



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

August 23, 1996

STID 2612

REMEDIAL ACTION COMPLETION CERTIFICATION

Santa Fe Pacific Realty Corp.
201 Mission St.
San Francisco, CA 94105

Re: Pacific Racing Association, located at 1100 Eastshore Freeway,
Albany, CA 94706

To Whom It May Concern,

This letter confirms the completion of site investigation and remedial action for the three underground storage tanks (one 2,000-gallon diesel tank, one 2,000-gallon unleaded gasoline tank, and one 200-gallon leaded gasoline 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 the 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, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please telephone Juliet Shin at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director of Environmental Health Services

enclosure

c: Acting Chief, Hazardous Materials Division - files
Juliet Shin, ACDEH
Kevin Graves, RWQCB
Lori Casias, SWRCB

01-1646

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 13, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy.
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Juliet Shin Title: Senior HMS

II. CASE INFORMATION

Site facility name: Pacific Racing Association
Site facility address: 1100 Eastshore Freeway, Albany, CA 94706
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 2612
URF filing date: 12/14/88 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
1) Santa Fe Pacific Realty Corp.	201 Mission St. San Francisco, CA 94105	
2) Kjell Quale Golden Gate Fields	1100 Eastshore Hwy. Albany, CA 94706	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	2,000	diesel	removed	12/14/88
2	2,000	unleaded gas	removed	12/14/88
3	200	leaded gas	removed	12/14/88

ENVIRONMENTAL PROTECTION
96 AUG 22 PM 2:20

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 6/13/96
Monitoring Wells installed? Yes Number: Three
Proper screened interval? Yes (4- to 16-foot bgs in Well MW-1)
Highest GW depth below ground surface: 2.44ft (Well MW4)
Lowest depth: 3.74ft (Well MW1)
Flow direction: westerly to northwesterly
Most sensitive current use: Unknown

Leaking Underground Fuel Storage Tank Program

Are drinking water wells affected? **NO** Aquifer name: **Artificial fill overlying marine and marsh deposits.**

Is surface water affected? **NO** Nearest affected SW name: **None**

Off-site beneficial use impacts (addresses/locations): **None**

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy.
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tanks	two 2,000-gallon and one 200-gallon	Unknown	Unknown
Tank Rinsate	250 gallons	Green Oil Refinery California	12/14/88
Soil	220 cubic yards	Liquid Waste Mgmt. McKittrick, CA 93251	1/19&24/89

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	7,000 ¹		ND	ND
TPH (Diesel)	12,400 ²	³	87	ND
Benzene	0.43 ¹		3	ND
Toluene	170 ¹		9	ND
Xylene	102 ¹		4	ND
Ethylbenzene	41 ¹		ND	ND
Oil & Grease	6,200 ²	³		
Pb	690 ¹			

¹ Surficial soil samples collected from hand augers (not in the immediate vicinity of the USTs.

² Tank removal soil samples

³ Tank pit was subsequently overexcavated until no visual signs of contamination were observed. However, no samples were collected for lab analysis.

IV. CLOSURE

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

Leaking Underground Fuel Storage Tank Program

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. If the pavement at the site is removed or any construction activities involving excavation takes place at the site, a Health & Safety plan shall be prepared addressing the potential human health and environmental threat posed by the residual surficial soil contamination at the site. If land use changes, the local regulatory agency should be notified.

Monitoring wells Decommissioned: NO Will be decommissioned upon receipt of case closure.

Number Decommissioned:

Number Retained:

List enforcement actions taken: None

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Juliet Shin
Signature: *Juliet Shin*

Title: Senior HMS
Date: 7/16/96

Reviewed by
Name: Eva Chu
Signature: *Eva Chu*

Title: Hazardous Materials Specialist
Date: 7/17/96

Name: Tom Peacock
Signature: *Tom Peacock*

Title: Supervising HMS
Date: 7-16-96

VI. RWQCB NOTIFICATION

Date Submitted to RB:
RWQCB Staff Name: Kevin Graves

RB Response: *Approved*
Title: San. Engineering Asso. Date: *8/19/96*

VII. ADDITIONAL COMMENTS, DATA, ETC.

Three underground storage tanks (USTs) (one 2,000-gallon diesel, one 2,000-gallon unleaded gasoline, and one 200-gallon gasoline UST) were formerly located in the Corporate Yard at this racetrack site (refer to Attachment 1).

In about October 1988, McLaren Environmental Engineering collected soil samples from six borings that they drilled at the site (SB-1, SB-2, SB-3,

Leaking Underground Fuel Storage Tank Program

SB-N, SB-W, and SB-S), and from nine hand-augered locations on site. These soil samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, and xylenes (BTEX), and lead (refer to Attachment 2). Analysis identified up to 7,000 parts per million (ppm) TPHd, 7,000ppm TPHg, 690ppm lead, 0.43ppm benzene, 170ppm toluene, 41ppm ethylbenzene, and 102ppm xylenes. The bulk of the observed contamination was located in surficial soils (above 1-foot depth), and appeared to be resulting from surface operations and not the USTs.

In November 1988, McLaren Environmental Engineering installed three groundwater monitoring wells, MW-1 through MW-3, at the site (refer to Attachment 3).

On December 14, 1988, three underground storage tanks (USTs) were removed from the above site. It appears that all of the USTs were located within the same tank pit. Soil samples were collected from beneath each end of the three USTs and one from each of the sidewalls (refer to Attachment 4). These soil samples were analyzed for Oil & Grease (O&G), TPHd, and BTEX. Analyses of these samples did not identify any BTEX, but did identify O&G ranging between 20ppm to 6,200ppm, and TPHd ranging between 101ppm and 12,400ppm.

According to the sample results provided in LW Environmental Services' April 28, 1989 report, it appears that three borings, TP-1 through TP-3, were emplaced and sampled on December 6, 1988 (refer to Attachment 4). Soil samples were collected from 1-, 3-, and 5-feet below ground surface (bgs) from these three boring locations and analyzed for TPHd. No contaminants were identified above detection limits.

Between December 14 and 16, the tank pit was overexcavated laterally from 20 feet by 15 feet to 45 feet by 30 feet. Approximately 300 cubic yards of soil was excavated from the UST pit and 220 cubic yards was hauled as non-hazardous to Liquid Waste Management in McKittrick, California.

During the UST removals in December 1988, Well MW-1 was destroyed, and a replacement well was installed on April 25, 1989, within 10 feet of the former tank pit (refer to Attachment 5).

Wells MW-1 through MW-3, along with an already existing off-site well, Well MW-4, were monitored at various times between April 1989 and May 1993 (refer to Attachment 6). The low levels identified in groundwater during these sampling events appear to have naturally degraded.

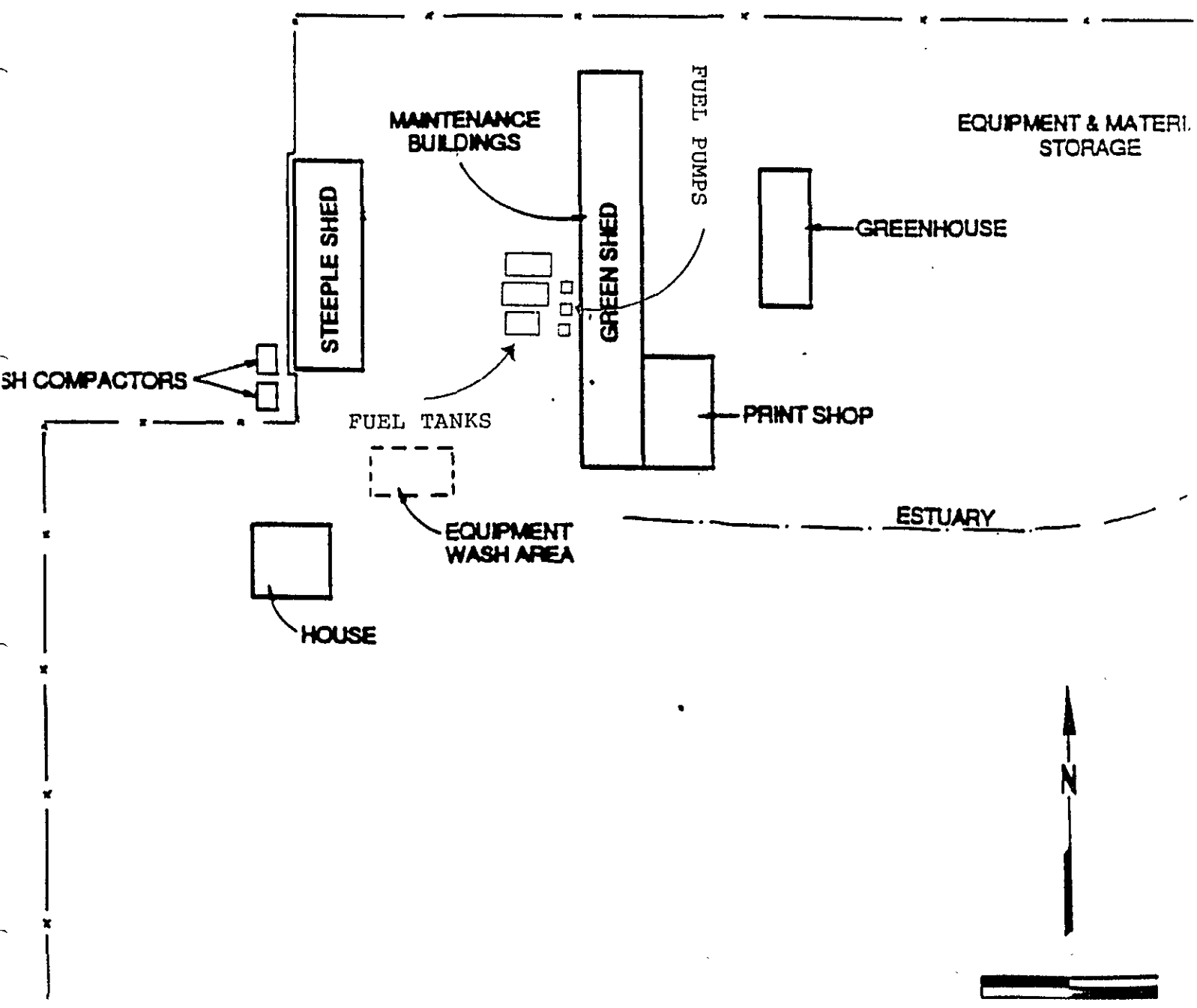
To summarize, the County feels that this site should be closed based on the following reasons:

- 0 Groundwater samples collected from all the on-site monitoring wells in the last three quarterly sampling events (between November 1992

and May 1993), did not identify TPHg, TPHd, or BTEX above detection limits.

- o Although elevated levels of TPHg at 7,000ppm, TPHd at 7,000ppm, and lead at 690ppm, and low levels of BTEX, remain in the surficial soils (less than 1-foot bgs) at the site, this contamination is limited in extent around sample locations HA-4, HA-7, HA-10, and HA-11. The site is currently fully paved and these levels apparently have not significantly impacted the shallow groundwater (2 to 3-feet bgs) beneath the site. If the pavement is removed, the local regulatory agency shall be notified and a human health and environmental risk shall be evaluated under the supervision of the regulating agency.
- o The site is located alongside San Francisco Bay, and the groundwater beneath the site is not potable, based on the State Water Resources Control Board's definition of potable in Resolution No. 88-63.

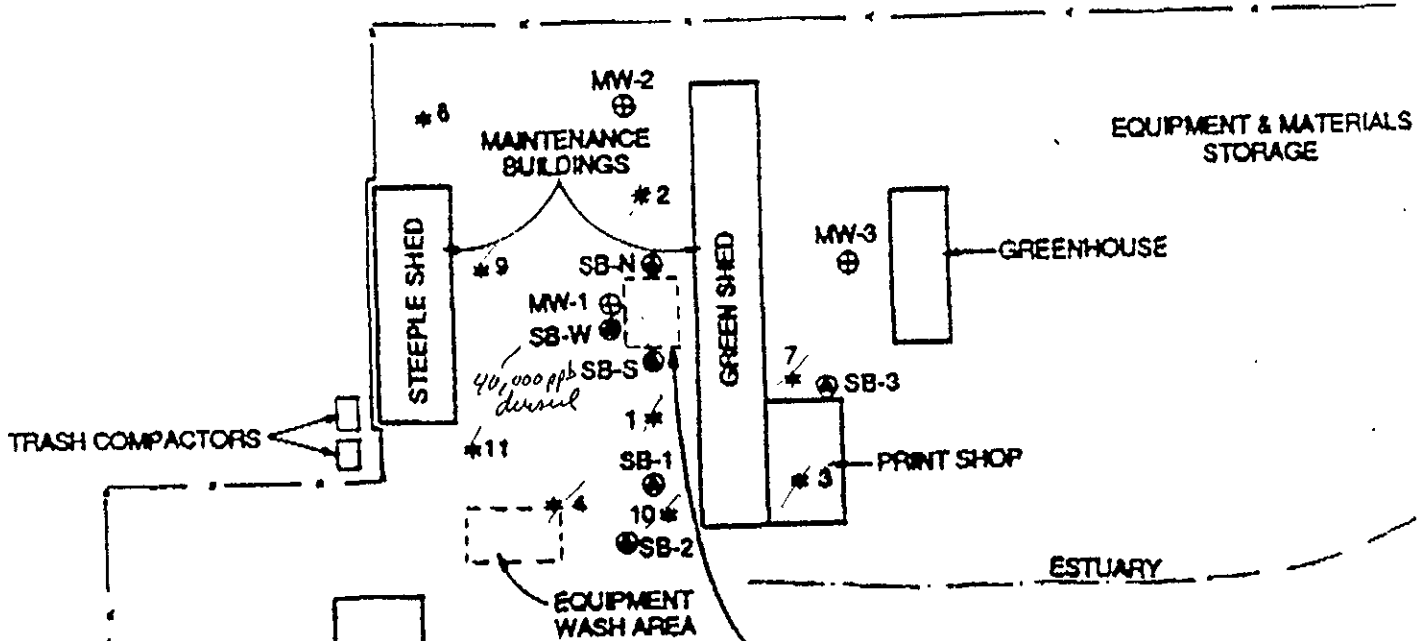
FIGURE 2
GOLDEN GATE FIELDS
1100 BAYSHORE FWY.
CORPORATE YARD
ALBANY, CALIFORNIA
CA0010194



Attachment 2

1100 EASTERN AVENUE
 CORPORATE YARD
 ALBANY, CALIFORNIA
 SITE PLAN
 (CA0010194)

EMPTY DRUMS 88



- 3 UNDERGROUND TANKS
- 1) 500-GAL. REGULAR FUEL
≈ 12 YEARS OLD
 - 2) 2,000-GAL. DIESEL
≈ 7 YEARS OLD
 - 3) 2,000-GAL. UNLEADED FUEL
≈ 7 YEARS OLD

LEGEND

- SLANT SOIL BORING AND WATER SAMPLE
- * HAND AUGER LOCATION
- ⊕ MONITORING WELL



Golden Gate Fields
CA0010194

Table 1: Summary of Analytical Results
Soil Sampling Analyses

<u>LOCATION</u>	<u>SAMPLE NO./DEPTH</u>	<u>ANALYTICAL METHOD</u>	<u>RESULTS (ppm)</u>	
Underground fuel tanks: regular, diesel, unleaded	SB West 1.0'	8015 ¹	60 Diesel <20 Gasoline	
		8020 ²	<0.02 ³	
		7420 ⁴	63 Pb ⁵	
	4.0'	8015	<10 Gasoline/Diesel	
	7.0'	8015	<10 Gasoline/Diesel	
3' E of SB west	HA West 1.0'	8015	<10 Gasoline/Diesel	
		5.0'	8015 60 Diesel <50 Gasoline	
South soil boring	SB South 1.0'	8015	800 Diesel <50 Gasoline	
		8020	0.03 Toluene <0.02 ⁵	
		7420	26 Pb	
		4.0'	8015	30 Diesel <50 Gasoline
		7.0'	8015	<20 Gasoline/Diesel
3' N of SB South	HA South 0.5'	8015	20 Diesel <10 Gasoline	
		5.0'	8015 300 Diesel <50 Gasoline	

¹ Modified EPA Method 8015 (total petroleum hydrocarbons)

² EPA Method 8020 (volatile aromatic compounds)

³ Reporting limit for all compounds

⁴ EPA Method 7420 (lead)

⁵ Reporting limit for all other compounds

Golden Gate Fields
CA0010194

Table 1: Summary of Analytical Results
Soil Sampling Analyses
(Continued)

<u>LOCATION</u>	<u>SAMPLE NO./DEPTH</u>	<u>ANALYTICAL METHOD</u>	<u>RESULTS (ppm)</u>
North soil boring	SB North 1.0'	8015	10 Diesel <10 Gasoline
		8020	0.03 Benzene <0.02 ⁵
		7420	75 Pb
	4.0'	8015	<10 Gasoline/Diesel
	7.0'	8015	<10 Gasoline/Diesel
3' S of SB North	HA North 0.5'	8015	<50 Gasoline/Diesel
-5' N of SB west	MW-1 0.5'	8015	60 Diesel <20 Gasoline
		8020	<0.02 ³
		7420	32
	6.5'	8015	300 Diesel <20 Gasoline
	8020	0.02 Benzene <0.02 ⁵	
-60' N of SB north	MW-2 0.5'	7420	79
		8015	20 Diesel <10 Gasoline
		8020	<0.02 ³
	6.5'	8015	<10 Gasoline/Diesel
	8020	<0.02 ³	
-20' E of greenhouse	MW-3 0.5'	8015	30 Gasoline <10 Diesel

Golden Gate Fields
CA0010194

Table 1: Summary of Analytical Results
Soil Sampling Analyses
(Continued)

<u>LOCATION</u>	<u>SAMPLE NO./DEPTH</u>	<u>ANALYTICAL METHOD</u>	<u>RESULTS (ppm)</u>
		8020	0.05 Toluene 0.06 p-Xylene <0.03 ⁵
	6.5'	8015 8020	<10 Gasoline/Diesel <0.02 ³
-60 feet south of SB-5	SB-1 3.5-4.0'	8015	<10
		8020	<0.02 ³
		7420	690 Pb ⁴
	7.0-7.5'	8015 8020 7420	40 Diesel <0.02 ³ 87 Pb ⁴
	9.5-10.0'	8015 8020 7420	<10 <0.02 20 Pb ⁴
-80 feet south of SB-5	SB-2 4.0-4.5'	8015	20 Diesel
		8020	<0.02 ³
		7.0-7.5'	8015 8020
	4.0-4.5'	8015 8020	<10 <0.02 ³
North of print shop	SB-3 4.0-4.5	8015	<10
		8020	<0.02 ³
		7.0-7.5	8015 8020
	10.0-10.5	8015 8020	<10 <0.02 ³

Golden Gate Fields
CA0010194

Table 1: Summary of Analytical Results
Soil Sampling Analyses
(Continued)

<u>LOCATION</u>	<u>SAMPLE NO. /DEPTH</u>	<u>ANALYTICAL METHOD</u>	<u>RESULTS (ppm)</u>	
Heavily stained unpaved area	HA-1	0.5'	8015 8020	<200 Gasoline/Diesel <0.02
	HA-1	3.5'	8015 8020	100 Diesel <10 Gasoline <0.2
Cracked concrete/suspect oil change area	HA-2	0.5'	8015 8020	<10 Gasoline/Diesel <0.2
	HA-3	0.5'	8015 8020	<10 Gasoline/Diesel <0.2
Down-gradient of equipment wash area	HA-4	0.5'	8015 8020	3800 Diesel <200 Gasoline/Diesel 0.43 Benzene 0.60 Toluene
	HA-5	0.5'	8015 8020	400 Diesel <200 Gasoline <0.2
Adjacent to drums (stains)	HA-5	3.8'	8015 8020	<100 Gasoline/Diesel <0.2

Golden Gate Fields
CA0010194

Table 1: Summary of Analytical Results
Soil Sampling Analyses
(Continued)

<u>LOCATION</u>	<u>SAMPLE NO. /DEPTH</u>	<u>ANALYTICAL METHOD</u>	<u>RESULTS</u>	
Heavily stained area	HA-6	0.5'	8015	<10 Gasoline/Diesel
		8020	<0.2	
	3.8'	8015	<10 Gasoline/Diesel	
		8020	<0.2	
Paint spill area	HA-7	0.5'	8015	7000 Gasoline
		8020	<1000 Diesel 170 Toluene 41 Ethylbenzene 102 Total Xylenes	
In center Gasoline/Diesel of trash area	HA-8	0.5'	8015	<100
			8020	0.2 Toluene
	HA-9	0.5'	8015	500 Diesel
			8020	<100 Gasoline 0.2 ⁶
Heavily stained area	HA-9	5.0'	8015	<10 Gasoline/Diesel
			8020	<0.2 ⁶
Lowest drainage area at site-start of ditch to estuary	HA-10	0.5'	8015	7000 Diesel
			8020	<1000 Gasoline <0.2 ⁶
	HA-10:	2.5'	8015	90 Diesel
			8020	<10 Gasoline <0.2 ⁶
Down-gradient of oil change/engine report area	HA-11	0.5'	8015	1000 Gasoline
			8020	<100 Diesel <60 ⁷
	HA-11	3.0'	8015	<20 Gasoline/Diesel
			8020	<0.2 ⁶

⁶ Reporting limit for ethyl benzene; reporting limit for other compounds are 0.1 or 0.05 ppm; see data sheet

⁷ Reporting limit for 1,3-dichlorobenzene; reporting limits for other compounds are 30, 20, 10, 5 ppm; see data sheet.

Attachment 3

MW-4 (LF-11)

RACE TRACK PARKING

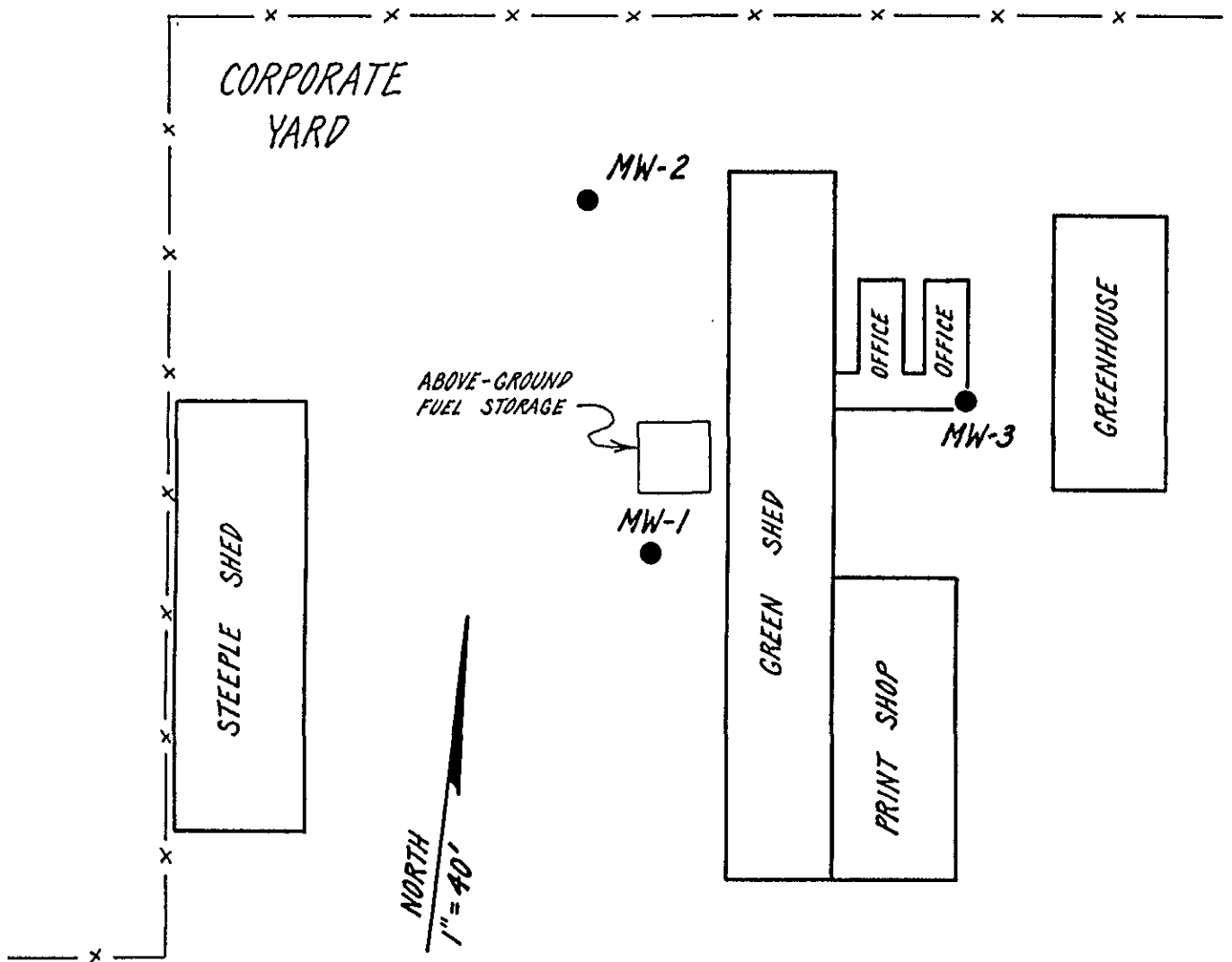


FIGURE 2.
Site Map.

SOIL DRILLING LOG

SB/MW # : MW-1
 # D- NA
 Page 1 of 1
 Sampler: B. WRIGHT

PROJECT 5.1:GOLDEN GATE FIELDS LOCATION 122' S OF CORP. YARD ENT., 30'W OF GRN. SHED
 ELEVATION _____ MONITORING DEVICE TIP PHOTOVAC
 SAMPLING DATE(S) 11/10/88 START 10:37 AM FINISH 11:30 AM
 SAMPLING METHOD CALIF. SPLT. SPM. SUBCONTRACTOR & EQUIPMENT ASE DRILL B-61
 MEMO _____

Depth Below Surface (ft.)	Penetration Results		Sampler Depth Interval (ft.)	Sample ID #	TIP reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Classification	Graphic Log	Sampled Depth	Borehole Abandonment/ Well Construction Details
	Blows 6"-6"-6"	BPF								
0.0-0.5			0.0-0.5	027714	7.5 8.5	Yellow brown (10 YR 5/4), gravelly sand; moist.	SW			
2.5						Light olive gray (5Y6/2), clayey sand with gravel dust; saturated; plastic.	SC			
5.0-6.0	3-2-2	4	5.0-6.0	027715	4.0 4.6					
10.0-12.5					1.5 2.0	Olive gray (5Y 4/2), clayey sand; saturated; soft.				



SOIL DRILLING LOG

SB/MW # : MW-2
 # D- NA
 Page 1 of 1
 Sampler: B. WRIGHT

PROJECT 5.1: GOLDEN GATE FIELDS LOCATION 33'W OF GRN. SHED, 43'S OF ENT. TO CORP. YRD
 ELEVATION _____ MONITORING DEVICE TIP PHOTOVAC
 SAMPLING DATE(S) 11/10/88 START 9:10 AM FINISH 10:00 AM
 SAMPLING METHOD 8" HOLLOW STEM AUGER SUBCONTRACTOR & EQUIPMENT ASE DRILL B-61
 MEMO _____

Depth Below Surface (ft.)	Penetration Results		Sampler Depth Interval (ft.)	Sample ID #	TIP reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Classification	Graphic Log	Sampled Depth	Borehole Abandonment/ Well Construction Details
	Blows 6"-6"-6"	BPF								
0.0 - 0.5			0.0-0.5	027712	5.2 6.0	Pale brown (10YR 6/3), sandy gravel; slightly moist; fill.	GC			G-5 Christy Box Water tight locking cap Neat Cement 5% Bentonite Bentonite pellets 2" I.D. Sch. 40 PVC flush joint, blank casing No. 3 Lonestar gravel pack 8.0" Dia. Boring 2" I.D. Sch. 40 PVC flush joint, 0.020" Slotted Well Screen 2" Threaded end cap T.D. 15.0'
2.5 - 5.0	1-1-2	3	5.0-6.5	027713	1.0 1.5	Pale olive (5Y 6/3) to light yellowish brown (10YR 6/4), clayey sand; saturated.	SC			
5.0 - 12.5						Black (10YR 2/1), silty clay, with clam shells; saturated; soft.	CH			

APPENDIX C

APPENDIX D



SOIL DRILLING LOG

SB/MW # : MW-3
 # D- NA
 Page 1 of 1
 Sampler: B. WRIGHT

PROJECT 5.1: GOLDEN GATE FIELDS LOCATION 44'N OF PRINT SHOP, 27'E OF GREEN SHED
 ELEVATION _____ MONITORING DEVICE TIP PHOTOVAC
 SAMPLING DATE(S) 11/10/88 START 7:30 AM FINISH 8:40 AM
 SAMPLING METHOD 8" HOLLOW STEM AUGER SUBCONTRACTOR & EQUIPMENT ASE DRILL B-61
 MEMO _____

Depth Below Surface (ft.)	Penetration Results		Sampler Depth Interval (ft.)	Sample ID #	TIP reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Classification	Graphic Log	Sampled Depth	Borehole Abandonment/ Well Construction Details
	Blows 6"-6"-6"	BPF								
0.0 - 0.5			0.0 - 0.5	027710	6.0 7.0	Pale brown (10YR 6/3), compost; slightly moist; fill.				
2.5 - 5.0	1-2-2	4	5.0 - 6.5	027711	0.0 0.5	Yellowish brown (10YR 5/6) to Pale olive brown (10YR 6/3), sandy clay; moist to saturated below 5.0'; plastic.				
7.5 - 15.0						Black (10YR 2/1), silty clay; saturated; very soft.	CH			

TABLE 1. (continued)

Soil Sampling Results

(Samples Collected on December 15, 1988)

Location	TPH as Diesel (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	Oil & Grease (mg/Kg)
Tank #1, East end	ND	ND	ND	ND	ND	95
Tank #1, West end	ND	ND	ND	ND	ND	825
Tank #2, East end	ND	ND	ND	ND	ND	640
Tank #2, West end	20	ND	ND	ND	ND	260
Tank #3, East end	39	ND	ND	ND	ND	20
Tank #3, West end	37	ND	ND	ND	ND	385
Sidewall, North end	12,400	ND	ND	ND	ND	6,200
Sidewall, East end	5,650	ND	ND	ND	ND	570
Sidewall, West end	ND	ND	ND	ND	ND	410
Sidewall, South end	244	ND	ND	ND	ND	630
Detection Limit	20	1	1	1	1	1

ND = Not Detected

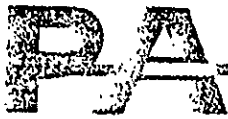
TABLE 1. (continued)

Soil Sampling Results

(Samples Collected on December 14, 1988)

Location	TPH as Diesel (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Total Xylenes (mg/Kg)	Oil & Grease (mg/Kg)
Tank #1, Side Wall	ND	---	---	---	---	---
Tank #2, Side Wall	21	---	---	---	---	---
Tank #2, Side Wall	68	---	---	---	---	---
Tank #3, Side Wall	920	---	---	---	---	---
Tank #3, Side Wall	101	---	---	---	---	---
Detection Limit	20	1	1	1	1	1

ND = Not Detected



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-0300 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

State License No. 211

Date Received: 12/15/89
 Date Reported: 01/15/89
 Job #: 70605

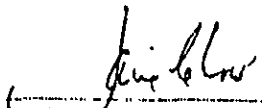
Golden Gate Fields
 1100 Eastshore Highway
 Albany, CA.

Analysis
 mg/kg

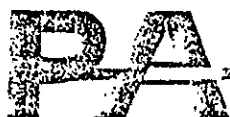
Lab ID	Client ID	Oil & Grease	BTX & E
70605-1	3A-East End of Tank-3	20	ND<1.0
70605-2	3B-West End of Tank-3	385	ND<1.0
70605-3	2B-West End of Tank-2	260	ND<1.0
70605-4	1A-East End of Tank-1	95	ND<1.0
70605-5	1B-West End of Tank-1	825	ND<1.0
70605-6	2A-East End of Tank-2	640	ND<1.0
70605-7	10N-North End - Side Wall	6200	ND<1.0
70605-8	10E-East End - Side Wall	570	ND<1.0
70605-9	10W-West End - Side Wall	410	ND<1.0
70605-10	10S-South End - Side Wall	630	ND<1.0

QA/QC: Spike Recovery for Oil & Grease: 99%
 Spike Recovery for BTX & E Average: 104%

Detection Limit: Oil & Grease = 500 mg/kg
 BTX & E = 1.0 mg/kg



 Jaime Chow
 Laboratory Director



CERTIFICATE OF ANALYSIS

State License No. 211

Date Received: 12/15/88

Date Reported: 12/30/88

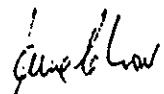
Job #: 70605

Golden Gate Fields
1100 Eastshore Freeway
Albany, CA.

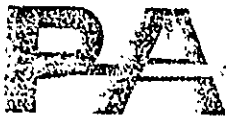
Total Petroleum Hydrocarbon Analysis
By Modified Method 8015
mg/kg

Lab ID	Client ID	Concentration	Hydrocarbon
70605-1	3A-East End Tank 3	39	Diesel
70605-2	3B-West End Tank 3	37	Diesel
70605-3	2B-West End Tank 2	20	Diesel
70605-4	1A-East End Tank 1	<20	Diesel
70605-5	1B-West End Tank 1	<20	Diesel
70605-6	2A-East End Tank 2	<20	Diesel
70605-7	10N-North End Sidewall	12,400	Diesel
70605-8	10E-East End Sidewall	5,650	Diesel
70605-9	10W-West End Sidewall	ND<20	N/A
70605-10	10S-South End Sidewall	244	Diesel

QA/QC: Spike recovery for Diesel: 112 %



Jaime Chow
Laboratory Director



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-0300 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

State License No. 211

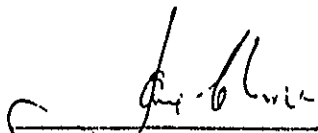
Date Received: 12/06/88
 Date Reported: 12/16/88
 Job #: 70596

Golden Gate Fields
 Corporation Pard Tank Pad
 Albany, CA.

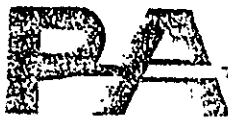
Total Petroleum Hydrocarbon Analysis
 By Modified Method 8015
 mg/kg

Lab ID	Client ID	Concentration	Hydrocarbon
70596-1	Boring TP-1 1'	<20	Diesel
70596-2	Boring TP-1 3'	ND<20	N/A
70596-3	Boring TP-1 5'	ND<20	N/A
70596-4	Boring TP-2 1'	ND<20	N/A
70596-5	Boring TP-2 3'	ND<20	N/A
70596-6	Boring TP-2 5'	ND<20	N/A
70596-7	Boring TP-3 3'	ND<20	N/A
70596-8	Boring TP-3 5'	68	Diesel

QA/QC: Spike Recovery for Diesel: 86.4 %



 Jaime Chow
 Laboratory Director



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CERTIFICATE OF ANALYSIS

State License No. 211

Date Received: 12/14/88

Date Reported: 12/29/88

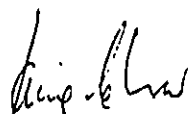
Job #: 70603

Golden Gate Fields
1100 Eastshore Highway
Albany, CA.

Total Petroleum Hydrocarbon Analysis
By Modified Method 8015
mg/kg

Lab ID	Client ID	Concentration	Hydrocarbon
70603-1	Tank #1 Side Wall	<20	Diesel
70603-2	Tank #2 Side Wall	21	Diesel
70603-3	Tank #3 Side Wall	920	Diesel
70603-4	Tank #4 Side Wall	101	Diesel
70603-5	Tank #5 Side Wall	68	Diesel

QA/QC: Spike Recovery for Diesel: 92 %



Jaime Chow
Laboratory Director

TABLE 1.

Soil Sampling Results

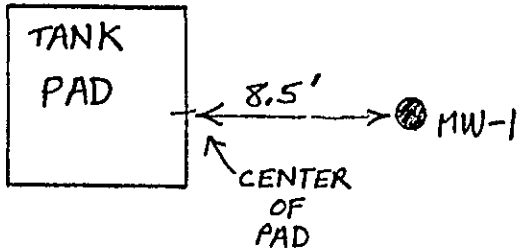
(Samples Collected on December 6, 1988)

Boring	Depth (feet)	TPH as Diesel (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- benzene (mg/Kg)	Total Xylenes (mg/Kg)	Oil & Grease (mg/Kg)
TP-1	1	ND	---	---	---	---	---
	3	ND	---	---	---	---	---
	5	ND	---	---	---	---	---
TP-2	1	ND	---	---	---	---	---
	3	ND	---	---	---	---	---
	5	ND	---	---	---	---	---
TP-3	3	ND	---	---	---	---	---
	5	68	---	---	---	---	---
Detection Limit		20	1	1	1	1	1

ND = Not Detected

LOCATION OF BORING Attachment 5
 MAINTENANCE BLDG

JOB NO. CLIENT LOCATION
 GOLDEN GATE FIELD MAINTENANCE



DRILLING METHOD: CME-45 8" HOLLOW STEM AUGER				BORING NO. MW-1	
SAMPLING METHOD: 2 1/2" SPLIT BARREL SAMPLER WITH BRASS LINERS				SHEET 1 of 1	
WATER LEVEL				DRILLING START TIME	FINISH TIME
TIME				DATE	DATE
DATE				4/25/89	
CASING DEPTH					

DRILLING CONTR.

BY _____ DATE _____
 CHK'D BY _____

DATUM			ELEVATION			DEPTH IN FEET	SOIL GRAPH
SAMPLER TYPE	INCHES DRIVER INCHES RECOVERED	DEPTH OF CASING	SAMPLE NO	SAMPLE DEPTH	BLOWS/FT. SAMPLER		
						0	
						1	
						2	
						3	
2 1/2" SPLIT	18/12				3/5/6	4	
						5	
						6	
2 1/2" SPLIT	18/12				1/2/3	7	
						8	
						9	
						10	
						11	
						12	
						13	
						14	
						15	
						16	
						17	
						18	
						19	
						20	

SURFACE CONDITIONS:

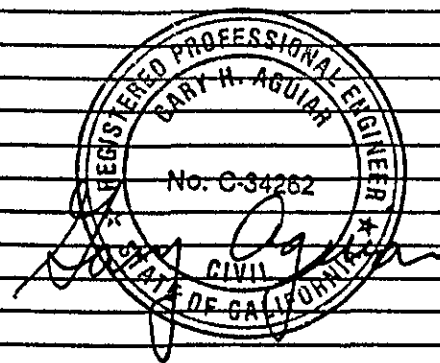
BRN SANDY CLAY (CL), WET, STIFF,
 SAND FINE GRAIN, SCATTERED ORANGE/YELLOW MOTTLING

SAME

SAME, SATURATED, SCATTERED PLANT STEMS,
 ORGANIC MATTER, OCCASIONAL GRAVEL TO 1/4",
 SOFTER CLAY

TD = 16' BLS

SCREEN: 12'
 BLANK: 4'



Attachment 6

TABLE 3.

Shallow Groundwater Sampling Results

Well	Date	TPH as Gasoline (ug/L)	TPH as Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)
MW-1 2.61 3.74 2.49 3.11	04-27-89	ND	---	3.0	9.0	ND	4.0
	08-01-89	ND	ND	ND	ND	ND	ND
	02-02-90	12	---	1.0	ND	ND	ND
	08-01-91	ND	---	ND	1.1	ND	ND
	03-03-92	ND	570	ND	ND	ND	ND
	11-25-92	ND	ND	ND	ND	ND	ND
	03-08-93	ND	ND	ND	ND	ND	ND
05-25-93	ND	ND	ND	ND	ND	ND	
MW-2 2.59 3.88 2.62 2.90	08-01-89	ND	---	ND	0.5	ND	4.0
	03-03-92	ND	87	ND	ND	ND	ND
	11-25-92	ND	ND	ND	ND	ND	ND
	03-08-93	ND	ND	ND	ND	ND	ND
	05-25-93	ND	ND	ND	ND	ND	ND
MW-3 3.05 3.60 2.69 3.04	03-04-92	ND	ND	ND	0.5	ND	4.0
	11-25-92	ND	ND	ND	ND	ND	ND
	03-08-93	ND	ND	ND	ND	ND	ND
	05-25-93	ND	ND	ND	ND	ND	ND
MW-4 3.61 3.16 3.63	11-25-92	ND	ND	ND	ND	ND	ND
	03-08-93	ND	ND	ND	ND	ND	ND
	05-25-93	ND	ND	ND	ND	ND	ND
Detection Limit		50	50	0.5	0.5	0.5	0.5

ND = not detected

TABLE 1.

**Shallow Water Table Elevations
March 8, 1992**

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	100.00	2.49	97.51
MW-2	99.73	2.62	97.11
MW-3	100.31	2.69	97.62
MW-4	99.55	3.16	96.39

Datum is Well MW-1 Top-of-Casing,
set at 100.00 feet.

TABLE 1.

**Shallow Water Table Elevations
November 25, 1992**

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	100.00	3.74	96.26
MW-2	99.73	3.68	96.05
MW-3	100.31	3.60	96.71
MW-4	99.55	3.61	95.94

Datum is Well MW-1 Top-of-Casing,
set at 100.00 feet.

TABLE 2.

**Shallow Water Table Elevations
December 14, 1992**

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	100.00	3.00	97.00
MW-2	99.73	3.20	96.53
MW-3	100.31	3.10	97.21
MW-4	99.55	2.44	97.11

Datum is Well MW-1 Top-of-Casing,
set at 100.00 feet.

TABLE 1.

**Shallow Water Table Elevations
May 25, 1993**

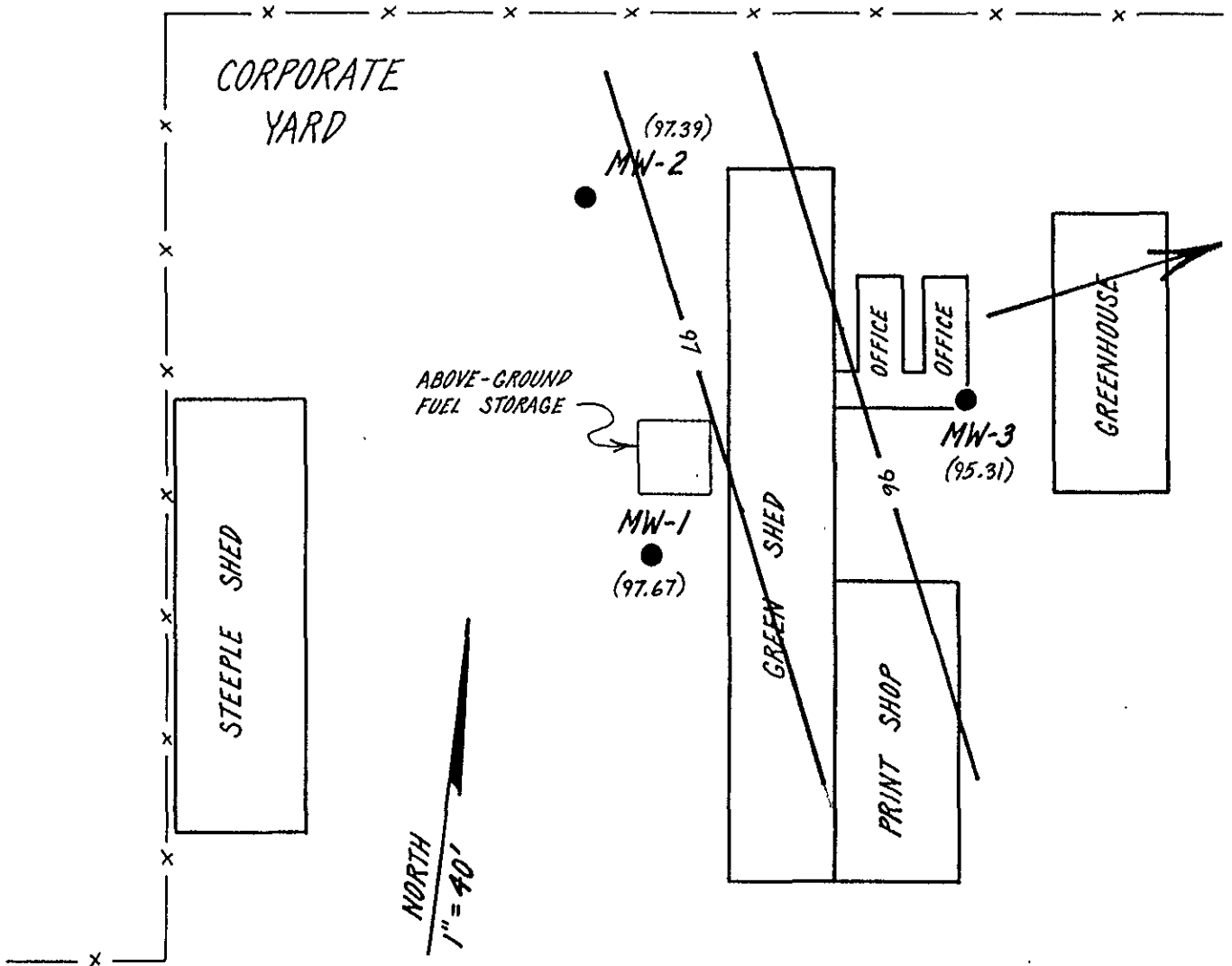
Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Table Elevation (feet)
MW-1	100.00	3.11	96.89
MW-2	99.73	2.90	96.83
MW-3	100.31	3.04	97.27
MW-4	99.55	3.63	95.92

Datum is Well MW-1 Top-of-Casing,
set at 100.00 feet.

MW-4

FIGURE 5.
"Corrected" Shallow Groundwater Table Contour
Map, based upon data collected by Levine Fricke
on March 2, 1992.

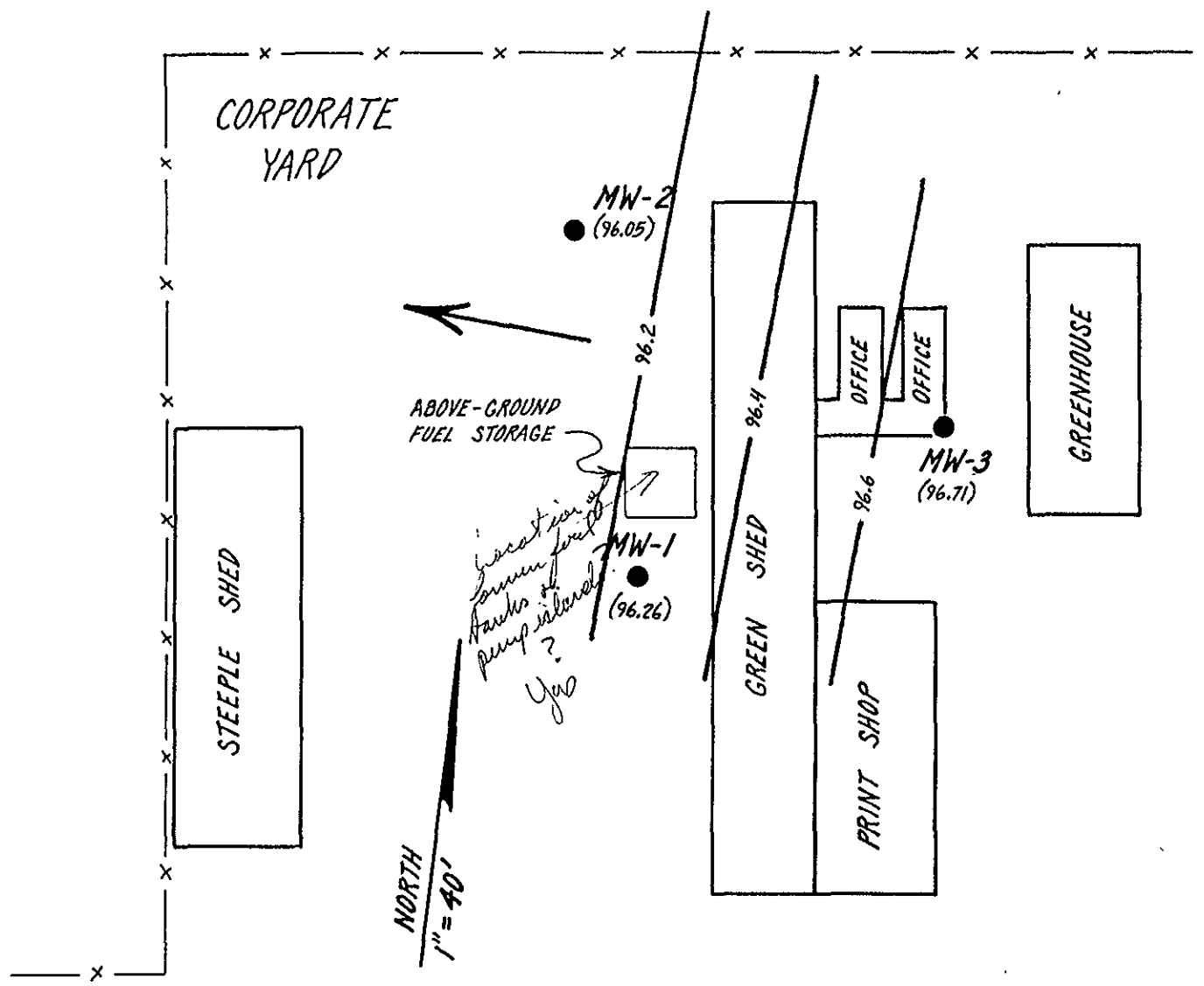
RACE TRACK PARKING



MW-4
(95.94)

FIGURE 3.
Shallow Groundwater Table Contour Map.
(measured on November 25, 1992)

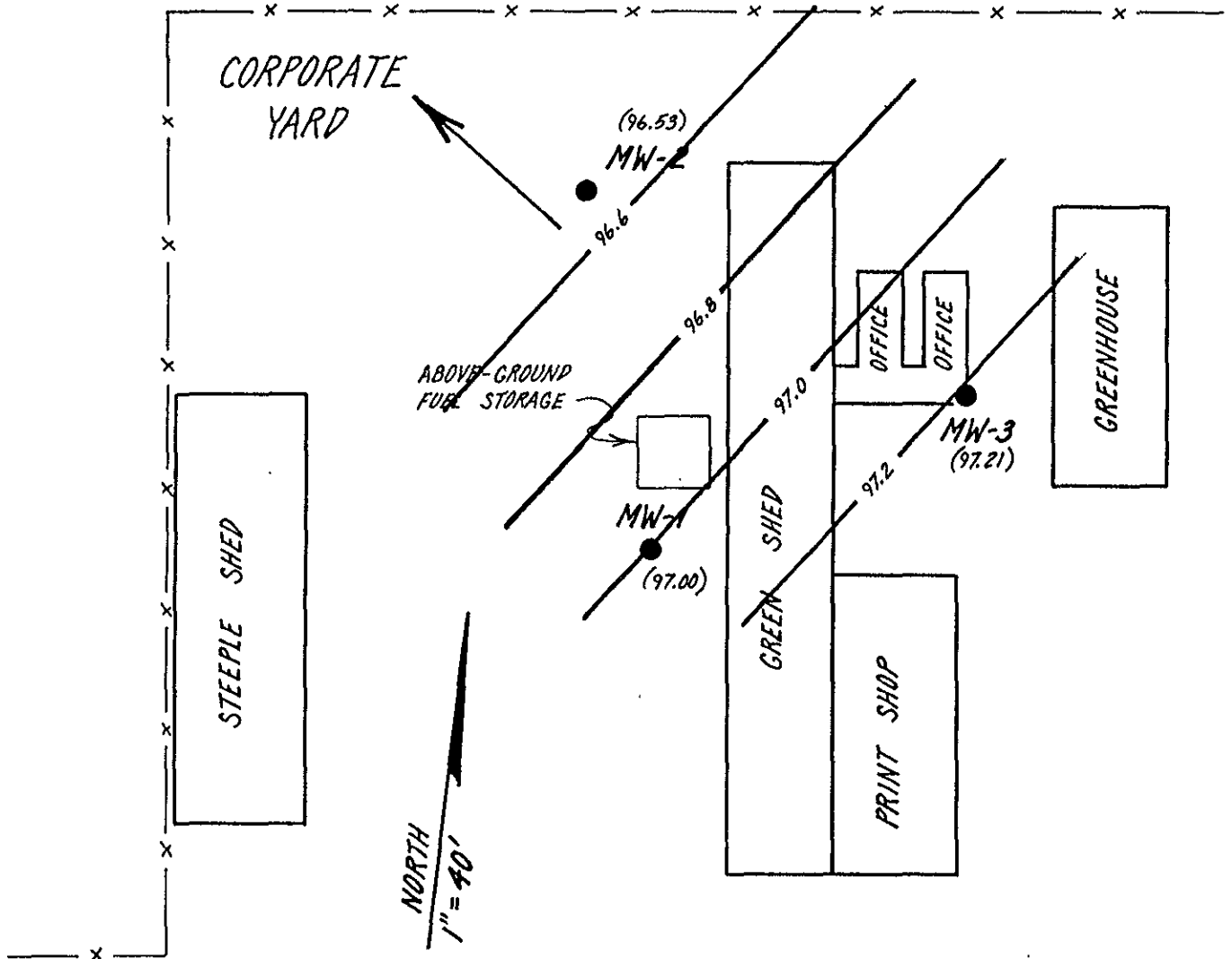
RACE TRACK PARKING



MW-4
(97.11)

FIGURE 4.
Shallow Groundwater Table Contour Map.
(measured December 14, 1992)

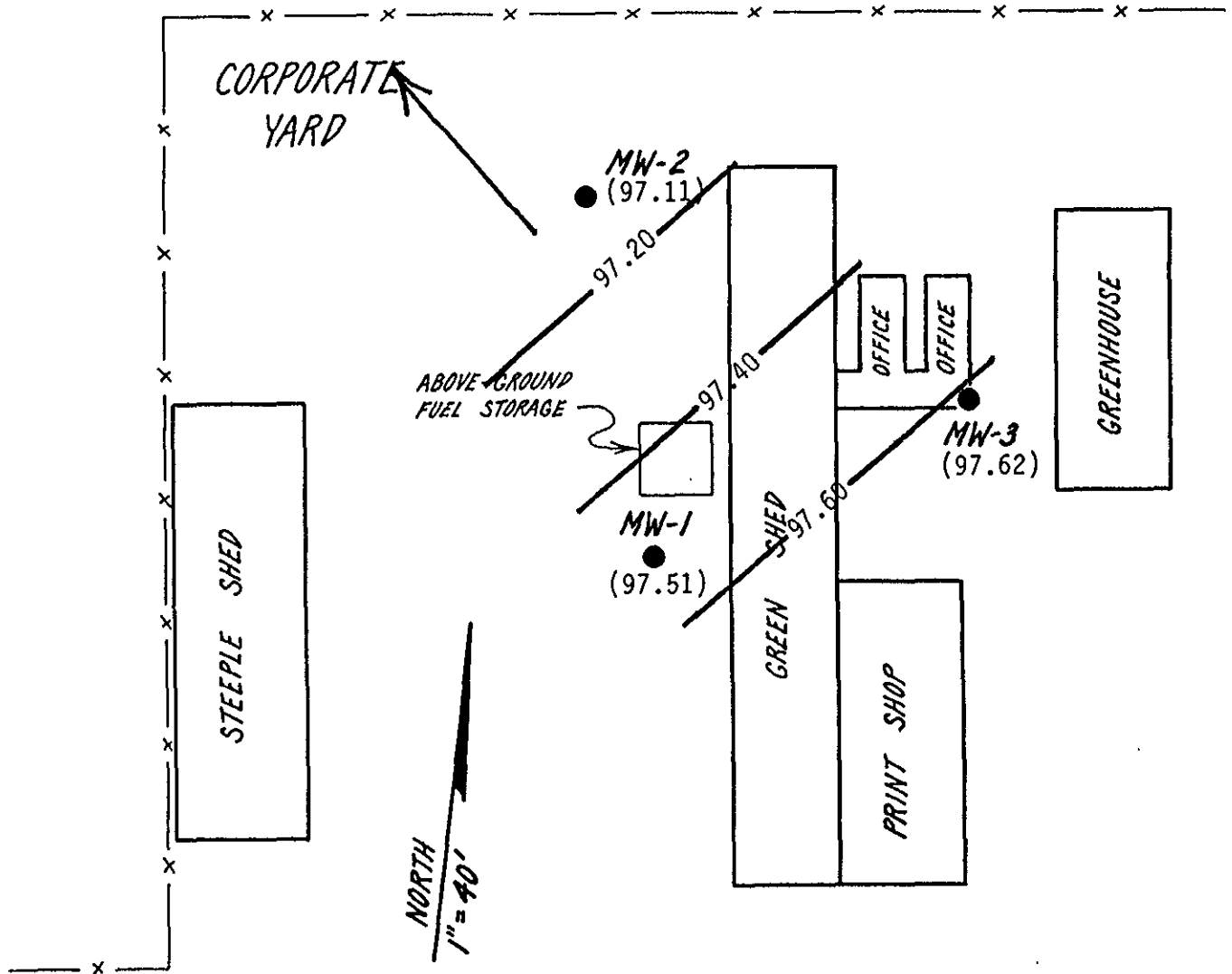
RACE TRACK PARKING



MW-4
● (96.39)

FIGURE 3.
Shallow Groundwater Table Contour Map.
(measured March 8, 1993)

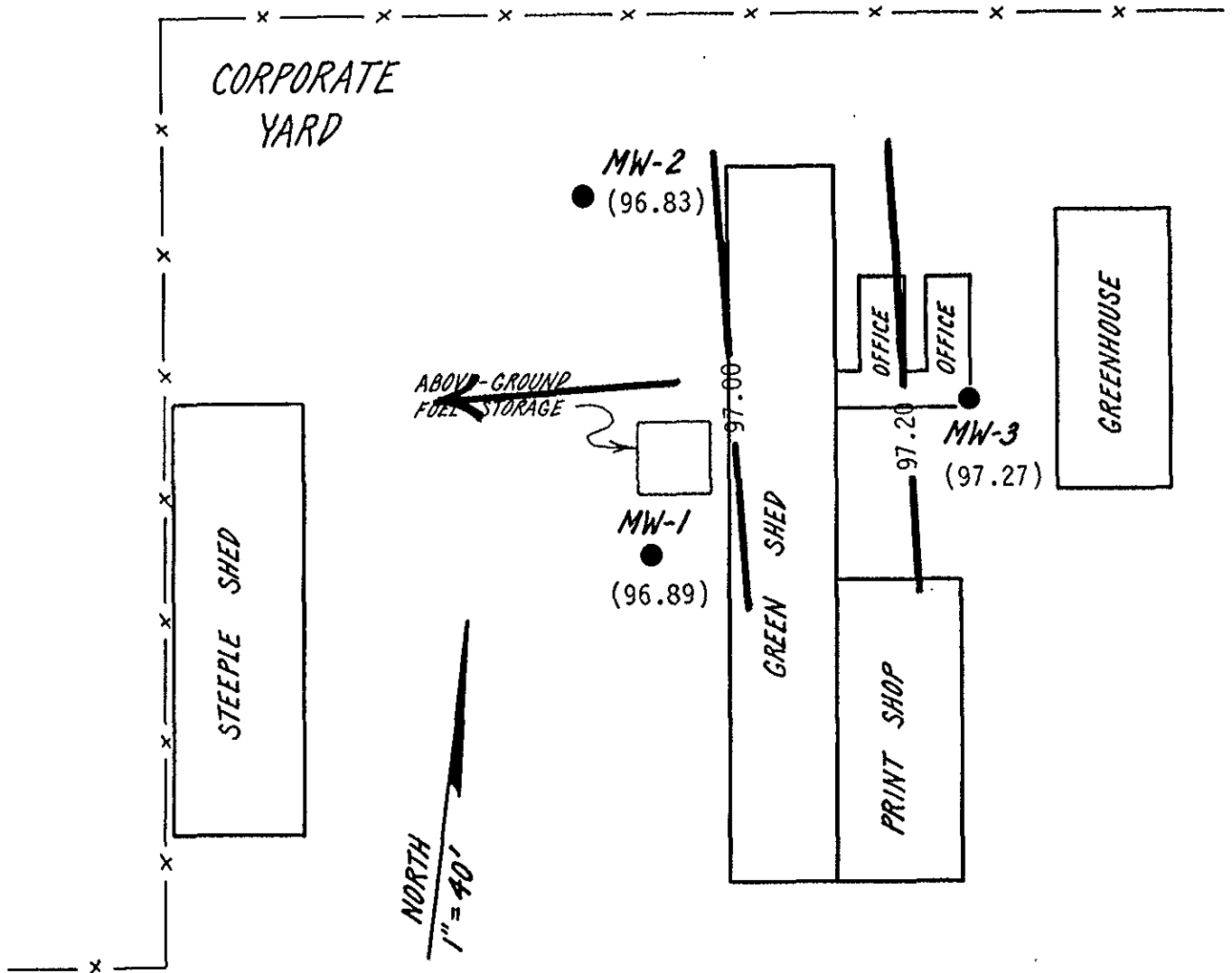
RACE TRACK PARKING



MW-4
● (95.92)

FIGURE 3.
Shallow Groundwater Table
Contour Map (measured May 25, 1993)

RACE TRACK PARKING



MW-4
● (95.92)

FIGURE 4.
Shallow Groundwater Table
Contour Map (measured May 25, 1993).

RACE TRACK PARKING

