

LEGEND

- MW-1
- MW-2

DRAFT

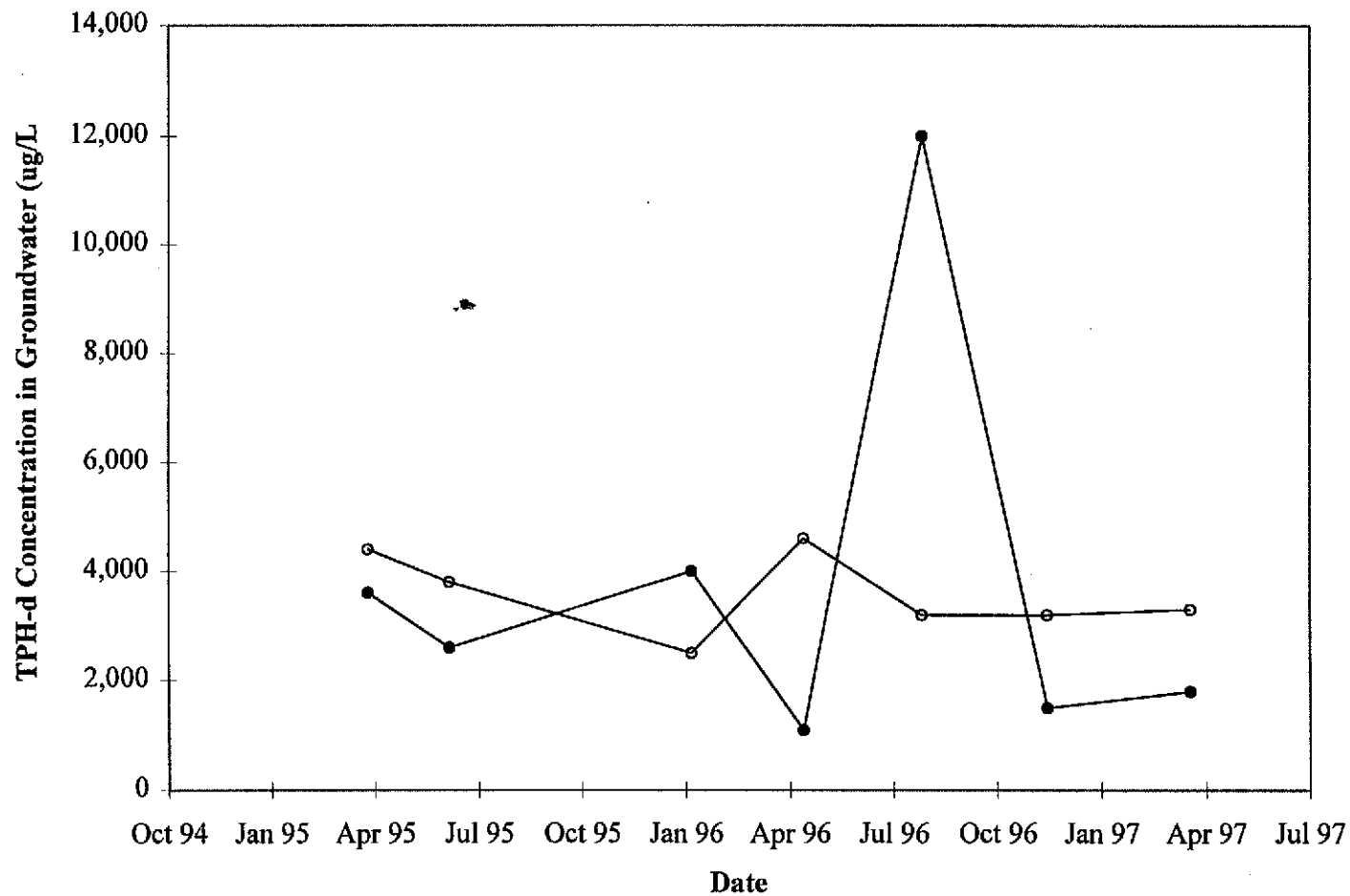
Notes:

1. Samples collected in 1994 and 1995 were collected by TMC Environmental. Samples collected in 1996 and 1997 were collected by Levine-Fricke-Recon.
2. TPH-g = Total Petroleum Hydrocarbons quantified as gasoline.
USTs = Underground Storage Tanks

**Erler &
Kalinowski, Inc.**

TPH-g Concentrations in
Groundwater Samples Collected
Downgradient of Former USTs
at the Former Rifkin Property

Chiron
Emeryville, California
July 1997
EKI 970001.81
Figure 7



LEGEND

- MW-1
- MW-2

DRAFT

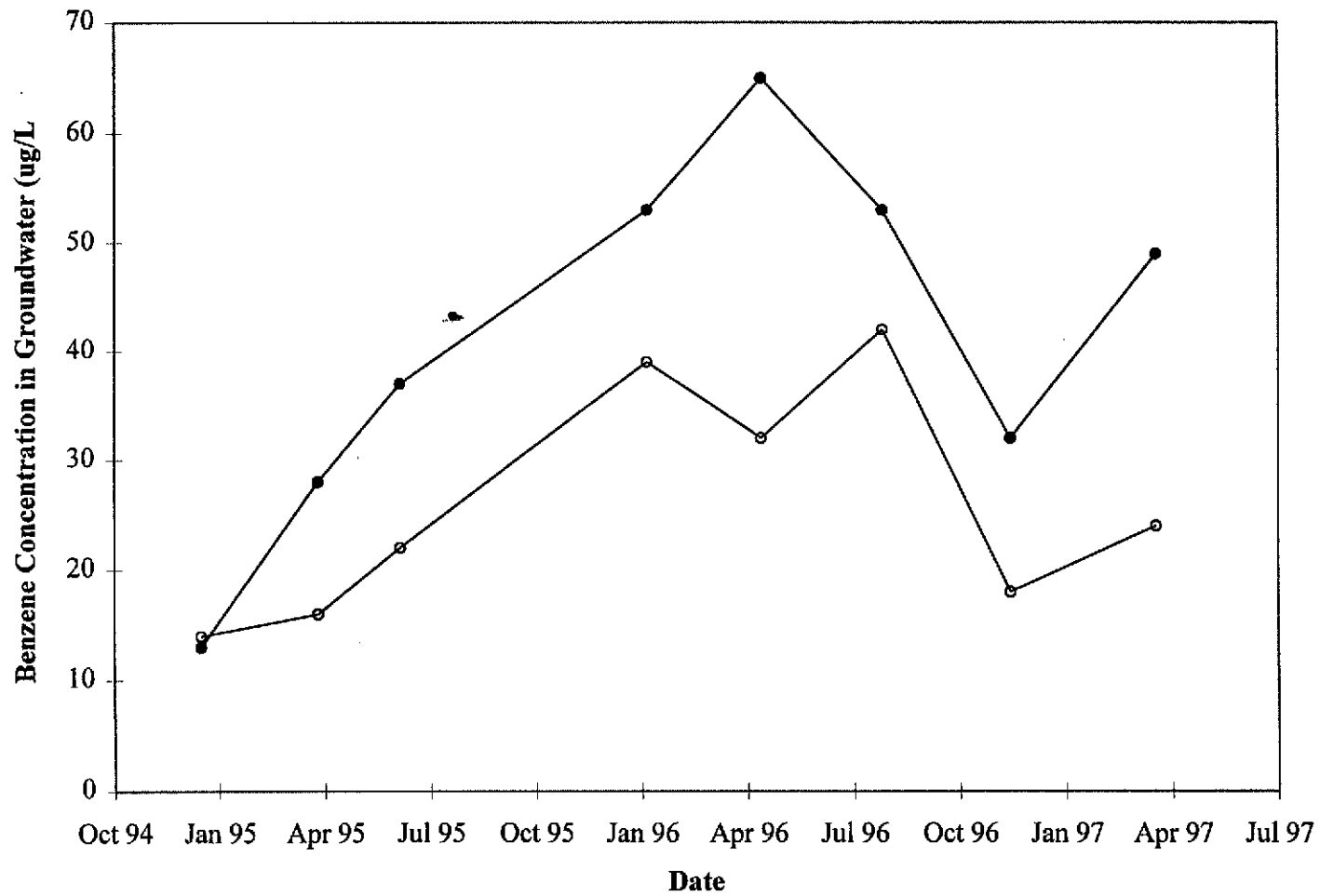
Notes:

1. Samples collected prior to 1996 were collected by TMC Environmental. Samples collected from 1996 to 1997 were collected by Levine-Fricke-Recon.
2. TPH-d = Total Petroleum Hydrocarbons quantified as diesel
USTs = Underground Storage Tanks

**Erler &
Kalinowski, Inc.**

TPH-d Concentrations in
Groundwater Samples Collected
Downgradient of Former USTs
at the Former Rifkin Property

Chiron
Emeryville, California
July 1997
EKI 970001.81
Figure 8



LEGEND

- MW-1
- MW-2

DRAFT

Notes:

1. Samples collected in 1994 and 1995 were collected by TMC Environmental. Samples collected in 1996 and 1997 were collected by Levine-Fricke-Recon.
2. USTs = Underground Storage Tanks

**Erler &
Kalinowski, Inc.**

**Benzene Concentrations in
Groundwater Samples Collected
Downgradient of Former USTs
at the Former Rifkin Property**

Chiron
Emeryville, California
July 1997
EKI 970001.81
Figure 9

Approval
AC/ER

CHIRON LIFE SCIENCE CENTER RIFKIN PROPERTY PARKING LOT UPDATE: 12/16/96

12/18/96 WED 10:18 FAX 510 601 0179 R & S CHIRON

ID	Task Name	Duration	Start	Finish	December					January				February				March			
					D 1	D 8	D 15	D 22	D 29	J 5	J 12	J 19	J 26	F 2	F 9	F 16	F 23	M 2	M 9	M 16	
43	P G & E Transformer Installation	5d	10/14/96	10/18/96																	
44	Electrical Panel Board Installation	5d	10/14/96	10/18/96																	
45	Electrical Service Transfer	0d	10/18/96	10/18/96																	
46	Community Notification	0d	12/24/96	12/24/96																	
47	Complete Wall Removal Plans	9d	12/9/96	12/19/96																	
48	Agency Approvals	3d	12/20/96	12/24/96																	
49	Wall Removal	10d	12/26/96	1/6/97																	
50	Verification Sampling	5d	1/10/97	1/16/97																	
51	South Retaining Wall Construction	10d	1/29/97	2/11/97																	
52	Revise Site Plan	7d	12/16/96	12/24/96																	
53	City Approval Revised Permit	7d	12/26/96	1/3/97																	
54	Reprice	6d	12/23/96	12/31/96																	
55	Complete Recycling Plan	8d	12/16/96	12/26/96																	
56	Permit Issued	0d	12/31/96	12/31/96																	
57	Mobilize	3d	1/7/97	1/9/97																	
58	Demo Structure	12d	1/10/97	1/27/97																	
59	Demo South Structure	4d	1/23/97	1/28/97																	
60	Sawcut & Excavate Trenches	5d	1/29/97	2/4/97																	
61	Slab Preparation / Conduit Runs / Install D.I. Run	10d	1/29/97	2/11/97																	
62	A.C. Paving / Patch Concrete / Rework Sidewalk	9d	2/12/97	2/25/97																	
63	Lighting / Security	5d	2/26/97	3/4/97																	
64	Fencing / Landscape / Stripe Lot	5d	2/26/97	3/4/97																	
65	Substantial Completion	0d	3/4/97	3/4/97																	

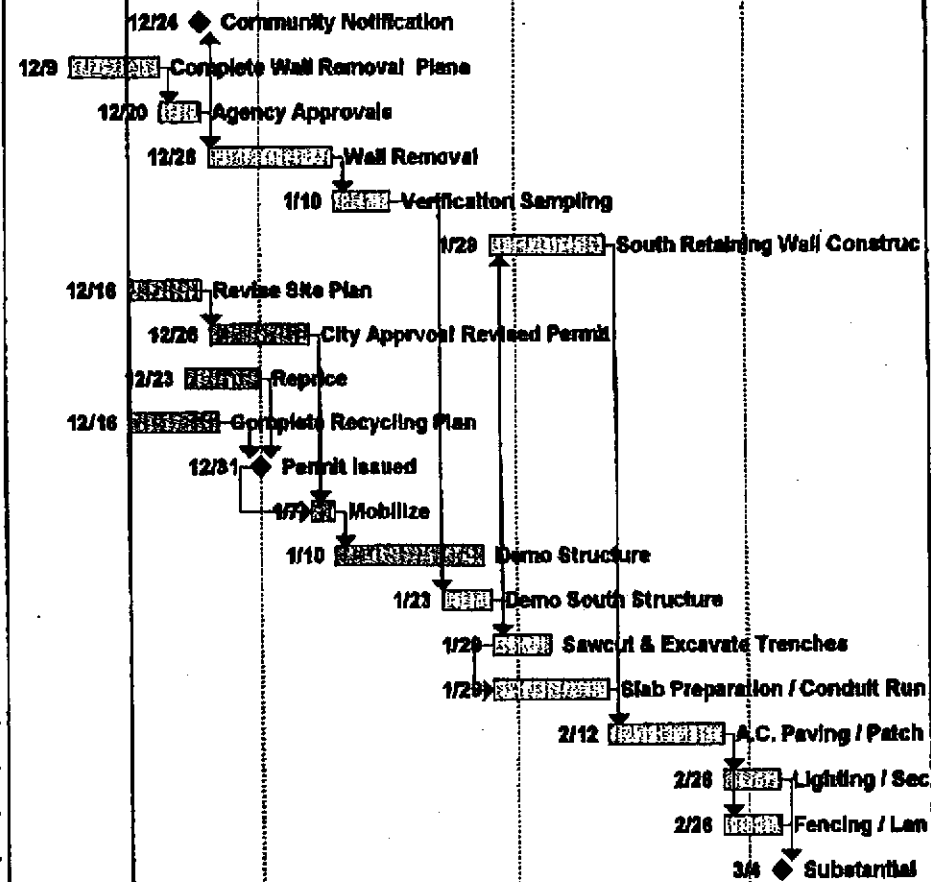


Table 3
Results of Trend Analysis for Groundwater Data from Downgradient
Monitoring Wells MW-1 and MW-2 at the Former Rifkin Property (1)

Chiron Corporation

Statistical Parameters	Well MW-1			Well MW-2		
	TPH-g	TPH-d	Benzene	TPH-g	TPH-d	Benzene
n (2)	7	7	8	7	7	8
S (3)	-11	-3	11	-17	-4	12
Mann-Kendall Probability (4)	NA (5)	NA	0.114	NA	NA	0.089
Significance Level (6)	0.05	0.05	0.05	0.05	0.05	0.05
Result (7)	No upward trend	No upward trend	No upward trend	No upward trend	No upward trend	No upward trend

Notes:

- (1) The data from Table 3 were evaluated using the Mann-Kendall test. A value equal to the detection limit was used for concentrations reported to be less than laboratory method detection limits.
 A statistical evaluation of ethylbenzene, toluene, and xylene concentrations was not performed because concentrations of these chemicals were less than U.S. and California Maximum Contaminant Levels.
- (2) "n" is the number of sampling events.
- (3) "S" is the Mann-Kendall statistic calculated using the methodology described in Gilbert (1987).
- (4) Mann-Kendall probability is related to the values of S and n, and is obtained from Table A21 in Hollander and Wolfe (1973).
- (5) A negative S value indicates that the data are clearly not increasing and a Mann-Kendall probability is not applicable ("NA").
- (6) A significance level of 0.05 is recommended by U.S. EPA (1994).
- (7) A negative S value or a Mann-Kendall probability greater than the significance level indicates that there is no upward trend in the data (Gilbert, 1987).

Abbreviations:

TPH-g = Total petroleum hydrocarbons quantified as gasoline
 TPH-d = Total petroleum hydrocarbons quantified as diesel

Table 4
Comparison of Maximum Concentrations of Petroleum Hydrocarbons and Related Chemicals Detected in Groundwater
with RBCA Risk-Based Screening Levels at the Former Rifkin Property

Chiron Corporation

Tank Description	Well, Boring, or Sample I.D. (1)	Sample Date (2)	Concentration in Groundwater (ug/L)						
			TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
1,500-Gallon Heating Oil Tank	OB-1	12/15/94	NA	NA	<0.8	93	1.9	10.4	NA
	MW-2	3/25/97	520	3,300	24	0.7	1.0	<2	NA
	CPT-4	7/16/93	590	1,200	9.6	<2	<2	<2	NA
1,000-Gallon Gasoline Tank and	OB-2	12/15/94	NA	NA	8.1	8.4	<0.4	1.2	NA
	MW-1	3/25/97	990	1,800	49	2.2	2.4	5.0	NA
500-Gallon Paint Thinner Tank	Pit-2*	1/6/94	<50	<50	<0.5	<0.5	<0.5	<0.5	<1,000
	MW-3	3/25/97	310	<50	<0.5	<0.5	<0.5	<2	NA
	RP-1	3/25/97	680	1,200	<0.5	<0.5	<0.5	<2	NA
	SB-4	4/5/94	<5,000	4,200	<5	<5	<5	<10	NA
	RP-2	3/25/97	<50	200	<0.5	<0.5	<0.5	<2	NA
RBCA Tier 1 Risk-Based Screening Levels (3)									
- Volatilization from Groundwater to Outdoor Air			- (4)	-	53,000	sat. (5)	sat.	sat.	-
- Vapor Intrusion from Groundwater to Indoor Air			-	-	210	85,000	sat.	sat.	-
- Ingestion of Groundwater			-	-	n.a. (6)	n.a.	n.a.	n.a.	-

Abbreviations:

NA = Not analyzed

TPH-g = Total petroleum hydrocarbons quantified as gasoline

TPH-d = Total petroleum hydrocarbons quantified as diesel

Notes:

- (1) Monitoring well location or grab groundwater sample from soil boring located less than 100 feet downgradient of former tank location; or grab groundwater sample from tank excavation as indicated by asterisk ("*").
- (2) Date of most recent sampling from monitoring well or date of collection of grab groundwater sample.
- (3) Risk-Based Screening Levels ("RBSLs") for groundwater in commercial/industrial areas corresponding to 10^{-5} lifetime incremental carcinogenic risk or hazard quotient of 1 for each chemical (ASTM, 1995). RBSL for benzene was adjusted to account for California carcinogenic slope factor for this chemical. Values shown in bold type exceed an RBSL for that chemical.

DRAFT

Table 4
**Comparison of Maximum Concentrations of Petroleum Hydrocarbons and Related Chemicals Detected in Groundwater
with RBCA Risk-Based Screening Levels at the Former Rifkin Property**

Chiron Corporation

- (4) Hyphen ("-") indicates that no value is provided for this chemical.
- (5) "sat." indicates that risk level is not exceeded for all possible dissolved concentrations of this chemical (i.e., risk-based value exceeds saturation concentration).
- (6) "n.a." indicates that exposure pathway is not applicable for detected chemicals at the former tank locations. Groundwater at the site is not used for drinking water.

Table 2
Comparison of Maximum Concentrations of Petroleum Hydrocarbons and Related Chemicals Remaining in Soil
with RBCA Risk-Based Screening Levels at the Former Rifkin Property

Chiron Corporation

Tank Description	Number of Verification Soil Samples	Maximum Concentration Detected in Soil (mg/kg)						
		TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
1,500-Gallon Heating Oil Tank	15	33	15,700	1.2	2.6	1.4	3.2	159
1,000-Gallon Gasoline Tank	17	616	242	5.4 (1)	11	23	158	587
500-Gallon Paint Thinner Tank	14	2,630	123	0.30	<0.1	2.7	5.8	13
RBCA Tier 1 Risk-Based Screening Levels (2)								
- Volatilization from Soil to Outdoor Air		- (3)	-	1.3	n.e. (4)	n.e.	n.e.	-
- Ingestion, Dermal Exposure, and Inhalation from Surficial Soil		-	-	29	18,700	11,500	208,000	-
- Volatilization from Soil to Indoor Air		-	-	n.a. (5)	n.a.	n.a.	n.a.	n.a.
- Leaching from Soil to Groundwater for Drinking Water		-	-	n.a. (6)	n.a.	n.a.	n.a.	n.a.

Abbreviations:

TPH-g = Total petroleum hydrocarbons quantified as gasoline

TPH-d = Total petroleum hydrocarbons quantified as diesel

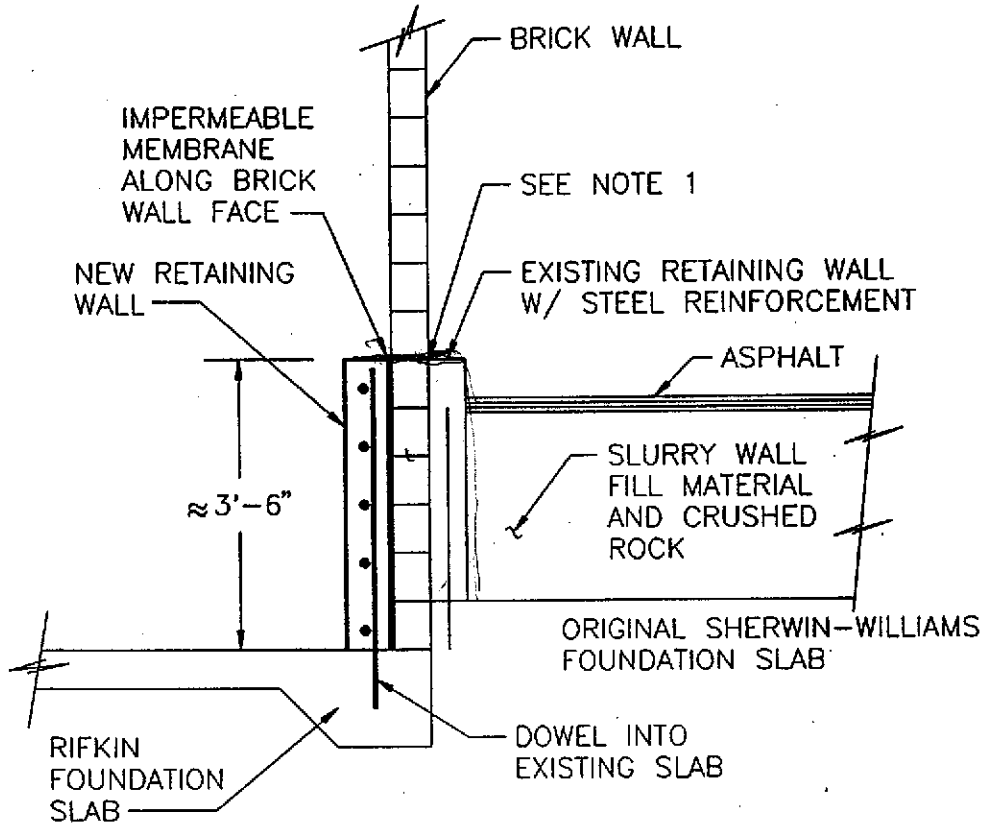
Notes:

- (1) The 95% upper confidence level for benzene concentration in soil near the former 1,000-gallon gasoline tank excavation is 0.51 mg/kg. This calculation was performed using natural log-transformed data.
- (2) Risk-Based Screening Levels ("RBSLs") for commercial/industrial soil corresponding to 10⁻⁵ lifetime incremental carcinogenic risk or hazard quotient of 1 for each chemical (ASTM, 1995). RBSL for benzene was adjusted to account for California carcinogenic slope factor for this chemical. Values shown in bold type exceed an RBSL for that chemical.
- (3) Hyphen ("-") indicates that no value is provided for this chemical.
- (4) "n.e." indicates that risk level is not exceeded for pure compound present at any concentration.
- (5) "n.a." indicates that exposure pathway is not applicable for detected chemicals at the former tank locations. Chemicals detected in soil are not located under or immediately adjacent to buildings.
- (6) This exposure pathway is not applicable because groundwater at the site is not used for drinking water.



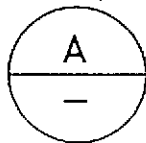
RIFKIN PROPERTY

SHERWIN-WILLIAMS



NOTES:

1. BUILDING WALL TO BE DEMOLISHED AT THE SAME HEIGHT AS THE RETAINING WALLS. AFTER DEMOLITION THE TOP OF WALLS WILL BE CAPPED AND A FENCE INSTALLED ON TOP OF WALL.



RETAINING WALL CONCEPTUAL DESIGN

N.T.S.

SHERWIN-WILLIAMS
Retaining Wall
Conceptual Design

Levine-Fricke-Recon

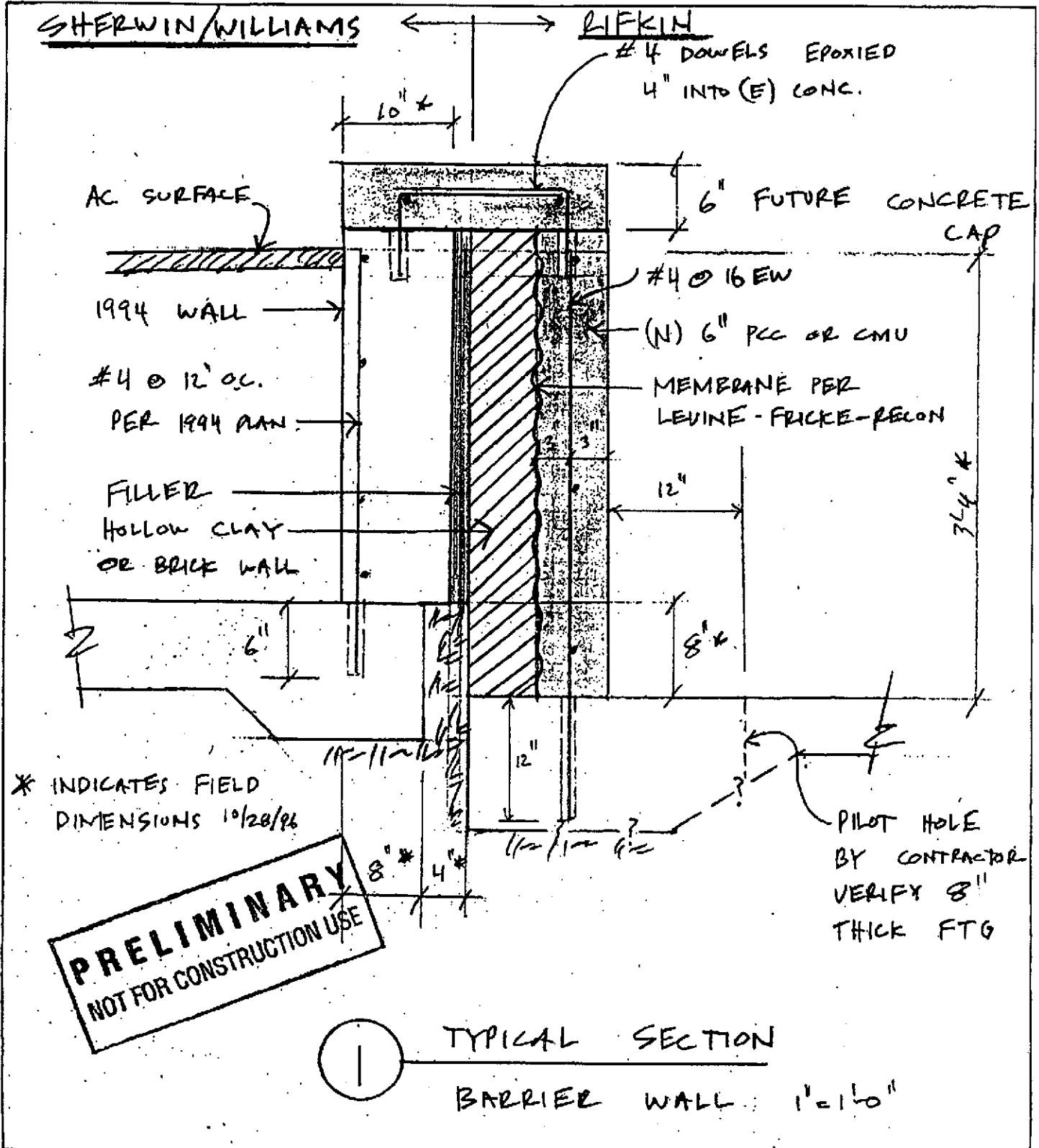
Project No. 3042

Figure 1



BAY ENGINEERS INC

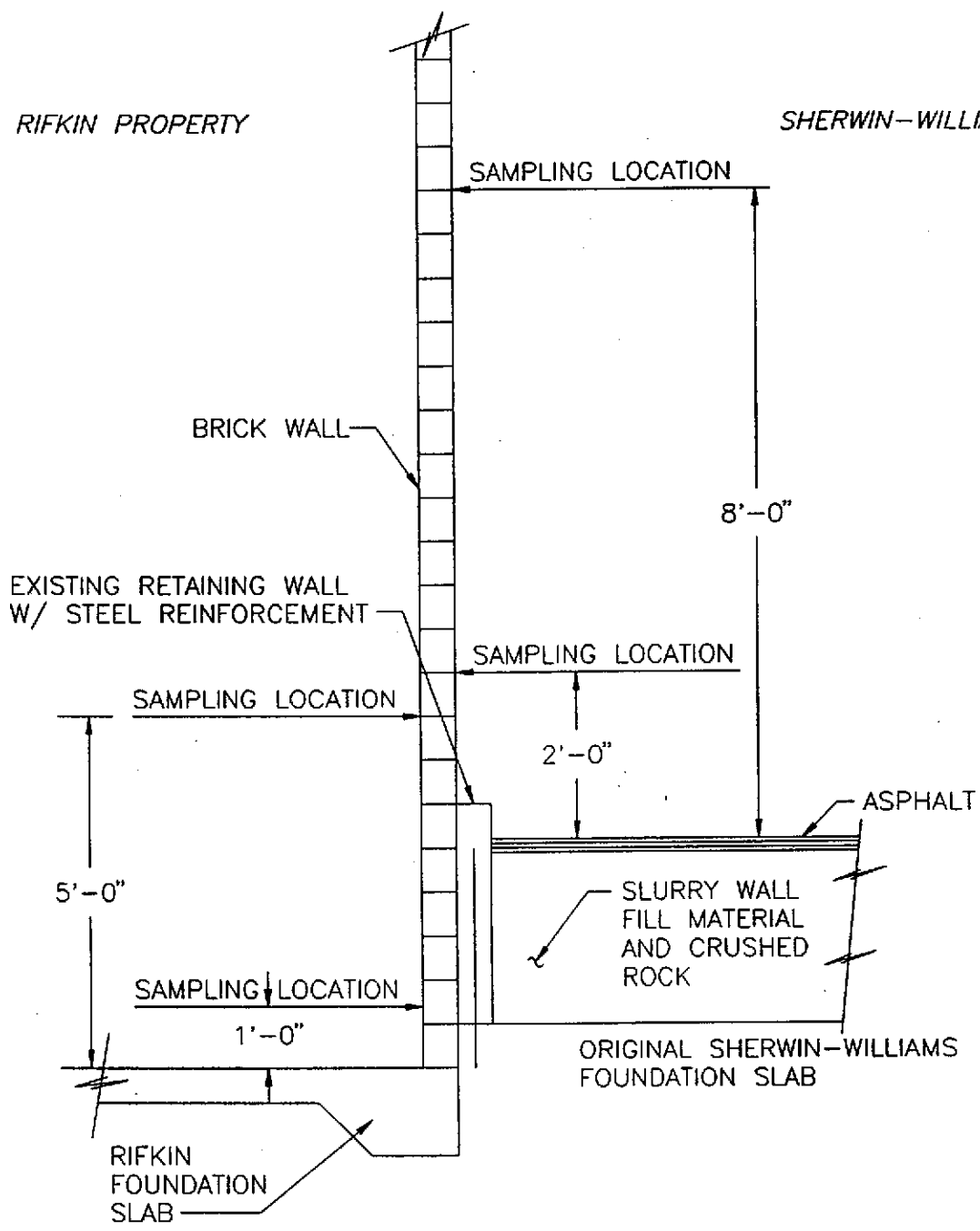
PROJECT SHERWIN WILLIAMS
SHEET NO. 2/2 FILE NO. _____
CALCULATED BY _____ DATE _____
CHECKED BY NB DATE 10/29/96





RIFKIN PROPERTY

SHERWIN-WILLIAMS



NOT TO SCALE

SHERWIN-WILLIAMS
Section View
Wall Sampling Locations

Levine-Fricke-Recon

Figure 2

Project No. 3042

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Table 1
Summary of Maximum Concentrations of Petroleum Hydrocarbons and Related Chemicals Remaining in Soil
After Tank Excavations at the Former Rifkin Property

Chiron Corporation

Tank Description	Tank Removal Date	Excavation Completion Date	Excavation Depth (feet bgs)	Number of Verification Soil Samples	Maximum Concentration Detected in Soil (mg/kg)						
					TPH-g	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
1,500-Gallon Heating Oil Tank	11/24/93	1/10/94	12	15	33	15,700	1.2	2.6	1.4	3.2	159
1,000-Gallon Gasoline Tank	7/8/88	1/27/94	12	17	616	242	5.4 (1)	11	23	158	587
550-Gallon Gasoline Tank	9/30/88	9/30/88	12	6	41	<1	<0.1	<0.1	0.20	1.0	28
500-Gallon Paint Thinner Tank	11/24/93	1/6/94	12	14	2,630	123	0.30	<0.1	2.7	5.8	13
1,500-Gallon Diesel Tank	11/24/93	11/24/93	8.5	5	<1	<1	<0.1	<0.1	<0.1	<0.1	NA
U.S. EPA Preliminary Remediation Goal (2)					- (3)	-	1.4	880	230	320	1,000

Abbreviations:

bgs = Below ground surface

NA = Not analyzed

TPH-g = Total petroleum hydrocarbons quantified as gasoline

TPH-d = Total petroleum hydrocarbons quantified as diesel

Notes:

- (1) The 95% upper confidence level for benzene concentration in soil near the former 1,000-gallon gasoline tank excavation is 0.51 mg/kg. This calculation was performed using natural log-transformed data.
- (2) U.S. EPA Region IX Preliminary Remediation Goals ("PRGs") for industrial soil (U.S. EPA, 1 August 1996).
Values shown in bold type exceed applicable PRG for that chemical.
- (3) Hyphen ("-") indicates that no value is available.

HORTON STREET

RIFKIN PROPERTY

Brick Wall

160'

120'

80'

40'

Sampling Locations Along Interior and Exterior Faces of Brick Wall

EX-3

SHOP

BOILER HOUSE

WAREHOUSE

WAREHOUSE AND OFFICE

TRI-BIO BIOLOGICAL TREATMENT SYSTEM

WAREHOUSE

SHERWIN-WILLIAMS

FACTORY

FACTORY

ANDCO ELECTROCHEMICAL TREATMENT SYSTEM

WAREHOUSE OFFICE

WAREHOUSE

SOIL-BENTONITE SLURRY CUT-OFF WALL

EXTRACTION PIPING

EX-1

EX-2

NPDES Storm Sewer Outfall

PAVED PARKING AREA

EDGE OF PAVEMENT AND EASEMENT LINE

SHERWIN AVE

TEMESCAL CREEK



EXPLANATION

- Property boundary
- - - - - Underground extraction piping
- Aboveground extraction piping
- ⊙ Containment area ground-water extraction well location

0 40 80 FEET

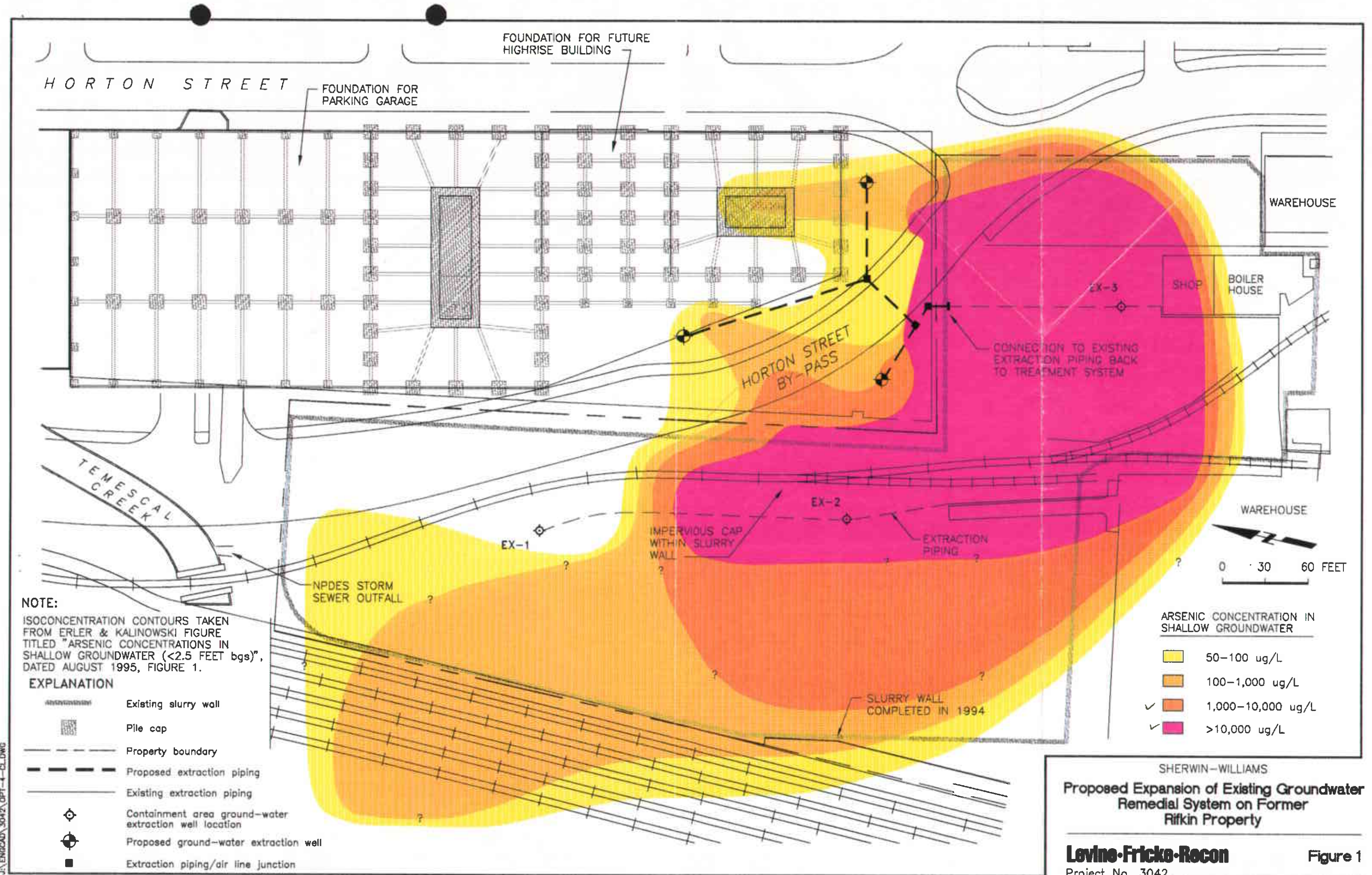
SHERWIN-WILLIAMS COMPANY
Plan View
Wall Sampling Locations

Levine-Fricke-Recon

Project No. 3042

Figure 1

3042B007.DWG 110196DAT 3042V001.DWG 110196DAT



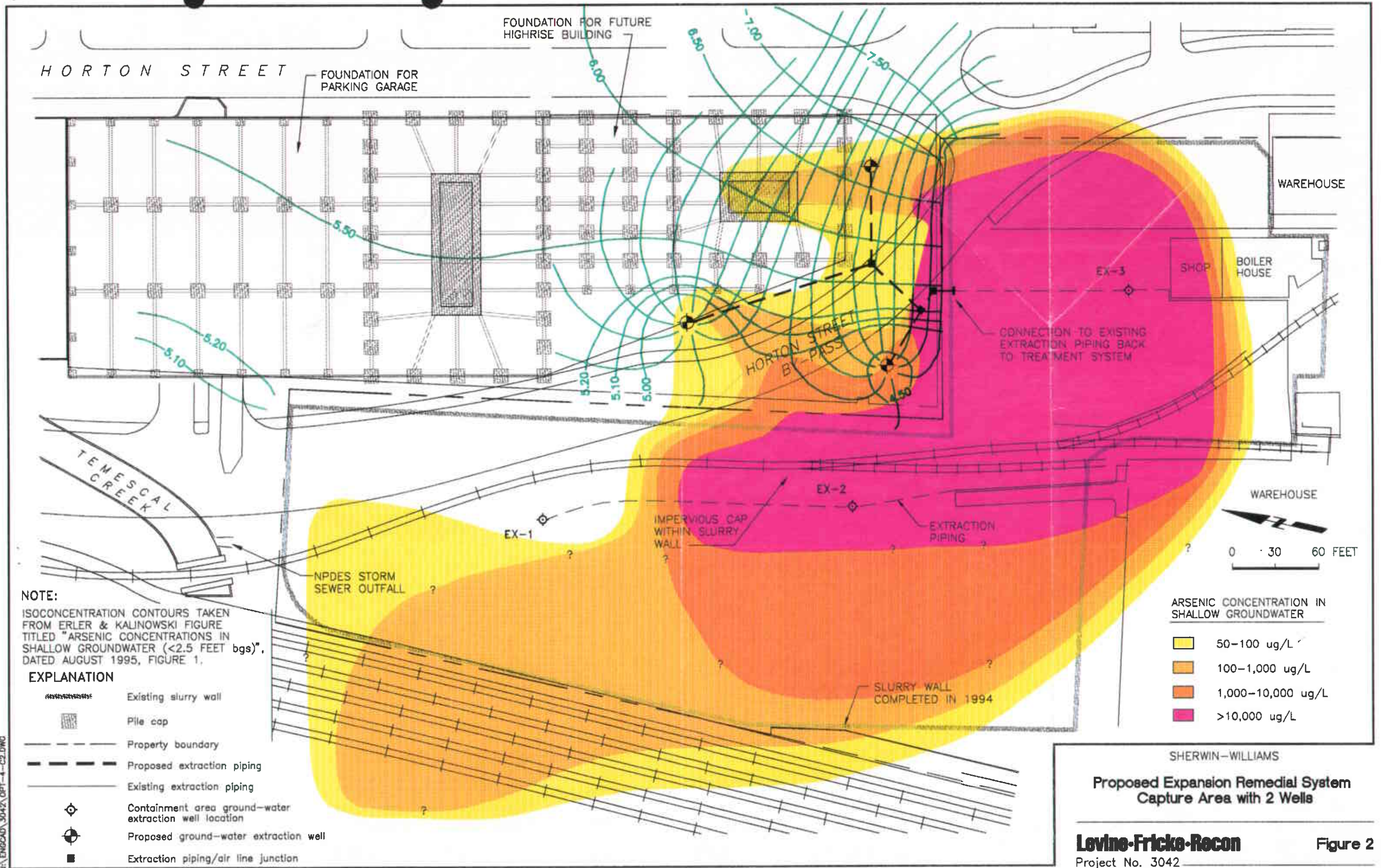
SHERWIN-WILLIAMS
Proposed Expansion of Existing Groundwater Remedial System on Former Rifkin Property

Levine-Fricke-Recon

Project No. 3042

Figure 1

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NOTE:
 ISOCONCENTRATION CONTOURS TAKEN FROM ERLER & KALINOWSKI FIGURE TITLED "ARSENIC CONCENTRATIONS IN SHALLOW GROUNDWATER (<2.5 FEET bgs)", DATED AUGUST 1995, FIGURE 1,

EXPLANATION

- Existing slurry wall
- Pile cap
- Property boundary
- Proposed extraction piping
- Existing extraction piping
- Containment area ground-water extraction well location
- Proposed ground-water extraction well
- Extraction piping/air line junction

- ARSENIC CONCENTRATION IN SHALLOW GROUNDWATER**
- 50-100 ug/L
 - 100-1,000 ug/L
 - 1,000-10,000 ug/L
 - >10,000 ug/L

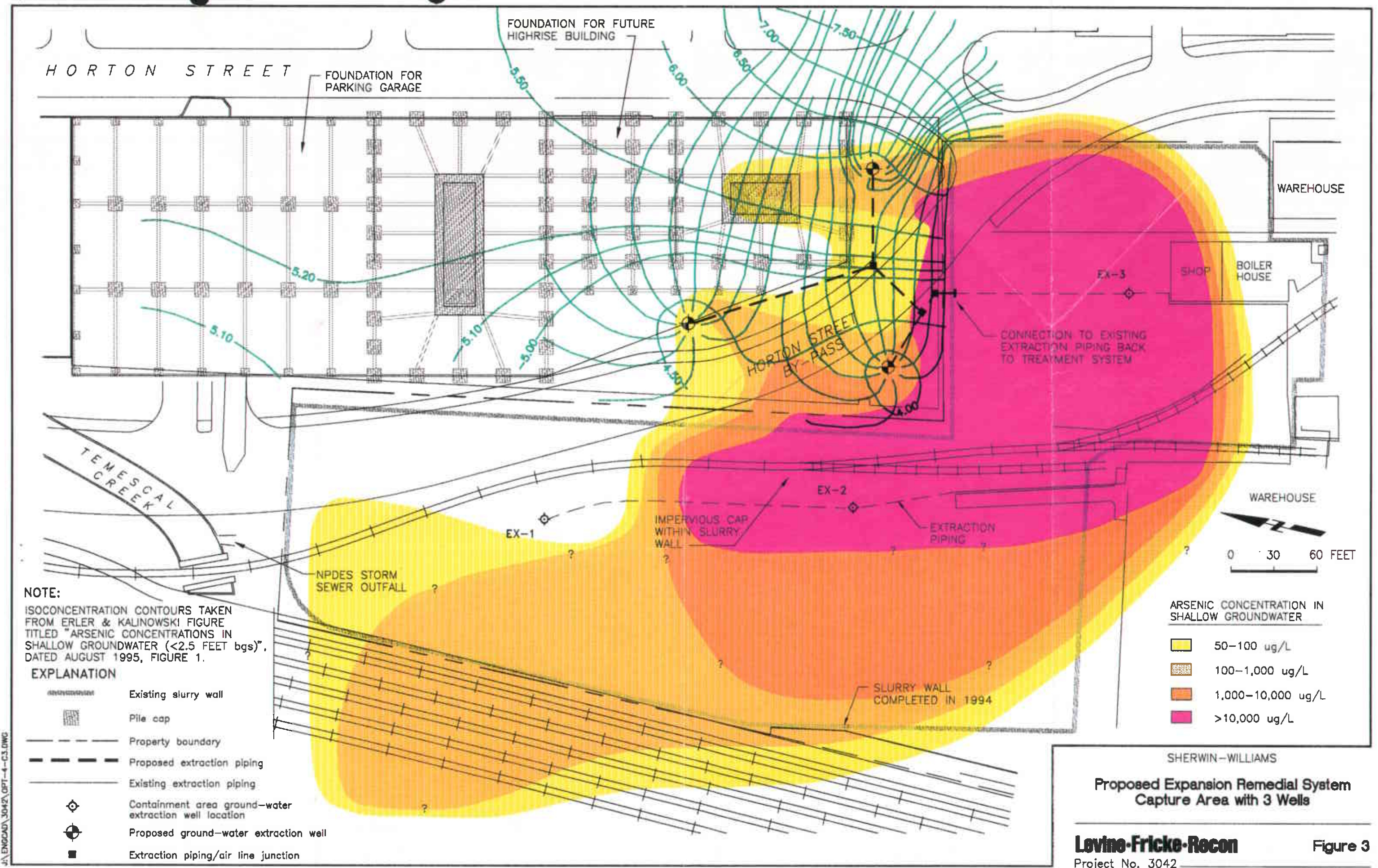
SHERWIN-WILLIAMS

**Proposed Expansion Remedial System
 Capture Area with 2 Wells**

Levine-Fricke-Recon **Figure 2**

Project No. 3042

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NOTE:
 ISOCONCENTRATION CONTOURS TAKEN FROM ERLER & KALINOWSKI FIGURE TITLED "ARSENIC CONCENTRATIONS IN SHALLOW GROUNDWATER (<2.5 FEET bgs)", DATED AUGUST 1995, FIGURE 1.

EXPLANATION

- Existing slurry wall
- Pile cap
- Property boundary
- Proposed extraction piping
- Existing extraction piping
- Containment area ground-water extraction well location
- Proposed ground-water extraction well
- Extraction piping/air line junction

ARSENIC CONCENTRATION IN SHALLOW GROUNDWATER

	50-100 ug/L
	100-1,000 ug/L
	1,000-10,000 ug/L
	>10,000 ug/L

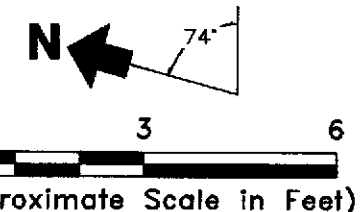
SHERWIN-WILLIAMS

**Proposed Expansion Remedial System
 Capture Area with 3 Wells**

Levine-Fricke-Recon **Figure 3**

Project No. 3042

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LEGEND

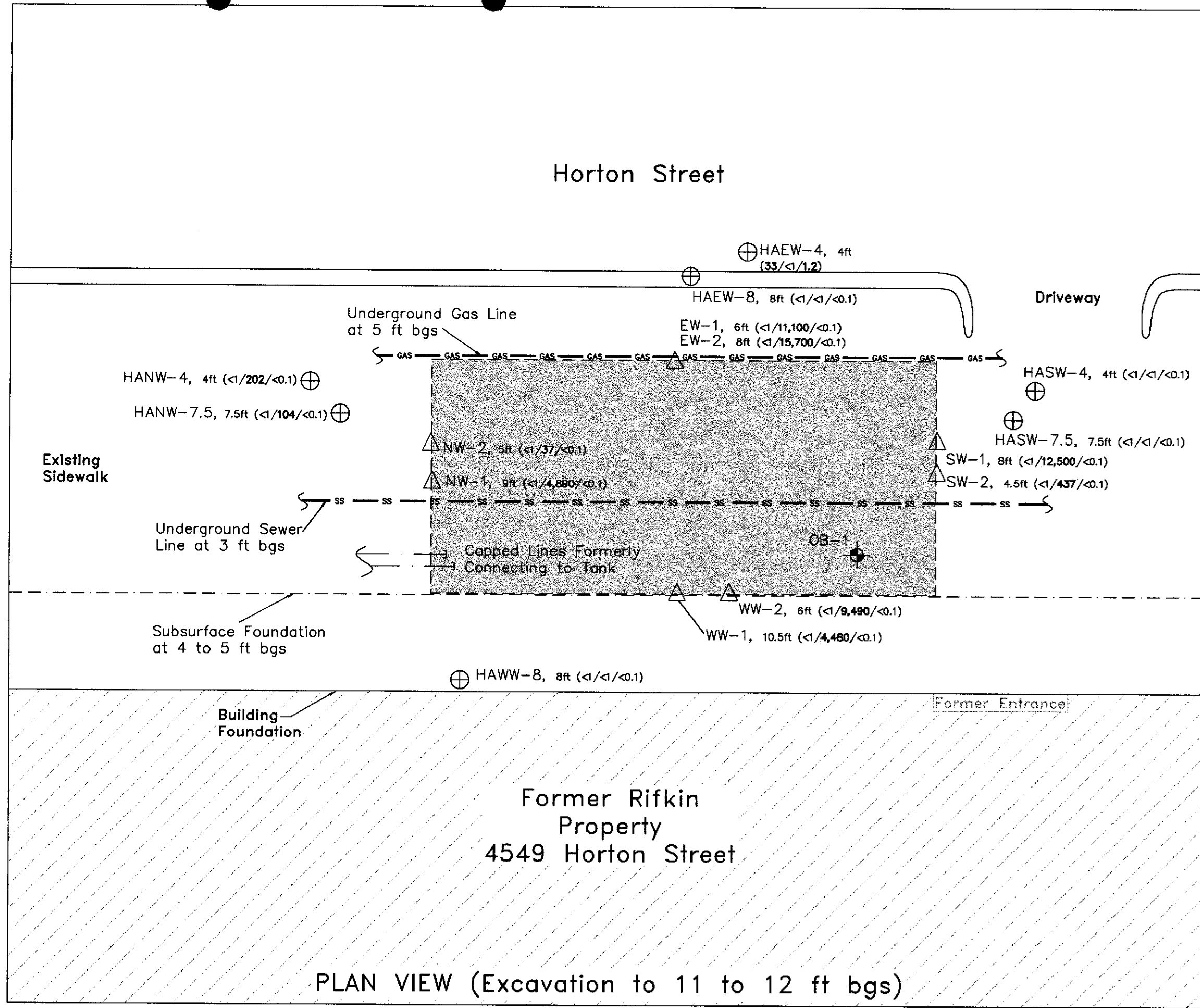
- Abandoned Groundwater Monitoring Well
 - Excavation Sidewall Soil Sample Location
 - Excavation Bottom Soil Sample Location
 - Hand Augered Soil Sample Location
 - Excavation Limits
- 3-10, 8ft (<1/<1/<0.1)
- Concentration (mg/kg)
(TPH-g/TPH-d/Benzene)
 - Sample Depth (bgs)
 - Sample I.D.
- ** Analyte exceeds US EPA PRG
437 Concentration Above Detection Limits

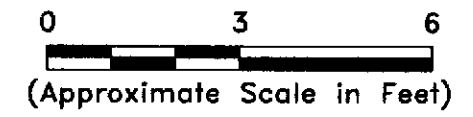
Notes:

1. All locations are approximate.
2. TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
TPH-d = Total Petroleum Hydrocarbons quantified as diesel
bgs = Below ground surface
ND = Not Detected
3. Soil samples also analyzed for toluene, ethylbenzene, xylenes and total lead. Concentrations of these chemicals were less than US EPA Preliminary Remediation Goals ("PRGs")(1996).
4. Figure based on TMC, 1 April 1994.

Erlar & Kalinowski, Inc.

1,500-Gallon Heating Oil Tank Excavation
Former Rifkin Property
Chiron
Emeryville, CA
July 1997
EKI 970001.81
Figure 2





LEGEND

- Abandoned Groundwater Monitoring Well
- Excavation Sidewall Soil Sample Location
- Excavation Bottom Soil Sample Location
- Hand Augered Soil Sample Location
- Excavation Limits

3-10, 8ft (<1/<1/<0.1)
 Concentration (mg/kg)
 (TPH-g/TPH-d/Benzene)
 Sample Depth (bgs)
 Sample I.D.

** Analyte exceeds US EPA PRG
 242 Concentration Above Detection Limits

Notes:

1. All locations are approximate.
2. TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
 TPH-d = Total Petroleum Hydrocarbons quantified as diesel
 bgs = Below ground surface
 ND = Not Detected
 NA = Not Analyzed
3. Soil samples also analyzed for toluene, ethylbenzene, xylenes and total lead. Concentrations of these chemicals were less than US EPA Preliminary Remediation Goals ("PRGs")(1996).
4. Figure based on TMC, 25 April 1994.

Eler & Kalinowski, Inc.

1,000-Gallon Gasoline Tank Excavation
 Former Rifkin Property
 Chiron
 Emeryville, CA
 July 1997
 EKI 970001.81
Figure 3

Horton Street

Driveway

Underground Gas and Sewer Lines at 3 ft bgs

Existing Sidewalk

Approximate Location of Former Dispenser

Building Foundation

Former Rifkin Property
 4533 Horton Street

PLAN VIEW (Excavation to 9 to 12 ft bgs)

⊕ 3-20, 5ft (<1/<1/<0.1)

⊕ 3-19, 5ft (<1/<1/<0.1)

3-18, 5ft (<1/<1/<0.1)

⊕ 3-12, 8ft (<1/<1/<0.1)

3-6, 5ft (128/<1/5.4**)

3-5, 5ft (<1/<1/<0.1)

3-14, 7ft (<1/<1/<0.1)

3-15, 8ft (<1/<1/<0.1)

MW-1, 15ft (NA/ND/ND)

□ S-2, 9ft (618/NA/0.35)

□ 3-11, 9ft (<1/242/<0.1)

S-1, 9.5ft (86/NA/<0.02)

3-9, 5ft (<1/<1/<0.1)

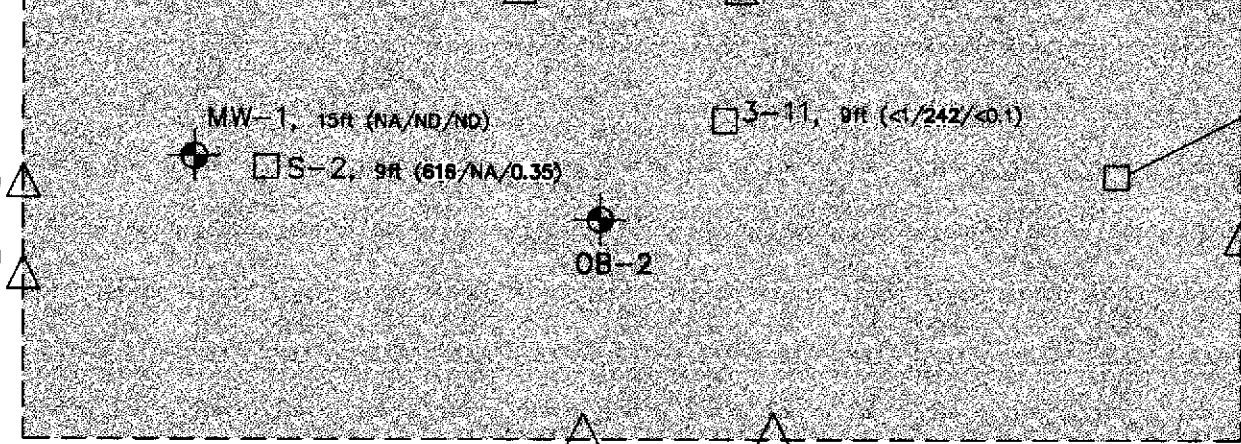
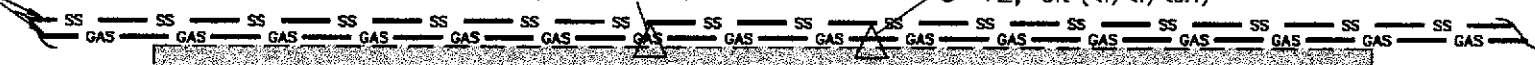
3-10, 8ft (<1/<1/<0.1)

OB-2

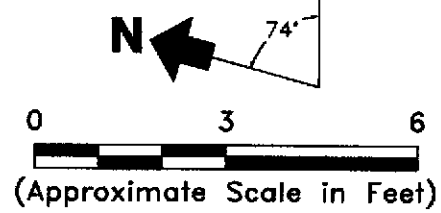
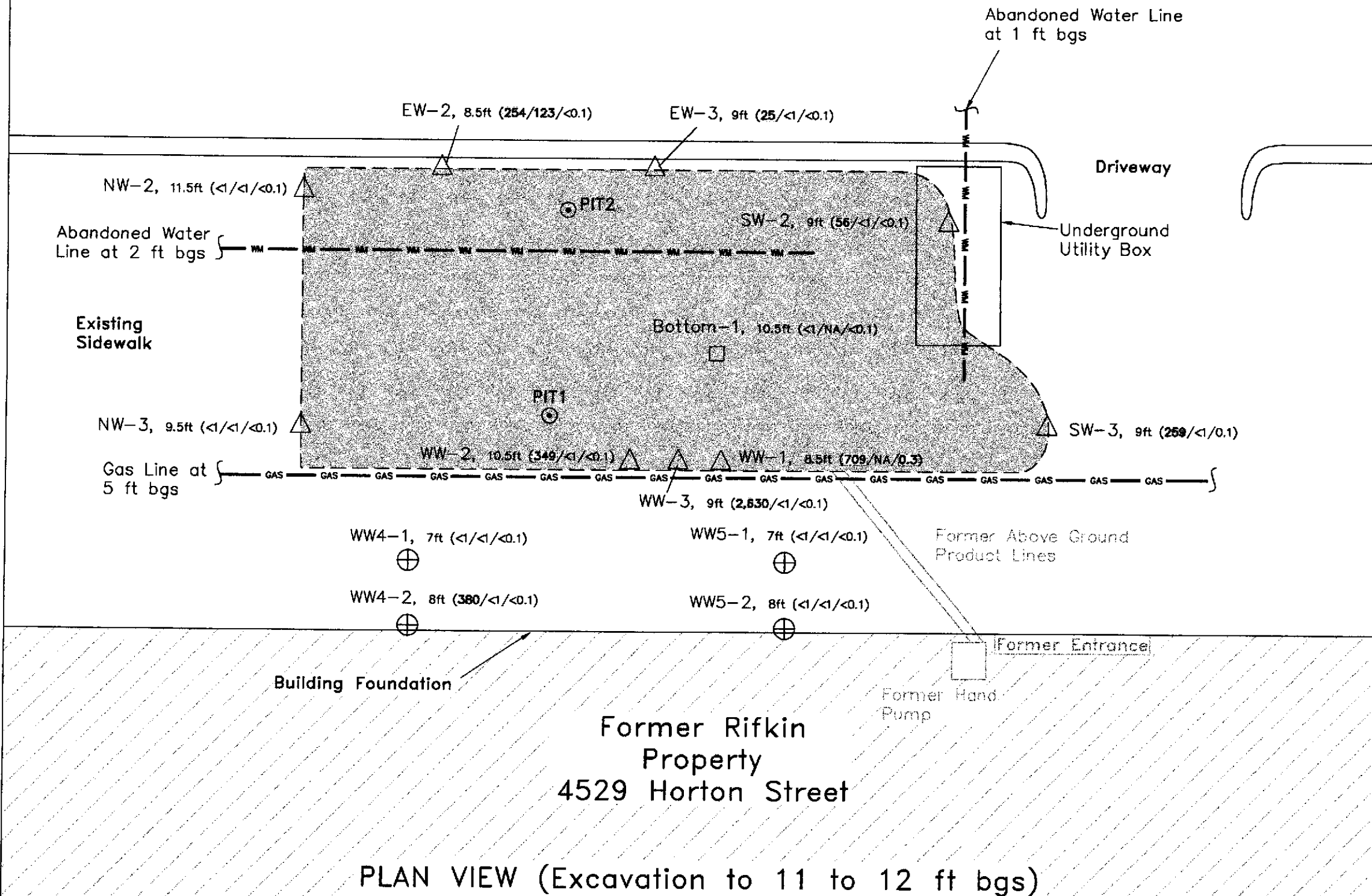
3-13, 8ft (<1/<1/<0.1)

3-7, 5ft (<1/<1/<0.1)

3-8, 2ft (<1/<1/<0.1)



Horton Street



LEGEND

- ⊙ Grab Groundwater Sample Location from Excavation
 - △ Excavation Sidewall Soil Sample Location
 - Excavation Bottom Soil Sample Location
 - ⊕ Hand Augered Soil Sample Location
 - ▨ Excavation Limits
- 3-10, 8ft (<1/<1/<0.1)
 Concentration (mg/kg)
 (TPH-g/TPH-d/Benzene)
 Sample Depth (bgs)
 Sample I.D.
- ** Analyte exceeds US EPA PRG
259 Concentration Above Detection Limits

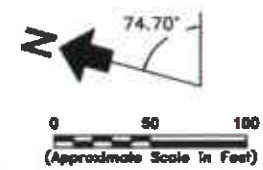
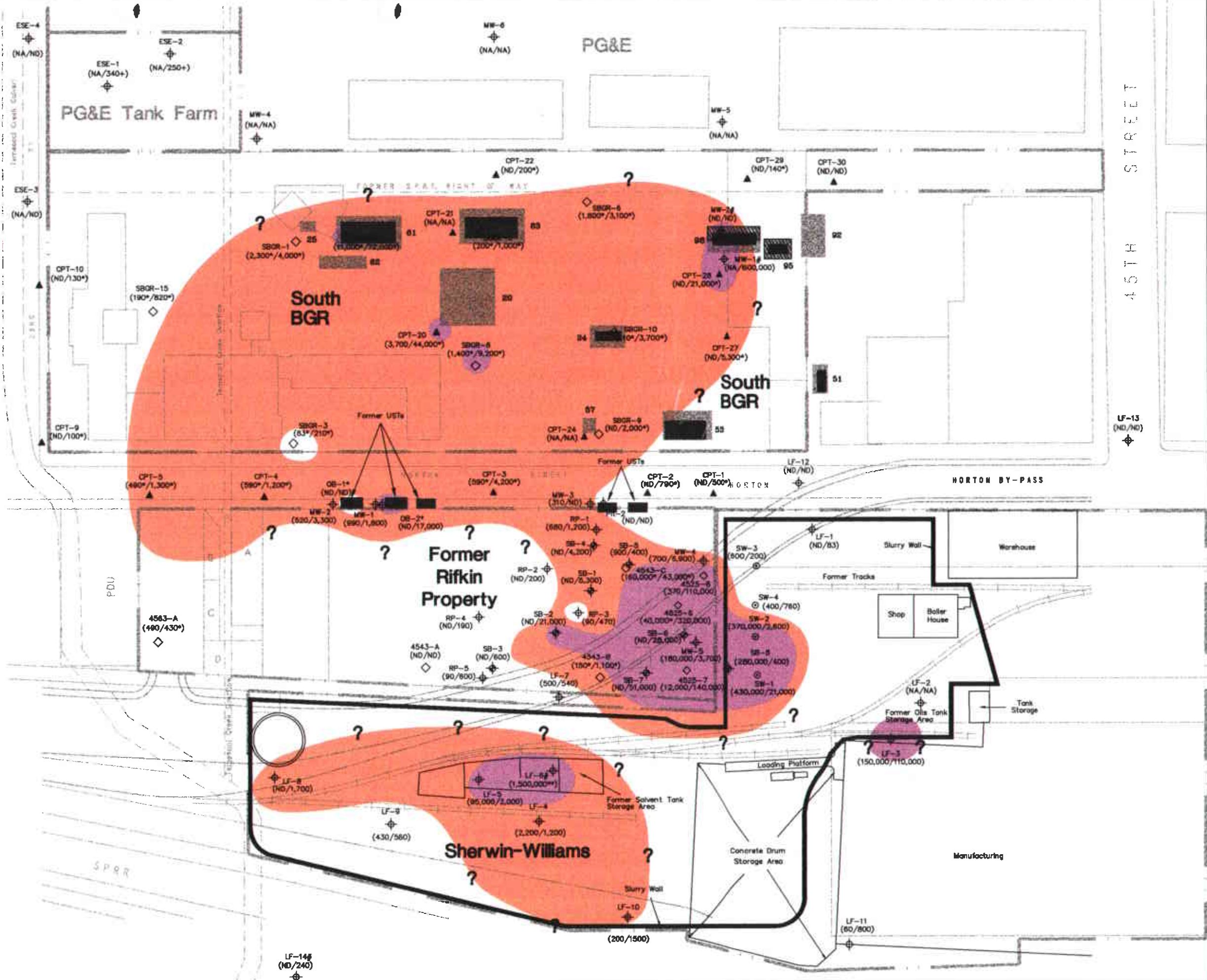
Notes:

1. All locations are approximate.
2. TPH-g = Total Petroleum Hydrocarbons quantified as gasoline
 TPH-d = Total Petroleum Hydrocarbons quantified as diesel
 bgs = Below ground surface
 ND = Not Detected
 NA = Not Analyzed
3. Soil samples also analyzed for toluene, ethylbenzene, xylenes and total lead. Concentrations of these chemicals were less than US EPA Preliminary Remediation Goals ("PRGs")(1996).
4. Figure based on TMC, 1 April 1994.

Erlar & Kalinowski, Inc.

500-Gallon Paint Thinner Tank Excavation
 Former Rifkin Property
 Chiron
 Emeryville, CA
 July 1997
 EKI 970001.81
Figure 4

PLAN VIEW (Excavation to 11 to 12 ft bgs)



- LEGEND**
- ⊕ Existing Monitoring Well Location
 - ◇ Grab Groundwater Location by EXI
 - ▲ CPT/Hydropunch Location by EXI
 - Potential Tank Location
 - Potential Source Area Location
 - ▨ Area of Excavation
 - ⊕ Grab Groundwater Location by Levine-Fricke
 - ⊕ Grab Groundwater Location by TMC
 - # Well Abandoned
 - (ND) Not Detected
 - (NA) Not Analyzed
 - * Non-Diesel or Non-Gasoline Hydrocarbon
 - ** Volatile or Extractable Hydrocarbon Not Specified
 - + Quantified as Dielectric Oil
 - (800/200) (TPH gasoline/TPH diesel) Total Petroleum Hydrocarbons (TPH) Concentrations in ug/L
 - Orange box: 1,000-10,000 ug/L
 - Purple box: >10,000 ug/L

- Potential Source Area and Tank Locations Identified on Shell Development Company Property Map (24 May 1982)**
- 20 Chemical Products Bldg
 - 24 Fuel Tank (Abandoned)
 - 26 Chemical Processing
 - 51 Boilers Fuel Tank (15,000 gal.)
 - 55 Tank Farm No. 4
 - 57 Waste Hydrocarbon Disposal Unit
 - 61 Tank Farm No. 1
 - 63 Pump Shelter Tank Farm No. 1
 - 65 Tank Farm No. 2
 - 66 Solvent Storage Bldg.
 - 96 Tank Farm No. 5
 - Tanks Removed 9/87
 - 98 Tank Farm No. 3
 - Tanks Removed 7/87

- Notes:**
1. All locations are approximate.
 2. Data from wells MW-4, MW-5, and MW-6 on PG&E are from 1984. Data from MW-4 and MW-5 on Rifkin collected by Levine-Fricke-Recon in 1996. Data from MW-1, MW-2, MW-3, and RP-1 through RP-5 collected by Levine-Fricke-Recon on 25 March 1997. All other data are from 1990 through 1994.

Erler & Kalinowski, Inc.

SOUTH BGR, RIFKIN and SHERWIN-WILLIAMS PROPERTIES: Total Petroleum Hydrocarbon Concentrations in Shallow Groundwater (<25 feet bgs)
 Chiron
 Emeryville, CA
 July 1997
 EXI 970001.81
 Figure 5

Figure 6
 EKI 970001.81
 July 1997
 Emeryville, CA
 Chiron
 In Shallow Groundwater (<25 feet bgs)
 PROPERTIES: BTEX Concentration Detected
 SOUTH BGR, RIKIN, and SHERWIN-WILLIAMS

Erlor & Kallowski, Inc.

1. All locations are approximate.
 2. Data from wells MW-4, MW-5, and MW-5 on 1996. Data from MW-1, MW-2, MW-3, and RP-1 on Riskin collected by Levine-Fricke-Recon in 1994. Data from MW-4, MW-5, and MW-5 on Sherwin-Williams collected by Levine-Fricke-Recon on 25 March 1997. All other data are from 1990 through 1994.
 3. Concentrations shown indicate Total Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). Concentrations detected in groundwater.

Notes:

20 Chemical Products Bldg
 24 Fuel Tank (Abandoned)
 26 Chemical Processing
 01 Bokers Fuel Tank (15,000 gal.)
 03 Tank Form No. 4
 07 Waste Hydrocarbon Disposal Unit
 01 Tank Form No. 1
 02 Pump Shelter Tank Form No. 1
 03 Tank Form No. 2
 92 Solvent Storage Bldg
 95 Tank Form No. 5
 95 Tank Form No. 8/87
 96 Tank Form No. 3
 96 Tanks Removed 7/87

LEGEND
 (Approximate Scale in Feet)

North Arrow: 74.70°

0 50 100

- Existing Monitoring Well Location
- Grab Groundwater Location by Ekl
- CP1/Hydropunch Location by Ekl
- Potential Tank Location
- Potential Source Area Location
- Area of Excavation
- Grab Groundwater Location by Levine-Fricke
- Grab Groundwater Location by TMC
- Well Abandoned
- (11) Total BTEX Concentration Detected in Groundwater (ug/L)
- (ND) Not Detected
- (NA) Not Analyzed
- 10-100 ug/L
- 100-1,000 ug/L
- 1,000-10,000 ug/L
- >10,000 ug/L

Potential Source Area and Tank Locations Identified on Soil Development Company Property Map (24 May 1992)

