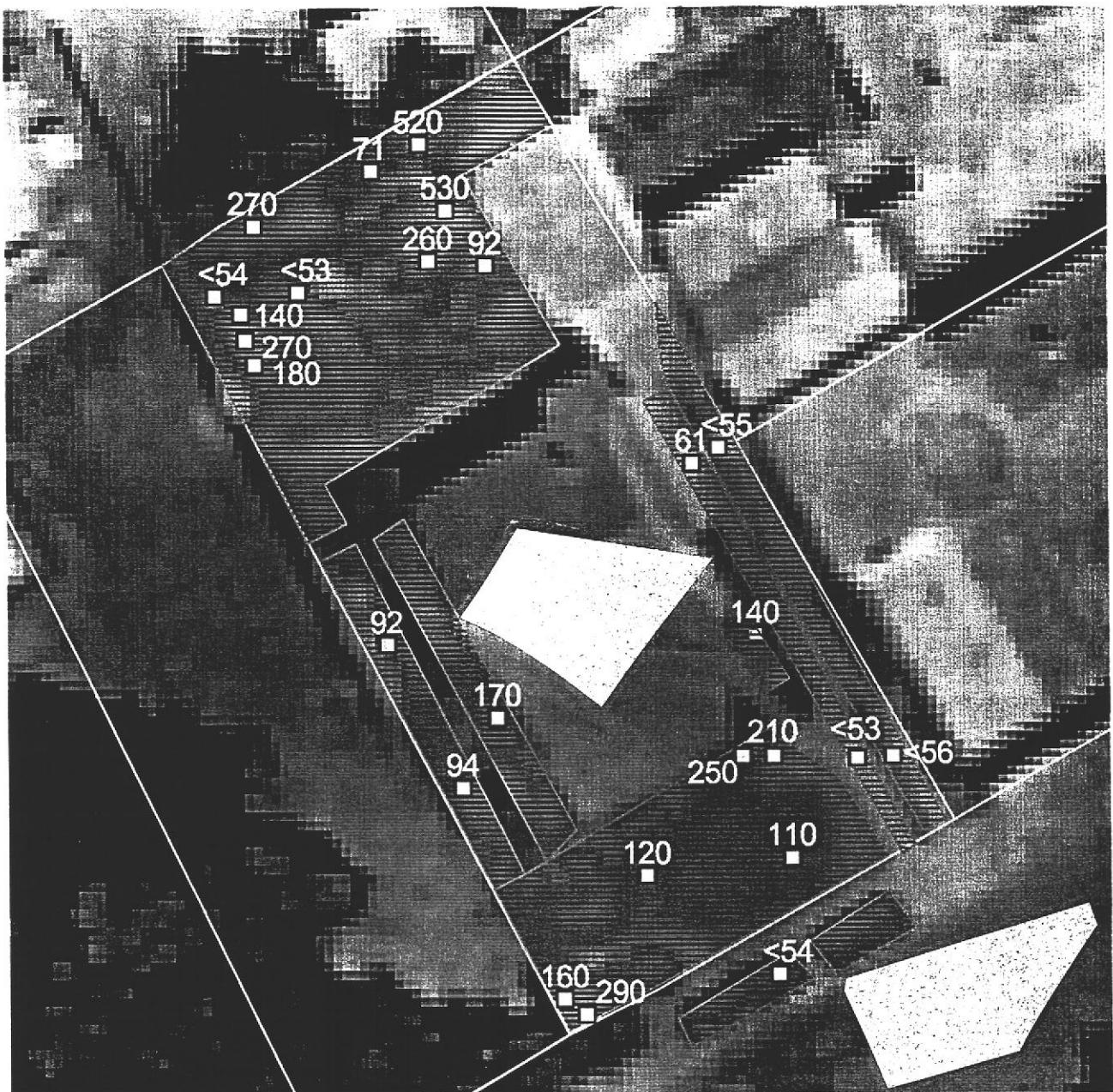
**Table A-023-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 023**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-023-01	220	C-023-02
C-023-02	200	C-023-01
C-023-03	220	
C-023-04	490	
C-023-05	<55	
C-023-12	520	
C-023-13	640	
C-023-14	830	
C-023-20	76	
C-023-21	200	
C-023-22	<56	
C-023-23	450	
C-023-24	230	
C-023-27	<57	
C-023-28	<56	
C-023-29	360	
C-023-30	<57	
C-023-31	420	
C-023-32	270	
C-023-33	540	
C-023-34	580	
C-023-35	270	
C-023-36	590	
C-023-37	560	
C-023-38	<58	
C-023-39	<58	
C-023-41	350	
C-023-42	330	
C-023-43	250	
C-023-44	<56	
C-023-45	90	C-023-46
C-023-46	480	C-023-45
C-023-47	300	
C-023-48	<60	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 024-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

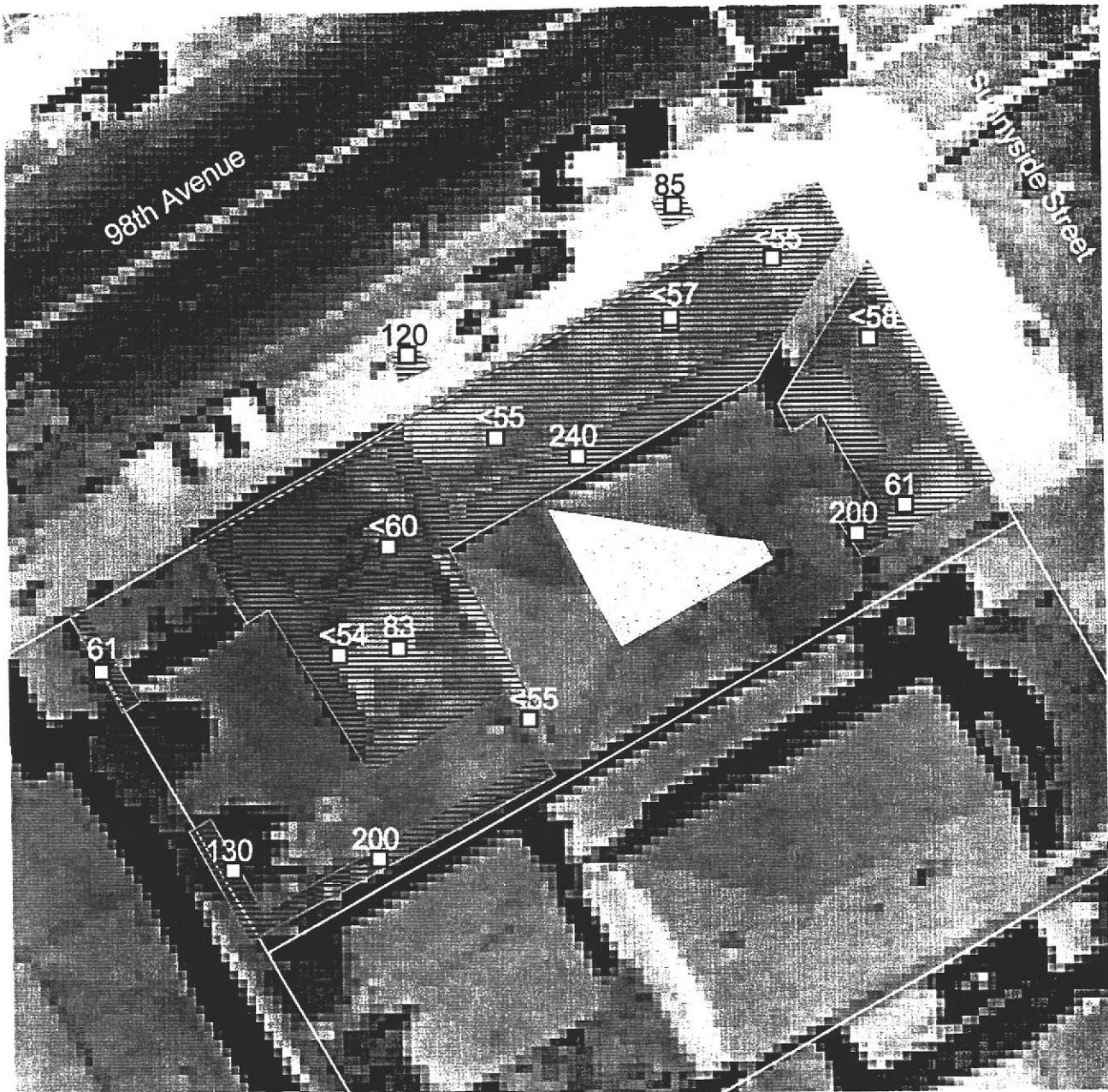
**Table A-024-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 024**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-024-01	<54	
C-024-02	<56	
C-024-03	92	
C-024-04	260	
C-024-05	530	
C-024-06	<53	
C-024-07	520	
C-024-08	71	
C-024-09	270	
C-024-10	<54	
C-024-11	140	
C-024-12	<53	
C-024-13	61	
C-024-14	<55	
C-024-15	140	
C-024-16	270	
C-024-17	180	
C-024-18	92	
C-024-19	170	
C-024-20	94	
C-024-21	120	
C-024-22	160	
C-024-23	290	
C-024-24	110	
C-024-25	210	
C-024-26	250	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 025-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
- [Hatched Box] - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)

## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:



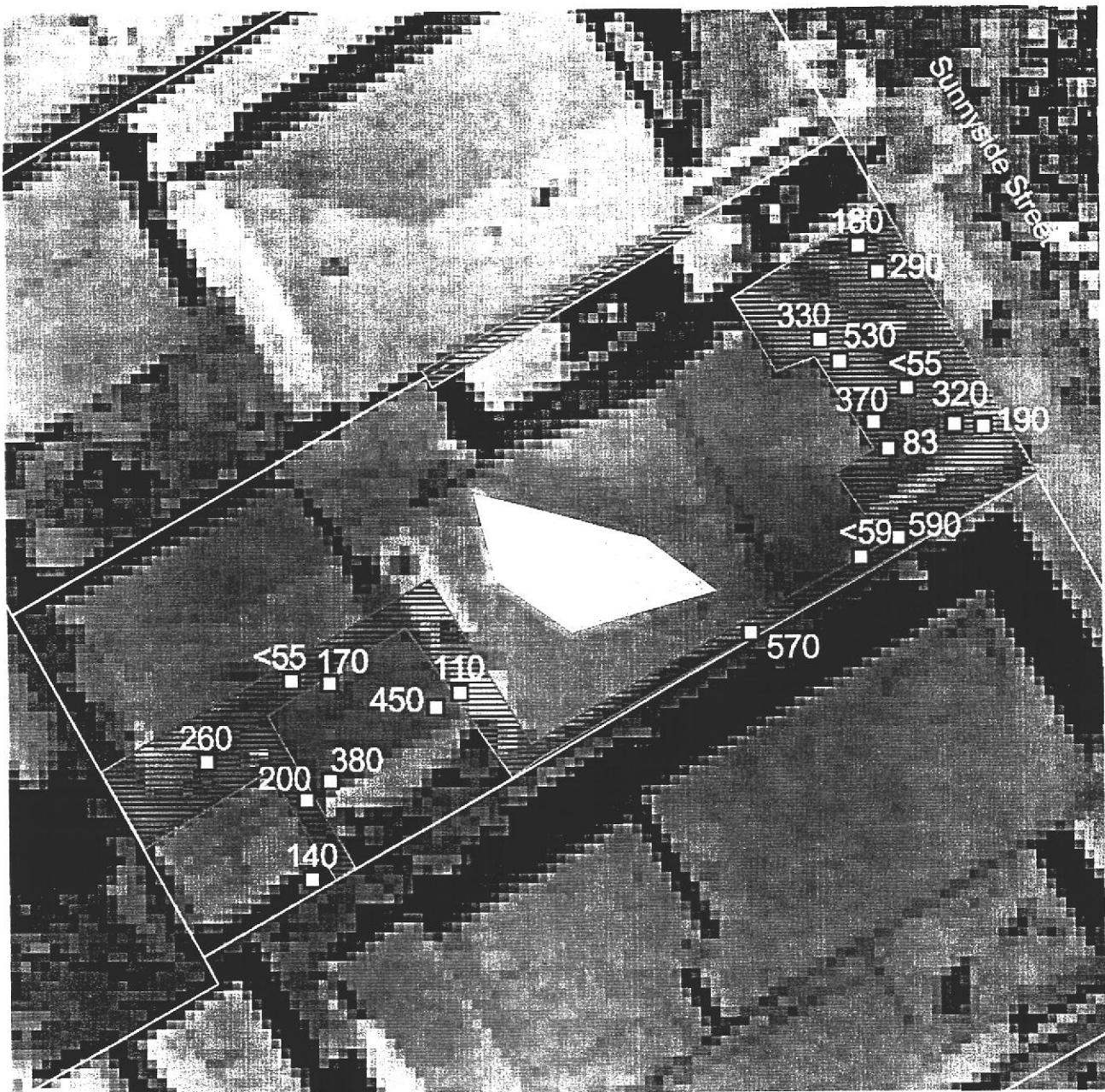
**Table A-025-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 025**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-025-01	<54	
C-025-02	83	
C-025-03	<60	
C-025-04	<55	
C-025-05	130	
C-025-06	200	
C-025-07	<55	
C-025-08	240	
C-025-09	<57	
C-025-11	<55	
C-025-12	61	
C-025-14	120	
C-025-15	85	
C-025-16	<58	
C-025-17	61	
C-025-18	200	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

Figure 026-1



0 15 30 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected  
(detection level shown)
-  - Approximate Soil Removal Areas  
(see following figure for detailed  
soil removal areas)

## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

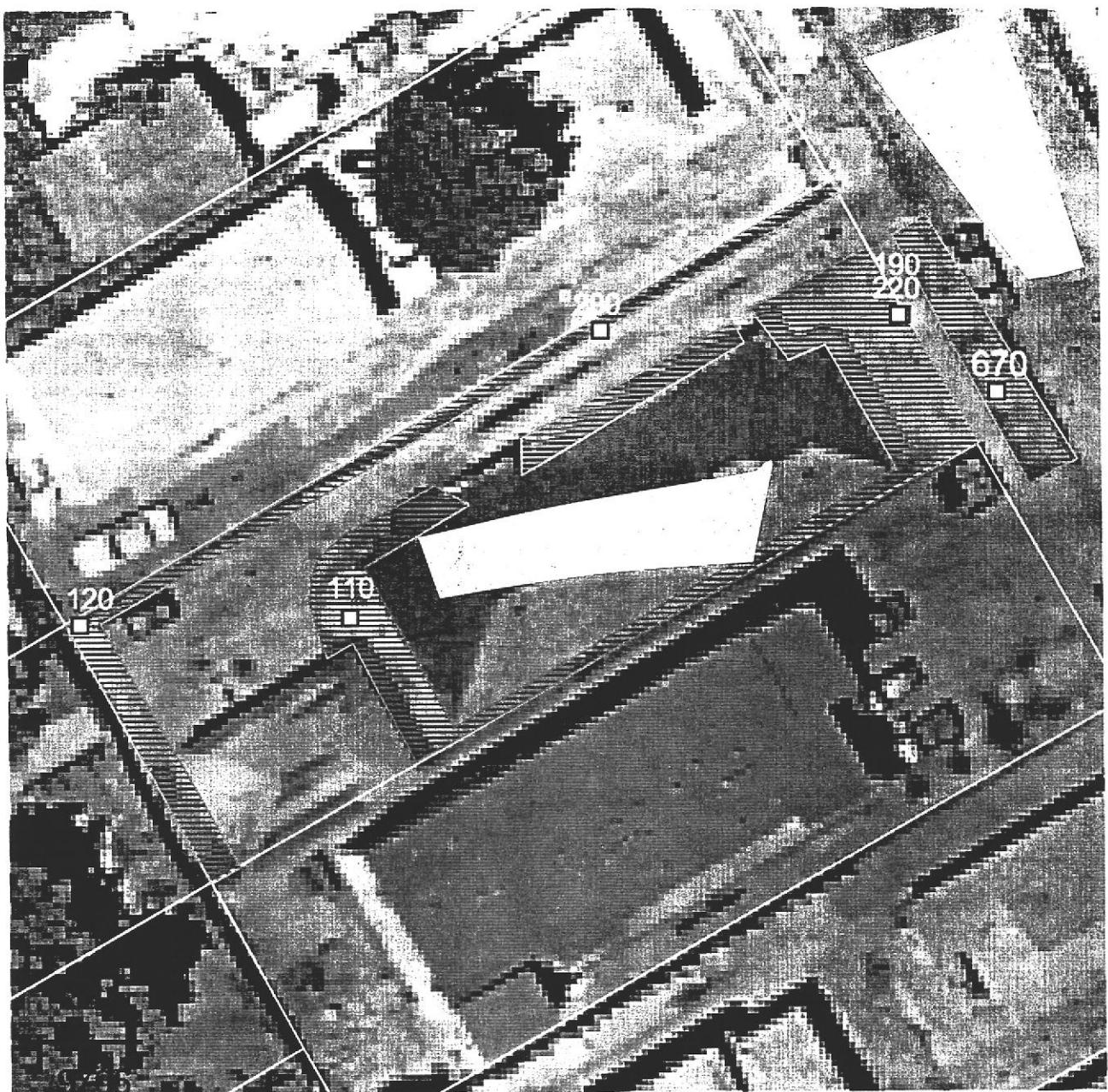


**Table A-026-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 026**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-026-01	260	
C-026-02	140	
C-026-03	200	
C-026-05	380	
C-026-06	<55	
C-026-07	170	
C-026-08	450	
C-026-09	110	
C-026-10	570	
C-026-11	83	
C-026-12	370	
C-026-13	530	
C-026-14	330	
C-026-15	<55	
C-026-17	180	
C-026-18	290	
C-026-19	320	
C-026-20	190	
C-026-22	590	
C-026-23	<59	

<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.



0 20 40 Feet

Marked parcel boundaries are approximate.  
Where duplicate samples were taken,  
both concentration values are shown.

- 58 - Lead Concentrations in mg/Kg
- <56 - Lead not detected (detection level shown)
- Approximate Soil Removal Areas (see following figure for detailed soil removal areas)



## Verdese Carter Park Project AlliedSignal, Inc.

Confirmation Sample Results for:

**Table A-028-1**  
**Verdese Carter Park Project**  
**AlliedSignal, Inc.**  
**Confirmation Sample Results**

**Parcel No. 028**

Sample Number	Total Lead Concentration (mg/kg)	Duplicate Sample
C-028-01	120	
C-028-02	110	
C-028-05	290	
C-028-06	220	C-028-07
C-028-07	190	C-028-06
C-028-08	670	

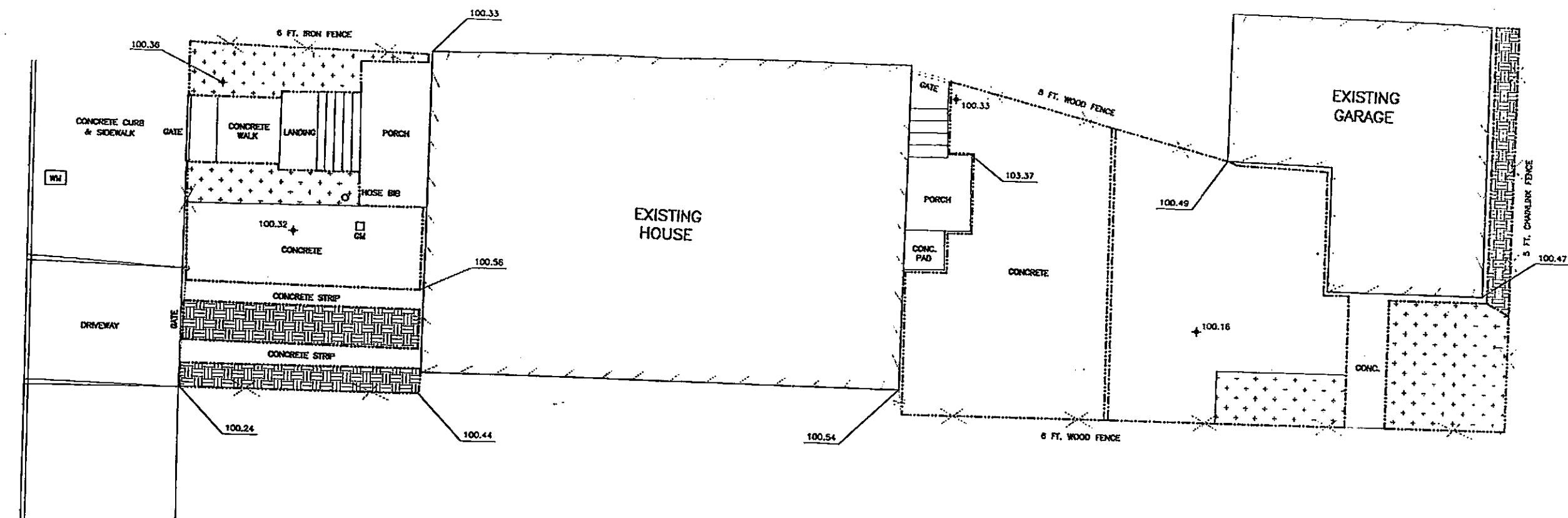
<60 - Indicates lead was not detected above the method detection limit of 60 mg/kg.

**APPENDIX B**

**AS-BUILT DRAWING**

DRAWING NUMBER 12253-E44

## PARCEL 1



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
ROSA SPP.	ROSE	UNKNOWN	7	15 GAL
ROSA SPP.	ROSE	PINK	9	15 GAL
ROSA SPP.	ROSE	YELLOW	2	15 GAL
ROSA SPP.	ROSE	RED	1	15 GAL

— AREA EXCAVATED TO 18" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

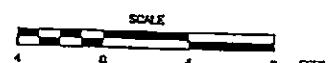
— ADDITIONAL EXCAVATION TO 2' BGS



BACKFILL



TOPSOIL



SIGNATURE NOT OBTAINED

AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**

12-20-96	ISSUED FOR OWNER APPROVAL	OS			
No.	DATE	ISSUE / REVISION	OWN. BY	CKD. BY	AP'D. BY

OWNER NAME:

PRINTED

SIGNATURE

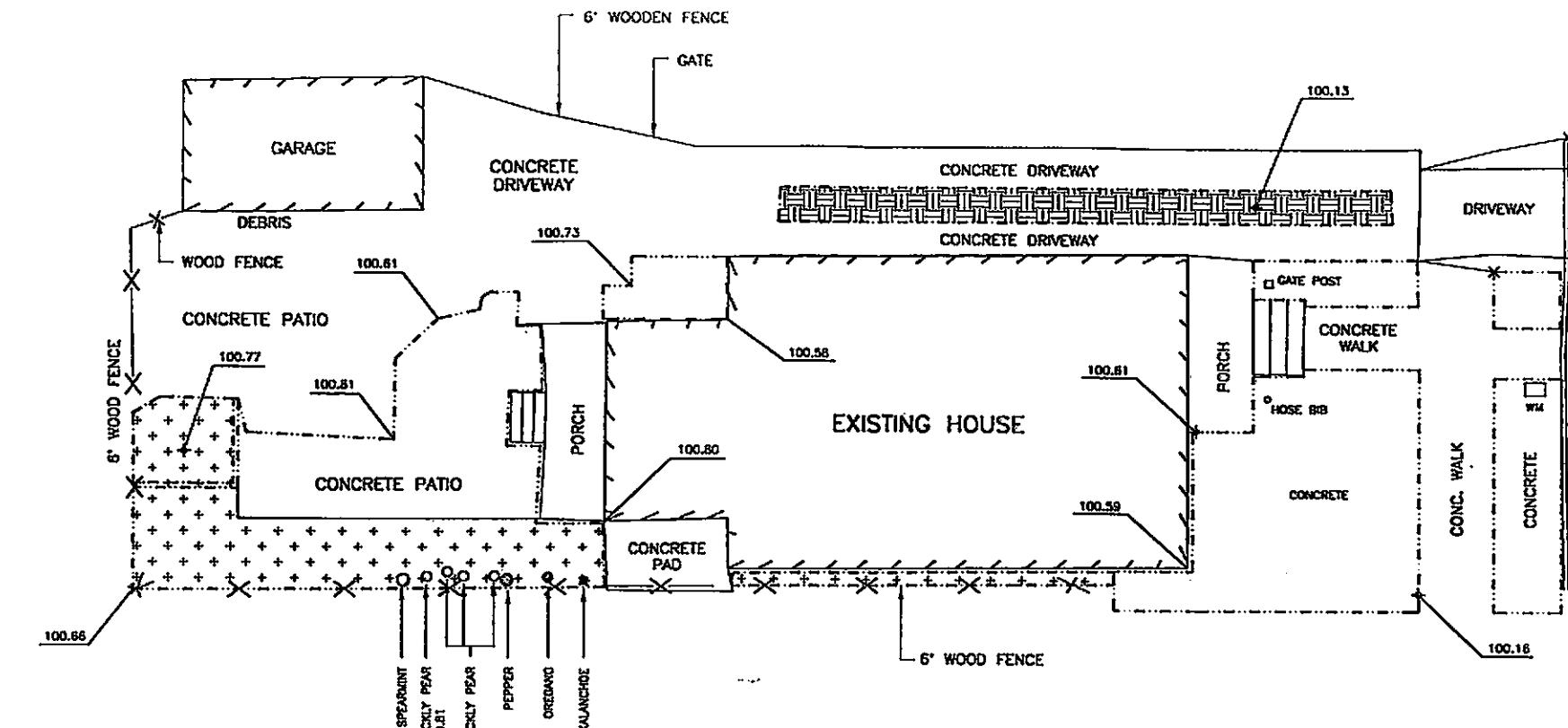
DATE

DATE: 12-18-96  
SCALE: AS SHOWN

FIGURE

DRAWING NUMBER  
12253-E44

## PARCEL 2



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
KALANCHOE BLOSSFELDIANA	KALANCHOE	UNKNOWN	1	1 GAL.
OREGANUM VULGARE	OREGANO	N/A	1	6"
OPUNTIA FICUS-INDICA	PRICKLY PEAR	N/A	4	1 GAL.
CAPSICUM SPP.	PEPPER	UNKNOWN	1	1 GAL.
MENTHA SPICATA	SPEARMINT	N/A	1	1 GAL.

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED



TOPSOIL

— — — ADDITIONAL EXCAVATION TO 18" BGS



BACKFILL

— — — ADDITIONAL EXCAVATION TO 2' BGS



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

SIGNATURE NOT OBTAINED

△ 12-20-96	ISSUED FOR OWNER APPROVAL	DS	
No. DATE	ISSUE / REVISION	OWN'D BY	CKD BY

OWNER NAME: \_\_\_\_\_

PRINTED

SIGNATURE

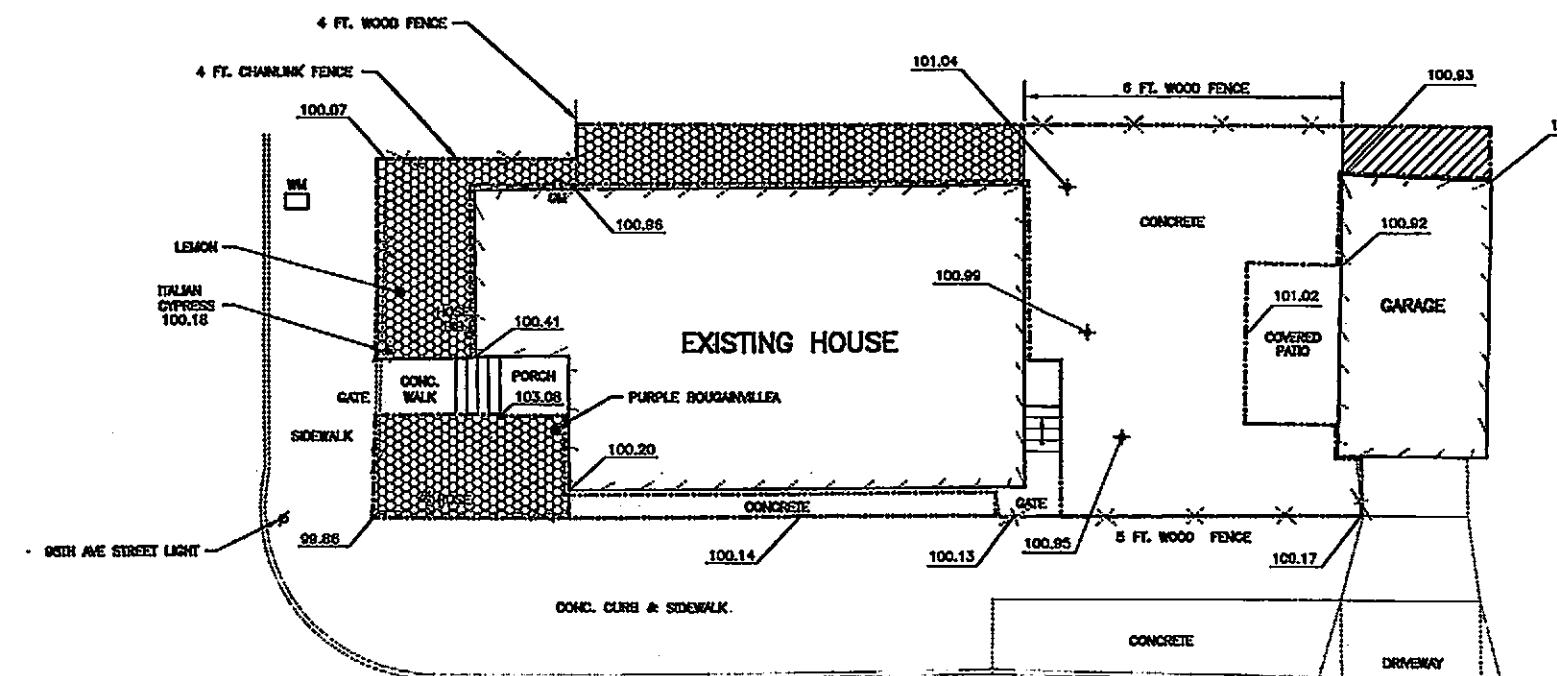
DATE

DATE: 12-11-96  
SCALE: AS SHOWN

FIGURE

DRAWING NUMBER  
12253-E43

## PARCEL 3



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	N/A	1	24" BOX
BOUGAINVILLEA SPECTABILIS	PURPLE BOUGAINVILLEA	VIOLET	1	10 GAL
ROSA SPP.	ROSE	RED	1	15 GAL
CITRUS LIMON	DWARF LEMON TREE	N/A	1	15 GAL

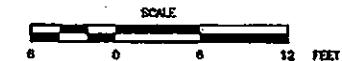
----- AREA EXCAVATED TO 2' BELOW GROUND SURFACE



BARK



SMOOTH DECORATIVE WHITE & GREY ROCK



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME: *Velma J. TURNER*

PRINTED

SIGNATURE

1/7/97

DATE

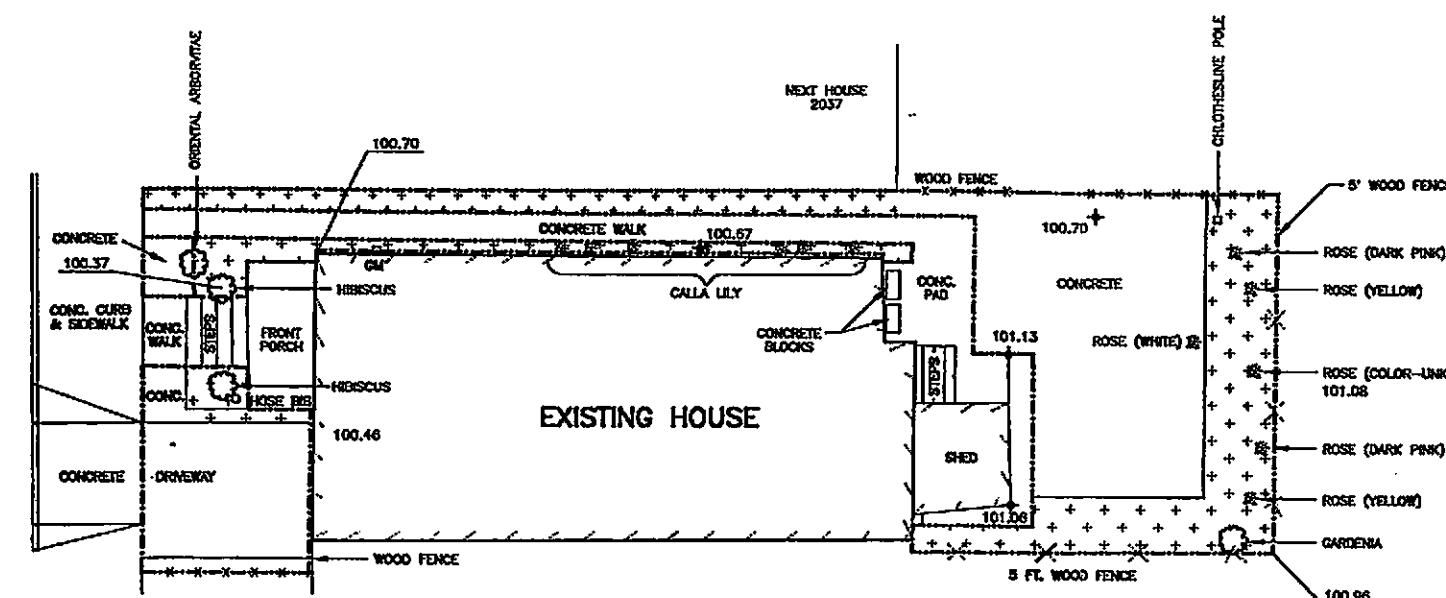
DATE: 12-20-88  
SCALE: AS SHOWN

FIGURE

DRAWING NUMBER  
12253-E48

△ 12-20-88	ISSUED FOR OWNER APPROVAL	DS	
No.	DATE	ISSUE / REVISION	OWN. BY CKD. BY APD. BY

## PARCEL 4



— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

— — — ADDITIONAL EXCAVATION TO 2' BGS

+ + TOPSOIL



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
HIBISCUS ROSA-SINENSIS	HIBISCUS (DOUBLE FLOWERS)	PEACH WITH DARK RED CENTER	1	10 GAL
ZANTEDESCHIA AETHIOPICA	CALLA LILY	WHITE	7	1 GAL
ERIOBOTRYA JAPONICA	LOQUAT	N/A	1	15 GAL
GARDENIA AUGUSTA SYN. GARDENIA JASMINOIDES	GARDENIA	WHITE	1	5 GAL
ROSA SPP.	TEA ROSE	PALE PINK	1	5 GAL
ROSA SPP.	ROSE	DARK PINK	3	15 GAL
ROSA SPP.	ROSE	YELLOW	2	15 GAL
ROSA SPP.	ROSE	RED	1	15 GAL
ROSA SPP.	ROSE	WHITE	1	15 GAL
ROSA SPP.	ROSE	UNKNOWN	1	15 GAL

## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

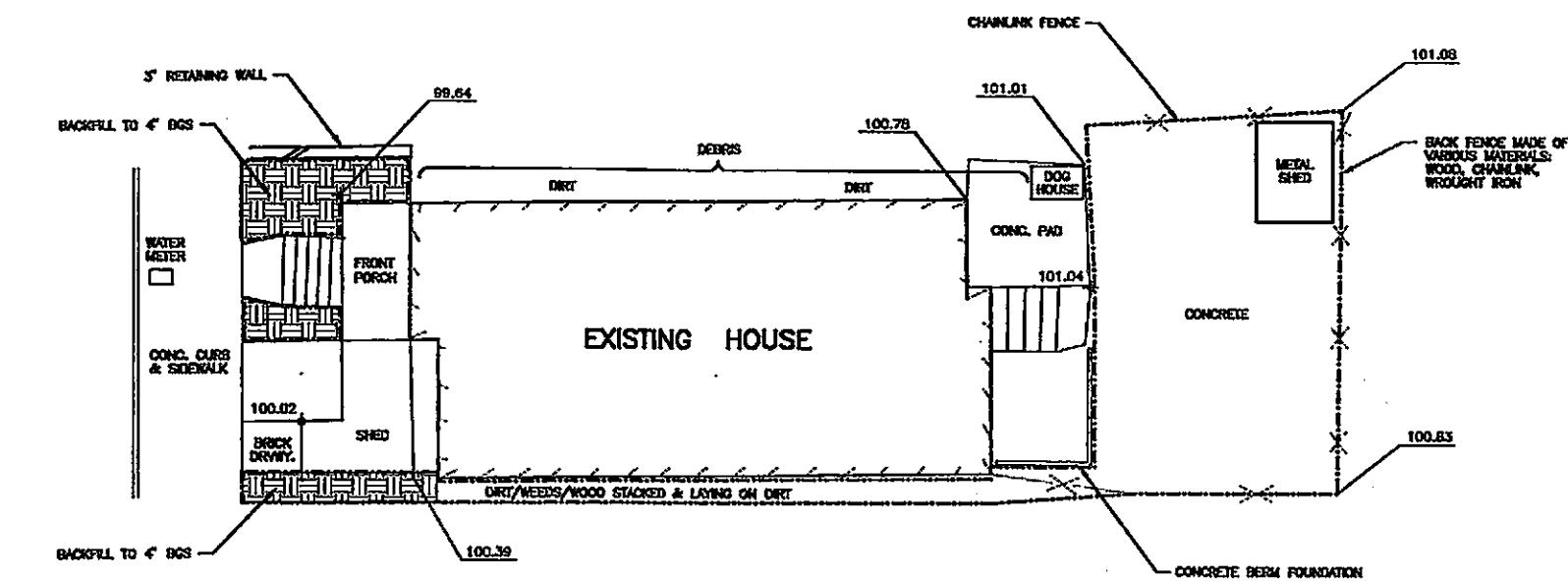
THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△ 12-20-86	ISSUED FOR OWNER APPROVAL.		
No. DATE	ISSUE / REVISION	DS	APD BY
		DRW. BY CKD. BY	

OWNER NAME: MAYA Bangsal PRINTED: Maria Bangsal SIGNATURE: 1/16/1977

DATE: 12-18-86	FIGURE	DRAWING NUMBER 12253-E46
SCALE: AS SHOWN		

## PARCEL 5



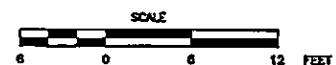
EXCAVATION TO 2' BGS



BACKFILL



SOD REPLACEMENT



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△ 12-20-96	ISSUED FOR OWNER APPROVAL	DS		
No. DATE	ISSUE / REVISION	DWLN BY	OKD BY	APD BY

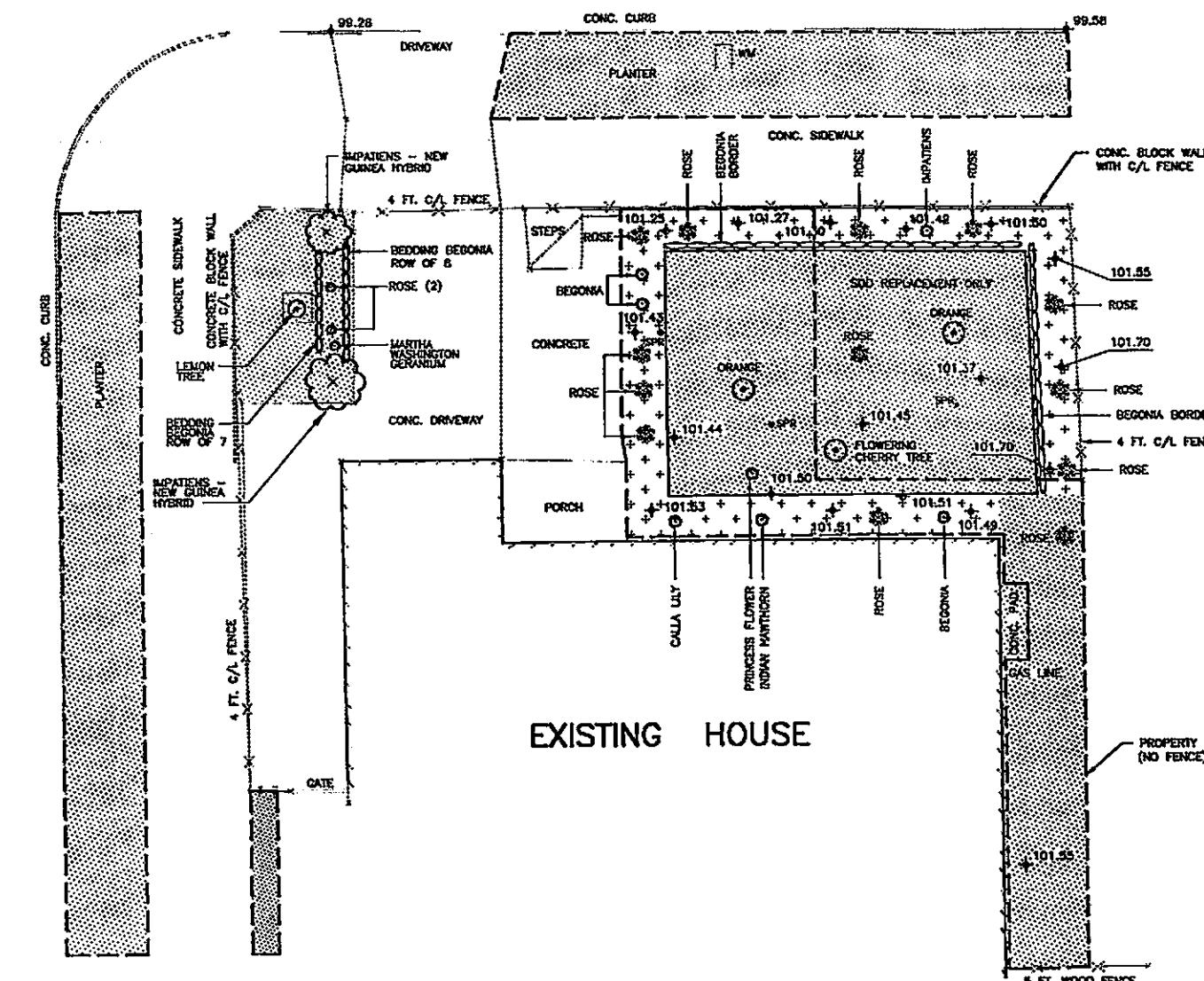
OWNER NAME: Felipe Gonzalez Felipe Bagley DATE 01/14/97  
PRINTED SIGNATURE

DATE: 12-18-96	DRAWING NUMBER 12253-E47
SCALE: AS SHOWN	FIGURE

**PARCEL 7**

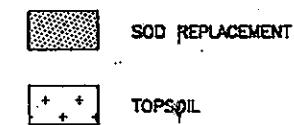
DRAWING 12253-E40

SUNNYSIDE STREET



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
IMPERIUM X NEW GUINEA	NEW GUINEA IMPATIENS	MAGENTA (SEE NOTE 4)	3	5 GAL
BEGONIA X SEMPERFLORENS	BEDDING BEGONIA	RED, WHITE, PINK (SEE NOTE 1)	105	6" POTS
ROSA SPP.	ROSES	RED, YELLOW, PK.	10	5 GAL
RHAPHIOLEPSIS INDICA "ROSEA"	INDIAN HAWTHORN	PINK	2	5 GAL
CITRUS SPP.	LEMON	NA	1	24" BOX
CITRUS SPP	WASHINGTON NAVAL ORANGE VAR. BONANZA, SEMI-DWARF	NA	1	24" BOX
ZANTEDESCHIA AETHIOPICA	CALLA LILY	WHITE	3	5 GAL
	FLOWERING CHERRY TREE		1	15 GAL

— AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS) —  
UNLESS OTHERWISE NOTED



SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

**SMITH**

<b>⚠</b>	12-20-96	ISSUED FOR OWNER APPROVAL	DS	
No.	DATE	ISSUE / REVISION	DWN. BY	CRD BY APD

OWNER N

PRIN

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SIGNAT

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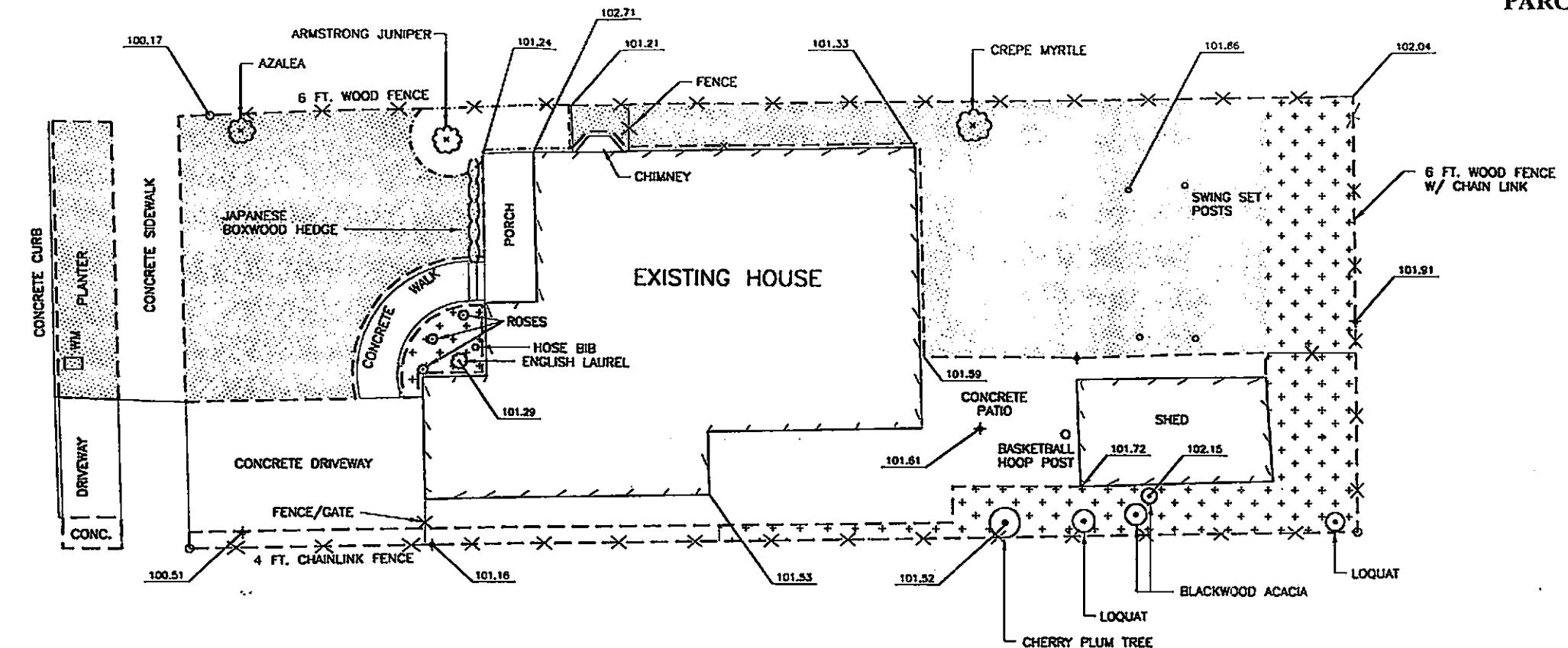
DATE

DATE:	12-11-96
SCALE:	AS SHOWN

DRAWING NUMBER  
12253-E40

## PARCEL 8

DRAWING NUMBER 12253-E30



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
RHODODENDRON SPP.	AZALEA	WHITE	1	15 GAL	NA
JUNIPERUS CHINENSIS "ARMSTRONGI"	ARMSTRONG JUNIPER	NA	1		10"
BUXUS MICROPHYLLA JAPONICA	JAPANESE BOXWOOD	NA	4	5 GAL	NA
PRUNUS LAUROCERASUS	ENGLISH LAUREL	NA	1	15 GAL	NA
ROSA SPP.	ROSE	UNSPECIFIED	3	5 GAL	NA
	CREPE MYRTLE	NA	1	15 GAL	NA
PRUNUS CERASIFERA	CHERRY PLUM	NA	1		4"
ERIOBOTRYA JAPONICA	LOQUAT	NA	2		4"
ACACIA MELANOXYLON	BLACKWOOD ACACIA	NA	2		2" & 10"

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

— — — ADDITIONAL EXCAVATION TO 2' BGS



TOPSOIL



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

**SMITH**

SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

12-9-96	ISSUED FOR PROPERTY OWNER APPROVAL	DS	
No. DATE	ISSUE / REVISION	OWN. BY	CK'D BY
		AP'D BY	

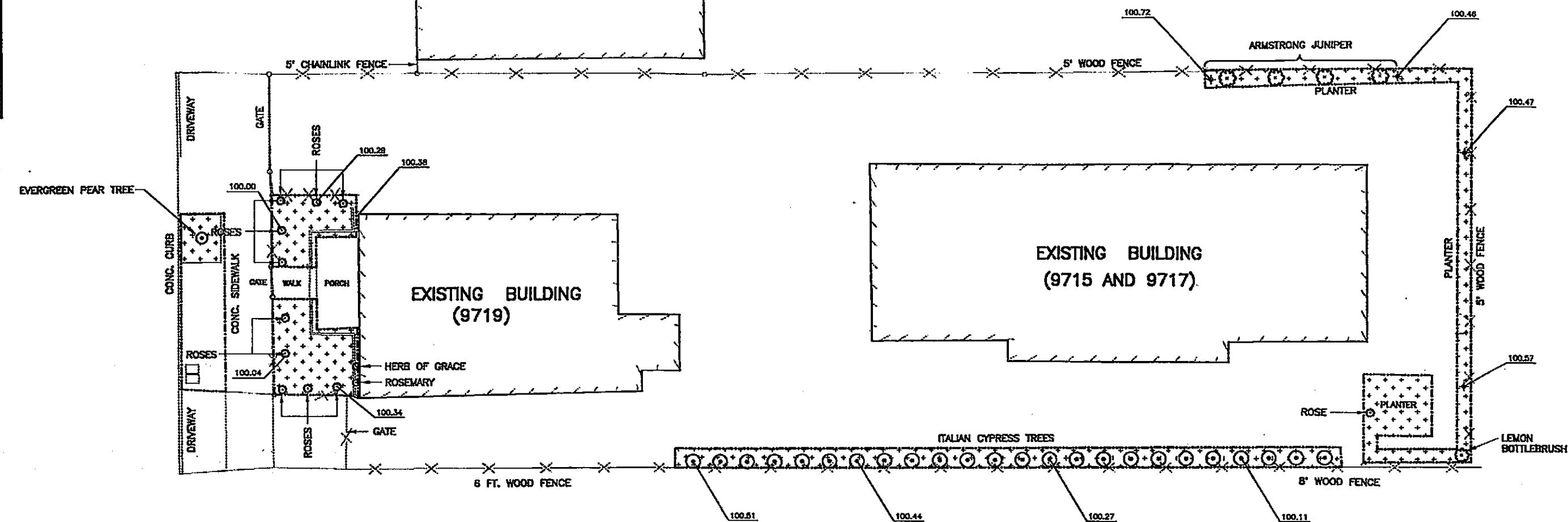
OWNER NAME: \_\_\_\_\_ PRINTED: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DATE: 10-30-96  
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E30

DRAWING NUMBER 12253-E27

## PARCEL 9



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
ROSA SPP.	ROSE	UNSPECIFIED	11	5 GAL.	NA
CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	NA	24	24" BOX	1"
JUNIPERUS CHINENSIS "ARMSTRONGI"	ARMSTRONG JUNIPER	NA	4	15 GAL.	NA
CALLISTEMON CITRINUS	LEMON BOTTLEBRUSH	NA	1		6"
ROSEMARY OFFICINALIS	ROSEMARY	NA	1	1 GAL.	NA
RUTA GRAEOLENS	HERB OF GRACE OR RUE	NA	1	1 GAL.	NA
PYRUS KAWAKAMI	EVERGREEN PEAR	NA	1	15 GAL.	NA

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— AREA EXCAVATED TO 2' BELOW GROUND SURFACE



TOPSOIL



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME

MICKEY A FAGREY *Mickey A. Fagrey*

1-17-97

PRINTED

SIGNATURE

DATE

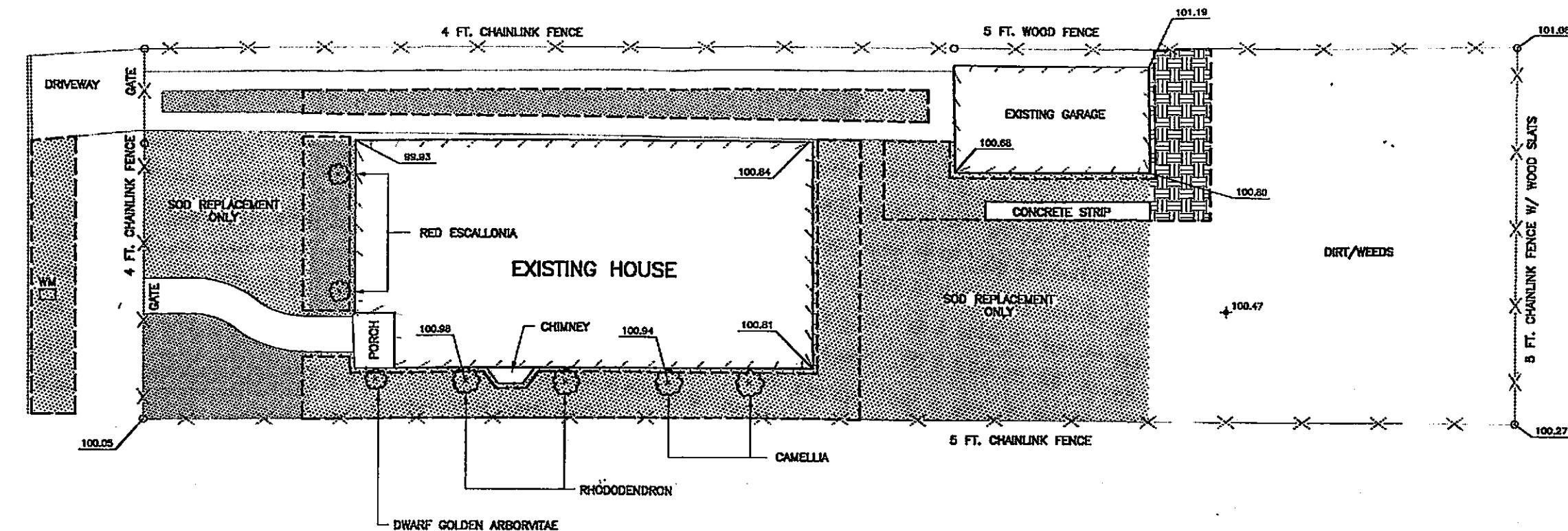
DATE: 10-30-86
SCALE: AS SHOWN

DRAWING NUMBER 12253-E27
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△ 12-9-96	ISSUED FOR PROPERTY OWNER APPROVAL	OS		
No. DATE	ISSUE / REVISION	OWN. BY	CK'D BY	APD BY

## PARCEL 10

DRAWING NUMBER 12253-E34

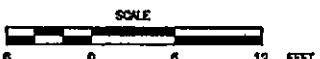


BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
ESCALLONIA RUBRA	RED ESCALLONIA	NA	2	15 GAL	NA
PLATYCLADUS ORIENTALIS "AUREUS"	DWARF GOLDEN ARBORVITAE	NA	1	15 GAL	NA
RHODODENDRON SPP.	RHODODENDRON	UNSPECIFIED	2	15 GAL	NA
CAMELLIA JAPONICA	CAMELLIA	UNSPECIFIED	2	15 GAL	NA

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

**SMITH**

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME: ANENE UGABAJA

PRINTED

SIGNATURE

1-20-97

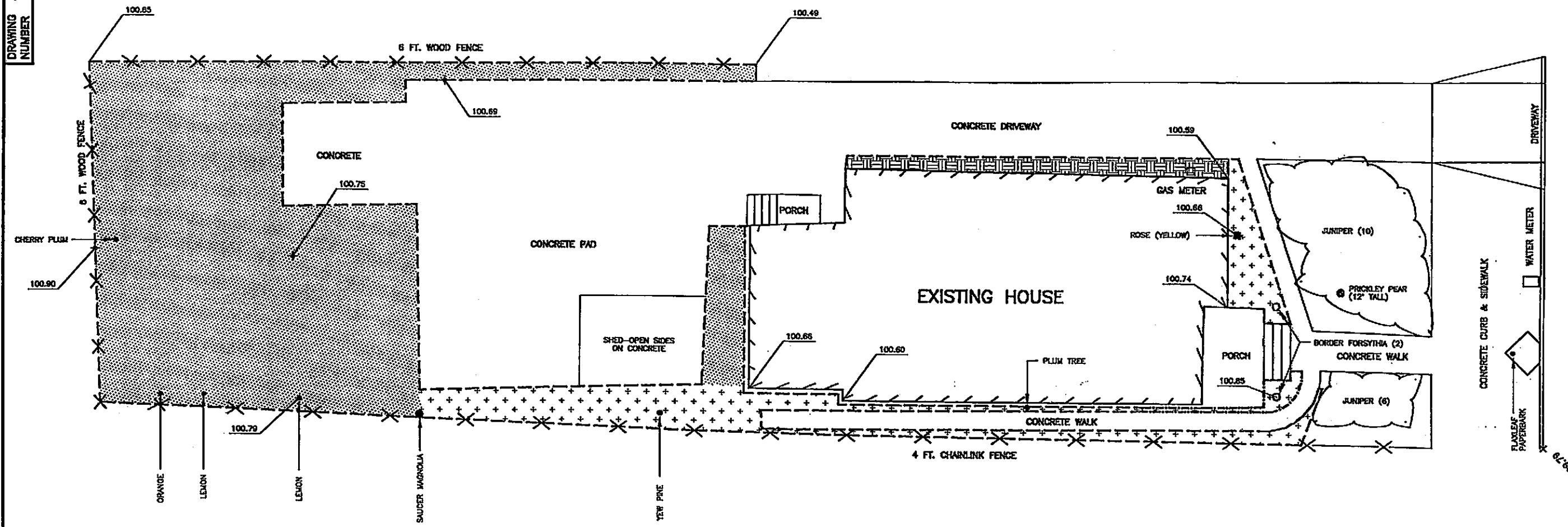
DATE: 10-31-96  
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E34

△ 12-9-96	ISSUED FOR PROPERTY OWNER APPROVAL	DS	
No. DATE	ISSUE / REVISION	DWN. BY	CKD BY
		APD BY	

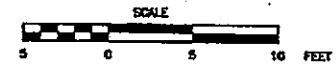
## PARCEL 11

DRAWING NUMBER 12253-E45



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
MELALEUCA LINARIFOLIA	FLAKLEAF PAPERSARK	N/A	1	48" BOX
JUNIPER SINENSIS TAMARISCIFOLIA	TAM JUNIPER	N/A	16	5 GAL.
OPUNTIA FICUS-INDICA	PRICKLEY PEAR	N/A	1	16 GAL.
FORSYTHIA INTERMEDIA	BORDER FORSYTHIA	N/A	2	5 GAL.
ROSA SPP.	ROSE	YELLOW	1	15 GAL.
PRUNUS CERASIFERA	CHERRY PLUM	N/A	1	15 GAL.
PODCARPUS MACROPHYLLA	YEW PINE	N/A	1	48" BOX
MAGNOLIA SOULANGIANA	SAUCER MAGNOLIA	UNKNOWN	1	48" BOX
CITRUS LIMON	LEMON TREE	N/A	2	15 GAL.

- — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED
- — — ADDITIONAL EXCAVATION TO 2' BGS
- [Hatched pattern] BACKFILL
- [Dotted pattern] SOD REPLACEMENT
- [Plus sign pattern] TOPSOIL



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME:

SUSIE SMITH Susie Smith

PRINTED

SIGNATURE

DATE

DATE: 8-27-86  
SCALE: AS SHOWN

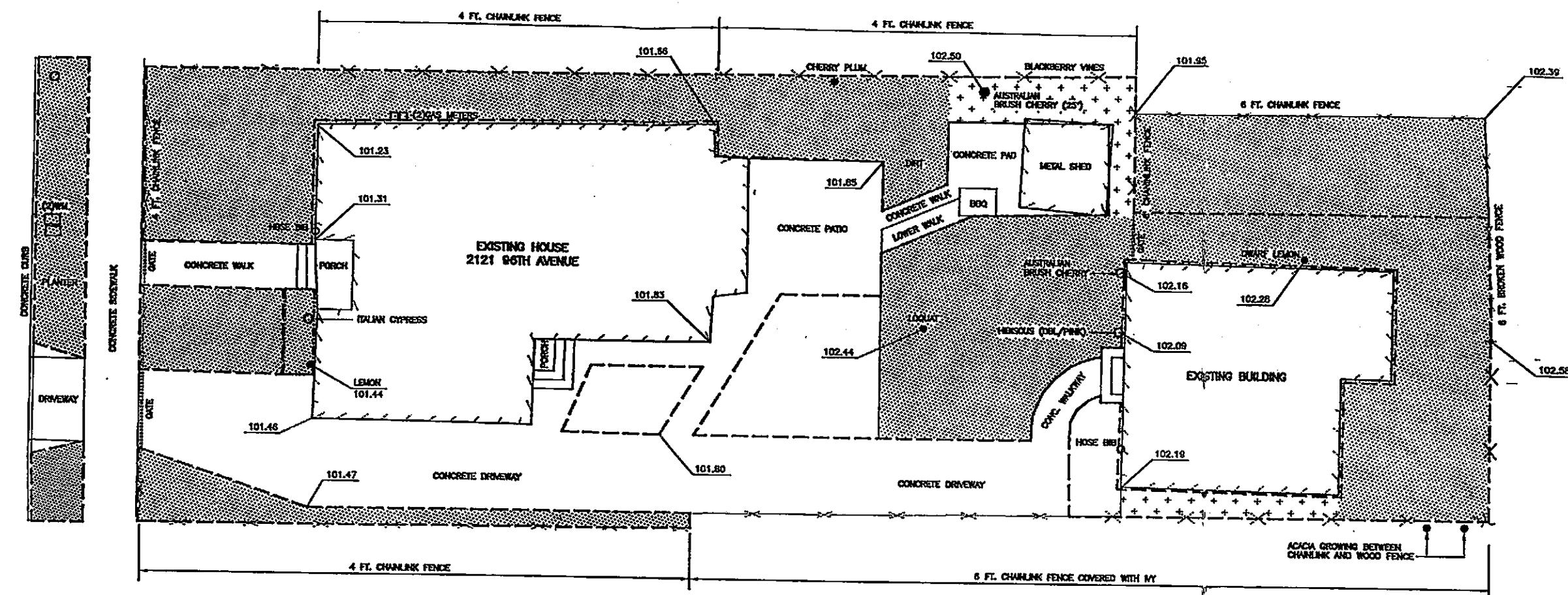
FIGURE

DRAWING NUMBER  
12253-E45

△ 12-20-86	ISSUED FOR OWNER APPROVAL	DS	
No. DATE	ISSUE / REVISION	OWN. BY	CKD BY AP'D BY

DRAWING 12253-E39

PARCEL 12



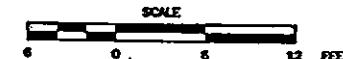
BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
CUPRESSUS SEMPERVIRENS	ITALIAN CYPRESS	N/A	1	15 G
CITRUS LIMON	DWARF LEMON	N/A	2	15 G
ERIOBOTRYA JAPONICA	LOQUAT	N/A	1	48" E
PRUNUS CERASIFERA	CHERRY PLUM	N/A	1	-
SYZYGUM PANICULATUM	AUSTRALIAN BRUSH CHERRY	N/A	2	48" E
HIBISCUS ROSA-SINENSIS	HIBISCUS	DL/PINK	1	15 G

**— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (B)  
UNLESS OTHERWISE NOTED**

----- ADDITIONAL EXCAVATION TO 18" (



SOD REPLACEMENT



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA.

**GMI**

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME: HISAKO H. GEDDES  
PRINTED

PRE

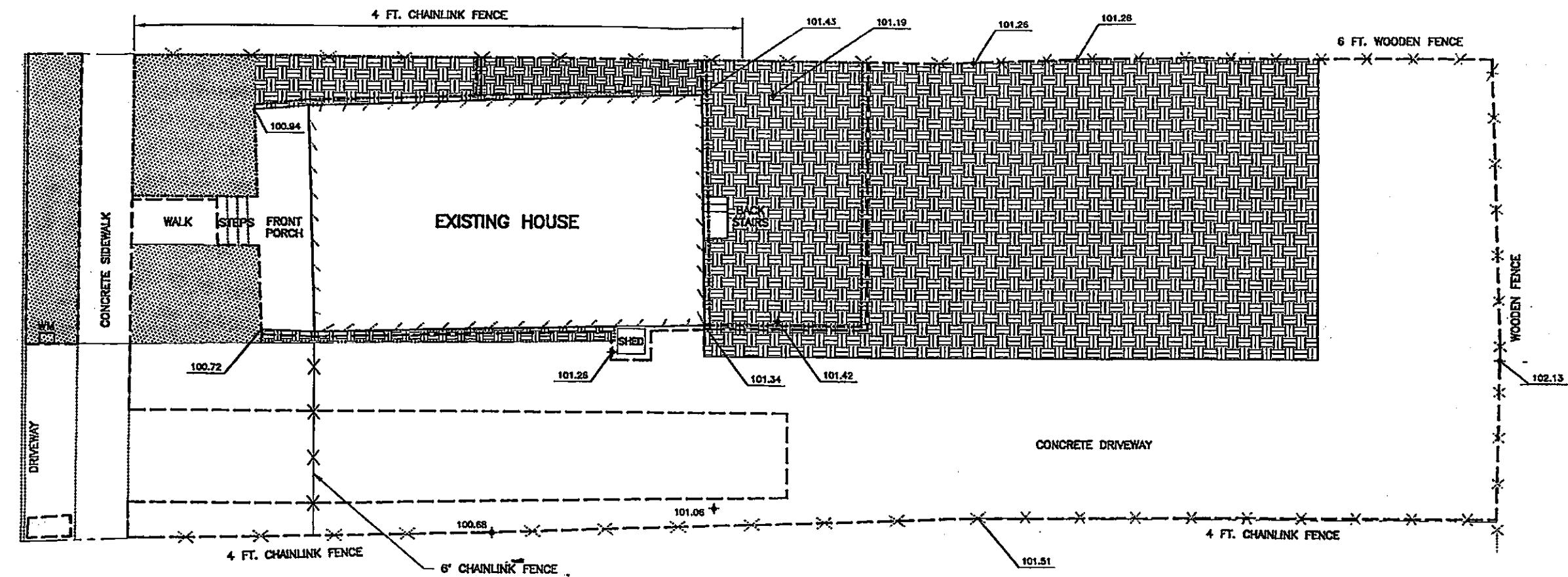
5

1/16/95

DATE: 12-11-86	FIGURE	DRAWING NUMBER 12253-E39
SCALE: AS SHOWN		

## PARCEL 13

DRAWING NUMBER 12253-E29

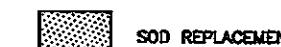


## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

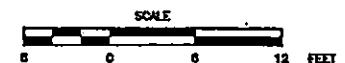
— — — ADDITIONAL EXCAVATION TO 2" BGS



SOD REPLACEMENT



BACKFILL



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

**SMITH**

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△	12-9-96	ISSUED FOR PROPERTY OWNER APPROVAL	DS	
No.	DATE	ISSUE / REVISION	DWG. BY	CKD BY

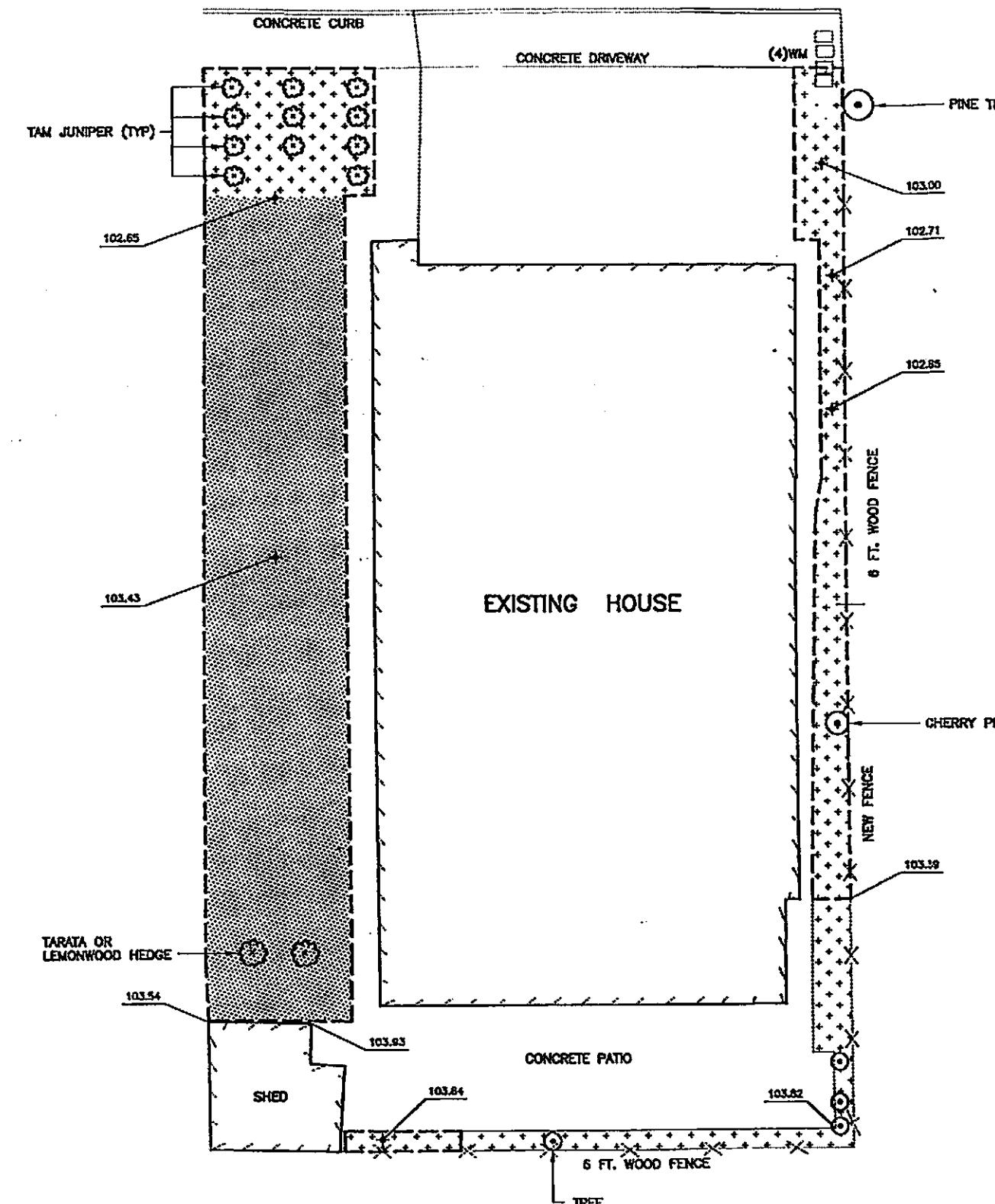
OWNER NAME: *Raymond Braine* PRINTED: *Raymond Braine* DATE: *1-15-97*  
SIGNATURE: *Raymond Braine*

DATE: 10-30-96
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E29

## PARCEL 15

DRAWING 12253-E36

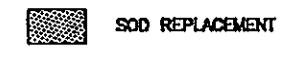


BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
JUNIPERUS SINENSIS "TAMARISCIFOLIA"	TAM JUNIPER	NA	11	5 GAL
PITTOSPORUM EUGENOIDES	TARATA OR LEMONWOOD	NA	2	15 GAL
PRUNUS CERASIFERA	CHERRY PLUM	NA	1	NA
	PINE TREE	NA	1	15" DIA

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

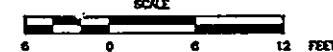
— — AREA EXCAVATED TO 1' BELOW  
GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED



SOD REPLACEMENT



TOPSOIL



## AS-BUILT SITE PLAN

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

SIGNATURE NOT OBTAINED

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**

DATE	ISSUED FOR PROPERTY OWNER APPROVAL	OS	
No.	ISSUE / REVISION	OWN. BY	OKD. BY
		APD. BY	

OWNER NAME: \_\_\_\_\_

PRINTED

SIGNATURE

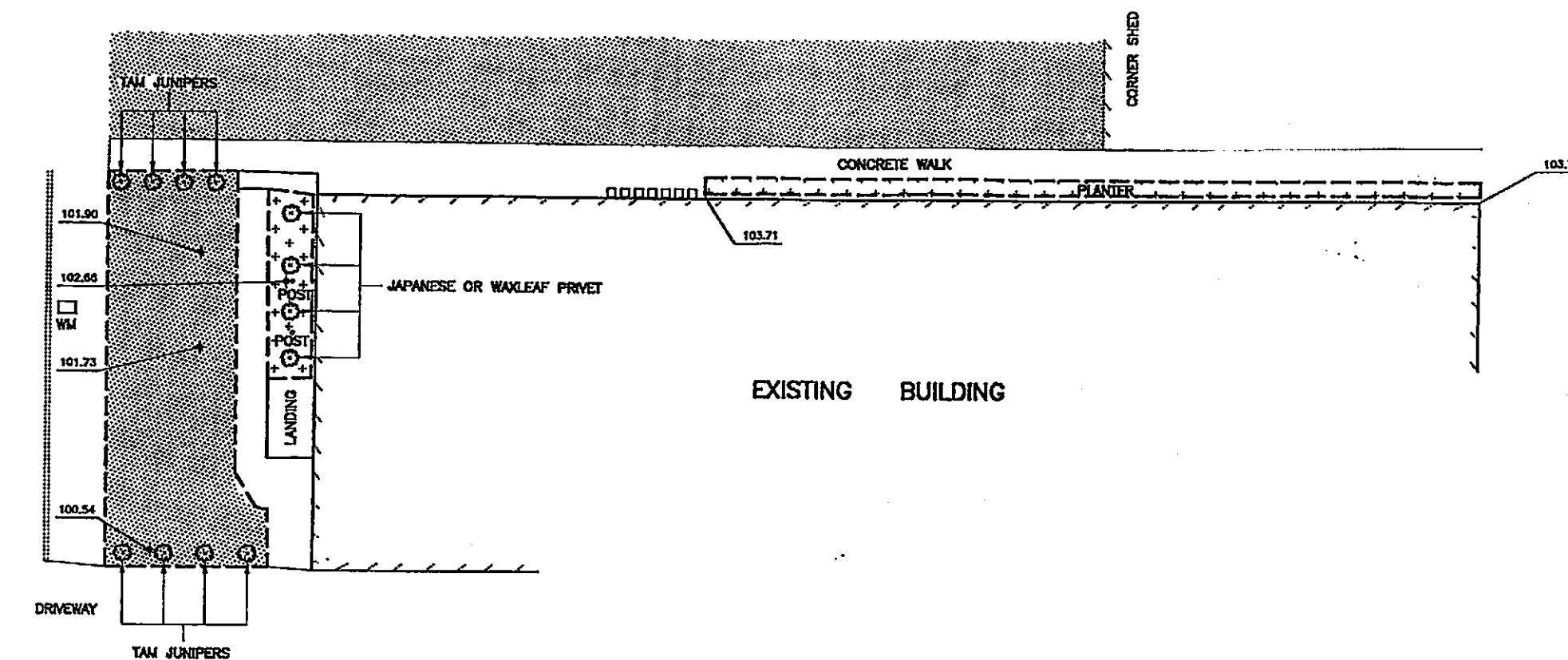
DATE

DATE: 10-31-86	SCALE: AS SHOWN
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DRAWING NUMBER 12253-E36
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DRAWING NUMBER 12253-E32

## PARCEL 16



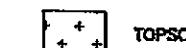
## EXISTING BUILDING

BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
JUNIPERUS SINENSIS "TAMARISCIFOLIA"	TAM JUNIPER	NA	8	5 GAL
LIGUSTRUM JAPONICUM SYN. L. TEXANUM, L.J. "TEXANUM"	JAPANESE OR WAXLEAF PRIVET	NA	4	15 GAL

## ABBREVIATIONS:

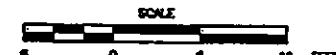
NA NOT APPLICABLE  
WM WATER METER

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED



TOPSOIL

SOD



## AS-BUILT SITE PLAN

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

SIGNATURE NOT OBTAINED

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**

△	12-9-96	ISSUED FOR PROPERTY OWNER APPROVAL	OS		
No.	DATE	ISSUE / REVISION	DRAWN BY	CKD BY	APD BY

OWNER NAME:

PRINTED

SIGNATURE

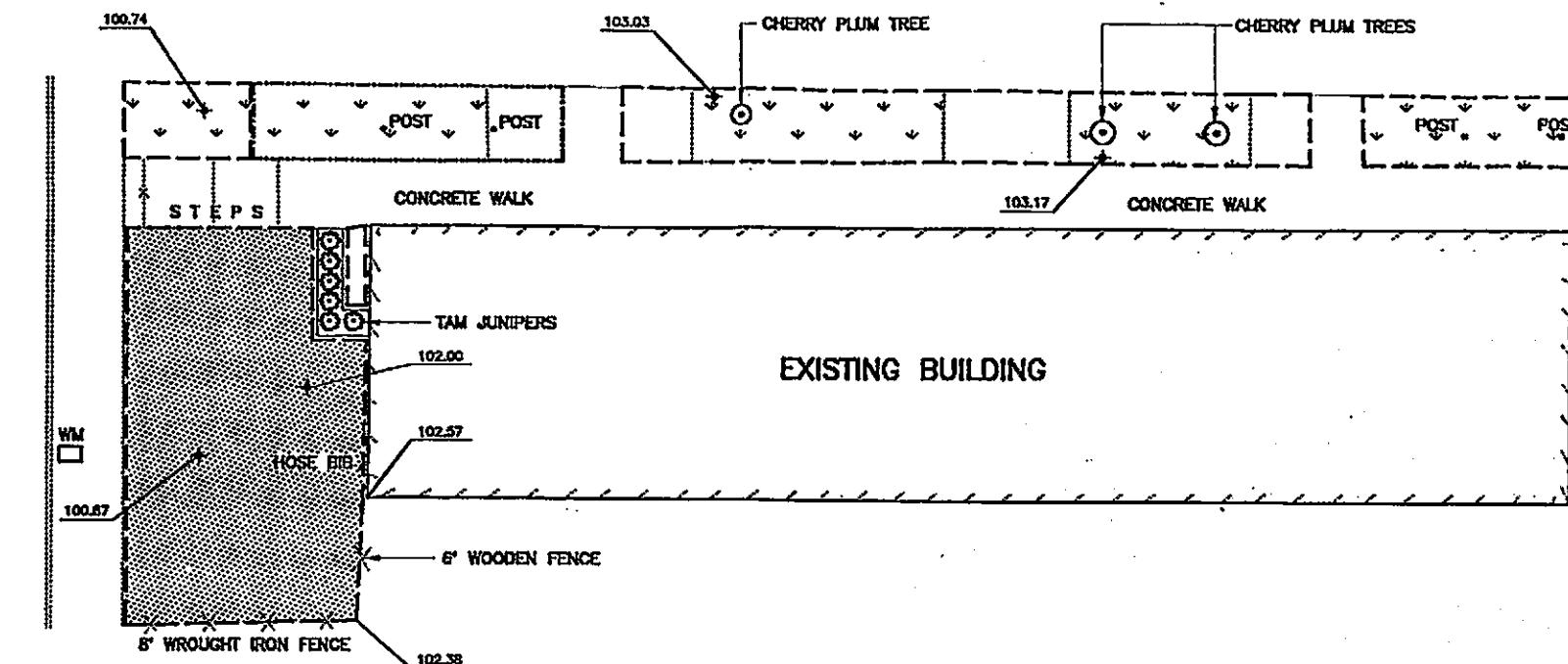
DATE

DATE: 10-30-96
SCALE: AS SHOWN

DRAWING NUMBER 12253-E32
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DRAWING NUMBER 12253-E31

## PARCEL 17



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
PRUNUS CERASIFERA	CHERRY PLUM	NA	3	15 GAL	2"
JUNIPERUS SINENSIS "TAMARISCIFOLIA"	TAM JUNIPER	NA	6	5 GAL	NA

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

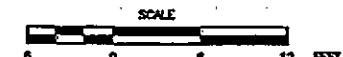
— — — ADDITIONAL EXCAVATION TO 2" BGS



GROUNDCOVER



SOIL REPLACEMENT



## AS-BUILT SITE PLAN

SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

**SMITH**

△ 12-6-95	ISSUED FOR PROPERTY OWNER APPROVAL	DS		
No. DATE	ISSUE / REVISION	DWL BY	CKD BY	APD BY

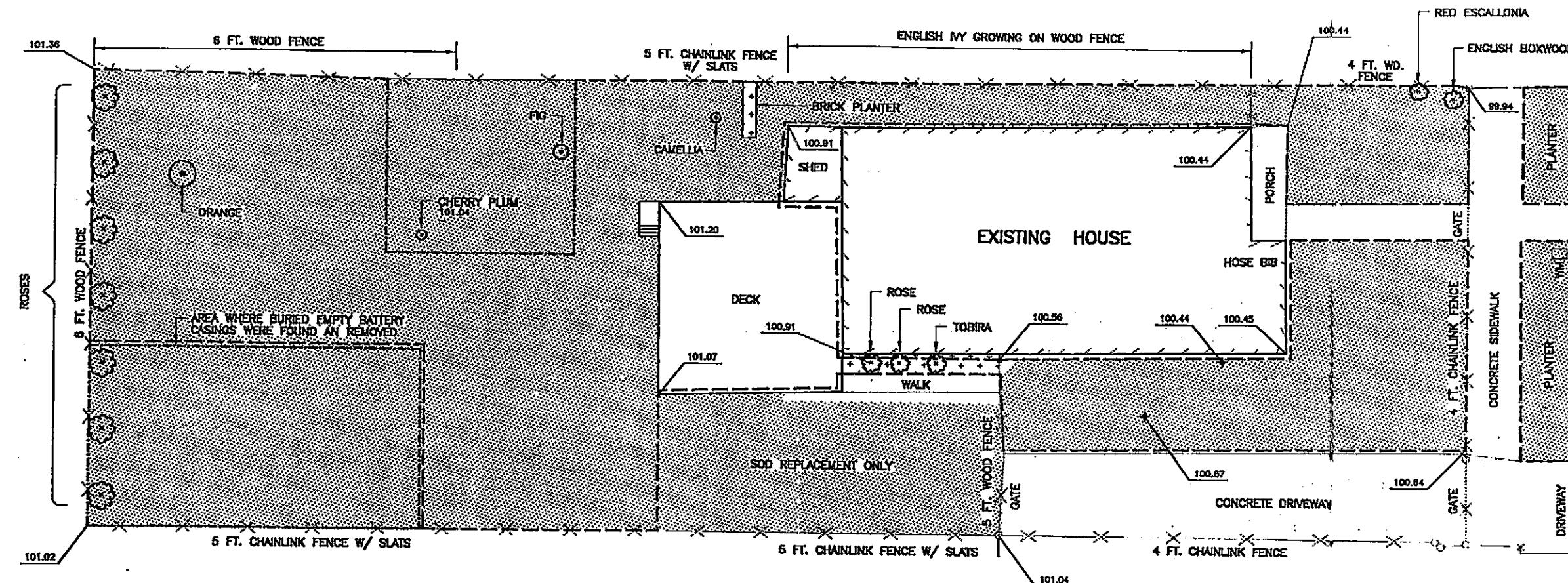
OWNER NAME: \_\_\_\_\_ PRINTED: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DATE: 10-30-96  
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E31

## PARCEL 19

DRAWING NUMBER 12253-E33



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
ESCALLONIA RUBRA	RED ESCALLONIA	NA	1	15 GAL.	NA
BUXUS SEMPERVIRENS	ENGLISH BOXWOOD	NA	1	5 GAL.	NA
HEDERA HELIX	ENGLISH IVY	NA	34	NA	NA
ROSA SPP.	ROSE	UNSPECIFIED	9	5 GAL.	NA
FIGUS CARICA	FIG	NA	1	48" BOX	3"
PRUNUS CERASIFERA	CHERRY PLUM	NA	1	24" BOX	2"
CAMELLIA JAPONICA	CAMELLIA	UNSPECIFIED	1	15 GAL.	NA
	ORANGE	NA	1	24" BOX	2"

## ABBREVIATIONS:

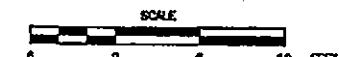
WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

— — — ADDITIONAL EXCAVATION TO 2" BGS

[Hatched Box] SOD REPLACEMENT

[Crossed Box] TOPSOIL



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME: Jennifer G. Willis  
PRINTED: Jennifer Willis  
SIGNATURE: Jennifer Willis

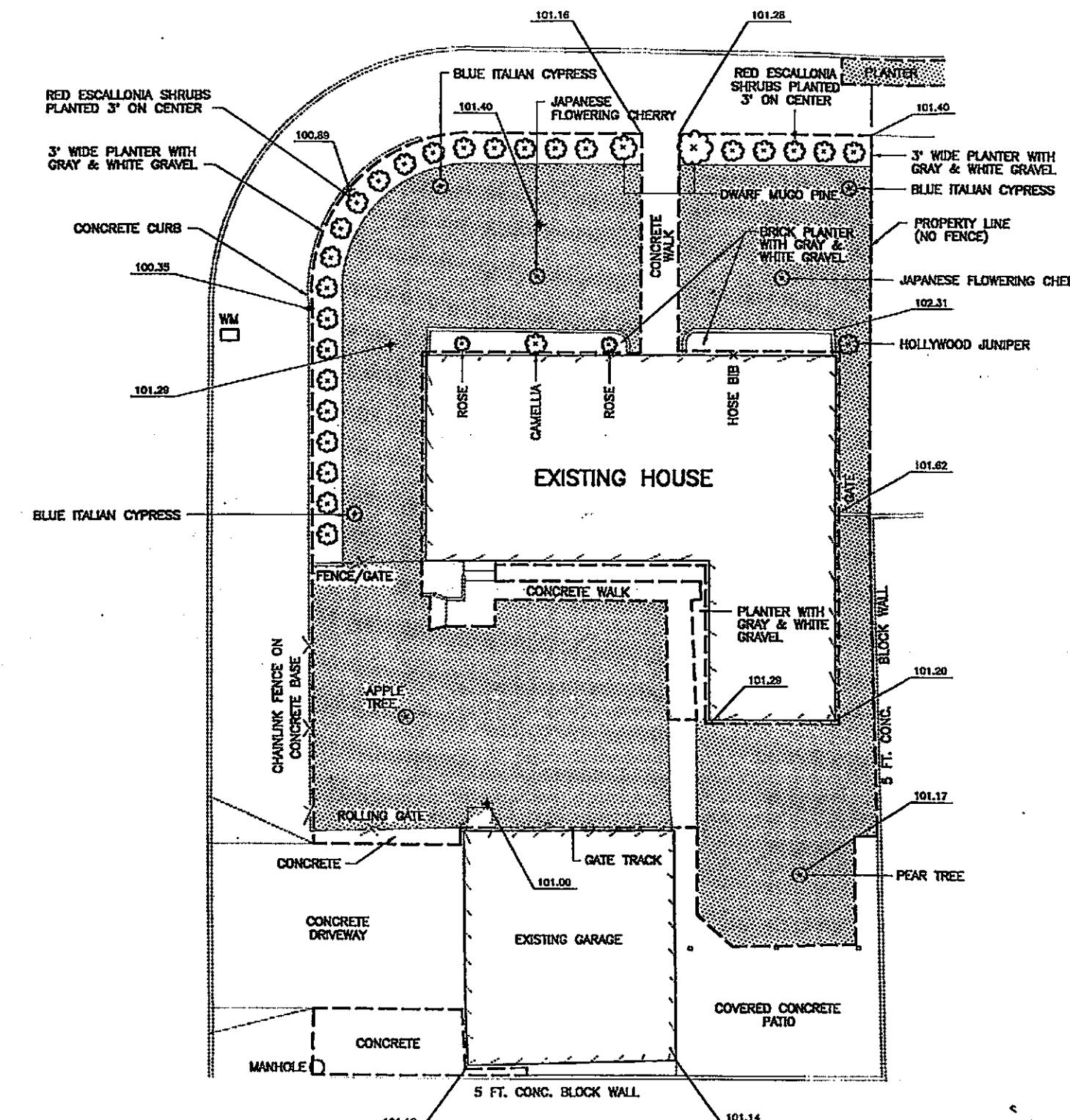
1/8/97

12-2-96	ISSUED FOR PROPERTY OWNER APPROVAL.	DS	
NO. DATE	ISSUE / REVISION	DRAWN BY	CHECKED BY

DATE: 10-30-96	SCALE: AS SHOWN	DRAWING NUMBER: 12253-E33
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## SPRINGFIELD STREET

PARCEL 21



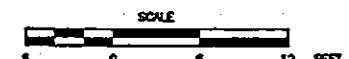
BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
ESCALLONIA RUBRA	RED ESCALLONIA	NA	25	5 GAL	NA
PRUNUS SERRULATA	JAPANESE FLOWERING CHERRY	UNSPECIFIED	2	24" BOX	2"
ROSE SPP.	ROSE	UNSPECIFIED	2	15 GAL	NA
CAMELLIA JAPONICA	CAMELLIA	UNSPECIFIED	1	15 GAL	NA
JUNIPERUS CHINENSIS "KAIZUKA"	HOLLYWOOD JUNIPER	NA	1	15 GAL	NA
	APPLE TREE	NA	1	24" BOX	1"
	PEAR TREE	NA	1	48" BOX	3"
PIMUS MUGO	DWARF MUGO PINE	NA	2	5 GAL	NA
CUPRESSUS SEMPERVIRENS "GLAUCA"	BLUE ITALIAN CYPRESS	NA	3	5 GAL	NA

## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

SOD REPLACEMENT



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

CARL RICE

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

OWNER NAME:

PRINTED

SIGNATURE

DATE

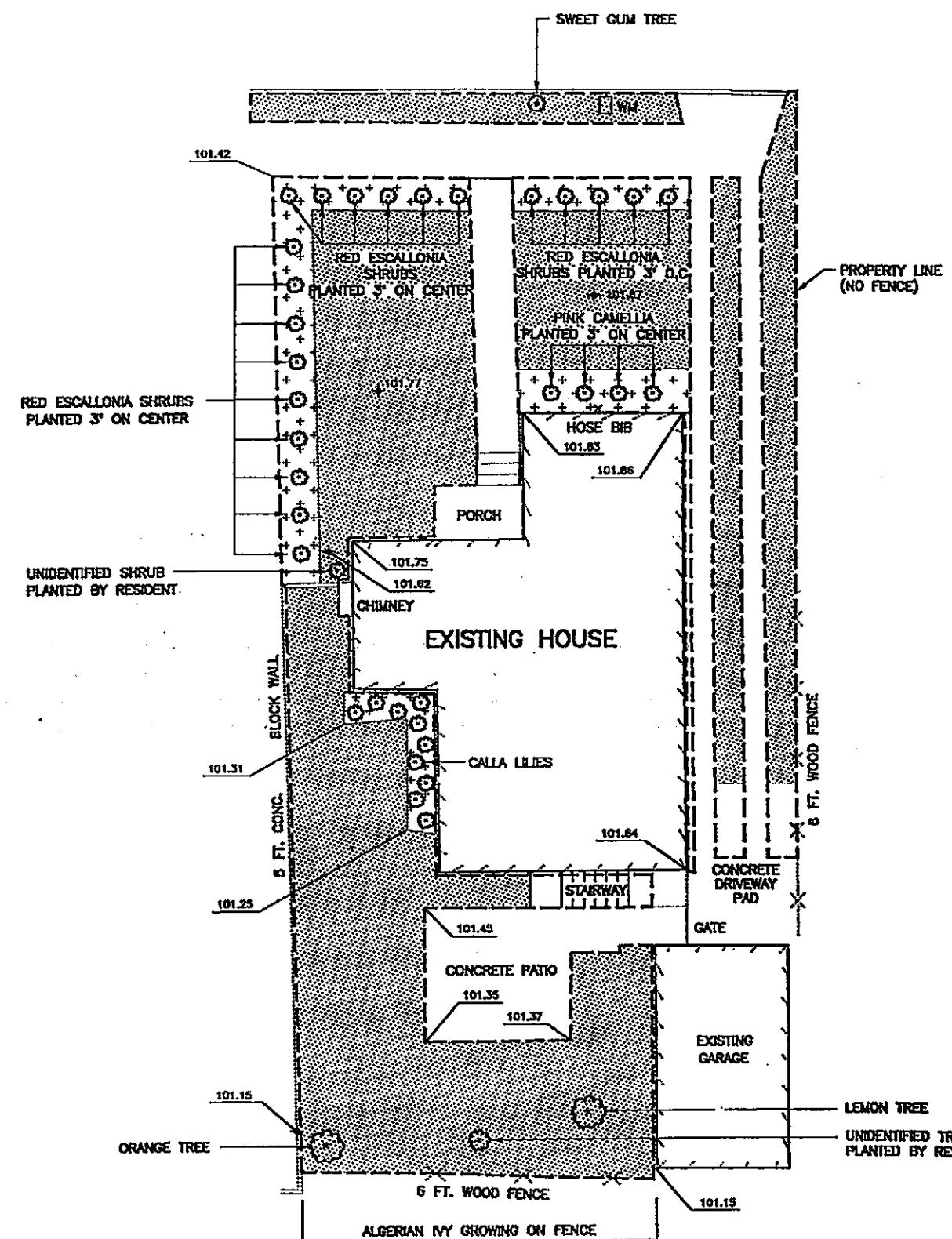
DATE: 10-31-86  
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E35

△ 12-9-86	ISSUED FOR OWNER APPROVAL	DS		
No. DATE	ISSUE / REVISION	DRW. BY	CKD. BY	APD. BY

OWNER NAME: \_\_\_\_\_  
PRINTED: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

## PARCEL 22



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE	APPROX. TRUNK DIAMETER
ESCALLONIA RUBRA	RED ESCALLONIA	NA	20	5 GAL	NA
ZANTEDESCHIA AETHIOPICA	CALLA LILY	WHITE	10	1 GAL	NA
CAMELLIA JAPONICA	CAMELLIA	PINK	4	15 GAL	NA
CITRUS LIMON	DWARF LEMON TREE	NA	1	15 GAL	NA
	DWARF ORANGE TREE	NA	1	15 GAL	NA

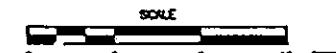
## ABBREVIATIONS:

WM WATER METER  
NA NOT APPLICABLE

— AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

+ + TOPSOIL

[hatched pattern] SOD REPLACEMENT



## AS-BUILT SITE PLAN

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

SIGNATURE NOT OBTAINED

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

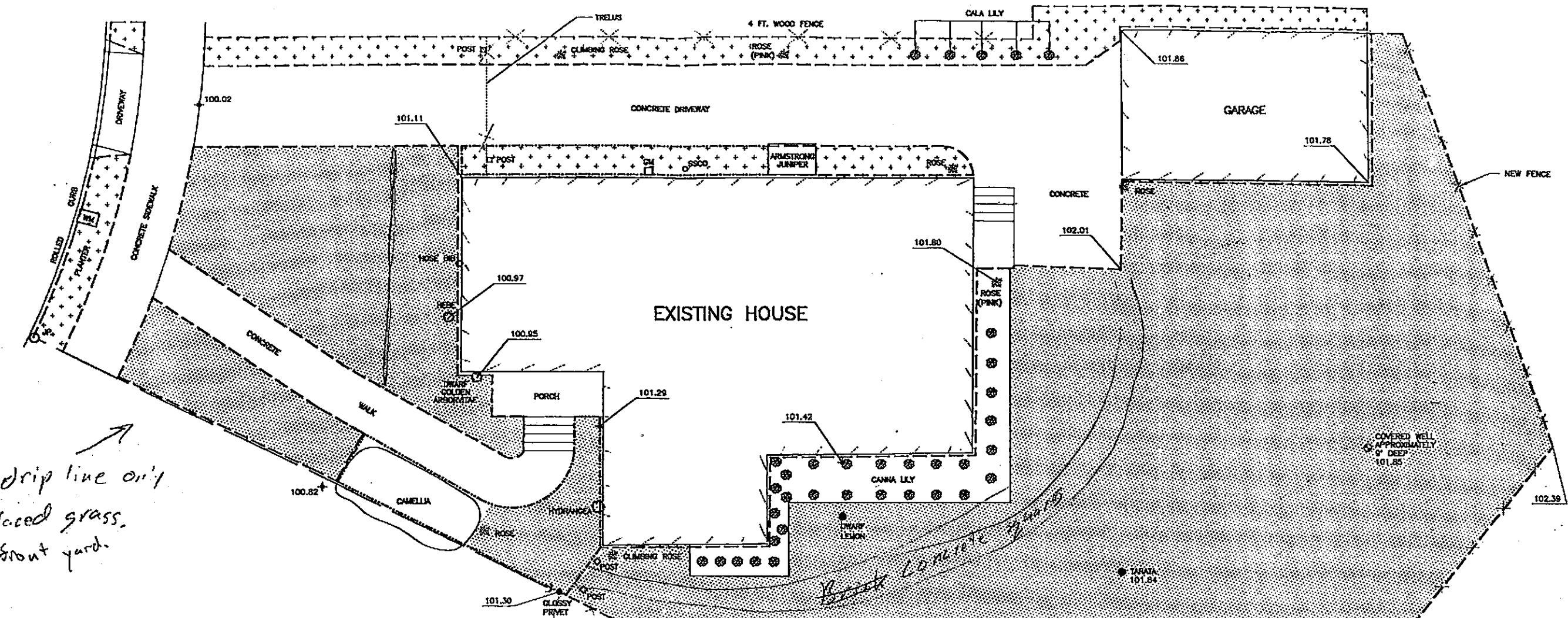
12-9-94	ISSUED FOR PROPERTY OWNER APPROVAL	OS		
No. DATE	ISSUE / REVISION	OWN. BY	CKD BY	APD BY

OWNER NAMES \_\_\_\_\_ PRINTED \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATE: 10-30-95	SCALE: AS SHOWN	DRAWING NUMBER: 12253-E28
----------------	-----------------	---------------------------

DRAWING NUMBER 12253-E37



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
HEBE SPP.	HEBE	PURPLE	1	15 GAL.
PLATYCLADUS ORIENTALIS 'AUREUS'	DWARF GOLDEN ARBORVITAE	YEL/GRN	1	15 GAL.
HYDRANGEA MACROPHYLLA	BIG LEAF HYDRANGEA	UNKNOWN	1	15 GAL.
LIGUSTRUM LUCIDUM	GLOSSY PRIVET (PRUNED AS TREE)	N/A	1	24" BOX
CAMELLIA JAPONICA	CAMELLIA	UNKNOWN	3	15 GAL.
	WALNUT TREE	N/A	1	48" BOX
ROSA SPP.	CLIMBING ROSE	UNKNOWN	2	15 GAL.
CALA	CALA LILY	UNKNOWN	5	5 GAL.
ROSA SPP.	ROSE	PINK	2	5 GAL.
ROSA SPP.	ROSE	UNKNOWN	3	5 GAL.
JUNIPERUS CHINENSIS 'ARMSTRONG'	ARMSTRONG JUNIPER	N/A	2	15 GAL.
ERIOBOTRYA JAPONICA	LOQUAT	N/A	1	48" BOX
CITRUS LIMON	DWARF LEMON	N/A	1	15 GAL.
PITTOSPORUM EUGENIODES	TARATA	N/A	1	48" BOX
CANNA	CANNA LILY	RED	30	1 GAL.

— AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

— ADDITIONAL EXCAVATION TO 16" BGS

— ADDITIONAL EXCAVATION TO 2' BGS

[Hatched Box] SOIL REPLACEMENT

[Cross-hatch Box] TOPSOIL

SCALE  
0 4 8 FEET

AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△ 12-20-96	ISSUED FOR OWNER APPROVAL	DS			
No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	APD BY

OWNER NAME: \_\_\_\_\_

PRINTED

SIGNATURE

DATE

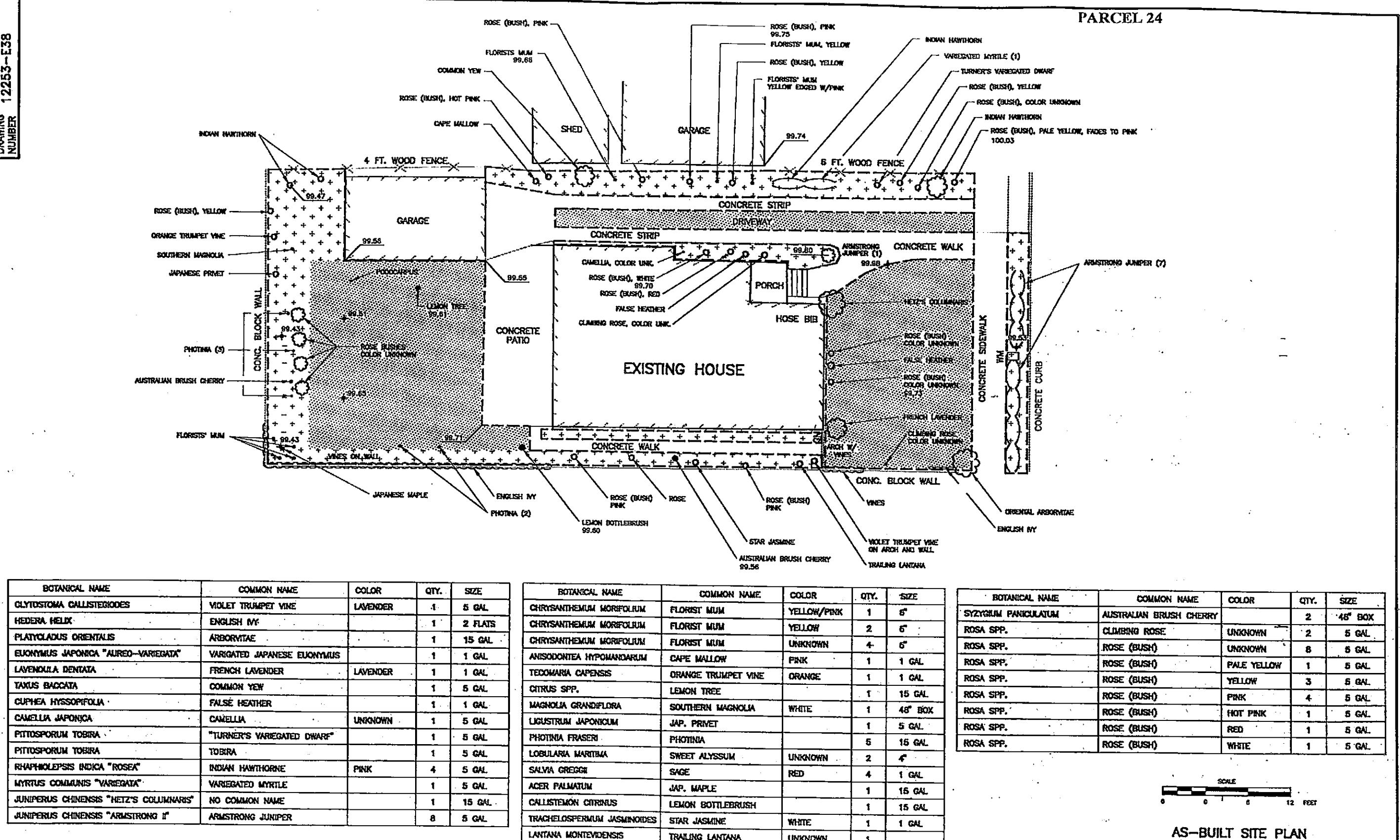
DATE: 12-11-96  
SCALE: AS SHOWN

FIGURE

DRAWING NUMBER  
12253-E37

## PARCEL 24

DRAWING NUMBER 12253-E38



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

— — — AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS) UNLESS OTHERWISE NOTED

TOPSOIL

SOD REPLACEMENT

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△ 12-20-96	ISSUED FOR OWNER APPROVAL	OS	
No.	DATE	ISSUE / REVISION	DWN. BY CKD. BY APTD. BY

OWNER NAME:

PRINTED

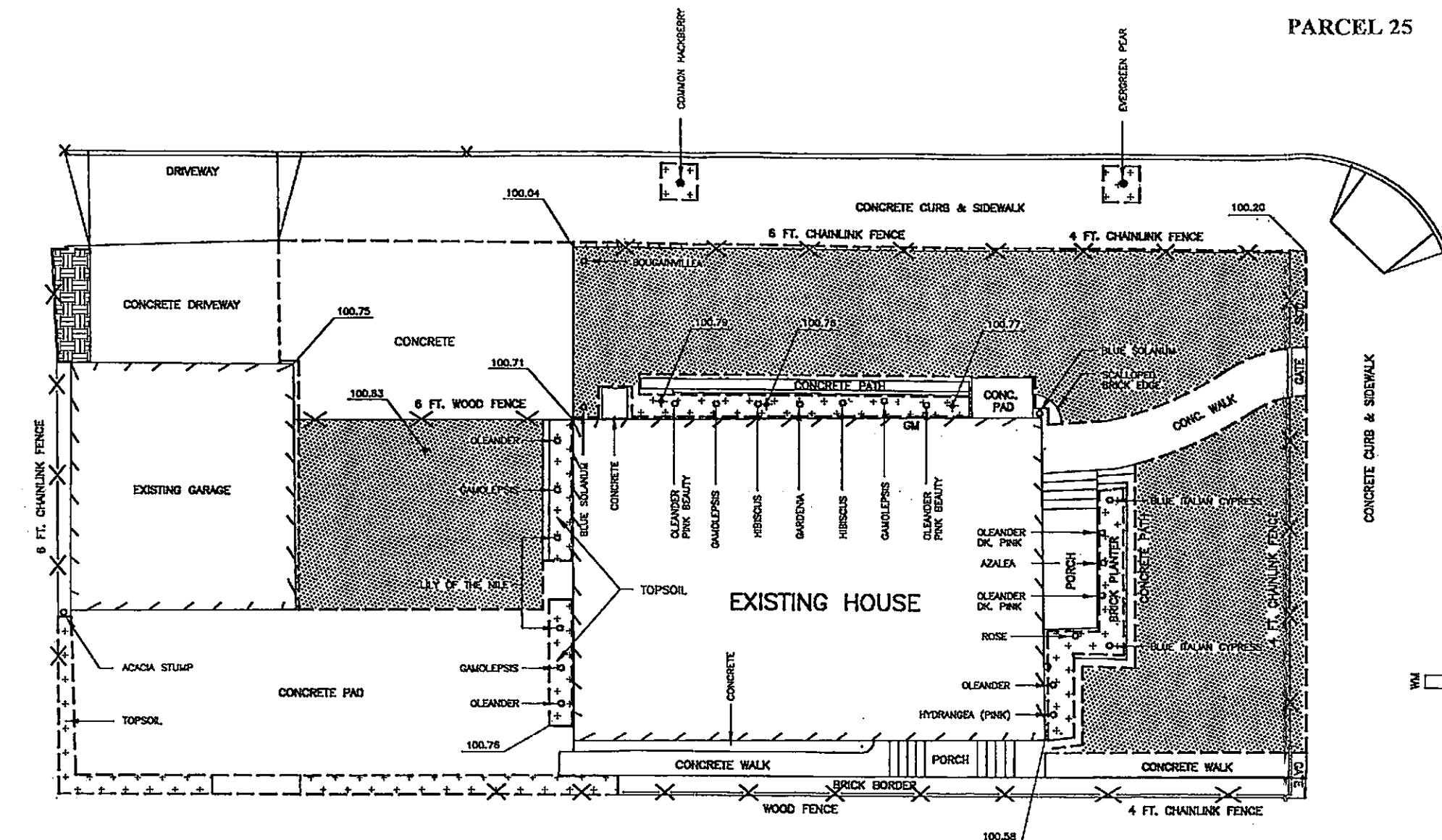
SIGNATURE

1/7/97  
DATEDATE: 12-11-96  
SCALE: AS SHOWN

FIGURE

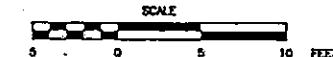
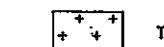
DRAWING NUMBER  
12253-E38

## PARCEL 25



BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
NERIUM OLEANDER	OLEANDER	DARK PINK	3	5 GAL.
NERIUM OLEANDER 'PINK BEAUTY'	OLEANDER	PALE PINK	2	1 GAL.
HARDENBERGIA VIOLACEA	HARDENBERGIA	PURPLE	1	1 GAL.
GAMOLEPSIS CHRYSANTHEMIDES	N/A	YELLOW	4	1 GAL.
GARDENIA AUGUSTA	GARDENIA	WHITE	1	1 GAL.
LYCIANTHES RANTONNEI	BLUE SOLANUM OR PURPLE POTATO VINE	PURPLE	2	5 GAL.
BOUGAINVILLA SPECTABILIS	BOUGAINVILLEA	UNKNOWN	1	1 GAL.
CELTIS OCCIDENTALIS	COMMON HICKBERRY	N/A	1	48" BOX
PYRUS KAWAKAMI	EVERGREEN PEAR	N/A	1	48" BOX
HYDRANGEA MACROPHYLLA	BIG LEAF HYDRANGEA	PINK	1	5 GAL.
ROSE SPP.	ROSE	UNKNOWN	1	15 GAL.
RHODODENDRON SPP.	AZALEA	UNKNOWN	1	5 GAL.
CUPRESSUS SEMPERVIRENS 'GLAUCA'	BLUE ITALIAN CYPRESS	N/A	2	5 GAL.
HEBISCUS	RED	2	5 GAL.	
ACANTHUS ORIENTALIS	LILY OF THE NILE	UNKNOWN	2	5 GAL.

— — — AREA EXCAVATED TO 1" BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**

SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

△ 12-20-96	ISSUED FOR OWNER APPROVAL	CS	CC	CAV	
No.	DATE	ISSUE / REVISION	OWN. BY	CKD BY	AP'D BY

OWNER NAME:

PRINTED

SIGNATURE

DATE

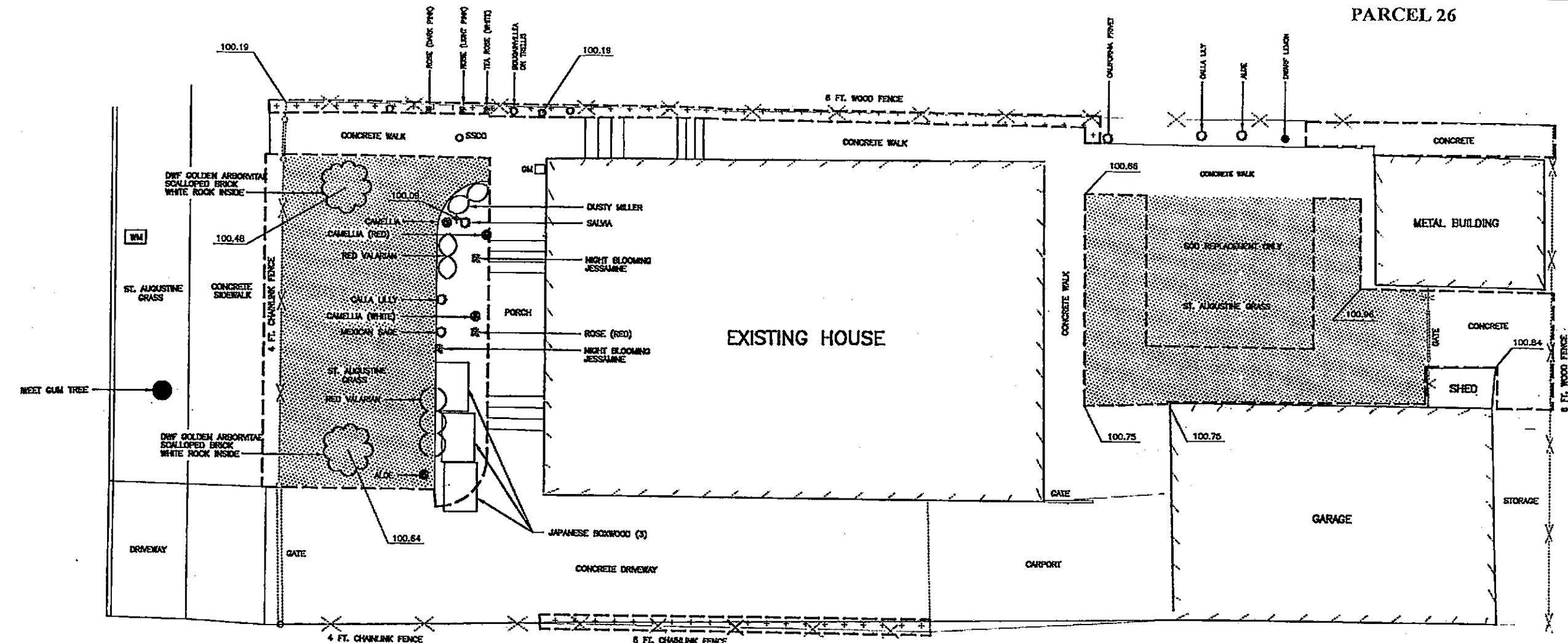
DATE: 12-11-86  
SCALE: AS SHOWN

FIGURE

DRAWING NUMBER  
12253-E42

DRAWING NUMBER 12253-E41

## PARCEL 26



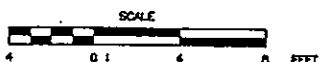
BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
Liquidamber styraciflua	SWEET GUM TREE	N/A	1	48" BOX
Platycladus orientalis aureus	DWARF GOLDEN ARBORVITAE	YEL/GRN	2	15 GAL
Camellia japonica	CAMELLIA	WHITE	1	15 GAL
Camellia japonica	CAMELLIA	RED	1	15 GAL
Rosa spp.	ROSE	RED	1	15 GAL
Rosa spp.	ROSE	DRK. PINK	1	15 GAL
Rosa spp.	ROSE	LT. PINK	1	15 GAL
Rosa spp.	TEA ROSE	WHITE	1	15 GAL
Rosa spp.	CLIMBING ROSE	UNKNOWN	1	15 GAL
Bougainvillea spectabilis	PURPLE BOUGAINVILLEA	VIOLET	1	15 GAL

BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
Cestrum nocturnum	NIGHT BLOOMING JESSAMINE	WHITE	2	15 GAL
Centranthus ruber	RED VALERIAN	PINK	6	1 GAL
Artemisia stellerana	DUSTY MILLER	YELLOW	2	1 GAL
Zantedeschia aethiopica	CALLY LILLY	WHITE	2	1 GAL
Salvia leucantha	MEXICAN SAGE	PURPLE	1	1 GAL
Aloe nobilis	ALOE	N/A	2	1 GAL
Buxus microphylla japonica	JAPANESE BOXWOOD	N/A	3	15 GAL
Ligustrum ovalifolium	CALIFORNIA PRIVET	N/A	1	15 GAL
Citrus limon	DWARF LEMON	N/A	1	15 GAL

AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)

SOD REPLACEMENT

TOPSOIL



## AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA**SMITH**THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.OWNER NAME: VERA TURRENTINE PRINTED Veronica Turrentine SIGNATURE

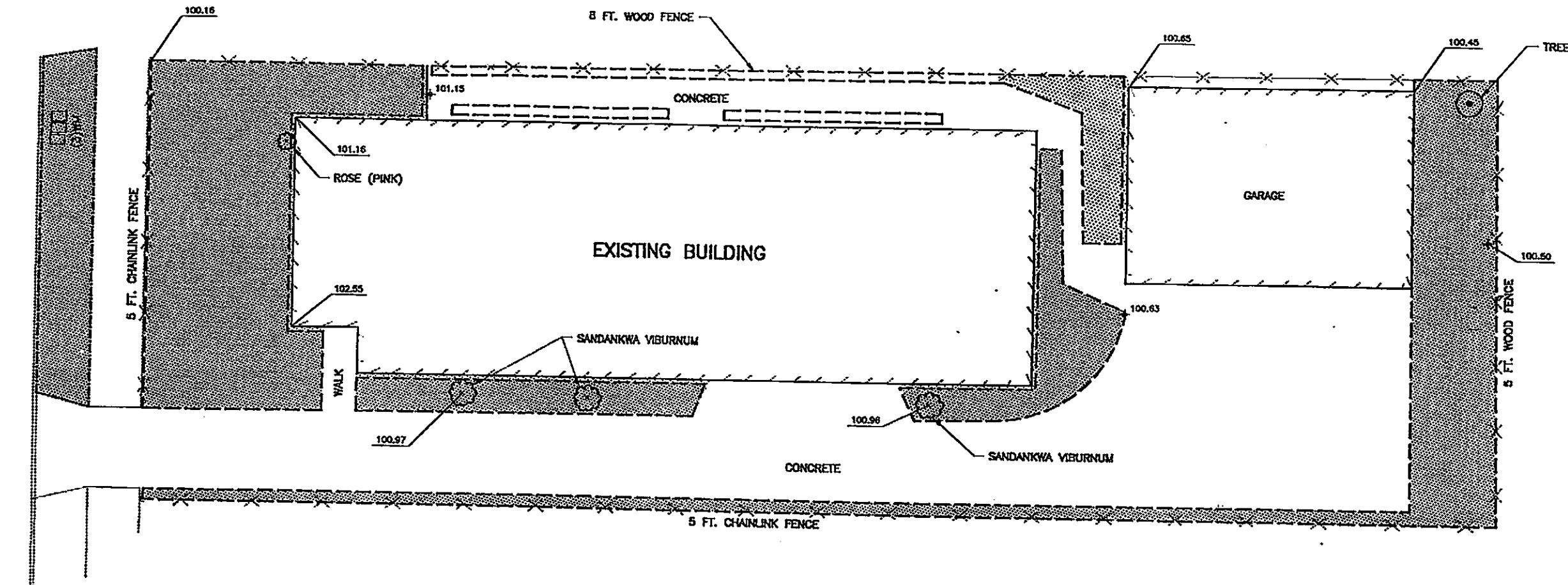
1-7-91

DATE	ISSUE / REVISION	DS	DW	OKD BY	APD BY
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DATE: 12-11-96	FIGURE	DRAWING NUMBER 12253-E41
SCALE: AS SHOWN		

DRAWING NUMBER 12253-E26

PARCEL 28



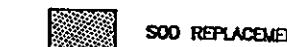
BOTANICAL NAME	COMMON NAME	COLOR	QTY.	SIZE
ROSA SPP.	ROSE	PINK	1	15 GAL
VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	NA	3	15 GAL

ABBREVIATIONS:

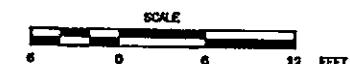
WM WATER METER  
NA NOT APPLICABLE

— — — AREA EXCAVATED TO 1' BELOW GROUND SURFACE (BGS)  
UNLESS OTHERWISE NOTED

— — — ADDITIONAL EXCAVATION TO 2' BGS



SOIL REPLACEMENT



AS-BUILT SITE PLAN

ALLIED SIGNAL  
OAKLAND, CALIFORNIA

SMITH

SIGNATURE NOT OBTAINED

THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE CONDITION  
OF MY PROPERTY AFTER COMPLETION OF THE SITE RESTORATION WORK.

12-8-86	ISSUED FOR PROPERTY OWNER APPROVAL	DS		
No. DATE	ISSUE / REVISION	OWN. BY	CKD. BY	APD. BY

OWNER NAME:

PRINTED

SIGNATURE

DATE

DATE: 10-30-86  
SCALE: AS SHOWN

DRAWING NUMBER  
12253-E26

**APPENDIX C**

**CHAIN-OF-CUSTODY FORMS AND LABORATORY  
ANALYTICAL REPORTS**

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 001**



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

## **Chain of Custody Record**

Nº 1509:

Company: <u>Tarsons Engineering Science</u>	Address: <u>1301 Marina Village Pkwy, 200 Alameda, CA 94501</u>	Sample Type: Container Type:	Analyses															
Phone #: <u>(510) 369-0100</u>	Fax #: <u>(510) 369-9244</u>	1. Water	P - Plastic															
P.O. #: <u>728548.08000</u>	2. Soil	G - Glass																
Client Contact: <u>M. Cohen</u>	3. Sludge	V - VOC																
Project # / Location: <u>Verde Carter Park</u>	4. Oil																	
5. Tissue																		
Other: _____																		
Preservative:																		
1. None	3. HNO3																	
2. H2SO4	4. NaOH																	
Comments																		
Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.										
		Size	Type	No.	Date	Time												
C-002-01	2	4oz	6	1	10/7/96	1425	24721+1	X										
C-002-02				1		1440		*2 X										
C-002-03				1		1450		*3 X										
C-001-01				1		1515		*4 X										
C-001-02				1		1525		*5 X										
C-001-03				1		1540		*6 X										
C-001-04				1		1615		*7 X										
C-001-05	↓	↓	↓	1	↓	1615	↓	*8 X										
Relinquished By:	Date: - - -	Received By:			Date: - - -	TURNAROUND TIME:			<b>FOR LAB USE ONLY</b> <input checked="" type="checkbox"/> RUSH: <u>1</u> day <input type="checkbox"/> turnaround <input type="checkbox"/> ROUTINE  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Time: :				Date: <u>10-8-96</u>	Time: <u>07:42</u>													
Relinquished By: <u>Jimmy Twp</u>	Date: <u>10-07-96</u>	Received For Lab By: <u>D. Thompson</u>			Date: <u>10-8-96</u>	Time: <u>07:42</u>												
SPECIAL INSTRUCTIONS:																		

**SPECIAL INSTRUCTIONS:**

Copies: White - Client Canary - Lab Receiving Pk1 - Lab File Goldenrod - Retained by Sample

Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24721 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-002-01 C-002-02 C-002-03 C-001-01 C-001-02  
ESE FIELD GROUP: 24721 24721 24721 24721 24721  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 10/07/96 10/07/96 10/07/96 10/07/96 10/07/96  
TIME COLLECTED: 14:25 14:40 14:50 15:15 15:25

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	190E	450E	490E	1100E	110E
Moisture	%	160.3	17.8	17.1	12.3	13.8	17.6

000003

Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24721 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-001-03	C-001-04	C-001-05
ESE FIELD GROUP:	24721	24721	24721
ESE SEQUENCE #:	6	7	8
DATE COLLECTED:	10/07/96	10/07/96	10/07/96
TIME COLLECTED:	15:40	16:15	16:15

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	1300B	140E	63E
Moisture	%	160.3	9.1	12.9	13.4

000004



Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24732 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

	C-001-06	C-001-07	C-001-08	C-001-09	C-001-10
ESE FIELD GROUP:	24732	24732	24732	24732	24732
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/09/96	10/09/96	10/09/96	10/09/96	10/09/96
TIME COLLECTED:	13:40	14:00	14:45	14:55	15:10

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	97	<56	<61	<61	<59
Moisture	%	160.3	15.8	10.4	17.6	17.7	14.6

000002



# **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

Nº 14684

Company: <u>Parsons ES</u> Address: <u>1301 Marina Village Parkway</u> <u>Alameda, CA 94501</u>  Phone #: <u>510 769 - 0100</u> Fax #: <u>510 769 - 9244</u> P.O. #: <u>728598</u> Client Contact: <u>Milce Cohen</u> Project # / Location: <u>Verdese Carter Park</u>						Analyses					
Sample Type: Container Type: 1. Water      P - Plastic 2. Soil      G - Glass 3. Sludge      V - VOC 4. Oil 5. Tissue Other: _____  Preservative: 1. None      3. HNO3 2. H2SO4      4. NaOH						SW 6/04 PO 6/4					
Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling				Preser- vative	Lab I.D.		
		Size	Type	No.	Date	Time			Comments		
C-001-11	2	4oz	G	1	10/09/96	1430	/	24742+1 X			
C-001-12				1		1450	/	-2 X			
C-002-13				1		1520	/	-3 X			
C-002-14				1		1535	/	-4 X			
C-002-15				1		1540	/	-5 X			
C-003-11				1		1605	/	-6 X			
C-003-12				1		1610	/	-7 X			
Relinquished By:		Date: - - -		Received By:		Date: - - -		TURNAROUND TIME:		FOR LAB USE ONLY	
		Time: :				Time: :		<input checked="" type="checkbox"/> RUSH: day turnaround		Samples Received Chilled <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By:		Date: 10 - 10 - 96		Received For Lab By:		Date: 10-11-96					
<u>Tania Turpin</u>		Time: 16:30		<u>D. Thompson</u>		Time: 07:42					
SPECIAL INSTRUCTIONS:  Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler											

**SPECIAL INSTRUCTIONS:**

Cooler: White - Client    Canary - Lab Receiving    Pink - Lab File    Goldennrod - Retained by Sample

Environmental Science & Engineering 10/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24742 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-001-11 C-001-12 C-002-13 C-002-14 C-002-15  
24742 24742 24742 24742 24742  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 10/10/96 10/10/96 10/10/96 10/10/96 10/10/96  
TIME COLLECTED: 14:30 14:50 15:20 15:35 15:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<61	<58	<60	100	210
Moisture	%	160.3	17.3	14.1	16.7	10.4	10.2

00002



Environmental Science & Engineering 10/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24750 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-001-13 C-002-16 C-002-17 C-002-18 C-002-19  
24750 24750 24750 24750 24750  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 10/11/96 10/11/96 10/11/96 10/11/96 10/11/96  
TIME COLLECTED: 11:35 12:00 12:25 12:35 13:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<60	<55	250	340	340
Moisture	%	160.3	16.0	9.3	10.4	10	8.4

000002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 002**



Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1696504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24721 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-002-01 C-002-02 C-002-03 C-001-01 C-001-02  
24721 24721 24721 24721 24721  
1 2 3 4 5  
10/07/96 10/07/96 10/07/96 10/07/96 10/07/96  
14:29 14:40 14:50 15:15 15:25

PARAMETERS	UNITS	METHOD
Lead	MG/KG-DRY	6010
Moisture	%	160.3

Sample results  
were rejected  
because samples  
did not pass  
QA/QC check

000003

Environmental Science & Engineering 11/04/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24721A LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-002-01	C-002-02
ESE FIELD GROUP:	24721A	24721A
ESE SEQUENCE #:	1	2
DATE COLLECTED:	10/07/96	10/07/96
TIME COLLECTED:	14:25	14:40

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	670	270
Moisture	%	160.3	17.0	17.1

repreparation  
of samples  
due to  
QA/GC failure  
for first run

00002



Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24724 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
BSE FIELD GROUP:  
BSE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-002-04 C-002-05 C-002-06 C-002-07 C-002-08  
24724 24724 24724 24724 24724  
1 2 3 4 5  
10/08/96 10/08/96 10/08/96 10/08/96 10/08/96  
14:25 14:40 14:55 15:15 15:35

PARAMETERS UNITS METHOD

Lead	MG/KG-DRY	6010	110	68	42	320	23
Moisture	%	160.3	9.9	11.7	10.9	12.1	14.7

<59 <56

Sample concentrations  
when corrected for  
method detection limit  
and moisture content

000002

Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24724 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-002-09  
ESE FIELD GROUP: 24724  
ESE SEQUENCE #: 6  
DATE COLLECTED: 10/08/96  
TIME COLLECTED: 16:00

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	110
Moisture	%	160.3	12.1

000003





## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

No 14684

Company: Parsons ES Address: 1301 Marina Village Parkway Alameda, CA 94501							Analyses		
Phone #: 510-769-0100 Fax #: 510-769-9244 P.O. #: 728598							Sample Type: Container Type:		
Client Contact: Mice Cohen Project # / Location: Verdese Carter Park							1. Water P - Plastic 2. Soil G - Glass 3. Sludge V - VOC 4. Oil 5. Tissue Other: _____		
							Preservative: 1. None 3. HNO3 2. H2SO4 4. NaOH		
							PQ by Subj04		
Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments	
		Size	Type	No.	Date				Time
C-001-11	2	4oz	G	1	10/10/96	1430	—	24742*1 X	
C-001-12				1		1450	—	-2 X	
C-002-13				1		1520	—	-3 X	
C-002-14				1		1535	—	-4 X	
C-002-15				1		1540	—	-5 X	
C-003-1				1		1605	—	-6 X	
C-003-12				1		1610	—	-7 X	
Relinquished By:		Date: - - -	Received By:		Date: - - -	TURNAROUND TIME:		FOR LAB USE ONLY	
		Time: : :			Time: : :	<input checked="" type="checkbox"/> RUSH: day			Samples Received Chilled
Relinquished By:		Date: 10 - 10 - 96	Received For Lab By:		Date: 10-11-96	<input checked="" type="checkbox"/> turnaround			<input checked="" type="checkbox"/> Yes ✓
<i>Tania Turpin</i>		Time: 16:30	<i>DJ Thompson</i>		Time: 07:42	<input type="checkbox"/> ROUTINE			<input type="checkbox"/> No
SPECIAL INSTRUCTIONS:									

**SPECIAL INSTRUCTIONS:**

Copies: White - Client    Canary - Lab Receiving    Pink - Lab File    Goldenrod - Retained by Sample

Environmental Science & Engineering 10/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24742 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-001-11	C-001-12	C-002-13	C-002-14	C-002-15
ESE FIELD GROUP:	24742	24742	24742	24742	24742
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/10/96	10/10/96	10/10/96	10/10/96	10/10/96
TIME COLLECTED:	14:30	14:50	15:20	15:35	15:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<61	<58	<60	100	210
Moisture	%	160.3	17.3	14.1	16.7	10.4	10.2

00002



Environmental Science & Engineering 10/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24750 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-001-13	C-002-16	C-002-17	C-002-18	C-002-19
ESE FIELD GROUP:	24750	24750	24750	24750	24750
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/11/96	10/11/96	10/11/96	10/11/96	10/11/96
TIME COLLECTED:	11:35	12:00	12:25	12:35	13:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<60	<55	250	340	340
Moisture	%	160.3	16.0	9.3	10.4	10	8.4

000002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 003**



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24683 LAB COORDINATOR Karri Darr

CLIENT SAMPLE ID'S:	C-005-03	C-004-01	C-003-01	B-009-30
ESE FIELD GROUP:	24683	24683	24683	24683
ESE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	09/30/96	09/30/96	09/30/96	09/30/96
TIME COLLECTED:	14:20	15:10	15:40	12:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	130E	63E	360E	NRQ
Moisture	%	160.3	18.4	12.0	10.1	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

000002



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5212

FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

Chain of Custody Record

No 14641

Company: Parsons Engineering Science  
Address: 1301 Marina Village PKWY, #200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244

P.O. #: 728578, 08000

Client Contact: Dave Diamond/Mike Coughlin

Project # / Location: Vendese Carter Park

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue

Other: \_\_\_\_\_  
Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-005-04	2	4oz	G	1	10/2/96	1410	NA	24704+1 X
C-003-02					10/2/96	1420		*2
C-003-03						1520		*3
C-003-04						1540		*4
C-003-05						1610		M/N 11/17
C-005-05						1630		
C-004-04						1640		*5
C-004-05						1645		*6
C-004-02	▼	▼	▼	▼	▼	1740	▼	*7
C-004-06	▼	▼	▼	▼	▼	1710		*8
C-005-06	▼	▼	▼	▼	▼	1530	▼	*9
C-003-06	▼	▼	▼	▼	▼	1620	▼	*10
								*11

Relinquished By:

Dennis Ward

Date: 10-02-96

Time: 18 : 16

Received By:

Date: - -

Time: : :

TURNAROUND TIME:

RUSH: \_\_\_\_ day

turnaround

ROUTINE

FOR LAB USE ONLY

Samples Received Chilled

Yes

No

Relinquished By:

Date: - -

Time: : :

Received For Lab By:

Date: 10-04-96

Time: 01:30

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-005-04	C-003-02	C-003-03	C-003-04	C-005-05
BSE FIELD GROUP:	24704	24704	24704	24704	24704
BSE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
TIME COLLECTED:	14:10	14:20	15:20	15:40	16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	260	57	110	290	<58
Moisture	%	160.3	18.4	8.4	15.9	10.7	14.2

000003

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-003-06  
RSE FIELD GROUP: 24704  
RSE SEQUENCE #: 11  
DATE COLLECTED: 10/02/96  
TIME COLLECTED: 16:20

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	140
Moisture	%	160.3	8.8

000005

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1096504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24705 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-004-03	C-003-07	C-003-08	E-0010-03
ESE FIELD GROUP:	24705	24705	24705	24705
ESE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	10/03/96	10/03/96	10/03/96	10/03/96
TIME COLLECTED:	14:45	15:30	15:35	12:00

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	<57	320	\$20 NRQ
Moisture	%	160.3	12.5	10.2	0.2 NRQ
Lead, total	MG/L	6010	NRQ	NRQ	NRQ <0.50

*Sample  
at 1000  
was  
permeated*

NRQ - Analysis not requested.

000006



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

No. 14646

Company: Parsons Engineering Services, Inc.  
Address: 1501 Marlin Valley Parkway, #2000  
Albuquerque, NM 87109

Phone #: (50) 761-0100 Fax #: ( ) -

P.O. #: 729590, 08000

Client Contact: M. Cohen

Project # / Location: Verde Carter Park

**Sample Type:** **Container Type:**

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge      V - VOC

#### 4. Oil

## 5. Tissue

- Other:** \_\_\_\_\_  
**Preservative:**  
1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## Analyse

## **Comments**

Relinquished By:

Date: 10-04 -96  
Time: 17:05

**Received By:**

Date: - -  
Time: : :

#### **TURNAROUND TIME:**

RUSH: / day

**turnaround**

QUESTION

**FOR LAB USE ONLY**  
Samples Received Chilled

17

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**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/17/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24716 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-003-09	C-003-10
ESE FIELD GROUP:	24716	24716
ESE SEQUENCE #:	1	2
DATE COLLECTED:	10/04/96	10/04/96
TIME COLLECTED:	15:50	16:00

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	150E	400E
Moisture	%	160.3	14.3	10.5

000002



**Environmental  
Science &  
Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ -

**Due Date:**

## **Chain of Custody Record**

Nº 14684

Company: Parsons ES		Sample Type: Container Type:		Analyses				
Address: 1301 Marina Village Parkway Alameda, CA 94501		1. Water	P - Plastic					
		2. Soil	G - Glass					
		3. Sludge	V - VOC					
		4. Oil						
		5. Tissue						
		Other: _____						
Phone #: 510-769-0100 Fax #: 510-769-9244		Preservative:						
P.O. #: 728598		1. None	3. HNO3					
Client Contact: Mike Cohen		2. H2SO4	4. NaOH					
Project # / Location: Verdese Carter Park								
Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-001-11	2	4oz	G	1	10/10/96	1430	—	24742+1 X
C-001-12	1	1	1	1		1450	—	2 X
C-002-13	1	1	1			1520	—	3 X
C-002-14	1	1	1			1535	—	4 X
C-002-15	1	1	1			1540	—	5 X
C-003-11	1	1	1			1605	—	6 X
C-003-12	1	1	1			1610	—	7 X
Relinquished By:	Date: - - -		Received By:		Date: - - -		TURNAROUND TIME:	
	Time: :				Time: :		<input checked="" type="checkbox"/> RUSH: day	
Relinquished By:	Date: 10-10-96		Received For Lab By:		Date: 10-11-96		<input type="checkbox"/> turnaround	
Tania Tania	Time: 16:30		D. Thompson		Time: 07:42		<input type="checkbox"/> ROUTINE	
<b>FOR LAB USE ONLY</b> <input checked="" type="checkbox"/> Samples Received Chilled <input checked="" type="checkbox"/> Yes <i>30</i> <input type="checkbox"/> No <i>30</i>								

**SPECIAL INSTRUCTIONS:**

Copies: White - Client Canary - Lab Received Pink - Lab File Goldenrod - Retained by Sample

Environmental Science & Engineering 10/16/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24742 LAB COORDINATOR Karri Darr

CLIENT SAMPLE ID'S:	C-003-11	C-003-12
ESE FIELD GROUP:	24742	24742
ESE SEQUENCE #:	6	7
DATE COLLECTED:	10/10/96	10/10/96
TIME COLLECTED:	16:05	16:10

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	63	130
Moisture	%	160.3	8.1	8.0

0003

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 004**



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1096504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24683 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-005-03	C-004-01	C-003-01	E-009-30
ESB FIELD GROUP:	24683	24683	24683	24683
ESB SEQUENCE #:	1	2	3	4
DATE COLLECTED:	09/30/96	09/30/96	09/30/96	09/30/96
TIME COLLECTED:	14:20	15:10	15:40	12:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	130E	63E	360E	NRQ
Moisture	%	160.3	18.4	12.0	10.1	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

000002



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

Chain of Custody Record

No 14645

Company: Parsons Engineering Science  
Address: 1301 Marina Village PKWY, #200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598, 08000+

Client Contact: Dave Diamond /m, Esq.  
Project # / Location: Verdese Carter Park

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date	Time		
C-005-04	2	4oz	G	1	10/29/96	1410	NA	24704+1 X
C-003-02					10/29/96	1420		*2
C-003-03						1520		*3
C-003-04						1540		*4
C-003-05						1600		10/29/96
C-005-05						1630		*5
C-004-04						1640		*6
C-004-05						1645		*7
C-004-02	✓	✓	✓	✓	✓	1700	✓	*8
C-004-06	✓	✓	✓	✓	✓	1710		*9
C-005-06	✓	✓	✓	✓	✓	1530	✓	*10
C-003-06	✓	✓	✓	✓	✓	1620	✓	*11

Relinquished By: <i>Lennie Worel</i>	Date: 10-02-96 Time: 18 : 16	Received By: <i>J. Thompson</i>	Date: - - - Time: : :	TURNAROUND TIME: <input type="checkbox"/> RUSH: ____ day <input type="checkbox"/> turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY <input type="checkbox"/> Samples Received Chilled <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Relinquished By: <i>J. Thompson</i>	Date: - - - Time: : :	Received For Lab By: <i>J. Thompson</i>	Date: 10-04-96 Time: 01:30		

SPECIAL INSTRUCTIONS:



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 S100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-004-04	C-004-05	C-004-02	C-004-06	C-005-06
ES2 FIELD GROUP:	24704	24704	24704	24704	24704
ES2 SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
TIME COLLECTED:	16:40	16:45	17:40	17:10	15:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	360	63	140	100	<50
Moisture	%	160.3	11.6	11.4	10.6	10.7	14.2

000004

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24705 LAB COORDINATOR Karri Darr

CLIENT SAMPLE ID'S:	C-004-03	C-003-07	C-003-08	E-0010-03
ESB FIELD GROUP:	24705	24705	24705	24705
ESB SEQUENCE #:	1	2	3	4
DATE COLLECTED:	10/03/96	10/03/96	10/03/96	10/03/96
TIME COLLECTED:	14:45	15:20	15:35	12:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	<57	320	520	NRQ
Moisture	%	160.3	12.5	10.2	0.2	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

000006

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 005**



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24683 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-005-03	C-004-01	C-003-01	E-009-30
RSE FIELD GROUP:	24683	24683	24683	24683
RSE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	09/30/96	09/30/96	09/30/96	09/30/96
TIME COLLECTED:	14:30	15:10	15:40	12:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	130E	63E	360E	NRQ
Moisture	%	160.3	18.4	12.0	10.1	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

000002



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

# Chain of Custody Record

No 14645

Company: Parsons Engineering Science  
Address: 1301 Marina Village PKWY, #200  
Alameda, CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598, 08000  
Client Contact: Dave Diamond/Mike Cohn  
Project # / Location: Vendese Carter Park

### Analyses

### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-005-04	2	4oz	G	1	10/21/96	1410	NA	24704+1 X
C-003-02					10/21/96	1420		*2
C-003-03						1520		*3
C-003-04						1540		*4
C-003-05						1610		(11/11/96) Not sampled
C-005-05						1630		*5
C-004-04						1640		*6
C-004-05						1645		*7
C-004-02	✓	✓	✓	✓	✓	1740		*8
C-004-06	✓	✓	✓	✓	✓	1710		*9
C-005-06	✓	✓	✓	✓	✓	1530		*10
C-003-06	✓	✓	✓	✓	✓	1620		*11

Relinquished By: <i>Dennis Ward</i>	Date: 10-02-96 Time: 18 : 16	Received By: <i>J. Thompson</i>	Date: -- - Time: : :	TURNAROUND TIME: <input type="checkbox"/> RUSH: ____ day <input type="checkbox"/> turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY <input type="checkbox"/> Samples Received Chilled <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Relinquished By: <i>J. Thompson</i>	Date: - - Time: : :	Received For Lab By: <i>J. Thompson</i>	Date: 10-04-96 Time: 01:30			

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

D-005-04 C-003-02 C-003-03 C-003-04 C-005-05  
24704 24704 24704 24704 24704  
1 2 3 4 5  
10/02/96 10/02/96 10/02/96 10/02/96 10/02/96  
14:10 14:20 15:20 15:40 16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	260	57	110	290	<58
Moisture	%	160.3	18.4	8.4	15.9	10.7	14.2

Sample analytical  
was rejected ~~due~~  
~~to~~ because it  
failed the QA/QC  
check.

000003

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
KSE FIELD GROUP:  
KSE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

	C-004-04 24704 6	C-004-05 24704 7	C-004-02 24704 8	C-004-06 24704 9	C-005-06 24704 10
DATE COLLECTED:	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
TIME COLLECTED:	16:40	16:45	17:40	17:10	15:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	160	63	140	100	<58
Moisture	%	160.3	11.6	11.4	10.6	10.7	14.2

000004

Environmental Science & Engineering 11/27/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24704A LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-005-04  
ESE FIELD GROUP: 24704A  
ESE SEQUENCE #: 1  
DATE COLLECTED: 10/02/96  
TIME COLLECTED: 14:10

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	75
Moisture	%	160.3	18.4

Sample repreparation  
due to QA/QL failure  
during first run.

00002



**Environmental  
Science &  
Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

## **Chain of Custody Record**

No. 1464

Company: FERSUS : Engineering Science  
Address: 1261 Maitland Village, Kitchener, N2L 2C1  
Almonster, CA N4E C1

Phone #: (16) 769-0100 Fax #: (16) 769-9100

PO #: 722578-0800

Client Contact: Steve Longmire, White Coating

Project # / Location: Verdose Center 41K

**FOR A BUREAU ONLY**

**Project Number**

**Due Date:**

## Analyses

**Sample Type:** Container Type:

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge      V - VOC

#### 4. Oil

5. Tissue  
Other : \_\_\_\_\_  
**PRESERVATIVE:**  
1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

Relinquished By:  
Jenni Wosel

Date: 9-27 - 96  
Time: 16:15P

Received By:

Date: \_\_\_\_\_

Date:      - -

TURNAROUND TIME

## TURNAROUND TIME

RUSH: \_\_\_\_\_

## turnaround

www.ijesd.org

FOR LAB USE ONLY

## amples Received Chilled

Yes

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**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 \$100 PROJECT NAME PARSONS  
FIELD GROUP 24678 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-25	C-024-26	C-005-01	C-005-02	E009-27
ESE FIELD GROUP:	24678	24678	24678	24678	24678
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/27/96	09/27/96	09/27/96	09/27/96	09/27/96
TIME COLLECTED:	15:30	15:40	16:15	16:25	13:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	210	250	73	140	NRQ
Moisture	%	160.3	8.6	15.7	14.7	17.3	NRQ
Lead, total	MG/L	6010	NRQ	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 007**



Environmental Science & Engineering 09/25/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24602 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-007-04	C-007-01	C-007-08	C-007-07	C-007-03
ESE FIELD GROUP:	24602	24602	24602	24602	24602
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/17/96	09/17/96	09/17/96	09/17/96	09/17/96
TIME COLLECTED:	13:15	13:30	13:32	13:35	13:45

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<55	230	<61	<55	79
Moisture	%	160.3	9.6	7.7	17.7	9.4	9.3

000002

Environmental Science & Engineering 09/25/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24602 LAB COORDINATOR Karrf Derr

CLIENT SAMPLE ID'S:	C-007-06	C-007-09	C-007-10	C-007-11
ESE FIELD GROUP:	24602	24602	24602	24602
ESE SEQUENCE #:	6	7	8	9
DATE COLLECTED:	09/17/96	09/17/96	09/17/96	09/17/96
TIME COLLECTED:	15:10	16:00	16:40	17:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	200	<55	220	540
Moisture	%	160.3	15.7	9.2	20.3	0.2

000003



Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24614 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-007-02	C-007-05	C-013-23	C-013-24
ESE FIELD GROUP:	24614	24614	24614	24614
ESE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	09/18/96	09/18/96	09/18/96	09/18/96
TIME COLLECTED:	16:00	16:05	16:50	17:15

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	210	180	120	80
Moisture	%	160.3	23.1	22.5	8.8	14.8

0002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 008**



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

FOR LAB USE ONLY

Project Number: \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

No. 15080

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Pkwy, Suite 200  
Alameda, CA 94501

---

Phone #: (510) 769-0100 Fax #: (510) 769-9244

P.O. #: 728598, 07000

Client Contact: Mike Fronckowiak, Dave Diamond /  
Mike Cohen

Project # / Location: Verdese Carter Park

**Sample Type: Container Type:**

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |

- 4. Oil
- 5. Tissue
- Other:

**Preservative:**  
1. None    3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## Analyses

20002

## Comments

**Relinquished By:**

Date: 8-19 -96

Time: 17:50

Received By:

Date: -

**Time:** :

#### **TURNAROUND TIME:**

RUSH: 24 hr.

**tumaround**

ROUTINE

**FOR LAB USE ONLY**

#### Samples Received Chilled

Yes  No

No 518-3

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 08/22/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING SCIENCE, INC.  
FIELD GROUP 24451 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-008-04	C-008-06
ESE FIELD GROUP:	24451	24451
ESE SEQUENCE #:	6	7
DATE COLLECTED:	08/19/96	08/19/96
TIME COLLECTED:	16:15	17:30

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	46	87
Moisture	%	160.3	8.1	9.7

200005



Environmental Science & Engineering 08/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24457 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-008-08	C-008-09	C-008-10
ESE FIELD GROUP:	24457	24457	24457
ESE SEQUENCE #:	1	2	3
DATE COLLECTED:	08/20/96	08/20/96	08/20/96
TIME COLLECTED:	15:10	15:30	15:50

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	150	1000	330
Moisture	%	160.3	6.8	6.2	5.4



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

Chain of Custody Record

No 15085

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway #200  
Alameda CA 94501  
  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 720588,0900000  
Client Contact: David Mamad / Mike Coston  
Project # / Location: Verdege Carter Park

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue

Other: \_\_\_\_\_  
Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

Analyses

① Metals:  
Pb, Sn, Sb  
Ni, Cd, Se  
Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Pb	Metals	Sn	6010A	Ge	Sphalerite	PCP
		Size	Type	No.	Date			X	X	X				
Camp-019-A	Soil	8oz	G	2	8/27/96	10:10	N/A							
C-008-11	"	4oz	G	1	8/27/96	13:30	"		X					
C-008-07*	"	"	"	1	8/27/96	14:10	"		X					
C-008-12	"	"	"	1	8/27/96	14:15	"		X					
C-009-02	"	"	"	1	8/27/96	14:50	"		X					
C-009-03	"	"	"	1	8/27/96	1450	"		X					
C-009-01	"	"	"	1	"	1515	"		X					
C-009-08	"	"	"	1	"	1550	"		X					
C-009-06	"	"	"	1	"	1630	"		X					
C-009-07	"	"	"	1	"	1640	"		X					
C-009-04	"	"	"	1	"	1705	"		X					
C-009-05	"	"	"	1	TXT									

Relinquished By:	Date: - - -	Received By:	Date: - - -	TURNAROUND TIME:	FOR LAB USE ONLY
	Time: :		Time: :	<input type="checkbox"/> RUSH: _____ day	Samples Received Chilled
Relinquished By:	Date: 8-27-96	Received For Lab By:	Date: 8-28-96	turnaround	<input checked="" type="checkbox"/> Yes
Jania Turpin	Time: 17:30	J Thompson	Time: 08:45	<input type="checkbox"/> ROUTINE	<input type="checkbox"/> No

SPECIAL INSTRUCTIONS:

\* C-008-07 should be C-009-07 per Fabia 8/28/96

Copies: White - Client Canary - Lab Receiving Phil - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 09/24/96 (Revised 12/05/96) STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S EDG.  
FIELD GROUP 24493 LAB COORDINATOR Karri Derr  
*C-008-07 (see C06)*

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-008-11	<i>C-008-07</i>	C-008-12	C-009-02	C-009-03
24493	24493	24493	24493	24493
1	2	3	4	5
08/27/96	08/27/96	08/27/96	08/27/96	08/27/96
13:30	14:10	14:15	14:50	14:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	500	64	458	700	640
Moisture	%	160.3	11.3	23.7	23.6	8.7	7.7

000003

Revised 10/19/96

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 009**

Environmental Science & Engineering 09/24/96 (Revised 12/05/96) STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 S100 PROJECT NAME PARSON'S INC.  
FIELD GROUP 24493 LAB COORDINATOR Karri Derr

L-008-07 (See L-06)

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-008-11 24493	C-008-12 24493	C-009-02 24493	C-009-03 24493
1	2	3	4
08/27/96 13:30	08/27/96 14:10	08/27/96 14:35	08/27/96 14:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	500	64	<50	700	640
Moisture	%	160.3	21.3	13.7	13.6	8.7	7.7

0000003

Revised 12/05/96

Oct-30-97 12:40:14 AM

Environmental Science & Engineering 09/24/96 (Revised 12/05/96) STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S INC.  
FIELD GROUP 24493 LAB COORDINATOR Kari Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-009-01	C-009-08	C-009-06	C-009-07	C-009-04
24493	24493	24493	24493	24493
6	7	0	9	10
09/27/96	09/27/96	09/27/96	09/27/96	09/27/96
15:15	15:50	16:30	16:40	17:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	2100	720	380	680	1000
Moisture	%	160.3	9.0	12.7	13.6	14.0	10.2

000004  
Revised 12/05/96



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ -

**Due Date:**

## **Chain of Custody Record**

No 15087

Company: Parsons Engineering Science Inc.  
Address: 1301 Marina Village Pkwy, Ste 200  
Alameda, CA 94501

Phone #: 519769-0100 Fax #: 519769-9244

P.O. #: 728598, 0800

Client Contact: Mike Friedman

Project # / Location: Verdege Carter Park

**Sample Type:** Container Type:

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |
| 4. Oil    |             |
| 5. Tissue |             |

#### **Preservative:**

1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## **Analyses**

## Comments

**Relinquished By:**

Date: 9-3-96  
Time: 17:00

Received By:

Date: -

#### **TURNAROUND TIME:**

**FOR LAB USE ONLY**

RUSH: *down*

tumground

ROUTINE

Review

No

1920-21 - 1921-22

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 09/05/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24522 LAB COORDINATOR Karri Derr.

CLIENT SAMPLE ID'S:	C-009-11	C-009-12	C-009-13	C-009-14	C-009-15
ESE FIELD GROUP:	24522	24522	24522	24522	24522
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/03/96	09/03/96	09/03/96	09/03/96	09/03/96
TIME COLLECTED:	14:15	14:45	15:15	15:45	16:15

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	530E	380E	650E	<7	110E
Moisture	%	160.3	10.7	10.8	10.6	11.7	13.7

E = The reported value is estimated because of the presence of interference. The serial dilution was outside of the project control criteria.

000002



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

VERD 54

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

Nº 14658

**SPECIAL INSTRUCTIONS:**

Copies: White - Client Canary - Lab Receiving Print - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 09/24/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24578 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-010-01 C-010-03 C-010-04 C-010-05 C-010-06  
ESE FIELD GROUP: 24578 24578 24578 24578 24578  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 09/12/96 09/12/96 09/12/96 09/12/96 09/12/96  
TIME COLLECTED:

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<58	<56	370	56	<55
Moisture	%	160.3	14.3	10.4	8.0	9.6	9.4

000002



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

# Chain of Custody Record

No 14659

Company: Parsons Engineering Science  
Address: 1301 Marina Village Parkway  
Suite 300  
Alameda CA 94501  
Phone #: (510) 769 - 0100 Fax #: (510) 769 - 9244  
P.O. #: 728598  
Client Contact: Mike Friedman / Mike Cohen  
Project # / Location: Verdec Center Park - Oakland CA

**Sample Type: Container Type:**

1. Water P - Plastic
2. Soil G - Glass
3. Sludge V - VOC
4. Oil
5. Tissue

Other: \_\_\_\_\_

**Preservative:**

1. None 3. HNO3
2. H2SO4 4. NaOH

**Analyses**

Rec'd by SW 4/6/01 A

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date	Time			
C-010-12	Soil	4 oz	Glass	1	9/13/96	1300		24589-1	X
C-010-07	"	"	"	"	"	1305		24589-2	X
C-010-02	"	"	"	"	"	1314		24589-3	X
C-010-08	"	"	"	"	"	1322		24589-4	X
C-010-09	"	"	"	"	"	1325		24589-5	X
C-010-10	"	"	"	"	"	1334		24589-6	X
C-010-11	"	"	"	"	"	1347		24589-7	X
C-013-13	"	"	"	"	"	1435		24589-8	X
C-013-14	BR	"	"	"	"			24589-9	04 9-16-96
C-013-14	"	"	"	"	"	1445		24589-90	X 9-16-96
C-013-15	"	"	"	"	"	1453		24589-10	X
C-013-16	"	"	"	"	"	1459		24589-11	04 9-16-96

Relinquished By:	Date: - - -	Received By:	Date: - - -	TURNAROUND TIME:
	Time: : :		Time: : :	<input type="checkbox"/> RUSH: ____ day turnaround <input type="checkbox"/> ROUTINE
Relinquished By:	Date: 9 - 13 - 96	Received For Lab By:	Date: 9 - 16 - 96	<input type="checkbox"/> Samples Received Chilled <input checked="" type="checkbox"/> Yes yes when <input type="checkbox"/> No no when
B.M. Purdy	Time: 17 : 30	D. Z. L.	Time: 7:08	<input type="checkbox"/> No night shift

**SPECIAL INSTRUCTIONS:**

Oct-30-97 12:46PM DRAFT

Environmental Science & Engineering 09/24/96 (Revised 12/05/96) STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24493 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
EST FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-009-01	C-009-02	C-009-06	C-009-07	C-009-04
24493	24493	24493	24493	24493
6	7	8	9	10
08/27/96	08/27/96	08/27/96	08/27/96	08/27/96
15:15	15:50	16:30	16:40	17:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	1100	720	380	680	1000
Moisture	%	160.3	9.0	12.7	13.6	14.0	10.3

000009  
Rev-124



Environmental Science & Engineering 09/05/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24522 LAB COORDINATOR Karri Derr.

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-009-11	C-009-12	C-009-13	C-009-14	C-009-15
24522	24522	24522	24522	24522
1	2	3	4	5
09/03/96	09/03/96	09/03/96	09/03/96	09/03/96
14:15	14:45	15:15	15:45	16:15

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	530E	380E	650E	67	110E
Moisture	%	160.3	10.7	10.8	10.6	11.7	13.7

E = The reported value is estimated because of the presence of interference. The serial dilution was outside of the project control criteria.

000002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 010**

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24589 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:	C-010-10	C-010-11	C-013-13	C-013-14	C-013-15
ESE FIELD GROUP:	24589	24589	24589	24589	24589
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	09/13/96	09/13/96	09/13/96	09/13/96	09/13/96
TIME COLLECTED:	13:34	13:47	14:35	14:45	14:53

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	180	300	380	130	460
Moisture	%	160.3	7.7	17.4	6.0	7.5	8.3

000004

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 011**



**Environmental  
Science &  
Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ - 1

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

No 14687

Company: <u>Parsons Engineering Science, Inc.</u>		Analyses					
Address: <u>1301 Marina Village Pkwy, #200</u> <u>Alameda, CA 94501</u>		Sample Type: Container Type:					
Phone #: <u>(510) 769-0100</u> Fax #: <u>510 769-9244</u>		1. Water	P - Plastic				
P.O. #: <u>728548, 07000</u>		2. Soil	G - Glass				
Client Contact: <u>M. Cohen</u>		3. Sludge	V - VOC				
Project # / Location: <u>Verdeza Catter Park</u>		4. Oil					
		5. Tissue					
		Other: _____					
		Preservative:					
		1. None	3. HNO3				
		2. H2SO4	4. NaOH				
		Comments					
Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.
		Size	Type	No.	Date		
C-011-01	2	4 oz	G	1	10/15/96 14:40	—	24760*1 X
C-011-02				1	15:00	—	2 X
C-011-03				1	15:05	—	3 X
C-011-04				1	15:10	—	4 X
C-011-05				1	15:25	—	5 X
C-011-06				1	16:35	—	6 X
C-011-07				1	15:45	—	7 X
C-011-08				1	16:00	—	8 X
C-011-09				1	16:05	—	9 X
C-011-10		8 oz		1	16:15	✓	10 X
				11			
Relinquished By:		Date: - - -		Received By:		Date: - - -	TURNAROUND TIME:
		Time: : :				Time: : :	<input checked="" type="checkbox"/> RUSH: <u>1</u> day
Relinquished By:		Date: <u>10-15-96</u>		Received For Lab By:		Date: <u>10-16-96</u>	FOR LAB USE ONLY
<u>Jania Turpin</u>		Time: <u>16:30</u>		<u>D. Thompson</u>		Time: <u>07:20</u>	Samples Received Chilled
							<input checked="" type="checkbox"/> Yes <u>1</u>
							<input type="checkbox"/> No <u>0</u>

**SPECIAL INSTRUCTIONS:**

SDG# VERD72

Captor: White - Client: Canary - Lab Receiving: Pink - Lab File: Goldennrod - Retained by Sampler

Environmental Science & Engineering 10/18/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24760 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-011-01	C-011-02	C-011-03	C-011-04	C-011-05
ESE FIELD GROUP:	24760	24760	24760	24760	24760
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/15/96	10/15/96	10/15/96	10/15/96	10/15/96
TIME COLLECTED:	14:40	15:00	15:05	15:10	15:25

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	100	280	370	94	210
Moisture	%	160.3	11.6	12.0	11.5	15.4	9.6

000002

Environmental Science & Engineering 10/18/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24760 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-011-06	C-011-07	C-011-08	C-011-09	C-011-10
ESE FIELD GROUP:	24760	24760	24760	24760	24760
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	10/15/96	10/15/96	10/15/96	10/15/96	10/15/96
TIME COLLECTED:	15:35	15:45	16:00	16:05	16:15

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	630	410	330	150	120
Moisture	%	160.3	11.2	11.4	6.6	13.2	14.0

000003



**Environmental  
Science &  
Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

No 14688

Company: Parsons ES  
Address: 1301 Marina Village PKwy  
Alameda, CA 94501  
  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598  
Client Contact: Mike Cohen  
Project # / Location: Verdene Center Park

**Sample Type: Container Type:**

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |

- 4. Oil
- 5. Tissue

- Preservative:**  
1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

### **Analyses**

### Comments

**Relinquished By:**

Marcus L. Peirce

Date: 10-16 -96

Page 17 of 39

Received By:

Date: - -

Time: \_\_\_\_\_

#### **TURNAROUND TIME:**

RUSH:    day

### **turnaround**

TOMORROW

FOR LAB USE ONLY

Samples Received Chilled

Yes

□ No

---

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/21/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24769 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-011-11	E-010-016
ESE FIELD GROUP:	24769	24769
ESE SEQUENCE #:	6	7
DATE COLLECTED:	10/16/96	10/16/96
TIME COLLECTED:	15:40	13:00

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	120
Moisture	%	160.3	20.3
Lead, total	MG/L	6010	NRQ
			<0.50

NRQ - Analysis not requested.

000003



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 - Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

### Chain of Custody Record

No. 14679

Company: Parsons Engineering Science, Inc.  
Address: 1301 Morning Village Parkway, 2nd  
Alameda, CA 94501

Phone #: 510 769-0100 Fax #: 510 769-9244

P.O. #: 728598

Client Contact: Mike Cohen

Project # / Location: Vendesse Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue

Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

### Analyses

PB 67 Sub 018

### Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-011-17	2	4oz	G	1	10/18/96	1330	none 24783#1	X
C-026-11						1400	/	2 X
C-026-12						1415	/	3 X
C-026-13						1425	/	4 X
C-026-14						1435	/	5 X
C-026-15						1500	/	6 X
C-026-16						1505	/	7 X
C-026-17						1510	/	8 X
C-026-18						1520	/	9 X
C-026-19						1530	/	10 X
C-026-20						1540	/	11 X
C-011-18		↓	↓	↓	↓	1605	↓	12 X

Relinquished By:

Date: - - -

Received By:

Date: - - -

TURNAROUND TIME:

RUSH: 1 day

turnaround

ROUTINE

FOR LAB USE ONLY

Samples Received Chilled

Yes

No

Relinquished By:

Date: 10-18-96

Received For Lab By:

Date: 10-19-96

Time: 15:00

*J. Thompson*

Time: 11:20

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler



Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24783 LAB COORDINATOR Karri Darr

CLIENT SAMPLE ID'S:	C-011-117	C-026-11	C-026-12	C-026-13	C-026-14
ESE FIELD GROUP:	24783	24783	24783	24783	24783
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/18/96	10/18/96	10/18/96	10/18/96	10/18/96
TIME COLLECTED:	13:30	14:00	14:15	14:25	14:35

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	270	82	370	530	330
Moisture	%	160.3	14.8	13.0	12.3	11.1	11.3

00003

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1096504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24783 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-20	C-011-18	C-011-19
ESE FIELD GROUP:	24783	24783	24783
ESE SEQUENCE #:	11	12	13
DATE COLLECTED:	10/18/96	10/18/96	10/18/96
TIME COLLECTED:	15:40	16:05	16:20

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	190	230	462
Moisture	t	260.3	9.9	13.3	19.0

0005

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 012**

Environmental Science & Engineering 10/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 \$100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24824 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	E-10-25	C-012-01	C-012-02	C-012-03	C-012-04
RSE FIELD GROUP:	24824	24824	24824	24824	24824
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/25/96	10/25/96	10/25/96	10/25/96	10/25/96
TIME COLLECTED:	12:00	14:20	14:34	15:05	14:52

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	NRQ	220	78	260	<55
Moisture	%	160.3	NRQ	12.3	11.6	8.2	9.1
Lead,total	MG/L	6010	<0.50	NRQ	NRQ	NRQ	NRQ

NRQ - Analysis not requested.

00002

Environmental Science & Engineering 10/29/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24824 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-012-05 C-012-06 C-012-07 C-012-08 C-012-09  
ESE FIELD GROUP: 24824 24824 24824 24824 24824  
ESE SEQUENCE #: 6 7 8 9 10  
DATE COLLECTED: 10/25/96 10/25/96 10/25/96 10/25/96 10/25/96  
TIME COLLECTED: 15:21 15:39 15:53 16:10 16:17

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	58	<54	130	140	120
Moisture	t	160.3	7.9	8.0	9.6	9.8	8.0

NRQ - Analysis not requested.

0003

Environmental Science & Engineering 10/29/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24824 LAB COORDINATOR Katti Derr

CLIENT SAMPLE ID'S: C-012-10  
ESE FIELD GROUP: 24824  
ESE SEQUENCE #: 11  
DATE COLLECTED: 10/25/96  
TIME COLLECTED: 16:25

PARAMETERS	UNITS	METHOD
Lead	MG/KG-DRY	6010 300
Moisture	%	160.3 10.4

NRQ - Analysis not requested.

0004

Environmental Science & Engineering 10/31/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24831 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-012-11 C-012-12 C-012-13 C-012-14 C-012-15  
ESE FIELD GROUP: 24831 24831 24831 24831 24831  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 10/28/96 10/28/96 10/28/96 10/28/96 10/28/96  
TIME COLLECTED: 13:53 14:18 14:25 14:35 14:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	470	<54	<54	360	240
Moisture	%	160.3	4.5	7.8	7.6	4.7	4.3

00003

Environmental Science & Engineering 10/31/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24831 LAB COORDINATOR Karryi Derr

CLIENT SAMPLE ID'S: C-012-16 C-012-17 C-012-18 C-012-19 C-012-20  
ESE FIELD GROUP: 24831 24831 24831 24831 24831  
ESE SEQUENCE #: 6 7 8 9 10  
DATE COLLECTED: 10/28/96 10/28/96 10/28/96 10/28/96 10/28/96  
TIME COLLECTED: 15:00 15:05 15:15 15:25 15:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	200	200	457	280	110
Moisture	%	160.3	4.9	18.6	12.3	11.1	10.7

00004

Environmental Science & Engineering 10/31/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24831 LAB COORDINATOR Kari Derry

CLIENT SAMPLE ID'S:  
CSE FIELD GROUP:  
CSE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

	C-012-21 24831 11	C-012-22 24831 12	C-012-23 24831 13	C-025-18 24831 14	C-026-23 24831 15
	10/28/96 15:50	10/28/96 16:00	10/28/96 16:30	10/28/96 16:45	10/25/96 16:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	96	<55	<59	200	<59
Moisture	#	160.3	10.7	8.8	15.3	16.8	15.4

00005

10

Scie. Ac.  
1301 Marina Village Parkway, Suite 200  
Alameda, California 94501  
Phone: (510) 769-0100 Fax: (510) 769-9244

## **CHAIN OF CUSTODY RECORD**

PAGE 1 OF 1

LABORATORY:		PROJECT MANAGER:	PROJ. #:	NO. OF CONTAINERS	ANALYSIS REQUIRED												
ESE LAB		Dave Diamond	720598 07000		PRESERVED												
PROJECT NAME/LOCATION:		Vendesse Carter Park, Oakland			METHOD												
SAMPLER(S): (SIGNATURE)		Tania Turpin			SAMPLE LOC												
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION										REMARKS			
E-010-39	10/19/96	1800	Water	24844#1										1 day	BOTTLE LABELED AS: "E-010-30" ON 10/31/96		
C-012-24	10/30/96	1440	Soil	2													
C-012-25		1450		3													
C-012-26		1505		4													
C-012-27		1520		5													
C-012-28		1530		6													
C-012-29		1540		7													
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY(SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	RELINQUISHED BY(SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)				
Tania Turpin				10/30/96	1600	D. Thompson	10/31/96				0740		RUSH 1 Day				
														Send results to Mike Cohen(Fax)			

Environmental Science & Engineering 11/01/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24844 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

	E-010-29	C-012-24	C-012-25	C-012-26	C-012-27
	24844	24844	24844	24844	24844
	1	2	3	4	5
	10/29/96	10/30/96	10/30/96	10/30/96	10/30/96
	18:00	14:40	14:50	15:05	15:20

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	NRQ	630	780	150	81
Moisture	%	160.3	NRQ	24.3	11.8	18.6	16.8
Lead,total	MG/L	6010	<0.50	NRQ	NRQ	NRQ	NRQ

NRQ - Analysis not requested.

000000

Environmental Science & Engineering 11/01/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24844 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-012-28	C-012-29
ESE FIELD GROUP:	24844	24844
ESE SEQUENCE #:	6	7
DATE COLLECTED:	10/30/96	10/30/96
TIME COLLECTED:	15:30	15:40

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	66	82
Moisture	%	160.3	13.7	9.8

nC0003

ES

Engineering Services, Inc.  
 1301 Marina Village Parkway, Suite 200  
 Alameda, California 94501  
 Phone: (510) 769-0100 Fax: (510) 769-9244

# CHAIN OF CUSTODY RECORD

PAGE 2 OF 1

LABORATORY:	PROJECT MANAGER:	PROJ. #:	NO. OF CONTAINERS	ANALYSIS REQUIRED								REMARKS
				METHOD	PRESERVED	TO BE COMPOSED BY LAB	TURN AROUND TIME					
PROJECT NAME/LOCATION: <i>Verdege Carter Park</i>			<i>264 SM6G/CA</i>									
SAMPLER(S): (SIGNATURE) <i>Michael Fritchman</i> <i>Eric Stover</i>												
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION								
C-023-09	11/1/96	16:05	Soil									1 day 24857 & 14
C-023-12	"	1612	"									" 15
C-023-10	"	16:25	"									" 16
C-023-14	"	1630	"									" 17
C-023-13	"	1645	"									" 18
C-023-11	"	1655	"									" 19
C-023-30	"	17:20	"									" 20
C-023-31	"	17:25	"									" 21
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)					
<i>Michael Fritchman</i>	11/1/96	17:45										
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS:						
			<i>D. Thompson</i>	11/2/96	11:25							

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 4  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karry Darr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-023-10 C-023-14 C-023-13 C-023-11 C-012-30  
24857 24857 24857 24857 24857  
ESE SEQUENCE #: 16 17 18 19 20  
DATE COLLECTED: 11/01/96 11/01/96 11/01/96 11/01/96 11/01/96  
TIME COLLECTED: 16:25 16:30 16:45 16:55 17:20

PARAMETERS	UNITS	METHOD	C-023-10	C-023-14	C-023-13	C-023-11	C-012-30
Lead	MG/KG-DRY	6010	520	830	640	700	<58
Moisture	%	160.3	8.5	7.7	8.1	8.1	14.0

CO007

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-012-31  
ESE FIELD GROUP: 24857  
ESE SEQUENCE #: 21  
DATE COLLECTED: 11/01/96  
TIME COLLECTED: 17:25

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	.84
Moisture	%	160.3	12.0

00008

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 013**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

Company: Parsons ES  
Address: 1301 Marine Village Pkwy  
Alameda, CA 94501  
Phone #: (510) 767 - 0100 Fax #: (510) 767 - 7244  
P.O. #: \_\_\_\_\_  
Client Contact: Dave Diamond  
Project # / Location: 728598 / Oakland, CA

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	Analyses	Comments
		Size	Type	No.	Date	Time				
C-013-01	Soil	4 ounce	G	1	9/11/96	1431		24570-1	X	
C-013-02				1		1425		-2	X	
-03				1		1351		-3	X	
-04				1		1405		-4	X	
-05				1		1406		-5	X	
-06				1		1500		-6	X	
-07				1		1345		-7	X	
-08				1		1441		-8	X	
-09				1		1453		-9	X	
-10				1		1340		-10	X	
-11	*	*	▼	1	▼	1445		-11	X	
-12	↓	↓	↓	1	↓	1545		-12	X	
Relinquished By: <i>Bruce M. Riddle</i>	Date: 9 - 11 - 96 Time: 16 : 45	Received By:			Date: - - Time: :	TURNAROUND TIME: <input checked="" type="checkbox"/> RUSH: 1 day turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY Samples Received Chilled: <input checked="" type="checkbox"/> Yes 60 <input type="checkbox"/> No			
Relinquished By:	Date: - - Time: :	Received For Lab By: <i>E. Thompson</i>			Date: 9-12-96 Time: 09:30					

SPECIAL INSTRUCTIONS:

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24570 LAB COORDINATOR Kerri Darr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-013-01 C-013-02 C-013-03 C-013-04 C-013-05  
24570 24570 24570 24570 24570  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 09/11/96 09/11/96 09/11/96 09/11/96 09/11/96  
TIME COLLECTED:

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	75	160	81	420	<63
Moisture	%	160.3	8.3	6.9	9.5	18.9	20.7

000003

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24570 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-013-06 C-013-07 C-013-08 C-013-09 C-013-10  
ESE SEQUENCE #: 24570 24570 24570 24570 24570  
DATE COLLECTED: 6 7 8 9 10  
TIME COLLECTED: 09/11/96 09/11/96 09/11/96 09/11/96 09/11/96

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	540	350	170	190	560
Moisture	%	160.3	17.7	7.5	11.3	9.4	8.4

000004

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24570 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-013-11 C-013-12  
ESE FIELD GROUP: 24570 24570  
ESE SEQUENCE #: 11 12  
DATE COLLECTED: 09/11/96 09/11/96  
TIME COLLECTED:

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	<63	93
Moisture	%	160.3	20.0	12.1

000005



**Environmental  
Science &  
Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**\*FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ - \_\_\_\_\_

Due Date: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

No. 14660

Company: Parsons Engineering Science  
Address: 1301 Maring Village Parkway  
Suite 200  
Alameda CA 94501  
Phone #: (510) 764-0100 Fax #: (510) 764-9344  
P.O. #: 728598  
Client Contact: Dave Diamond / Mike Cohen  
Project # / Location: Verdene Carter Park - Oakland CA

**Sample Type:** **Container Type:**

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge     V - VOC

- 4. Oil
- 5. Tissue
- Other:

- Preservative:**

### **Analyses**

**Relinquished By:**

Date: -

**Received By:**

Date: - -

Time: : :

#### **TURNAROUND TIME:**

RUSH: \_\_\_\_\_ day

**turnaround**

## ROUTINE

Digitized by srujanika@gmail.com

Samples Preserved Chilled

**ANSWER**

1777-1778

No activity

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24589 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-010-10 C-010-11 C-013-13 C-013-14 C-013-15  
ESE SEQUENCE #: 24589 24589 24589 24589 24589  
DATE COLLECTED: 6 7 8 9 10  
TIME COLLECTED: 09/13/96 09/13/96 09/13/96 09/13/96 09/13/96  
13:34 13:47 14:35 14:45 14:53

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	180	300	380	130	460
Moisture	%	160.3	7.7	17.4	6.0	7.5	8.3

000004

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24589 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-013-16 C-013-17 C-013-18 C-013-19 C-013-20  
24589 24589 24589 24589 24589  
11 12 13 14 15  
09/13/96 09/13/96 09/13/96 09/13/96 09/13/96  
14:59 15:05 15:15 15:16 15:25

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	79	1600	490	850	830
Moisture	%	160.3	6.5	5.0	5.0	5.1	11.6

Sample areas were  
re-excavated

000005



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

SDG #VERD53

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

Nº 14661

Company: Persons Engineering Service, Inc.  
Address: 1301 Marina Village Parkway, #200  
Alameda, CA 94501

---

Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 720598.070000

---

Client Contact: M. Lohm

---

Project # / Location: Venetian Carter Park

**Sample Type: Container Type:**

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge     V - VOC

- 4. Oil
- 5. Tissue

**Other:** \_\_\_\_\_

- Preservative:**  
1. None      3.  $\text{HNO}_3$   
2.  $\text{H}_2\text{SO}_4$     4.  $\text{NaOH}$

## Analyse

Relinquished By:

Date: 9-16-96  
Time: 17:30

Received By:

Date: --

**Time:** : :

TURNAROUND TIMES

RUSH: 1 day

turnaround

**ROUTINE**

FOR LAB USE ONLY

**FOR LAB USE ONLY**  
Sample Received Shipped

Key

6

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/07/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24593 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-013-21	C-013-22
ESE FIELD GROUP:	24593	24593
ESE SEQUENCE #:	1	2
DATE COLLECTED:	09/16/96	09/16/96
TIME COLLECTED:	17:11	17:15

PARAMETERS	UNITS	METHOD		
-----	-----	-----	-----	-----
Lead	MG/KG-DRY	6010	<55	<55
Moisture	%	160.3	8.6	9.1

0002



**Environmental  
Science &  
Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

No 15089

Company: Parsons Engineering Science  
Address: 1301 Marina Village Parkway Suite 200  
Alameda CA 94501

Phone #: (510) 769 - 0100 Fax #: (510) 769 - 9244  
P.O. #: 728598

P.O. #: 728518

Client Contact: Dave Diamond / Mike Cohen  
Project # / Location: Verdese Carter Park Oakland CA

**Sample Type: Container Type:**

- 1. Water P - Plastic
  - 2. Soil G - Glass
  - 3. Sludge V - VOC

- 4. Oil
- 5. Tissue
- Other:

**Preservative:**

### **Analyses**

Distinguished By:  
Gen. B. Gough

Date: 9-18-96  
Time: 18:00

**Received By:**

Date: -- -- --

Time: : :

#### TURNAROUND TIME:

**RUSH: 1 day**

background

**BOUTIN**

**FOR LAB USE ONLY**  
Samples Received Chilled

Yes

No

**SPECIAL INSTRUCTIONS:**

SDG# VERD57

Copies: White - Client, Canary - Job Recyclers, Pink - Job File, Goldernrod - Retained by Somatos

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24614 LAB COORDINATOR Karri Darr

CLIENT SAMPLE ID'S:	C-007-02	C-007-05	C-013-23	C-013-24
ESE FIELD GROUP:	24614	24614	24614	24614
ESE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	09/18/96	09/18/96	09/18/96	09/18/96
TIME COLLECTED:	16:00	16:05	16:50	17:15

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	210	180	120	80
Moisture	%	160.3	23.1	22.5	8.8	14.8

00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 015**



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

## **Chain of Custody Record**

Nº 15081

Company: Parsons Engineering Science  
Address: 1301 Marina Village Parkway, #200  
Alameda, CA  
94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 72B540, OBXXXX  
Client Contact: Michael Cohen  
Project # / Location: Vergeze Carter Park

**Sample Type: Container Type:**

- Sample types: 1. Water      P - Plastic  
                   2. Soil      G - Glass  
                   3. Sludge      V - VOC

#### 4. Oil

## 5. Tissue

- Preservative:**

## Analyses

### Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	Pb	Tl	As	Comments
		Size	Type	No.	Date	Time			Pb	Tl	As	
C-017-03 ✓	Soil	40g	G	1	8/14/96	14:30	None	24430-1	X			
C-017-04 ✓	"	"	"	1		14:55		24430-2	X			
C-016-01 ✓	"	"	"	1		15:50		24430-3	X			
C-016-02 ✓	"	"	"	1		15:55		24430-4	X X X			
C-015-04 ✓	"	"	"	1		16:20		24430-5	X			
C-015-03 ✓	"	"	"	1		16:45		24430-6	X			
C-015-01 ✓	"	"	"	1		17:00		24430-7	X			
C-015-02 ✓	"	"	"	1		17:05		24430-8	X			
C-015-05 ✓	"	"	"	1		17:25		24430-9	X			
C-015-06 ✓	"	"	"	1	↓	17:50	✓	24430-10	X			
C-017-01	"	"	"	1	8/13/96	14:35		24430-11	X			
C-017-02	"	"	"	1	↓	14:40	✓	24430-12	X			

**Rennguished By:**

Date: 8-14-91

**Received By:**

Date: -

## **TURNAROUND TIME:**

**FOR LAB USE ONLY**  
**Samples Received Chilled**

**Bellnguished By:**

Date: \_\_\_\_\_

**Received For Lab By:**

Date: 8-15-76

**turnaround**

168

19 NOV 1961

*introduction · Retouched by Scamander*

*introduction · Retouched by Scamander*

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 08/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24430 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-017-03 C-017-04 C-016-01 C-016-02 C-015-04 C-015-03 C-015-01  
ESE FIELD GROUP: 24430 24430 24430 24430 24430 24430 24430  
ESE SEQUENCE #: 1 2 3 4 5 6 7  
DATE COLLECTED: 08/14/96 08/14/96 08/14/96 08/14/96 08/14/96 08/14/96 08/14/96  
TIME COLLECTED: 14:30 14:55 15:50 15:55 16:20 16:45 17:00

PARAMETERS	UNITS	METHOD							
Lead	MG/KG-DRY	6010	280	160	81	75	210	72	100
Moisture	%	160.3	13.0	4.8	7.2	7.0	7.8	8.2	6.8

Environmental Science & Engineering . 08/16/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24430 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-015-02 C-015-05 C-015-06 C-017-01 C-017-02  
ESE SEQUENCE #: 24430 24430 24430 24430 24430  
DATE COLLECTED: 8 9 10 11 12  
TIME COLLECTED: 08/14/96 08/14/96 08/14/96 08/13/96 08/13/96  
17:05 17:25 17:25 14:35 14:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	110	170	250	620	450
Moisture	%	160.3	6.7	7.4	15.9	0.3	9.8



**Environmental  
Science &  
Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_

**Due Date:**

## **Chain of Custody Record**

Nº 15083

Company: Parsons Engineering Science  
Address: 1301 Marina Village Pkwy, Ste 200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598, 07000

Client Contact: Dave Diamond / Mike Cohen  
Project # / Location: Verdese Carter Park

**Sample Type: Container Type:**

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge      V - VOC

- 4. Oil
- 5. Tissue
- Others:

**Other:** \_\_\_\_\_

- Preservative:**

  1. None      3.  $\text{HNO}_3$
  2.  $\text{H}_2\text{SO}_4$       4.  $\text{NaOH}$

## **Analyses**

**Relinquished By:**

Date: 8-21-96

Time: 17:20

**Received By:**

Date: -

Time: : :

#### **TURNAROUND TIME:**

RUSH: \_\_\_\_\_ day

turnaround

ROUTINE

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**• FOR LAB USE ONLY**

### Samples Received, Chancery

Yes

10

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***SPECIAL INSTRUCTIONS:***

Environmental Science & Engineering 08/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24470 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:	C-028-02	C-015-07	C-028-01
ESE FIELD GROUP:	24470	24470	24470
ESE SEQUENCE #:	1	2	3
DATE COLLECTED:	08/21/96	08/21/96	08/21/96
TIME COLLECTED:	15:05	16:05	17:00

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	110	180	120
Moisture	%	160.3	9.8	3.3	9.2



Environmental Science & Engineering 10/24/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24484 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-015-08 C-015-09 C-015-10 C-015-11 C-028-05  
24484 24484 24484 24484 24484  
1 2 3 4 5  
08/23/96 08/23/96 08/23/96 08/23/96 08/23/96  
14:25 14:45 15:05 15:20 16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	200E	200E	150E	290E	
Moisture	%	160.3	7.9	3.9	7.9	7.1	9.2

Sample  
green  
was  
re-excavated

000002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 016**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

FOR LAB USE ONLY  
Project Number: \_\_\_\_\_  
Due Date: \_\_\_\_\_

# Chain of Custody Record

No 15081

Company: Parsons Engineering Science  
Address: 1301 Marina Village Parkway, #200  
Alameda, CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 72B550, OB0000  
Client Contact: Michael Cohen  
Project # / Location: VerdeSe Century Park

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue

Other: \_\_\_\_\_  
Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

## Analyses

Pl by SW6010  
MS/M5D  
Laboratory DPL

Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	
		Size	Type	No.	Date			
C-017-03 ✓	Soil	4oz	G	1	8/13/96	14:30	None	24430-1 X
C-017-04 ✓	"	"	"	1		14:55		24430-2 X
C-016-01 ✓	"	"	"	1		15:50		24430-3 X
C-016-02 ✓	"	"	"	1		15:55		24430-4 X X X
C-016-04 ✓	"	"	"	1		16:20		24430-5 X
C-015-03 ✓	"	"	"	1		16:45		24430-6 X
C-015-01 ✓	"	"	"	1		17:00		24430-7 X
C-015-02 ✓	"	"	"	1		17:05		24430-8 X
C-015-05 ✓	"	"	"	1		17:25		24430-9 X
C-015-06 ✓	"	"	"	1	↓	17:50	✓	24430-10 X
C-017-01	4	in	11	1	8/13/96	14:35		24430-11 X
C-017-02	"	"	"	1	↓	14:40	↓	24430-12 X

Relinquished By: _____	Date: 8-14-96	Received By: _____	Date: - - -	TURNAROUND TIME:	FOR LAB USE ONLY
<i>Micheal Cohen</i>	Time: 18:00		Time: :	<input checked="" type="checkbox"/> RUSH: 1 day	Samples Received Chilled
Relinquished By: _____	Date: - - -	Received For Lab By: _____	Date: 8-15-96	turnaround	<input type="checkbox"/> Yes
	Time: :	<i>D. Thompson</i>	Time: 07:40	<input type="checkbox"/> ROUTINE	<input type="checkbox"/> No

SPECIAL INSTRUCTIONS:

Environmental Science & Engineering 08/16/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24430 LAB COORDINATOR Karrí Derr

## CLIENT SAMPLE ID'S:

C-017-03	C-017-04	C-016-01	C-016-02	C-015-04	C-015-03	C-015-01
24430	24430	24430	24430	24430	24430	24430
1	2	3	4	5	6	7
08/14/96	08/14/96	08/14/96	08/14/96	08/14/96	08/14/96	08/14/96
14:30	14:55	15:50	15:55	16:20	16:45	17:00

ESE FIELD GROUP:

ESE SEQUENCE #:

DATE COLLECTED:

TIME COLLECTED:

## PARAMETERS

## UNITS

## METHOD

Lead	MG/KG-DRY	6010	280	160	81	75	210	72	100
Moisture	%	160.3	13.0	4.8	7.2	7.0	7.8	8.2	6.8



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

№ 15079

Company: Parsons Engineering Science  
Address: 1301 Marina Village Pkwy. #200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244

P.O. #: \_\_\_\_\_

Client Contact: Mike Cochran

Project # / Location: 728598.08000

**Sample Type:** **Container Type:**

- 1. Water
  - 2. Soil
  - 3. Sludge

P - Plastic  
G - Glass  
V - VOC

#### **4 Oil**

## 5. Tissue

- Other : \_\_\_\_\_  
**Preservative:**  
1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

### **Analyses**

Gloss  
VOC  
03  
H  
Lead by SW 6010

## Comments

Relinquished By:

Date: 8-16 -96  
Time: 15 : 45

**Received By:**

Date: -

Time: : :

#### TURNAROUND TIME:

RUSH: \_\_\_\_\_ day

turnaround

**ROUTINE**

**FOR LAB USE ONLY**  
Samples Received Chilled

□ Vox 1995

100  
100

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**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 08/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24449 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-017-05 24449 C-016-03 24449 C-016-03UN 24449 C-016-04 24449  
ESE SEQUENCE #: 1 1 UN 2 2 UN 3  
DATE COLLECTED: 08/15/96 08/15/96 08/16/96 08/16/96 08/16/96  
TIME COLLECTED: 15:00 15:00 14:40 14:40 15:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	90	90	380	380	530
Moisture	%	160.3	5.0	NA	5.4	NA	7.6

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 017**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

# Chain of Custody Record

No 15081

Company: Parsons Engineering Science  
Address: 1301 Marina Village Parkway, #200  
Alameda, CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 72B550, OB000  
Client Contact: Michael Cohen  
Project # / Location: Verdicte Center Park

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

Analyses

Pb by SW6010  
MS/MSD Laboratory DP

Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	
		Size	Type	No.	Date	Time			
C-017-03 ✓	Soil	4oz	G	1	8/13/96	14:30	None	24430-1	K
C-017-04 ✓	"	"	A	1		14:55		24430-2	X
C-016-01 ✓	"	"	"	1		15:50		24430-3	X
C-016-02 ✓	"	"	"	1		15:55		24430-4	X X K
C-016-04 ✓	"	"	"	1		16:20		24430-5	X
C-015-03 ✓	"	"	"	1		16:45		24430-6	X
C-015-01 ✓	"	"	"	1		17:00		24430-7	X
C-015-02 ✓	"	"	"	1		17:05		24430-8	X
C-015-05 ✓	"	"	"	1		17:25		24430-9	X
C-015-06 ✓	"	"	"	1		17:50		24430-10	X
C-017-01	"	"	"	1	8/13/96	14:39		24430-11	K
C-017-02	"	"	"	1		14:40		24430-12	X

Relinquished By: \_\_\_\_\_

*Marilyn A. M. M.*

Date: 8-14-96

Time: 18:00

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

TURNAROUND TIME:

RUSH: 1 day

turnaround

ROUTINE

Relinquished By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received For Lab By: \_\_\_\_\_

Date: 8-15-96

Time: 07:40

FOR LAB USE ONLY  
Sampled Received Chilled

Yes

No

O

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 08/16/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24430 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-015-02	C-015-05	C-015-06	C-017-01	C-017-02
24430	24430	24430	24430	24430
8	9	10	11	12
08/14/96	08/14/96	08/14/96	08/13/96	08/13/96
17:05	17:25	17:25	14:35	14:40

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	110	170	250	620
Moisture	%	160.3	6.7	7.4	15.9	0.3

Sample  
area  
was  
re-excavated



Environmental Science & Engineering 08/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24449 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-017-05	C-017-05UN	C-016-03	C-016-03UN	C-016-04
24449	24449	24449	24449	24449
-1	1 UN	2	2 UN	3
08/15/96	08/15/96	08/16/96	08/16/96	08/16/96
15:00	15:00	14:40	14:40	15:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	90	90	380	380	530
Moisture	%	160.3	5.0	NA	5.4	NA	7.6



# **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

No 15080

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Pkwy, Suite 200  
Alameda, CA 94501

---

Phone #: (510) 769-0100 Fax #: (510) 769-9244

P.O. #: 728598, 07000

Client Contact: ~~Mike Freedman~~ Dave Diamond /  
Mike Cohen

Project # / Location: Verdesse Carter Park

**Sample Type:** Container Type:

1. Water      P - Plastic  
2. Soil          G - Glass  
3. Sludge        V - VOC

#### 4. Oil

## 5. Tissue

- Other :** \_\_\_\_\_  
**Preservative:**  
1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## Analyses

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### **Comments**

Relinquished By:

Date: 8-19 -96

Time: 17:50

**Received By:**

Date: -

**Time:** : :

#### **TURNAROUND TIME:**

RUSH: 24 hr.  
day

turnaround

ROUTINE

**FOR LAB USE ONLY**  
Samples Received Chilled

Yes

No.

**SPECIAL INSTRUCTIONS:**

*Cowles - White - Canna, Canary - Lab Receiving, Pink - Lab File, Goldenrod - Retained by Somerton*

Environmental Science & Engineering 08/22/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING SCIENCE, INC.  
FIELD GROUP 24451 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:

ESE FIELD GROUP:

ESE SEQUENCE #:

DATE COLLECTED:

TIME COLLECTED:

C-017-06	C-008-02	C-008-01	C-008-05	C-008-03
24451	24451	24451	24451	24451
1	2	3	4	5
08/19/96	08/19/96	08/19/96	08/19/96	08/19/96
12:00	14:10	14:30	14:55	15:50

PARAMETERS

UNITS

METHOD

Lead	MG/KG-DRY	6010	89	52	43	87	41
Moisture	%	160.3	11.6	6.5	6.3	8.2	6.2

200004

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 019**





Environmental Science & Engineering 10/01/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24544 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-028-06 C-028-07 C-019-05 C-019-01 C-019-02  
ESE FIELD GROUP: 24544 24544 24544 24544 24544  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 09/05/96 09/05/96 09/05/96 09/05/96 09/05/96  
TIME COLLECTED: 15:00 15:15 15:55 16:10 16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	220E	190E	76E	<57E	<58E
Moisture	%	160.3	5.9	5.7	21.3	11.5	13.4

000003

Environmental Science & Engineering 10/01/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24544 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-019-03 C-019-04 C-019-08 C-019-09 C-019-22  
ESE SEQUENCE #: 24544 24544 24544 24544 24544  
DATE COLLECTED: 6 7 8 9 10  
TIME COLLECTED: 09/05/96 09/05/96 09/05/96 09/05/96 09/06/96  
16:35 16:40 17:55 17:55 16:09

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	92E	120E	170E	<57E	<56E
Moisture	%	160.3	13.7	13.6	9.4	12.5	10.4

000004

Environmental Science & Engineering 09/13/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24514 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-019-12	C-019-13	D-007-09	D-007-10
ESE FIELD GROUP:	24514	24514	24514	24514
ESE SEQUENCE #:	1	2	3	4
DATE COLLECTED:	08/30/96	08/30/96	08/30/96	08/30/96
TIME COLLECTED:	14:00	14:30	16:45	17:00

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	120	140	390	310
Moisture	%	160.3	10.5	10.2	15.5	13.9

000002



Environmental Science & Engineering 09/25/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24531A LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

	C-019-18 24531A 1	C-019-19 24531A 2	C-019-20 24531A 3	C-019-21 24531A 4	D-007-12 24531A 5
	09/04/96	09/04/96	09/04/96	09/04/96	09/04/96

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	66	<58	150	<62	250
Moisture	%	160.3	10.4	14.3	9.4	18.9	22.7

000002



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number:

Due Date:

### Chain of Custody Record

No. 15094

Company: Persons Engineering Services Inc.  
Address: 1301 Marina Village Pkwy, 2nd floor  
Alameda CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728518, 080000  
Client Contact: M. Cohen / D. Pinmond  
Project # / Location: Verdeless Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

### Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Analyses										Comments			
		Size	Type	No.	Date			C6		Metals		Sulfide		pH		Total		Pb, Cu, Zn		Ni, Cd, Sc, As	
C-019-10	Soil	4 oz	G	1	Blanks	14:15	24507-1	X													
C-019-07	11	1	1	1		14:35		-2	X												
C-019-15				1		15:45		-3	X	X	X										
C-019-11				1		15:55		-4	X	X	X										
C-019-17				1		16:10		-5	X	X	X										
C-019-14				1		16:30		-6	X	X	X										
C-019-16				1		16:45		-7	X	X	X										
C-019-18				1		17:00		-8	X	X	X										Hold for Report
C-019-19				1		17:10		-9	X	X	X										" " "
C-019-20				1		17:15		-10	X	X	X										" " "
C-019-21				1		17:35		-11	X	X	X										" " "
C-019-22		✓	✓	✓	✓	17:38		-12	X	X	X										" " "

Relinquished By:

Mark H. Taylor

Date: - - -

Time: : :

Received By:

Date: - - -

Time: : :

TURNAROUND TIME:

RUSH: / day

turnaround

ROUTINE

FOR LAB USE ONLY

Samples Received Unfilled

Yes  No

Yes  No

Yes  No

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenerod - Retained by Sampler

Environmental Science & Engineering 09/19/96 STATUS :FINAL PAGE 1  
 PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
 FIELD GROUP 24507 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
 ESE FIELD GROUP:  
 ESE SEQUENCE #:  
 DATE COLLECTED:  
 TIME COLLECTED:

C-019-10	C-019-07	C-019-15	C-019-11	C-019-17
24507	24507	24507	24507	24507
1	2	3	4	5
08/29/96	08/29/96	08/29/96	08/29/96	08/29/96
14:15	14:35	15:45	15:55	16:10

PARAMETERS	UNITS	METHOD					
Antimony	MG/KG-DRY	6010	NRQ	NRQ	<5.6	5.7	<5.6
Arsenic	MG/KG-DRY	6010	NRQ	NRQ	<5.6	<5.7	<5.6
Cadmium	MG/KG-DRY	6010	NRQ	NRQ	<0.6	<0.6	<0.6
Lead	MG/KG-DRY	6010	370E	76E	<56E	<57E	<56E
Nickel	MG/KG-DRY	6010	NRQ	NRQ	39	45	35
Selenium	MG/KG-DRY	6010	NRQ	NRQ	<8.4	<8.5	<8.4
Tin	MG/KG-DRY	6010	NRQ	NRQ	<11	<11	<11
Moisture	%	160.3	6.6	14.4	11.0	11.7	11.1
Sulfate	MG/KG-DRY	9038	NRQ	NRQ	<56	62	87
pH	STD. UNITS	9045	NRQ	NRQ	6.13	7.44	6.73

NRQ - Analysis not requested.

000004

Environmental Science & Engineering 09/19/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24507 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-019-14	C-019-16
ESE FIELD GROUP:	24507	24507
ESE SEQUENCE #:	6	7
DATE COLLECTED:	08/29/96	08/29/96
TIME COLLECTED:	16:30	16:45

PARAMETERS	UNITS	METHOD		
Antimony	MG/KG-DRY	6010	<5.5	<5.6
Arsenic	MG/KG-DRY	6010	<5.5	<5.6
Cadmium	MG/KG-DRY	6010	<0.6	<0.6
Lead	MG/KG-DRY	6010	<55E	<56E
Nickel	MG/KG-DRY	6010	45	43
Selenium	MG/KG-DRY	6010	<8.3	<8.4
Tin	MG/KG-DRY	6010	<11	<11
Moisture	%	160.3	9.8	10.5
Sulfate	MG/KG-DRY	9038	<55	60
pH	STD. UNITS	9045	5.80	7.06

000005



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road .. Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 .. Fax: (309) 692-5232**

FOR LAB USE ONLY

Project Number: \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

No 15086

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway #200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598.08000

Client Contact: David Diamond / Mike Cohen

Project # / Location: Verdeze Carter Park

**Sample Type:** Container Type:

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge      V - VOC  
 4. Oil  
 5. Tissue  
 Other :

#### **Preservative:**

1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

### **Analyses**

## **Comments**

Relinquished By:

Date: 8-28-96  
Time: 16:20

**Received By:**

Date: --

Time: :

#### TURNAROUND TIME:

RUSH: \_\_\_\_\_ day

tumaround

## ROUTINE

**FOR LAB USE ONLY**  
Samples Received Chilled

Yes

11

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**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 09/24/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24501 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-028-08	C-009-05	C-009-09	C-009-10	C-019-26
ESE FIELD GROUP:	24501	24501	24501	24501	24501
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	08/28/96	08/28/96	08/28/96	08/28/96	08/28/96
TIME COLLECTED:	14:00	14:20	14:35	14:50	15:30

PARAMETERS	UNITS	METHOD				
Lead	MG/KG-DRY	6010	670	1500	350	2000
Moisture	%	160.3	7.9	11.8	16.1	21.7

00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 021**



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

Nº 15098

Company: Parsons Engineering Sciences Inc. Address: 1301 Marina Village Pkwy, #200 Alameda, CA 94501						Analyses					
						Sample Type: Container Type:					
						1. Water	P - Plastic				
						2. Soil	G - Glass				
						3. Sludge	V - VOC				
						4. Oil					
						5. Tissue					
						Other:					
						Preservative:					
						1. None	3. HNO3				
						2. H2SO4	4. NaOH				
						PbD SW6010A Type 1 Ex-RTF lead					
						Comments					
Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.				
		Size	Type	No.	Date			Time			
C-021-01	Soil	4 oz	glass	1	8/6/96	12:50	None	24401-1	K		
C-021-02	Soil	"	"	1	"	13:20	"	24401-2	K		
C-021-03	"	"	"	1	"	13:35	"	24401-3	K		
C-021-04	"	"	"	1	8/7/96	16:20	"	24401-4	K		
C-021-05	"	"	"	1	"	16:35	"	24401-5	K		
C-021-06	"	"	"	1	"	17:10	"	24401-6	K		
C-021-07	"	"	"	1	"	17:25	"	24401-7	K		
C-021-08	"	"	"	1	"	17:40	"	24401-8	K		
C-021-09	"	"	"	1	"	17:55	"	24401-9	K		
Relinquished By: <i>Mandy P. Marin</i>		Date: 8-08-96 Time: 18:00		Received By:		Date: -- -- Time: : :		TURNAROUND TIME: <input checked="" type="checkbox"/> RUSH: 1 day 24 hr turnaround		FOR LAB USE ONLY Samples Received Chilled	
Relinquished By: <i>Jeffrey S. Strait</i> <i>Quartermaster</i>		Date: 8-08-96 Time: 13:15		Received For Lab By: <i>J. Woodin</i>		Date: 8-8-96 Time: 10:30		<input type="checkbox"/> Yes <input type="checkbox"/> No		16 °C	

**SPECIAL INSTRUCTIONS:** Samples shipped to Quantzetta - NC, OH.

Aliquots removed for Pb & TS analysis per Parsons CS instructions. 8/20/96

Received For \_\_\_\_\_

4-9-96

Copies: White - Client | Canary - Lab Receiving | Pink - Lab File | Goldenrod - Retained by Sampler

Yes

16°C

Yes  No 16 °C

*...and the world was created.*



## Environmental Science & Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ - \_\_\_\_\_

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

Nº 15097

Company: Parson ES  
Address: 1301 Marconi Voltage Parkway, #20  
Alameda CA 94501  
  
Phone #: (510) 769 - 6100 Fax #: (510) 769 - 9244  
P.O. #: 728518.06000  
Client Contact: Michael Cohen / Michael Friedman  
Project # / Location: VCP

**Sample Type:** **Container Type:**

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |

- 4. Oil
- 5. Tissue
- Other:

- Preservative:**

### **Analyses**

## Comments

Relinquished By:

Date: 8-8-96  
Time: 17:01

Received By:

Date: -- -

**Time:** : :

#### TURNAROUND TIME

RUSH:  day

turnaround

ROUTINE

FOR LAB USE ONLY

**Samples Received Chilled**

Yes

No:

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 08/12/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ES/ALLIED SIGNAL  
FIELD GROUP 24401 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
SE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-021-01	C-021-02	C-021-03	C-021-04	C-021-05	C-021-06	C-021-07
24401	24401	24401	24401	24401	24401	24401
1	2	3	4	5	6	7
08/06/96	08/06/96	08/06/96	08/07/96	08/07/96	08/07/96	08/07/96
12:50	13:20	13:35	16:20	16:35	17:10	17:25

PARAMETERS	UNITS	METHOD							
Lead	MG/KG-DRY	6010	<54	140	120	500	140	140	130
Moisture	%	160.3	7.3	10.0	9.9	0.4	7.4	6.8	12.8

Environmental Science & Engineering 08/12/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ES/ALLIED SIGNAL  
FIELD GROUP 24401 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:

C-021-08 C-021-09 C-021-10 C-021-11 C-022-01 C-022-02 C-022-03

ESE FIELD GROUP:

24401 24401 24401 24401 24401 24401 24401

ESE SEQUENCE #:

8 9 10 11 12 13 14

DATE COLLECTED:

08/07/96 08/07/96 08/08/96 08/08/96 08/08/96 08/08/96 08/08/96

TIME COLLECTED:

17:40 17:55 15:10 15:15 15:50 16:10 16:45

PARAMETERS

UNITS METHOD

Lead

MG/KG-DRY

6010

81

83

140

150

110

95

370

pisture

%

160.3

8.3

9.9

5.9

6.0

4.6

5.9

8.4

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 022**



Environmental Science & Engineering 08/12/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ES/ALLIED SIGNAL  
FIELD GROUP 24401 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-021-08 C-021-09 C-021-10 C-021-11 C-022-01 C-022-02 C-022-03  
ESE FIELD GROUP: 24401 24401 24401 24401 24401 24401 24401  
ESE SEQUENCE #: 8 9 10 11 12 13 14  
DATE COLLECTED: 08/07/96 08/07/96 08/08/96 08/08/96 08/08/96 08/08/96 08/08/96  
TIME COLLECTED: 17:40 17:55 15:10 15:15 15:50 16:10 16:45

PARAMETERS	UNITS	METHOD							
Lead	MG/KG-DRY	6010	81	83	140	150	110	95	370
Moisture	%	160.3	8.3	9.9	5.9	6.0	4.6	5.9	8.4

Environmental Science & Engineering 08/12/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ES/ALLIED SIGNAL  
FIELD GROUP 24401 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-022-04
ESE FIELD GROUP:	24401
ESE SEQUENCE #:	15
DATE COLLECTED:	08/08/96
TIME COLLECTED:	16:50

PARAMETERS	UNITS	METHOD
Lead	MG/KG-DRY	6010 320
Moisture	%	160.3 8.4



Environmental Science & Engineering 08/27/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ES/ALLIED SIGNAL  
FIELD GROUP 24416 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-022-05	C-022-06	C-022-07
ESE FIELD GROUP:	24416	24416	24416
ESE SEQUENCE #:	1	2	3
DATE COLLECTED:	08/12/96	08/12/96	08/12/96
TIME COLLECTED:	15:30	15:00	15:15

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	110	180	440
Moisture	%	160.3	13.4	5.6	11.3

-00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 023**

## CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

LABORATORY: <i>ESI Laboratory</i>	PROJECT MANAGER: <i>D. Diamond</i>	PROJ. #: <i>72859B 08/00</i>	NO. OF CONTAINERS METHOD <i>Pb by SN/Co/ICP</i> PRESERVED	ANALYSIS REQUIRED								
PROJECT NAME/LOCATION: <i>Verdeuse Carter Park</i>												
SAMPLER(S): (SIGNATURE) <i>Angela N. Koenig</i> <i>Eric Stors:</i> <i>Michael H. Friedman!</i> <i>L.G. J.</i>												
SAMPLE ID	DATE	TIME		MATRIX	SAMPLE LOCATION							REMARKS
C-023-03	11/1/96	1355		Soil								1 day 24857 w/
C-023-04	"	1405		"								" 2
C-023-01	"	1420		"								" 3
C-023-02	"	1420		"								" 4
C-023-04	"	14:40		"								" 5
C-023-06	"	14:45		"								" 6
C-023-19	"	1450	"								" 7	
C-023-07	"	15:05	"								" 8	
C-023-18	"	1507	"								" 9	
C-023-08	"	15120	"								" 10	
C-023-15	"	1525	"								" 11	
C-023-16	"	1545	"								" 12	
C-023-17	"	1555	"								" 13	
RELINQUISHED BY: (SIGNATURE) <i>Michael H. Friedman</i>	DATE 11/1/96	TIME 17145	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>J. Thompson</i>	DATE 11/2/96	TIME 11:25	REMARKS:						

ES

**Engineering-Science, Inc.**  
1301 Marina Village Parkway, Suite 200  
Alameda, California 94501  
Phone: (510) 769-0100 Fax: (510) 769-9244

## **CHAIN OF CUSTODY RECORD**

PAGE 2 OF 2

LABORATORY: ESPE Laboratory	PROJECT MANAGER: D. Diermeier	PROJ. #: T28598- 080005	NO. OF CONTAINERS PRESERVED METHOD PELLET SK6010A	ANALYSIS REQUIRED						
PROJECT NAME/LOCATION: Verdege Carter Park						TO BE COMPOSED BY LAB		TURN AROUND TIME		
SAMPLER(S): (SIGNATURE) Eric Storrs Michael Friedman										
SAMPLE ID	DATE	TIME		MATRIX	SAMPLE LOCATION					
C-023-09	11/1/96	16:05		Soil	1 x					1 day 24857 & 14
C-023-12	"	1612		"	1 x					" 15
C-023-10	"	16:25		"	1 x					" 16
C-023-14	"	1630		"	1 x					" 17
C-023-13	"	1645	"	1 x					" 18	
C-023-11	"	1655	"	1 x					" 19	
C-023-30	"	17:20	"	1 x					" 20	
C-023-31	"	17:25	"	1 x					" 21	
REMARKS										
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)
Michael Friedman		11/1/96	17145							
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS:			
				D. Thompson	11/2/96	11:25				

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-023-03 C-023-04 C-023-01 C-023-02 C-023-05  
ESE FIELD GROUP: 24857 24857 24857 24857 24857  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 11/01/96 11/01/96 11/01/96 11/01/96 11/01/96  
TIME COLLECTED: 13:55 14:05 14:20 14:20 14:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	220	490	220	200	55
Moisture	%	160.3	11.9	10	10.3	10.6	9.2

0004

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 3100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
BSB FIELD GROUP:  
BSB SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

PARAMETERS	UNITS	METHOD
Lead	MG/KG-DRY	601
Moisture	%	160.

C-023-06	C-023-19	C-023-07	C-023-18	C-023-08
24857	24857	24857	24857	24857
6	7	8	9	10
11/01/96	11/01/96	11/01/96	11/01/96	11/01/96
14:45	14:50	15:05	15:07	15:20
<55	480	780	360	840
9.8	13.0	9.5	8.4	15.1

Sample areas were  
re-excavated

0005

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

PARAMETERS	UNITS	METHOD
Lead	MG/KG-DRY	6010
Moisture	%	160.3

C-023-15	C-023-16	C-023-17	C-023-09	C-023-12
24857 11 11/01/96 15:25	24857 12 11/01/96 15:45	24857 13 11/01/96 15:55	24857 14 11/01/96 16:05	24857 15 11/01/96 16:12
500	550	730	510	520
11.8	10.5	10.9	10.9	8.2

Sample areas were  
re-excavated

0006

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 4  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24857 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:

ESE FIELD GROUP:

ESE SEQUENCE #:

DATE COLLECTED:

TIME COLLECTED:

C-023-10	C-023-14	C-023-13	C-023-11	C-012-30
24857	24857	24857	24857	24857
16	17	18	19	20
11/01/96	11/01/96	11/01/96	11/01/96	11/01/96
16:25	16:30	16:45	16:55	17:20

PARAMETERS

UNITS

METHOD

Lead	MG/KG-DRY	6010	520	830	640	700	<58
Moisture	%	160.3	8.5	7.7	8.1	8.1	14.0

Sample  
area  
was  
re-excavated

(0007

**ES**

Engineering-Science, Inc.  
 1301 Marina Village Parkway, Suite 200  
 Alameda, California 94501  
 Phone: (510) 769-0100 Fax: (510) 769-9244

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

LABORATORY: ESE LAB	PROJECT MANAGER: Dave Diamond	PROJ. #: 728598 .07000	NO. OF CONTAINERS <i>SW 6010a</i>	ANALYSIS REQUIRED													
PROJECT NAME/LOCATION: VCP - Oakland		METHOD PRESERVED															
SAMPLER(S): (SIGNATURE) <i>Tamie Tengzij</i>		TO BE COMPOSED BY LAB TURNAROUND TIME										REMARKS					
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION													
C-023-20	11/4/96	1355	S-OI	24860-# 1		1	X										1 day
C-023-21		1405		2		1	X										)
C-023-22		1415		3			X										
C-023-23		1420		4			X										
C-023-24		1430		5			X										
C-023-25		1440		6			X										
C-023-26		1445		7			X										
C-023-27		1455		8			X										
C-023-28		1500		9			X										
C-023-29		1510		10			X										
C-023-30		1525		11			X										
C-023-31		1535		12			X										
C-023-32	↓	1543	↓	13		↓	X										↓
RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)		RELINQUISHED BY (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)					
<i>Tamie Tengzij</i>			11/4/96	1715	<i>E. Thompson</i>		<i>J. Thompson</i>			11/5/96	07:45	RUSH 1 Day					
RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)		REMARKS:										

ES

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# CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

LABORATORY:		PROJECT MANAGER:		PROJ. #:	NO. OF CONTAINERS	ANALYSIS REQUIRED										REMARKS							
ESE LAB		Dave Diamond		728578 07000																			
PROJECT NAME/LOCATION:												METHOD SUBLOG	PRESERVED	TO BE COMPOZITED BY LAB	TURN AROUND TIME								
VCP - Oakland																							
SAMPLER(S): (SIGNATURE)												<i>Tamir Tupper</i>											
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION		NO. OF CONTAINERS	METHOD SUBLOG	PRESERVED	ANALYSIS REQUIRED										REMARKS				
C-023-33	11/4/96	1554	Soil	24860*44																1 day			
C-023-34		1605		15		1	+											1					
C-023-35		1608		16		1	+																
C-023-36		1613		17		1	+																
C-023-37		1625		18		1	+																
C-023-38		1625		19		1	+																
C-023-39		1645		20		1	+																
C-023-40		1650		21		1	+																
E-011-04	N	1300	H <sub>2</sub> O	Preservative HNO <sub>3</sub>		1	L																
RELINQUISHED BY: (SIGNATURE)				DATE	TIME	RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)											
<i>Tamir Tupper</i>				11/4/96	1715	<i>D. Thompson</i>		<i>J. Thompson</i>		11/5/96	07:45	REMARKS: RUSH 1 Day											

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S: C-023-20 C-023-21 C-023-22 C-023-23 C-023-24  
ESE FIELD GROUP: 24860 24860 24860 24860 24860  
ESE SEQUENCE #: 1 2 3 4 5  
DATE COLLECTED: 11/04/96 11/04/96 11/04/96 11/04/96 11/04/96  
TIME COLLECTED: 13:55 14:05 14:15 14:20 14:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	76	200	456	450	230
Moisture	%	160.3	14.0	14.6	11.2	15.0	15.4

NRQ - Analysis not requested.

000004

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP:  
ESE SEQUENCE #:  
DATE COLLECTED:  
TIME COLLECTED:

C-023-25 C-023-26 C-023-27 C-023-28 C-023-29  
24860 24860 24860 24860 24860  
6 7 8 9 10  
11/04/96 11/04/96 11/04/96 11/04/96 11/04/96  
14:40 14:45 14:55 15:00 15:10

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	2500	230	c57	c56	360
Moisture	%	160.3	16.4	17.1	11.8	11.0	14.8

Sample  
areas were  
re-excavated

NRQ - Analysis not requested.

000005

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-023-30	C-023-31	C-023-32	C-023-33	C-023-34
BSE FIELD GROUP:	24860	24860	24860	24860	24860
ESE SEQUENCE #:	11	12	13	14	15
DATE COLLECTED:	11/04/96	11/04/96	11/04/96	11/04/96	11/04/96
TIME COLLECTED:	15:25	15:35	15:43	15:54	16:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<57	420	270	540	540
Moisture	%	160.3	12.7	13.9	24.1	9.7	9.1

NRQ - Analysis not requested.

000006

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 4  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-023-35	C-023-36	C-023-37	C-023-38	C-023-39
ESE FIELD GROUP:	24860	24860	24860	24860	24860
ESE SEQUENCE #:	16	17	18	19	20
DATE COLLECTED:	11/04/96	11/04/96	11/04/96	11/04/96	11/04/96
TIME COLLECTED:	16:08	16:13	16:25	16:25	16:45

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	270	590	560	<58	<58
Moisture	%	160.3	15.8	10.4	14.0	13.2	14.2

NRQ - Analysis not requested.

000007

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 5  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-023-40	E-011-04
ESE FIELD GROUP:	24860	24860
ESE SEQUENCE #:	21	22
DATE COLLECTED:	11/04/96	11/04/96
TIME COLLECTED:	16:50	13:00

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	<58
Moisture	%	160.3	13.4
Lead,total	MG/L	6010	NRQ
			<0.50

NRQ - Analysis not requested.

000008



Eng. S., Inc.  
1301 Marina Village Parkway, Suite 200  
Alameda, California 94501  
Phone: (510) 769-0100 Fax: (510) 769-9244

# CHAIN OF CUSTODY RECORD

PAGE    OF   

LABORATORY: <i>ES&amp;E Laboratory</i>	PROJECT MANAGER: <i>D. Diamond</i>	PROJ. #: <i>718598 08000</i>	NO. OF CONTAINERS	ANALYSIS REQUIRED								REMARKS				
PROJECT NAME/LOCATION: <i>Verdeuse Carter Park</i>				METHOD <i>Pb &amp; SW6010A</i>	PRESERVED									TO BE COMPOSED BY LAB	TURN AROUND TIME	
SAMPLER(S): (SIGNATURE) <i>Michael F. Thompson mfp Steven Quayle: S. Quayle B. Gueff</i>																
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION												
C-023-41	11/5/96	1445	Soil									1	X	1 day or 24868*1		
C-023-42		15:00										1	X	2		
C-023-43		15:10										1	X	3		
C-023-44		15:25										1	X	4		
C-023-45		15:40										1	X	5		
C-023-46		15:45										1	X	6		
C-023-47	↓	16:02	↓									1	X	7		
RELINQUISHED BY: (SIGNATURE) <i>S. Quayle</i>	DATE 11/5/96	TIME 1615	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY (SIGNATURE)								DATE	TIME	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE) -	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>D. Diamond</i>	DATE 11/6/96	TIME 07:35	REMARKS:										



# **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

VERD 54

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

Nº 14658

**SPECIAL INSTRUCTIONS:**

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 5  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENGINEERING  
FIELD GROUP 24860 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-023-40	E-011-04
ESE FIELD GROUP:	24860	24860
ESE SEQUENCE #:	21	22
DATE COLLECTED:	11/04/96	11/04/96
TIME COLLECTED:	16:50	13:00

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	<58	NRQ
Moisture	%	160.3	13.4	NRQ
Lead, total	MG/L	6010	NRQ	<0.50

NRQ - Analysis not requested.

00008

## **CHAIN OF CUSTODY RECORD**

**RELINQUISHED BY: (SIGNATURE)** **DATE** **TIME** **RECEIVED BY: (SIGNATURE)** **RELINQUISHED BY(SIGNATURE)** **DATE** **TIME** **RECEIVED BY: (SIGNATURE)**

<i>John B. Fug</i>	16-5-96	1615				
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS:

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24868 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:

ESE FIELD GROUP:

ESE SEQUENCE #:

DATE COLLECTED:

TIME COLLECTED:

C-023-41	C-023-42	C-023-43	C-023-44	C-023-45
24868	24868	24868	24868	24868
1	2	3	4	5
11/05/96	11/05/96	11/05/96	11/05/96	11/05/96
14:45	15:08	15:10	15:25	15:40

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	350	330	250	<56	490
Moisture	%	160.3	9.6	7.0	9.3	10.8	8.7

Scumple  
area was  
re-excavated

00002

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 S100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24868 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-023-46	C-023-47
ESE FIELD GROUP:	24868	24868
ESE SEQUENCE #:	6	7
DATE COLLECTED:	11/05/96	11/05/96
TIME COLLECTED:	15:45	16:02

PARAMETERS	UNITS	METHOD		
Lead	MG/KG-DRY	6010	480	300
Moisture	%	160.3	8.1	10.3

00003

ES

Engineering Services, Inc.  
1301 Marina Village Parkway, Suite 200  
Alameda, California 94501  
Phone: (510) 769-0100 Fax: (510) 769-9244

## CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

LABORATORY: <i>BSE Laboratory</i>	PROJECT MANAGER: <i>D. Diamond</i>	PROJ. #: <i>72859B 07000</i>	NO. OF CONTAINERS	ANALYSIS REQUIRED										
PROJECT NAME/LOCATION: <i>Verdese Carter Park /Allied Signal</i>				METHOD <i>Pb &amp; SVOCIC</i>	PRESERVED									
SAMPLER(S): (SIGNATURE) <i>Michael H. Friedman</i>														
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION								REMARKS		
C-023-48	11/14/98	14:30	5:1									1 day	24884 #1	
C-023-49	11	14:45	11									1 day	#2	
RELINQUISHED BY: (SIGNATURE) <i>Michael H. Friedman</i>		DATE <i>11/14/98</i>	TIME <i>17:30</i>	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)				
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>J. Thompson</i>	DATE <i>11/14/98</i>	TIME <i>07:50</i>	REMARKS:							

Environmental Science & Engineering 11/11/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS ENGINEERING  
FIELD GROUP 24884 LAB COORDINATOR Karri Derr

## CLIENT SAMPLE ID'S:

ESE FIELD GROUP:

C-023-48

24884

C-023-49

24884

ESE SEQUENCE #:

1

2

DATE COLLECTED:

11/06/96

11/16/96

TIME COLLECTED:

14:30

14:45

## PARAMETERS

## UNITS

## METHOD

Lead

MG/KG-DRY

6010

&lt;60

500

Moisture

%

160.3

17.2

0.3

Sample  
area  
was  
reexcavated

00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 024**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

Company: Parsons Engineering Science  
Address: 1301 Marina Village Pkwy, 3<sup>rd</sup> floor  
Alameda, CA 94501

Phone #: (510) 769-0108 Fax #: (510) 769-9244  
P.O. #: 728598, 08000  
Client Contact: Kerr-Dave Diamond / Mlw/reinh  
Project # / Location: Verdesse Counter Park

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-024-01	Soil	4oz	glass	1	9-25-96	1444	NA	50024- 24650-1 ✓
C-024-02	Soil	4oz	glass	1	9-25-96	1500		-2 ✓
C-024-03	Soil	4oz	glass	1	9-25-96	1535		-3 ✓
C-024-04	Soil	4oz	glass	1	9-25-96	1544		-4 ✓
C-024-05	Soil	4oz	glass	1	9-25-96	1550		-5 ✓
C-024-06	Soil	4oz	glass	1	9-25-96	1600		-6 ✓
C-024-07	Soil	4oz	glass	1	9-25-96	1610		-7 ✓
C-024-08	Soil	4oz	glass	1	9-25-96	1630		-8 ✓
C-024-09	Soil	4oz	glass	1	9-25-96	1645		-9 ✓
C-024-10	Soil	4oz	glass	1	9-25-96	1700		-10 ✓
C-024-11	Soil	4oz	glass	1	9-25-96	1715	✓	-11 ✓

Relinquished By: <i>Dennis Worel</i>	Date: 9-25 -96 Time: 17 :40	Received By:	Date: -- -- Time: :	TURNAROUND TIME: <input type="checkbox"/> RUSH: ____ day <input type="checkbox"/> turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY Samples Received Chilled <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By:	Date: - - Time: :	Received For Lab By: <i>DJ Thompson</i>	Date: 9-26 -96 Time: 07:30	Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler	

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

Chain of Custody Record

No 14639

Analyses

Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

Preservative:

- 1. None
- 2. H<sub>2</sub>SO<sub>4</sub>
- 3. HNO<sub>3</sub>
- 4. NaOH

by S4260/0A  
9/96

Comments

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24652 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-01	C-024-02	C-024-03	C-024-04	C-024-05
ESE FIELD GROUP:	24652	24652	24652	24652	24652
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/25/96	09/25/96	09/25/96	09/25/96	09/25/96
TIME COLLECTED:	14:44	15:00	15:35	15:44	15:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<54	<56	92	260	530
Moisture	%	160.3	7.0	10.5	7.2	8.4	7.7

000003

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24652 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:	C-024-06	C-024-07	C-024-08	C-024-09	C-024-10
ESE FIELD GROUP:	24652	24652	24652	24652	24652
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	09/25/96	09/25/96	09/25/96	09/25/96	09/25/96
TIME COLLECTED:	16:00	16:10	16:30	16:45	17:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<53	520	71	270	<54
Moisture	%	160.3	6.2	5.4	6.5	6.3	6.6

Environmental Science & Engineering 10/02/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24652 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S: C-024-11  
ESE FIELD GROUP: 24652  
ESE SEQUENCE #: 11  
DATE COLLECTED: 09/25/96  
TIME COLLECTED: 17:15

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	140
Moisture	%	160.3	8.4

000004



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

### Chain of Custody Record

No 14638

Company: Parson Engineering Science  
Address: 1301 Marina Village Pkwy, #200  
Alameda, CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598.08000  
Client Contact: Dave Diamond/Mike Coehn  
Project # / Location: Vandose Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO<sub>3</sub>
- 2. H<sub>2</sub>SO<sub>4</sub> 4. NaOH

### Analyses

Read by SV 6010A

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date			
C-024-12	soil	402	glass	1	9-26-96	13:00	NA	24659*1 X
C-024-13						13:15		2 X
C-024-14						13:35		3 X
C-024-15						14:05		4 X
C-024-16						14:55		5 X
C-024-17						15:10		6 X
C-024-18						15:25		7 X
C-024-19						15:40		8 X
C-024-20						15:50		9 X
C-024-21						16:05		10 X
C-024-22						16:20		11 X
C-024-23		↓	↓	↓	↓	16:30	↓	12 X

Relinquished By: <i>Dennis Womel</i>	Date: 9-26-96 Time: 17:25	Received By: _____ _____ _____	Date: -- -- Time: : :	TURNAROUND TIME: <input type="checkbox"/> RUSH: ____ day turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY Samples Received Chilled <input checked="" type="checkbox"/> Yes <i>10</i> <input type="checkbox"/> No
Relinquished By: _____ _____ _____	Date: -- -- Time: : :	Received For Lab By: <i>EJ Stegmaier</i>	Date: 9-27-96 Time: 09:00		

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler



**Environmental  
Science &  
Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ -

## Chain of Custody Record

No. 14641

Company: Parson Engineering Services  
Address: 1301 marina Village PKwy, #200  
Alameda, CA 94501  
Phone #: (510) 769-0100 Fax #: (510) 769-9244  
P.O. #: 728598-08000  
Client Contact: Dave Diamond / Mike Coehn  
Project # / Location: VerdeSe Carter Park

**Sample Type:** **Container Type:**

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge     V - VOC  
 4. Oil  
 5. Tissue  
 Other : \_\_\_\_\_

**Preservative:**

1. None      3. HNO<sub>3</sub>  
2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## Analyses

### **Comments**

Relinquished By:  
Dennis Wone

Date: 9-26 - 96  
Time: 17:25

**Received By:**

Date: -

卷二十一

#### TURNAROUND TIME:

**FORWARDING**

RUSH.

**turnaround**

**FOR LAB USE ONLY**

Yes

Yes *40*

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/09/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24659 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-12	C-024-13	C-024-14	C-024-15	C-024-16
ESE FIELD GROUP:	24659	24659	24659	24659	24659
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96
TIME COLLECTED:	13:00	13:15	13:35	14:05	14:55

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<53	61	<55	140	270
Moisture	%	160.3	6.3	12.0	8.8	10.8	7.3

NRC - Analysis not requested.

000003

Environmental Science & Engineering 10/09/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24659 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:	C-024-17	C-024-18	C-024-19	C-024-20	C-024-21
ESE FIELD GROUP:	24659	24659	24659	24659	24659
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96
TIME COLLECTED:	15:10	15:25	15:40	15:50	16:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	180	92	170	94	120
Moisture	%	160.3	11.0	8.8	10.8	12.9	7.5

NRQ - Analysis not requested.

000004

Environmental Science & Engineering 10/09/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24659 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-22	C-024-23	C-024-24	E-009-26	E-009-25
ESE FIELD GROUP:	24659	24659	24659	24659	24659
ESE SEQUENCE #:	11	12	13	14	15
DATE COLLECTED:	09/26/96	09/26/96	09/26/96	09/26/96	09/26/96
TIME COLLECTED:	16:20	16:30	16:40	09:00	09:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	160	290	110	NRQ	NRQ
Moisture	%	160.3	8.1	9.0	8.8	NRQ	NRQ
Lead, total	MG/L	6010	NRQ	NRQ	<0.50	<0.50	

NRQ - Analysis not requested.

000005



Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS  
FIELD GROUP 24678 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-25	C-024-26	C-005-01	C-005-02	E009-27
ESE FIELD GROUP:	24678	24678	24678	24678	24678
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/27/96	09/27/96	09/27/96	09/27/96	09/27/96
TIME COLLECTED:	15:30	15:40	16:15	16:25	13:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	210	250	73	140	NRQ
Moisture	%	160.3	8.6	15.7	14.7	17.3	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

000002

Environmental Science & Engineering 12/03/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSONS  
FIELD GROUP 24678 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-024-25	C-024-26	C-005-01	C-005-02	E009-27
BSE FIELD GROUP:	24678	24678	24678	24678	24678
BSE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/27/96	09/27/96	09/27/96	09/27/96	09/27/96
TIME COLLECTED:	15:30	15:40	16:15	16:25	13:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	210	250	73	140	NRQ
Moisture	%	160.3	8.6	15.7	14.7	17.3	NRQ
Lead,total	MG/L	6010	NRQ	NRQ	NRQ	NRQ	<0.50

NRQ - Analysis not requested.

00002

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS FOR  
9801 SUNNYSIDE STREET**

**PARCEL NO. 025**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

### Chain of Custody Record

No 14681

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway  
Alameda, CA 94501

Phone #: (510) 769 - 0100 Fax #: (510) 769 - 9240  
P.O. #: 728598.  
Client Contact: Mike Cohen  
Project # / Location: Verdese Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

### Analyses

9/26/96 SW60Dg

### Comments

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date	Time			
C-025-01	2	4oz	G	1	10/22/96	1440	-	24795b1	X
C-025-02						1455	-	2	X
C-025-03						1515	-	3	X
C-025-04	4	4	4	4		1530	-	4	X
L-026-21						1600	-	5	X
L-026-22						1630	-	6	X
E-010-22	1	16	P	1	10/22/96	1300	HNO3	7	X X X

Relinquished By:	Date: -- -- Time: : :	Received By:	Date: -- -- Time: : :	TURNAROUND TIME: <input checked="" type="checkbox"/> RUSH: day <input type="checkbox"/> turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY Samples Received Chilled <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By: <i>Tania Turpin</i>	Date: 10-22-96 Time: 17:00	Received For Lab By: <i>J. Thompson</i>	Date: 10-23-96 Time: 0800		

SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Print - Lab File Goldenrod - Retained by Sampler

Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24795 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-025-01	C-025-02	C-025-03	C-025-04	C-026-21
ESE FIELD GROUP:	24795	24795	24795	24795	24795
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/22/96	10/22/96	10/22/96	10/22/96	10/22/96
TIME COLLECTED:	14:40	14:55	15:15	15:30	16:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<54	83	<60	<55	1100
Moisture	%	160.3	6.7	6.9	16.0	9.5	13.5

NRQ - Analysis not requested.

0002

**PARSONS ES**

Attn: Kerri Derr

**REQUEST FOR ANALYSES TABLE/CHAIN-OF-CUSTODY RECORD**

Parsons Engineering Science, Inc.  
1801 Martha Village Parkway, 200  
Alameda, CA 94501  
(510) 769-0100 Fax: (510) 769-0244

**TABLE 5.3**

Ambient cooler temperature:		°C		
Relinquished by: (signature)	Time:	Date:	Received by: (signature)	Remarks:
Relinquished by: (signature)	Time:	Date:	Received by: (signature)	Remarks:
Relinquished by: (signature)	Time:	Date:	Received by: (signature)	Remarks:
<i>Janie Tzair</i>	1730	10/23/96	<i>Don H.</i>	10-24-96 8.00

Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24807 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-025-05	C-025-06	C-025-07	C-025-08	C-025-09
ESE FIELD GROUP:	24807	24807	24807	24807	24807
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96
TIME COLLECTED:	14:05	14:15	14:30	14:40	14:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	130	200	<55	240	<57
Moisture	%	160.3	9.8	9.4	9.4	12.3	11.5

000003

Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24807 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-025-10	C-025-11	C-025-12	C-025-13	C-025-14
ESE FIELD GROUP:	24807	24807	24807	24807	24807
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	10/23/96	10/23/96	10/23/96	10/23/96	10/23/96
TIME COLLECTED:	15:05	15:20	15:30	15:40	15:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<57	<55	61	82	120
Moisture	%	160.3	11.6	8.6	13.9	14.1	4.4

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Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24807 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-025-15	C-025-16	C-025-17
ESE FIELD GROUP:	24807	24807	24807
ESE SEQUENCE #:	11	12	13
DATE COLLECTED:	10/23/96	10/23/96	10/23/96
TIME COLLECTED:	16:10	16:30	16:40

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	85	<58	61
Moisture	%	160.3	4.6	13.3	15.2

000005

## **CHAIN OF CUSTODY RECORD**

Environmental Science & Engineering 10/31/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24831 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-012-21 C-012-22 C-012-23 C-025-18 C-026-23  
ESE SEQUENCE #: 24831 24831 24831 24831 24831  
DATE COLLECTED: 11 12 13 14 15  
TIME COLLECTED: 10/28/96 10/28/96 10/28/96 10/28/96 10/25/96  
15:50 16:00 16:30 16:45 16:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	96	<55	<59	200	<59
Moisture	%	160.3	10.7	8.8	15.3	16.8	15.4

00005

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 026**



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date: \_\_\_\_\_

### Chain of Custody Record

No 14682

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marin Village Parkway #200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244

P.O. #: 72854B, 08000

Client Contact: M. Cohen

Project # / Location: Verluse Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

### Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling		Preser- vative	Lab I.D.	Comments
		Size	Type	No.	Date	Time			
C-026-01	2	4 oz	G	1	10/17/96	14125	/	2477541	X
C-026-02	2			1		14:35	/	2	X
C-026-03	2			1		14:45	/	3	X
C-026-04	2			1		14:55	/	4	X
C-026-05	2			1		15:05	/	5	X
C-026-06	2			1		15:15	/	6	X
C-026-07	2			1		1525	/	7	X
C-026-08	2			1		1535	/	8	X
C-026-09	2	↓	↓	1		1550	/	9	X
C-026-10	2	↓	↓	1	↓	1605	↓	10	

Relinquished By:	Date: - - - Time: : :	Received By:	Date: -- -- Time: : :	TURNAROUND TIME: <input type="checkbox"/> RUSH: ____ day turnaround <input type="checkbox"/> ROUTINE	FOR LAB USE ONLY Samples Received Chilled <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By: Janie Turpin	Date: 10-17-96 Time: 16:50	Received For Lab By: J. Thompson	Date: 10-18-96 Time: 07:30		

SPECIAL INSTRUCTIONS:

Environmental Science & Engineering 10/22/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24775 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-01	C-026-02	C-026-03	C-026-04	C-026-05
ESE FIELD GROUP:	24775	24775	24775	24775	24775
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96
TIME COLLECTED:	14:25	14:35	14:45	14:55	15:05

PARAMETERS	UNITS	METHOD	6010	260E	140E	200E	380E	380E
Lead	MG/KG-DRY							
Moisture	%		160.3	9.9	13.0	8.5	9.5	10.3

000002

Environmental Science & Engineering 10/22/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24775 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-06	C-026-07	C-026-08	C-026-09	C-026-10
ESE FIELD GROUP:	24775	24775	24775	24775	24775
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	10/17/96	10/17/96	10/17/96	10/17/96	10/17/96
TIME COLLECTED:	15:15	15:25	15:35	15:50	16:05

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<55E	170E	450E	110E	590E
Moisture	%	160.3	8.7	9.7	10.6	10.7	13.2

000003



Environmental  
Science &  
Engineering, Inc.

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

### FOR LAB USE ONLY

Project Number: \_\_\_\_\_

Due Date:

### Chain of Custody Record

No. 14679

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway, 2nd  
Alameda, CA 94501

Phone #: 510 769-0100 Fax #: 510 769-9244

P.O. #: 728598

Client Contact: Mike Cohen

Project # / Location: Vendesse Carter Park

#### Sample Type: Container Type:

- 1. Water P - Plastic
- 2. Soil G - Glass
- 3. Sludge V - VOC
- 4. Oil
- 5. Tissue
- Other: \_\_\_\_\_

#### Preservative:

- 1. None 3. HNO3
- 2. H2SO4 4. NaOH

### Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container		Sampling		Preser- vative	Lab I.D.	Comments										
		Size	Type	No.	Date													
C-011-17	Z	4oz	G	1	10/18/96	1330	none	247834	X									
C-026-11						1400	/		2 X									
C-026-12						1415	/		3 X									
C-026-13						1425	/		4 X									
C-026-14						1435	/		5 X									
C-026-15						1500	/		6 X									
C-026-16						1505	/		7 X									
C-026-17						1510	/		8 X									
C-026-18						1520	/		9 X									
C-026-19						1530	/		10 X									
C-026-20						1540	/		11 X									
C-011-18		↓	↓	↓	↓	1605	/	↓	12 X									

Relinquished By:

Date: - - -

Received By:

Date: - - -

Time: :

TURNAROUND TIME:

RUSH: 1 day

turnaround

ROUTINE

Relinquished By:

Date: 10-18-96

Received For Lab By:

Date: 10-19-96

Jania Turpin

Time: 15:00

J. Thompson

Time: 11:20

FOR LAB USE ONLY  
Samples Received Chilled

Yes  
 No

### SPECIAL INSTRUCTIONS:

Copies: White - Client Canary - Lab Receiving Pink - Lab File Goldenrod - Retained by Sampler



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway, Suite 200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: 620 767-9244

PO #: 728558

Client Contact: Mike Cohen

Project # / Location: Verdease Carter Park

**FOR LAB USE ONLY**

**Project Number:** \_\_\_\_\_ - \_\_\_\_\_

Due Date: \_\_\_\_\_

## **Chain of Custody Record**

Nº 14680

**Rennguished By:**

Date: \_\_\_\_\_

Received By:

Date: -- --

#### TURNAROUND TIME:

RUSH:    day turnaround

ROUTINE

• FOR LAB USE ONLY

**Samples Received Chilled**

中大 Yes

108

卷之三

**Pennquished By:**

Dated: 11-19-04

Received For Lab By:

Date D-19-78

11-23

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24783 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-011-117	C-026-11	C-026-12	C-026-13	C-026-14
ESE FIELD GROUP:	24783	24783	24783	24783	24783
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/18/96	10/18/96	10/18/96	10/18/96	10/18/96
TIME COLLECTED:	13:30	14:00	14:15	14:25	14:35

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	270	83	370	530	330
Moisture	%	160.3	14.8	13.0	12.3	11.1	11.3

00003

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24783 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-15	C-026-16	C-026-17	C-026-18	C-026-19
ESE FIELD GROUP:	24783	24783	24783	24783	24783
ESE SEQUENCE #:	6	7	8	9	10
DATE COLLECTED:	10/18/96	10/18/96	10/18/96	10/18/96	10/18/96
TIME COLLECTED:	15:00	15:05	15:10	15:20	15:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	455	455	180	290	320
Moisture	%	160.3	8.4	8.7	8.6	9.8	9.1

00004

Environmental Science & Engineering 10/23/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24783 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-20	C-011-18	C-011-19
ESE FIELD GROUP:	24783	24783	24783
ESE SEQUENCE #:	11	12	13
DATE COLLECTED:	10/18/96	10/18/96	10/18/96
TIME COLLECTED:	15:40	16:05	16:20

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	190	230	<62
Moisture	%	160.3	9.9	13.3	19.0

00005



Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24795 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-025-01	C-025-02	C-025-03	C-025-04	C-026-21
ESE FIELD GROUP:	24795	24795	24795	24795	24795
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	10/22/96	10/22/96	10/22/96	10/22/96	10/22/96
TIME COLLECTED:	14:40	14:55	15:15	15:30	16:00

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	<54	83	<60	<55	1100
Moisture	%	160.3	6.7	6.9	16.0	9.5	13.5

NRQ - Analysis not requested.

00002

Environmental Science & Engineering 10/28/96 STATUS :FINAL PAGE 2  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24795 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-026-22	E-010-22
ESE FIELD GROUP:	24795	24795
ESE SEQUENCE #:	6	7
DATE COLLECTED:	10/22/96	10/22/96
TIME COLLECTED:	16:30	13:00

PARAMETERS	UNITS	METHOD	
Lead	MG/KG-DRY	6010	NRQ
Moisture	%	160.3	NRQ
Lead, total	MG/L	6010	<0.50

NRQ - Analysis not requested.

00003

ES

Jones & Jones, Inc.  
1301 Marina Village Parkway, Suite 200  
Alameda, California 94501  
Phone: (510) 769-0100 Fax: (510) 769-9244

## CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

LABORATORY: <i>ESIE Lab</i>	PROJECT MANAGER: <i>D. Diamond m. color</i>	PROJ. #: <i>F24598 080000</i>	NO. OF CONTAINERS	ANALYSIS REQUIRED								
				PRESERVED								
PROJECT NAME/LOCATION: <i>Verde Carter Park</i>			METHOD									
SAMPLER(S): (SIGNATURE) <i>Tania Turpijn</i>			BY SIGHT									
SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION							REMARKS	
C-026-18	<i>10/24/96</i>	<i>16:45</i>	<i>Soil</i>	<i>Parcel # 25</i>							<i>1 X</i> <i>24hr 24831 * 14</i>	
C-026-23	<i>10/25/96</i>	<i>16:50</i>	<i>Soil</i>	<i>Parcel # 26</i>							<i>1 X</i> <i>" " 15</i>	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	REMARKS:					
<i>Tania Turpijn</i>		<i>10/28/96</i>	<i>15:20</i>	<i>DJ Thompson</i>	<i>10/29/96</i>	<i>08:20</i>	<i>SDG# VERD80</i>					

DISTRIBUTION: WHITE: ACCOMPANIES SHIPMENT &amp; RET'D WITH LAB REPORT, CANARY: LAB COPY, PINK: FIELD COPY

Environmental Science & Engineering 10/31/96 STATUS :FINAL PAGE 3  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24831 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:  
ESE FIELD GROUP: C-012-21 C-012-22 C-012-23 C-025-18 C-026-23  
24831 24831 24831 24831 24831  
ESE SEQUENCE #: 11 12 13 14 15  
DATE COLLECTED: 10/28/96 10/28/96 10/28/96 10/28/96 10/25/96  
TIME COLLECTED: 15:50 16:00 16:30 16:45 16:50

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	96	<55	<59	200	<59
Moisture	%	160.3	10.7	8.8	15.3	16.8	15.4

e0005

**CHAIN-OF-CUSTODY FORMS AND  
LABORATORY ANALYTICAL REPORTS**

**PARCEL NO. 028**



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615**  
**Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

FOR LAB USE ONLY

**Project Number:** \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_

## **Chain of Custody Record**

Nº 1508

Company: Parsons Engineering Science  
Address: 1301 Marina Village Pkwy, Ste 200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244

PO #: 728598.07000

Client Contact: Dave Diamond / Mike Cohen

Project # / Location: Verdese Carter Park

**Sample Type: Container Type**

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |
| 4. Oil    |             |
| 5. Tissue |             |
| 6.        |             |

Other: \_\_\_\_\_

- Preservative:**

## Analyses

### **Comments**

Relinquished By:

Date: 8-21 -96

Time: 17 : 20

**Received By:**

Date: -

Time:

#### **TURNAROUND TIME:**

RUSH: day

**turnaround**

ROUTINE

**FOR LAB USE ONLY**

Yes *10*  
 No

---

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 08/29/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24470 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-028-02	C-015-07	C-028-01
ESE FIELD GROUP:	24470	24470	24470
ESE SEQUENCE #:	1	2	3
DATE COLLECTED:	08/21/96	08/21/96	08/21/96
TIME COLLECTED:	15:05	16:05	17:00

PARAMETERS	UNITS	METHOD			
Lead	MG/KG-DRY	6010	110	180	120
Moisture	%	160.3	9.8	3.3	9.2



## **Environmental Science & Engineering, Inc.**

**8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232**

**FOR LAB USE ONLY**

**Project Number:** -

**Due Date:** - - -

## **Chain of Custody Record**

Nº 15084

Company: Parsons Engineering Science  
Address: 1301 Marina Village Pkwy, Ste 200  
Alameda, CA 94501

Phone #: (510) 769-0100 Fax #: (510) 769-9244

PO # 7293598, 07000

Client Contact: Dave Diamond / Mike Friedman

Project # / Location: Verdes Carter Park

**Sample Type: Container Type:**

- |           |             |
|-----------|-------------|
| 1. Water  | P - Plastic |
| 2. Soil   | G - Glass   |
| 3. Sludge | V - VOC     |
| 4. Oil    |             |
| 5. Tissue |             |

**Proscriptive:**

- Preservative:

  1. None      3. HNO<sub>3</sub>
  2. H<sub>2</sub>SO<sub>4</sub>    4. NaOH

## Analyses

Sample I.D. (10 Characters ONLY)	Sample Type	Container			Sampling	
		Size	Type	No.	Date	Time

Relinquished By:	Date: 8-23 -96	Received By:
<i>[Signature]</i>	Time: 17:10	

Date: -- -

**TURNAROUND TIME:**

**FOR LAB USE ONLY**  
**Samples Received Chilled**

Relinquished By: \_\_\_\_\_ Date: -- -- Received For Lab By: \_\_\_\_\_  
Time: : : *M. Johnson*

Date: 8-24-96  
Time: 11:15

turnaround  
 ROUTINE

**SPECIAL INSTRUCTIONS:**

Context: White - Client, Company - Lab Receiving, Pink - Lab File, Goldennrod - Retained by Supplier

Environmental Science & Engineering 10/24/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24484 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-015-08	C-015-09	C-015-10	C-015-11	C-028-05
ESE FIELD GROUP:	24484	24484	24484	24484	24484
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	08/23/96	08/23/96	08/23/96	08/23/96	08/23/96
TIME COLLECTED:	14:25	14:45	15:05	15:20	16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	700E	280E	200E	150E	290E
Moisture	%	160.3	7.9	3.9	7.9	7.1	9.2

000002



Environmental Science & Engineering 10/01/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24544 LAB COORDINATOR Kerri Derr

CLIENT SAMPLE ID'S:	C-028-06	C-028-07	C-019-05	C-019-01	C-019-02
ESE FIELD GROUP:	24544	24544	24544	24544	24544
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	09/05/96	09/05/96	09/05/96	09/05/96	09/05/96
TIME COLLECTED:	15:00	15:15	15:55	16:10	16:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	220E	190E	76E	<57E	<58E
Moisture	%	160.3	5.9	5.7	21.3	11.5	13.4

000003



## **Environmental Science & Engineering, Inc.**

8901 North Industrial Road -- Peoria, Illinois 61615  
Telephone: (309) 692-4422 -- Fax: (309) 692-5232

**FOR LAB USE ONLY**

Project Number: \_\_\_\_\_ -

**Due Date:** \_\_\_\_\_ - \_\_\_\_\_

## **Chain of Custody Record**

Nº 15086

Company: Parsons Engineering Science, Inc.  
Address: 1301 Marina Village Parkway \* 200  
Alameda, CA 94501

Phone #: (510) 769 - 0100 Fax #: (510) 769 - 9244

PO #: 728598-08000

Client Contact: David Diamond / Mike Cohen

Project # / Location: Verdese Carter Park

**Sample Type:** Container Type:

1. Water      P - Plastic  
 2. Soil        G - Glass  
 3. Sludge     V - VOC

- 4. Oil
- 5. Tissue
- Other:

**Preservative:**

### **Analyses**

Renlinquished By:

Date: 8-28 -96  
Time: 16:20

Received By:

Date: --

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#### TURNAROUND TIME

PUSH button

RUSH: \_\_\_\_\_

**turnaround**

ROUTINE

**FOR LAB USE ONLY**

Yes

10

**SPECIAL INSTRUCTIONS:**

Environmental Science & Engineering 09/24/96 STATUS :FINAL PAGE 1  
PROJECT NUMBER 1896504 5100 PROJECT NAME PARSON'S ENG.  
FIELD GROUP 24501 LAB COORDINATOR Karri Derr

CLIENT SAMPLE ID'S:	C-028-08	C-009-05	C-009-09	C-009-10	C-019-26
ESE FIELD GROUP:	24501	24501	24501	24501	24501
ESE SEQUENCE #:	1	2	3	4	5
DATE COLLECTED:	08/28/96	08/28/96	08/28/96	08/28/96	08/28/96
TIME COLLECTED:	14:00	14:20	14:35	14:50	15:30

PARAMETERS	UNITS	METHOD					
Lead	MG/KG-DRY	6010	670	1500	350	2000	100
Moisture	%	160.3	7.9	11.8	16.1	21.7	12.6

00002

**APPENDIX D**

**DUPLICATE SAMPLE RESULTS  
FROM USEPA XRF ANALYSES**

**Duplicate Confirmation Sample Results from USEPA XRF Analyses**  
**Verdese Carter Park Project - AlliedSignal, Inc.**  
**(lead concentrations in mg/kg)**

Sample	Lab Result (EPA Method 6010)	Reported EPA XRF Result	Corrected EPA XRF Result*	RPD**
C-001-04	140	<150	<150	NA
C-001-08	< 61	<150	<150	NA
C-001-13	< 60	<150	<150	NA
C-002-14	100	<150	<150	NA
C-002-16	< 55	<150	<150	NA
C-002-17	250	<150	<150	NA
C-002-18	340	222	222	42%
C-002-19	340	<150	<150	NA
C-003-01	360	<150	<150	NA
C-003-11	63	<150	<150	NA
C-004-04	160	<150	<150	NA
C-005-03	130	1190	1190	161%
C-007-01	230	210	210	9%
C-007-02	210	151	151	33%
C-007-03	79	<150	<150	NA
C-007-04	< 55	<150	<150	NA
C-007-05	180	<150	<150	NA
C-007-06	200	174	174	14%
C-007-07	< 55	<150	<150	NA
C-007-08	< 61	<150	<150	NA
C-007-09	< 55	<150	<150	NA
C-007-10	220	222	222	1%
C-008-01	43	28	<150	NA
C-008-02	52	97	<150	NA
C-008-03	41	44	<150	NA
C-008-04	46	64	<150	NA
C-008-05	87	106	<150	NA
C-008-06	87	128	<150	NA
C-008-07	64	52	<150	NA
C-008-08	150	138	<150	NA
C-008-09	1000	1028	1028	3%
C-008-10	330	356	356	8%
C-008-11	500	324	324	43%
C-009-01	1100	855	855	25%
C-009-02	700	580	580	19%
C-009-03	640	561	561	13%
C-009-04	1000	1131	1131	12%
C-009-05	1500	1554	1554	4%

**Duplicate Confirmation Sample Results from USEPA XRF Analyses**  
**Verdese Carter Park Project - AlliedSignal, Inc.**  
**(lead concentrations in mg/kg)**

Sample	Lab Result (EPA Method 6010)	Reported EPA XRF Result	Corrected EPA XRF Result*	RPD**
C-009-06	380	362	362	5%
C-009-07	480	421	421	13%
C-009-08	720	528	528	31%
C-009-09	350	542	542	43%
C-009-10	2000	751	751	91%
C-009-11	530	298	298	56%
C-009-12	380	437	437	14%
C-009-13	650	520	520	22%
C-009-14	< 57	<150	<150	NA
C-009-15	110	<150	<150	NA
C-010-01	< 58	<150	<150	NA
C-010-02	84	<150	<150	NA
C-010-03	< 56	<150	<150	NA
C-010-04	370	<150	<150	NA
C-010-05	56	<150	<150	NA
C-010-06	< 55	<150	<150	NA
C-010-07	300	228	228	27%
C-010-08	96	<150	<150	NA
C-010-09	190	159	159	18%
C-010-10	180	<150	<150	NA
C-010-11	300	212	212	34%
C-010-12	200	161	161	22%
C-011-02	280	218	218	25%
C-011-11	120	<150	<150	NA
C-011-12	110	<150	<150	NA
C-012-12	< 54	<150	<150	NA
C-012-20	110	<150	<150	NA
C-013-01	75	<150	<150	NA
C-013-02	160	152	152	5%
C-013-03	81	<150	<150	NA
C-013-04	420	220	220	63%
C-013-05	< 63	214	214	NA
C-013-06	540	241	241	77%
C-013-07	350	430	430	21%
C-013-08	170	<150	<150	NA
C-013-09	190	183	183	4%
C-013-10	560	278	278	67%
C-013-11	< 63	<150	<150	NA

**Duplicate Confirmation Sample Results from USEPA XRF Analyses**  
**Verdese Carter Park Project - AlliedSignal, Inc.**  
**(lead concentrations in mg/kg)**

Sample	Lab Result (EPA Method 6010)	Reported EPA XRF Result	Corrected EPA XRF Result*	RPD**
C-013-12	93	<150	<150	NA
C-013-13	380	286	286	28%
C-013-14	130	<150	<150	NA
C-013-15	460	368	368	22%
C-013-16	79	<150	<150	NA
C-013-17	1600	1700	1700	6%
C-013-18	490	835	835	52%
C-013-19	850	764	764	11%
C-013-20	830	798	798	4%
C-013-21	< 55	<150	<150	NA
C-013-22	< 55	<150	<150	NA
C-013-23	120	<150	<150	NA
C-013-24	80	<150	<150	NA
C-015-01	100	106	<150	NA
C-015-03	72	70	<150	NA
C-015-04	210	201	201	4%
C-015-05	170	127	<150	NA
C-015-06	250	172	172	37%
C-015-07	180	144	<150	NA
C-015-08	700	717	717	2%
C-015-09	280	242	242	15%
C-015-10	200	204	204	2%
C-015-11	150	116	<150	NA
C-016-01	81	104	<150	NA
C-016-03	380	364	364	4%
C-016-04	530	336	336	45%
C-017-01	620	470	470	28%
C-017-03	280	270	270	4%
C-017-04	160	146	<150	NA
C-017-05	90	86	<150	NA
C-017-06	89	99	<150	NA
C-019-01	< 57	<150	<150	NA
C-019-02	< 58	<150	<150	NA
C-019-03	92	<150	<150	NA
C-019-04	120	<150	<150	NA
C-019-05	76	<150	<150	NA
C-019-07	76	117	<150	NA
C-019-08	170	<150	<150	NA

**Duplicate Confirmation Sample Results from USEPA XRF Analyses**  
**Verdese Carter Park Project - AlliedSignal, Inc.**  
**(lead concentrations in mg/kg)**

Sample	Lab Result (EPA Method 6010)	Reported EPA XRF Result	Corrected EPA XRF Result*	RPD**
C-019-09	< 57	<150	<150	NA
C-019-10	370	399	399	8%
C-019-11	< 57	12	<150	NA
C-019-12	120	<150	<150	NA
C-019-13	140	<150	<150	NA
C-019-14	< 55	36	<150	NA
C-019-15	< 56	92	<150	NA
C-019-16	< 56	4	<150	NA
C-019-17	< 56	5	<150	NA
C-019-18	66	25	<150	NA
C-019-19	< 58	3	<150	NA
C-019-20	150	5	<150	NA
C-019-21	< 62	2	<150	NA
C-019-22	< 56	4	<150	NA
C-021-01	< 54	37	<150	NA
C-021-02	140	123	<150	NA
C-021-03	120	135	<150	NA
C-021-05	140	159	159	13%
C-021-06	140	212	212	41%
C-021-07	130	82	<150	NA
C-021-08	81	46	<150	NA
C-021-09	83	90	<150	NA
C-021-10	140	110	<150	NA
C-022-01	110	117	<150	NA
C-022-02	95	65	<150	NA
C-022-03	370	268	268	32%
C-022-05	110	65	<150	NA
C-022-06	180	133	<150	NA
C-022-07	440	282	282	44%
C-023-45	90	322	322	113%
C-024-15	140	<150	<150	NA
C-024-19	170	<150	<150	NA
C-024-20	94	<150	<150	NA
C-025-09	< 57	<150	<150	NA
C-025-12	61	<150	<150	NA
C-026-04	380	414	414	9%
C-026-15	< 55	<150	<150	NA
C-028-01	120	82	<150	NA

**Duplicate Confirmation Sample Results from USEPA XRF Analyses**  
**Verdese Carter Park Project - AlliedSignal, Inc.**  
**(lead concentrations in mg/kg)**

Sample	Lab Result (EPA Method 6010)	Reported EPA XRF Result	Corrected EPA XRF Result*	RPD**
C-028-02	110	96	<150	NA
C-028-05	290	248	248	16%
C-028-06	220	172	172	24%
C-028-07	190	191	191	1%
C-028-08	670	597	597	12%
<b>Average RPD</b>				<b>27%</b>

\* All EPA XRF results below reporting limit of 150 ppm  
 are treated as non detects for computing RPD

\*\*Relative Percent Difference (RPD) =  $([L-X]/[L+X]/2)) \times 100\%$

Lab result = L

Corrected EPA XRF Result = X

NA = RPD calculation not applicable to non-detects