

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

June 4, 1996

STID 4437

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Murray Gelleri et al
6061 Shelter Bay Avenue
Mill Valley, CA 94149

RE: (FORMER) FOUR STAR BUILDING SUPPLY, 15444 HESPERIAN
BOULEVARD, SAN LEANDRO

Dear Mr. Gelleri et al:

This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please contact Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director of Environmental Services

enclosure

cc: Gordon Coleman, Acting Chief, Env. Protection Division
Kevin Graves, RWQCB
Mike Harper, SWRCB
Mike Bakaldin, San Leandro Fire Department
Files

- SIGNED
COPY -

01-0656

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 03/26/96

Agency name: Alameda County-EPD Address: 1131 Harbor Bay Pkwy #250
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Scott Seery Title: Sr. Haz. Materials Spec.

II. CASE INFORMATION

Site facility name: (former) Four Star Lumber Company
Site facility address: 15444 Hesperian Blvd., San Leandro 94578
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4437
URF filing date: 3/6/90 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

Barbara and Murray Gelleri 6061 Shelter Bay Ave.
Nancy and Maurice Brody Mill Valley, CA 94149

| <u>Tank No:</u> | <u>Size in gal.:</u> | <u>Contents:</u> | <u>Closed in-place or removed?:</u> | <u>Date:</u> |
|-----------------|----------------------|------------------|-------------------------------------|--------------|
| 1 | 2000 gallon | gasoline | removed | 02/01/90 |

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: tank leak

Site characterization complete? YES

Date approved by oversight agency: 9/25/95

Monitoring Wells installed? YES Number: 3

Proper screened interval? YES

Highest GW depth below ground surface: 6.31' Lowest depth: 10.66'

Flow direction: W - NW

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: S. L. Cone

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): NO

Report(s) on file? YES Where is report filed?

Alameda County
1131 Harbor Bay Pkwy
Alameda CA 94502
ENVIRONMENTAL

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
 Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Treatment and Disposal of Affected Material:

| <u>Material</u> | <u>Amount</u> (include units) | <u>Action (Treatment</u> <u>of Disposal w/destination)</u> | <u>Date</u> |
|-----------------|----------------------------------|---|-------------|
| Tank | 2000 gallon | <u>Disposal</u> - H&H Ship Service San Francisco, CA | 2/1/90 |
| Piping | NA | | |
| Free Product | " | | |
| Soil | ~ 388 yds ³ | <u>Disposal</u> - City of Hayward 3700 Enterprise, Hayward, CA | 8/28/95 |
| Groundwater | NA | | |
| Barrels | " | | |

| Contaminant | Soil (ppm) | | Water (ppb) | | |
|------------------|---------------------|--------------------|---------------------|--------------------|-----|
| | Before ¹ | After ² | Before ³ | After ⁴ | |
| TPH (Gas) | 4700 | ND | ND | 80,000 | 790 |
| TPH (Diesel) | 110 | NA | " | NA | NA |
| Benzene | 13 | ND | " | 140 | 2.3 |
| Toluene | 130 | " | " | 180 | ND |
| Xylene | 285 | 0.009 | " | 970 | 37 |
| Ethylbenzene | 62 | ND | " | 440 | 19 |
| Other: organo Pb | 3.0 | 0.83 | " | NA | NA |

- NOTES:
- 1) "Before" soil results represent samples collected from below UST @ 9' depth during 1990 closure activities.
 - 2) "After" soil results represent sample S-21 collected from completed overexcavation sidewall @ 10' depth, except for the "after" organolead result which represents a follow-up sample (sample #2) from the 12' depth collected following UST closure.
 - 3) "Before" water results represent samples collected from completed wells.
 - 4) First column "after" water results represent "grab" sample collected from boring BH15 emplaced through the concrete floor of the main building during April 1994. Second column "after" water results represent a single "grab" sample collected from a boring advanced 80' WNW of the former UST pit during June 1995.

Comments (Depth of Remediation, etc.):

A single gasoline UST was removed from a location adjacent the "main building" at some time on or around February 1, 1990 under San Leandro Fire Department oversight. Although no final report has been issued to this agency, the condition of the tank was reportedly poor and the soil material surrounding it exhibited evidence of a release. Initial samples collected at the ~ 9' depth revealed elevated TPH-G and BTEX concentrations (Example: 4700 ppm TPH-G and 13 ppm benzene - sample #1). A subsequent sample collected at the 12' depth (sample #2) still exhibited elevated TPH-G (1900 ppm) and TEX concentrations.

Leaking Underground Fuel Storage Tank Program

Subsequent to UST closure, three separate phases of soil assessment occurred between 1990 and 1994. These assessments included an exploration of materials below both the concrete floor of the main building and asphalt parking lot/driveway immediately north of the building in an attempt to define the extent of contamination. Contaminants appeared to be significantly limited to materials encountered within the capillary fringe.

This preliminary work lead to the excavation of impacted material to an approximate depth of 11' below grade. Affected sediments were most evident in the apparent capillary fringe or "smear zone." Final samples collected from the resultant excavation sidewalls revealed the near absence of latent fuel compounds at the 7 and 10' depths. Although noteworthy contaminant concentrations were identified in the 12' sample (BH15-12') collected from the apparent smear zone in boring BH-15, advanced through the floor of the main building, excavation of the area was not reasonably expected.

Excavated material was proposed to have been reintroduced to the subject site following successful, on-site treatment (aeration). However, ~ 388 yds³ material was instead reportedly transported as "clean fill" to a site operated by the City of Hayward Public Works Department, 3700 Enterprise Avenue, during August 1995 without consent of this agency.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommissioned: NO (pending case closure)

Number Decommissioned: 0 Number Retained: 3

List enforcement actions taken: NONE

List enforcement actions rescinded: NONE

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr. Haz Mat Specialist
Signature:  Date: 3/26/96

Leaking Underground Fuel Storage Tank Program

Reviewed by

Name: Amy Leech Title: Haz Mat Specialist

Signature: *A. Leech* Date: 3/26/96

Name: Thomas Peacock Title: Program Manager

Signature: *T. Peacock* Date: 3-28-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 3/28/96

RWQCB Staff Name: Kevin Graves

RB Response: *Approved*

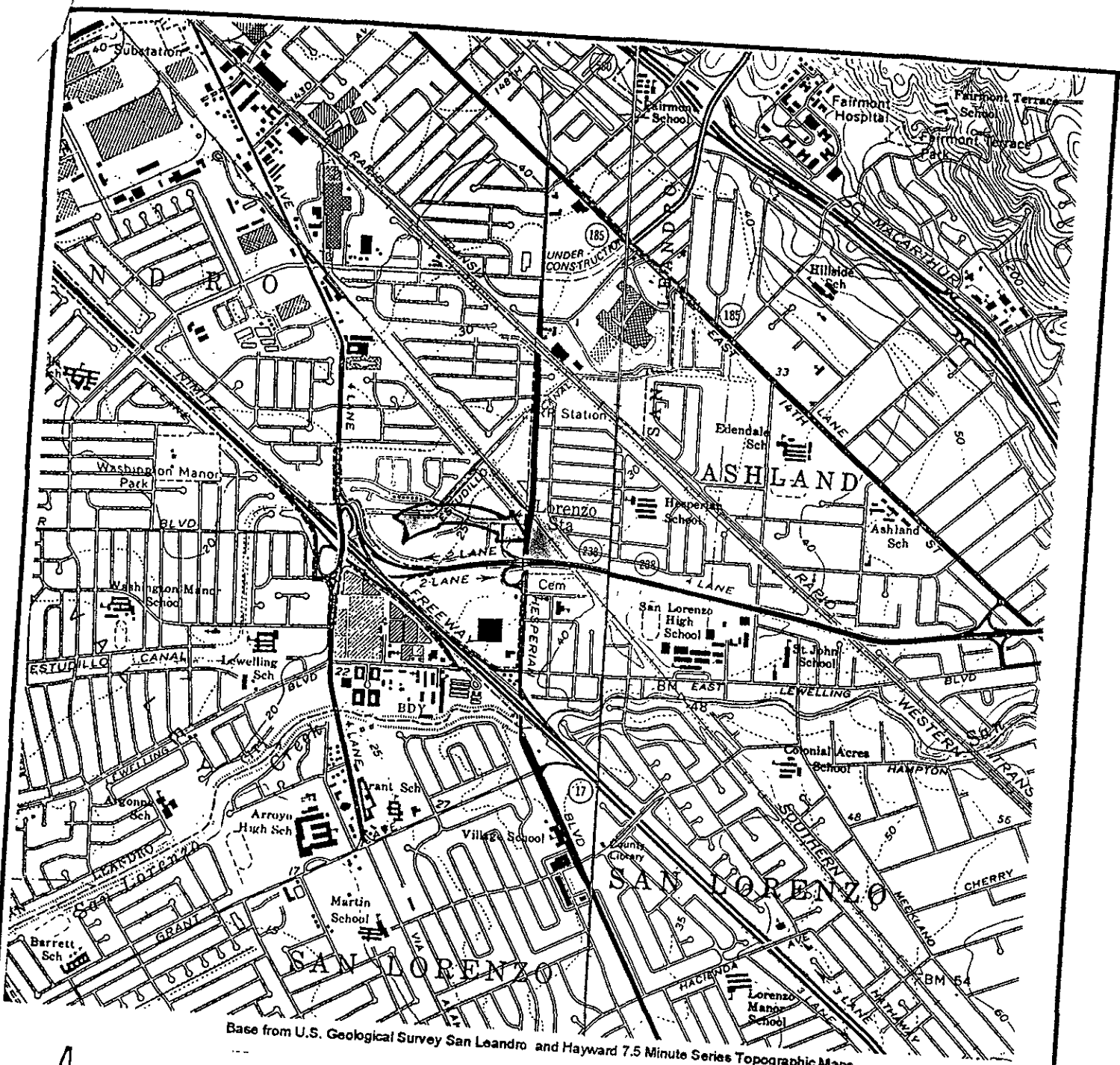
Title: San. Eng. Assoc. Date: 4/16/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

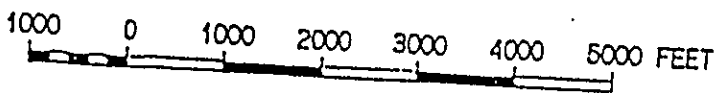
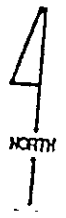
Immediately following the 1990 UST closure, two soil borings were advanced about the tank pit and a single ground water monitoring well constructed. Two additional wells were subsequently installed in 1994. All water samples collected from completed wells for the duration of the project have been below laboratory detection limits for targeted compounds, TPH-G and BTEX.

Review of historic calculated ground water flow directions showed that none of the wells were ideally located to intercept potential contaminants derived from the UST area. Consequently, a single soil boring was advanced ~ 80' NW of the completed former UST pit, just downgradient of the final remedial excavation, from which a "grab" water sample was collected. This sample revealed the presence of detectable TPH-G and BEX target compounds.

Comparison of latent soil (smear zone) and ground water concentrations for target compounds with conservative ASTM RBCA Tier 1 "Look-up Table" values indicates that no apparent health risk (cancer risk $<10^{-4}$) from exposure is presented to individuals working inside or outside the main building. Therefore, no additional remedial action is warranted.



Base from U.S. Geological Survey San Leandro and Hayward 7.5 Minute Series Topographic Maps



H₂OGEOL
A GROUND WATER CONSULTANCY

**SITE LOCATION MAP
HESPERIAN PROPERTIES
15444 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA**

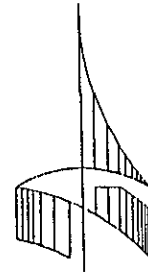
**FIGURE
1**



Groundwater Grab Sample Location

Previous borehole by Environmental Bio-Systems (location: very approximate).

BASE MODIFIED FROM ENVIRONMENTAL BIO-SYSTEMS, INC
ALL SITE FEATURES AND DIAGNOSTIC
WELL LOCATIONS APPROXIMATE



0 10 20 30 40 50



APPROXIMATE SCALE
(FEET)

HESPERIAN BOULEVARD

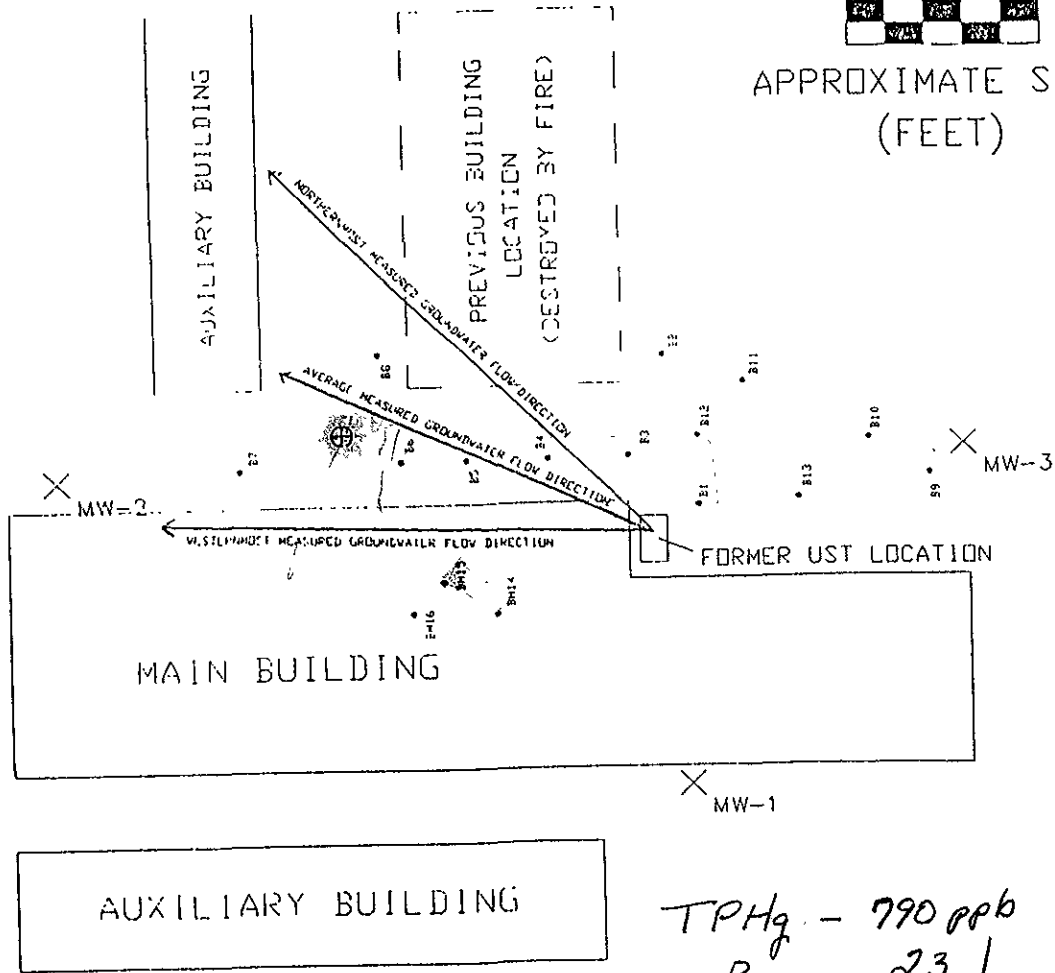


TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS

| | Depth to Water | Groundwater Elevation |
|-------------------------------------|----------------------|--------------------------|
| MW-1 (Casing Top Elevation - 32.25) | | |
| 05/16/94 | 9.11 | 23.14 |
| 08/31/94 | 10.66 | 21.59 |
| 12/22/94 | 9.32 | 22.93 |
| 03/23/95 | 6.75 | 25.50 |
| MW-2 (Casing Top Elevation - 30.88) | | |
| 05/16/94 | 8.28 | 22.60 |
| 08/31/94 | 9.75 | 21.13 |
| 12/22/94 | 8.60 | 22.28 |
| 03/23/95 | 6.45 | 24.43 |
| MW-3 (Casing Top Elevation - 32.26) | | |
| 05/16/94 | 9.04 | 23.22 |
| 08/31/94 | 10.62 | 21.64 |
| 12/22/94 | 9.38 | 22.88 |
| 03/23/95 | 6.31 | 25.95 |

Notes:

05/16/94 - Environmental Bio-Systems
 08/31/94 - Environmental Bio-Systems
 12/22/94 - Decon Environmental Services
 03/23/95 - Decon Environmental Services

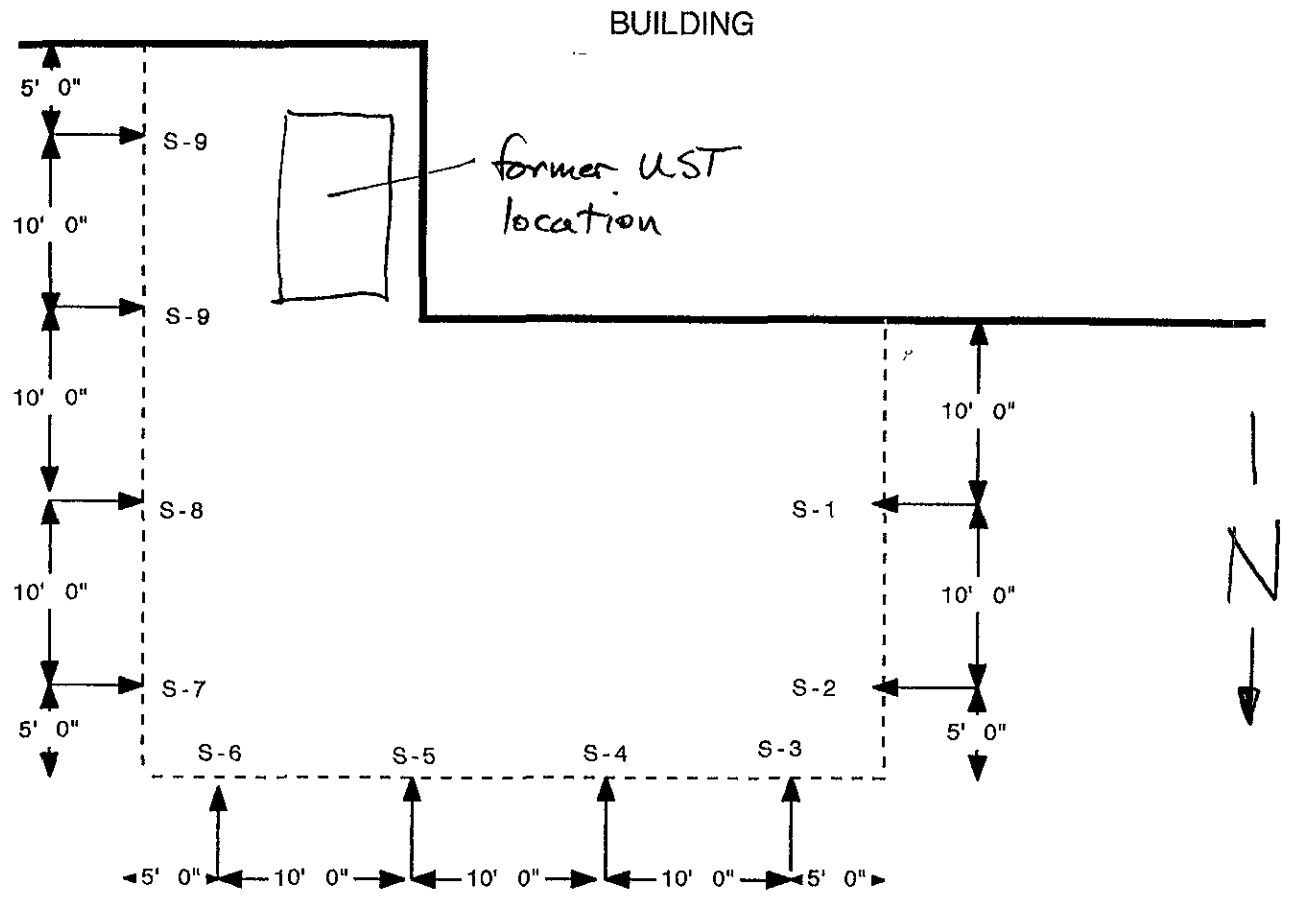
TABLE 2
SUMMARY OF ANALYTICAL RESULTS

| Quarter | TPH-G | Benzene | Toluene | Ethyl- benzene | Total Xylenes |
|----------|--------------|--------------|--------------|-------------------|------------------|
| MW-1 | | | | | |
| 05/16/94 | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED |
| 08/31/94 | <50 | <0.5 | <0.5 | <0.5 | <2.0 |
| 12/22/94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/23/95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-2 | | | | | |
| 05/16/94 | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED |
| 08/31/94 | <50 | <0.5 | <0.5 | <0.5 | <2.0 |
| 12/22/94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/23/95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-3 | | | | | |
| 05/16/94 | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED | NOT PROVIDED |
| 08/31/94 | <50 | <0.5 | <0.5 | <0.5 | <2.0 |
| 12/22/94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |
| 03/23/95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 |

Notes:

- 05/16/94 - Environmental Bio-Systems/Unknown
- 08/31/94 - Environmental Bio-Systems/American Environmental Network
- 12/22/94 - Decon Environmental Services/Superior Precision Analytical
- 03/23/95 - Decon Environmental Services/Superior Precision Analytical

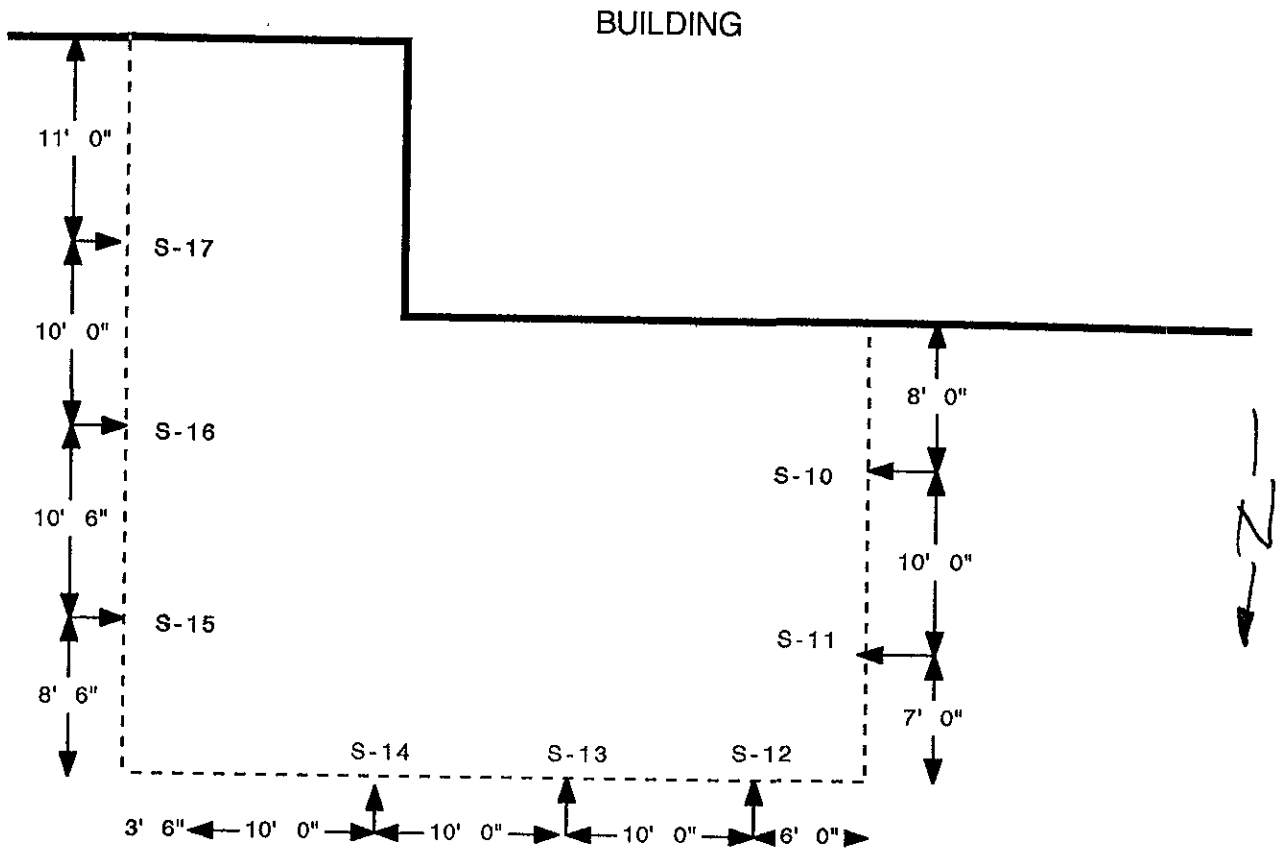
OVER EXCAVATION SAMPLE LOCATIONS



SAMPLES COLLECTED 7' BELOW FINISH GRADE

ALL SAMPLES S-1 THROUGH S-6 TESTED NONE DETECT FOR TPH-G AND B.T.X.E.

FIGURE 1



SAMPLES COLLECTED 10' BELOW FINISH GRADE

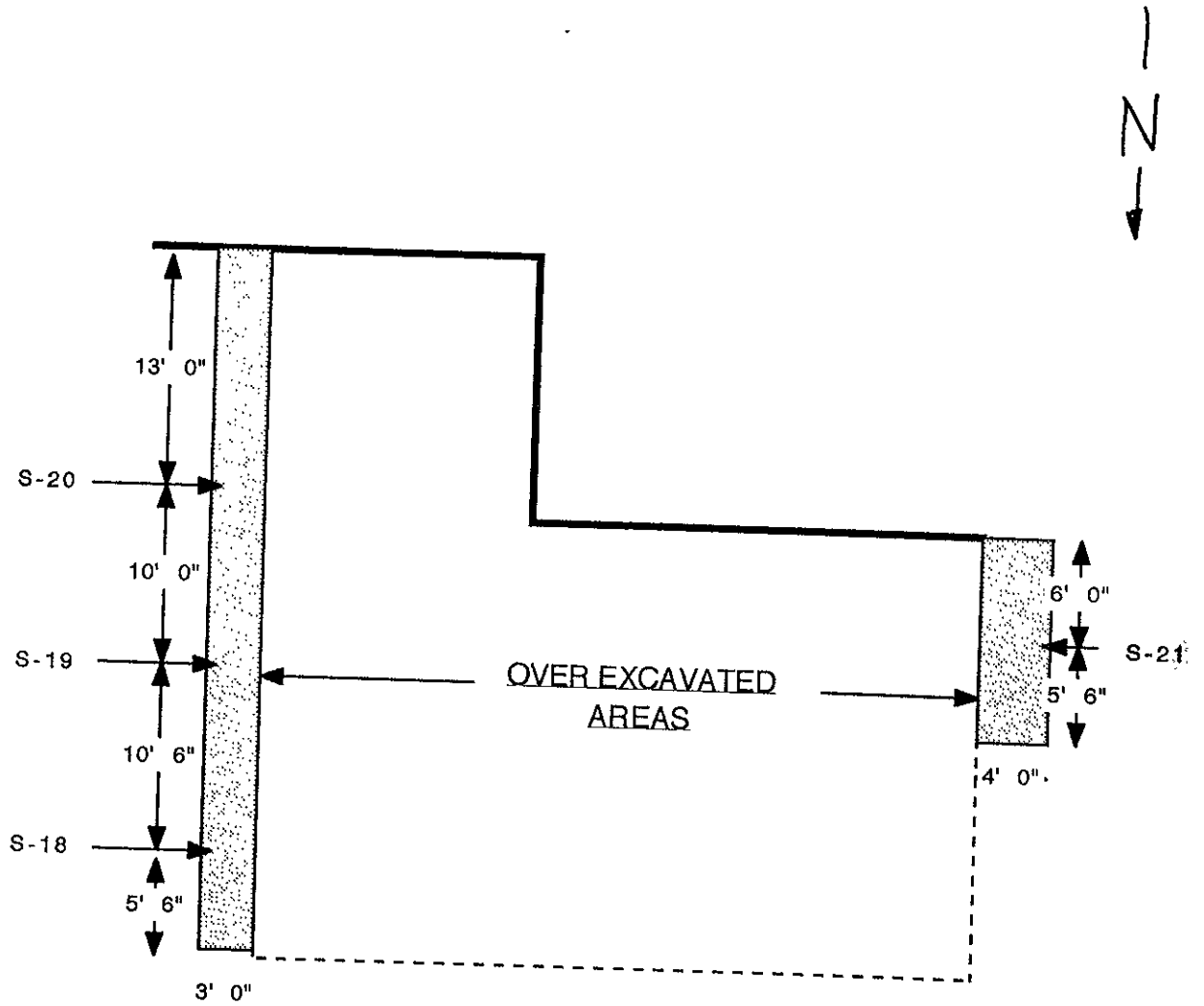
SAMPLES S-11,S-12,S-13,S-14 TESTE NONE DETECT FOR TPH-G AND B.T.X.E.

SEE SUPERIOR ANALYTICAL FOR RESULTS OF S-10, S-15, S-16, AND S-17

| | TPH-G | B | T | E | X |
|------|-------|------|-------|-------|-------|
| S-10 | ND | ND | ND | 0.026 | 0.017 |
| 15 | 110 | " | 0.018 | 0.016 | 0.11 |
| 16 | 20 | " | 0.07 | 0.19 | 0.65 |
| 17 | 2400 | 0.95 | 13 | 46 | 260 |

FIGURE 2

FINAL EXCAVATION
SAMPLE LOCATIONS



SAMPLES COLLECTED AT 10' BELOW FINISH GRADE
SAMPLE S-21: 009 mg/kg XYLENES

FIGURE 3

REPORT ON SOIL EXPLORATION

AT

**FOUR STAR BUILDING SUPPLY COMPANY
15440 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA**

PROJECT #035-142-02

**PREPARED BY ENVIRONMENTAL BIO-SYSTEMS, INC.
FOR
HESPERIAN PROPERTIES**

92 JUN 15 2011:15

Gillian S. Holmes

Gillian S. Holmes
G.E. 2023



Timothy M. Babcock

Timothy M. Babcock
Project Manager

January 30, 1991

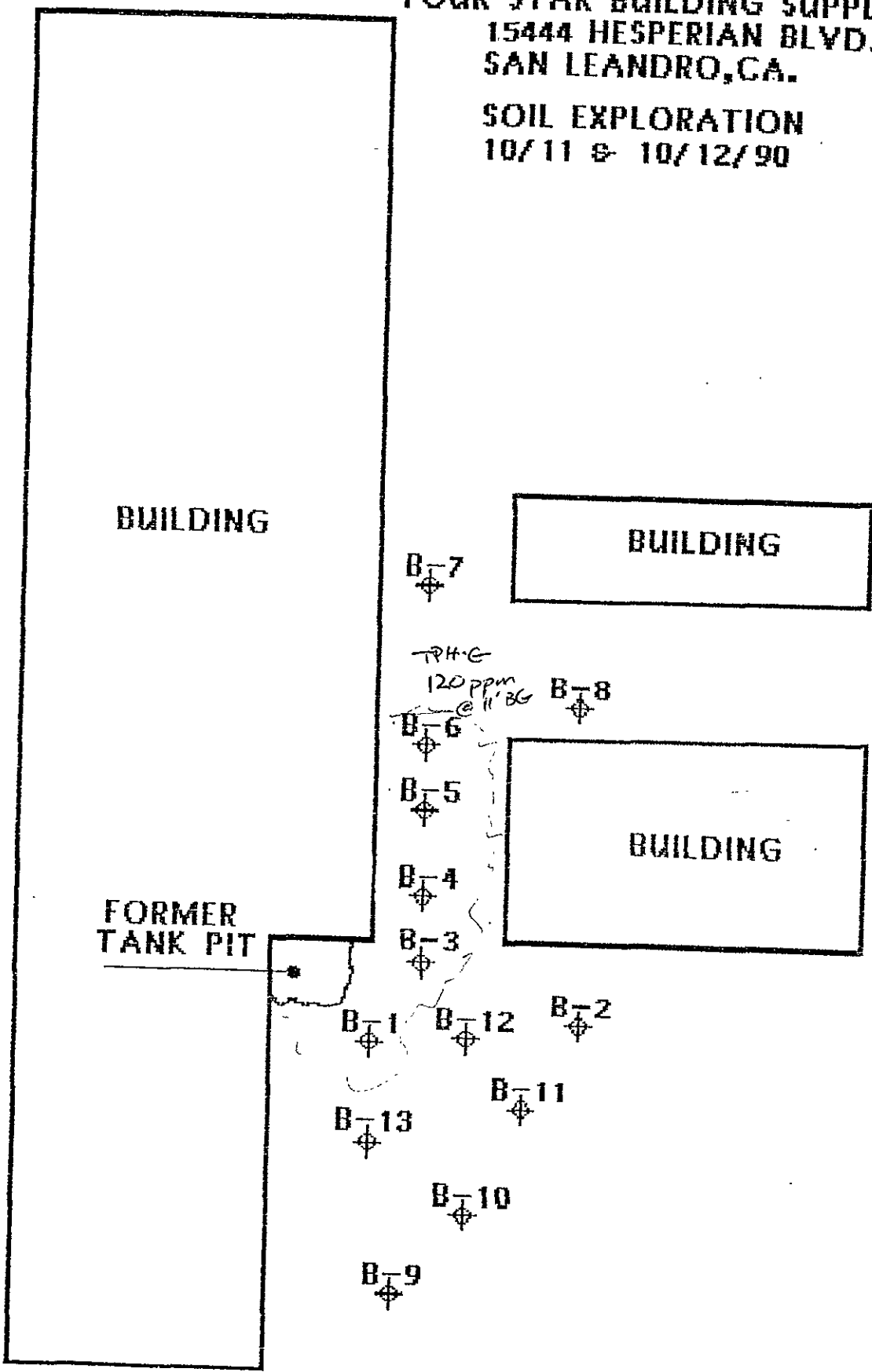
FOUR STAR BUILDING SUPPLY CO.

15444 HESPERIAN BLVD.

SAN LEANDRO, CA.

SOIL EXPLORATION

10/11 & 10/12/90



BUILDING

BUILDING

BUILDING

FORMER TANK PIT

B-7

B-8

B-6

B-5

B-4

B-3

B-1

B-12

B-2

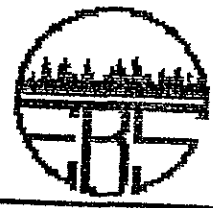
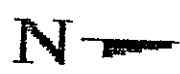
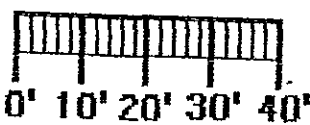
B-13

B-11

B-10

B-9

RHC
120 PPM
@ 11\"/>



B = EXPLORATORY BORING

FIGURE 2

TABLE 1: Results of Laboratory Analyses (ppm)


Soil

Hesperian Properties
 15440 Hesperian Boulevard
 San Leandro, California


| Sample | Boring | TPH as | | | Ethyl- | |
|---------|--------|----------|---------|---------|---------|---------|
| | | Gasoline | Benzene | Toluene | benzene | Xylenes |
| #2-(11) | B-2 | *ND | ND | ND | ND | ND |
| #2-13 | B-2 | ND | ND | ND | ND | ND |
| #6-11 | B-6 | 120 | ND | 1.7 | 6.3 | 6.8 |
| #7-11 | B-7 | 4.1 | ND | 0.024 | ND | 0.028 |
| #7-13 | B-7 | 7.2 | ND | 0.058 | ND | 0.071 |
| #8-11 | B-8 | ND | ND | ND | ND | ND |
| #8-13 | B-8 | ND | ND | ND | ND | ND |
| #9-11 | B-9 | ND | ND | ND | ND | ND |
| #9-13 | B-9 | ND | ND | ND | ND | ND |
| #10-11 | B-10 | ND | ND | ND | ND | ND |
| #10-13 | B-10 | ND | ND | ND | ND | ND |
| #11-11 | B-11 | ND | ND | ND | ND | 0.011 |
| #11-13 | B-11 | ND | ND | ND | ND | ND |
| #12-11 | B-12 | ND | ND | ND | ND | ND |
| #12-13 | B-12 | ND | ND | ND | ND | ND |
| #13-11 | B-13 | 1.7 | 0.018 | 0.057 | 0.034 | 0.064 |
| #13-13 | B-13 | ND | 0.01 | ND | ND | 0.007 |

*ND= analyte not detected by laboratory method


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 12, 1990 | N S.P.T. (BLOWS/FT) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) *FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|------------------------|----------------------------|---|---------------------------|--|-------------------------|----------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | | | | |
| 0 | | | Asphalt, 1 inch. | | | | |
| | SM | | Silty SAND, dark brown, damp, nonplastic, drills as loose, with a little clay, no product odor. FILL. | | | | |
| | SM | | Silty SAND, brown, damp, nonplastic, drills as loose, no product odor. | | | | |
| | | | With some gravel. | | | | |
| | | CL | Silty CLAY, brown, damp to moist, plastic, drills as stiff, no product odor. | | | | |
| 10 | 13-11 | CL | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 11 | | | |
| | 13-13 | CL | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 11 | | | |
| 15 | | | Boring terminated at 13½ feet at depth sufficient for study. | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

| | | | | |
|-----------|-------------------|---|---|------------|
| NOTES | DATE Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. |
| | JOB No 035-142-02 | | | 15 |
| | DESC'D gsh | | | |
| | DRAWN gsh | | | |
| | CHK'D tmb | | | |
| APP'D gsh | BORING LOG B-13 | REV NO. | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 12, 1990 | N S.P.T. (BLOWS/FT.) APPROXIMATE FOR LARGER DIAMETER SAMPLERS | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) *FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|------------------------|----------------------------|---|--|---|----------------------|-------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| DESCRIPTION | | | | | | | |
| 0 | | SM | Asphalt, 1 inch. Silty SAND, dark brown, damp, nonplastic, drills as loose, no product odor. Color change to brown. | | | | |
| | | CL | Silty CLAY, brown, damp to moist, plastic, drills as stiff, no product odor. | | | | |
| 12-11 | | CL | Silty CLAY, brown, damp to moist, plastic, drills as stiff, no product odor. | 12 | | | |
| 12-13 | | CL | Silty CLAY, brown, damp to moist, plastic, drills as stiff, no product odor. | 17 | | | |
| 15 | | | Boring terminated at 13½ feet at depth sufficient for study. | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

| | | | | |
|-----------|--------------------|---|--|------------|
| NOTES | DATE Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California BORING LOG B-12 | FIGURE NO. |
| | JOB NO. 035-142-02 | | | 14 |
| | DES'G'D gsh | | | REV NO. |
| | DRAWN gsh | | | |
| | CHK'D tmb | | | |
| APP'D gsh | | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | | |
|--------------|------------------------|----------------------------|---|----------------------------|---|---|--------------------------------------|----------------------------|
| | | | SURFACE ELEVATION: | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | FIELD PENETROMETER APPROXIMATE | DRY DENSITY (P.C.F.) |
| | | | DESCRIPTION | | | | | |
| 0 | | | Asphalt, 1 inch. | | | | | |
| | CL/SC | | Silty and sandy CLAY/silty and clayey SAND, dark brown, damp, non to slightly plastic, drills as med. stiff/loose, no product odor. | | | | | |
| | SM | | Silty SAND, brown, damp, drills as loose, no product odor. With some gravel. | | | | | |
| | CL | | Silty CLAY, brown, damp, plastic, drills as stiff, no product odor. | | | | | |
| 11-11 | CL | | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 10 | | | | |
| 11-13 | CL | | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 14 | | | | |
| 15 | | | Boring terminated at 13½ feet at depth sufficient for study. | | | | | |

| | | | | | | |
|-------|---------|-----------------|---|---|------------|----|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. | 13 |
| | JOB NO. | 035-142-02 | | | | |
| | DES'G'D | qsh | | | | |
| | DRAWN | qsh | | | | |
| | CHK'D | tmb | | | | |
| APP'D | qsh | BORING LOG B-11 | REV NO. | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: | N S.P.T. (BLOWS/FT.) | qu UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) *FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|------------------------|----------------------------|---|---|--|----------------------------|--|
| | | | SURFACE ELEVATION: | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| | | | DESCRIPTION | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | | | |
| 0 | | | Asphalt, 1 inch. | | | | |
| | CL | | Silty and sandy CLAY, dark brown, damp, slightly plastic, drills as stiff, with brick debris, no product odor. FILL. | | | | |
| | SM | | Silty SAND, brown, damp, drills as loose, no product odor. | | | | |
| | CL | | Silty CLAY, dark brown, damp, plastic, drills as stiff. Increase in moisture. | | | | |
| 10-11 | CL | | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 10 | | | |
| 10-13 | CL | | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 13 | | | |
| 15 | | | Trace of water on shoe of sample from 12 to 13½ feet. Boring terminated at 13½ feet at depth sufficient for study. | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

| | | | | | | | |
|-------|---------|------------|---|---|-----------------|---------|--|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. | 12 | |
| | JOB NO. | 035-142-02 | | | BORING LOG B-10 | REV NO. | |
| | DES'G'D | gsh | | | | | |
| | DRAWN | gsh | | | | | |
| | CHK'D | Emb | | | | | |
| APP'D | gsh | | | | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 12, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) *FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|------------------------|----------------------------|---|----------------------------|--|----------------------|-------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | | | | |
| 0 | | CL | Asphalt, 1 inch. Silty and sandy CLAY, dark brown, damp, slightly plastic, drills as medium stiff, no product odor. FILL. | | | | |
| 6 | | SM/ML | Silty SAND, Sandy SILT, brown, damp, non-plastic, drills as loose/med. stiff, no product odor. | | | | |
| 10 | | CL | Silty CLAY, brown, moist, plastic, drills as stiff, no product odor. | | | | |
| 9-11 | | CL | Silty CLAY, brown, moist, plastic, stiff, no product odor. | 11 | | | |
| 9-13 | | CL | Silty CLAY, brown, moist, plastic, very stiff, no product odor. | 17 | | | |
| 16 | | | Boring relocated after concrete and metal fragments were encountered at 2½ feet deep. Boring terminated at 13½ feet at depth sufficient for study. | | | | |

| | | | | | | |
|-------|---------|------------|---|---|------------|----|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California BORING LOG B-9 | FIGURE NO. | 11 |
| | JOB NO | 035-142-02 | | | | |
| | DES'G'D | gsh | | | | |
| | DRAWN | gsh | | | | |
| | CHK'D | tmb | | | | |
| APP'D | gsh | | REV NO. | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | qu UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|--|----------------------------|---|----------------------------|---|----------------------|-------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | | | | |
| 0 | | SM/SC | Asphalt, 1 inch. Silty and clayey SAND, brown, damp, non-plastic, drills as loose, no product odor. | | | | |
| 8 | | CL | Silty CLAY, dark brown, moist, plastic, drills as stiff, with a little sand, no product odor. Color change to brown. Slight increase in moisture. | | | | |
| 10 | 8-11 | CL | Silty CLAY, brown, moist, plastic, stiff, trace of sand, no product odor. | 13 | | | |
| 13 | 8-13 | CL | Silty CLAY, brown, moist, plastic, very stiff, trace of sand, no product odor. | 25 | | | |
| 15 | Boring terminated at 13½ feet at depth sufficient for study. | | | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

| | | | | |
|-----------|--------------------|---|---|------------------|
| NOTES | DATE Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. 10 |
| | JOB NO. 035-142-02 | | | |
| | DES'G'D gsh | | | |
| | DRAWN gsh | | | |
| | CHK'D tmb | | | |
| APP'D gsh | BORING LOG B-8 | REV NO. | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|--|----------------------------|--|--|---|----------------------|---------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT (% DRY WEIGHT) |
| | | | DESCRIPTION | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | FIELD PENETROMETER APPROXIMATE | | |
| 0 | | | Asphalt, 1 inch. | | | | |
| | SM | | Silty SAND, brown, damp, drills as loose, with a little gravel, no product odor. FILL. | | | | |
| | SM/ML | | Silty SAND/Sandy SILT, dark brown, damp, drills as loose, no product odor. FILL. | | | | |
| 6 | SM | | Silty SAND, brown, damp, drills as loose, no product odor. | | | | |
| | CL | | Silty CLAY, brown, moist to wet, plastic, drills as stiff, no product odor. | | | | |
| 10 | 7-11 | CL | Silty CLAY, greyish brown, moist, plastic, stiff, no product odor. | 11 | | | |
| | 7-13 | CL | Silty CLAY, greyish brown, moist, plastic, very stiff, no product odor. | 23 | | | |
| 15 | Boring terminated at 13½ feet at depth sufficient for study. | | | | | | |
| 20 | | | | | | | |
| 28 | | | | | | | |
| 30 | | | | | | | |

| | | | | | | |
|-------|---------|----------------|---|---|------------|---|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. | 9 |
| | JOB NO. | 035-142-02 | | | | |
| | DES'G'D | gsh | | | | |
| | DRAWN | gsh | | | | |
| | CHK'D | tmb | | | | |
| APP'D | gsh | BORING LOG B-7 | REV NO. | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|------------------------|----------------------------|--|--------------------------------|---|----------------------|---------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT (% DRY WEIGHT) |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | FIELD PENETROMETER APPROXIMATE | | | |
| 0 | | | Asphalt, 1 inch. Silty and clayey SAND, dark brown, damp, nonplastic, drills as loose, no product odor. FILL. | | | | |
| 5 | | SM/SC | Rock and brick fragments. Silty SAND/Sandy SILT, brown, damp, nonplastic, drills as loose/med. stiff. FILL. | | | | |
| | | SM | Silty SAND, brown, damp, drills as loose, no product odor. | | | | |
| 10 | | CL | Silty CLAY, dark brown, moist, no odor. | | | | |
| | | CL | Silty CLAY, greenish grey, moist, plastic, drills as stiff, moderate gasoline odor. | | | | |
| | 6-11 | CL | Silty CLAY, greenish grey, moist, plastic, medium stiff, moderate gasoline odor. | 7 | | | |
| 15 | | | Boring terminated at 11½ feet at depth sufficient for study. | | | | |

| | | | | | | |
|-------|---------|----------------|---|---|------------|---|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. | 8 |
| | JOB NO. | 035-142-02 | | | | |
| | DES'G'D | gsh | | | | |
| | DRAWN | gsh | | | | |
| | CHK'D | tmb | | | | |
| APP'D | gsh | BORING LOG B-6 | REV NO. | | | |


| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|------------------------|----------------------------|--|---------------------------------|---|----------------------|---------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT (% DRY WEIGHT) |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | *FIELD PENETROMETER APPROXIMATE | | | |
| 0 | | | Asphalt, 1 inch. | | | | |
| | SM/ ML | | Silty and clayey SAND/sandy and clayey SILT, dark brown, damp, non to slightly plastic, drills as loose/med. stiff, no product odor. Grades sandier. | | | | |
| 5 | SM | | Silty SAND, brown, damp, drills as loose, no product odor. | | | | |
| 10 | CL | | Silty CLAY, greenish grey, moist, plastic, moderate gasoline odor. | | | | |
| 15 | | | No sample collected because of discoloration and odor indicative of contamination in auger cuttings from 9 to 10 feet. Boring terminated at 10 feet at depth sufficient for study. | | | | |
| 20 | | | | | | | |
| 25 | | | | | | | |
| 30 | | | | | | | |

| | | | | |
|-----------|--------------------|---|---|------------|
| NOTES | DATE Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California BORING LOG B-5 | FIGURE NO. |
| | JOB NO. 035-142-02 | | | 7 |
| | DES'G'D gsh | | | |
| | DRAWN gsh | | | |
| | CHK'D tmb | | | |
| APP'D gsh | | REV NO. | | |

| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|------------------------|----------------------------|--|--|---|----------------------|---------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT (% DRY WEIGHT) |
| | | | DESCRIPTION | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | *FIELD PENETROMETER APPROXIMATE | | |
| 0 | | SM SC | Asphalt, 1 inch. Silty and clayey SAND, dark brown, damp, drills as loose, no product odor. | | | | |
| 6 | | SM | Silty SAND, brown, damp, drills as medium dense, no product odor. | | | | |
| 10 | | CL | Silty CLAY, greenish grey, moist, stiff, moderate gasoline odor. | 9 | | | |
| 10 to 11 1/2 | | | Sample from 10 to 11 1/2 feet not retained because of discoloration and odor indicative of contamination. Boring terminated at 11 1/2 feet at depth sufficient for study. | | | | |

| | | | | |
|-----------|--------------------|---|---|------------|
| NOTES | DATE Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California BORING LOG B-4 | FIGURE NO. |
| | JOB NO. 035-142-02 | | | 6 |
| | DES'G'D gsh | | | |
| | DRAWN gsh | | | |
| | CHK'D tmb | | | |
| APP'D gsh | | REV NO. | | |

| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCOMPIED COMPRESSIVE STRENGTH (T.S.F.) *FIELD PENETROMETER APPROXIMATE | IN PLACE | |
|--------------|------------------------|----------------------------|---|--|---|----------------------|-------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| | | | DESCRIPTION | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | | | |
| 0 | | CL | Asphalt, 1/2 inch. Silty and sandy CLAY, dark brown, damp, slightly plastic, drills as medium stiff, no product odor. | | | | |
| 4 | | SM/ML | Silty SAND/Sandy SILT, brown, damp, non to slightly plastic, drills as loose/med. stiff, no product odor. Slight product odor. | | | | |
| 10 | 3-11 | CL | Silty CLAY, greenish grey, moist, plastic, drills as stiff, moderate gasoline odor. | 8 | | | |
| 13 | 3-13 | CL | Silty CLAY, dark grey, moist, plastic, v. stiff, slight gasoline odor. | 20 | | | |
| 13 1/2 | | | Boring terminated at 13 1/2 feet at depth sufficient for study. | | | | |

| | | | | | |
|-------|----------|------------|---|---|----------------------------|
| NOTES | DATE | Oct., 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California BORING LOG B-3 | FIGURE NO. 5 REV NO. |
| | JOB NO. | 035-142-02 | | | |
| | DESIGN'D | gsh | | | |
| | DRAWN | gsh | | | |
| | CHK'D | tmb | | | |
| APP'D | gsh | | | | |

| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|--|----------------------------|---|----------------------------|---|---|---------------------------------------|
| | | | SURFACE ELEVATION: | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | *FIELD PENETROMETER APPROXIMATE |
| | | | DESCRIPTION | | | | |
| 0 | | ML | Asphalt, 1/2 inch. Sandy and clayey SILT, dark brown, damp, slightly plastic, drills as soft, no product odor. | | | | |
| 8 | | SM | Silty SAND, brown, damp, non plastic, drills as loose, no product odor. With some fine gravel. | | | | |
| 10 | 2-11 | CL | Silty CLAY, brown, moist, plastic, stiff, no product odor, with a little fine sand. | 12 | | | |
| 12 | 2-13 | CL | Silty CLAY, brown, moist, plastic, very stiff, no product odor. | 23 | | | |
| 15 | Boring terminated at 13 1/2 feet at depth sufficient for study. | | | | | | |

NOTES

DATE Oct. 1990
 JOB NO. 035-142-02
 DESG'D gsh
 DRAWN gsh
 CHK'D tmb
 APP'D gsh



ENVIRONMENTAL BIO-SYSTEMS, INC.
 Innovative Solutions for a Better Environment

Four Star Lumber Company
 San Leandro, California


BORING LOG B-2

FIGURE NO.

4

REV NO.

| DEPTH (FEET) | SAMPLE NUMBER AND TYPE | LOG AND LOCATION OF SAMPLE | DATE OF BORING: October 11, 1990 | N S.P.T. (BLOWS/FT.) | QU UNCONFINED COMPRESSIVE STRENGTH (T.S.F.) | IN PLACE | |
|--------------|------------------------|----------------------------|---|--------------------------------|---|----------------------|-------------------------------|
| | | | SURFACE ELEVATION: Approximately 40 feet. | | | DRY DENSITY (P.C.F.) | MOISTURE CONTENT % DRY WEIGHT |
| DESCRIPTION | | | APPROXIMATE FOR LARGER DIAMETER SAMPLERS | FIELD PENETROMETER APPROXIMATE | | | |
| 0 | | | Asphalt, 1 inch. | | | | |
| | CL/ ML | | Silty and sandy CLAY, dark brown, damp, medium plasticity, drills as medium stiff, no product odor. | | | | |
| 4 | SM/ ML | | Silty SAND/Sandy SILT, brown, damp, non plastic, drills as loose to medium dense, no product odor. | | | | |
| 10 | 1-11 | CL | Silty and sandy CLAY, greenish brown, moist to wet, mod. gasoline odor. | 22 | | | |
| | 1-13 | | Silty CLAY, dark greenish grey, moist, v. stiff, plastic, moderate gasoline odor. | | | | |
| | | | Silty CLAY, brownish grey, wet, plastic, stiff, v. slight odor. | 11 | | | |
| 15 | | | Boring terminated at 13½ feet at depth sufficient for study. | | | | |

| | | | | | | |
|-------|---------|----------------|---|---|------------|---|
| NOTES | DATE | Oct. 1990 |  ENVIRONMENTAL BIO-SYSTEMS, INC. Innovative Solutions for a Better Environment | Four Star Lumber Company San Leandro, California | FIGURE NO. | 3 |
| | JOB NO. | 035-142-02 | | | | |
| | DES'G'D | qsh | | | | |
| | DRAWN | qsh | | | | |
| | CHK'D | tmb | | | | |
| APP'D | qsh | BORING LOG B-1 | REV NO. | | | |

SUBSURFACE SOIL AND
GROUND WATER EXPLORATION
PROJECTS 035-280B & 035-299B

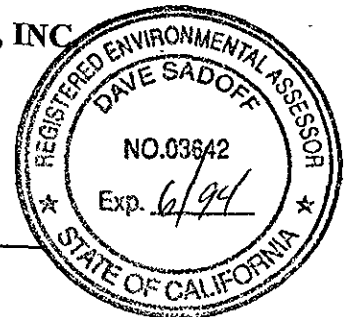
15444 HESPERIAN BOULEVARD
SAN LEANDRO, CALIFORNIA

5/31/94

PREPARED BY ENVIRONMENTAL BIO-SYSTEMS, INC
FOR
HESPERIAN PROPERTIES

Dave A. Sadoff

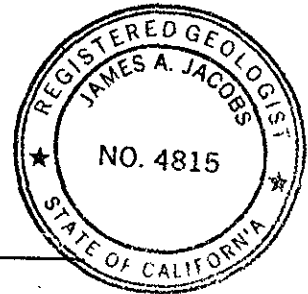
Dave A. Sadoff, R.E.A. 03642
Project Geologist



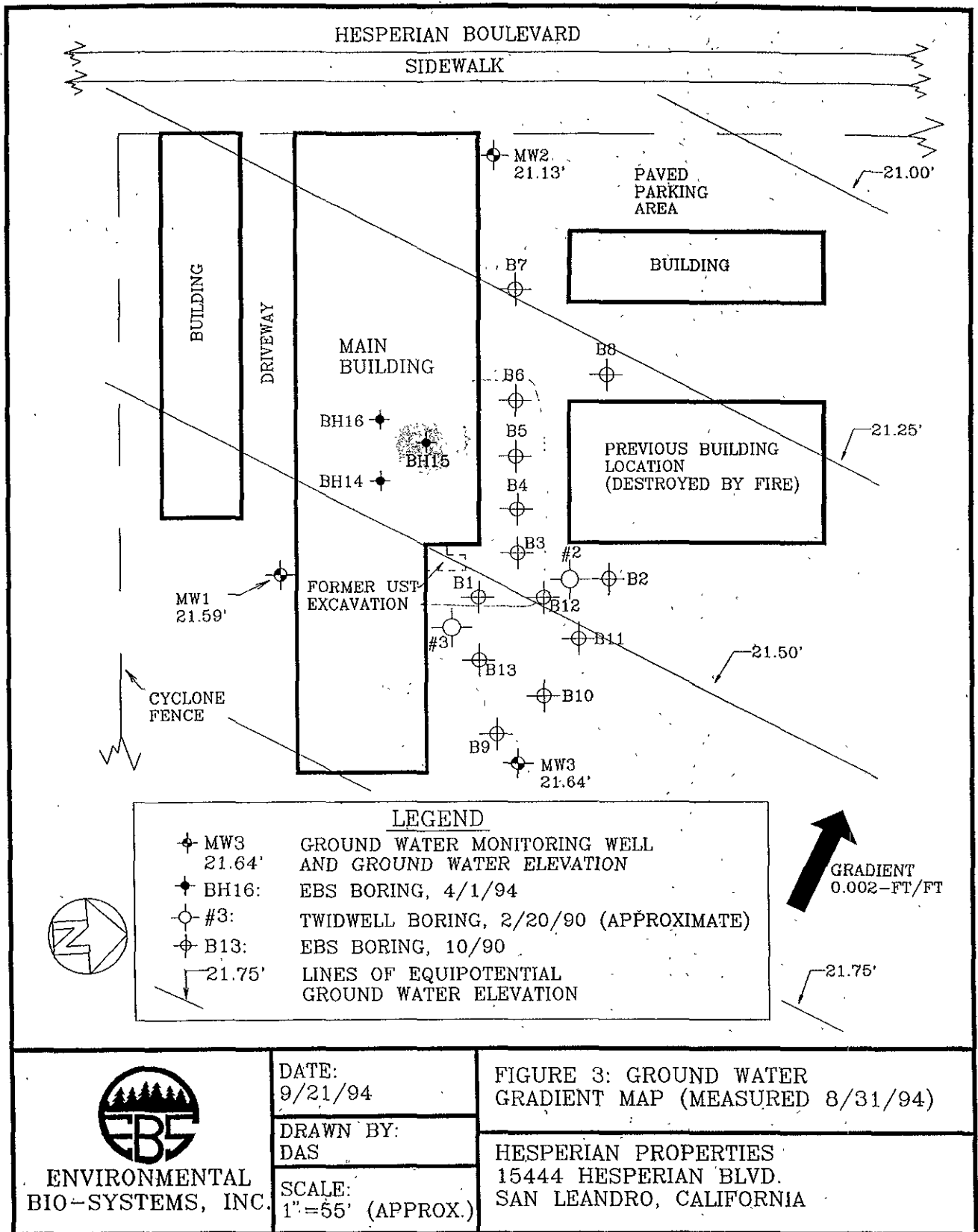
Reviewed by:

James A. Jacobs

James A. Jacobs, R.G. 4815



31 May 1994



capillary fringe

TABLE 2. RESULTS OF SOIL SAMPLE ANALYSES

| SAMPLE | TPHg ¹ (mg/Kg) | BENZENE (µg/Kg) | TOLUENE (µg/Kg) | XYLENES (µg/Kg) | ETHYL- BENZENE (µg/Kg) |
|----------|------------------------------|--------------------|--------------------|--------------------|------------------------------|
| BH14-5' | ND ² | ND | ND | ND | ND |
| BH14-10' | ND | ND | ND | ND | ND |
| BH15-10' | ND | ND | ND | ND | ND |
| BH15-12' | 94 | 42 | 360 | 880 | 520 |
| BH16-5' | ND | ND | ND | ND | ND |
| BH16-12' | ND | ND | ND | ND | ND |
| MW2-5' | ND | ND | ND | ND | ND |
| MW2-10' | ND | ND | ND | ND | ND |
| MW3-10' | ND | ND | ND | ND | ND |
| MW3-12' | ND | ND | ND | ND | ND |

LEGEND¹TPHg- Total Petroleum Hydrocarbons as Gasoline²ND- Analyte not detected above stated limits.**NOTE:** See laboratory reports for individual detection limits used.

TABLE 3. RESULTS OF GROUND WATER SAMPLE ANALYSES

| SAMPLE | TPHg ¹ (mg/L) | BENZENE (µg/L) | TOLUENE (µg/L) | XYLENES (µg/L) | ETHYL- BENZENE (µg/L) |
|-----------------------|-----------------------------|-------------------|-------------------|-------------------|-----------------------------|
| BH14-H ₂ O | ND ² | ND | ND | ND | ND |
| BH15-H ₂ O | 80 | 140 | 180 | 970 | 440 |
| BH16-H ₂ O | ND | ND | 1 | ND | ND |
| MW1 | ND | ND | ND | ND | ND |
| MW2 | ND | ND | ND | ND | ND |
| MW3 | ND | ND | ND | ND | ND |

LEGEND

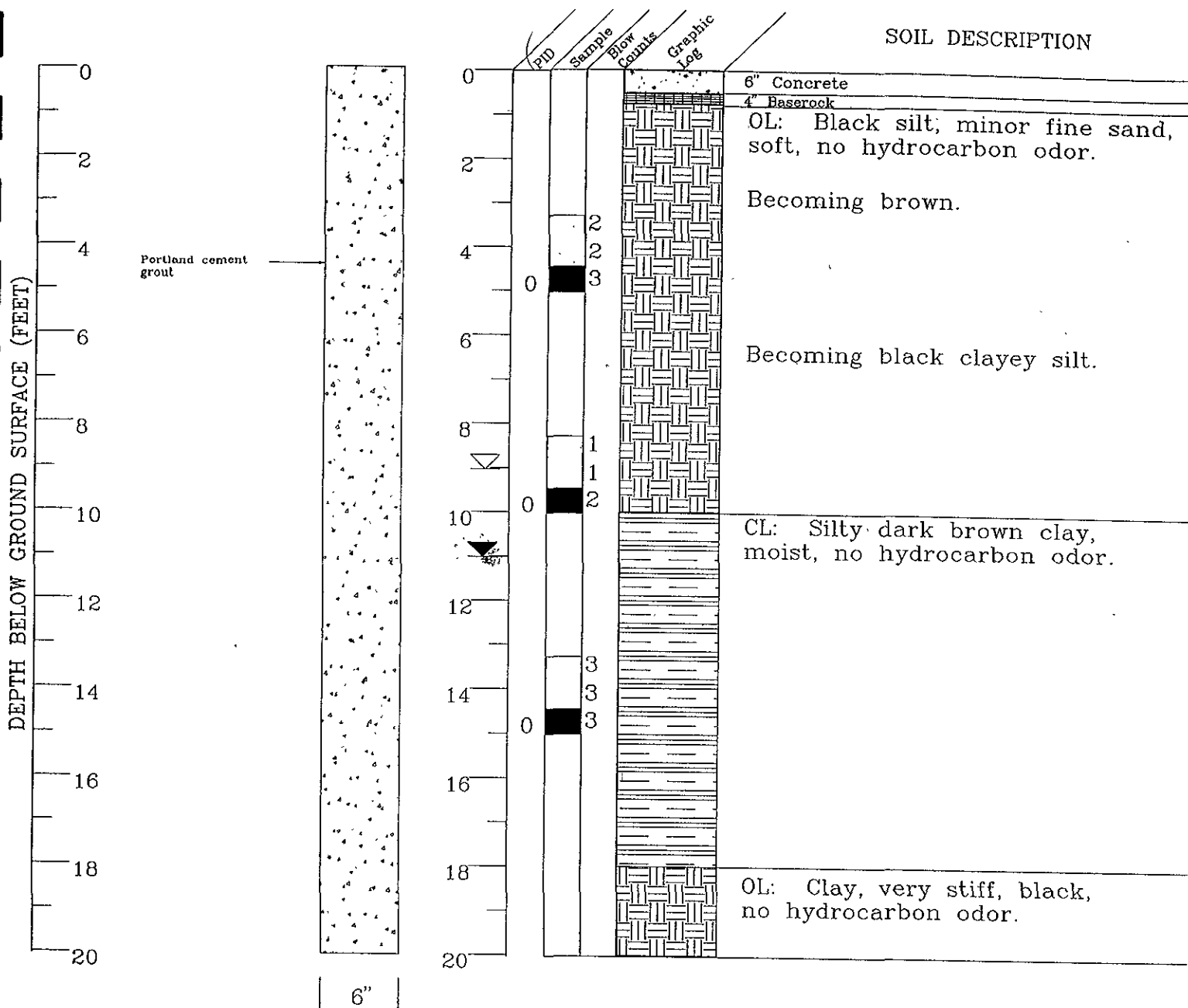
¹TPHg- Total Petroleum Hydrocarbons as Gasoline

²ND- Analyte not detected above stated limits.

NOTE: See laboratory reports for individual detection limits used.

80,000 ppb

LOG OF SOIL BORING BH14



Logged by: D. Sadoff
 Inspector: Scott Seery
 Date(s): 4/1/94

Drilling Contractor: Bayland
 Drilling Method: Hollow Stem Auger
 Driller: Steve, Mike

Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 20-Feet



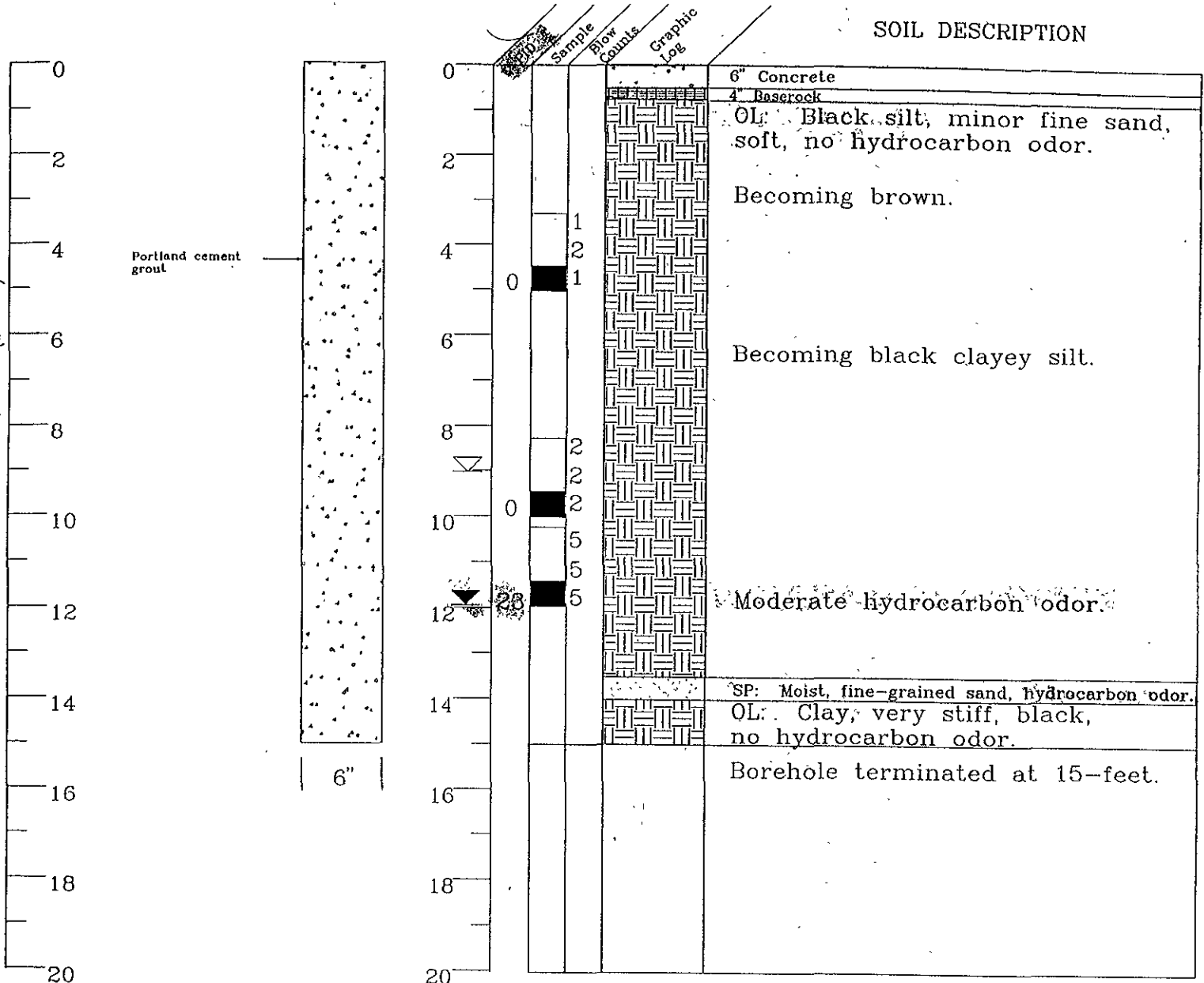
EXPLANATION

- water level during drilling
- potentiometric water level
- drill sample
- chemical analysis sample
- sieve sample
- grab sample
- gradational
- NR no recovery
- CONTACTS:**
- certain
- - - approximate
- · · uncertain

(FORMER) 4-STAR LUMBER
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA

PROJECT #035-280&299B

HESPERIAN PROPERTIES
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA



Logged by: D. Sadoff
 Inspector: Scott Seery
 Date(s): 4/1/94

Drilling Contractor: Bayland
 Drilling Method: Hollow Stem Auger
 Driller: Steve, Mike

Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 15-Feet



**ENVIRONMENTAL
 BIO-SYSTEMS, INC.**

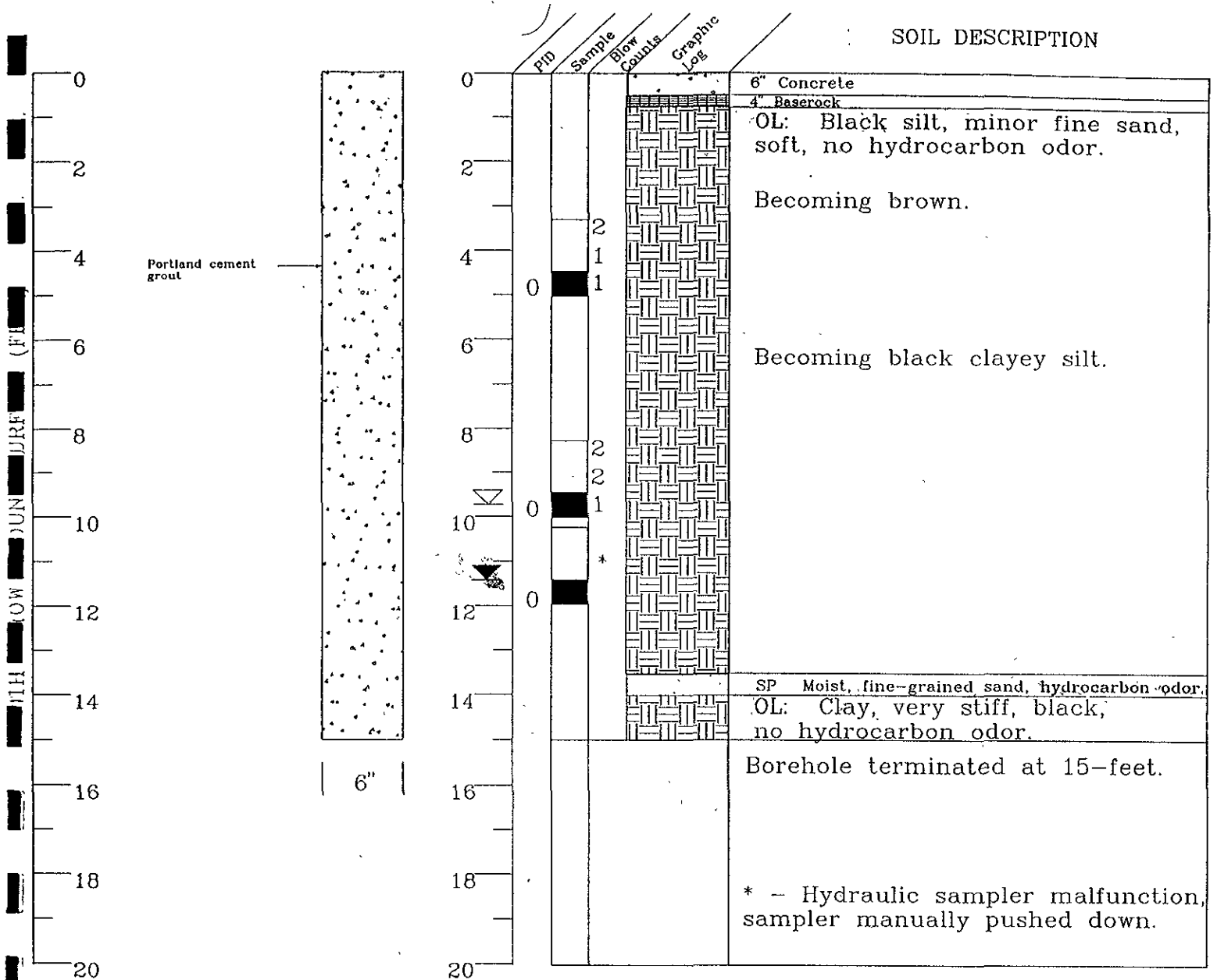
EXPLANATION

- | | |
|-------------------------------|-------------------|
| ▼ water level during drilling | ▨ gradational |
| ▽ potentiometric water level | NR no recovery |
| □ drill sample | CONTACTS: |
| ■ chemical analysis sample | — certain |
| ⊠ sieve sample | - - - approximate |
| ⊙ grab sample | ... uncertain |

(FORMER) 4-STAR LUMBER
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA

PROJECT #035-280&299B

HESPERIAN PROPERTIES
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA



| | | |
|---|--|--|
| Logged by: D. Sadoff Inspector: Scott Seery Date(s): 4/1/94 | Drilling Contractor: Bayland Drilling Method: Hollow Stem Auger Driller: Steve, Mike | Sanitary Seal/Backfill: Cement Sampler Type: Split Spoon Total Boring Depth: 15-Feet |
|---|--|--|



| EXPLANATION | |
|-----------------------------|-------------------|
| water level during drilling | gradational |
| potentiometric water level | NR no recovery |
| drill sample | CONTACTS: |
| chemical analysis sample | — certain |
| sieve sample | - - - approximate |
| grab sample | . . . uncertain |

(FORMER) 4-STAR LUMBER
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA

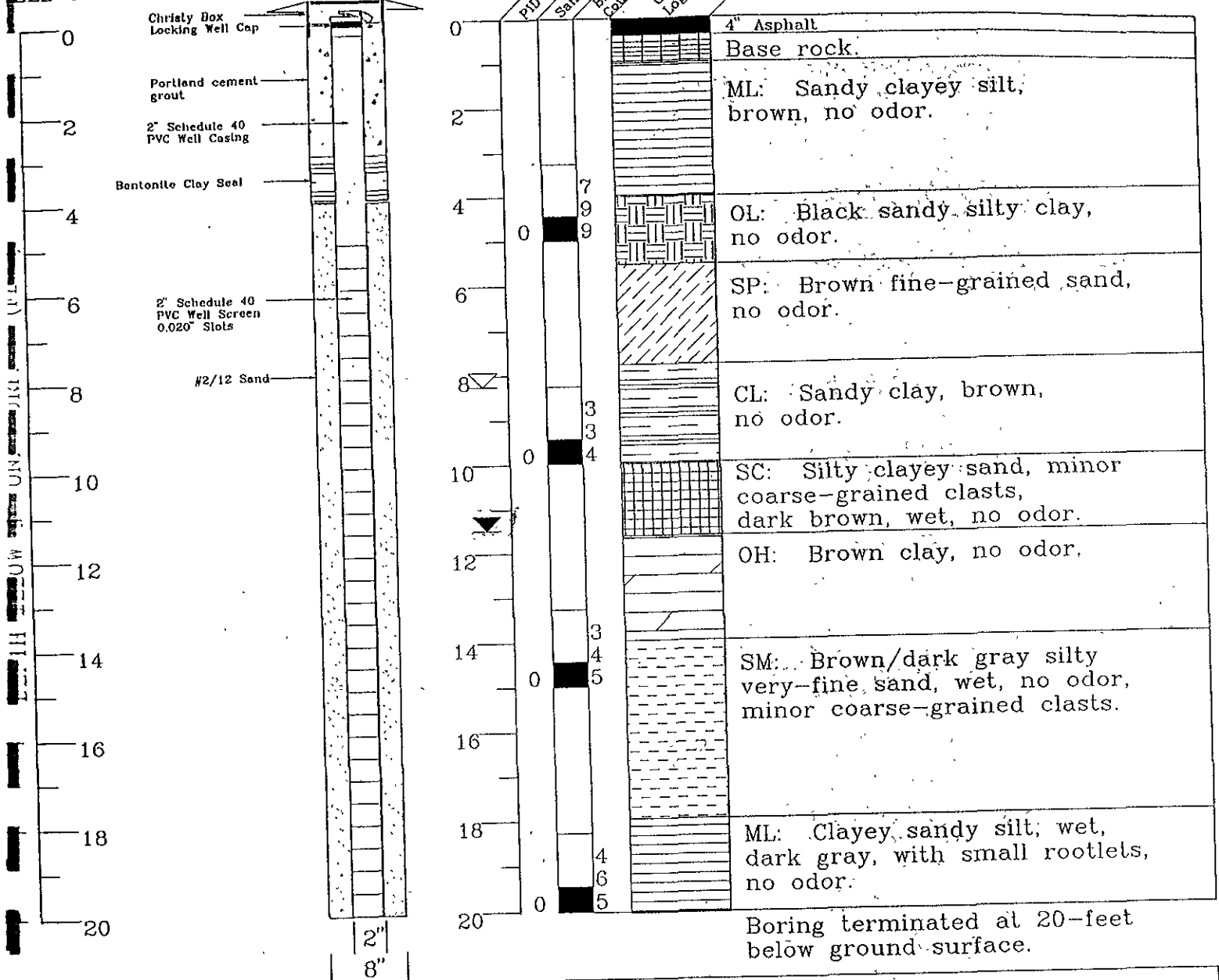
PROJECT #035-280&299B

HESPERIAN PROPERTIES
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA

LOG OF SOIL BORING MW2 WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS

SOIL DESCRIPTION



Logged by: D. Sadoff (Inspector) Scott Seery (not present)
 Drilling Contractor: Bayland
 Drilling Method: Hollow Stem Auger
 Driller: Rob, Marc
 Sanitary Seal/Backfill: Cement
 Sampler Type: Split Spoon
 Total Boring Depth: 20-Feet
 Date(s): 5/11/94



**ENVIRONMENTAL
BIO-SYSTEMS, INC.**

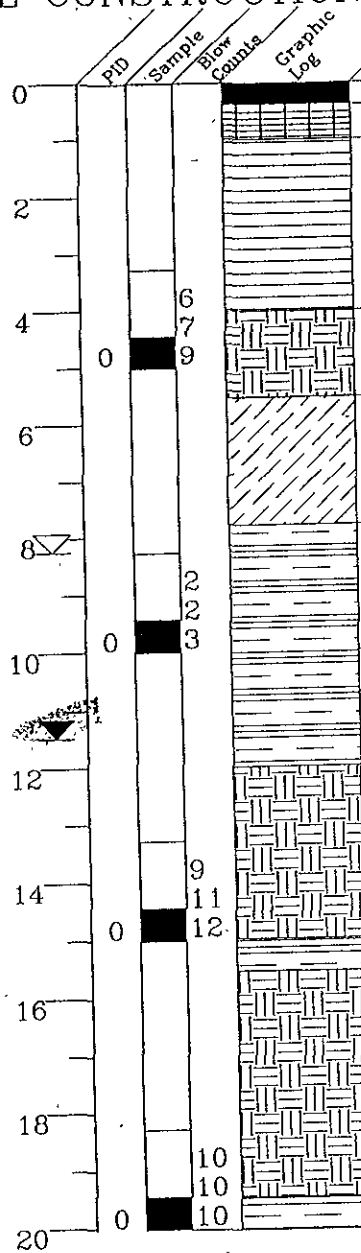
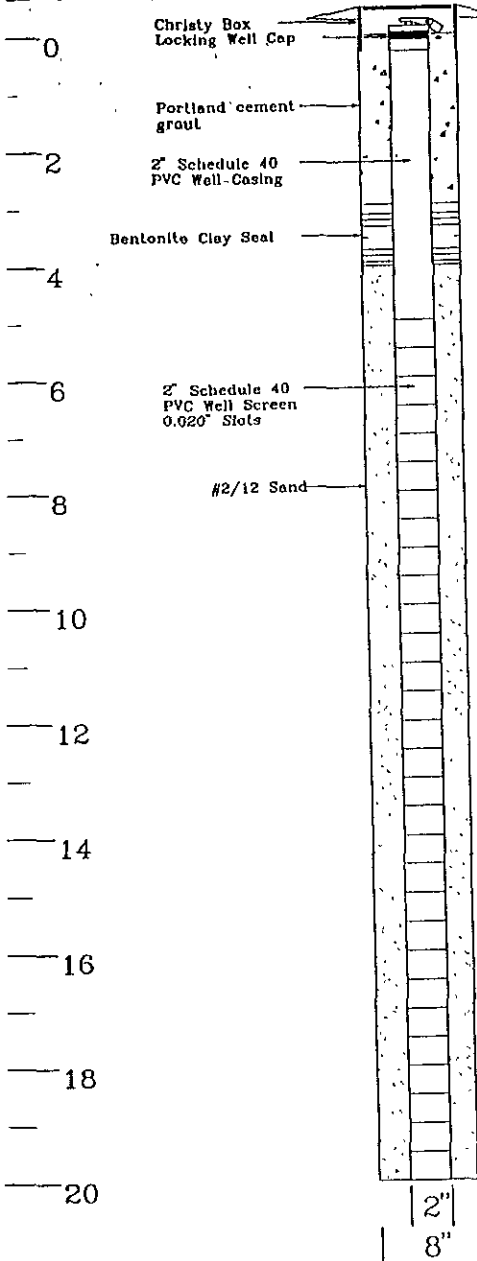
EXPLANATION

- water level during drilling
- potentiometric water level
- drill sample
- chemical analysis sample
- sieve sample
- grab sample
- gradational
- NR no recovery
- CONTACTS:
- certain
- - - approximate
- · · uncertain

(FORMER) 4-STAR LUMBER
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA
 PROJECT #035-280&299B
 HESPERIAN PROPERTIES
 15444 HESPERIAN BLVD.
 SAN LEANDRO, CALIFORNIA

LOG OF SOIL BORING MW3 WITH WELL CONSTRUCTION DETAILS

WELL CONSTRUCTION DETAILS



SOIL DESCRIPTION

| | |
|----|--|
| 0 | 4" Asphalt |
| | Base rock. |
| 2 | ML: Sandy clayey silt, brown, no odor. |
| 4 | OL: Black sandy silty clay, no odor. |
| 6 | SP: Brown fine-grained sand, no odor. |
| 8 | CL: Sandy clay, brown, no odor. |
| 10 | CL: Dark brown silty clay, moist, rare pebbles, no odor. |
| 12 | OL: Dark gray/black stiff clay, moist, no odor. |
| 14 | CL: Sandy clay, stiff, medium plastic, no odor. |
| 16 | OL: Stiff black clay, dry, no odor. |
| 18 | |
| 20 | CL: Silty clay, brown, moist, no odor. |

Boring terminated at 20-feet below ground surface.

Logged by: D. Sadoff Drilling Contractor: Bayland Sanitary Seal/Backfill: Cement
 Inspector: Scott Seery Drilling Method: Hollow Stem Auger Sampler Type: Split Spoon
 Date(s): 5/11/94 Driller: Rob, Marc Total Boring Depth: 20-Feet
not present



EXPLANATION

| | |
|-----------------------------|-------------------|
| water level during drilling | gradational |
| potentiometric water level | NR no recovery |
| drill sample | CONTACTS: |
| chemical analysis sample | — certain |
| sieve sample | - - - approximate |
| grab sample | uncertain |

(FORMER) 4-STAR LUMBER
15444 HESPERIAN BLVD.
SAN LEANDRO, CALIFORNIA

PROJECT #035-280&299B

HESPERIAN PROPERTIES
15444 HESPERIAN BLVD.
SAN LEANDRO, CALIFORNIA