

HK2, Inc./ SEMCO  
1751 Leslie Street  
San Mateo, CA 94402  
415-572-8033

415-572-9734 Fax

# facsimile transmittal

To: Juliet Shin Fax: (510) 337-9335  
 From: Mark Dyert Date: 11/21/96  
 Re: \_\_\_\_\_ Pages: 3  
 CC: \_\_\_\_\_

- Urgent     For Review     Please Comment     Please Reply     Please Recycle

Notes:

Analytical results from soil sampling  
on 11/8/96.

Thanks.

Mark.

Please let us know what the outcome  
of these results will be.

**CONFIDENTIAL**

NOV-21-96 10:40A North State Environmental 14155881960 P.03



# North State Environmental Analytical Laboratory

## Chain of Custody/Request for Analysis 96-827

Client: <b>HKA, Inc 15240</b>		Phone: <b>572-8033</b>		Report to: <b>HKA, Inc</b>			(415) 588- Turnaround		
Mailing Address: <b>1751 Healy St. San Mateo, CA 94402</b>				Billing to: <b>HKA, Inc.</b>			<input type="checkbox"/> 8 Hr <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 40 Hr <input type="checkbox"/> 5 Days Other		
Site Address: <b>743 Santa Clara Ave. Alameda</b>				PO # / Billing Reference: <b>96-0234.1</b>					
Sampler: <b>Mark Dyer +</b>			Date: <b>11/8/96</b>		ANALYSIS REQUESTED				
Sample ID:	Sample Description	Container # / type	Sampling Time / Date		TPH-D	TPH-C	BTEX	O-G	Remarks
	MID-well 1' (SOIL)	1 BRASS	11/8	10:15					
-1	MID-well 2' (SOIL)	1 BRASS	11/8	10:30	X		X		HOLD
-2	2-MID-well (SOIL)	1 BRASS	11/8	11:30	X		X		
	3-MID-well 10.5' (SOIL)	1 BRASS	11/8	11:45					
-3	4-MID-well 11.5' (SOIL)	1 BRASS	11/8	12:00	X		X		HOLD
					NOTE * Adjust for moisture content of sample.				
Relinquished by: <i>Mark Dyer</i>			Date: <b>3:50</b> Time: <b>11/11/96</b>		Received by: <i>Edward [Signature]</i>				
Relinquished by:			Date: Time		Received by:			Were samples Preserved ?	
Relinquished by:			Date: Time		Received in lab by			In good condition ?	

11/21/1996 14:50 4155729734 HKA INC SEMCO PAGE 02



**North State Environmental**  
 (Chemical Waste Disposal - Trucking - Consulting)

## CERTIFICATE OF ANALYSIS

Lab No:	96-827	Date Sampled:	11-08-96
Client:	Semco/ HK2	Date Analyzed:	11-14-96
Project:	743 Santa Clara Ave., Alameda	Date Reported:	11-21-96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020  
 Diesel range hydrocarbons by EPA method 8015M

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
96-827-01	MID-W @ 12' SOIL	Benzene	8020	ND
		Toluene	8020	0.015 mg/Kg
		Ethylbenzene	8020	0.068 mg/Kg
		Xylenes	8020	0.055 mg/Kg
		Diesel	8015M	1100 mg/Kg
96-827-02	2-MID-W @ 11' SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND
96-827-03	4-MID-N @ 11.5' SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND

### Quality Control/Quality Assurance Summary-Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.005 mg/Kg	ND	64	28
Toluene	8020	0.005 mg/Kg	ND	79	14
Ethylbenzene	8020	0.005 mg/Kg	ND	88	21
Xylenes	8020	0.010 mg/Kg	ND	91	23
Diesel	8015M	1 mg/Kg	ND	141	12

ELAP Certificate NO: 1753

Reviewed and Approved:

*John A. Murphy*  
 John A. Murphy, Laboratory Director

P.O. Box 5624 • South San Francisco, California 94083 • 415-588-2838 FAX 588-1950

**Facsimile Transmittal**

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**HK2, Inc. / SEMCO**

415-572-8033

415-572-9734

1751 Leslie Street  
San Mateo, California 94402

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Date:

12-12-96

(510) 337-9335

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Attention:

Juliet Shin.

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From:

Mark Dysert

---

Number of pages (including this cover):

3

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Comment(s):

The lab just fixed me these results.  
There is some change in the numbers  
when they adjusted for moisture content  
I'm working on getting a report out for this project  
Thanks, Mark.

P.S. Have a great holiday.

Reply requested:  Yes  No



# North State Environmental Analytical Laboratory

## Chain of Custody/Request for Analysis 96-827

(415) 588-9652

Client: <i>HK2, Inc / SEMCO</i>		Phone: <i>572-9033</i>		Report to: <i>HK2, INC</i>			Turnaround Time			
Mailing Address: <i>1751 Healy St. San Mateo, CA 94402</i>				Billing to: <i>HK2, Inc.</i>			8 Hr. <input type="checkbox"/>	24 Hr. <input checked="" type="checkbox"/>		
Site Address: <i>743 Santa Clara Ave. Alameda</i>				PO # / Billing Reference: <i>96-0234.1</i>			40 Hr. <input type="checkbox"/>	5 Days <input type="checkbox"/>		
Sampler: <i>Mark Dyser</i>		Date: <i>11/8/96</i>		Other <input type="checkbox"/>						
Sample ID	Sample Description	Container # / type	Sampling Time/Date	ANALYSIS REQUESTED						Remarks
				TPH-D	TPH-G	BTEX	O-C			
	<i>MID-WELL 11' (SOIL)</i>	<i>1 BRASS</i>	<i>11/6 10:15</i>							<i>HOLD</i>
<i>-1</i>	<i>MID-WELL 12' (SOIL)</i>	<i>1 BRASS</i>	<i>11/6 10:30</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
<i>-2</i>	<i>2-MID-WELL (SOIL)</i>	<i>1 BRASS</i>	<i>11/6 11:30</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
	<i>3-MID-NE 10.5' (SOIL)</i>	<i>1 BRASS</i>	<i>11/8 11:25</i>							<i>HOLD</i>
<i>-3</i>	<i>4-MID-NE 11.5' (SOIL)</i>	<i>1 BRASS</i>	<i>11/8 12:00</i>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
				<p>NOTE</p> <p>* Adjust for moisture content of sample.</p>						
Relinquished by: <i>Mark Dyser</i>		Date: <i>3:50</i> Time: <i>11/11/96</i>		Received by: <i>Edward [Signature]</i>			Yes No			
Relinquished by:		Date: Time:		Received by:			Were samples Preserved ?			
Relinquished by:		Date: Time:		Received in lab by:			In good condition ?			



**North State Environmental**  
 Chemical Waste Disposal • Trucking • Consulting

## CERTIFICATE OF ANALYSIS

Lab No:	96-827	Date Sampled:	11-08-96
Client:	Semco/ HK2	Date Analyzed:	11-14-96
Project:	743 Santa Clara Ave., Alameda	Date Reported:	11-21-96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020  
 Diesel range hydrocarbons by EPA method 8015M

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
96-827-01	MID-W @ 12' SOIL	Benzene	8020	ND
		Toluene	8020	0.015 mg/Kg
		Ethylbenzene	8020	0.070 mg/Kg
		Xylenes	8020	0.056 mg/Kg
		Diesel	8015M	1100 mg/Kg
96-827-02	2-MID-W @ 11' SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND
96-827-03	4-MID-N @ 11.5' SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND

Quality Control/Quality Assurance Summary-Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.005 mg/Kg	ND	64	28
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Xylenes	8020	0.010 mg/Kg	ND	91	23
Diesel	8015M	1 mg/Kg	ND	141	12

ELAP Certificate NO: 1753

Reviewed and Approved:

\_\_\_\_\_  
 John A. Murphy, Laboratory Director

SITE SAFETY PLAN  
FOR  
UNDERGROUND STORAGE TANK  
REMOVAL/CLOSURE

JOBSITE ADDRESS

743 SANTA CLARA AVENUE  
ALAMEDA, CALIFORNIA

HK2, INC. / SEMCO

1751 LESLIE STREET  
SAN MATEO, CALIFORNIA 94402

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### INTRODUCTION

SEMCO has adopted the following Health & Safety Plan and procedures for the removal and/or closure of underground petroleum storage tanks and associated activities. The purpose of this plan is to provide health and safety guidelines to be adhered to while all work is in progress.

All personnel involved with the tank removal or associated activities will have an assigned responsibility. The outlined responsibilities will establish standards for personnel protective wear and safety procedures, and will provide for emergency actions which could arise during project operations.

## SCOPE OF WORK

## 1.0 Scope of Work:

The tanks will be purged of all remaining residues, and these residues will be stored on site in a 55 gallon approved drum until they are hauled away or pumped out for disposal by a certified hazardous materials hauler.

The tanks will be inerted with a minimum of 20 lbs of dry ice per 1,000 gallons of tank capacity. More ice will be added if necessary to displace the oxygen in the tank to a concentration level below the OSHA approved lower explosive limit. This will be achieved by using a Gastech 1314. When this level is obtained, the tank will be removed, and samples will be collected per the approved work plan.

## 1.1 Responsibilities of Other Agencies if Present:

- a. The Environmental Health Department is responsible for approval and inspection of procedures, including tank removal, sample procurement and integrity of work plan.
- b. The Fire Department is responsible for inspections relative to safe procedures and conditions of tank prior to removal.

**HAZARDS, SPECIAL PRECAUTIONS****2.0 Hazards, Special Precautions:****2.1 Special Precautions:**

During the course of underground storage tank removal, workers could be exposed to petroleum hydrocarbon vapors, liquids, or other wastes. The following precautions will be observed by all individuals engaged in the tank removal activity.

**2.1.1 Toxicity Considerations, Petroleum Substances:**

All individuals should be aware of appropriate health precautions. When high concentrations of petroleum hydrocarbon vapors are inhaled, symptoms of intoxication may result. These symptoms range from simple dizziness to unconsciousness. Care will be exercised to minimize exposure to these substances when they are present. Avoid skin contact with petroleum substances whenever possible. Use soap and water to remove any petroleum product that contacts skin.

**2.1.2 Flammability and Combustibility Consideration:**

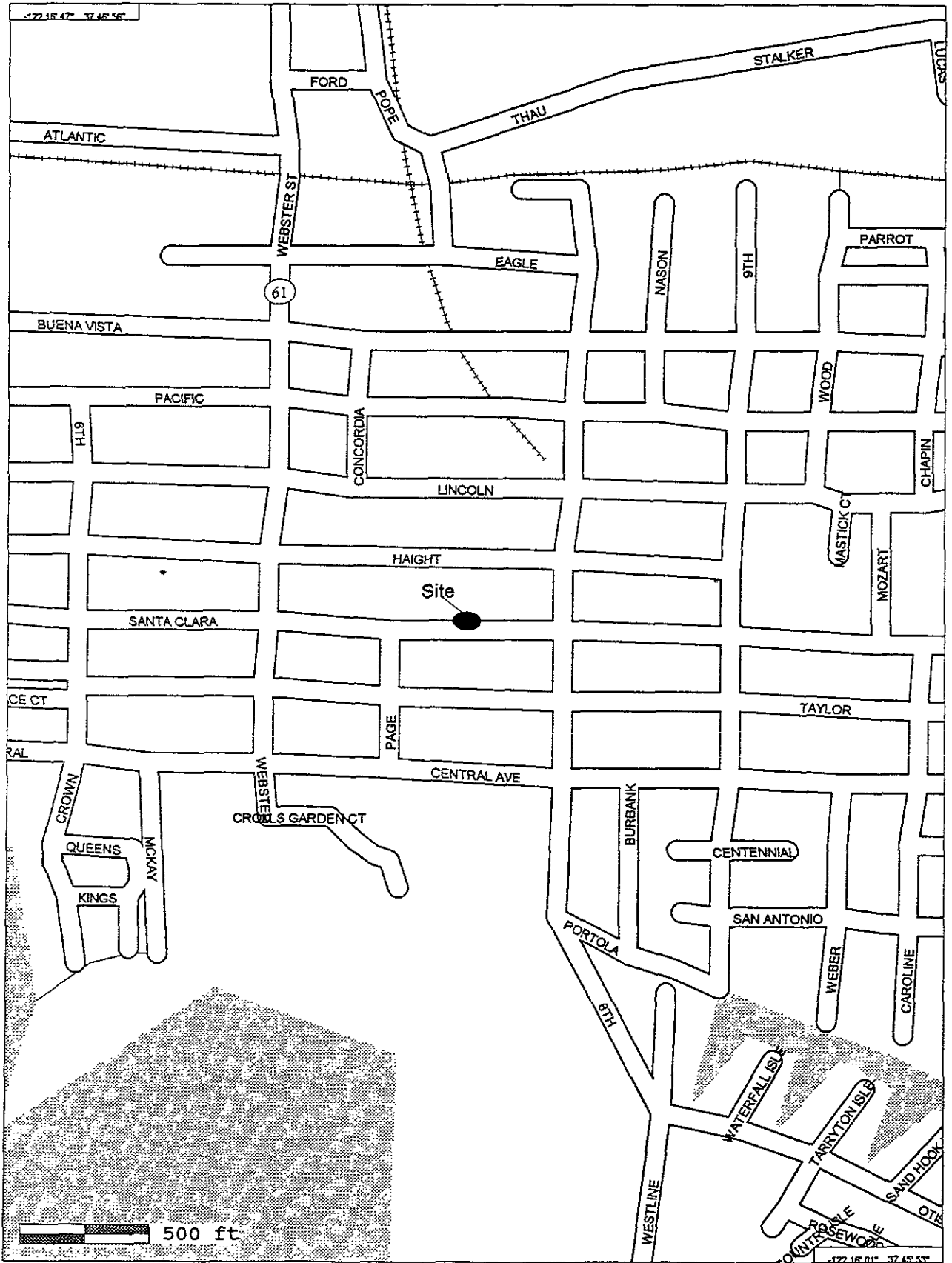
Flammable and combustible vapors are likely to be present in the work area. Precautions will be taken to eliminate all potential sources of ignition to prevent the discharge of static electricity during venting, and to prevent the accumulation of vapors.

**2.1.3 Physical Considerations:**

During the excavation of underground storage tanks, some physical hazards can be present in the form of large holes, exposed piping, debris piles, and excavation equipment. All workers will be aware of these hazards and take all necessary actions to eliminate accidents. The excavated area will be appropriately marked and barricaded at all times.

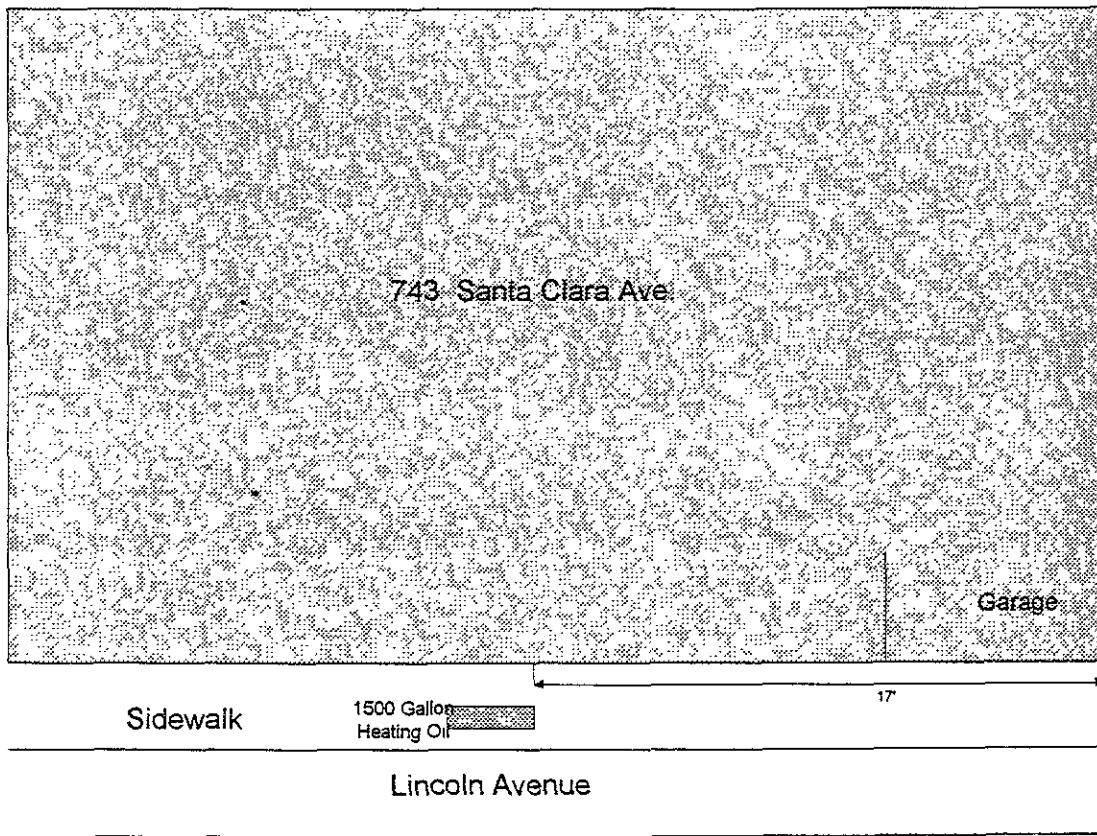
JOBSITE VICINITY MAP

3.0 Jobsite Vicinity Map



SITE MAP

4.0 Site Map



Not To Scale

HK2, INC./ SEMCO  
1751 Leslie Street  
San Mateo, California  
94402

William Sheehan  
743 Santa Clara Avenue  
Alameda, California

## PERSONNEL

## 5.0 PERSONNEL

## SEMCO Employees

## 5.1 Project Manager

- Manages field operations.
- Ensures the Work Plan is completed on schedule.
- Briefs the field teams on their specific assignments.
- Participates in the preparation of the Site Safety Plan.
- Serves as a liaison with public officials.

## 5.2 Site Safety Officer

- Implements and enforces the Site Safety Plan.
- Assures that all on-site personnel have received a copy of the Site Safety Plan, have read it and understand it.
- Conducts frequent inspections of site conditions, facilities, equipment, and activities to determine if the Site Safety Plan is adequate and being followed.
- Conducts daily "tailgate" meetings to explain the plan of work for the day and to mention potential hazards of the site.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Knows emergency procedures, excavation route, and notifies local emergency services when necessary.
- Notifies the Health and Safety Manager of all accidents and injuries that occur on site.

## 5.3 On-Site Personnel

- Are required to document their full understanding of the Site Safety Plan before starting work by signing that they have read the Site Safety Plan and understand it.
- Complies with the Site Safety Plan.
- Notifies the Site Safety Officer of unsafe conditions.
- On-Site employees are held responsible to perform only those tasks for which they believe they are qualified and in their opinion are safe.

LEVEL D: Safety Glasses  
Steel Toe Shoes  
Hard Hats  
Uniform shirt/pants

LEVEL C: Safety Glasses or Goggles w/side shields  
Hard Hats  
Steel Toe Safety Shoes  
Half or Full Face Respirator with Organic Vapor Cartridge  
Tyvek or Ploy-Coated Tyvek

**EMERGENCY SERVICES**

## 6.0 Emergency Service

## 6.1 Persons to contact in case of emergency:

- a. PROJECT MANAGER  
Name: Chuck Kiper  
Phone: (415) 572-8033  
(415) 860-8221 Mobile  
(415) 377-8660 Pager
- b. CLIENT CONTACT  
Name: William Sheehan  
Phone: 510-522-0978
- c. SITE CONTACT  
Name: Chuck Kiper  
415-572-8033
- d. SITE SAFETY OFFICER
- e. Chuck Kiper or \_\_\_\_\_  
Phone: (415) 572-8033
- e. HEALTH & SAFETY COORDINATOR  
Name: Stan Klemetson  
Phone 415-572-8033

Hospital In Area: Summit Medical Center  
510-655-4000 3100 Summit Street  
Oakland, California

## 6.3 Emergency Routes

See Hospital Route Map, Page 10

6.4 Ambulance: Dispatch Service  
510- 657-0777

## 6.5 Fire Prevention:

Alameda Fire Department  
510-748-4601

## 6.6 Fire Department:

SAME

## 6.7 A First Aid Kit will be on site.

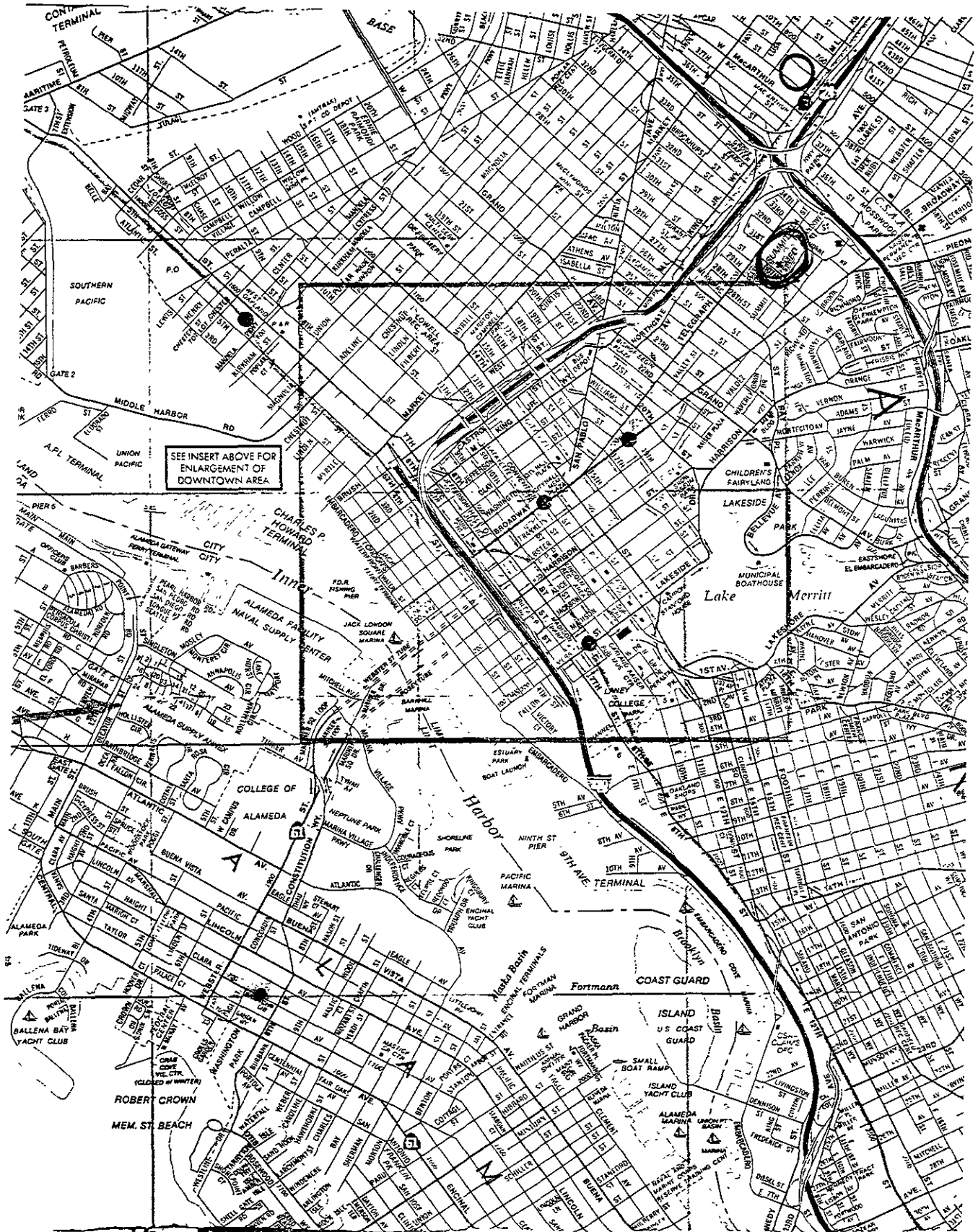
## 6.8 Barricades:

Job site will be barricaded off and construction tape will be used around working area, when work area is left unattended.

## 6.9 Fire Extinguishers will be present on site.

HOSPITAL ROUTE MAP

7.0 Hospital Route Map





## CONTINGENCY PLAN

## 8.0 Contingency Plan:

If an injury occurs, the following action will be taken:

- Medical attention for the injured person immediately.
- Notify the Site Safety Officer.
- Depending on the type and severity of the injury, SEMCO's occupational physician will be notified.
- The injured person's personnel office will be notified.
- An incident report will be prepared. The Site Safety Officer will be responsible for its preparation and submittal to the Health and Safety Director and corporate personnel office within 24 hours.
- The Site Safety Officer will assume charge during a medical emergency.
- EMERGENCY ROUTES--see Hospital Route Map, Page 10.

**SAFETY EQUIPMENT**

9.0 Safety Equipment

9.1 As a minimum, the following equipment will be on site:

LEL Meter - Gastech 1314

O/M Meter

OSHA - Approved First Aid Kit

40BC Fire Extinguisher

Half Face Respirator with Organic Vapor Cartridges

**SAFETY TRAINING**

10.0 Safety Training

SEMCO's field employees have received their certificates of training as required by OSHA-SARA agencies, with refresher courses as needed.

**MEDICAL MONITORING**

11.0 Medical Monitoring

SEMCO requires all Class I truck drivers to have a mandatory physical once a year. SEMCO supplies health insurance to all employees and administers random and mandatory drug and alcohol testing.

12.0 Signatures & Acknowledgments:

I acknowledge having read and understand the preceding Health & Safety Plan:

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Signature Date

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