



**Meeting
Former Pacific Electric Motors
Site (R00000411)**

**Aspire Public Schools – LFR Inc.
Alameda County Department of
Environmental Health**

August 7, 2008

Meeting Agenda

- ▶ Summary of Investigation and Remedial Activities Completed at the Site
- ▶ Current Status of the Project
- ▶ Clean Up Levels
- ▶ Conceptual Remediation Plan

Previous Soil & Groundwater Investigations

- ▶ Several phases of soil & groundwater investigation by others and LFR
- ▶ First investigation was conducted in 1992

Site Conditions

- ▶ Soil Type - inter-bedded intervals of low permeability silt and clay with thinner intervals of sand and gravel
- ▶ Depth to Groundwater – approximately 5 to 6 feet below ground surface
- ▶ Groundwater Flow Direction – to the west - southwest

Chemicals of Concern

- ▶ TPH & BTEX
- ▶ Metals including arsenic and lead
- ▶ PCBs

Previous Remedial Activities

► Remedial Actions

- Removal of PCB-affected soil in 1992 and 1993 (~400 cubic yards)
- Removal of 2,000 gallon UST in 1995
- Removal of 1,500 cubic yards of TPH affected soil & 116,000 gallons of TPH affected groundwater - 1995
- Removal of 700 cubic yards of TPH affected soil & 65,000 gallons of groundwater – 2002
- Placed Oxygen Releasing Compound in the backfill of the excavation, soil borings and 8 monitoring wells - 2002

Proposed Clean-Up Goals



Table 4: Proposed Cleanup Goals for Compounds of Concern
 Residential Exposure
 Aspire Charter High School
 1009 66th Avenue
 Oakland, California

Compound of Concern	Proposed Cleanup Goal (mg/kg)
Gasoline	100
Diesel	500
Motor Oil	500
Benzo(a)Pyrene	0.05
Benzo(a)Anthracene	0.51
Benzo(k)Fluoranthene	0.51
Chrysene	0.51
Naphthalene	4.06
Benzene (soil)	4.96
Arsenic	7 ¹
Lead	255 ²
Chromium VI	17 ³
PCBs	0.13
Benzene (groundwater)	20 µg/l

Notes:

Proposed cleanup goals are based on 95% upper confidence levels except as noted below. VOCs based on direct contact to a hypothetical residential receptor. Vapor intrusion evaluation will be addressed with soil vapor data.

1. Proposed cleanup goal for arsenic represents estimated background.
2. Proposed cleanup goal for lead based on DTSC's school guidelines.
3. Proposed chromium VI clean-up goal based on Residential CHHS.

Clean Up Value =
 $(0.000001 / ((0.0000157 * \text{oralCSF}) + (0.0000371 * \text{dermalabsorption} * \text{oralCSF}) + (0.000000000149 * \text{inhalationCSF})))$

Table 1
Proposed Areas of Excavation
PCB - Affected Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California
DTSC Clean-Up Goal 0.13
(mg/kg)

Sample ID & Location	Date Sampled	PCB RL = 0.002-0.050 (mg/kg)
1A @ 0.5 PEA	Mar-05	ND
1A @ 5 PEA	Mar-05	0.203
1B @ 0.5 PEA	Mar-05	0.716
1B @ 5 PEA	Mar-05	ND
1C @ 0.5 PEA	Mar-05	21.34
1C @ 5 PEA	Mar-05	ND
2B3 @ 0.5 PEA	Mar-05	0.051
2B3 @ 5 PEA	Mar-05	ND
2C @ 0.5 PEA	Mar-05	0.428
2C @ 5 PEA	Mar-05	2.1
2C-N(10') 0.5'	Aug-05	0.19
2C-N(10') 5'	Aug-05	ND
2C-E(10') 0.5'	Aug-05	ND
2C-E(10') 5'	Aug-05	ND
2CW(10') 0.5-1.0	Dec-05	4.2
2CW(10') 4.5-5.0	Dec-05	3.2
2CS(10') 9.5-10.0	Jan-06	0.089
2C-W(20') 0.5'	Aug-05	8.1
2CW(20') 4.5-5.0	Dec-05	2.9
2CW(20') 9.5-10.0	Jan-06	6.2
3A @ 5 PEA	Mar-05	0.063
3B @ 0.5 PEA	Mar-05	0.987
3B @ 5 PEA	Mar-05	0.720
3B-N(10') 0.5'	Aug-05	ND
3B-N(10') 5'	Aug-05	ND
3B-S(10') 0.5'	Aug-05	ND
3B-S(10') 5'	Aug-05	ND
3B-E(10') 0.5'	Aug-05	0.340
3B-E(10') 5'	Aug-05	ND
3B-W(10') 0.5'	Aug-05	ND
3B-W(10') 5'	Aug-05	ND
3B-E(20') 0.5'	Aug-05	ND
4A @ 0.5 PEA	Mar-05	ND
4A @ 5 PEA	Mar-05	ND
4B @ 0.5 PEA	Mar-05	69.68
4B @ 5 PEA	Mar-05	0.108
4B-N(10') 0.5'	Aug-05	ND
4B-N(10') 5'	Aug-05	ND
4B-S(10') 0.5'	Aug-05	0.230
4B-S(10') 5'	Aug-05	ND

Table 1
Proposed Areas of Excavation
PCB - Affected Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California
DTSC Clean-Up Goal 0.13
(mg/kg)

Sample ID & Location	Date Sampled	PCB RL= 0.002-0.050 (mg/kg)
4B-E(10') 0.5'	Aug-05	0.840
4B-E(10') 4.5'-5.0'	Dec-05	<0.0097/ <0.019
4B-W(10') 0.5'	Aug-05	0.040
4B-W(10') 5'	Aug-05	ND
4B-S(20') 0.5'	Aug-05	0.002
4B-S(20') 3.5'	Aug-05	0.0022
4B-S(20') 4'	Aug-05	0.0002
4B-S(20') 5'	Aug-05	0.0002
4B-E(20') 0.5'	Aug-05	ND
4B-W(20') 0.5'	Aug-05	0.0001
6A @ 0.5 PEA	Mar-05	ND
6B @ 0.5 PEA	Mar-05	0.825
6C @ 0.5 PEA	Mar-05	1.51
7B @ 5 PEA	Mar-05	ND
7B-2 @ 3.5 PEA	Mar-05	0.087
7B-3 @ 5 PEA	Mar-05	ND
SB-48-0.5-1.0	Jan-06	<9.5/ <19
SB-48-4.5-5.0	Jan-06	1.1
SB-48-9.5-10.0	Jan-06	0.057
SB-49-0.5-1.0	Jan-06	15 q
SB-49-4.5-5.0	Jan-06	1.3
SB-49-5.0-5.5DUB	Jan-06	1.3
SB-49-9.5-10.0	Jan-06	0.190
SB-50-0.5-1.0	Jan-06	9
SB-50-4.5-5.0	Jan-06	1.4
SB-50-9.5-10.0	Jan-06	0.49

Notes:

mg/Kg - milligrams per kilogram
µg/Kg - micrograms per kilogram
NA - Not analyzed for constituent
ND - Not detected at the indicated reporting limit
PCB - Polychlorinated Biphenyls
PEA - Preliminary Environmental Assessment
RL - Reporting limit
TPH - Total Petroleum Hydrocarbons
-- = Analysis not requested
H = Heavier hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble standard
L = Lighter hydrocarbons contributed to the quantitation
J = Estimated concentration
q = draft result - ending instrument QC not yet analyzed

Table 2
Depth to Groundwater
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Standard Monitoring Wells		
Well ID	Date Measured	Depth to Groundwater (bgs)
MW-1	May-03	4 feet
MW-2	May-03	3.64 feet
MW-3	May-03	3.86 feet
MW-4	May-03	4.16 feet
Cluster Wells		
NW-1	December-05	1.26 feet shallow (2.2 feet intermed & deep)
NW-2	December-05	3.37 feet shallow(2.53 feet intermed-2.05 feet deep)
NW-3	December-05	1.20feet shallow (2.25 feet intermed-2.25 feet deep)

Table 3
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	TPH (gasoline range) C4-C12 RL = 0.1-10 (mg/kg)	TPH (diesel range) C22-C24 RL = 5 (mg/kg)	TPH (oil range) C23-C40 RL = 50 (mg/kg)
2A-2 @ 0.5 PEA	Mar-05	ND	ND	1,307
2A-2 @ 5 PEA	Mar-05	ND	ND	ND
2A-2N(20') 0.5'	Aug-05	ND	ND	1,110
2A-2N(20') 5'	Aug-05	ND	ND	ND
2A-2S(20') 0.5'	Aug-05	ND	ND	893
2A-2S(20') 5'	Aug-05	ND	ND	ND
2A-2W(20') 0.5'	Aug-05	ND	ND	1,212
2A-2W(20') 5'	Aug-05	ND	ND	ND
2B @ 0.5 PEA	Mar-05	ND	ND	1,560
2B @ 5 PEA	Mar-05	1.2	ND	847
2B @ 10 PEA	Mar-05	943.0	ND	ND
2B @ 15 PEA	Mar-05	544.0	ND	ND
2B @ 20 PEA	Mar-05	4.5	ND	ND
2B @ 24 PEA	Mar-05	12.0	ND	ND
2B-N(20') 0.5'	Aug-05	ND	ND	545
2B-N(20') 5'	Aug-05	0.6	ND	ND
2B-N(20') 7.5'	Aug-05	1,040.8	ND	ND
2B-N(20') 10'	Aug-05	877.4	ND	ND
2B-S(20') 0.5'	Aug-05	ND	ND	798
2B-S(20') 5'	Aug-05	ND	ND	ND
2B-W(20') 0.5'	Aug-05	ND	ND	7,415
2B-W(20') 5'	Aug-05	ND	ND	ND
2B-W(20') 7.5'	Aug-05	2.8	ND	ND
2B-W(20') 10'	Aug-05	926.6	ND	ND
2B-N(37') 0.5'	Aug-05	ND	ND	ND
2B-N(37') 5'	Aug-05	7.1	ND	ND
2B-N(37') 7.5'	Aug-05	2,019.0	ND	ND
2B-N(37') 10'	Aug-05	2,780.8	ND	ND
2B-N(37') 15'	Aug-05	7.5	ND	ND
2B2 @ 0.5 PEA	Mar-05	ND	ND	1,319
2B2 @ 3.5 PEA	Mar-05	ND	ND	1,467
2B2-N(20') 0.5'	Aug-05	0.3	ND	22,524
2B2-N(20') 5'	Aug-05	979.5	ND	446
2B2-N(20') 7.5'	Aug-05	2,507.4	ND	ND
2B2-N(20') 10'	Aug-05	907.1	ND	ND
2B2-S(20') 0.5'	Aug-05	ND	ND	1,139
2B2-S(20') 5'	Aug-05	ND	ND	ND
2B2-E(20') 0.5'	Aug-05	0.1	ND	1,386
2B2-E(20') 5'	Aug-05	ND	ND	ND

Table 3
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	TPH (gasoline range) C4-C12 RL = 0.1-10 (mg/kg)	TPH (diesel range) C22-C24 RL = 5 (mg/kg)	TPH (oil range) C23-C40 RL = 50 (mg/kg)
2B3 @ 0.5 PEA	Mar-05	ND		ND
2B3 @ 5 PEA	Mar-05	ND		614
2B3 @ 15 PEA	Mar-05	125.0		ND
2C @ 0.5 PEA	Mar-05	ND	ND	1,346
2C @ 5 PEA	Mar-05	ND	ND	491
2C-E(10') 0.5'	Aug-05	ND	45	ND
2C-E(10') 5'	Aug-05	ND	ND	ND
2C-E(10') 7.5'	Aug-05	ND	ND	ND
4B-S(20') 0.5'	Aug-05	ND	ND	64
4B-S(20') 3.5'	Aug-05	23.5	ND	2,679
4B-S(20') 4'	Aug-05	12.6	ND	890
4B-S(20') 5'	Aug-05	99.6	ND	2,499
4BS(20') 9.5-10.0'	Jan-06		79 H	17 LY
4BS(20') 14.5-15.0	Jan-06		1,200 H	160 LY
5C @ 0.5 PEA	Mar-05	ND	ND	ND
5C @ 5 PEA	Mar-05	ND	639	1,556
7B @ 5 PEA	Mar-05	1.8	ND	135
7B-2 @ 3.5 PEA	Mar-05	ND	ND	924
7B-3 @ 5 PEA	Mar-05	ND	ND	ND
SB-3-0.5-1.0	Dec-05		--	3,400
SB-3-4.5-5.0	Dec-05		3.2 Hyb	15 b
SB-6-4.5-5.0	Dec-05	12		
SB-6-9.5-10.0	Dec-05	450		
SB-6-14.5-15.0	Dec-05	180		
SB-7-5.0-5.25	Dec-05	<1.0		
SB-7-dup-5.25-5.55	Dec-05	<1.0		
SB-7-9.5-10.0	Dec-05	1,000		
SB-7-14.5-15.0	Dec-05	49		
SB-8-4.5-5.0	Dec-05	<1.0		
SB-8-9.5-10.0	Dec-05	210		
SB-8-14.5-15.0	Dec-05	2,300	--	
SB-8-19.5-20.0	Dec-05	<1.0		
SB-9-4.5-5.0	Dec-05	84		
SB-9-9.5-10.0	Dec-05	3,700		
SB-9-14.5-15.0	Dec-05	370		
SB-9-19.5-20.0	Dec-05	11		
SB-10-0.5-1.0	Dec-05		--	180
SB-10-4.5-5.0	Dec-05	55		
SB-10-9.5-10.0	Dec-05	3,200		
SB-10-14.5-15.0	Dec-05	2,300		
SB-10-19.5-20.0	Dec-05	1,500		
SB-11-5.0-5.5	Dec-05	54	--	70
SB-11-9.5-10.0	Dec-05	4,900		
SB-11-14.5-15.0	Dec-05	1,700		

Table 3
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	TPH (gasoline range) C4-C12 RL = 0.1-10 (mg/kg)	TPH (diesel range) C22-C24 RL = 5 (mg/kg)	TPH (oil range) C23-C40 RL = 50 (mg/kg)
SB-13-0.5-1.0	Dec-05		--	1,700
SB-13 4.5-5.0	Dec-05		2.4 Hyb	16 b
SB-14 0.5-1.0	Dec-05			1,800
SB-14 4.5-5.0	Dec-05		<1.0	<5.0
SB-17-0.5-1.0	Dec-05		--	590
SB-17-4.5-5.0	Dec-05	<0.19	<1.0	<5.0
SB-17 9.5-10.0	Dec-05	200		
SB-17dup-10.0-10.5	Dec-05	150		
SB-17 14.5-15.0	Dec-05	68		
SB-19-0.5-1.0	Dec-05		--	81
SB-19-4.5-5.0	Dec-05	<1.0		
SB-19-9.5-10.0	Dec-05	3,100		
SB-19-14.5-15.0	Dec-05	<1.0		
SB-20-4.5-5.0	Dec-05	<1.0		
SB-20dup-5.0-5.5	Dec-05	<1.0		
SB-20-9.5-10.0	Dec-05	600		
SB-20-14.5-15.0	Dec-05	<1.0		
SB-21-9.5-10.0	Dec-05	1,200		
SB-21-14.5-15.0	Dec-05	<1.0		
SB-24-0.5-1.0	Dec-05		--	80
SB-24-4.5-5.0	Dec-05	<0.17		
SB-24-9.5-10.0	Dec-05	590.0		
SB-24-14.5-15.0	Dec-05	0.82		
SB-25-0.5-1.0	Dec-05		--	1,800
SB-26-0.5-1.0	Dec-05		--	820
SB-26-4.5-5.0	Dec-05		9.9 Hyb	7.0 Lb
SB-27-0.5-1.0	Dec-05		--	3,100
SB-27-4.5-5.0	Dec-05		12 Hyb	60 b
SB-28-0.5-1.0	Dec-05		--	5,500
SB-29-0.5-1.0	Dec-05		--	2,300
SB-30-0.5-1.0	Dec-05		--	3,700
SB-30-4.5-5.0	Dec-05		33 Hyb	96 Lb
SB-32-4.5-5.0	Dec-05	140 H Y		
SB-32-9.5-10.0 (TEG)	Dec-05	31 H Y		
SB-32-9.5-10.0 (C&T)	Dec-05	31 H Y	160 H L	52 L
SB-34-4.5-5.0	Dec-05	250		
SB-34-9.5-10.0	Dec-05	210	--	<50
SB-34-14.5-15.0	Dec-05	27	--	<50
SB-39-4.5-5.0	Dec-05	21		
SB-39-9.5-10.0	Dec-05	1,400		
SB-39-14.5-15.0	Dec-05	8.8		

Table 3
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	TPH (gasoline range) C4-C12 RL=0.1-10 (mg/kg)	TPH (diesel range) C22-C24 RL=5 (mg/kg)	TPH (oil range) C23-C40 RL=50 (mg/kg)
SB-42-0.5-1.0	Dec-05		--	910
SB-42-4.5-5.0	Dec-05		--	78
SB-43-0.5-1.0	Dec-05		--	1,600
SB-44-0.5-1.0 (01/01/06)	Dec-05		170 Hyb	1200 b
SB-44-0.5-1.0 (12/22/06)	Dec-05		560 HY	3300 V
SB-44-4.5-5.0	Dec-05		27 Hyb	58 LJ

Notes:

mg/Kg - milligrams per kilogram

µg/Kg - micrograms per kilogram

NA - Not analyzed for constituent

ND - Not detected at the indicated reporting limit

PCB - Polychlorinated Biphenyls

PEA - Preliminary Environmental Assessment

RL - Reporting limit

TPH - Total Petroleum Hydrocarbons

-- = Analysis not requested

H = Heavier hydrocarbons contributed to the quantitation

Y = Sample exhibits chromatographic pattern which does not resemble standard

L = Lighter hydrocarbons contributed to the quantitation

J = Estimated concentration

q = draft result - ending instrument QC not yet analyzed

Table 4
SSI Analytical Results for Volatile and Semi-Volatile Organic Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	VOCs								SVOCs												
	Benzene RL = 2-200 µg/kg	Toluene RL = 2 µg/kg	Ethylbenzene RL = 2-200 µg/kg	Xylene RL = 2-200 µg/kg	MTBE RL = 2 µg/kg	Isopropylbenzene RL = 2 µg/kg	Chlorobenzene RL = 2 µg/kg	1,4-Dichlorobenzene RL = 2 µg/kg	Naphthalene RL = 250-2500 µg/kg	1-Methylnaphthalene RL = 250-2500 µg/kg	Acenaphthylene RL = 250-2500 µg/kg	Acenaphthene RL = 250-2500 µg/kg	Fluorene RL = 250-2500 µg/kg	Phenanthrene RL = 250-2500 µg/kg	Anthracene RL = 250-2500 µg/kg	Fluoranthene RL = 250-2500 µg/kg	Pyrene RL = 250-2500 µg/kg	Benzo(a)Anthracene RL = 0.25-2.5 mg/kg	Chrysene RL = 250-2500 µg/kg	Benzo(k)Fluoranthene RL = 0.25-2.5 mg/kg	Benzo(a)Pyrene RL = 0.25-2.5 mg/kg
1A @ 0.5 PEA								ND	ND	ND	ND	ND	924	ND	492	442	ND	ND	ND	ND	ND
2A-2 @ 5 PEA	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,901	3,666	2.05	2,812	3.978	3.623	
2A-2N(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,944	2,360	0.885	1,058	2.729	3.556	
2A-2S(20') 0.5'	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	629	ND	507	0.711	0.865	
2A-2E(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,228	3,105	1.799	2,330	4.71	4.184	
2A-2W(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.647	4.534	
2B @ 0.5 PEA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	428 J	744	ND	404 J	3.982	3.160	
2B @ 5 PEA	139	13	31	101	19	ND	ND	ND	5,357	2,762	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B @ 10 PEA	7,622	37,378	14,044	52,141	206	ND	ND	ND													
2B-N(20') 0.5'	ND	ND	6	70	ND	ND	ND	ND	2,925	2,049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-N(20') 5'	80	2	ND	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-N(20') 7.5'	15,989	131,071	50,655	178,481	ND	5,630	ND	ND	13,279	11,123	338	58	274	ND	ND	ND	ND	ND	ND	ND	ND
2B-N(20') 10'	21,332	124,917	36,934	131,524	ND	3,644	ND	ND	3,699	4,290	ND	ND	ND	ND	3,106	5,758	1.074	1,185	4.3	6.163	
2B-S(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,784	21,940	30,450	16.162	20,080	35.126	48.390	
2B-W(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-W(20') 7.5'	ND	ND	22	4	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-W(20') 10'	6,897	36,448	20,217	75,610	ND	1,993	ND	ND	3,035	1,880	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-N(37') 5'	338	248	103	258	369	4	ND	ND													
2B-N(37') 7.5'	4,491	56,239	32,215	114,565	10,928	4,035	ND	ND	9,124	4,420	ND	ND	ND	2,967	2,713	ND	5,390	ND	ND	ND	ND
2B-N(37') 10'	21,876	114,263	40,696	137,722	5,422	4,495	ND	ND	10,175	6,886	ND	ND	ND	3,815	3,566	ND	7,161	ND	ND	ND	ND
2B-N(37') 15'	1,306	813	235	762	4,439	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B2 @ 0.5 PEA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	377 J	ND	4,485	9,455	2.5	3,902	15.919	9.525
2B2 @ 3.5 PEA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	666	ND	584	1,844	ND	602	ND	ND
2B2-N(20') 0.5'	2	7	ND	6	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	46,416	59,680	32.864	46,152	63.542	66.928	
2B2-N(20') 5'	7,682	49,063	19,817	73,228	3,357	1,851	ND	ND	2,430	1,556	ND	ND	ND	ND	550	798	ND	631	0.504	0.729	
2B2-N(20') 7.5'	22,361	130,173	51,813	175,229	12,897	5,550	ND	ND	5,656	4,008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B2-N(20') 10'	9,106	45,812	19,519	77,800	7,679	1,786	ND	ND	1,332	1,060	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B2-S(20') 0.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	597	2,734	6,890	2.122	3,458	7.05	8.341	
2B2-E(20') 0.5'	29	94	13	47	ND	ND	ND	ND	5,017	3,230	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2B-3 @ 5 PEA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	318 J	ND	ND	ND	ND	ND	ND	ND
2B-3 @ 15 PEA	ND	1,770	1,772	5,937	ND	ND	ND	ND													
4B-S(20') 5'	ND	ND	ND	ND	ND	ND	12	128													
5C @ 5 PEA	NA	NA	NA	NA	NA	ND	ND	ND	1,146	ND	4,702	ND	6,474	55,310	10,046	28,320	26,074	10.21	9,572	4.868	3.316
7B @ 5 PEA	143	19	41	122	19	ND	ND	ND	ND	ND	ND	ND	ND	382 J	ND	4,690	6,492	2.345	256 J	2.415	2.080
7B-2 @ 3.5 PEA								ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-3-0.5-1.0								<17,000	<3,400		<3,400	<3,400	<3,400	<3,400	<3,400	<3,400	<3.4	<3,400	<3.4	<3.4	<3.4
SB-3-4.5-5.0								<330	<67		<67	<67	<67	<67	<67	<67	<0.067	<67	<0.067	<0.067	<0.067
SB-4-0.5-1.0								<660	<130		<130	<130	<130	<130	<130	<130	<0.130	<130	<0.130	<0.130	<0.130

Table 4
SSI Analytical Results for Volatile and Semi-Volatile Organic Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	VOCs							SVOCs													
	Benzene RL = 2-200 µg/kg	Toluene RL = 2 µg/kg	Ethylbenzene RL = 2-200 µg/kg	Xylene RL = 2-200 µg/kg	MTBE RL = 2 µg/kg	Isopropylbenzene RL = 2 µg/kg	Chlorobenzene RL = 2 µg/kg	1,4-Dichlorobenzene RL = 2 µg/kg	Naphthalene RL = 250-2500 µg/kg	1-Methylnaphthalene RL = 250-2500 µg/kg	Acenaphthylene RL = 250-2500 µg/kg	Acenaphthene RL = 250-2500 µg/kg	Fluorene RL = 250-2500 µg/kg	Phenanthrene RL = 250-2500 µg/kg	Anthracene RL = 250-2500 µg/kg	Fluoranthene RL = 250-2500 µg/kg	Pyrene RL = 250-2500 µg/kg	Benzo(a)Anthracene RL = 0.25-2.5 mg/kg	Chrysene RL = 250-2500 µg/kg	Benzo(k)Fluoranthene RL = 0.25-2.5 mg/kg	Benzo(a)Pyrene RL = 0.25-2.5 mg/kg
SB-4-0.5-1.0 dup								<340	<68		<68	<68	<68	<68	<68	<68	<68	<0.068	<68	<0.068	<0.068
SB-4-4.5-5.0								<330	<67		<67	<67	<67	<67	<67	<67	<67	<0.067	<67	<0.067	<0.067
SB-6-4.5-5.0	<5.0	<5.0	<5.0	440	<5.0																
SB-6-9.5-10.0	<5.0	<5.0	1,000	45,000	<5.0																
SB-6-14.5-15.0	4,600	1,300	3,900	20,000	<5.0																
SB-7-5.0-5.25	20	<5.0	14	43	37																
SB-7-9.5-10.0	1,600	14,000	22,000	110,000	<5.0																
SB-7-14.5-15.0	3,000	420	990	5,100	<5.0																
SB-8-4.5-5.0	<5.0	89	81	320	<5.0																
SB-8-9.5-10.0	230	<5.0	2,100	2,700	<5.0																
SB-8-14.5-15.0	10,000	89,000	44,000	225,000	<5.0																
SB-8-19.5-20.0	<5.0	<5.0	<5.0	190	<5.0																
SB-9-4.5-5.0	2,300	<5.0	2,900	5,000	14,000																
SB-9-9.5-10.0	23,000	170,000	63,000	370,000	<5.0																
SB-9-14.5-15.0	5,400	19,000	6,200	36,000	2,600																
SB-9-19.5-20.0	<5.0	290	130	620	1,100																
SB-10-4.5-5.0	3,400	1,700	1,500	5,000	7,500																
SB-10-9.5-10.0	5,800	72,000	59,000	370,000	3,200																
SB-10-14.5-15.0	9,500	85,000	42,000	250,000	1,600																
SB-10-19.5-20.0	9,200	50,000	27,000	140,000	7,900																
SB-11-5.0-5.5	500	1,300	1,100	4,600	1,300			<330	<67		<67	<67	<67	<67	<67	<67	<67	<67	<67	<67	<67
SB-11-9.5-10.0	36,000	140,000	110,000	400,000	32,000																
SB-11-14.5-15.0	12,000	54,000	31,000	190,000	51,000																
SB-14-0.5-1.0								<67,000	<13,000		<13,000	<13,000	<13,000	<13,000	<13,000	<13,000	<13,000	<13,000	<13,000	<13,000	<13,000
SB-14-4.5-5.0								<330	<66		<66	<66	<66	<66	<66	<66	<66	<66	<66	<66	<66
SB-17-4.5-5.0	1.5	<0.94	<0.94	22.7	<3.8																
SB-17-9.5-10.0	1500 C	4,500	5,900	28,200	<500																
SB-17-14.5-15.0	800	4,200	1,300	8,700	<500																
SB-19-4.5-5.0	<5.0	53	41	140	<5.0																
SB-19-9.5-10.0	6,500	61,000	58,000	340,000	<5.0																
SB-19-14.5-15.0	<5.0	<5.0	<5.0	110	<5.0																
SB-20-9.5-10.0	4,300	7,700	11,000	65,000	<5.0																
SB-20-14.5-15.0	<5.0	29	29	60	<5.0																
SB-21-9.5-10.0	4,600	<5.0	24,000	140,000	<5.0																
SB-21-14.5-15.0	<5.0	<5.0	<5.0	250	<5.0																

Table 4
SSI Analytical Results for Volatile and Semi-Volatile Organic Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	VOCs						SVOCs															
	Benzene RL = 2-200 µg/kg	Toluene RL = 2 µg/kg	Ethylbenzene RL = 2-200 µg/kg	Xylene RL = 2-200 µg/kg	MTBE RL = 2 µg/kg	Isopropylbenzene RL = 2 µg/kg	Chlorobenzene RL = 2 µg/kg	1,4-Dichlorobenzene RL = 2 µg/kg	Naphthalene RL = 250-2500 µg/kg	1-Methylnaphthalene RL = 250-2500 µg/kg	Acenaphthylene RL = 250-2500 µg/kg	Acenaphthene RL = 250-2500 µg/kg	Fluorene RL = 250-2500 µg/kg	Phenanthrene RL = 250-2500 µg/kg	Anthracene RL = 250-2500 µg/kg	Fluoranthene RL = 250-2500 µg/kg	Pyrene RL = 250-2500 µg/kg	Benzo(a)Anthracene RL = 0.25-2.5 mg/Kg	Chrysene RL = 250-2500 µg/kg	Benzo(k)Fluoranthene RL = 0.25-2.5 mg/Kg	Benzo(a)Pyrene RL = 0.25-2.5 mg/Kg	
SB-22-4.5-5.0	<5.0	<5.0	<5.0	41	<5.0																	
SB-22-9.5-10.0	<5.0	88	<5.0	250	<5.0																	
SB-22-14.5-15.0	<5.0	<5.0	<5.0	36	<5.0																	
SB-22dup-15.0-15.5	<5.0	<5.0	<5.0	37	<5.0																	
SB-24-9.5-10.0	2,400 CJ	<250	22,000	55,700	<1,000																	
SB-24-14.5-15.0	370	11	5.3	29.8	<3.1																	
SB-27-0.5-1.0								<8,300	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700
SB-27dup-1.0-1.5								<6,700	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300	<1,300
SB-27-4.5-5.0								<340	<67	<67	<67	<67	<67	<67	<67	160	170	<67	100	86	69	
SB-29-0.5-1.0								<8,300	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700	<1,700
SB-29-4.5-5.0								<330	<66	<66	<66	<66	<66	<66	<66	190	190	95	150	140	110	
SB-33-9.5-10.0	<5.0	<5.0	<5.0	32	<5.0			<340	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	<68	
SB-34-4.5-5.0	<5.0	<5.0	<5.0	130	<5.0																	
SB-34-9.5-10.0	<5.0	<5.0	<5.0	54	<5.0																	
SB-34-14.5-15.0	<5.0	28	<5.0	42	<5.0																	
SB-39-4.5-5.0	120	610	330	1,700	97																	
SB-39-9.5-10.0	1,100	50,000	23,000	150,000	<5.0																	
SB-39-14.5-15.0	<5.0	110	<5.0	300	<5.0																	
SB-39-19.5-20.0	<5.0	47	37	120	<5.0																	

NOTES:
mg/Kg - milligrams per kilogram
µg/Kg - micrograms per kilogram
NA - Not analyzed for constituent
ND - Not detected at the indicated reporting limit
PEA - Preliminary Environmental Assessment
RL - Reporting limit
C = Presence confirmed, but RPD between columns exceeds 40%
q = draft result - ending instrument QC not yet analyzed

Table 5
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	Arsenic RL = 0.97-5 mg/Kg	Lead RL = 5 mg/Kg
1B-NW(10') 0.5'	Aug-05	7	
1B-S(10') 0.5'	Aug-05	11	
1C @ 0.5' PEA	Mar-05	8	2
2A @ 0.5' PEA	Mar-05	12	3
2A @ 5' PEA	Mar-05	66	3
2A-N(10') 0.5'	Aug-05	11	
2A-S(10') 0.5'	Aug-05	22	
2A-E(10') 0.5'	Aug-05	27	
2A-W(10') 0.5'	Aug-05	47	
2A-N(20') 0.5'	Aug-05	37	
2A-S(20') 0.5'	Aug-05	117	
2A-E(20') 0.5'	Aug-05	10	
2A-W(20') 0.5'	Aug-05	88	
2AW(40') 0.5'	Mar-05	35	
2ANW(40') 0.5'	Mar-05	31	
2AW(50') 0.5'	Mar-05	13	
2ANW(50') 0.5'	Mar-05	73	
2B @ 0.5' PEA	Mar-05	19	18
2B-N(37') 0.5'	Aug-05	13	
2B3 @ 5' PEA	Mar-05	8	2
2C @ 0.5' PEA	Mar-05	17	24
2C @ 5' PEA	Mar-05	31	10
2C-N(10') 0.5'	Aug-05	17	
2C-E(10') 0.5'	Aug-05	67	
2C-N(20') 0.5'	Aug-05	21	
2C-W(20') 0.5'	Aug-05	16	
2C-E(20') 0.5'	Aug-05	63	
5A @ 0.5' PEA	Mar-05	7	320
5A-SE(10') 0.5'	Aug-05		301
5C @ 0.5' PEA	Mar-05	4	398
5C-ESE(20') 0.5'HOLD	Aug-05		271
6A @ 0.5' PEA	Mar-05	16	19
SB-5-0.5-1.0	Dec-15	69	
SB-6-0.0-0.5	Dec-05	60	
SB-9-0.5-1.0	Dec-05	130	
SB-10-0.0-0.5	Dec-05	7.3	

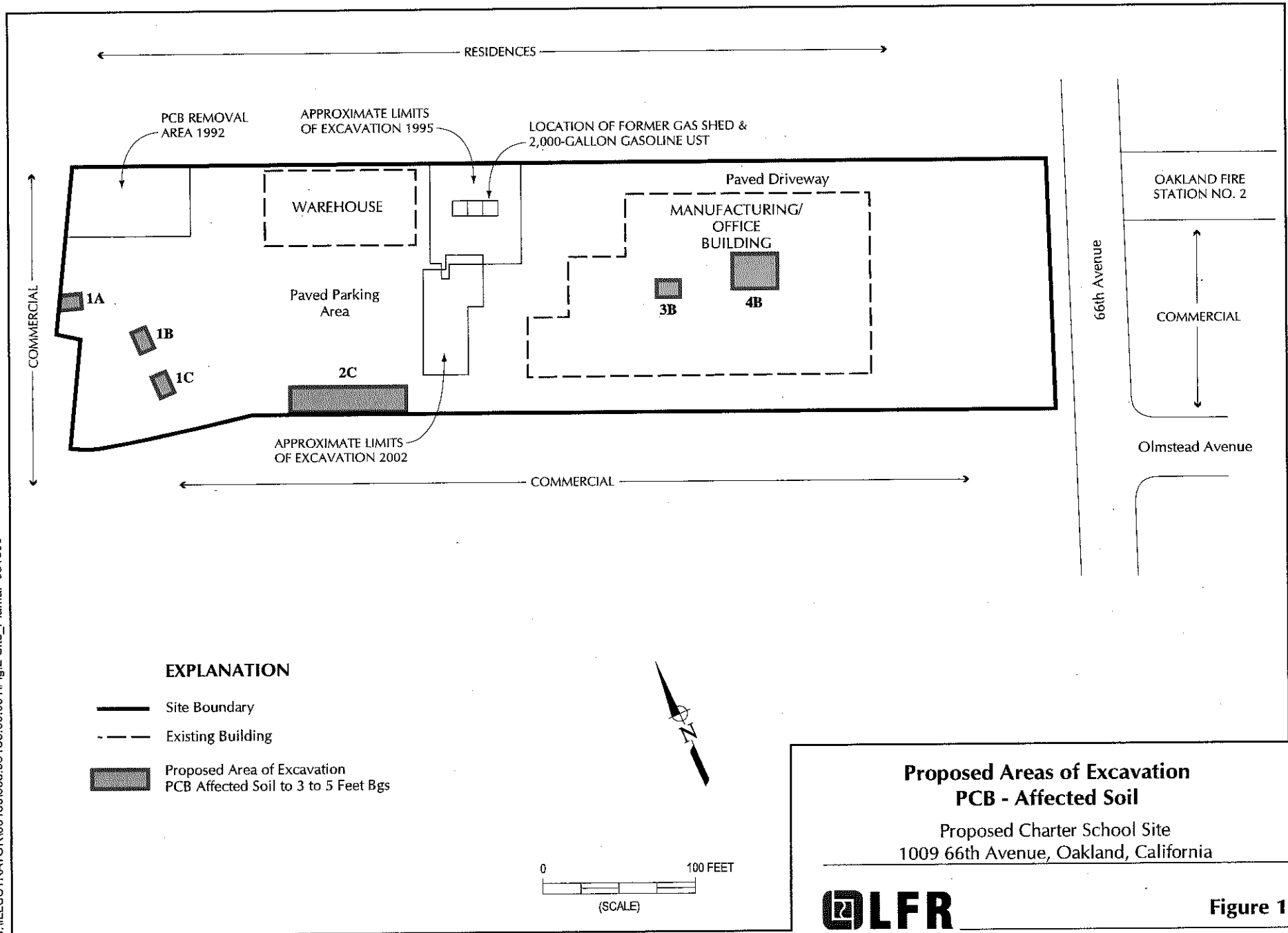
Table 5
SSI Analytical Results for Selected Compounds in Soil
Proposed Charter School Site
1009 66th Avenue, Oakland, California

Sample ID & Location	Date Sampled	Arsenic RL = 0.97-5 mg/Kg	Lead RL = 5 mg/Kg
SB-17-0.5-1.0	Dec-05	71	
SB-18-0.5-1.0	Dec-05	140	
SB-19-0.5-1.0	Dec-05	140	
SB-20-0.5-1.0	Dec-05	110	
SB-20dup-1.0-1.5	Dec-05	11	
SB-22-0.5-1.0	Dec-05	98	
SB-26-0.5-1.0	Dec-05	110	
SB-30-4.5-5.0	Dec-05	19	

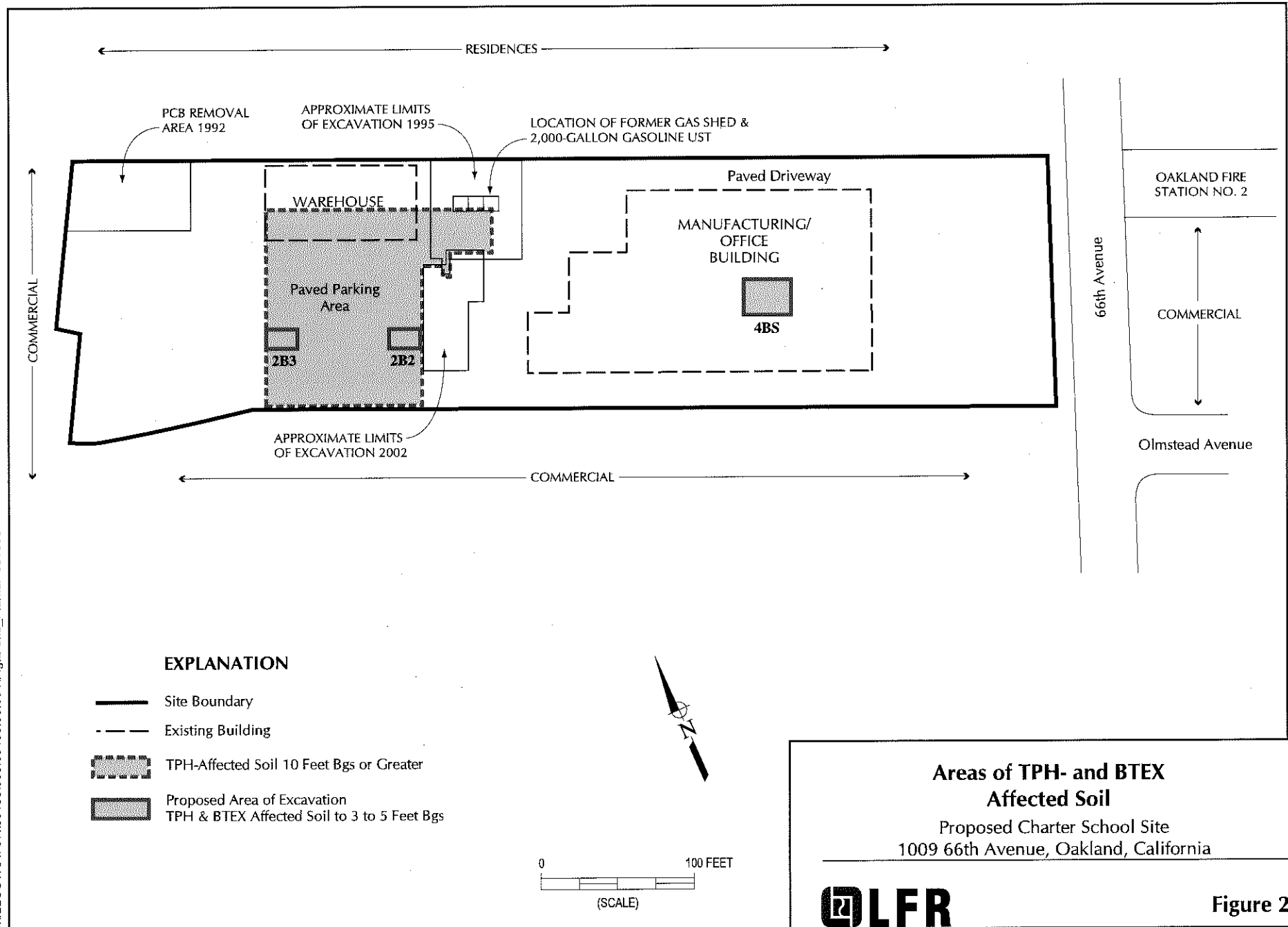
Notes:

- mg/Kg - milligrams per kilogram
- µg/Kg - micrograms per kilogram
- NA - Not analyzed for constituent
- ND - Not detected at the indicated reporting limit
- PCB - Polychlorinated Biphenyls
- PEA - Preliminary Environmental Assessment
- RL - Reporting limit
- TPH - Total Petroleum Hydrocarbons
- = Analysis not requested
- H = Heavier hydrocarbons contributed to the quantitation
- Y = Sample exhibits chromatographic pattern which does not resemble standard
- L = Lighter hydrocarbons contributed to the quantitation
- J = Estimated concentration
- q - draft result - ending instrument QC not yet analyzed

J:\ILLUSTRATOR\09155\003.09155.00.004\Fig.2 Site_Plan.ai 081506



J:\ILLUSTRATOR\091551003.09155.00.004\Fig.2 Site_Plan.ai 081506



J:\ILLUSTRATOR\09155\003.09155.00.004\Fig:2 Site_Plan.at 081506

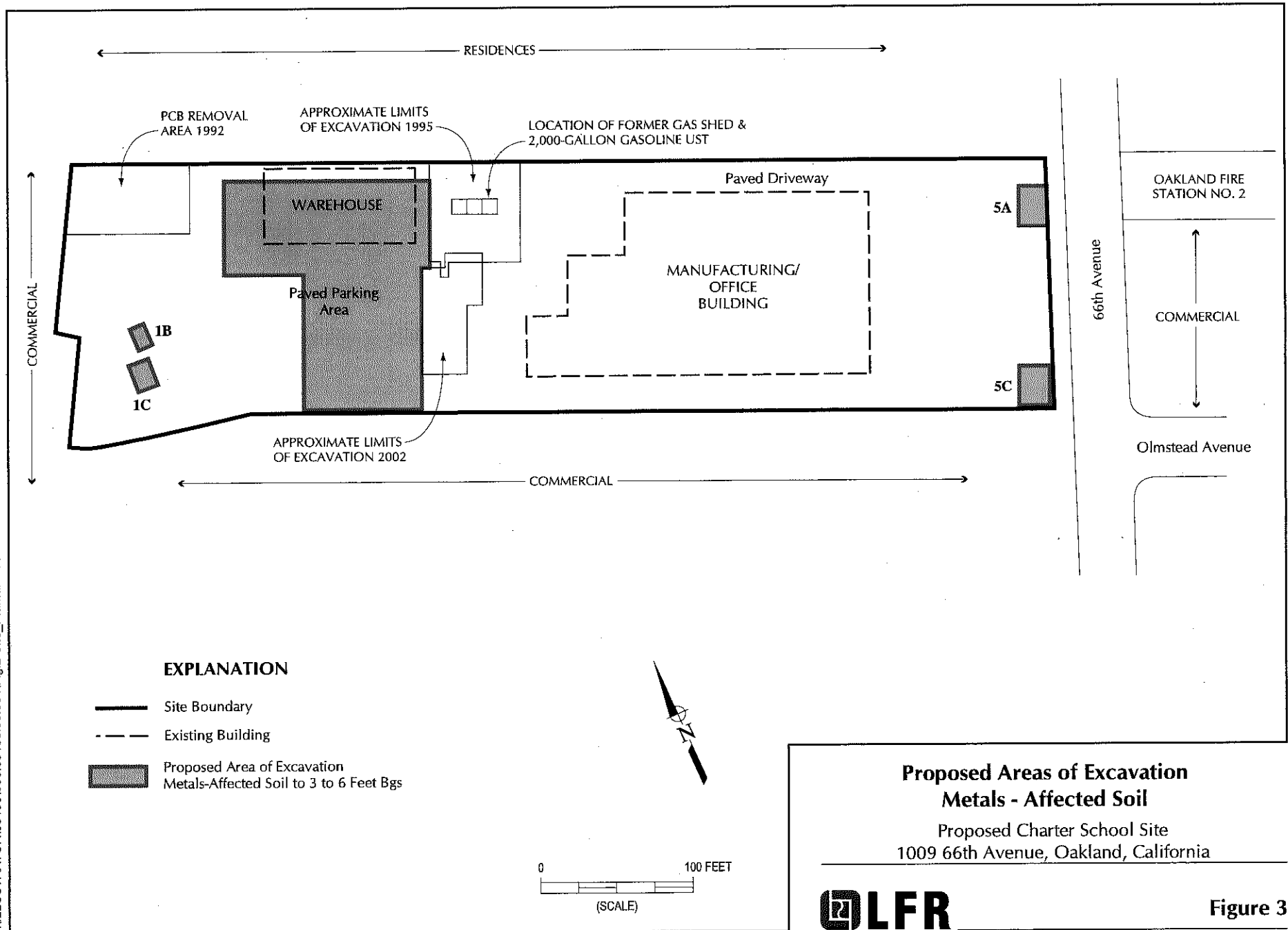


Figure 3