ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 14, 2003

Mr. Melguides F. Antonia D. Joscon
3110 Raleigh Ct.
Fremont, CA 94555

Subject: Fuel Leak Site Case Closure, Jascon Automotive Electric 17771 Meekland Ave., Hayward, CA,Case No.RO0000021;Underground Storage Tank Cleanup Fund No.

Dear Mr. Joscon:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual soil pollution remains in place at this site.
- Analysis for Nickel was not performed on soil samples at the waste oil tank.

If you have any questions, please call Amir K. Gholami at (510) 567-6876. Thank you.

Sincerely,

Donna L. Drogos, P.E.
Supervising Hazardous Materials Specialist
Underground Storage Tank Local Oversight Program

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

cc: Mr. Roger Breweer (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Hugh Murphy (w/enc)
City of Hayward
Hazardous Material Office
777 B Street
Hayward, CA 94541

Mr. Toro Okamoto (w/enc)
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

(Amir Gholami) (w/orig enc), R. Garcia (w/enc)

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3110 Raleigh Ct.
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Subject: Fuel Leak Site Case Closure, Jascon Automotive Electric 17771 Meekland Ave., Hayward, CA,Case No.RO0000021;Underground Storage Tank Cleanup Fund No.

Dear Mr. Joscon:

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director
Alameda County Environmental Health

Alameda County Environmental Health

CASE CLOSURE SUMMARY
UNDERGROUND FUEL STORAGE TANK LOCAL OVERSIGHT PROGRAM

Date: 12/24/2002

I. AGENCY INFORMATION

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94541	Phone: (510) 567-6876
Responsible Staff Person: Amir K.Gholami	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Jascon Automotive Electric		
Site Facility Address: 17771 Meekland Ave., Hayward, CA 94555		
RB LUSTIS Case No.: ---	Local Case No.: 3573	LOP Case No.: RO0000021
URF Filing Date:	SWEEPS No.: ---	APN: 413-0059-040-04

Responsible Parties	Addresses	Phone Number
Melguides F. Antonia D. Joscon	3110 Raleigh Ct., Fremont, CA 94555	

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	3,000	Gasoline	Removed: disposed at Erickson, Richmond, CA	1/03/1991
2	3,000	Gasoline	Removed: disposed at Erickson, Richmond, CA	1/03/1991
3	5,000	Gasoline	Removed: disposed at Erickson, Richmond, CA	1/03/1991
4	300	Waste Oil	Removed: disposed at Erickson, Richmond, CA	1/03/1991
Piping			Removed	1/03/1991

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Unknown		
Site characterization complete? Yes	Date Approved By Oversight Agency: ----	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes*
Highest GW Depth Below Ground Surface: 15.5'	Lowest Depth: 20.04'	Flow Direction: South-Southeast
Most Sensitive Current Use: Potential Drinking water source, land use surrounding the site is predominately residential and light industrial.		

*MWs screened from 19'-24' BGS. Screens submerged by up to 3.5' of water during two of the four sampling events.

Summary of Production Wells in Vicinity: Summary of Production Wells in Vicinity: There are several 27domestic and irrigation wells identified within 2000 feet of the site:

- 03S02w18B4, 03S02W18F3, and 03S02W18F2, two irrigation wells and an abandoned well respectively, located downgradient, south to southwest.
- 03S02W18J7, an irrigation well, down gradient, southwest.
- Irrigation wells identified 03S02W18K1 & 03S02W18K3, both irrigation wells, down-gradient- southwest.
- 03S02W18G14, and 03S02W18G1, both irrigation wells, down-gradient-southwest.

These wells do not appear to be receptors due to their distance and location to the site.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest SW Name: San Lorenzo Creek about 1500 feet north
Off-Site Beneficial Use Impacts (Addresses/Locations): none identified	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health & Hayward Fire Department

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	2 USTs @ 3,000, 1 @5,000, and 1 @ 300 gallons	Disposed at Erickson, Richmond, CA	1/04/1998
Piping	Not reported	Not reported assumed disposed with UST	1/04/1998
Free Product	Not reported	----------	----------
Soil	Not reported	----------	----------
Groundwater	Not reported	----------	----------

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONSCBEFORE AND AFTER CLEANUP
(Please see Attachments for additional information on contaminant locations and concentrations)

	Soil (ppm)		Water (ppb)			Soil (ppm)		Water (ppb)	
Contaminant	Before	After	Before	After	Contaminant	Before	After	Before	After
TPH (Gas)	410	410	ND	290	Benzene	0.024	0.024	ND	10
TPH (Diesel)	57	57	ND	—	Toluene	1.3	1.3	ND	12
Oil & Grease	<50	<50	ND	—	Ethyl Benzene	2.9	2.9	ND	12
Heavy Metals	40*	40*	ND	—	Xylene	18	18	ND	59
Other (8010)	ND	—	—	—	MTBE	—	—	—	2

*0.8 ppm Cd, 29 Cr, <10 ppm Pb, 40 ppm Zn

Site History and Description of Corrective Actions:

This property was previously developed as a Sunland Service Station in 1974. However, the site is currently being used as an auto repair facility within unincorporated section of Hayward. There are residential as well as industrial facilities in the vicinity. Below listed is the chronology of events, which took place at this facility:

January 1990: Removed two 3,000-gallon, one-5,000 gallon, and one 300-gallon USTs, along with associated pipings, installed in the 1970s. Soil samples were collected at 14.5' and 15' below ground surface (bgs). There were contamination present in soil samples. Up to 410 ppb TPHG and 24 ppb Benzene detected. Groundwater was not encountered during the UST excavation.

June 1992 – Four soil borings MW-1 through MW-3 and SB-21 were completed to depths of 10' to 30' bgs. MW-1 through MW-3 were completed to a depth of 30' bgs was converted to MW-1 to MW-3 and were screened from 19' – 29' bgs. Soil samples were taken at 5 to 6.5, 10 to 11.5, and 15 to 16.5 feet bgs. Water samples were also taken. All of the soil and or groundwater samples indicated below laboratory detection limits for TPHg, TPHd and BTEX. The exploratory borings revealed unconsolidated alluvial deposits consisting primarily of clay and silt with occasional layers of poorly-sorted fine sand to silty sand. The upper 8 to 15 feet of the soil column consists of clayey silt overlaying 15 to 22 feet of interbedded silty sand and sitly clay. Groundwater was encountered at 19 to 20 bgs flowing in a Southerly direction.

August 1994 thorough February 1995 – Quarterly groundwater monitoring performed and indicated below laboratory detection limits for TPHg, TPHd and BTEX.

February 11, 2002 - Groundwater analysis of MW-3 well indicated 290ppb, 10ppb, 12ppb,12ppb, 59ppb, and 2ppb of TPH-g, Benzene, Toluene, Ethyl-Benzene, Total Xylene, and MTBE respectively.

February 27, 2002 – All three monitoring wells, MW-1 thorough MW-3 were destroyed.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes, No		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes, No		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a risk to human health.		
Site Management Requirements: Case closure for this fuel leak site ganted for commercial land use of this property only. If a change in land occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated.		
Should corrective action be reviewed if land use changes? Yes		
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 3	Number Retained: None
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

V. ADDITIONAL COMMENTS, DATA, ETC.

Considerations and/or Variances:

- Analysis for Nickel not performed on soil samples at the waste oil tank.
- Residual soil pollution remains in place at this site.

Conclusion: Alameda County Environmental Health staff believe that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment under the current commercial land uses (automotive repair facility) based upon the information available in our files to date. Residual soil and groundwater contamination in vicinity of former USTs appears localized and attenuating. ACEH staff recommend closure for this site.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Amir K. Gholami	Title: Hazardous Materials Specialist
Signature:	Date: 12/24/02
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature:	Date: 12/24/02

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Roger Brewer	Title: Associate Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 12/30/02
Signature:	Date: 1/3/03

Attachments:

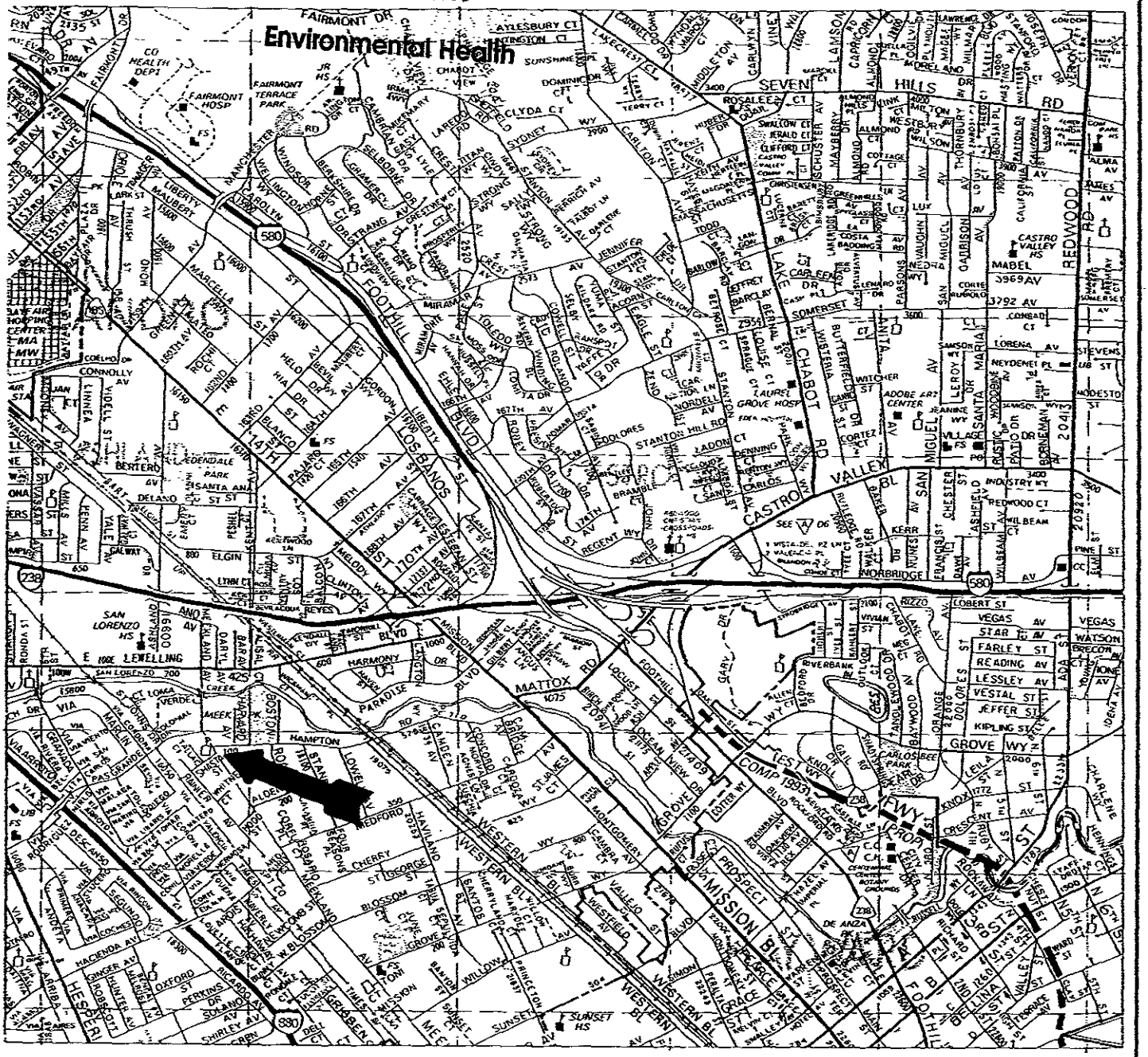
1 Site Vicinity Map
2 Monitoring Well and Soil Boring Location Map (2 pages)
3 Soil Analytical Results (6 pages)
4 Monitoring Well Analytical Results
5 Depth to Water Measurements
6 Soil and Water Analytical Results (2 pages)
7 Monitoring Well Construction
8 Monitoring Well Boring Logs (3 pages)

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

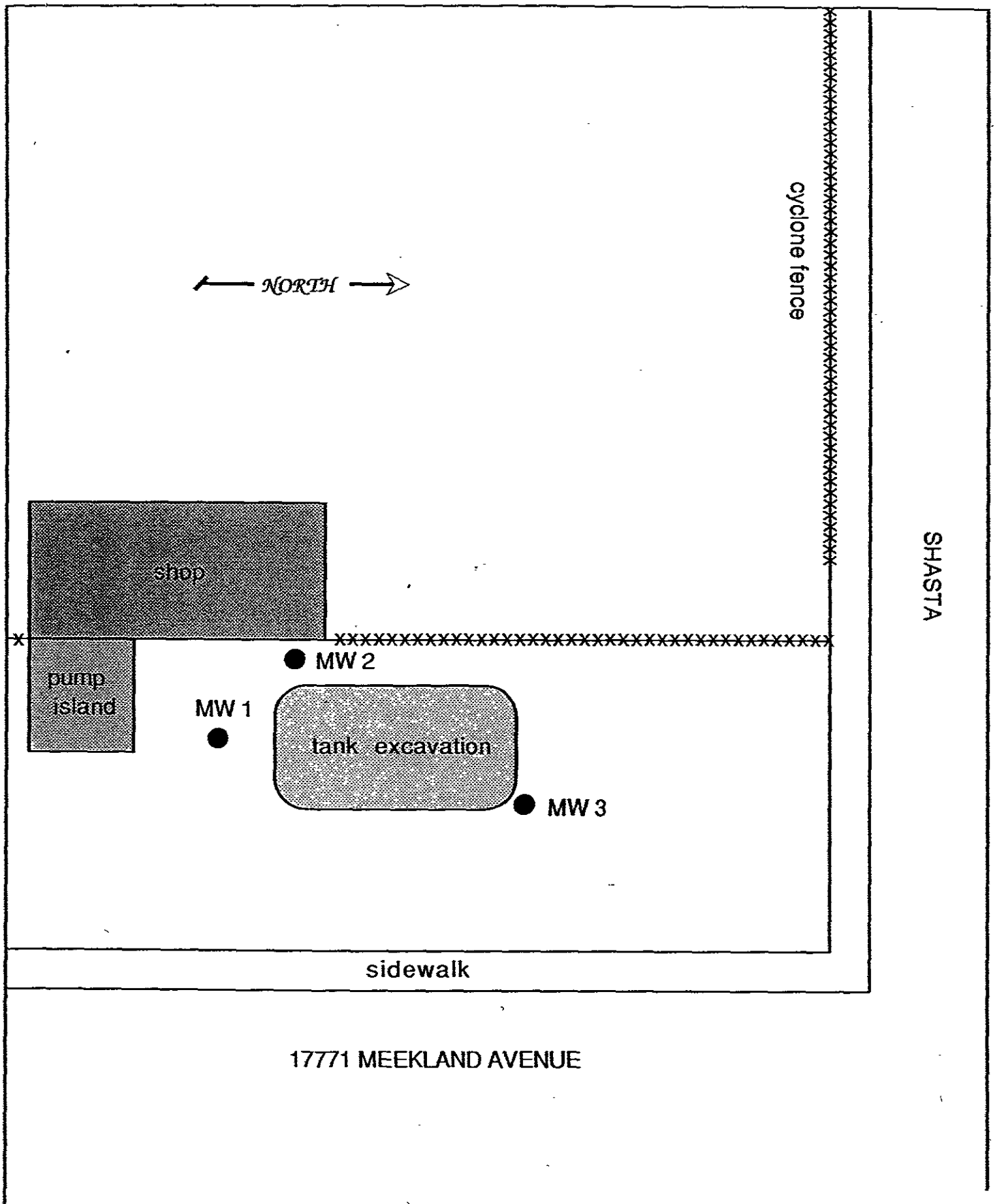
Alameda County

JAN 0 9 2003

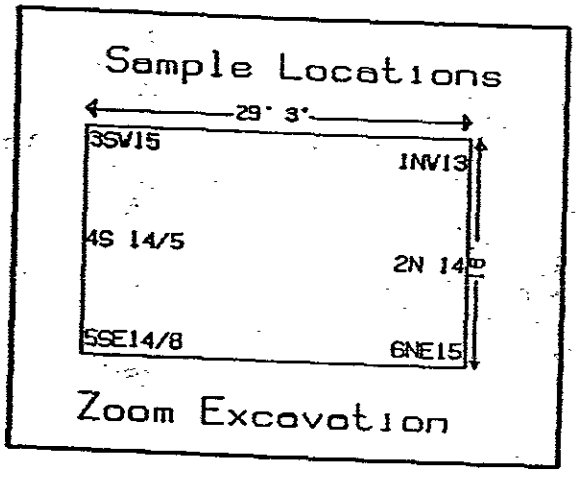
Environmental Health

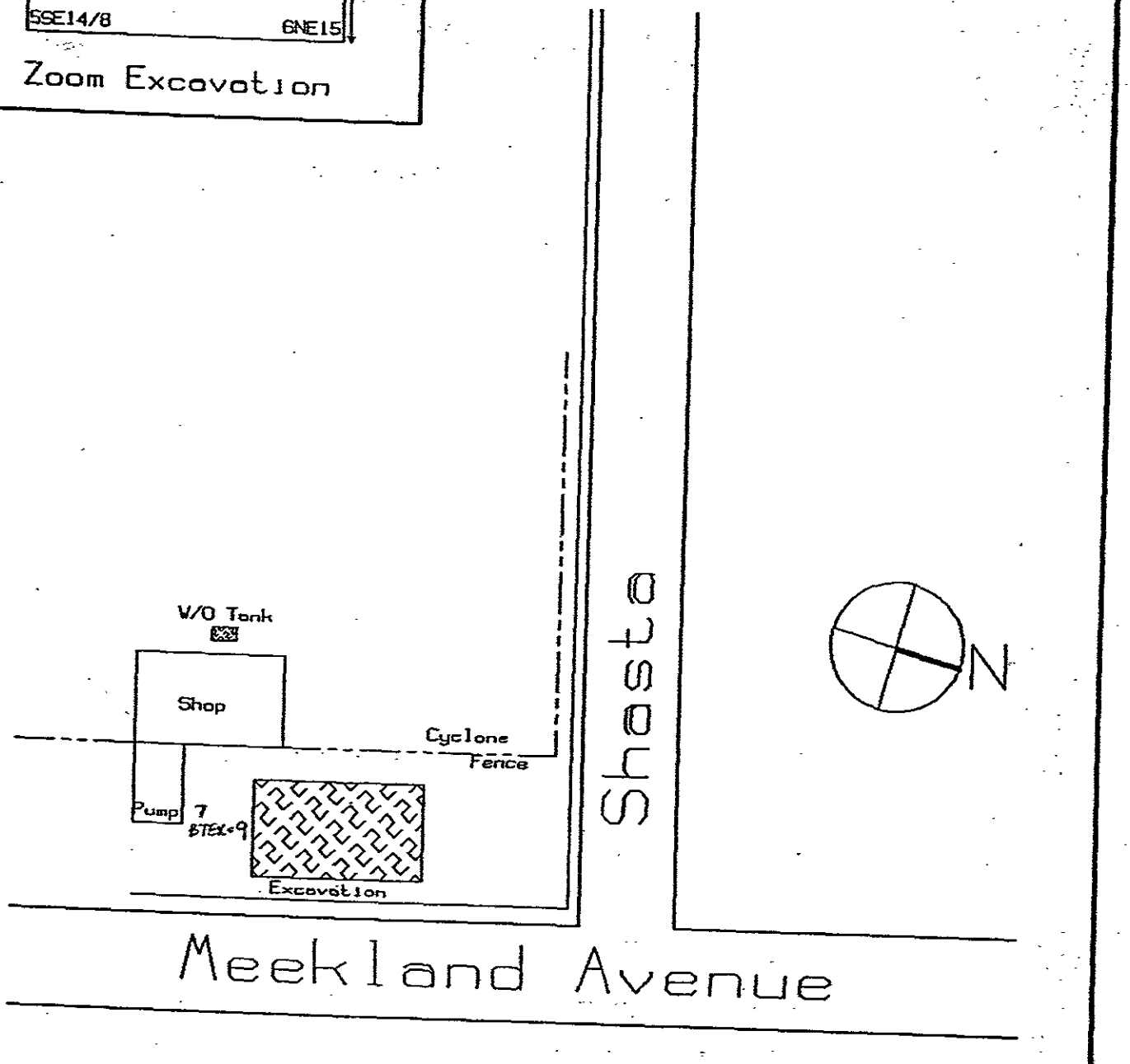


AUGEAS CORPORATION	Figure 1- Site Location Map Jocson Auto Electrical, Hayward, CA	ATTACHMENT 1



AUGEAS CORPORATION	**Figure 2**- Proposed Monitoring Well Locations	ATTACHMENT 2
	Jocson Auto Electric, Hayward, CA	06/03/92





Augeas Corporation	
Plot Plan Jocson Auto Electric 17771 Meekland, Hayward, CA	
jte	1/4/91

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82220
CLIENT: SEMCO
CLIENT JOB NO.: 17771 MEEKLD

DATE RECEIVED: 01/04/91
DATE REPORTED: 01/11/91

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration (ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
1	1 NW 13'	4	ND<3	5	14
2	2 N 14'	ND<3	19	20	130
3	3 SW [illegible]	24	ND<3	10	23
4	4 S [illegible]	ND<30	1300	2900	18000
5	5 SE 14'8"	ND<3	3	ND<3	4
6	6 NE 15'	ND<3	5	ND<3	4
7	7 PIPE 2'1"	ND<3	9	ND<3	ND<3
8	8 WO 8'	ND<3	3	ND<3	ND<3

ug/Kg - parts per billion (ppb)

Method Detection Limit in [illegible]: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 102%: Duplicate RPD = <2

Richard Srna, Ph.D.

Laboratory Manager

ATTACHMENT 3

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82220
CLIENT: SEMCO
CLIENT JOB NO.: 17771 MEEKLD

DATE RECEIVED: 01/04/91
DATE REPORTED: 01/11/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	1 NW 13'	ND<1
2	2 N [redacted]	7
3	3 SW 15'	ND<1
4	4 S [redacted]	410
5	5 SE 14'8"	ND<1
6	6 NE 15'	ND<1
7	7 PIPE 2'1"	ND<1
8	8 WO 8'	ND<1

mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in [redacted]: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = <15
MS/MSD Average Recovery = 100%: Duplicate RPD = 4

Richard Srna, Ph.D.

Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82220
CLIENT: SEMCO
CLIENT JOB NO.: 17771 MEEKLD

DATE RECEIVED: 01/04/91
DATE REPORTED: 01/11/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 8015

LAB #	Sample Identification	Concentration (mg/Kg) Diesel Range
1	1 NW 13'	ND<10
2	2 N 14'	ND<10
3	3 SW 16'	ND<10
4	4 S [illegible]	57*
5	5 SE 14'8"	ND<10
6	6 NE 15'	ND<10
7	7 PIPE 2'1"	ND<10
8	8 WO 8'	ND<10

* Non-typical diesel pattern.

Method Detection Limit for Diesel in [illegible]: 10 mg/Kg

QAQC Summary:

Daily Standard run at 200mg/L: RPD Diesel = 10
MS/MSD Average Recovery = 102%: Duplicate RPD = 2

Richard Srna, Ph.D.

Laboratory Manager

SUPERIOR ANALYTICAL LABORATORIES, INC.
825 ARNOLD, STE. 114 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512
DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82220
CLIENT: SEMCO
CLIENT JOB NO.: 17771 MEEKLD

DATE RECEIVED: 01/04/91
DATE REPORTED: 01/11/91

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD & ZINC
by EPA SW-846 Methods 7130, 7190, 7420, 7950 Respectively

LAB #	Sample Identification	Concentration (mg/Kg) Cadmium	Chromium	Lead	Zinc
8	8 [redacted] 8'	0.8	29	ND<10	40

mg/Kg - parts per million (ppm)

Method Detection Limit for Cadmium in Soil: 0.6 mg/Kg
Method Detection Limit for Chromium in Soil: 6 mg/Kg
Method Detection Limit for Lead in Soil: 10 mg/Kg
Method Detection Limit for Zinc in Soil: 0.2 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 90%
Duplicate RPD : 4

Richard Srna, Ph.D.

Laboratory Manager

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DOHS #319
DOHS #220

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 82220
CLIENT: SEMCO
CLIENT JOB NO.: 17771 MEEKLD

DATE RECEIVED: 01/04/91
DATE REPORTED: 01/11/91

ANALYSIS FOR TOTAL OIL AND GREASE
by Standard Method 5520F

LAB #	Sample Identification	Concentration (mg/Kg) Oil & Grease
8	8 WO 8'	ND<50

mg/Kg - parts per million (ppm)

Method Detection Limit for Oil and Grease in Soil: 50mg/Kg

QAQC Summary: Duplicate RPD : 11
MS/MSD Average Recovery : 73%

Richard Srna, Ph.D.

Laboratory Director

SUPERIOR ANALYTICAL LABORATORY, INC.
1555 BURKE, UNIT I · SAN FRANCISCO, CA 94124 · PHONE (415) 647-2081

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 52985-1
CLIENT: Semco
JOB NO.: 17771MECKLND

DATE SAMPLED: 01/04/91
DATE RECEIVED: 01/04/91
DATE ANALYZED: 01/09/91

EPA SW-846 METHOD 8010
HALOGENATED VOLATILE ORGANICS
SAMPLE:8W0 8'

Compound	MDL (ug/kg)	RESULTS (ug/kg)
Chloromethane/Vinyl Chloride	10	ND
Bromomethane/Chloroethane	10	ND
Trichlorofluoromethane	5	ND
1,1-Dichloroethene	5	ND
Methylene Chloride	5	ND
trans-1,2-Dichloroethene	5	ND
1,1-Dichloroethane	5	ND
Chloroform	5	ND
1,1,1-Trichloroethane	5	ND
Carbon tetrachloride	5	ND
1,2-Dichloroethane	5	ND
Trichloroethylene	5	ND
1,2-Dichloropropane	5	ND
Bromodichloromethane	5	ND
Cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
1,1,2-Trichloroethane	5	ND
Tetrachloroethene	5	ND
Dibromochloromethane	5	ND
Chlorobenzene	5	ND
Bromoform	5	ND
1,1,2,2-Tetrachloroethane	5	ND
1,3-Dichlorobenzene	5	ND
1,2-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND
Cis-1,2-Dicloroethene	5	ND

MDL = Method Detection Limit
ug/kg = parts per billion (ppb)
QA/QC Summary: Daily Standard RPD = <15
MS/MSD average recovery = 86 % :MS/MSD RPD =< 2 %

Richard Srna, Ph.D.
Laboratory Director

OUTSTANDING QUALITY AND SERVICE

Table 1

Summary of Analytical Results

Soil Samples

Boring No.	Fuel Hydrocarbons mg/kg	Benzene µg/kg	Toluene µg/kg	Ethyl benzene µg/kg	Xylenes µg/kg
MW-1-10'	ND	ND	ND	ND	ND
15'	ND	ND	ND	ND	ND
20'	ND	ND	ND	ND	ND
25'	ND	ND	ND	ND	ND
30'	ND	ND	ND	ND	ND
MW-2-10'	ND	ND	ND	ND	ND
15'	ND	ND	ND	ND	ND
20'	ND	ND	ND	ND	ND
25'	ND	ND	ND	ND	ND
30'	ND	ND	ND	ND	ND
MW-3-10'	ND	ND	ND	ND	ND
15'	ND	ND	ND	ND	ND
20'	ND	ND	ND	ND	ND
25'	ND	ND	ND	ND	ND
30'	ND	ND	ND	ND	ND
SB-1-10'	ND	ND	ND	ND	ND
15'	ND	ND	ND	ND	ND
20'	ND	ND	ND	ND	ND

TABLE 2

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

(ppb[1])

Sample ID Name	Date	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes
MW-1	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
MW-2	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
MW-3	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
MW-4[2]	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5

[1] PARTS PER BILLION

[2] TRIP BLANK

TABLE 1
GROUNDWATER ELEVATION

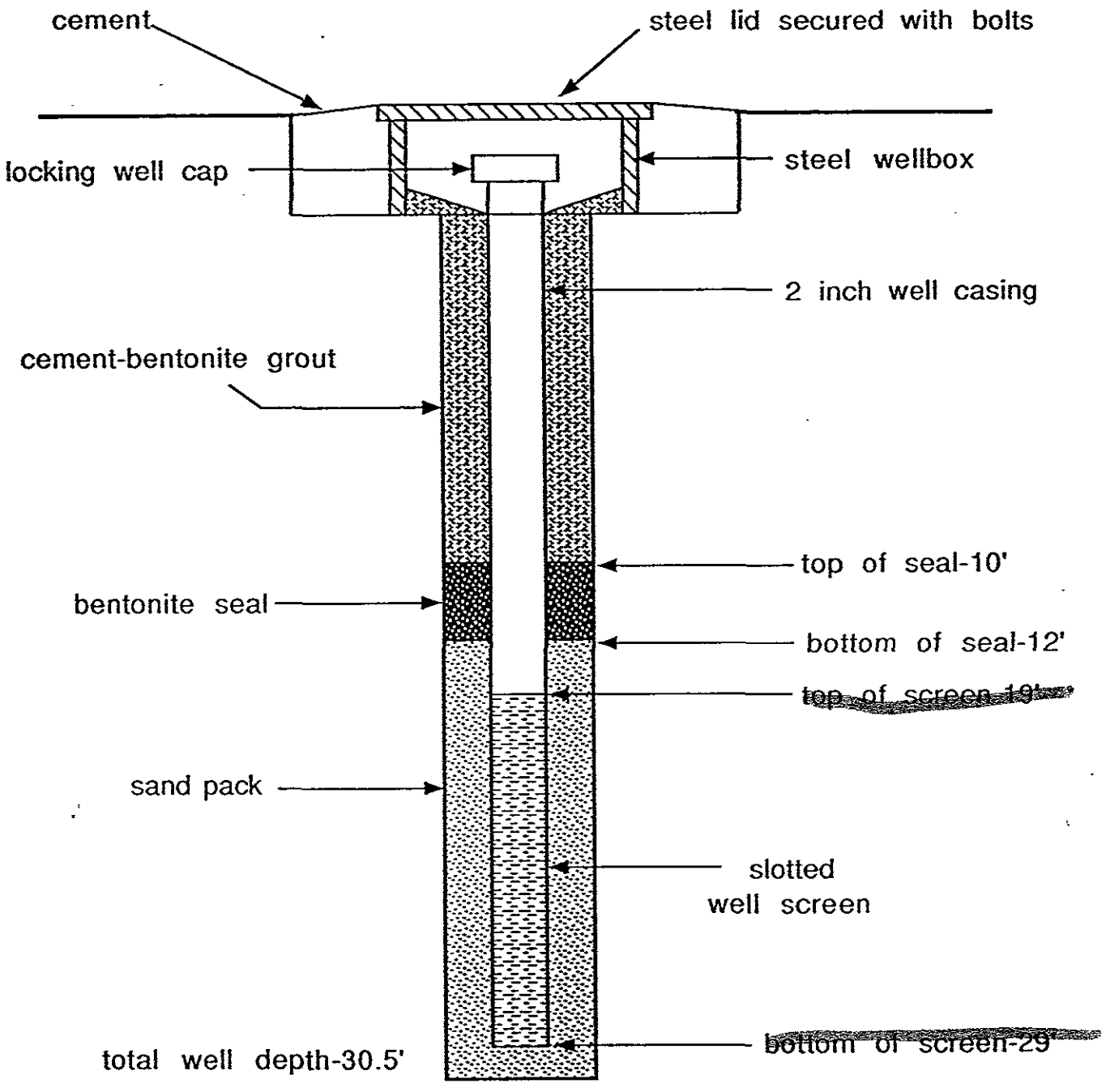
Well Name	Elevation TOC[1] (Feet)	Date	Depth-to-Groundwater From TOC	Groundwater Elevation (Feet MSL[2])
MW-1	55.25[3]	07/01/92	19.11[4]	36.14
		07/12/94	17.78	37.47
		10/10/94	19.16	36.09
		01/13/95	15.50	39.75
MW-2	54.33[3]	07/01/92	20.02[4]	34.31
		07/12/94	18.67	35.66
		10/10/94	20.04	34.29
		01/13/95	16.43	37.90
MW-3	55.05[3]	07/01/92	19.26[4]	35.79
		07/12/94	17.92	37.13
		10/10/94	19.29	35.76
		01/13/95	15.68	39.37

[1] TOP-OF-CASING

[2] MEAN SEA LEVEL

[3] ELEVATION REPORTED BY PREVIOUS CONSULTANT (AUGEAS CORPORATION)

[4] REPORTED BY PREVIOUS CONSULTANT (AUGEAS CORPORATION)



AUGEAS CORPORATION		
TITLE:		ATTACHMENT 7
DRAWN BY: JF	DATE: 07/02/92	MJ0592

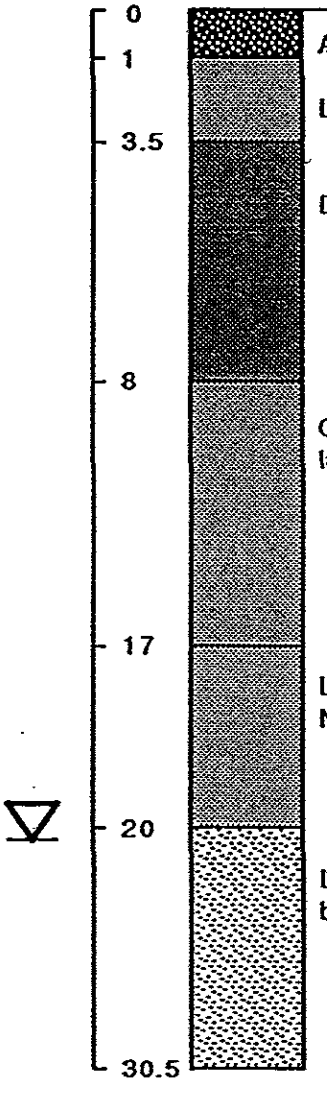
LOG OF BORING
MW-1

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92
Well Casing Top Elevation: ___
Casing Diameter: 2"
Filter Pack Type: sand
Grout Type: cement/bentonite
Screen Size: 0.020
Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/5/6	5'	ML
SS	5/10/17	10'	CL
SS	4/4/4	15'	CL
SS	2/4/6	20'	ML
SS	1/3/6	25'	CL
SS	1/2/3	30'	CL



SOIL DESCRIPTION

- 0 – 1: Asphalt and base rock
- 1 – 3.5: Light brown clayey silt. Dry with no odor
- 3.5 – 8: Dark grey clayey SILT. Dry with no odor
- 8 – 17: Orange brown SILT with dark grey CLAY layers. Dry with no odor.
- 17 – 20: Light brown sandy SILT. Moist and soft. No odor.
- 20 – 30.5: Light grey-brown silty CLAY. Layers of brown silt. Damp with no odor.
- 30.5: Total depth 30.5'

BORING LOGGED BY: F.M.

AUGEAS CORPORATION

TITLE: MW-1 Boring Log

DRAWN BY:	DATE:	PROJECT NO.
JF	07/02/92	MJ0592

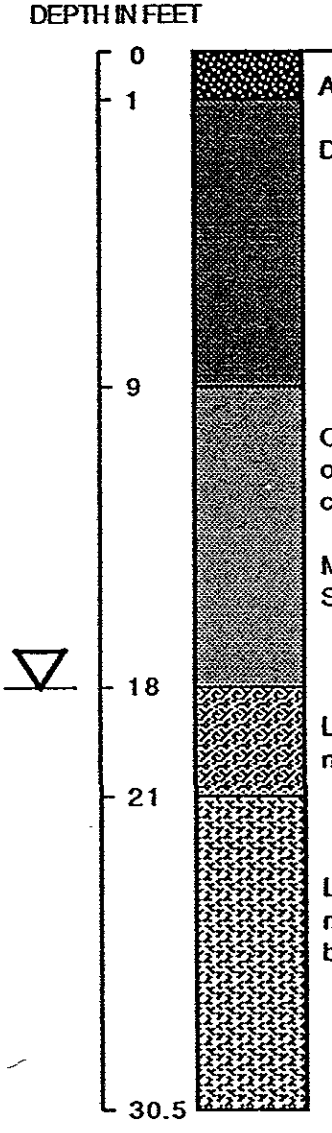
LOG OF BORING
MW-2

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92
Well Casing Top Elevation: ____
Casing Diameter: 2"
Filter Pack Type: sand
Grout Type: cement/bentonite
Screen Size: 0.020
Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/4/6	5'	ML
SS	3/12/15	10'	ML
SS	2/3/4	15'	ML
SS	1/2/3	20'	SM
SS	2/2/4	25'	ML
SS	3/3/4	30'	ML



SOIL DESCRIPTION

0 – 1: Asphalt and road base gravel.

1 – 9: Dark grey clayey SILT. Dry with no odor.

9 – 18: Orange brown clayey SILT. Dry with no odor. Pebbles. Layers of dark grey silty clay up to 8" thick.

Moist at approximately 14'
Sandy silt beginning at approximately 15'

18 – 21: Light brown clayey SAND. Wet with no odor.

21 – 30.5: Light grey-brown clayey SILT. Damp to moist. Thin 6" layers of sandy silt: light brown and wet.

Total depth 30.5'

BORING LOGGED BY: F.M.

AUGEAS CORPORATION

TITLE: MW-2 Boring Log

DRAWN BY:	DATE:	PROJECT NO.
JF	07/02/92	MJ0592

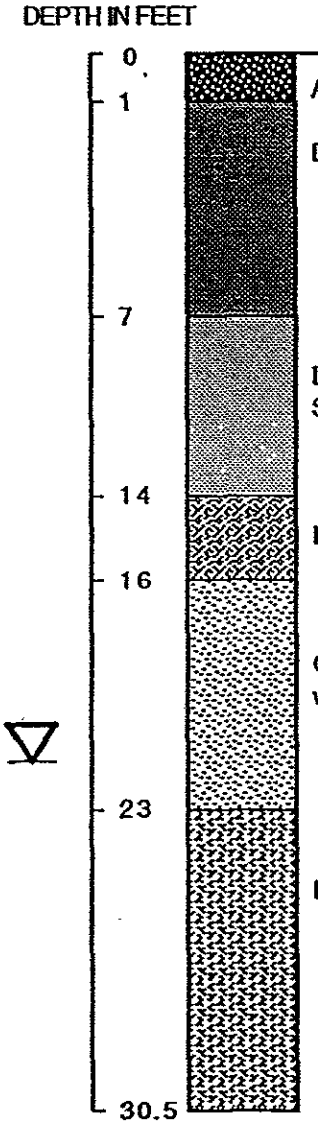
LOG OF BORING
MW-3

JOB NO. MJ 0592

CLIENT: JOCSON AUTO ELECTRIC

Date Drilled: 06/27/92
Well Casing Top Elevation: ___
Casing Diameter: 2"
Filter Pack Type: sand
Grout Type: cement/bentonite
Screen Size: 0.020
Boring Diameter: 6 7/8"

SAMPLER TYPE	SAMPLING RESISTANCE BLOWS/FT.	SAMPLE DEPTH	SOIL CLASSIFICATION
SS	2/5/6	5'	ML
SS	7/11/12	10'	ML
SS	3/5/6	15'	SM
SS	2/4/5	20'	CL
SS	2/3/3	25'	ML
SS	4/2/6	30'	ML



SOIL DESCRIPTION

Asphalt

Dark grey clayey SILT. Dry with no odor

Light brown clayey SILT. Dry with no odor. Stiff.

Light brown silty SAND. Wet with no odor.

Grey brown silty CLAY. Moist and firm with no odor.

Light brown clayey SILT.

Total depth 30.5'

BORING LOGGED BY: F.M.

AUGEAS CORPORATION		
TITLE: MW-3 Boring Log		
DRAWN BY: JF	DATE: 07/02/92	PROJECT NO. MJ0592