



Environmental Services, Inc.

2111 Jennings Street, San Francisco, CA 94124-3224, Phone (415) 822-4555 FAX (415) 822-5290

URR sent 3/4/91

February 27, 1991
Project Number 5186A

San Lorenzo Unified School District
15510 Usher Street
San Lorenzo, CA 94580
Attention: Deb Cornwell

TANK REMOVAL REPORT
Fuel Tank Site
Arroyo School
15701 Lorenzo Avenue
San Lorenzo, California

We are pleased to forward this report to you and the Alameda County Health Care Services Agency.

GENERAL

One 6,000 gallon underground steel diesel fuel tank has been removed from the Arroyo School site. The underground tank had been used to store diesel fuel for heating and hot water service at the school facility. The tank had been unused since natural gas was introduced to the Arroyo School sometime in the 1960s.

In accordance with the Underground tank closure permit issued by the Alameda County Health Care Services Agency we are presenting this report. A copy of the approved first page of the Underground tank closure permit is attached.

The Arroyo School is located at 15701 Lorenzo Avenue in San Lorenzo California. Figure 1, Vicinity Map shows the site location with respect to the surrounding area. The tank which was removed was located within an asphalt paved area between the boiler room and maintenance part of the school building and some portable classrooms. Figure 2, attached, shows the approximate location of the tank with respect to the buildings and nearby site landmarks.

TANK PREPARATION AND REMOVAL

Prior to removal the tank was evacuated of all remaining product and triple rinsed to remove any further product residue. The mixture of product and water was then removed from the site under Uniform Hazardous Waste Manifest procedure. Copies of manifest number 8991 7572 and 8991 7588 are attached.

The 6,000 gallon diesel (fuel oil) tank was exposed and on January 3, 1991 the tank was purged of explosive vapors by insertion of appropriate amounts of dry ice. Mr. Vern Brooks, Hazardous Material Engineer of the Eden Consolidated Fire Protection District and Ms. Pam Evans, Hazardous Materials Specialist of the Alameda County Environmental Health Department were on site to observe the procedures and direct the soil sampling.

When the tank was lifted from the excavation, an inspection was made of the tank integrity. After scraping and probing, the tank was noted as being rusted and corroded with a 1/4 inch leaking seam. Approximately 1 gallon of product leaked and was caught in a bucket.

The tank bottom was measured to be about 10 feet deep. Further backhoe excavation revealed a concrete pad which apparently had been used as a tank foundation or as a tie-down. No groundwater accumulation was noted in the final 10 foot deep excavation during removal.

The empty, rinsed, and purged tank was then immediately placed on a truck from Erickson Trucking and was delivered to Erickson Trucking in Richmond under Uniform Hazardous Waste Manifest procedures (Tank # 5304). A copy of the Uniform Hazardous Waste Manifest number 8991 7579 is attached.

SOIL SAMPLING

Ms. Evans designated nine soil sample locations. Samples 01 and 02 were from the west end of the excavation at about 10 and 11 feet. Sample 03 was taken in the east end of the excavation at a depth of about 11 feet below ground surface. A total of 6 samples were taken from two different piles of excavated material. The location of the four samples are shown on the attached Figure 3, Sample Location Plan.

A backhoe was used to obtain soil for samples 01, 02, and 03. Soil for samples 04 through 09 as exposed using a post hole auger. The soil samples were collected by a California registered geologist by driving 2 inch diameter by 6 inch long brass tubes into the designated soil. The tubes were capped, sealed,

labeled and stored in a cooled ice chest. The samples were then transported to Precision Analytical Laboratory under Chain of Custody protocol for analysis.

LABORATORY ANALYSIS AND PROCEDURES

The three samples from the excavation were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D) by the DHS Extraction Method; Volatile Organic Compounds (Benzene, Toluene, Ethylbenzene, and Xylene-BTEX) by EPA Method 8020; and Total Oil and Grease (TOG) by EPA Method 9071. The six samples from the excavated soil were analyzed for TPH-D and BTEX. The laboratory results are tabulated below.

RESULTS OF SOIL ANALYSIS

| Sample Number | Sample Depth (feet) | TPH Diesel (results are presented in parts per million-ppm) | BTEX | TOG |
|---------------|------------------------|--|-----------------|------|
| 01BT | 10 | 62 | ND/0.12/ND/0.06 | ND |
| 02BT | 11 | 300 | ND/0.08/ND/0.33 | 730 |
| 03BT | 113? | 300 | ND/0.10/ND/ND | 2000 |
| 04BT | 3 | ND | ND/ND/ND/ND | NT |
| 05BT | 2 | ND | ND/ND/ND/ND | NT |
| 06BT | 1 | ND | ND/ND/ND/ND | NT |
| 07BT | 0.5 | ND | ND/ND/ND/ND | NT |
| 08BT | 1 | 12.0 | ND/ND/ND/ND | NT |
| 09BT | 1.5 | ND | ND/ND/ND/ND | NT |

Notes: ppm parts per million
ND non-detected at or above the Method Detection Limit.
BT Boiler Tank
NT Not Tested

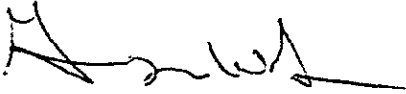
Original signed laboratory certificates from Precision Analytical Laboratory for each analysis are attached.

SOIL HANDLING

As the soil was removed from the tank excavation it was stored on plastic sheeting near the tank excavation area. Subsequently the soil was moved to School District property for aeration and the excavation was filled with low strength concrete slurry.

If there are any questions please call.

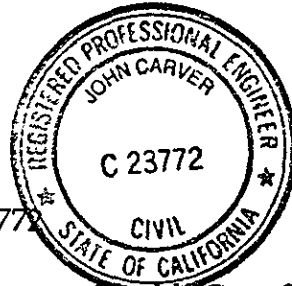
Sincerely



George Wilson
Vice President

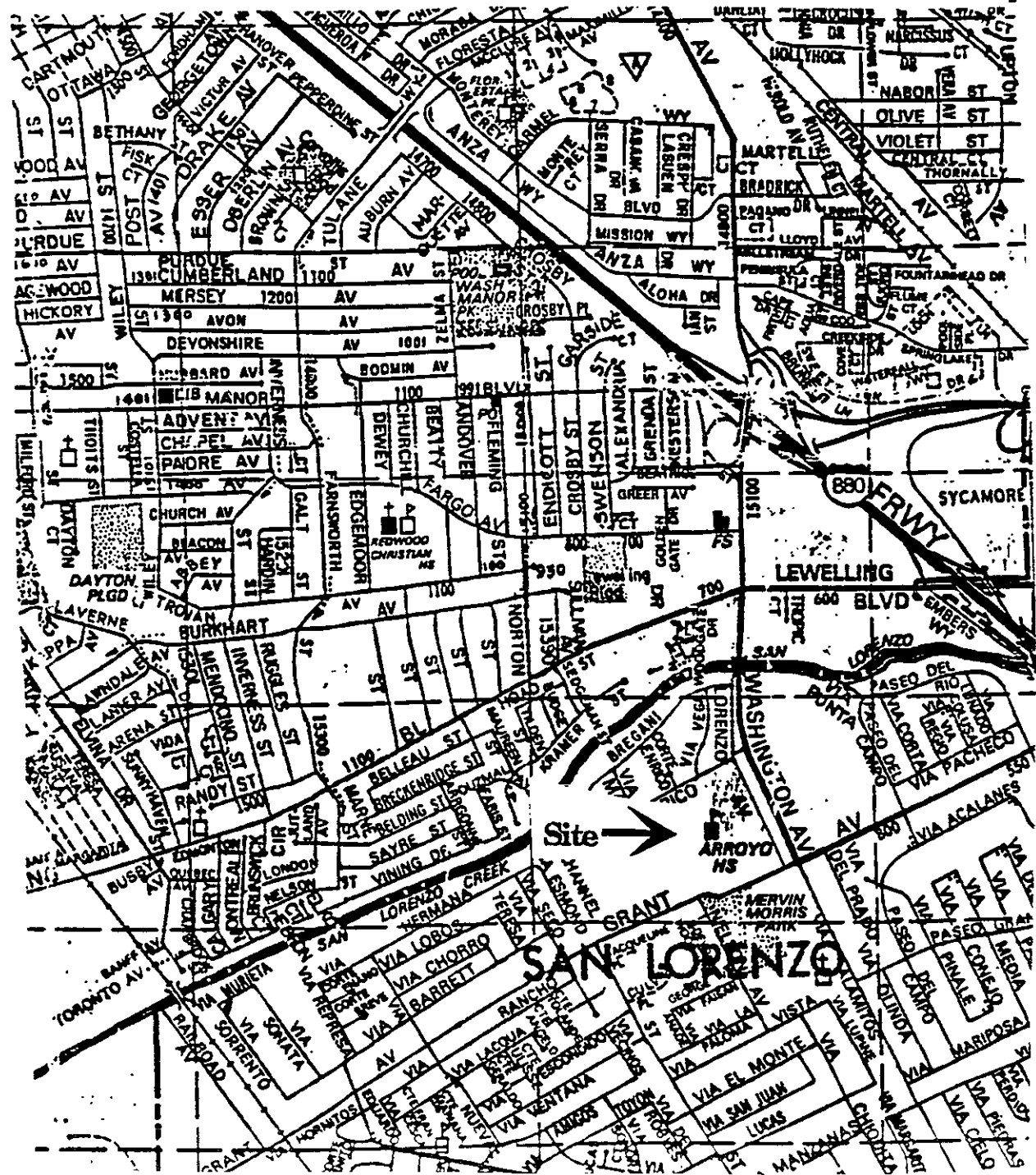


John Carver
Civil Engineer 23772



- cc: Alameda County Health Care Services Agency
Department of Environmental Health
ATTN: Ms Pam Evans
Eden Consolidated Fire Protection District
ATTN: Mr. Vern Brooks

NORTH



Site →

L & W Environmental Services, Inc.

2111 Jennings Street
San Francisco, California

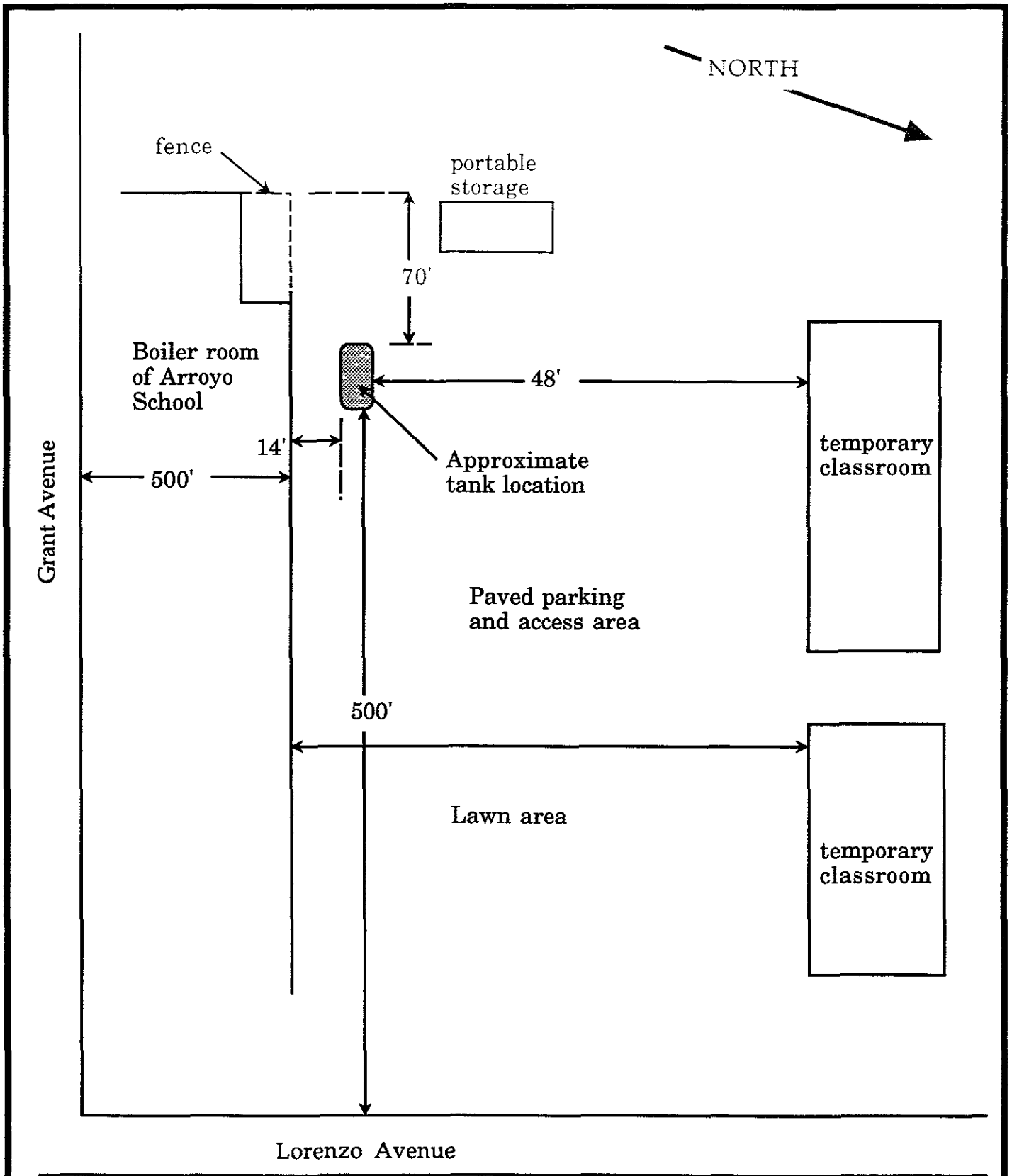
Vicinity Map
Fuel Oil Tank
Arroyo High School
San Lorenzo, California

Project Number: 5186A

Drawn by: JNC

Date: February, 1991

Figure Number: 1



L & W Environmental Services, Inc.

2111 Jennings Street
San Francisco, California

TANK LOCATION PLAN

Fuel Oil Tank
Arroyo School
San Lorenzo, California

Project Number: 5186A

Drawn by: JNC

Date: February 1991

Figure Number: 2

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No. **C A C 0 0 0 0 2 7 7 3 1 1 7 1 5 7 1 2** Manifest Document No. **89917572** Page 1 of 1 Information in the shaded areas is not required by Federal Law

1. Generator's Name and Mailing Address
**San Lorenzo Unified School District/Arroyo High School
15510 Waser Street, San Lorenzo, CA 94530**
Generator's Phone: **415 276-3600**

5. Transporter 1 Company Name: **Allied Oil and Pumping** US EPA ID Number: **C A T 0 9 0 0 1 4 2 7 7** State Transporter's ID: **C A D 0 8 3 1 6 6 7 2 8**
Transporter's Phone: **(408) 432-9333**

9. Designated Facility Name and Site Address: **Refineries Services
13331 No. Highway 33
Patterson, CA 95365** US EPA ID Number: **ICIAID1081311616171218** State Facility's ID: **C A D 0 8 3 1 6 6 7 2 8**
Facility's Phone: **(800) 874-4444**

| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | 12. Containers | | 13. Total Quantity | 14. Unit Wt./Vol | 1. Waste No. |
|--|----------------|------------|--------------------|------------------|---|
| | No. | Type | | | |
| a. Waste, Hazardous Waste, N.O.S., Combustible Liquid, NA 1993 | 01011 | TIP | 30 | G | State: 221 EPA/Other: D001 |
| b. | | | | | State: EPA/Other: |
| c. | | | | | State: EPA/Other: |
| d. | | | | | State: EPA/Other: |

J. Additional Descriptions for Materials Listed Above: **DIESEL ARROYO SCHOOL
15701 LORENZO AVE, SAN LORENZO, CA.**

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN HANDLING. KEEP MATERIAL AWAY FROM SOURCES OF IGNITION. GLOVES AND GOGGLES REQUIRED.

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to reduce the waste generated and select the best waste management method that is available to me and that I can afford.
Printed/Typed Name: **Rich J** Signature: **Rich J** Month Day Year: **12/1/90**
on behalf of San Lorenzo U.S.D. on behalf of San Lorenzo U.S.D.

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: **RICH JOHNS** Signature: **Rich J** Month Day Year: **12/1/1990**

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: Signature: Month Day Year:

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-424-8802

Do Not Write Below This Line

White: TSD/ SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 2000 Sacramento, CA 95812

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA C10002777211** Manifest Document No. **1715179** 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
San Lorenzo Unified School District - Arroyo H.S.
12510 USHER ST., SAN LORENZO, CA 94580

4. Generator's Phone **(415) 276-3600**

5. Transporter 1 Company Name **ERICKSON, INC.** 6. US EPA ID Number **CAID001941616392**

7. Transporter 2 Company Name **Trident Truck Line** 8. US EPA ID Number **CAID0942484370**

9. Designated Facility Name and Site Address
ERICKSON, INC.
215 PARR Blvd.
ELK CHERMOND, CA 94806 10. US EPA ID Number **CAID001941616392**

A. State Manifest Document Number **89917579**
 B. State Generator's ID
 C. State Transporter's ID **107569**
 D. Transporter's Phone **415 753-2821**
 E. State Transporter's ID
 F. Transporter's Phone
 G. State Facility's ID **CAID010941616392**
 H. Facility's Phone

| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | 12. Containers | | 13. Total Quantity | 14. Unit Wt/Vol | 15. Waste No. |
|--|----------------|------------|--------------------|-----------------|---|
| | No. | Type | | | |
| a. CALIFORNIA REGULATED WASTE ONLY | 0012 | TIP | 1611000 P | | State: 512 EPA/Other: NONE |
| b. | | | | | State: EPA/Other: |
| c. | | | | | State: EPA/Other: |
| d. | | | | | State: EPA/Other: |

J. Additional Descriptions for Materials Listed Above:
Empty Diesel Tank # S304
Empty gas tank # S305
packed in 15 lb dry ice per 1000 gal

K. Handling Codes for Wastes Listed Above:
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURCES OF IGNITION. WEAR HARDHAT AND STEEL TOED BOOTS WHEN HANDLING.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Prepared/Typed Name **DEB CORNWELL** Signature *[Signature]* Month Day Year **01 03 91**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Prepared/Typed Name **Jeff Morris** Signature *[Signature]* Month Day Year **10 10 31 91**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Prepared/Typed Name Signature Month Day Year

19. Discrepancy Indication Space
5) TRANS (one) I did not transport (CAD) S/B in LINES E & F (H) 415-2551515
17) TRANS #2 signed in wrong line (11A) waste empty storage tank

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Prepared/Typed Name **Ronald H. Johnson** Signature *[Signature]* Month Day Year **10 10 31 91**

Do Not Write Below This Line

White TSD/ SENDS THIS COPY TO HS WITHIN 90
 To P.O. Box 3000, Sacramento, CA 95833

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7550
 GENERATOR
 TRANSPORTER
 FACILITY

Please print or type. (Form designed for use or (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1A1010101217171211**
 Manifest Document No. **117151818**

2. Page 1 of 1
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
San Lorenzo Unified School District / Arroyo High School
15510 Usher Street, San Lorenzo, CA 94580

A. State Manifest Document Number
89917588

4. Generator's Phone **(415) 276-3600**

B. State Generator's ID

5. Transporter 1 Company Name
Erickson, Inc.

8. US EPA ID Number
CA1AD10109466392

C. State Transporter's ID
106227

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone
(415) 235-1393

9. Designated Facility Name and Site Address
Gibson Oil / Pilot Petroleum
475 Sea Port Blvd.
Redwood City, CA 94604

10. US EPA ID Number
CA1AD1014326107102

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone
(415) 368-5511

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type
 13. Total Quantity
 14. Unit - Wt/Vol
 15. Waste No.

a. **RQ Hazardous Waste Liquids NOS, ORM-E**
NA9189 D018

01011 TIT 1 18100 G
 State **223**
 EPA/Other **D018**

b.

State

c.

State

d.

State

J. Additional Descriptions for Materials Listed Above

Hydrocarbon Mixture with Water
(99% water, 1% Hydrocarbons)

K. Handling Codes for Wastes Listed Above

a. b. c. d.

15. Special Handling Instructions and Additional Information

Gibson Oil Waste Stream Profile Number RT2010 **ERG 31**
24 HR Contact - George Wilson
24 HR Phone # (415) 822-4555 days
(707) 769-0283 evenings

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **on behalf of San Lorenzo U.S.D.** Signature **on behalf of San Lorenzo U.S.D.** Month Day Year **10 11 25 16 16**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **Norwood Richmond** Signature **Norwood Richmond** Month Day Year **10 11 25 19 11**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

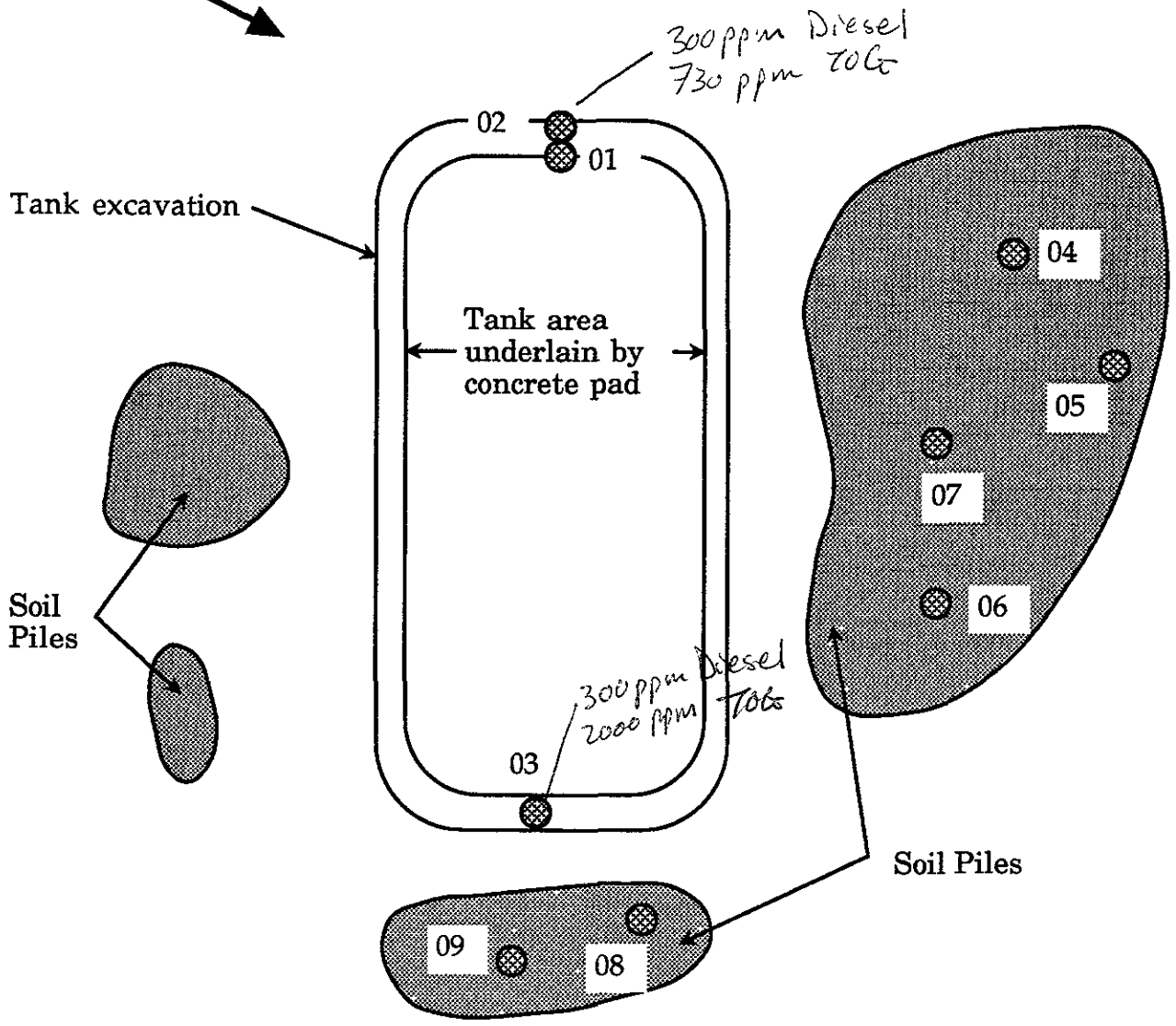
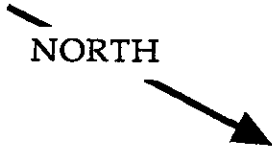
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name Signature Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550
 GENERATOR
 TRANSPORTER
 FACILITY

89917588



Approximate sample location

Not to scale

L & W Environmental Services, Inc.
2111 Jennings Street
San Francisco, California

SAMPLE LOCATION PLAN
Fuel Oil Tank
Arroyo School
San Lorenzo, California

Project Number: 5186A

Drawn by: JNC

Date: February, 1991

Figure Number: 3

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91
Reported: 01/08/91
Job #: 72138

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/kg

| Lab ID | Client ID | Diesel | MDL |
|---------|-----------|--------|-----|
| 72138-1 | 01 BT | 62 | 10 |
| 72138-2 | 02 BT | 300 | 20 |
| 72138-3 | 03 BT | 300 | 20 |

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method detection limit; Compound below this level would not be detected.

Jaime Chow
Jaime Chow
Laboratory Director

JC/dc

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91

Reported: 01/10/91

Job #: 72138

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/kg

| <u>Lab ID</u> | <u>Client ID</u> | <u>Benzene</u> | <u>MDL</u> | <u>Toluene</u> | <u>MDL</u> |
|---------------|------------------|----------------|------------|----------------|------------|
| 72138-1 | 01 BT | ND<0.015 | 0.015 | 0.12 | 0.015 |
| 72138-2 | 02 BT | ND<0.015 | 0.015 | 0.08 | 0.015 |
| 72138-3 | 03 BT | ND<0.015 | 0.015 | 0.10 | 0.015 |

| <u>Lab ID</u> | <u>Client ID</u> | <u>Ethyl- benzene</u> | <u>MDL</u> | <u>Xylene</u> | <u>MDL</u> |
|---------------|------------------|---------------------------|------------|---------------|------------|
| 72138-1 | 01 BT | ND<0.015 | 0.015 | 0.06 | 0.045 |
| 72138-2 | 02 BT | ND<0.015 | 0.015 | 0.33 | 0.045 |
| 72138-3 | 03 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |

QA/QC: Spike Recovery for Benzene: 108%
Spike Recovery for Toluene: 101%
Spike Recovery for O-Xylene: 94%

MDL: Method detection limit; Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/dc

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91

Reported: 01/09/91

Job #: 72138

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Oil & Grease Analysis
EPA Method 9071
mg/kg

| Lab ID | Client ID | Oil & Grease | MDL |
|---------|-----------|-----------------|-----|
| 72138-1 | 01 BT | ND<20 | 20 |
| 72138-2 | 02 BT | 730 | 20 |
| 72138-3 | 03 BT | 2000 | 20 |

QA/QC: Spike Recovery for Oil & Grease: 79%

MDL: Method detection limit; Compound below this level would not be detected.

Sumitran Sidhu (Fos)

Jaime Chow
Laboratory Director

JC/dc

CHAIN OF CUSTODY

g
revised

| SAMPLERS: (Signature) <i>James or Jacobs & Co</i> | | | | | | ANALYSIS REQUESTED | | | | | | | | | | | |
|---|--------|------|--------------------|-------|-----------------------------------|---------------------------|---|--|--|--|---------|--|--|--|--|--|--|
| PROJECT NAME: Arroyo H.S. (San Lorenzo School District) | | | JOB NUMBER: | | | | | | | | | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL PETROLEUM HYDROCARBONS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX & E</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC - EPA 8240</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOTAL OIL & GREASE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TETRAETHYL LEAD</div> </div> | | | | | |
| DESCRIPTION: Boiler Tank Soil Piles | | | | | | | | | | | | | | | | | |
| ADDRESS: Lorenzo Ave, San Leandro | | | | | | | | | | | | | | | | | |
| CROSS REFERENCE NUMBER | DATE | TIME | SOIL | WATER | STATION LOCATION | | | | | | REMARKS | | | | | | |
| 04 BT | 1/3/91 | 1355 | X | | North Soil pile 5' high 2' deep | X | X | | | | | } Soil piles from Boiler Tank (BT) | | | | | |
| 05 BT | 1/3/91 | 1403 | X | | North Soil pile 4' high 2' deep | X | X | | | | | | | | | | |
| 06 BT | 1/3/91 | 1408 | X | | North Soil pile 2' high 1' deep | X | X | | | | | | | | | | |
| 07 BT | 1/3/91 | 1420 | X | | North Soil pile 2' high 1/2' deep | X | X | | | | | | | | | | |
| 08 BT | 1/3/91 | 1425 | X | | East Soil pile 2' high 1' deep | X | X | | | | | | | | | | |
| 09 BT | 1/3/91 | 1435 | X | | East Soil pile 3' high 1/2' deep | X | X | | | | | | | | | | |

| | | | | | |
|---|------|--------|--|------|--------|
| RELINQUISHED BY: (Signature) <i>James or Jacobs</i> | DATE | 1/3/91 | RECEIVED BY: (Signature) <i>Kukwinka Sidhu</i> | DATE | 1/3/91 |
| RELINQUISHED BY: (Signature) | TIME | 515 | RECEIVED BY: (Signature) | TIME | 515 pm |
| RELINQUISHED BY: (Signature) | DATE | | RECEIVED BY: (Signature) | DATE | |
| RELINQUISHED BY: (Signature) | TIME | | RECEIVED BY: (Signature) | TIME | |
| RELINQUISHED BY: (Signature) | DATE | | RECEIVED FOR LABORATORY BY: (Signature) | DATE | |
| RELINQUISHED BY: (Signature) | TIME | | | TIME | |

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91

Reported: 01/08/91

Job #: 72139

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/kg

| Lab ID | Client ID | Diesel | MDL |
|---------|-----------|--------|-----|
| 72139-1 | 04 BT | ND<10 | 10 |
| 72139-2 | 05 BT | ND<10 | 10 |
| 72139-3 | 06 BT | ND<10 | 10 |
| 72139-4 | 07 BT | ND<10 | 10 |
| 72139-5 | 08 BT | 12.0 | 10 |
| 72139-6 | 09 BT | ND<10 | 10 |

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method detection limit; Compound below this level would not be detected.

Jaime Chow

Jaime Chow
Laboratory Director

JC/dc

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 211

Received: 01/03/91

Reported: 01/10/91

Job #: 72139

Attn: George Wilson
L & W Environmental Services
2111 Jennings Street
San Francisco, CA. 94124

Project: Arroyo High School - San Lorenzo School District
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/kg

| <u>Lab ID</u> | <u>Client ID</u> | <u>Benzene</u> | <u>MDL</u> | <u>Toluene</u> | <u>MDL</u> |
|---------------|------------------|----------------|------------|----------------|------------|
| 72139-1 | 04 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |
| 72139-2 | 05 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |
| 72139-3 | 06 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |
| 72139-4 | 07 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |
| 72139-5 | 08 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |
| 72139-6 | 09 BT | ND<0.015 | 0.015 | ND<0.015 | 0.015 |

| <u>Lab ID</u> | <u>Client ID</u> | <u>Ethyl- benzene</u> | <u>MDL</u> | <u>Xylene</u> | <u>MDL</u> |
|---------------|------------------|---------------------------|------------|---------------|------------|
| 72139-1 | 04 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |
| 72139-2 | 05 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |
| 72139-3 | 06 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |
| 72139-4 | 07 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |
| 72139-5 | 08 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |
| 72139-6 | 09 BT | ND<0.015 | 0.015 | ND<0.045 | 0.045 |

QA/QC: Spike Recovery for Benzene: 108%
Spike Recovery for Toluene: 101%
Spike Recovery for O-Xylene: 94%

MDL: Method detection limit; Compound below this level would not be detected.

Jaime Chow
Laboratory Director
JC/dc