UNDERGROUND STORAGE TANK
REMOVAL, SAMPLING AND LABORATORY ANALYSIS
FIVE STAR AUTO CARE
1220 WEST TENNYSON AVENUE
HAYWARD, CALIFORNIA
FOR
VERL'S CONSTRUCTION, INC.

NO. EV-500/E168-01
OCTOBER 23, 1990

FIVE STAR AUTO CARE
PROFESSIONAL SERVICE FOREIGN & DOMESTIC

LICENSED SMOG CHECK

TOWING SERVICE
TUNE UP • BRAKE • SMOG • ELECTRICAL
ENGINE • TRANSMISSION • REBUILDING
AIR CONDITIONING • FUEL INJECTION SERVICE

1220 W. TENNYSON RD.
HAYWARD, CA 94544

MOZY HUSSAINI
MANAGER
(415) 782-5010

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

EGC

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

2495 INDUSTRIAL PARKWAY WEST, HAYWARD, CALIFORNIA 94545
TELEPHONE (415) 786-0243 · FAX (415) 732-0289

No. EV-500/E168-01
October 24, 1990

Verl's Construction, Inc.
753 Peralta Avenue
San Leandro, CA 94577

Attention: Mr. Merlin Bowen

SUBJECT: Underground Storage Tank (UST) Removal, Sampling and Laboratory Analysis at Five Star Auto Care, 1220 West Tennyson Avenue, Hayward, California

Gentlemen:

This report describes the results of field activities by Environmental Geotechnical Consultants (EGC) at the above referenced site (Figure 1). Field work and laboratory analysis were performed in compliance with Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated August 10, 1990.

BACKGROUND

EGC was contracted by Verl's Construction, Inc. (VCI) to collect soil and groundwater samples beneath four gasoline storage tanks. The UST removal was conducted by VCI.

UST REMOVAL

Permits for UST removal, Closure Plan and Uniform Hazardous Waste Manifest are included as Appendix A. Excavation began on October 10, 1990. Tank and pipe locations and configurations are shown in Figure 2. The interior of the tank was cleaned and triple-rinsed. Rinsate was disposed of by Allied Oil Company and Pumping at Refinery Services in Patterson, California.

Solid carbon dioxide (dry ice) was introduced into the tanks to displace potentially explosive vapors. A VCI combustible gas indicator was used to verify safe lower explosive limit levels within the tanks. Tanks were removed from the excavation and inspected by Mr. Jay Swardenski, a City of Hayward Hazardous Materials Inspector. The tanks were designated A through D by EGC for reporting purposes (Figure 2). Tanks A through C had 4,000 gallon capacities and tank D had a 6,000 gallon capacity. Tanks A and C had visible holes in spots of rust. Tanks were loaded onto an Erickson Enterprises, Inc. flatbed truck and taken to their facility in Richmond, California.

FIELD OBSERVATIONS

Soil with petroleum product odors and a green-gray color was encountered in the excavation. The City of Hayward representative requested that a groundwater sample be taken from the excavation. The pit was not backfilled, but the area was secured with temporary fence.

SAMPLING

Sampling point locations are shown in Figure 2. All samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) including Benzene, Toluene, Ethyl Benzene and Xylene (BTEX) by EPA methods 8015 modified/8020, and Total Lead by EPA method 7421 (Table 1). Soil samples in the excavation were taken 12 feet below grade from the bucket of the backhoe. Each brass liner was packed with soil and both ends were wrapped in aluminum foil and sealed with plastic end caps.

Groundwater in the excavation was found at 12 feet below grade and had dark fuel product sheen and odor. Because not enough water was present in the excavation for sampling, we had to collect a sample 6 days later on October 16, 1990. The water was sampled with a PolyVinyl Chloride grab sampling device. Volatile Organic Analysis samples were capped leaving no air bubbles within the bottles.

Samples were labeled, logged on a chain-of-custody form and transferred on blue ice to NET Pacific, Inc., a California Department of Health Services-certified environmental laboratory. The chain-of-custody and analytical results are included as Appendix B.

TABLE 1
SUMMARY OF FINDINGS

Analyses in Micrograms/Liter - ppb (unless otherwise noted)

	Lead (ppm)	TPH-G (ppm)	B	T	E	X
W-1016-01	ND	26	2,400	1,800	ND	5,200
S-1010-01	3.3	ND	8.6	13	2.5	16
S-1010-02	1.9	ND	24	41	8.6	61
S-1010-03	2.9	22	150	110	110	530
S-1010-04	1.8	1.1	28	8.0	3.9	16
S-1010-05	3.1	110	590	2,400	940	4,700
S-1010-06	3.5	1,300	29,000	90,000	27,000	120,000
S-1010-07	4.3	240	1,700	8,700	4,400	23,000
S-1010-08	2.3	4,300	20,000	160,000	68,000	280,000

ND = Not Detected

These concentrations exceed the Practical Quantitation Reporting Limits specified in the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated August 10, 1990.

LIMITATIONS

The scope of work of this project was strictly limited to the sampling and analysis of soil and groundwater samples collected beneath four UST's. No express or implied warranty is given with regard to the general environmental condition of the subject property.

This report has been prepared in order to aid in the evaluation of the current status of the subject site. It is your responsibility to ensure that this report is made available to the agencies noted in this report.

Responsible Agencies

Mr. Hugh Murphy
City of Hayward, Hazardous Materials Department
22300 Foothill Boulevard
Hayward, CA 94541
(415) 581-2345

Mr. Steven Hill
Regional Water Quality Control Board
1800 Harrison Street, Suite 700
Oakland, CA 94612
(415) 464-1255

Should you have any questions or require additional information, please contact us at your convenience.

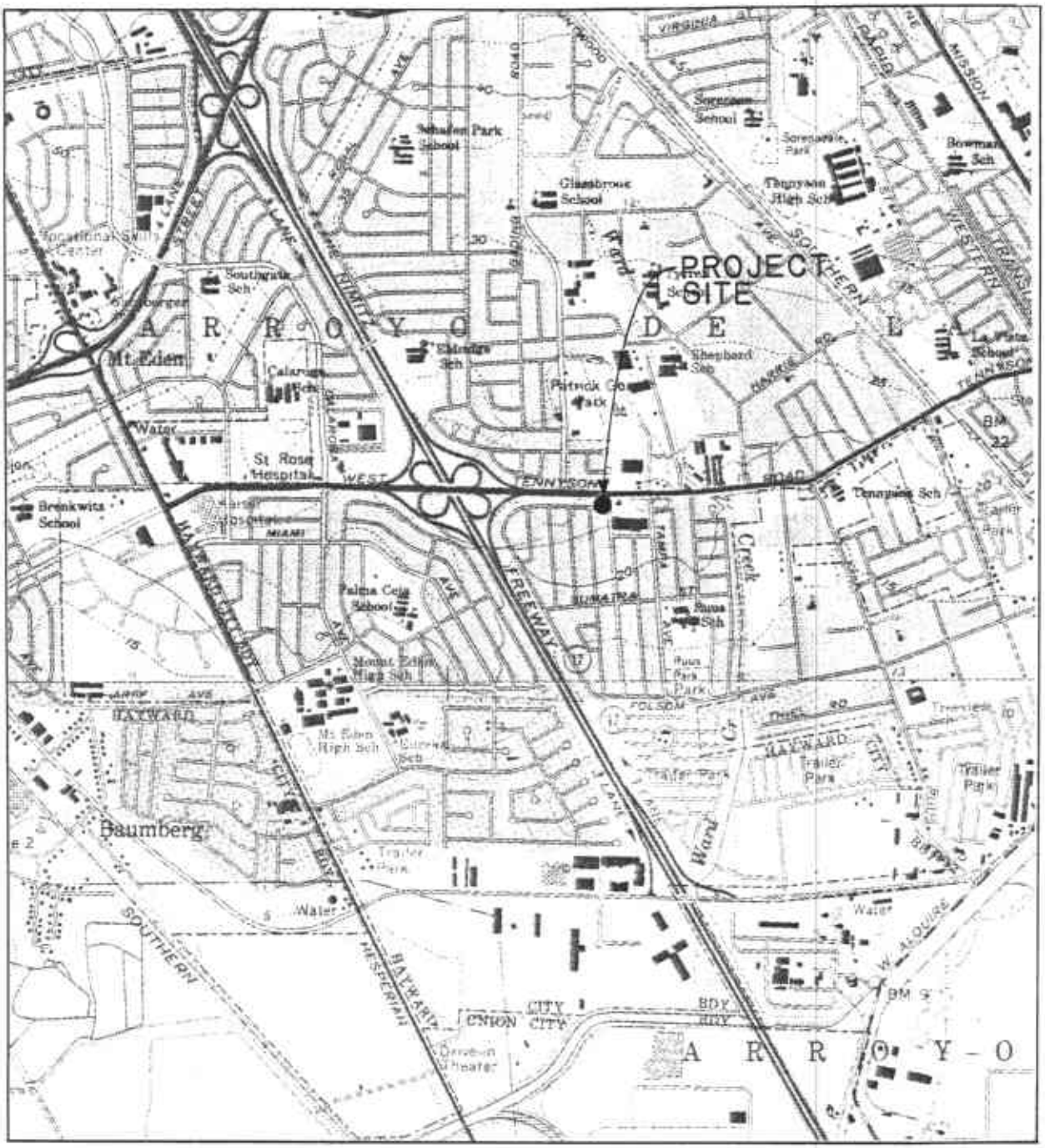
Very truly yours,

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.

Irving D. Affeldt, C.E.G., R.E.A.
Principal

jmc

125311



NOTES

1. BASE MAP TAKEN FROM USGS HAYWARD (1980) AND NEWARK (1980), CALIFORNIA, 7.5 MINUTE QUADRANGLES.

DATE	10/10/90
JOB NO.	E168-01
DWG. NO.	E168-01/1
DRAWN	N TOOR
CHK'D	G MILLIKAN
APP'D	J HICKS

EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

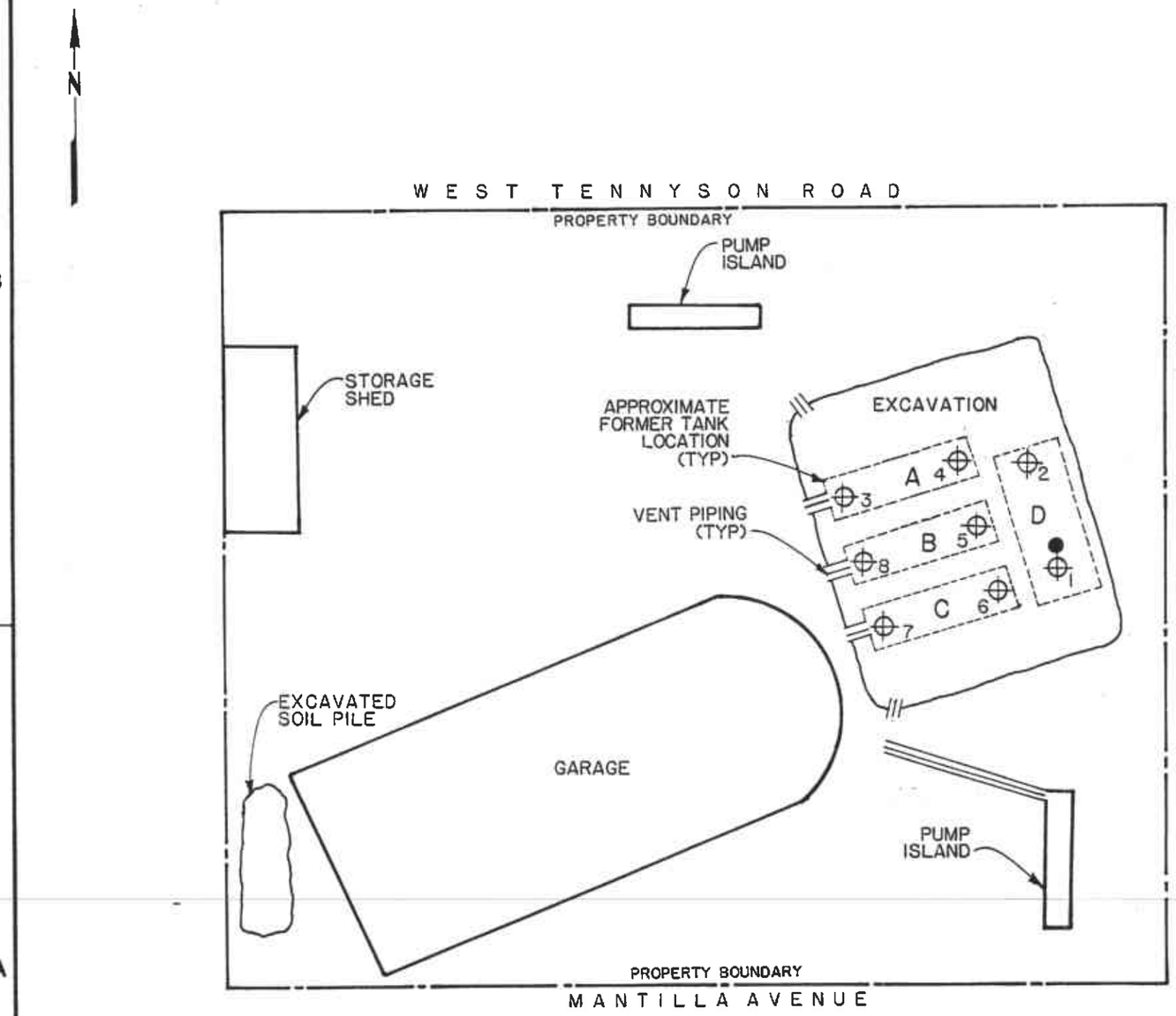
PROJECT SITE LOCATION MAP

FIVE STAR AUTO SERVICE
1220 W. TENNYSON AVENUE, HAYWARD, CA
VERL'S CONSTRUCTION

FIGURE NO. 1

REV NO.

120619



NOTES

1. MAP BASED ON APPROXIMATE FIELD MEASUREMENTS (10/10/90).

EXPLANATION

- APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE WATER SAMPLE LOCATION

0 15 30 FT
APPROXIMATE SCALE

NO.	DATE	ZONE	DESCRIPTION	DRAWN	APPROVED

REVISIONS

PROFESSIONAL SEAL

DATE	10/10/90
JOB NO.	E168-01
DWG NO.	E168-01/2
DRAWN	N TOOR
CHK'D	G MILLIKAN
APP'D	J HICKS

EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

SITE PLAN
FIVE STAR AUTO SERVICE
1220 W. TENNYSON AVENUE, HAYWARD, CA
VERL'S CONSTRUCTION

FIGURE NO. 2

REV NO.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION [illegible]
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

☐ Removal or Replacement of Tanks
☐ Excavation of Contaminated Soil

SITE INFORMATION

LEW

SITE ADDRESS 1220 WEST TENNYSON ROAD,
CITY, STATE, ZIP HAYWARD, CA. 94544
OWNER NAME PHIL ENGINEER
SPECIFIC LOCATION OF PROJECT

TANK REMOVAL

SCHEDULED STARTUP DATE 10-10-90
VAPORS REMOVED BY: 1:00
[ ] WATER WASH
[ ] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE
STOCKPILES WILL BE COVERED? YES ____ NO ____
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME VERL'S CONSTRUCTION INC CONTACT MERLIN BOWEN
ADDRESS 753 PERALTA AVE. PHONE (415) 568-1234
CITY, STATE, ZIP SAN LEANDRO, CA. 94577

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME ENVIRONMENTAL GEO-TECH. CONTACT GREG MILIGAN
ADDRESS 2495 INDUSTRIAL PKWY WEST. PHONE (415) 786-0243
CITY, STATE, ZIP HAYWARD, CA. 94545

FOR OFFICE USE ONLY

DATE RECEIVED 10-9-90 BY PB (INIT.)
CC: INSPECTOR NO. 176 DATE 10-10-90 BY DS (INIT.)
TELEPHONE UPDATE: CALLER CHANGE MADE
BAAQMD # #

3/89

OCT 30 '90 09:41 P.05

CITY OF HAYWARD FIRE DEPARTMENT HAZARDOUS MATERIALS
22300 FOOTHILL BLVD., HAYWARD, CA 94541 (415) 784-8695

PERMIT NUMBER
HM 000297
APPLICATION RECEIVED
DATE
BY

CONTRACTOR

X I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

I hereby affirm that I am exempt from the Contractor's License Law for the following reason: 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).

OWNER BUILDER

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for each project with a contractor(s) licensed pursuant to the Contractor's License Law).

I am exempt under Sec. _____ B.&P.C. for this reason _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).

POLICY NO. 758432 - 71

COMPANY STATE INSURANCE FUND

Copy is filed with the city

X Certified copy is hereby furnished

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

LENDER

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date 9-27-90

JOB LOCATION

JOB ADDRESS 1220 WEST TENNYSON RD.
HAYWARD, CA. 94544
LOT _____ BLOCK _____ ASSESSOR'S NO. 464-20-15

CONDITION OF SOIL AT JOB SITE UNKNOWN
☐ ORIGINAL ☐ COMPACTED FULL ☐ LOOSE FILL

NO. OF EXISTING BUILDINGS ON LOT AND USE 1

CONTRACTOR

NAME VERL'S CONSTRUCTION, INC.
ADDRESS 753 PERALTA AVE.
CITY SAN LEANDRO, CA. ZIP 94577 TELEPHONE 415-568-1234
STATE LICENSE 487537 CLASS NO. A, B, & HAZ. CITY LICENSE NO. 758432

OWNER

NAME (OR NAME OF BUSINESS) PHIL ENGINEER
MAILING ADDRESS 1220 WEST TENNYSON ROAD
CITY HAYWARD. CA. ZIP 94544 TELEPHONE 415-782-501

OCCUPANCY - AREA

OCCUPANCY A B E H I M R Div.
TYPE OF CONSTRUCTION I II III N., 1-Hr., H.T. IVN., 1-Hr. V
NO. OF STORIES 1 TOTAL HEIGHT 10' AREA OF LOT 43,114'
FLOOR AREA MAIN BLDG. (1st Floor) 24'X51' (2nd Floor) _____
TOTAL FLOOR AREA 1224 SQ. FT.

_____ APP. _____ APP.
_____ APP. _____ APP.

PROPOSED WORK

WORK TO BE DONE ☒ NEW ☐ ALTER ☐ REMOVE
☐ ADD ☐ REPAIR ☐ DEMOLISH

DESCRIBE UNDERGROUND TANK REMOVAL
3 - 4K GALLONS
1 - 6K GALLONS

VALUATION —

HAZARDOUS MATERIALS OFFICE

PLAN CHECKING FEE _____

ACCOUNT NO. _____

BLDG. PERMIT NO. _____

THIS IS YOUR RECEIPT WHEN MACHINE VALIDATED

INSPECTOR (Gold) APPLICANT (Pink) FINANCE - Yellow (Cashier) CONTROL - Green

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'A': SITE

UNDERGROUND STORAGE TANK PROGRAM
FACILITY/SITE INFORMATION and/or PERMIT APPLICATION

COMPLETE THIS FORM FOR EACH FACILITY/SITE

No. 38753

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [ ] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS — (MUST BE COMPLETED)

FACILITY/SITE NAME: FIVE STAR AUTO CARE

CARE OF ADDRESS INFORMATION: -0-

ADDRESS: 1220 WEST TENNYSON ROAD

NEAREST CROSS STREET:

[X] Box to indicate CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL AGENCY [ ] COUNTY AGENCY [ ] STATE AGENCY [ ] FEDERAL AGENCY

CITY NAME: HAYWARD

STATE: CA ZIP CODE: 94544 SITE PHONE #, WITH AREA CODE:

TYPE OF OWNERSHIP: [ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [ ] 5 OTHER [ ] Box if INDIAN RESERVATION or TRUST LANDS

EPA ID #: CAC000524080 # of TANKS AT THIS SITE: 4

EMERGENCY CONTACT PERSON (PRIMARY)

DAYS: NAME (LAST, FIRST): PHIL ENGINEER PHONE # WITH AREA CODE: 415-782-5010

NIGHTS: NAME (LAST, FIRST): -0- PHONE # WITH AREA CODE:

EMERGENCY CONTACT PERSON (SECONDARY)

DAYS: NAME (LAST, FIRST): MERLIN BOWEN PHONE # WITH AREA CODE: 415-568-1234

NIGHTS: NAME (LAST, FIRST): -0- PHONE # WITH AREA CODE:

II. PROPERTY OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: PHIL ENGINEER

CARE OF ADDRESS INFORMATION: -0-

MAILING or STREET ADDRESS: 1220 WEST TENNYSON ROAD

[X] Box to indicate CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL AGENCY [ ] COUNTY AGENCY [ ] STATE AGENCY [ ] FEDERAL AGENCY

CITY NAME: HAYWARD

STATE: CA ZIP CODE: 94544 PHONE #, WITH AREA CODE: 415-568-1234

III. TANK OWNER INFORMATION & ADDRESS — (MUST BE COMPLETED)

NAME: PHIL ENGINEER

CARE OF ADDRESS INFORMATION: -0-

MAILING or STREET ADDRESS: 1220 WEST TENNYSON ROAD

[X] Box to indicate CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL AGENCY [ ] COUNTY AGENCY [ ] STATE AGENCY [ ] FEDERAL AGENCY

CITY NAME: HAYWARD

STATE: CA ZIP CODE: 94544 PHONE #, WITH AREA CODE: 415-568-1234

IV. LEGAL NOTIFICATION AND BILLING ADDRESS

CHECK ONE (1) BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR BOTH LEGAL NOTIFICATION AND BILLING: I. [ ] II. [X] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): MERLIN BOWEN VERL'S CONSTRUCTION / MERLIN BOWEN DATE: 9-27-90

LOCAL AGENCY USE ONLY

COUNTY # | JURISDICTION # | AGENCY # | FACILITY ID # | # of TANKS at SITE

CURRENT LOCAL AGENCY FACILITY ID # | APPROVED BY NAME | PHONE # WITH AREA CODE

PERMIT NUMBER | PERMIT APPROVAL DATE | PERMIT EXPIRATION DATE

LOCATION CODE | CENSUS TRACT # | SUPERVISOR DISTRICT CODE | BUSINESS PLAN FILED YES [ ] NO [ ] | DATE FILED

CHECK # | PERMIT AMOUNT | SURCHARGE AMOUNT | FEE CODE | RECEIPT # | BY:

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE TANK PERMIT FORM 'B' APPLICATION(S), UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

FORM A (12-88)

DATA PROCESSING COPY

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOARD

FORM 'B':

TANK

UNDERGROUND STORAGE TANK PROGRAM
TANK PERMIT APPLICATION INFORMATION

COMPLETE A SEPARATE FORM WITH THE FOLLOWING INFORMATION FOR EACH TANK.

No. 74889

MARK ONLY ONE ITEM							
	[X] 1 NEW PERMIT	[ ] 3 RENEWAL PERMIT	[ ] 5 CHANGE OF INFORMATION	[ ] 7 PERMANENTLY CLOSED TANK
	[ ] 2 INTERIM PERMIT	[ ] 4 AMENDED PERMIT	[ ] 6 TEMPORARY TANK CLOSURE	[X] 8 TANK REMOVED

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FIVE STAR AUTO CARE — FARM TANK - YES [ ] NO [X]

I. TANK DESCRIPTION COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # UNKNOWN	B. MANUFACTURED BY: UNKNOWN
C. YEAR INSTALLED UNKNOWN	D. TANK CAPACITY IN GALLONS: 4-K GALLONS

II. TANK CONTENTS IF (A.1), IS MARKED, COMPLETE ITEM C. IF (A.1), IS NOT MARKED, COMPLETE ITEM D.

A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 5 HAZARDOUS [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [X] 1 UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # — C.A.S. #:

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALLED [ ] 2 SINGLE WALLED [X] 3 SINGLE WALLED WITH EXTERIOR LINER [ ] 4 SECONDARY CONTAINMENT [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL: [X] 1 STEEL/IRON [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] 7 LINING MATERIAL COMPATIBLE WITH 100% METHANOL? [ ] YES [ ] NO [ ] 99 OTHER

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 TAR OR ASPHALT [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [X] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL	A (U) 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	A U 91 NONE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP		
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER			

V. LEAK DETECTION SYSTEM CIRCLE P FOR PRIMARY OR S FOR SECONDARY. A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK P S 2 INVENTORY RECONCILIATION P S 3 VADOSE WELLS P S 4 ELECTRONIC MONITOR P S 5 GROUND WATER MONITORING WELLS
P S 6 PRECISION TESTING P S 7 PRESSURE TESTING (P) S 91 NONE P S 95 UNKNOWN P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN	3. WAS TANK FILLED WITH INERT MATERIAL?
~~UNKNOWN~~ SEPT, 1990	~~UNKNOWN~~ 0 GALLONS	[X] YES [ ] NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)		
MERLIN BOWEN	MERL'S CONSTRUCTION INC. Merlin Bowen	9-27-90

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID # — APPROVED BY NAME — PHONE # WITH AREA CODE

PERMIT NUMBER — PERMIT APPROVAL DATE — PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE/MT.	FEE CODE	RECEIPT #	BY

THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A' UNLESS A CURRENT FORM 'A' HAS BEEN FILED

STATE OF CALIFORNIA — WATER RESOURCES CONTROL BOA

FORM 'B': UNDERG[illegible] STORAGE TANK PROGRAM

TANK — TANK PE[illegible] APPLICATION INFORMATION

COMPLETE A SEPARATE FORM B WITH THE FOLLOWING INFORMATION FOR EACH TANK.

No. 74891

MARK ONLY ONE ITEM				
☒ 1 NEW PERMIT	☐ 3 RENEWAL PERMIT	☐ 5 CHANGE OF INFORMATION	☐ 7 PERMANENTLY CLOSED TANK	
☐ 2 INTERIM PERMIT	☐ 4 AMENDED PERMIT	☐ 6 TEMPORARY TANK CLOSURE	☒ 8 TANK REMOVED	

FACILITY/SITE NAME WHERE TANK IS INSTALLED: FIVE STAR AUTO CARE — FARM TANK - YES ☐ NO ☒

I. TANK DESCRIPTION — COMPLETE ALL ITEMS - IF UNKNOWN — SO SPECIFY

A. OWNERS TANK ID # UNKNOWN	B. MANUFACTURED BY: ?
C. YEAR INSTALLED UNKNOWN	D. TANK CAPACITY IN GALLONS: 4 K GALLON

II. TANK CONTENTS — IF (A.1) IS MARKED, COMPLETE ITEM C. IF (A.1) IS NOT MARKED, COMPLETE ITEM D.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 5 HAZARDOUS ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☐ 7 WASTE

C. ☒ 1 UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF HAZARDOUS SUBSTANCE STORED & C.A.S. # — C.A.S. #

III. TANK CONSTRUCTION — MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALLED ☐ 2 SINGLE WALLED ☒ 3 SINGLE WALLED WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL: ☒ 1 STEEL/IRON ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☒ 8 UNLINED ☐ 95 UNKNOWN ☐ IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? ☐ YES ☐ NO ☐ 99 OTHER

D. CORROSION PROTECTION: ☐ 1 POLYETHELENE WRAP ☐ 2 TAR OR ASPHALT ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☒ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

IV. PIPING INFORMATION — CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A (U) 1 SUCTION	A U 2 PRESSURE	A U 3 GRAVITY	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
B. CONSTRUCTION	A (U) 1 SINGLE WALLED	A U 2 DOUBLE WALLED	A U 3 LINED TRENCH	A U 91 NONE	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL	A (U) 1 STEEL/IRON	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	A U 91 NONE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL CLAD W/FRP	A U 8 100% METHANOL COMPATIBLE FRP		
	A U 9 GALVANIZED STEEL	A U 95 UNKNOWN	A U 99 OTHER			

V. LEAK DETECTION SYSTEM — CIRCLE P FOR PRIMARY, OR S FOR SECONDARY, A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK — P S 2 INVENTORY RECONCILIATION — P S 3 VADOSE WELLS — P S 4 ELECTRONIC MONITOR — P S 5 GROUND WATER MONITORING WELLS — P S 6 PRECISION TESTING — P S 7 PRESSURE TESTING — (P) S 91 NONE — P S 95 UNKNOWN — P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN	3. WAS TANK FILLED WITH INERT MATERIAL?
UNKNOWN SEPT, 1990	0 GALLONS	☒ YES ☐ NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
MERLIN BOWEN Merlin Bowen	9-27-90

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #	BY:

THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION, FORM 'A', UNLESS A CURRENT FORM 'A' HAS BEEN FILED

UNKNOWN | D. TANK CAPACITY IN GALLONS 8 - K 5,000 GAL

TANK CONTENTS

IF (A.1) IS MARKED, COMPLETE ITEM C. IF (A.1) IS NOT MARKED, COMPLETE ITEM D.

A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] HAZARDOUS [ ] 90 EMPTY [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT [ ] 2 WASTE

C. [X] 1 UNLEADED [ ] 2 LEADED [ ] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 99 OTHER (DESCRIBE IN ITEM D, BELOW)

D. IF NOT MOTOR VEHICLE FUEL, ENTER NAME OF SUBSTANCE STORED & C.A.S. # — C.A.S. #

TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOX A, B, C, & D

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALLED [X] 3 SINGLE WALLED WITH EXTERIOR LINER [ ] 95 UNKNOWN [ ] 2 SINGLE WALLED [ ] 4 SECONDARY CONTAINMENT [ ] 99 OTHER

B. TANK MATERIAL: [X] 1 STEEL/IRON [ ] 2 STAINLESS STEEL [ ] 3 FIBERGLASS [ ] 4 STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [X] 6 UNLINED [ ] 95 UNKNOWN [ ] IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? [ ] YES [ ] NO [ ] 99 OTHER

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 TAR OR ASPHALT [ ] 3 VINYL WRAP [ ] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [X] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

V. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND, U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 91 NONE; A U 95 UNKNOWN; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALLED; A U 2 DOUBLE WALLED; A U 3 LINED TRENCH; A U 91 NONE; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL: A (U) 1 STEEL/IRON; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 91 NONE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL CLAD W/FRP; A U 8 100% METHANOL COMPATIBLE FRP; A U 9 GALVANIZED STEEL; A U 95 UNKNOWN; A U 99 OTHER

VI. LEAK DETECTION SYSTEM

CIRCLE P FOR PRIMARY, OR S FOR SECONDARY. A PRIMARY LEAK DETECTION SYSTEM MUST BE CIRCLED.

P S 1 VISUAL CHECK; P S 2 INVENTORY RECONCILIATION; P S 3 VADOSE WELLS; P S 4 ELECTRONIC MONITOR; P S 5 GROUND WATER MONITORING WELLS; P S 6 PRECISION TESTING; P S 7 PRESSURE TESTING; (P S) 91 NONE; P S 95 UNKNOWN; P S 99 OTHER

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

1. ESTIMATED DATE LAST USED (MO/YR): ~~UNKNOWN~~ SEPT, 1990
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING IN TANK: UNKNOWN GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? [X] YES [ ] NO

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

APPLICANT'S NAME (PRINTED & SIGNATURE): MERLIN BOWEN — PERL'S CONSTRUCTION INC — Merlin Bowen | DATE: 9-27-90

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	AGENCY #	FACILITY ID #	TANK ID #

CURRENT LOCAL AGENCY FACILITY ID #	APPROVED BY NAME	PHONE # WITH AREA CODE

PERMIT NUMBER	PERMIT APPROVAL DATE	PERMIT EXPIRATION DATE

CHECK #	PERMIT AMOUNT	SURCHARGE AMT.	FEE CODE	RECEIPT #	BY:

THIS FORM MUST BE ACCOMPANIED BY A FACILITY/SITE APPLICATION FORM "A" UNLESS A CURRENT FORM "A" HAS BEEN FILED

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Martha Schackman
Environmental Geotechnical
2495 Industrial Parkway W.
Hayward, CA 94545

Date: 10-19-90
NET Client Acct No: 362
NET Pacific Log No: 4338
Received: 10-12-90 0800

Client Reference Information

5-Star Auto, Job: E168-01

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

NET

Client No: 362 Date: 10-19-90
Client Name: Environmental Geotechnical
NET Log No: 4338 Page: 2

NET Pacific, Inc. Ref: 5-Star Auto, Job: E168-01

			Descriptor, Lab No. and Results		
			S1010-01 10-10-90	S1010-02 10-10-90	
Parameter	Method	Reporting Limit	65110	65111	Units
Lead (EPA 7421)	7421	0.2	3.3	1.9	mg/Kg
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-16-90	10-16-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-16-90	10-16-90	
Benzene		2.5	8.6	24	ug/Kg
Ethylbenzene		2.5	2.5	8.6	ug/Kg
Toluene		2.5	13	41	ug/Kg
Xylenes, total		2.5	16	61	ug/Kg

NET

Client No: 362
Client Name: Environmental Geotechnical
NET Log No: 4338

Date: 10-19-90

Page: 3

NET Pacific, Inc.

Ref: 5-Star Auto, Job: E168-01

			Descriptor, Lab No. and Results		
			S1010-03	S1010-04	
			10-10-90	10-10-90	
Parameter	Method	Reporting Limit	65112	65113	Units
Lead (EPA 7421)	7421	0.2	2.9	1.8	mg/Kg
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			20	1	
DATE ANALYZED			10-17-90	10-16-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	22	1.1	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			20	1	
DATE ANALYZED			10-17-90	10-16-90	
Benzene		2.5	150	28	ug/Kg
Ethylbenzene		2.5	110	3.9	ug/Kg
Toluene		2.5	110	8.0	ug/Kg
Xylenes, total		2.5	530	16	ug/Kg

Parameter	Method	Reporting Limit	Descriptor, Lab No. and Results S1010-05 10-10-90 65114	S1010-06 10-10-90 65115	Units
Lead (EPA 7421)	7421	0.2	3.1	3.5	mg/Kg
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			20	100	
DATE ANALYZED			10-18-90	10-16-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	110	1,300	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			20	1	
DATE ANALYZED			10-18-90	10-17-90	
Benzene		2.5	590	29,000	ug/Kg
Ethylbenzene		2.5	940	27,000	ug/Kg
Toluene		2.5	2400	90,000	ug/Kg
Xylenes, total		2.5	4700	120,000	ug/Kg

Parameter	Method	Reporting Limit	Descriptor, Lab No. and Results S1010-07 10-10-90 65116	S1010-08 10-10-90 65117	Units
Lead (EPA 7421)	7421	0.2	4.3	2.3	mg/Kg
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			100	1000	
DATE ANALYZED			10-18-90	10-18-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	240	4300	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			100	1000	
DATE ANALYZED			10-18-90	10-18-90	
Benzene		2.5	1700	20,000	ug/Kg
Ethylbenzene		2.5	4400	68,000	ug/Kg
Toluene		2.5	8700	160,000	ug/Kg
Xylenes, total		2.5	23,000	280,000	ug/Kg

Ref: Pacific Star Auto, Job: E168-01

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1	mg/Kg	102	ND	90	87	3.4
Benzene	2.5	ug/Kg	96	ND	86	86	< 1
Toluene	2.5	ug/Kg	93	ND	95	95	< 1

COMMENT: Blank Results were ND on other analytes tested.

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Lead (EPA 7421)	0.2	mg/Kg	98	ND	80	82	1.7

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

4338

SAMPLER (Signature) M. Schackman CARRIER _____ DATE SHIPPED 10/11/90

COOLER No. _____ I.D. No. _____ DATE RECEIVED _____

SHIP TO: NET Pacific

ATTN. Judy Ridley

TURNAROND TIME:
24 HOURS ☐
1 WEEK ☒
STANDARD ☐

SEND RESULTS TO:
ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
2495 INDUSTRIAL PARKWAY WEST
HAYWARD, CALIFORNIA 94545
TELEPHONE(415)786-0243
FAX(415)732-0289
Attn. Martha Schackman

JOB NAME: 5-Star Auto JOB No.: E168-01

RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME
Martha Schackman		10/11/90	16:25
RELINQUISHED BY (Signature) 10/11	RECEIVED BY (Signature)	DATE	TIME
Jeff Winkler			
RELINQUISHED BY (Signature)	RECEIVED AT LAB BY (Signature)	DATE	TIME
	Kemple	10/12/90	0800

ANALYSIS REQUEST

SAMPLE I.D. NUMBER	DATE/TIME SAMPLED	MATRIX	SAMPLE CONTAINER	ANALYSIS REQUESTED	SAMPLE CONDITION UPON RECEIPT
S1010-01	10/10/90	Soil	2" Brass Sleeve	TPH-G/BTEX, Total Lead	ok
S1010-02					
S1010-03					
S1010-04					
S1010-05					
S1010-06					
S1010-07					
S1010-08					↓

SPECIAL INSTRUCTIONS / COMMENTS: 5-day turnaround. Due to pick-up delay by NET, due date per Nova is 10/18/90 5:00 p.m.

custody seal 10/11/90 @ 19:00 Custody seal intact @ 10/12

ENVIRONMENTAL GEOTECHNICAL CONSULTANTS INC. | CHAIN OF CUSTODY RECORD | FIGURE 5

JOB NO. | DATE

DRAWN BY | APPROVED BY

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa. CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Martha Schackman
Environmental Geotechnical
2495 Industrial Parkway W.
Hayward, CA 94545

Date: 10-24-90
NET Client Acct. No: 362
NET Pacific Log No: 4412
Received: 10-17-90 0800

Client Reference Information

5-Star Auto Service; Job: E168-01

Sample analysis in support of the project referenced above has been comp and results are presented on following pages. Please refer to the enclo "Key to Abbreviations" for definition of terms. Should you have questio regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

Enclosure(s)

NET

NET Pacific, Inc.

Client Acct: 362
Client Name: Environmental Geotechnical
NET Log No: 4412

Date: 10-24-90
Page: 2

~~Ref: 5-Star Auto Service; Job: E168-01~~

SAMPLE DESCRIPTION: W-1016-01 10-16-90 1330
LAB Job No: (-65412)

Parameter	Reporting Limit	Results	Units
Lead (EPA 7421)	0.002	ND	mg/L
PETROLEUM HYDROCARBONS		--	
VOLATILE (WATER)		--	
DILUTION FACTOR *		100	
DATE ANALYZED		10-19-90	
METHOD GC FID/5030		--	
as Gasoline	0.05	26	mg/L
METHOD 602		--	
DILUTION FACTOR *		100	
DATE ANALYZED		10-19-90	
Benzene	0.5	2,400	ug/L
Ethylbenzene	0.5	ND	ug/L
Toluene	0.5	1,800	ug/L
Xylenes, total	0.5	5,200	ug/L

NET Pacific, Inc.

Client Acct: 362 Date: 10-24-90
Client Name: Environmental Geotechnical Page: 3
NET Log No: 4412

~~Ref: 5-Star Auto Service; Job: E160-01~~

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	CVS % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	0.05	mg/L	85	ND	87	90	3.4
Benzene	0.5	ug/L	86	ND	106	110	3.7
Toluene	0.5	ug/L	88	ND	105	108	2.8
COMMENT: Blank Results were ND on other analytes tested.							
Lead	0.002	mg/L	100	ND	104	100	8.0

NET

NET Pacific, Inc.

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

125311

4412

SAMPLER Schackman CARRIER _____ DATE SHIPPED 10/16/90

COOLER NO. _____ NO. OF COOLERS _____ DATE RECEIVED _____

SHIP TO: NET Pacific

ATTN: Judy Ridley

TURNAROUND TIME:
- ☐ 24 HOURS
- ☒ 1 WEEK
- ☐ STANDARD

SEND RESULTS TO:
ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC
2495 INDUSTRIAL PARKWAY
HAYWARD, CA 94545
(415) 786-0243
ATTN: Martha Schackman

JOB NAME: 5-Star Auto Service JOB NO.: E168-01

RELINQUISHED BY: (SIGNATURE) Martha A. Schackman — RECEIVED BY: (SIGNATURE) Jeff Wickham — DATE: 10/16/90 TIME: 15:30

RELINQUISHED BY: (SIGNATURE) Jeff Wickham — RECEIVED BY: (SIGNATURE) T Temple — DATE: 10-17-90 TIME: 0800

RELINQUISHED BY: (SIGNATURE) _____ RECEIVED AT LAB BY: (SIGNATURE) _____ DATE: _____ TIME: _____

ANALYSIS REQUEST

SAMPLE I D NO.	SAMPLED DATE	SAMPLED TIME	MATRIX	SAMPLE CONTAINER	ANALYSIS REQUESTED	SAMPLE CONDITION UPON RECEIPT
W-1016-01	10/16/90	1330	Water	40-ml VOA's	GAS/BTEX/and Total Lead	

SPECIAL INSTRUCTIONS AND/OR COMMENTS:

custody seal 10/16/90 @ 19:30 custody seal intact

NOTES

DATE
JOB NO.
DWG NO.
DRAWN
CHK'D
APP'D

EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

FIGURE NO.

REV NO.