Ceres Associates
Sustaining Environments Worldwide

424 First Street, Benicia, CA 94510
(707) 748-3170 / fax (707) 748-3171

RECEIVED
By lopprojectop at 3:20 pm, May 17, 2006

May 15, 2006
Project: CA124-3

RO#:4848

Ted Dang
Tomorrow Development
1305 Franklin, #500
Oakland, California

**Well Survey**
Former Gasoline Station
2547 East 27th Street
Oakland, California (Property)

Dear Mr. Dang:

Ceres Associates is pleased to present this Well Survey report for the above referenced Property. Ceres Associates has conducted this report at the request of the Alameda County Environmental Health Department in connection with the ongoing assessment and remediation of the Property.

**Scope of Survey**

Ceres Associates collected well information data for sites within a 2,000-foot radius of the Property from the State of California Department of Water Resources, the Alameda County Public Works Agency, and the City of Oakland Public Works Department.

**Results**

Results of the survey have been compiled on the attached map and reference those wells which were identified within the search radius of the Property.

Groundwater flow direction has been reported to be predominantly to the southeast. Wells identified within 2,000-feet of the Property were limited to monitoring wells and include:

| Location | Wells | Distance | Direction |
|---|---|---|---|
| Chevron Station, 2681 Fruitvale Avenue | 14 | 1,000 feet | Southeast |
| Quick Stop, 2400 Fruitvale Avenue | 1 | 2,000 feet | South |
| Peralta Hacienda, Fruitvale Avenue and Davis Street | 1 | 1,200 feet | Southeast |
| Mrs. Frances Beddig, 2964 Fruitvale Avenue | 3 | 2,000 feet | Northeast |

The Property is located to the west of Sousal Creek, however all of the wells identified within the search radius are located east of Sousal Creek.

Supporting documentation related to these sites can be found in the Appendix of this report. The attached map and key reference these sites relative to the Property location.

If you have any questions regarding this project, please don't hesitate to contact me at (707) 748-3170 or via email at ryanmeyer@ceresassociates.com.

Sincerely,
Ceres Associates

Ryan Meyer
Project Manager

# Appendix

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

2S/3W-5C 10

# LOG OF EXPLORATORY BORING 340327

PROJECT NUMBER 1207 — BORING NO. MW-9

PROJECT NAME Former Chevron Service Station No. 9-4340 — PAGE 1 OF 2

BY K. Flory — DATE 7/26/90 — SURFACE ELEV. ~100 ft.

| PID (ppm) | RECOVERY (in/in) | BLOW CNT. (blws/ft) | DESCRIPTION |
|---|---|---|---|
| | | | **FILL**, very dark grayish brown (10YR,3/2); 60-70% low plasticity fines; 30-40% fine to medium gravel; very dry; no product odor. |
| 0 | 18/18 | 13<br>17<br>20 | @5': dark brown (7.5YR,3/2); 40-50% low plasticity fines; 20% fine to coarse sand; 30-40% fine to coarse gravel; hard; very dry; no product odor. |
| 0 | 18/18 | 6<br>11<br>5 | **CLAY (CH)**, dark brown (7.5YR,3/2); 85-90% high plasticity fines; 5-10% fine sand; trace fine gravel; firm; damp; slight product odor. |
| 1453 | 18/18 | 5<br>3<br>2 | **SANDY GRAVEL (GW)**, dark gray (7.5YR,4/2); trace high plasticity fines; 30-40% fine to coarse sand; 55-65% fine to coarse gravel; loose; wet; strong product odor. |
| | | | **CLAYEY SILT (ML)**, dark brown (7.5YR,3/2); 80-90% low plasticity fines; 10-20% fine to coarse sand; stiff, moist; no product odor. |

GROUND WATER LEVELS: 7/26/90 ▽ ▼ 7/26/90

DEPTH IN FT.: 5, 10, 15, 20

SAMPLES

LITHOGRAPHIC COLUMN

WELL DETAIL

REMARKS

Boring was drilled using 8-inch outside-diameter hollow-stem augers. Soil samples were collected using a 2-inch diameter modified-California split-spoon sampler. A monitor well was installed using 2-inch diameter PVC casing.

25/3W-05C10

# LOG OF EXPLORATORY BORING 340827

PROJECT NUMBER 1207 — BORING NO. MW-9

PROJECT NAME Former Chevron Service Station No. 9-4340 — PAGE 2 OF 2

BY K. Flory — DATE 7/26/90 — SURFACE ELEV. ~100 ft.

| PID (ppm) | RECOVERY (in/in) | BLOW CNT. (blws/ft) | GROUND WATER LEVELS | DEPTH IN FT. | SAMPLES | LITHO-GRAPHIC COLUMN | DESCRIPTION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|
| 0 | 18/18 | 2<br>3<br>4 | | | | | CLAYEY SILT (ML), continued.<br>SANDY SILT (SM), very dark gray (7.5YR,2/0); 90-95% low plasticity fines; 5-10% fine sand; firm; very moist; no product odor. | |
| | | | | | | | GRAVEL (GW). | |
| 0 | 12/18 | 5<br>8<br>10 | | 25 | | | SILTY SAND (SM), dark gray (7.5YR,4/0); 5-15% low plasticity fines; 85-95% fine sand; medium dense; wet; no product odor.<br>SILT (ML), gray (7.5YR,5/0); 95-100% low plasticity fines; trace fine sand; soft; dry; no product odor.<br>@26.2': olive brown (2.5YR,4/4).<br>BORING TERMINATED AT 26.5 FEET. | |
| | | | | 30 | | | | |
| | | | | 35 | | | | |
| | | | | 40 | | | | |

REMARKS

Boring was drilled using 8-inch outside-diameter hollow-stem augers. Soil samples were collected using a 2-inch diameter modified-California split-spoon sampler. A monitor well was installed using 2-inch diameter PVC casing.

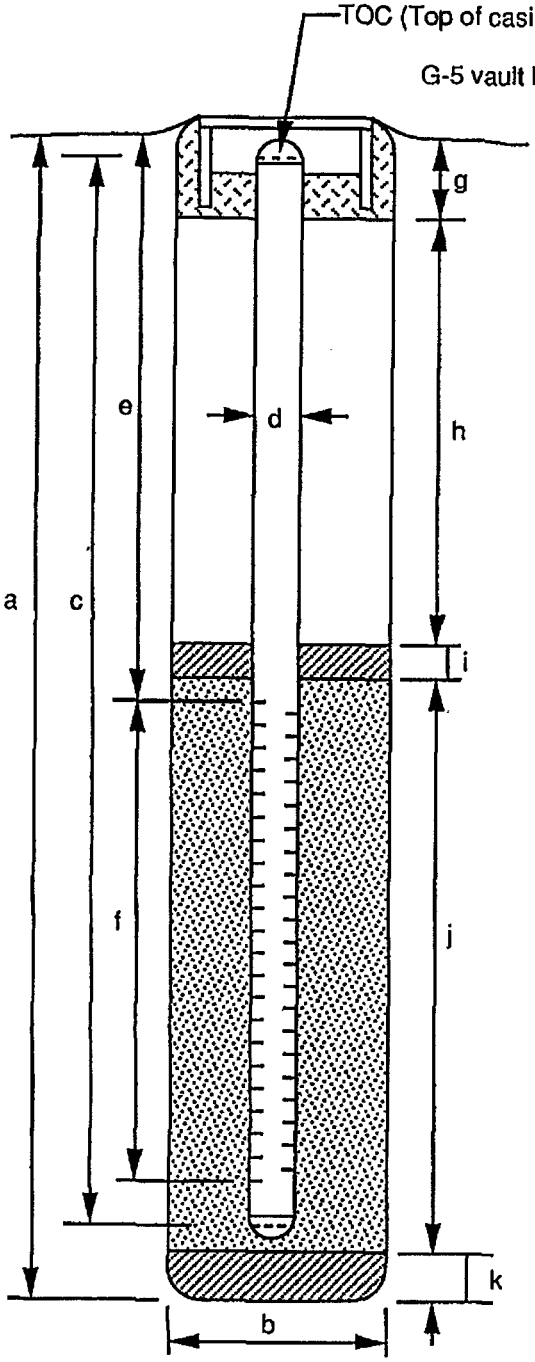
25/3W-5C10

# WELL DETAILS

340327

PROJECT NUMBER 1207
PROJECT NAME Former Chevron SS No. 9-4340
LOCATION 2681 Fruitvale Ave., Oakland, CA
WELL PERMIT NO. 90406

BORING / WELL NO. MW-9
TOP OF CASING ELEV.
GROUND SURFACE ELEV. ~100'
DATUM MSL
INSTALLATION DATE 7/26/90




## EXPLORATORY BORING

a. Total depth 26.5 ft.
b. Diameter 8 in.
Drilling method Hollow-Stem Auger

## WELL CONSTRUCTION

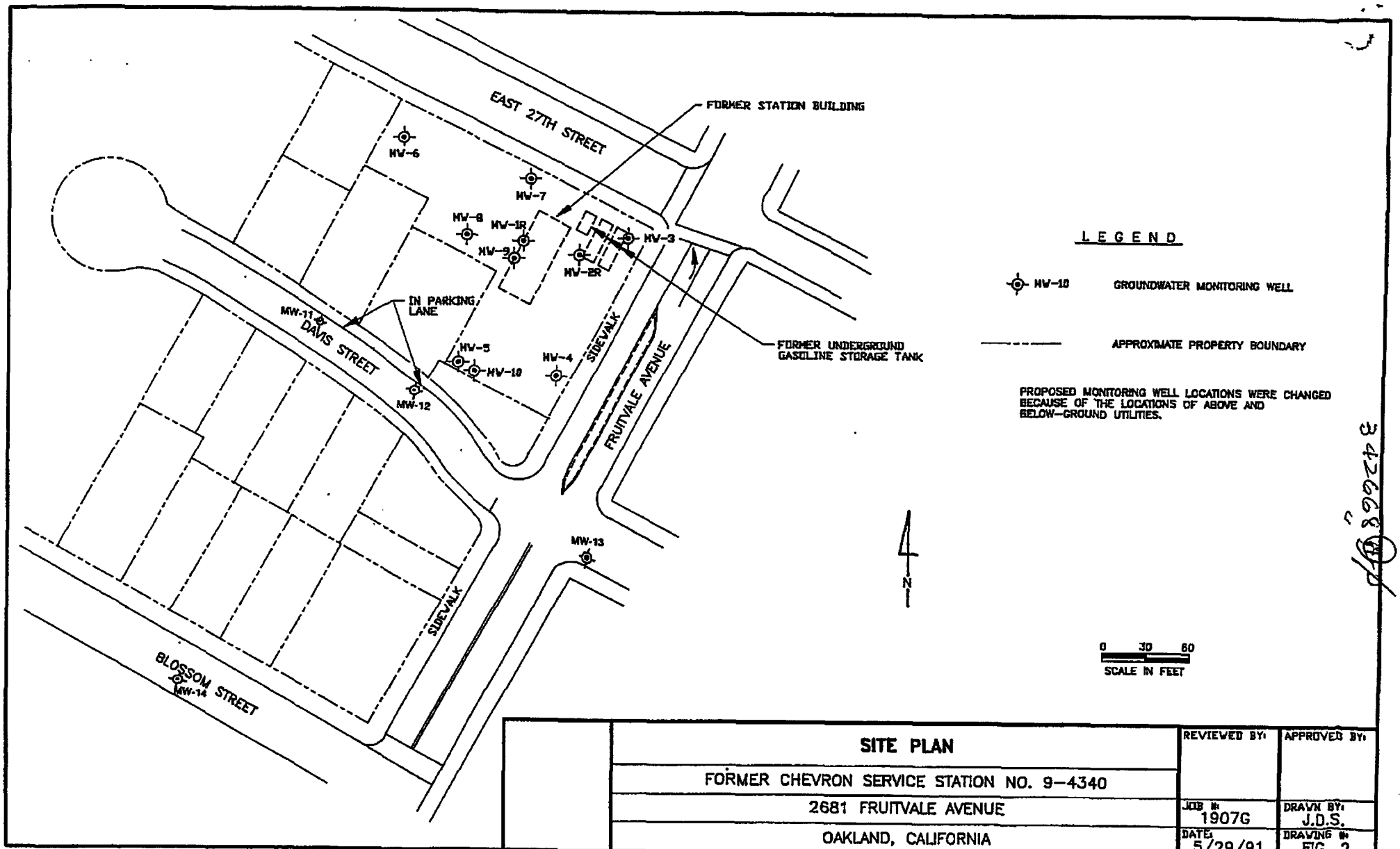
c. Total casing length 24.5 ft.
Material Schedule 40 PVC
d. Diameter 2 in.
e. Depth to top perforations 10 ft.
f. Perforated length 15 ft.
Perforated interval from 10 to 25 ft.
Perforation type Machine Slotted
Perforation size 0.020 inch
g. Surface seal 1 ft.
Material Concrete
h. Backfill 5 ft.
Material Bentonite-Cement Grout
i. Seal 2 ft.
Material Bentonite
j. Gravel pack 17 ft.
Gravel pack interval from 7.5 to 24.5 ft.
Material # 3 Sand
k. Bottom seal/fill 1.5 ft.
Material slough

Form prepared by KBR

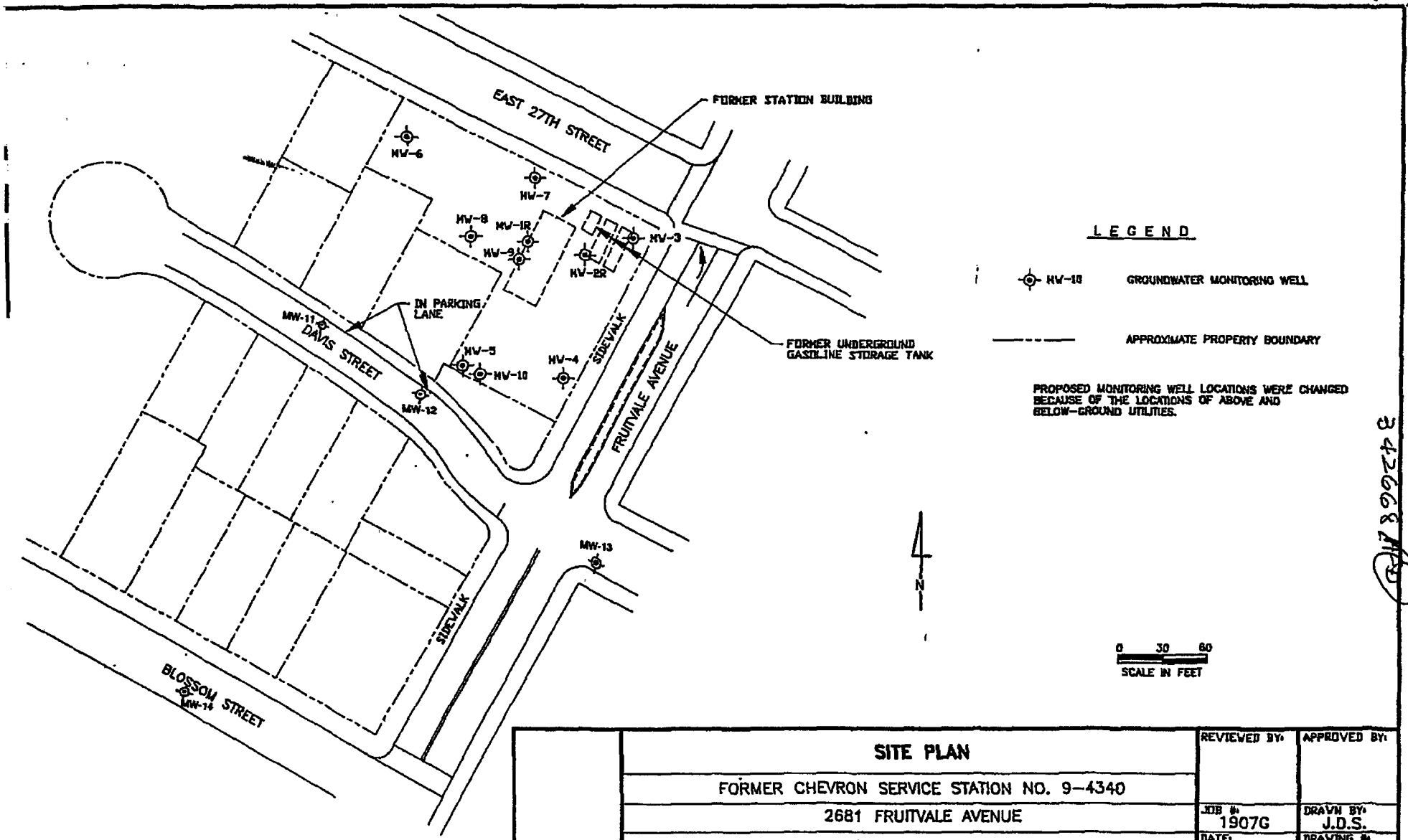
# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED




| | SITE PLAN | REVIEWED BY: | APPROVED BY: |
|---|---|---|---|
| | FORMER CHEVRON SERVICE STATION NO. 9-4340 | | |
| | 2681 FRUITVALE AVENUE | JOB #: 1907G | DRAWN BY: J.D.S. |
| | OAKLAND, CALIFORNIA | DATE: 5/29/91 | DRAWING #: FIG. 2 |




LEGEND

MW-1R GROUNDWATER MONITORING WELL

APPROXIMATE PROPERTY BOUNDARY

PROPOSED MONITORING WELL LOCATIONS WERE CHANGED BECAUSE OF THE LOCATIONS OF ABOVE AND BELOW-GROUND UTILITIES.

3426 8 MW

| | | | |
|---|---|---|---|
| | **SITE PLAN** | REVIEWED BY: | APPROVED BY: |
| | FORMER CHEVRON SERVICE STATION NO. 9-4340 | | |
| | 2681 FRUITVALE AVENUE | JOB #: 1907G | DRAWN BY: J.D.S. |
| | OAKLAND, CALIFORNIA | DATE: 5/29/91 | DRAWING #: FIG. 2 |

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025030 05c12

# RESNA EXPLORATORY BORING LOG

**Project Name:** Former Chevron Station 9-4340, Oakland, California

**Boring No.** MW-11

**Date Drilled:** 10/8/91

**Project Number:** 1907-3G

**Logged By:** BVT

| Depth (ft.) | Sample No. | Blows/Foot | Unified Soil Classification | SOIL DESCRIPTION | Water Level | PID Reading (ppm) | Well Construction |
|---|---|---|---|---|---|---|---|
| | | | | Asphalt: 3" Baserock: 2" | | | |
| 1–7 | | 23 | ML | SILT, dark reddish brown (5YR 2.5/2), 80-90% silt, 5-15% clay, 5-10% very fine- to fine-grained sand, <5% medium- to coarse-grained sand, low plasticity, stiff, moist<br><br>At approximately 4 feet, color change to dark brown (7.5YR 3/4), *increase in coarse-grained sand to fine gravel content (5-10%)*<br><br>At approximately 7 feet, driller indicated presence of gravels. Thickness apparently <1 foot | | 0 | |
| 10–12 | | 10 | SM | SILTY SAND, brown to dark brown (7.5YR 4/4) 60-70% fine- to medium-grained sand, 20-30% silt, 5-15% coarse-grained sand to fine gravel, minor clay binder, poorly sorted, loose to medium dense, very moist to wet | | 0 | |
| 13–14 | | | | 11/7/91 08:45 | ▼ | | |
| 15–16 | | | | 10/8/91 09:47 | ▽ | 0 | |
| 16–19 | | 12 | SW-SM | GRAVELLY SAND, dark grayish brown (10YR 4/2), 70-80% fine- to coarse-grained sand, 10-20% fine-medium gravel, 10-20% silt, poorly sorted, medium dense, saturated | | | |
| 20–21 | | 38 | ML | SILT, brown (10YR 5/3), low plasticity, very stiff, damp<br><br>Bottom of boring = 21.5 feet | | | |

REVIEWED BY R.G./C.E.G.

RESNA

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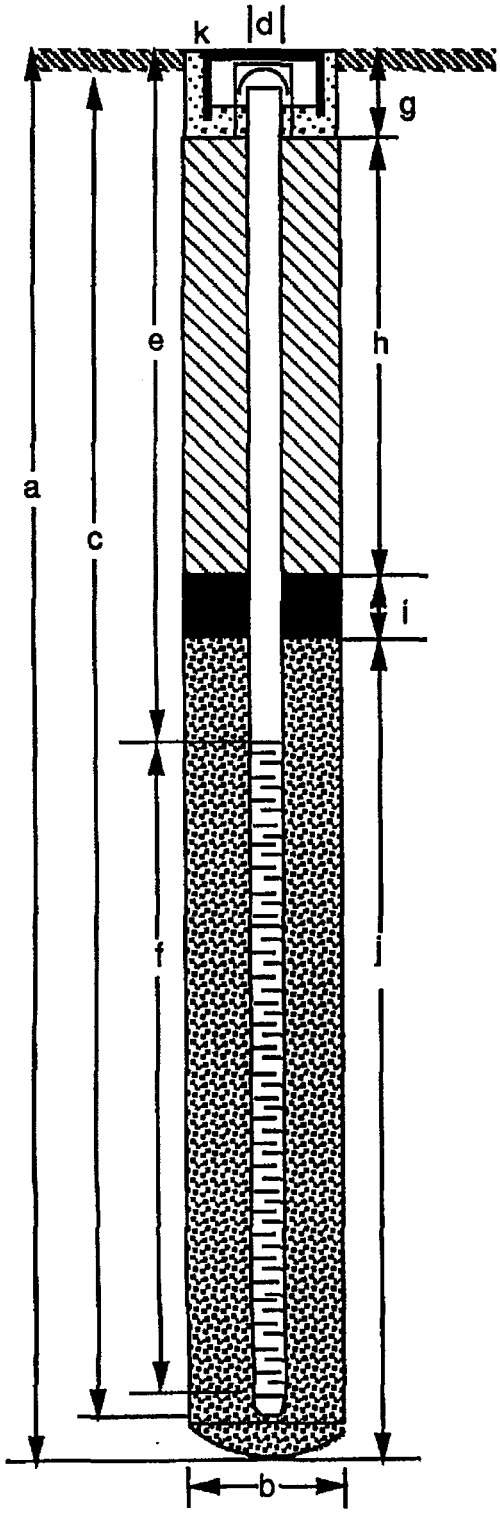
02S03W05Cd2

# MONITORING WELL DETAIL

| | | | |
|---|---|---|---|
| **Project Number** | 1907-3G | **Boring/Well No.** | MW-11 |
| **Project Name** | Former Chevron Station 9-4340 | **Top of Casing Elev.** | 101.98 |
| **County** | Alameda | **Ground Surface Elev.** | 102.62 |
| **Well Permit No.** | 91545 | **Datum** | Mean Sea Level |




## EXPLORATORY BORING

a. **Total depth** 21.5 ft.

b. **Diameter** 8 in.

**Drilling method** Hollow Stem Auger

## WELL CONSTRUCTION

c. **Casing length** 21 ft.

**Material** Schedule 40 PVC

d. **Diameter** 2 in.

e. **Depth to top perforations** 11 ft.

f. **Perforated length** 10 ft.

**Perforated interval from** 11 **to** 21 ft.

**Perforation type** Machine Slot

**Perforation size** 0.020 in.

g. **Surface seal** 1 ft.

**Seal material** Concrete (10"), Asphalt (2")

h. **Backfill** 8.5 ft.

**Backfill material** Cement Grout

i. **Seal** 1 ft.

**Seal material** Bentonite

j. **Gravel pack** 11.5 ft.

**Pack material** 2/12 Monterey Type Sand

k. Traffic-rated watertight vault box with locking PVC expansion cap

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025 03W05C1S

# RESNA EXPLORATORY BORING LOG

**Project Name:** Former Chevron Station 9-4340, Oakland, California

**Boring No.** MW-14

**Date Drilled:** 10/9/91

**Project Number:** 1907-3G

**Logged By:** BVT

| Depth (ft.) | Sample No. | Blows/Foot | Unified Soil Classification | SOIL DESCRIPTION | Water Level | PID Reading (ppm) | Well Construction |
|---|---|---|---|---|---|---|---|
| 1 | | | | Asphalt: 3" Baserock: 6" | | | |
| 5 | | | ML | GRAVELLY SILT, very dark grayish brown (10YR 3/2), 60-70% silt, 20-30% fine to medium gravel, 10-20% fine- to coarse-grained sand, clay binder, low plasticity, very stiff, moist | | 0 | |
| 6 | | 25 | | | | | |
| 8 | | | ML | SANDY SILT, dark yellowish brown (10YR 4/4), 70-80% silt, 20-30% fine-grained sand, clay binder, low to medium plasticity, moist to very moist | | | |
| 11 | | 13 | SM | SILTY SAND, yellowish brown (10YR 4/4), 60-70% fine- to coarse-grained sand, 25-35% silt, 15-25% fine to coarse gravel, poorly sorted, medium dense, very moist to wet | | 0 | |
| 13 | | | | 11/7/91 08:25 | ▼ | | |
| 14 | | | ML | SANDY SILT, mottled yellowish brown (10YR 5/4) with strong brown (7.5YR 5/6), 55-65% silt, 40-50% fine- to medium-grained sand, 3-5% coarse-grained sand to fine gravel, 3-5% rootholes, low plasticity, very moist to saturated (wet in rootholes) | | | |
| 16 | | 9 | | | | 0 | |
| 18 | | | | 10/9/91 15:40 | ▽ | | |
| 19 | | | | At approximately 19.5 to 20.5 feet, gradational color change to dark greenish gray (5GY 4/1) | | | |
| 21 | | 8 | SM | SILTY SAND | | | |

REVIEWED BY R.G./C.E.G.

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# RESNA EXPLORATORY BORING LOG

**Project Name:** Former Chevron Station 9-4340
Oakland, California

**Boring No.** MW-14

**Date Drilled:** 10/9/91

**Project Number:** 1907-3G

**Logged By:** BVT

| Depth (ft.) | Sample No. | Blows/Foot | Unified Soil Classification | SOIL DESCRIPTION | Water Level | PID Reading (ppm) | Well Construction |
|---|---|---|---|---|---|---|---|
| 22 | | | SM | SILTY SAND, mottled dark bluish gray (5B 4/1) with olive brown (2.5Y 4/3), 75-85% fine- to medium-grained sand, 25-35% silt, well sorted, loose, saturated | | | |
| 23 | | | | | | | |
| 24 | | | SW-SM | GRAVELLY SAND, dark greenish gray (5GY 4/1), 70-80% fine- to coarse-grained sand, 20-30% fine-coarse gravel, 5-15% fines, poorly sorted, medium dense, saturated | | | |
| 25 | | | | | | | |
| 26 | | 27 | ML | SILT, light yellowish brown (2.5Y 5/3), low plasticity, very stiff, moist | | | |
| 27 | | | | Bottom of boring = 26.5 feet | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | |

REVIEWED BY R.G./C.E.G.

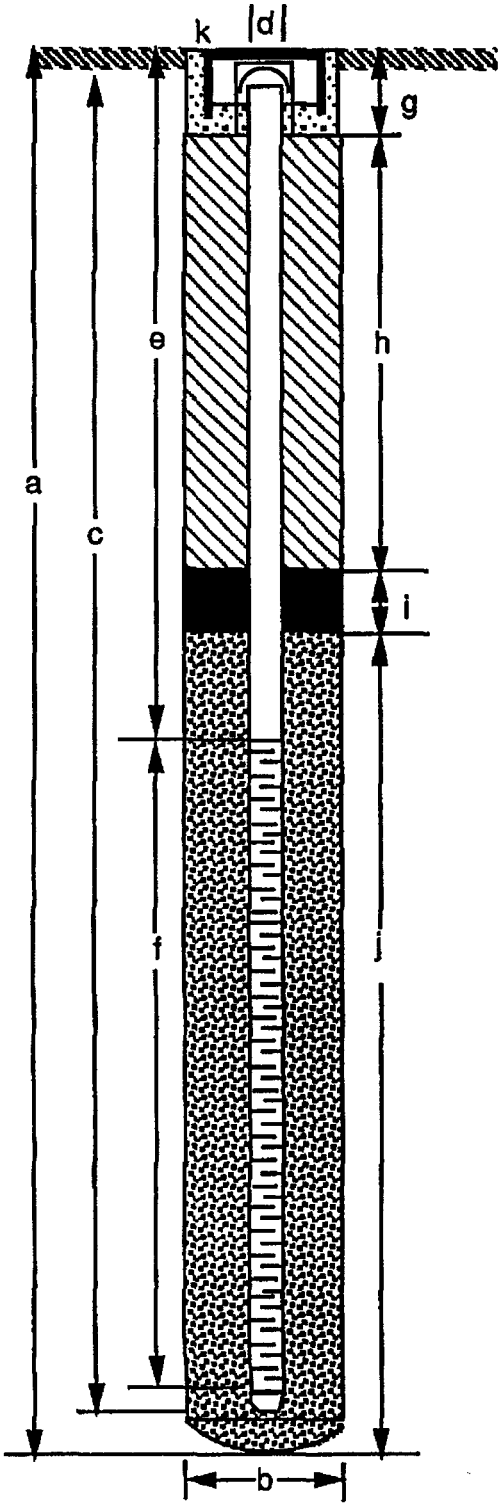
RESNA

342668D

02S03W05C16S

# MONITORING WELL DETAIL

| | | | |
|---|---|---|---|
| **Project Number** | 1907-3G | **Boring/Well No.** | MW-14 |
| **Project Name** | Former Chevron Station 9-4340 | **Top of Casing Elev.** | 98.26 |
| **County** | Alameda | **Ground Surface Elev.** | 98.56 |
| **Well Permit No.** | 91545 | **Datum** | Mean Sea Level |




## EXPLORATORY BORING

a. **Total depth** 26.5 ft.

b. **Diameter** 8 in.

**Drilling method** Hollow Stem Auger

## WELL CONSTRUCTION

c. **Casing length** 26 ft.

**Material** Schedule 40 PVC

d. **Diameter** 2 in.

e. **Depth to top perforations** 16 ft.

f. **Perforated length** 10 ft.

**Perforated interval from** 16 **to** 26 ft.

**Perforation type** Machine Slot

**Perforation size** 0.020 in.

g. **Surface seal** 1 ft.

**Seal material** Concrete (10"), Asphalt (2")

h. **Backfill** 13 ft.

**Backfill material** Sand/Cement Slurry

i. **Seal** 1 ft.

**Seal material** Bentonite

j. **Gravel pack** 11.5 ft.

**Pack material** 2/12 Monterey Type Sand

k. Traffic-rated watertight vault box with locking PVC expansion cap

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

01-143 A-D INV ✓ ADD ✓

FLEMING CORPORATION — Peralta Hacienda — SITE PLAN — A1.2

OWNER = PERALTA HACIENDA
FRUITVALE AVE / DAVIS ST.
OAKLAND, CA.

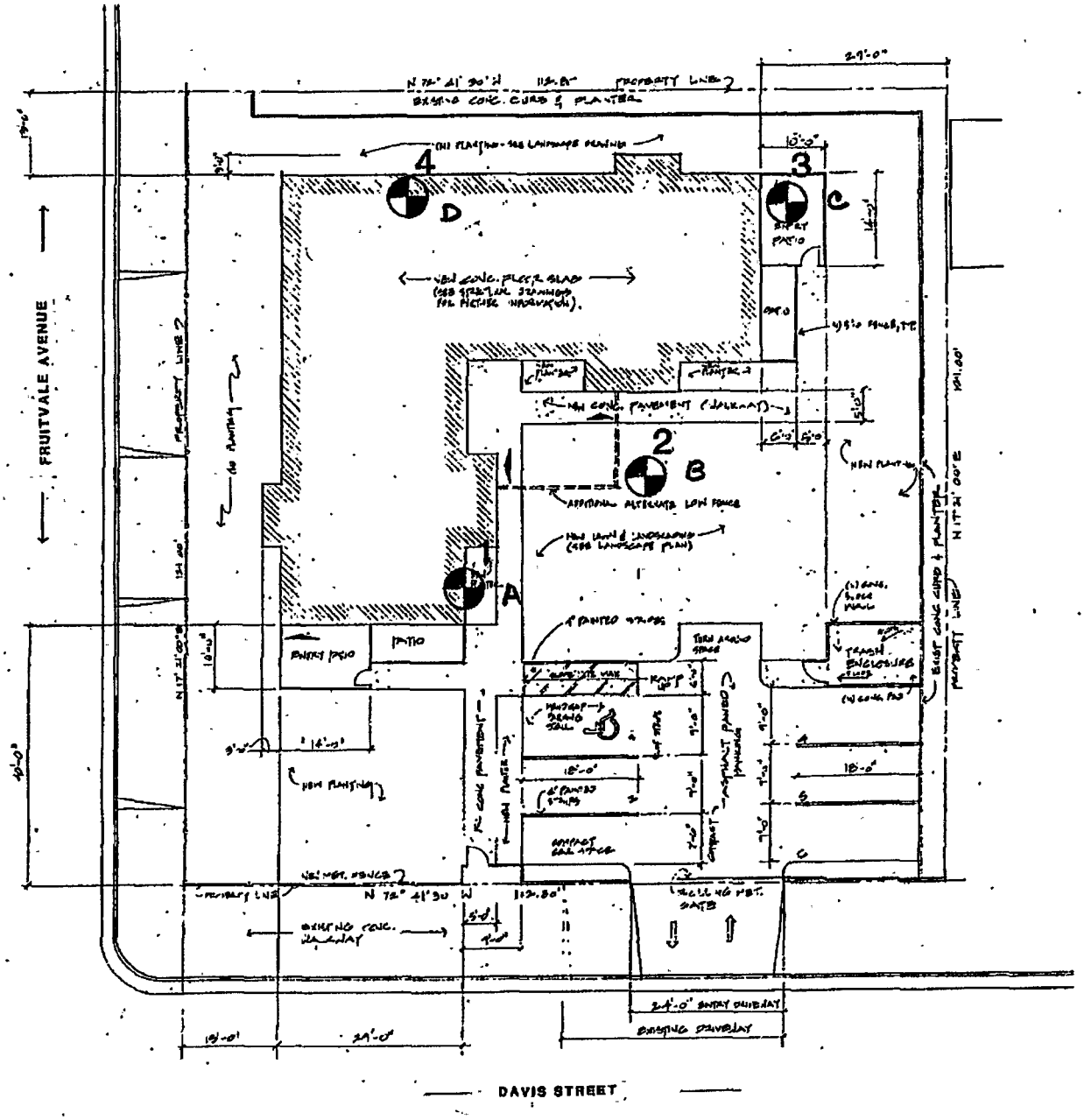
25/30 : 5C ✓ 4 of 4-R
(4 BORINGS)

85147

REVISIONS BY DATE

FILE 1881-001 City of Oakland

BY DATE
CHECKED BY DATE




N

0 20 40 60
SCALE FEET

Boring Location

DRILLER: JOHN CARVER

TransPacific Geotechnical Engineers, Inc.

PLATE 2

**BORING** 2
DATE DRILLED 10/19/85
SURFACE ELEVATION 104±

| DEPTH IN FEET | LABORATORY TEST DATA: TYPE OF STRENGTH TEST | NORMAL OR CONFINING PRESSURE, PSF | SHEAR STRENGTH, PSF | MOISTURE CONTENT, % | DRY DENSITY, PCF | SAMPLING: TYPE OF SAMPLER | SAMPLING RESISTANCE | SAMPLES | SYMBOLS | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | 2 inches asphaltic concrete over 6 inches aggregate base |
| | P | – | 4500 | 19 | 105 | U | 18 | ■ | CL | Orange brown and dark brown gravelly clay (stiff) (fill) |
| 5 | P | – | 3700 | 19 | 105 | U | 16 | ■ | CL | Brown silty clay (stiff) (grading grayish brown and more silty with depth) |
| | | | | | | | | | CL | Grayish brown gravelly clay with traces of sand (stiff) |
| 10 | | | | 18 | 111 | U | 23 | ■ | | |
| | | | | | | | | | CL | Mottled gray and brown sandy silty clay (stiff) |
| 15 | P | – | 2550 | 23 | 106 | U | 29 | ■ | | |
| | | | | | | | | | | (Encountered water, 10/19/85) |
| 20 | | | | | | U | 29 | | SC | Brown clayey sand (medium dense) (no recovery) |

NOTE: See Plate 2-A

1081-01-01 City of Oakland

# LOG OF BORING

TransPacific Geotechnical Engineers, Inc.

Plate 3-B

01-143C

BORING 3
DATE DRILLED 10/19/85
SURFACE ELEVATION 105±

| DEPTH IN FEET | LABORATORY TEST DATA: TYPE OF STRENGTH TEST | LABORATORY TEST DATA: NORMAL OR CONFINING PRESSURE, PSF | LABORATORY TEST DATA: SHEAR STRENGTH, PSF | LABORATORY TEST DATA: MOISTURE CONTENT, % | LABORATORY TEST DATA: DRY DENSITY, PCF | SAMPLING: TYPE OF SAMPLER | SAMPLING: SAMPLING RESISTANCE | SAMPLES | SYMBOLS | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | 2 inches asphaltic concrete over 4 inches aggregate base |
| | | | | 8 | 111 | U | 23 | | CL | Brown and grayish brown sandy and silty clay with traces of gravel (stiff) (fill) |
| 5 | P | – | 3530 | 20 | 101 | U | 15 | | CL | Brown and dark brown silty clay with traces of sand and gravel (stiff) (grading more silty with depth) |
| 10 | | | | 10 | 111 | U | 36 | | SP | Brown gravelly sand with traces of clay (medium dense) |
| 15 | P | – | 3510 | 23 | 104 | U | 27 | | CL | Mottled orange and grayish brown silty clay (stiff) |
| | | | | | | | | | | (Encountered water, 10/19/85) |
| 20 | | | | 9 | 137 | U | 66 | | SP | Brown gravelly sand with traces of clay (dense) |

NOTE: See Plate 2-A

1081-01-01 City of Oakland

# LOG OF BORING

TransPacific Geotechnical Engineers, Inc.

Plate 3-C

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

1S/3W 32P2

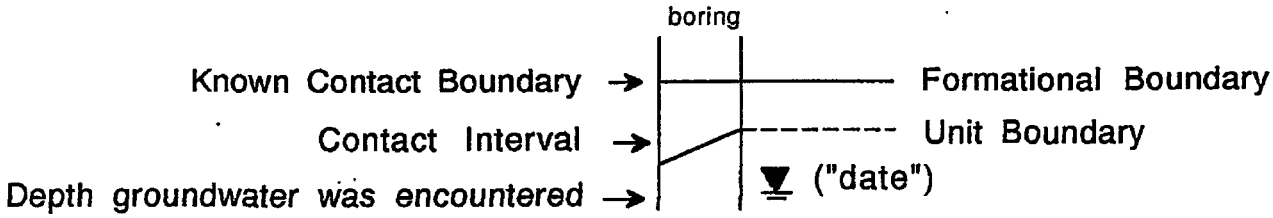
2 of 7

407400

# UNIFIED SOIL CLASSIFICATION SYSTEM

| | MAJOR DIVISIONS | | | | TYPICAL NAMES |
|---|---|---|---|---|---|
| COARSE GRAINED SOILS more than half > #200 sieve | GRAVELS more than half coarse fraction is larger than No. 4 sieve | CLEAN GRAVELS WITH LITTLE OR NO FINES | GW | | well graded gravels, gravel-sand mixtures |
| | | | GP | | poorly graded gravels, gravel-sand mixtures |
| | | GRAVELS WITH OVER 12% FINES | GM | | silty gravels, poorly graded gravel-sand silt mixtures |
| | | | GC | | clayey gravels, poorly graded gravel-sand clay mixtures |
| | SANDS more than half coarse fraction is smaller than No. 4 sieve | CLEAN SANDS WITH LITTLE OR NO FINES | SW | | well graded sands, gravelly sands |
| | | | SP | | poorly graded sands, gravelly sands |
| | | SANDS WITH OVER 12% FINES | SM | | silty sands, poorly graded sand-silt mixtures |
| | | | SC | | clayey sands, poorly graded sand-clay mixtures |
| FINE GRAINED SOILS more than half < #200 sieve | SILTS AND CLAYS liquid limit less than 50 | | ML | | inorg. silts and v.fine sands, rock flour silty or clayey sands, or clayey silts w/sl. plasticity |
| | | | CL | | inorg. clays of low-med plasticity, gravelly clays, sandy clays, silty clays, lean clays |
| | | | OL | | organic clays and organic silty clays of low plasticity |
| | SILTY AND CLAYS liquid limit greater than 50 | | MH | | inorganic silty, micaceous or diatomacious fine sandy or silty soils, elastic silts |
| | | | CH | | inorganic clays of high plasticity, fat clays |
| | | | OH | | organic clays of medium to high plasticity organic silts |
| | HIGHLY ORGANIC SOILS | | Pt | | peat and other highly organic soils |

## LEGEND FOR BORING LOGS




| | | | |
|---|---|---|---|
| ACC ENVIRONMENTAL CONSULTANTS<br>1000 ATLANTIC AVENUE, SUITE 110<br>ALAMEDA, CA 94501 | | Soil Classification System | |
| Project No. 6064-2 | Date: 1/9/93 | DRN: MCK | 2964 Fruitvale Ave. |

15/3W 32P2

3 of 7

407400

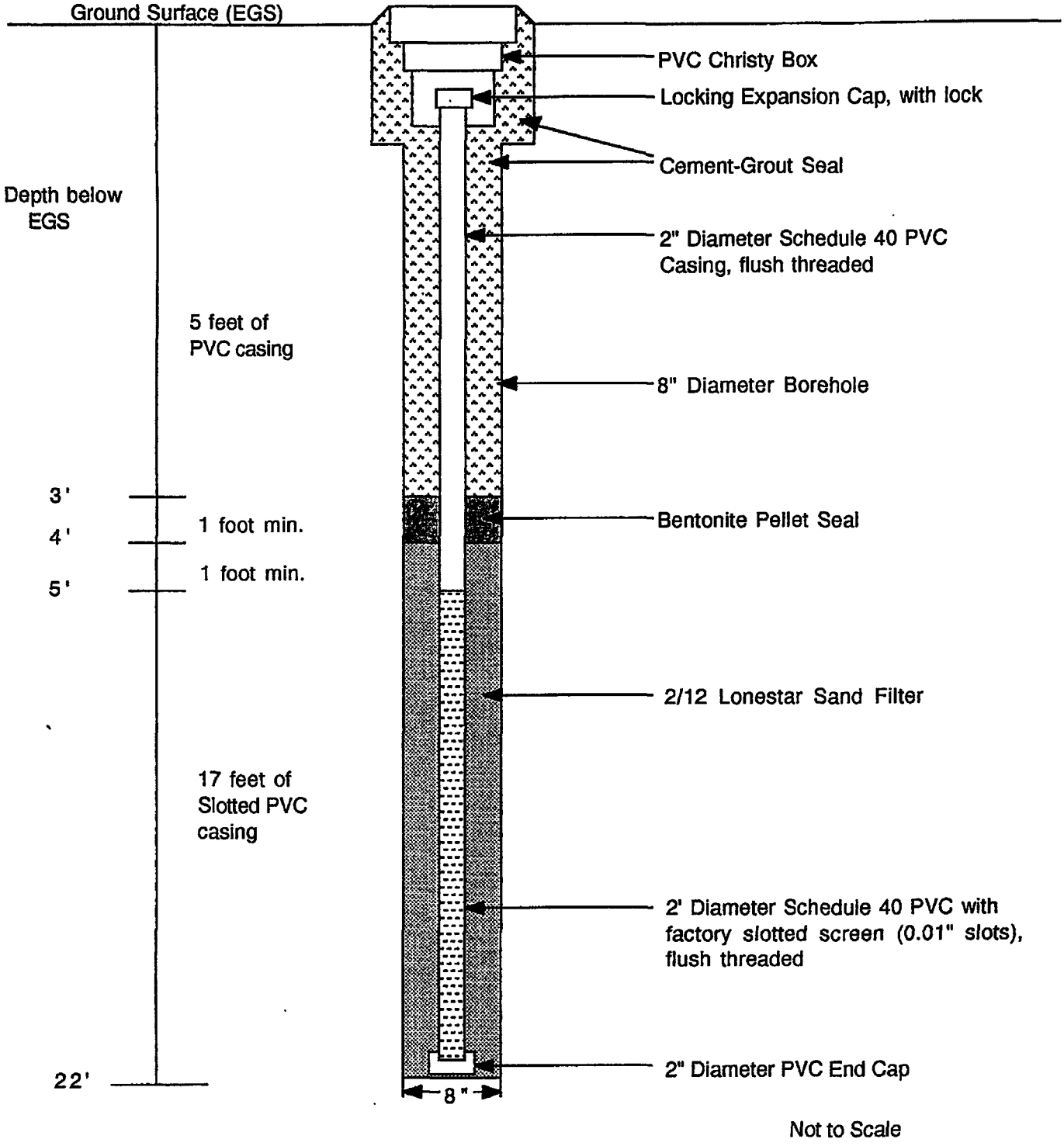
| Bayland Drilling<br>B-53 Drill Rig. | MicroTip (ppm) | Blows/6 in. | SAMPLE # | Sample Int. | Depth (feet) | Equipment: Hollow Stem Auger<br>Logged By: M. Kaltreider<br>PROJECT: 2964 Fruitvale Avenue<br>Start Date: 01/15/93 |
|---|---|---|---|---|---|---|
| Soil color described using Munsell soil color charts<br>Color code | | | | | 0 | Asphalt: 4" lift. Lt. brown gravelly silt (GM) & gravelly clay (GC), med grained,dense (baserock) |
| | | | | | 2 | Very dark greyish brown/red mottled silty clay (CL), plastic, medium stiff, moist. |
| (10YR-3/2) | 0 | 3 | MW2-5 | | 4 | |
| | | | | | 6 | Hydrocarbon odor in cuttings. |
| | | | | | 8 | ▼ (groundwater 01/15/93) |
| (10YR-3/2)<br>(Gley - 4) | 50 | 4 | MW2-10 | | 10 | Very dark greyish brown to dark grey mottled clay (CH), plastic, saturated, medium stiff, strong hydrocarbon odor |
| | | | | | 12 | |
| | | | | | 14 | Dark olive gray sandy clay (CL), plastic, medium stiff, saturated. |
| (5Y-3/2) | 10 | 7 | MW2-15 | | 16 | |
| | | | | | 18 | |
| | | | | | 20 | Brown clayey gravel (GC) with sand, medium dense, saturated. |
| (10YR-4/3) | 0 | 10 | MW2-20 | | 22 | |
| (10YR-4/3) | 0 | 30 | | | 24 | Brown gravelly sand (SW), medium dense, saturated. |
| | | | | | 26 | BOTTOM OF BORING @ 22 FEET |
| | | | | | 28 | |

| ACC ENVIRONMENTAL CONSULTANTS<br>1000 ATLANTIC AVEUNUE, SUITE 110<br>ALAMEDA, CA 94501 | JOB NO: 6068-2 | BORING MW-2 |
|---|---|---|
| | DATE: 02/13/93 | 2964 Fruitvale Avenue |

1S/3W 32P2

4 of 7

407400




| | | |
|---|---|---|
| ACC Environmental Consultants<br>1000 Atlantic Avenue, Suite 110<br>Alameda, CA 94501 | Job No.: 6068-2 | Schematic of Monitoring Well No.: MW-2 |
| | Date: 02/13/93 | 2964 Fruitvale Avenue |

5 of 7 407400 1S/3W 32P2

**Geochem** ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California
Phone: (408) 955-9988 / FAX: (408) 955-9538

**ANALYTICAL REPORT**



**********

Client: ACC Environmental
1000 Atlantic Ave.
Alameda, CA 94501
Attn: Misty Kaltreider

Date Sampled: 01/15/93
Date Received: 01/18/93
Date Analyzed: 01/19/93
Batch:SD-071 Matrix: Soil
Conc. Unit mg/kg(ppm)

Project: Fruitvale (Proj.#6068-2)

**********

"**ND**" means "not detected" at indicated detection limit.
**B**:benzene, **T**:toluene, **E**:ethylbenzene & **X**:total xylenes.
Samples received chilled with a chain of custody record.

| **SAMPLE I.D.** | Total Lead |
|---|---|
| **DETECTION LIMIT** | 1 ppm |
| MW-2-10' | ND |
| MW-3-10' | ND |

Reviewed and approved by George Tsai, Jan. 20, 1992
George Tsai, Laboratory Director

647 407400 1S/3W 32 P2

# Geochem ENVIRONMENTAL LABORATORIES

Mobile & In-House Laboratories Certified by State of California
Phone: (408) 955-9988 / FAX: (408) 955-9538

**ANALYTICAL REPORT**



Client: ACC Environmental
1000 Atlantic Ave.
Alameda, CA 94501
Attn: Misty Kaltreider

Date Sampled: 01/15/93
Date Received: 01/18/93
Date Analyzed: 01/19/93
Batch:SD-071 Matrix: Soil
Conc. Unit ug/kg(ppb)

Project: Fruitvale (Proj.#6068-2)

"**ND**" means "not detected" at indicated detection limit.
**B**:benzene, **T**:toluene, **E**:ethylbenzene & **X**:total xylenes.
Samples received chilled with a chain of custody record.

| SAMPLE I.D. | 8015M/TPH Gasoline | 8020 B / T / E / X |
|---|---|---|
| **DETECTION LIMIT** | 50ppb | 0.5 ppb |
| MW-2-5' | ND | ND / ND / ND / ND |
| MW-2-10' | 11350 | 1254.6/ 1112.1 / 1267.5 / 1679.8 |
| MW-3-5' | ND | ND / ND / ND / ND |
| MW-3-10' | 7610 | 1540.0/ 1774.7 / 1249.0 / 1613.5 |

Reviewed and approved by George Tsai, JAN. 20, 1993
George Tsai, Laboratory Director

737 407400

# Geochem ENVIRONMENTAL LABORATOR

Mobile & In-House Laboratories Certified by State of Ca

Phone: (408) 955-9988 / FAX: (408) 955

**ANALYTICAL REPORT**



**********

Client: ACC Environmental
1000 Atlantic Ave.
Alameda, CA 94501
Attn: Misty Kaltreider

Date Sampled: 01/26/93
Date Received: 01/27/93
Date Analyzed: 01/28/93
Batch:SD-078 Matrix: Water
Conc. Unit ug/kg(ppb)

Project: Fruitvale (Proj.#6068-2) (418.1 EPA Conc. Unit mg/kg(ppm))

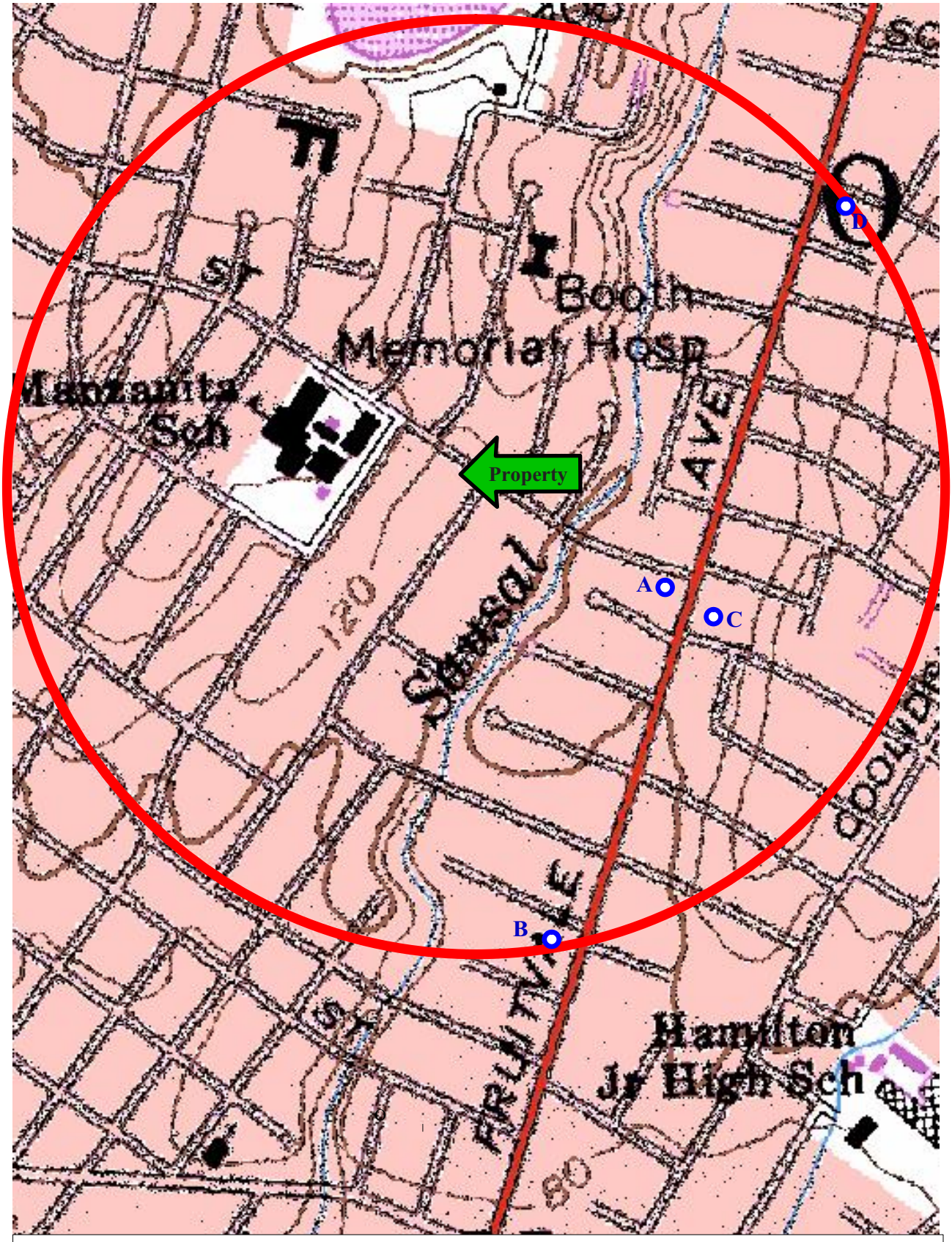
**********

"**ND**" means "not detected" at indicated detection limit.
**B**:benzene, **T**:toluene, **E**:ethylbenzene & **X**:total xylenes.
Samples received chilled with a chain of custody record.

| **SAMPLE I.D.** | 8015M/TPH Gasoline | EPA 418.1 | 602 B / T / E / X |
|---|---|---|---|
| **DETECTION LIMIT** | 50 ppb | 1 ppm | 0.5 ppb |
| MW-1 | ND | | ND / ND / ND / ND |
| MW-2 | ND | | ND / ND / ND / ND |
| MW-3 | 1800 | 28 | 83.1 / 95.9 / 169.2 / 318.7 |

Reviewed and approved by George Tsai FEB. 29, 1993
George Tsai, Laboratory Director

## Well Survey Map




Ceres Associates

Project CA1264-3

Former Gasoline Station
2547 East 27th Street
Oakland, California

Scale
1:615

Estimated
Groundwater
Flow Direction

WELL SURVEY MAP

2,000 foot radius

N

**Well Map Key**

- Property location

- Boundary of 2,000 foot radius around the Property

- Monitoring wells location

**A** - Chevron station monitoring well location. There are 14 monitoring wells at this location.

**B** - Quik-Stop Market monitoring well location. There is one well at this location.

**C** - Peralta Hacienda monitoring well location. There are four wells at this location.

**D** - Mrs. Frances Beddig monitoring well location. There are three wells at this location.