



Date: July 22, 2025

To: Mr. Carey Upton
Chief Operations Officer
Santa Monica Malibu Unified School District (SMMUSD)

From: Mr. Eric Friske, P.E.,
Project Manager

A handwritten signature in blue ink, appearing to read 'E. Friske'.



CC: Mr. Kevin Klaus, SMMUSD
Ms. Elena Iniguez, SMMUSD

Subject: **Technical Memorandum:**
Environmental Soil Excavation and Confirmation Sampling Results
Roosevelt Elementary School, 801 Montana Avenue
Santa Monica, California

This memorandum has been prepared regarding recent environmental soil removal activities conducted at the southeastern portion of the abovementioned Roosevelt Elementary School in Santa Monica, California (herein referred to as “the Site”). The purpose of this memorandum is to document the completion of environmental soil removal activities, and to present the findings of post-excavation soil confirmation sampling.

Previous Soil Sampling Activities

Soil sampling at the Site was conducted during three separate sampling events (April, June, and December) in 2024. The soil sampling activities identified 15 areas throughout the Site with shallow soils that contained concentrations of arsenic, lead, dieldrin (a pesticide), and/or aroclor-1254 (a polychlorinated biphenyl [PBC]) above applicable human health screening levels. These locations are presented on the attached Figure 1.

Following consultation with the State of California Department of Toxic Substances Control (DTSC), it was determined that the impacted soil could be removed during planned Site construction activities.

Environmental Soil Excavation and Dust Monitoring

Between July 2 and 11, 2025, approximately 14 cubic yards of impacted soil at the Site were excavated by Integrated Demolition and Remediation, Inc (IDR), a licensed hazardous material contractor. The excavated impacted soil was containerized by IDR into sealed waste bins for transport off-site to a licensed disposal facility. The excavation work was completed with no reportable injuries or illnesses.

Remedial soil excavation activities were conducted under the supervision of NV5 and the regulatory oversight of the DTSC.

During excavation activities, NV5 staff performed real time dust monitoring at the Site perimeter and collected airborne dust samples downwind of excavation activities. As documented on the attached Table 1, perimeter dust levels were maintained below the South Coast Air Quality Management District (SCAQMD) limit for fugitive dust throughout the completion of excavation activities and no detectable concentrations of lead or arsenic were identified in airborne dust samples.

Post-Excavation Confirmation Soil Sampling

Following completion of excavation activities, confirmation soil samples were collected by NV5 at each excavation area. At each excavation area, soil samples were collected from the excavation sidewalls and floor and submitted to an accredited State of California environmental laboratory, Enthalpy Analytical of Orange, California, for analysis. Soil samples were analyzed for the respective contaminant(s) of concern previously identified at each excavation area. The results of this analysis were then compared to predetermined cleanup level concentrations to ensure that the impacted soil had been successfully removed.

The results of the confirmation sampling laboratory analysis are summarized on the attached Table 2. Based on the results of the laboratory analysis, the completed environmental soil excavation activities were successful in removing soil impacted contaminants above applicable cleanup levels from the Site.

Closing

The results of the post-excavation soil sampling, dust monitoring, and airborne dust sampling activities have confirmed that impacted soils at the Site have been successfully and safely removed from the Site.

The successful completion of this environmental soil removal will be further documented in a forthcoming report that will be submitted to the DTSC for their review and approval.

Please feel free to email or call me anytime if you have any questions or require additional information.

Attachments:

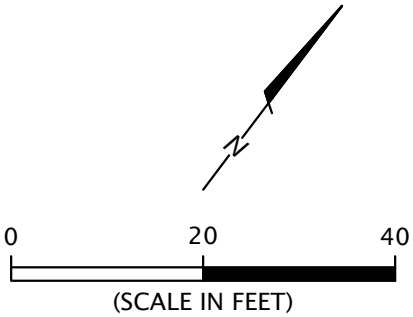
Figure
Tables

Printed By: Andy Day | Print Date: 7/22/2025 9:11:39 AM
File Path: Y:\clients n-s\santa monica-malibu usd (smsd)\roosevelt es\4470425-0005608.00 2025 soil removal oversight\Drawings\4470425-0005608.00-SiteMap_SoilLocs-01.dwg



LEGEND:

- CONFIRMATION SAMPLE LOCATION
- EXCAVATION AREA



JOB NUMBER	4470425-0005608.00
FILE NAME	4470425-0005608.00-SiteMap_SoilLocs-01.dwg
REVIEWED BY	EF
DATE	7/2025

SOIL EXCAVATION AREAS AND
CONFIRMATION SAMPLING LOCATIONS
ROSSEVELT ELEMENTARY SCHOOL
801 MONTANA AVENUE
SANTA MONICA, CA

FIGURE
1

Table 1: Dust Monitoring Summary

Project Number			Project Name						Project Location			
4470425-0005608.00			Roosevelt Elementary School						801 Montana Avenue, Santa Monica, California			
Date	Wind			Upwind Dust Monitor		Downwind Dust Monitor		Average Dust Contribution Concentration ($\mu\text{g}/\text{m}^3$)	Maximum Dust Contribution Concentration ($\mu\text{g}/\text{m}^3$)	Downwind Lead in Dust ($\mu\text{g}/\text{m}^3$)	Downwind Arsenic in Dust ($\mu\text{g}/\text{m}^3$)	Site Activities
	Avg. Speed mph	Max Speed mph	Avg. Direction	Avg. Dust Conc. ($\mu\text{g}/\text{m}^3$)	Max Dust Conc. ($\mu\text{g}/\text{m}^3$)	Avg. Dust Conc. ($\mu\text{g}/\text{m}^3$)	Max Dust Conc. ($\mu\text{g}/\text{m}^3$)					
7/2/2025	2	4	SW	0	0	2.75	5	2.75	5	<2	<2	Soil Excavation & Transport
7/3/2025	1.78	3	SW	0.44	4	8.44	22	8.00	18	<2	<2	Soil Excavation & Transport
7/8/2025	0.45	1	SW	0	0	1.40	10	1.40	10	<2	<2	Soil Excavation & Transport
7/11/2025	1.33	5	SW	0.67	4	8.44	22	7.78	18	<3	<2	Soil Excavation & Transport

All concentrations are presented in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)
 SCAQMD Rule 403 Maximum Allowable PM10 dust contribution is 50 $\mu\text{g}/\text{m}^3$

Table 2: Summary of Excavation Area Details

				Excavation Dimensions			Volume
				Ft	Ft	Ft	Yds-3
Areas	COC	Max COC Detected Concentration Following Excavation (mg/kg)	Cleanup Goal (mg/kg)	L	W	D	V
HA6	Arsenic & Dieldrin	12 As 0.0096 Dieldrin	18 As 0.034 Dieldrin	4	4	1	0.59
HA9	Lead	14	80	2	4	1	0.30
HA10	Lead	45	80	3	3	1	0.33
HA11 & HA30	Lead PCB	16 Pb ND PCB	80 Pb 0.24 PCB	14	4	1	2.07
HA12	Arsenic	9	18	4	4	1	0.59
HA19	Arsenic & Dieldrin	10 As 0.020 Dieldrin	18 As 0.034 Dieldrin	4	4	1	0.59
HA20	Arsenic	16	18	5	4	3	2.22
HA32	Arsenic	8	18	4	4	1	0.59
HA35	Arsenic	14	18	4	4	1	0.59
HA36	Arsenic	14	18	4	4	1	0.59
HA37	Arsenic	15	18	4	4	1	0.59
HA40	Arsenic	9.1	18	4	4	2	1.19
HA41	Arsenic	8.9	18	4	4	2	1.19
SV10	Arsenic	9.4	18	4	4	1	0.59
SV14	Arsenic	15	18	4	4	3	1.78

L = Length

W= Width

D= Depth

Ft = Foot

Yds-3 = Cubic Yards

PCB = Aroclor-1254

ND = Not Detected

DUP = Duplicate Sample

mg/kg = milligrams per kilogram

COC = Contaminant of Concern

As = Arsenic

Pb = Lead

Total Cubic Yards 13.81