



JONAS & ASSOCIATES INC.
Environmental Consultants

(510) 933-5360
Walnut Creek, California

FAX/TELECOPY TRANSMITTAL

From: <i>Romana Jonas</i>	of: JONAS & ASSOCIATES INC.	FAX #: (510) 933 - 5362
To: <i>Susan Hugo</i>	of: <i>Alameda</i>	FAX #: (510) 337- 9335

Date: <i>9/12/1995</i>	Project:
Time: <i>1:45 am</i> (pm)	J&A Project #: <i>CLT-212</i>

Attachments:
1)
2)
3)

Number of attached pages (not including transmittal page): <i>34</i>
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Message:

Distribution: (1)

(2)

DRAFT

J&A UST REMOVAL
EXCAVATION PIT SOIL AND WATER SAMPLE RESULTS

9-12-1995 1:37PM

FROM JONAS AND ASSOCIATES 510 933 5362

J&A TRUCK REPAIR EXCAVATION PIT SOIL SAMPLE RESULTS										
Sample No.	Sample Location	EPA 3050A M/6010	EPA 3350/8015M			EPA 5030/8015M/8020				
		Lead (mg/kg)	TEPH-d (mg/kg)	TEPH-k (mg/kg)	TEPH-mo (mg/kg)	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylene (mg/kg)
J&A-E-END-1'	East Wall of the Excavation	3.0	ND (10)	ND (10)	ND (100)	ND (1.0)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)
J&A-W-END-1''	West Wall of the Excavation	5.9	ND (10)	ND (10)	ND (100)	5500	40	260	100	520
† : Unknown hydrocarbons in the diesel range, concentration = 98 mg/kg.										
J&A TRUCK REPAIR PIT WATER SAMPLE RESULTS										
Sample No.	Sample Location	EPA 3010A M/6010	EPA 3510/8015M			EPA 5030/8015M/602/8020				
		Lead (mg/l) (STLC)	TEPH-d (mg/l)	TEPH-k (mg/l)	TEPH-mo (mg/l)	TPH-g (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethyl-benzene (mg/l)	Total Xylene (mg/l)
J&A-GW	Bottom of the Excavation	9.17	ND (0.5)	ND (0.5)	ND (5.0)	32	5.6	5.1	0.063	5.5

DRAFT

**J&A TRUCK REPAIR UST REMOVAL
SOIL STOCKPILE SAMPLE RESULTS
TOTAL 8 RCRA METALS**

Analyte	SAMPLE NO: J&A-STOCKPILE-COMP			
	TOTAL 8 RCRA METALS METHOD: 3050A M/6010/7471 mg/kg	TTL REGULATORY LEVELS mg/kg	TOTAL 8 RCRA METALS METHOD: WET 3005A M/6010/7470 mg/l	STLC REGULATORY LEVELS mg/l
Arsenic	ND (1.0)	500	ND (0.5)	5
Barium	39	10,000	3.7	100
Cadmium	0.5	100	ND (0.1)	1
Chromium	47	500	ND (0.5)	5
Lead	13	1000	2.4	5
Selenium	ND (2.0)	100	ND (0.2)	1
Silver	ND (1.0)	500	ND (0.5)	5
Mercury	0.05	20	ND (0.005)	0.2

DRAFT

J&A TRUCK REPAIR UST REMOVAL
SOIL STOCKPILE SAMPLE RESULTS
TOTAL PETROLEUM HYDROCARBONS

Sample No.	Sample Location	EPA 418.1	EPA Method 5030/8015M/8020				
		TRPH (mg/kg)	TPH-g (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylene (mg/kg)
J&A-STOCKPILE- COMP	Composite from four locations from a depth of 1.5 feet below the surface of the stockpile.	760	160	ND (0.1)	ND (0.1)	ND (0.1)	2.4

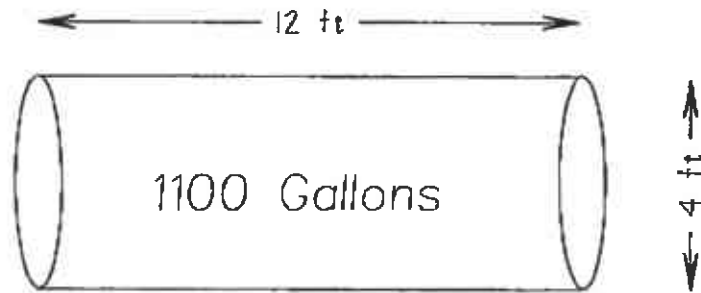
Drawn
by

E.L.
9-1-95

Drawing
Number

CLT212FJ&A-1

Figure J&A-1

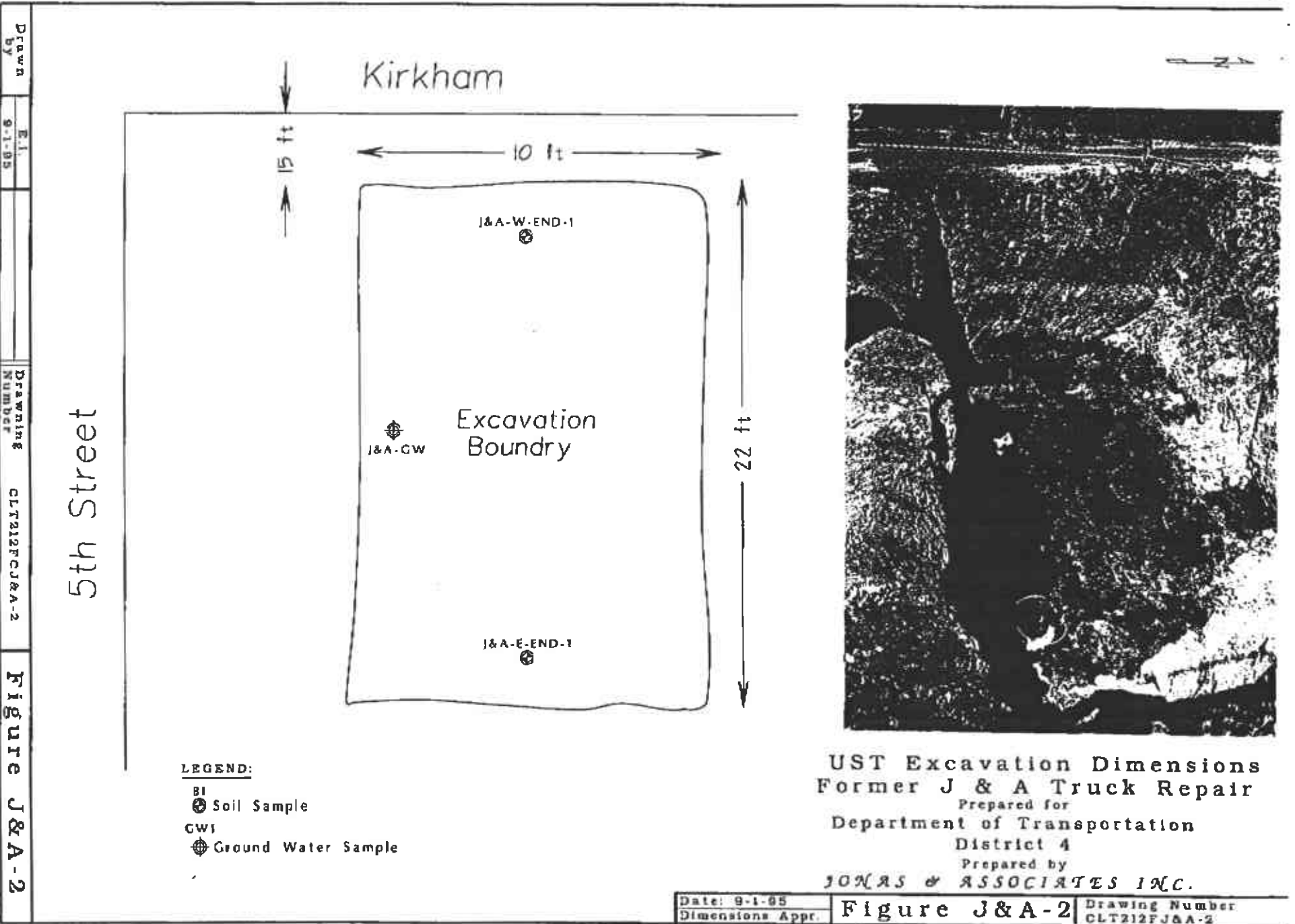


UST Dimensions
 Former J & A Truck Repair
 Prepared for
 Department of Transportation
 District 4
 Prepared by
 JONAS & ASSOCIATES INC.

Date: 9-1-95
 Dimensions Appr.

Figure J&A-1

Drawing Number
 CLT212FJ&A-1

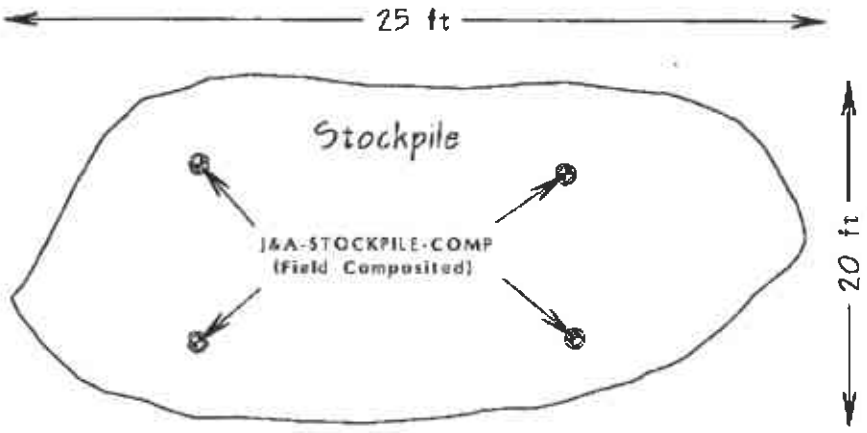


Drawn by	E.I.	Drawing Number	CLT212FJ&A-2	Figure J&A-2
	9-1-95			

LEGEND:
 SI
 ⊗ Soil Sample
 CW
 ⊗ Ground Water Sample

UST Excavation Dimensions
Former J & A Truck Repair
 Prepared for
 Department of Transportation
 District 4
 Prepared by
JONAS & ASSOCIATES INC.

Date: 9-1-95	Figure J&A-2	Drawing Number: CLT212FJ&A-2
Dimensions Appr.		



LEGEND:

B1

⊗ Soil Sample

• One Composite Sample Analyzed

Stockpile Dimensions
 Former J & A Truck Repair
 Prepared for
 Department of Transportation
 District 4
 Prepared by
 JONAS & ASSOCIATES INC.

Date: 9-1-95	Figure J&A-3	Drawing Number CLT212FJ&A-3
Dimensions Appr.		

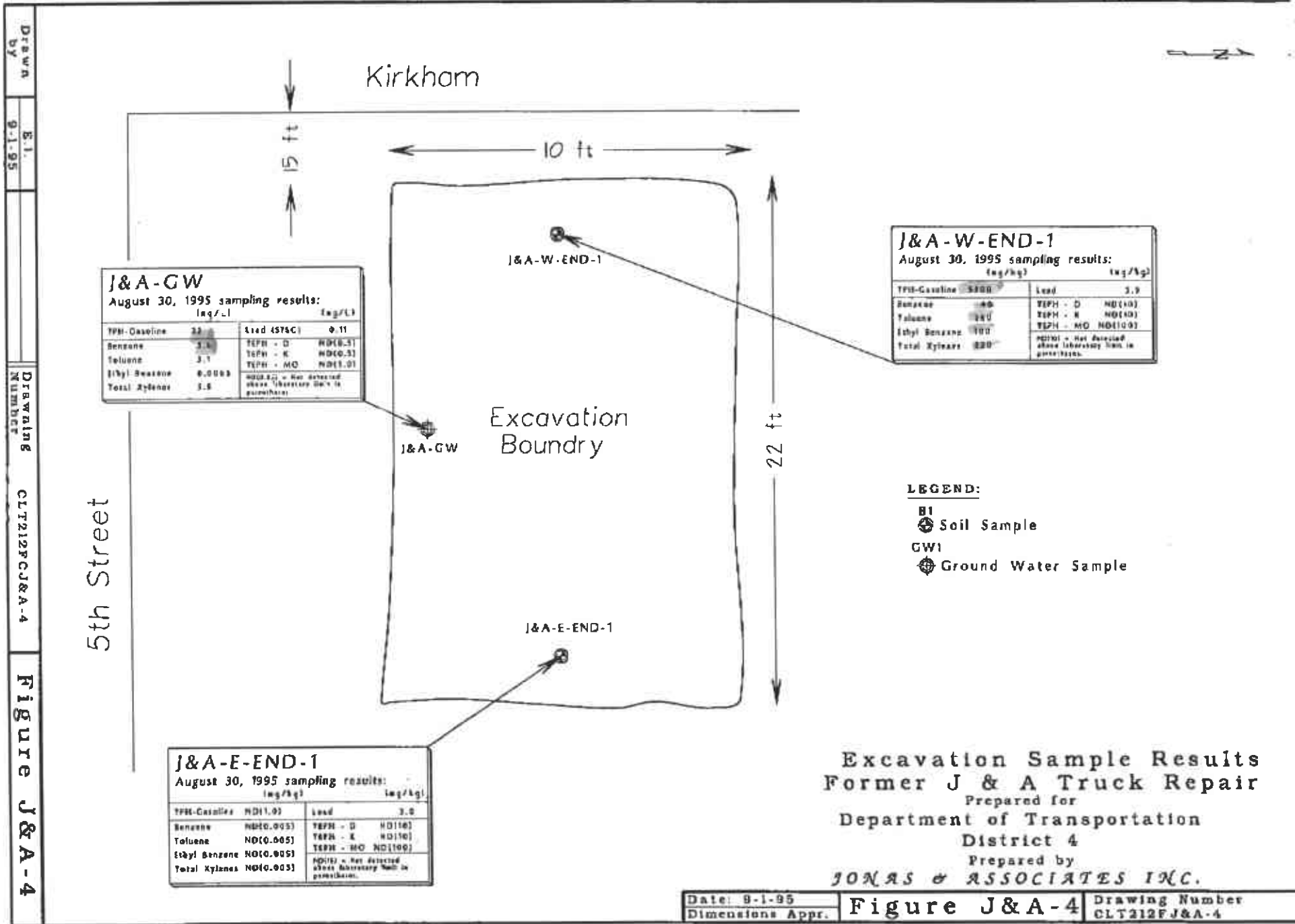
Drawn by

E.I.
9-1-95

Drawing Number

CLT212FJ&A-3

Figure J&A-3



Drawn by

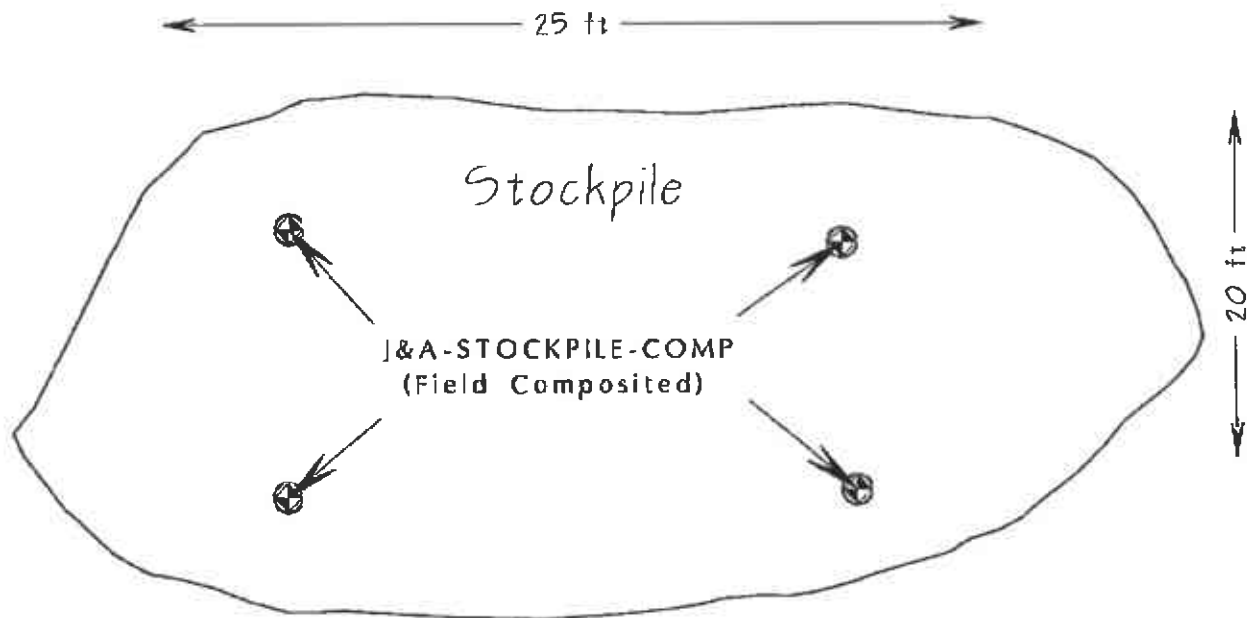
E.L.
9-1-95

Drawing Number

CLT212FJ&A-4

Figure J&A-4

J&A-Stockpile-Comp.			
August 30, 1995 sampling results:			
(mg/kg)		(ug/kg)	
TPH-Gasoline	160	BCRA Metals	
Benzene	ND(0.1)	Antimony	ND(1.0)
Toluene	ND(0.1)	Barium	39
Ethyl Benzene	ND(0.1)	Cadmium	0.5
Total Xylenes	2.4	Lead	17
TEPH	260	Selenium	ND(2.0)
ND(0.1) = Not detected above laboratory limit in gasolines.		Silver	ND(1.0)
		Mercury	0.05



LEGEND:

B1

⊗ Soil Sample

* One Composite Sample Analyzed

**Stockpile Sample Results
Former J & A Truck Repair**

Prepared for
Department of Transportation
District 4

Prepared by
JONAS & ASSOCIATES INC.

Drawn
by

E.I.
9-1-95

Drawing
Number

CLT212FJ&A-5

Figure J&A-5

Date: 9-1-95
Dimensions Appr.

Figure J&A-5

Drawing Number
CLT212FJ&A-5

CHROMALAB, INC.

Environmental Services (SDB)

September 8, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas
Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: 2 samples for Total Extractable Petroleum Hydrocarbons (TEPH) analysis.

Method: EPA 3550/8015M
Sampled: August 30, 1995

Matrix: SOIL
Run: 8338-K

Extracted: September 5, 1995
Analyzed: September 6, 1995

Spl #	Sample ID	Kerosene (mg/Kg)	Diesel (mg/Kg)	Motor Oil (mg/Kg)
101340	J&A-E-END-1	N.D.	N.D.	N.D.
101341	J&A-W-END-1	N.D.	N.D.	N.D.
For above sample: REPORTING LIMITS RAISED 10 TIMES DUE TO MATRIX INTERFERENCE.				
For above sample: Unknown hydrocarbons in the Diesel range, conc. = 98mg/Kg.				

Reporting Limits
Blank Result
Blank Spike Result (%)

10	10	100
N.D.	N.D.	N.D.
--	97	--


Kayvan Kimyai
Chemist


Ali Kharrazi
Organic Manager

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510-933-5362 09/07

NQC906 KAYVAN 09/03/95

05 739 P05

FAX NO: 510-484-1096

CHROMALAB INC

SEP-08-95 FRI 09:19 ID: CHROMALAB

10: JONAS & ASSOC

CHROMALAB, INC.

Environmental Services (SDB)

September 5, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

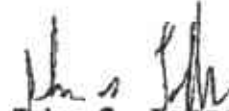
Project#: CLT-212

re: 2 samples for Lead analysis.
Method: EPA 3050A M/6010

Sampled: August 30, 1995

Matrix: SOIL
Run: 8280-DExtracted: August 31, 1995
Analyzed: August 31, 1995

Spl #	Sample ID	LEAD (mg/Kg)	REPORTING	BLANK	BLANK SPIKE
			LIMIT (mg/Kg)	RESULT (mg/Kg)	RESULT (%)
101340	J&A-E-END-1	3.0	1.0	N.D.	97
101341	J&A-W-END-1	5.9	1.0	N.D.	97


Doina Danet
Chemist

John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

September 7, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: 3 samples for Gasoline and BTEX analysis.
Method: EPA 5030/8015M/8020

Sampled: August 30, 1995

Matrix: SOIL
Run: 8290-1

Analyzed: August 31, 1995

Spl #	Sample ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
101337	J&A-STOCKPILE-COMP 160 For above sample:	160	N.D.	N.D.	N.D.	2400
101340	J&A-E-END-1	N.D.	N.D.	N.D.	N.D.	N.D.
101341	J&A-W-END-1 For above sample:	5500 ✓	40000	260000	100000	520000

Reporting Limits	1.0	5.0	5.0	5.0	5.0
Blank Result	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)	97	102	101	100	100

Billy Thach
Billy Thach
Chemist

Ali Kharrazi
Ali Kharrazi
Organic Manager

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Federal ID #88-0140157

10/20 295-02/07

#739 P02

FAX NO: 510-484-1096

CHROMALAB INC

SEP-08-95 FRI 09:18

TO: JONAS & ASSOC

9508447

CHROMALAB, INC.

Environmental Services (SOB)

September 5, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: 1 sample for Total Recoverable Petroleum Hydrocarbons analysis.
Method: EPA 418.1

Sampled: August 30, 1995

Matrix: SOIL
Run: 8299-C

Extracted: September 1, 1995
Analyzed: September 1, 1995

Sp1 #	Sample ID	TRPH (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
101337	J&A-STOCKPILE-COMP	760	10	N.D.	102

Carol House
Carol House
Extractions Supervisor

Ali Kharrazi
Ali Kharrazi
Organic Manager

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10/23/95 CHM 093223

510-933-5362 09/07

10/23/95

FRX NO: 510-84-1096

10/23/95 CHM 093223

SEP-08-95 FRI 09:17

JUNAS & ASSOC

CHROMALAB, INC.

Environmental Services (SOB)

September 6, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: One sample for CA Title 22 W.E.T. (STLC) Metals analysis.
Method: CA WET/EPA 3005A M/6010/7470

SampleID: J&A-STOCKPILE-COMP

Sample #: 101338

Matrix: SOIL

Extracted: September 5, 1995

Sampled: August 30, 1995

Run: 8315-D

Analyzed: September 5, 1995

Analyte	RESULT	REPORTING	BLANK	BLANK SPIKE
	(mg/L)	LIMIT	RESULT	RESULT
		(mg/L)	(mg/L)	(%)
ARSENIC	N.D.	0.5	N.D.	98
BARIUM	3.7	0.1	N.D.	98
CADMIUM	N.D.	0.1	N.D.	99
CHROMIUM	N.D.	0.5	N.D.	99
LEAD	2.4	0.5	N.D.	97
SELENIUM	N.D.	0.2	0.24	92
SILVER	N.D.	0.5	N.D.	102
MERCURY	N.D.	0.005	N.D.	102



Doina Danet
Chemist



John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

September 5, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romona Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: One sample for RCRA (8) Metals analysis.
Method: EPA 3050A M/6010/7471

SampleID: J&A-STOCKPILE-COMP
Sample #: 101337
Sampled: August 30, 1995

Matrix: SOIL
Run: 8281-D

Extracted: August 31, 1995
Analyzed: August 31, 1995

Analyte	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE RESULT (%)
ARSENIC	N.D.	1.0	N.D.	99
BARIUM	39	1.0	N.D.	98
CADMIUM	0.5	0.5	N.D.	95
CHROMIUM	17	1.0	N.D.	98
LEAD	13	1.0	N.D.	99
SELENIUM	N.D.	2.0	N.D.	100
SILVER	N.D.	1.0	N.D.	101
MERCURY	0.05	0.05	N.D.	106


Doina Danet
Chemist


John S. Labash
Inorganic Supervisor

CHROMALAB, INC.

Environmental Services (SOB)

September 7, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: 1 sample for Gasoline and BTEX analysis.
Method: EPA 5030/8015M/602/8020

Sampled: August 30, 1995

Matrix: WATER
Run: 8342-4

Analyzed: September 5, 1995

Spl #	Sample ID	Gasoline (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
101339	J&A-GW	32	5600	5100	63	5500
For above sample: Detection limit : BTEX=25 ug/l & gasoline=0.25 mg/l						

Reporting Limits	0.05	0.5	0.5	0.5	0.5
Blank Result	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)	97	108	108	111	110



Billy Thach
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Ali Kharrazi
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W-0025 JUNE 15, 2004

7339 P03

FAX NO: 510-484-1096

SEP-08-'95 FRI 09:18 ID: CHROMLAB INC

10: JUNE 8 1995

CHROMALAB, INC.

Environmental Services (SOB)

September 6, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas
Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

re: 1 sample for Total Extractable Petroleum Hydrocarbons (TEPH) analysis.

Method: EPA 3510/8015M
Sampled: August 30, 1995


Matrix: WATER
Run: 8336-K

Extracted: September 5, 1995
Analyzed: September 6, 1995

Spl #	Sample ID	Kerosene (ug/L)	Diesel (ug/L)	Motor Oil (ug/L)
101339	J&A-GW	N.D.	N.D.	N.D.
For above sample: DETECTION LIMIT INCREASED DUE TO MATRIX INTERFERENCE.				

Reporting Limits
Blank Result
Blank Spike Result (%)

500	500	5000
N.D.	N.D.	N.D.
--	76	--


Kayvan Kimyai
Chemist


Ali Kharrfazi
Organic Manager

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8739 P02

FAX NO: 510-484-1096

CHROMALAB INC

SEP-08 '95 FRI 09:17

JONAS & ASSOC

CHROMALAB, INC.

Environmental Services (SDB)

September 6, 1995

Submission #: 9508447

JONAS & ASSOCIATES, INC.

Atten: Romena Jonas

Project: J&A TRUCK REPAIR
Received: August 30, 1995

Project#: CLT-212

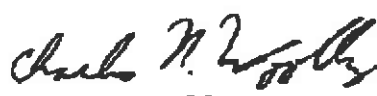
re: 1 sample for Lead analysis.
Method: EPA 3010A M/6010

Sampled: August 30, 1995

Matrix: WATER
Run: 8323-D

Extracted: September 5, 1995
Analyzed: September 5, 1995

Spl #	Sample ID	LEAD (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE RESULT (%)
101339	J&A-GW	0.11	0.01	N.D.	98


Charles Woolley
Chemist


John S. Labash
Inorganic Supervisor