TECHNICAL ADDENDUM

DATE: January 17, 2017

TO: Patrick Schanen
Environmental Health Manager
Los Angeles Unified School District
Office of Environmental Health and Safety
333 S. Beaudry Avenue, 21-224-05
Los Angles, California 90017

ATTENTION: Dane Robinson, PG
Site Assessment Project Manager/Contract Professional

FROM: Carl Lotzgesell, Associate Geologist
Eric Longenecker, P.E., Director

SUBJECT: Completion of Site Assessment
Comprehensive Modernization Project
Venice High School
13000 West Venice Boulevard, Los Angeles, California 90066

PROJECT NO.: LASD1-27.0

This Technical Addendum (TA) has been prepared to supplement the information that was provided in PlaceWork's *Preliminary Environmental Assessment Equivalent Report* (PEA Equivalent) dated December 7, 2016. The PEA Equivalent was conducted in support of the redevelopment of Venice High School. At the request of the Los Angeles Unified School District (LAUSD), the PEA Equivalent was submitted prior to the full delineation of contaminated soil. This TA presents the final step-out sampling and analysis performed to complete the delineation of soil containing elevated concentrations of arsenic and lead.

Background

As described in the PEA Equivalent, Venice High School (HS) is undergoing upgrades known as a Comprehensive Modernization Project (CMP). For the PEA Equivalent and this investigation, the "Site" is the portion of Venice HS that is subject to the CMP. Venice HS is located at 13000 W. Venice Boulevard, Los Angeles, California 90066. The CMP involves campus-wide upgrades of existing infrastructure and athletic fields as well as the construction of new classrooms, a gymnasium, and field bleachers. Several existing buildings and portable classroom units will be removed to make way for the Site improvements.

The PEA Equivalent was intended to assess environmental conditions within the areas targeted by the CMP prior to beginning construction. Features and activities of apparent environmental

concern (i.e., "recognized environmental conditions") were identified in a site-wide Phase I Environmental Site Assessment (ESA) commissioned by the LAUSD. These included potential soil and soil gas impacts related to the operation of underground hydraulic lifts, an oil/water separator, and other historical activities that may have occurred within the shop area of the Site. The PEA Equivalent collected and analyzed soil samples for lead from lead-based paint, polychlorinated biphenyls, organochlorinated pesticides, arsenic from herbicides, petroleum hydrocarbons, and volatile organic compounds (VOCs). This investigation also completed the delineation of two areas from a previous PEA prepared by Ninyo and Moore for a Seismic Modernization Project that contained elevated concentrations of arsenic in soil. In addition, soil vapor was analyzed for VOCs, methane and hydrogen sulfide.

The PEA Equivalent ruled out all chemicals of potential concern except for arsenic and lead. That investigation identified 19 areas with soil concentrations exceeding preliminary screening levels (PSLs) of 12 milligrams per kilogram (mg/kg) of arsenic and/or 80 mg/kg of lead. However, due to time constrains the lateral extent of nine of these areas was not bound by a boring with soil concentrations below the PSLs. This investigation was completed to fill in these data gaps.

Step-Out Soil Sampling

On December 3, 2016 PlaceWorks completed 18 borings to a maximum depth of 2.5 feet below ground surface (bgs) to complete the delineation effort for 9 of the 19 previously identified impacted areas (i.e., B-2, B-36, B-48, B-66, B-67, B-90, B-94, B-114, and B-120). The results from this sampling and analysis still failed to completely delineate the western boundary of arsenic above the PSL for B36. On December 27, 2016 PlaceWorks completed four additional step-out borings spaced 5 feet apart (i.e., B36-W25, -W30, -W35, and -W40). As the closest location to the original boring only the 0.5-foot sample at location B36-W25 was subjected to analysis for arsenic and the remaining samples were archived at the laboratory pending the results of this sample. The analytical test result for sample B36-W25-0.5 was reported as <2.5 mg/kg. Based on this test result, location B36 has been fully delineated as depicted on Figure 10. The sampling procedures outlined in the PEA Equivalent were repeated for both sampling events.

All soil samples were analyzed by EPA Method 6010B for lead or arsenic, depending on location. Copies of the laboratory analytical reports are included in Attachment A.

Equipment Decontamination

Hand augers, drill rods, and other non-disposable sampling equipment were decontaminated between borings and sample locations to reduce the potential for contaminant introduction and cross-contamination. Equipment decontamination was performed in accordance with industry-standard procedures, as follows:

- Non-phosphate detergent and distilled water wash using a brush,
- Initial distilled/deionized water rinse, and
- Final distilled/deionized water rinse.

Investigation-Derived Waste Management

Soil cuttings and decontamination water were collected in properly labeled UN-rated 55-gallon drums. Based on the analytical results for the waste profile samples previously collected, as well as the analytical results from the PEA investigation, the investigation-derived waste (IDW) was characterized as non-hazardous for waste disposal purposes. The waste profile has been approved by the LAUSD Environmental Compliance Manager and the receiving facilities. The drums of IDW were transported from the Site on January 6, 2017 for lawful disposal. Copies of the waste manifests are provided in Attachment B.

Findings and Conclusions

This investigation successfully completed the delineation of soil with concentrations of arsenic and lead above 12 mg/kg and 80 kg/mg, respectively, at the Site. Based on additional step-out distances and depths a total in-place soil removal volume of 185.3 cubic yards has been calculated. This is an increase of 11.4 cubic yards from the volume reported in the PEA Equivalent report. This is an increase in the non-hazardous soil volume only: the 9.4 in-place cubic yards of California non-Resource Conservation and Recovery Act (RCRA) hazardous waste did not change.

This documents updates the following tables from the PEA Equivalent:

- Table 3, *Analytical Results for Lead and Arsenic in Soil*
- Table 10, *Step-out Boring Summary*, which describes the constraints around each removal area has been updated and attached.
- Table 11, *Estimated Soil Removal Volumes,* which states the dimensions of each removal area.

Acknowledgement and Certification

This Technical Addendum was prepared in a manner consistent with the level of care and skill ordinarily exercised by professional engineers, geologists, and environmental scientists, under the technical direction of the individuals identified below. Please contact either individual at (213) 623-1443 if you have any questions regarding its contents.

PLACEWORKS:

Carl W. Lotzgesell
Associate Geologist
January 17, 2017

Eric Longenecker, PE
Director
Professional Engineer No. 49357
January 17, 2017

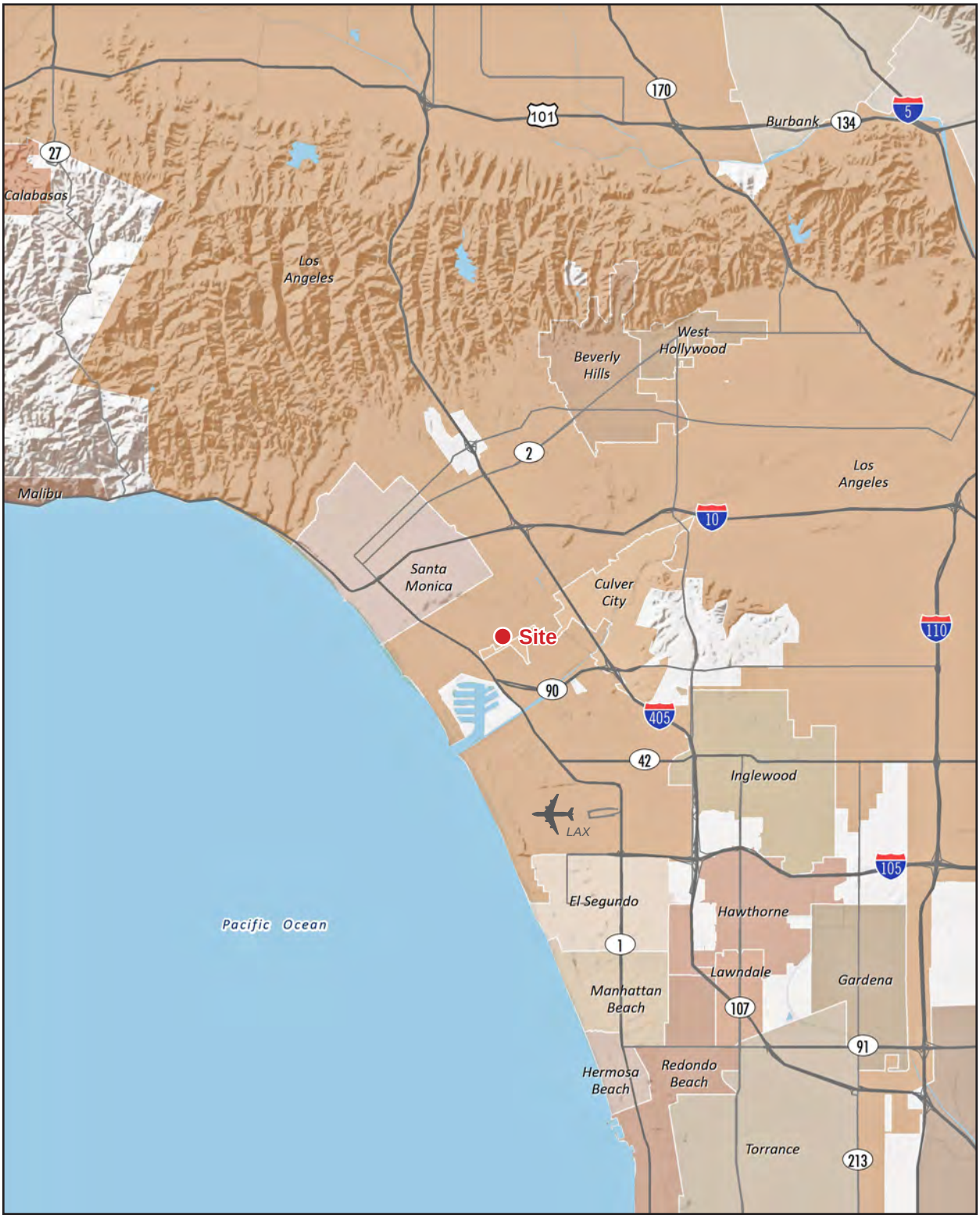
Attachments:

Figures 1 to 13
Tables 3, 10, and 11
Attachment A Analytical Laboratory Reports
Attachment B IDW Waste Manifests

cc: LASD1-27.0 Project File

Figures

Figure 1 - Site Location



Note: Unincorporated county areas are shown in white.

Venice High School
13000 Venice Boulevard
Los Angeles, California 90066

0 1.5 3
SCALE (IN MILES)

N

Base Map Source: ESRI, USGS, NOAA, 2016

Figure 2 - Aerial Photograph

School Boundary

Venice High School
13000 Venice Boulevard
Los Angeles, California 90066

0 175 350
SCALE (IN FEET)

N

Base Map Source: Google Earth Pro, 2016

Figure 3 - Site Details and Area Wide Soil Sample Locations

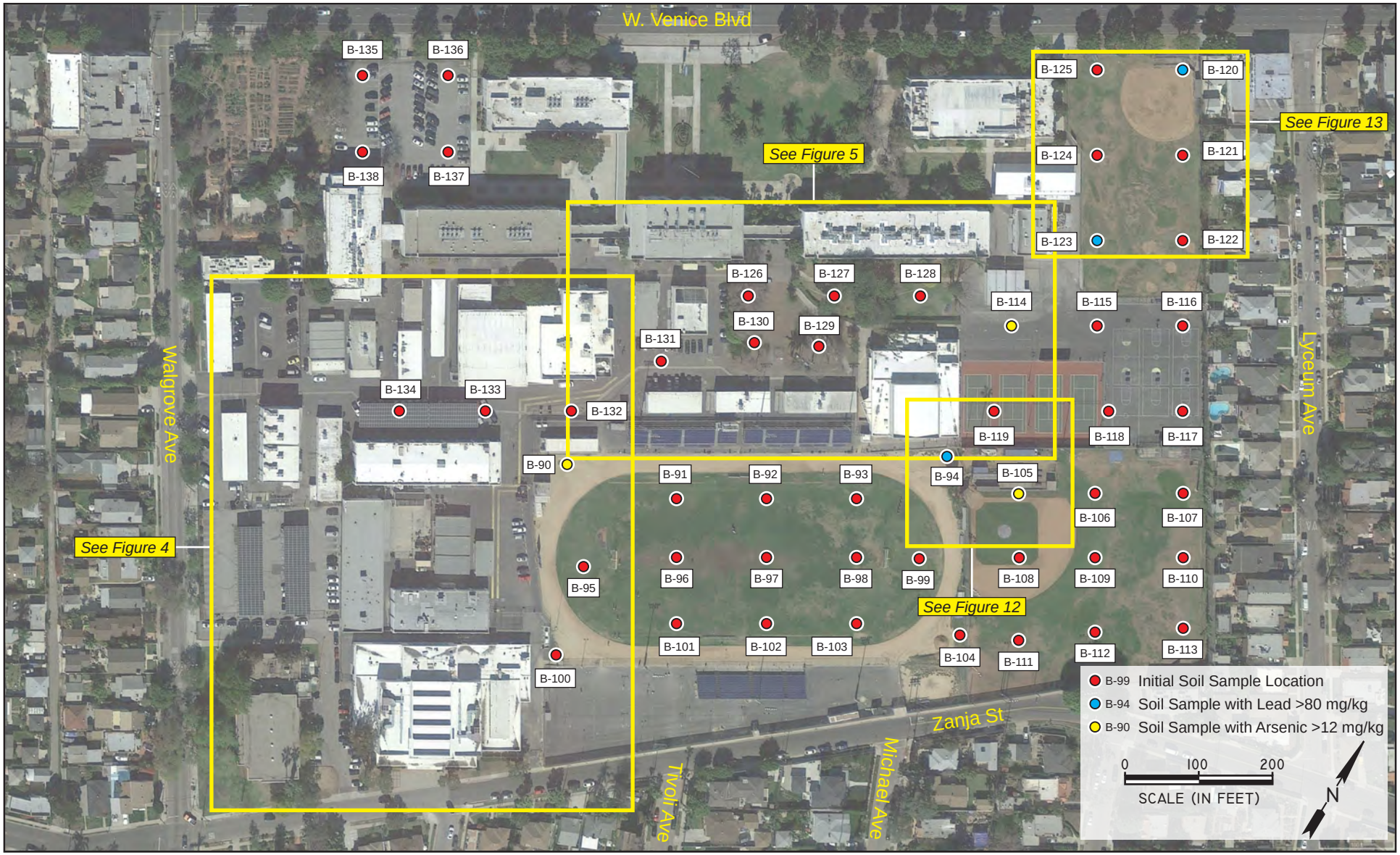
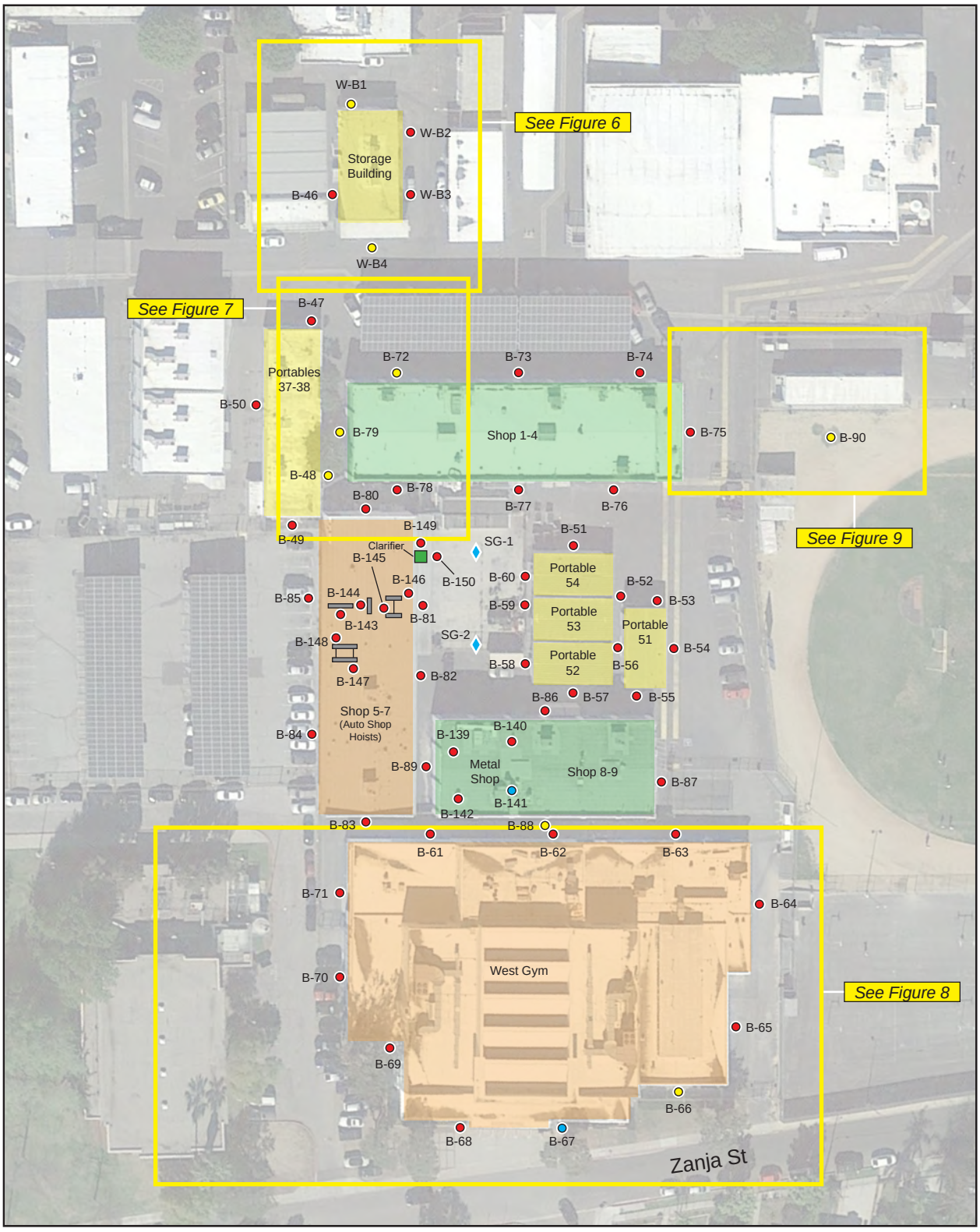


Figure 4 - Building Soil and Soil Gas Sample Locations - Detail 1



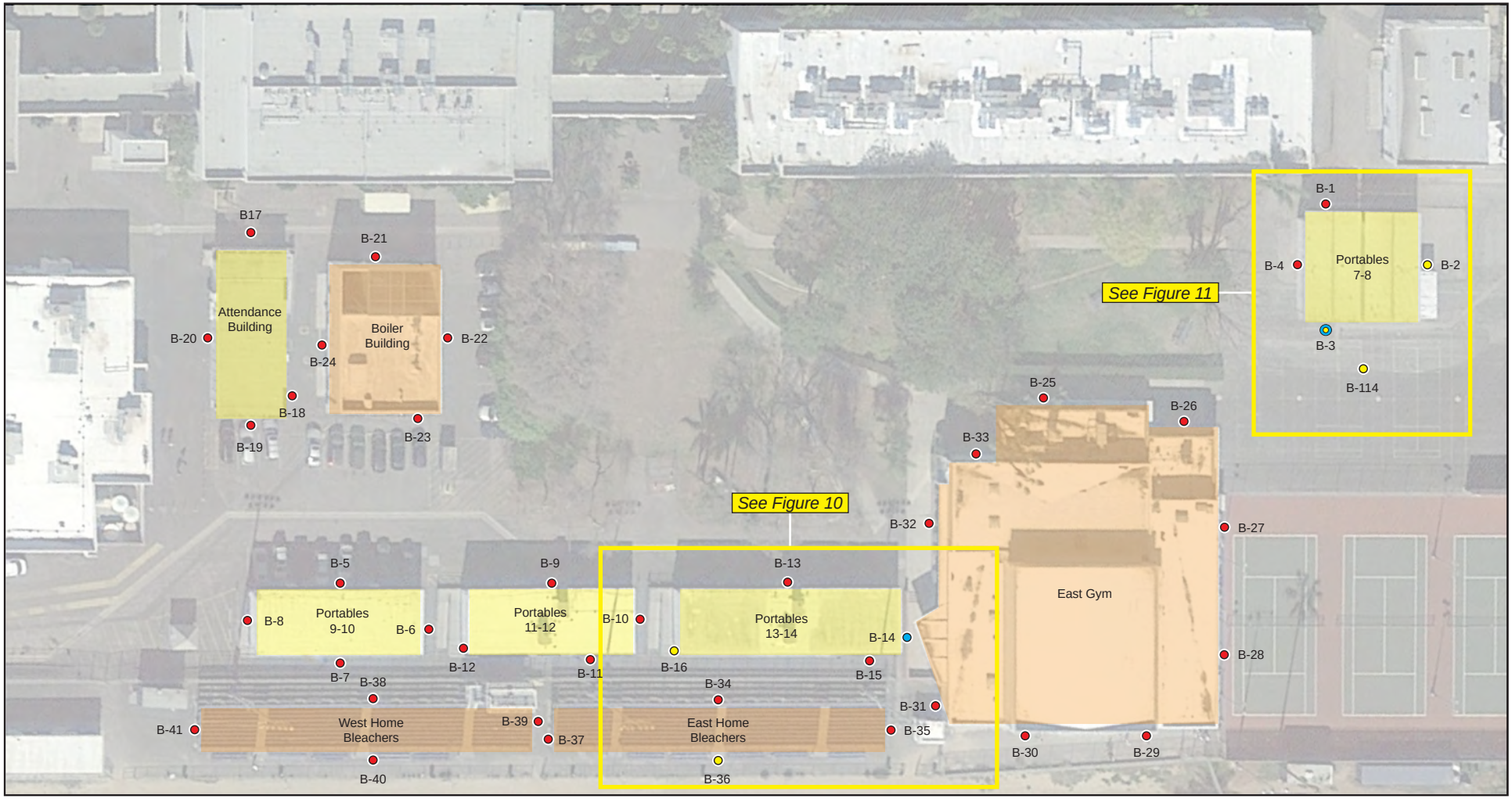
B-68 Initial Soil Sample Location
B-67 Soil Sample with Lead >80 mg/kg
B-66 Soil Sample with Arsenic >12 mg/kg
SG-1 Soil Gas Sample Location

Portables to be Removed
Buildings to be Removed
Historical Buildings to be Removed

0 35 70
SCALE (IN FEET)

N

Figure 5 - Building Soil Sample Locations - Detail 2



B-1 Initial Soil Sample Location
B-14 Soil Sample with Lead >80 mg/kg
B-36 Soil Sample with Arsenic >12 mg/kg
B-3 Soil Sample with Lead >80 mg/kg and Arsenic >12 mg/kg

Portables to be Removed
Buildings to be Removed

0 35 70
SCALE (IN FEET)

N

Figure 6 - Step-Out Sample Locations and Removal Areas - Storage Building

Figure 7 - Step-Out Sample Locations and Removal Areas - Shop 1-4 and Portables 37-38

Figure 8 - Step-Out Sample Locations and Removal Areas - West Gym

- B-66 Initial Sample Location
- B66-W5 PEA Sample Location
- B67-E25 TA Sample Location
- Utility Line Forms Boundary
- Soil Removal Area

- Buildings to be Removed
- Historical Buildings to be Removed

0 20 40
SCALE (IN FEET)

N

Figure 9 - Step-Out Sample Locations and Removal Areas - West Track

B-90 Initial Sample Location
B-90 - N5 PEA Sample Location
B90 - E15 TA Sample Location
Utility Line Forms Boundary
Soil Removal Area

Historical Buildings to be Removed

0 10 20
SCALE (IN FEET)

N

Figure 10 - Step-Out Sample Locations and Removal Areas - Portables 13-14 and Home Bleachers

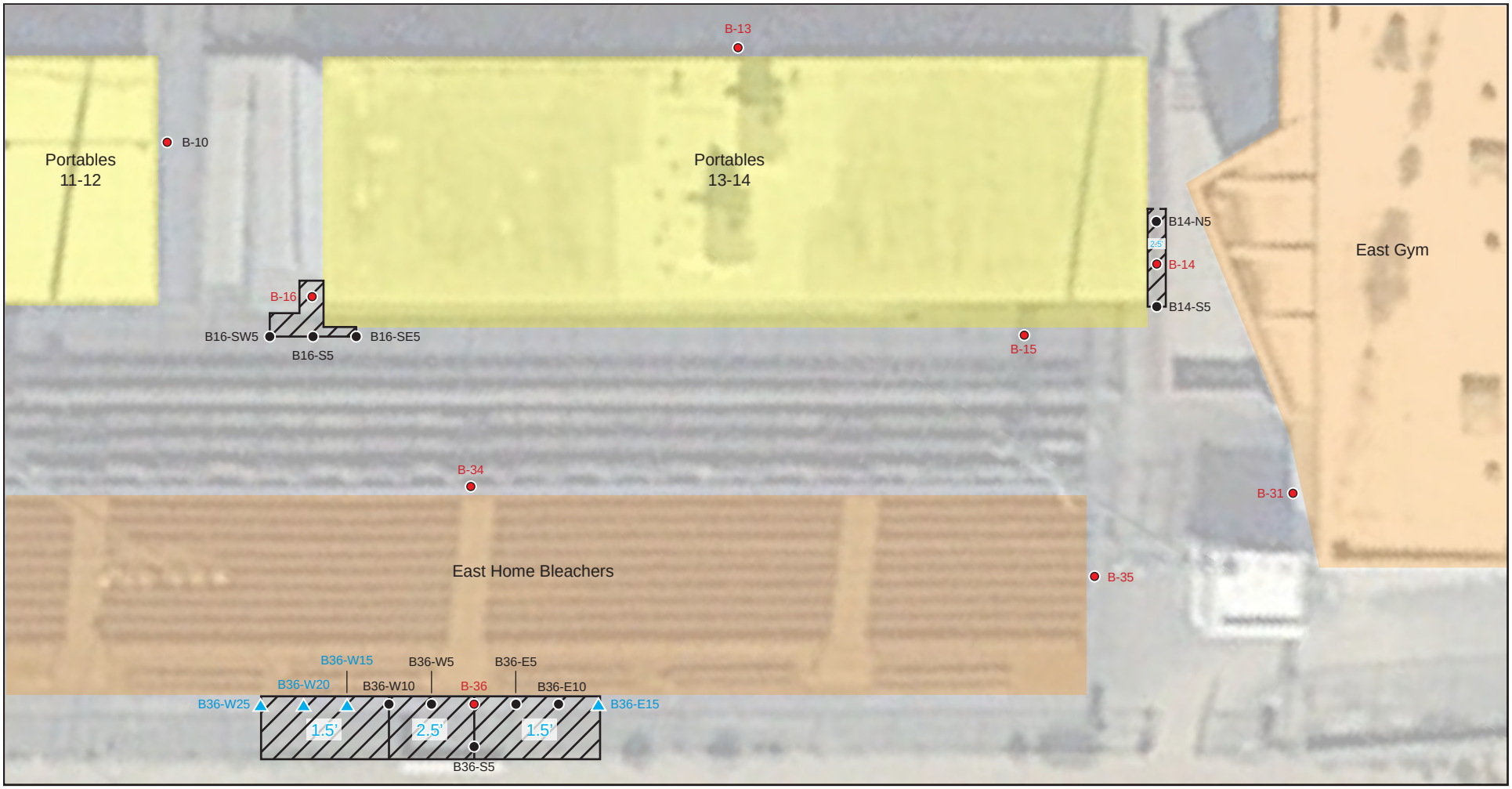


Figure 11 - Step-Out Sample Locations and Removal Areas - Portables 7-8

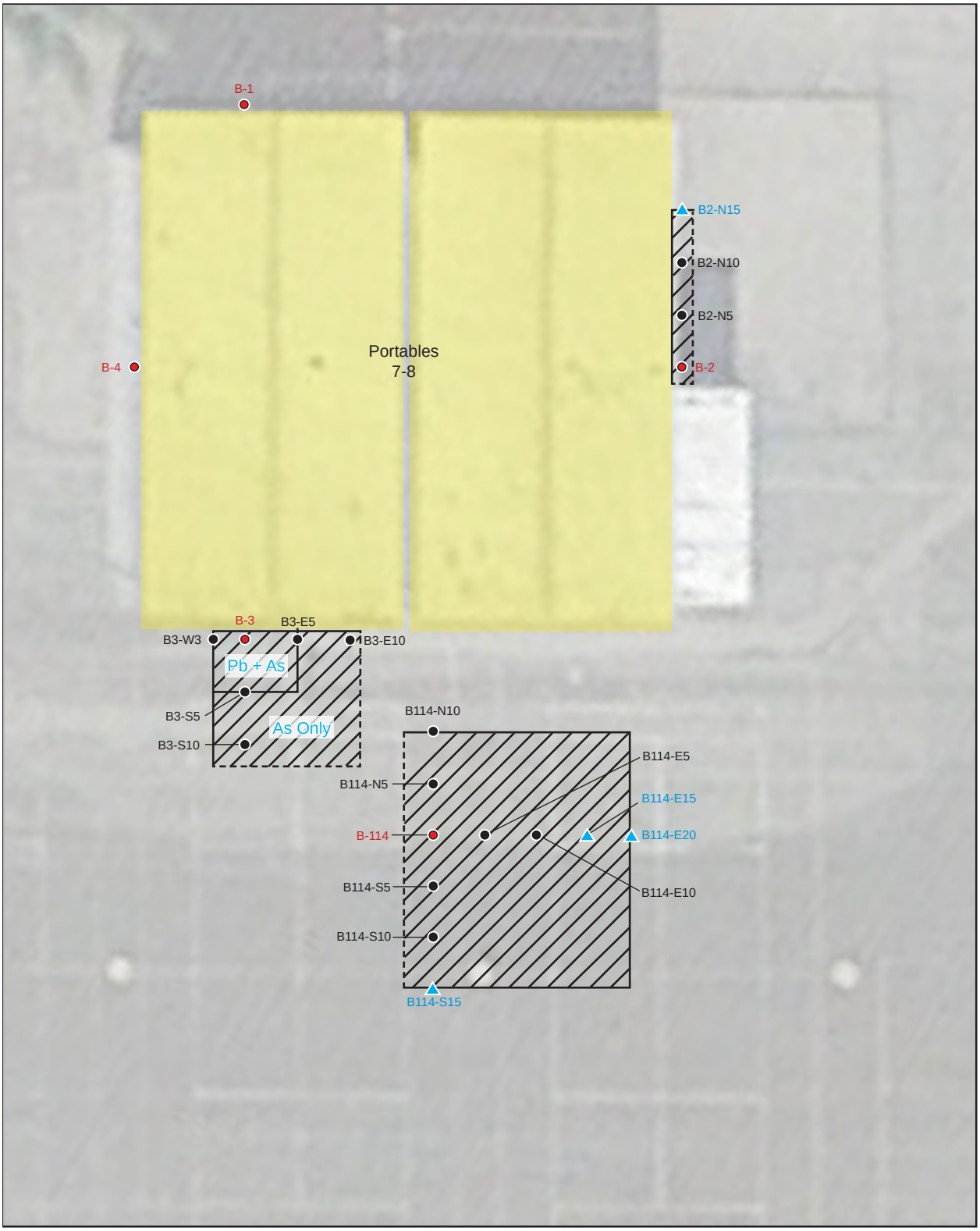


Figure 12 - Step-Out Sample Locations and Removal Areas - East Track and Baseball Field

- B-94 — Initial Sample Location
- B94 - S5 — PEA Sample Location
- B94 - N12 — TA Sample Location
- Utility Line Forms Boundary
- Soil Removal Area

0 10 20
SCALE (IN FEET)

N

Figure 13 - Step-Out Sample Locations and Removal Areas - Softball Field

Tables

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
COMPREHENSIVE MODERNIZATION PROJECT PEA					
B-1	B1-0.5'	10/8/16	0.5	12.9	6.82
B-2	B2-0.5'	10/8/16	0.5	3.59J	55.2
	B2-1.5'	10/8/16	1.5	--	11.2
B2-N5	B2-N5-0.5'	11/6/16	0.5	--	181
	B2-N5-1.5'	11/6/16	1.5	--	8.36
B2-N10	B2-N10-0.5'	11/6/16	0.5	--	92.7
	B2-N10-1.5'	11/6/16	1.5	--	6.71
B2-N15	B2-N15-0.5'	12/3/16	0.5	--	10.5
B-3	B3-0.5'	10/8/16	0.5	127	299
	B3-1.5'	10/8/16	1.5	4.24J	7.68
B3-W3	B3-W3-0.5'	11/6/16	0.5	6.99	8.25
B3-E5	B3-E5-0.5'	11/6/16	0.5	7.57	342
	B3-E5-1.5'	11/6/16	1.5	--	7.02
B3-E10	B3-E10-0.5'	11/6/16	0.5	--	191
	B3-E10-1.5'	11/6/16	1.5	--	8.37
B3-S5	B3-S5-0.5'	11/6/16	0.5	32.2	16.4
	B3-S5-1.5'	11/6/16	1.5	--	7.38
B3-S10	B3-S10-0.5'	11/6/16	0.5	--	25.3
	B3-S10-1.5'	11/6/16	1.5	--	8.54
B-4	B4-0.5'	10/8/16	0.5	5.83	6.15
B-5	B5-0.5'	10/2/16	0.5	6.50	<0.5
B-6	B6-0.5	10/2/16	0.5	9.17	2.95J
B-7	B7-0.5'	10/2/16	0.5	6.40	2.11J
B-8	B8-0.5'	10/2/16	0.5	6.74	5.64
B-9	B9-0.5'	10/2/16	0.5	9.50	1.94J
B-10	B10-0.5'	10/2/16	0.5	10.0	4.29J
B-11	B11-0.5'	10/2/16	0.5	11.5	3.63J
B-12	B12-0.5'	10/2/16	0.5	9.68	2.29J
B-13	B13-0.5'	10/2/16	0.5	62.1	6.57
	DUP-1	10/2/16	0.5	53.3	6.55
B-14	B14-0.5'	10/2/16	0.5	82.7	4.30J
	B14-1.5'	10/2/16	1.5	130	--
	B14-2.5'	10/2/16	2.5	4.02J	--

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		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B14-N5	B14-N5-0.5'	11/5/16	0.5	20.1	--
B14-S5	B14-S5-0.5'	11/5/16	0.5	7.95	--
B-15	B15-0.5'	10/2/16	0.5	17.1	6.20
B-16	B16-0.5'	10/2/16	0.5	6.90	23.0
	B16-1.5'	10/2/16	1.5	--	5.32
B16-S5	B16-S5-0.5	11/5/16	0.5	--	5.28
B16-SE5	B16-SE5-0.5	11/5/16	0.5	--	4.81J
B16-SW5	B16-SW5-0.5	11/5/16	0.5	--	4.66J
B-17	B17-0.5'	10/2/16	0.5	4.43J	6.42
B-18	B18-0.5'	10/2/16	0.5	4.31J	5.79
B-19	B19-0.5'	10/2/16	0.5	4.47J	5.86
B-20	B20-0.5'	10/2/16	0.5	54.5	5.71
B-21	B21-0.5'	10/2/16	0.5	8.99	5.32
B-22	B22-0.5'	10/2/16	0.5	27.9	6.05
B-23	B23-0.5'	10/2/16	0.5	38.3	7.21
B-24	B24-0.5'	10/2/16	0.5	30.1	5.11
	DUP-2	10/2/16	0.5	23.6	3.09J
B-25	B25-0.5'	10/8/16	0.5	26.4	3.83J
B-26	B26-0.5'	10/8/16	0.5	4.90J	4.33J
	DUP-3	10/8/16	0.5	1.59J	<0.5
B-27	B27-0.5'	10/8/16	0.5	3.28J	<0.5
B-28	B28-0.5'	10/8/16	0.5	2.26J	1.15J
B-29	B29-0.5'	10/8/16	0.5	4.09J	7.09
B-30	B30-0.5'	10/8/16	0.5	4.10J	6.25
B-31	B31-0.5'	10/8/16	0.5	36.3	5.02
B-32	B32-0.5'	10/8/16	0.5	20.9	6.96
B-33	B33-0.5'	10/8/16	0.5	41.7	7.76
B-34	B34-0.5'	10/8/16	0.5	4.76J	9.43
B-35	B35-0.5'	10/8/16	0.5	10.5	6.43
B-36	B36-0.5'	10/8/16	0.5	3.88J	15.7
	B36-1.5'	10/8/16	1.5	--	6.29
B36-E5	B36-E5-0.5'	11/5/16	0.5	--	45.4
	B36-E5-1.5'	11/5/16	1.5	--	7.65

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		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B36-E10	B36-E10-0.5'	11/5/16	0.5	--	42.1
	B36-E10-1.5'	11/5/16	1.5	--	5.87
B36-E15	B36-E15-0.5'	12/3/16	0.5	--	6.60
B36-S5	B36-S5-0.5'	11/5/16	0.5	--	45.2
	B36-S5-1.5'	11/5/16	1.5	--	8.60
B36-W5	B36-W5-0.5'	11/5/16	0.5	--	24.6
	B36-W5-1.5'	11/5/16	1.5	--	39.0
	B36-W5-2.5'	11/5/16	2.5	--	5.84
B36-W10	B36-W10-0.5'	11/5/16	0.5	--	54.1
	B36-W10-1.5'	11/5/16	1.5	--	7.29
B36-W15	B36-W15-0.5'	12/3/16	0.5	--	24.7
	B36-W15-1.5'	12/3/16	1.5	--	<2.5
B36-W20	B36-W20-0.5'	12/3/16	0.5	--	26.4
	B36-W20-1.5'	12/3/16	1.5	--	<2.5
B36-W25	B36-W25-0.5'	12/27/16	0.5	--	<2.5
B-37	B37-0.5'	10/8/16	0.5	3.10J	<0.5
B-38	B38-0.5'	10/8/16	0.5	9.13	1.99J
B-39	B39-0.5'	10/8/16	0.5	3.06J	<0.5
B-40	B40-0.5'	10/8/16	0.5	2.81J	1.02J
B-41	B41-0.5'	10/8/16	0.5	4.82J	0.882J
	DUP-4	10/8/16	0.5	2.87J	1.34J
B-42	B42-0.5'	10/8/16	0.5	4.41J	1.38J
B-43	B43-0.5'	10/8/16	0.5	7.42	9.54
B-44	B44-0.5'	10/8/16	0.5	7.27	1.99J
	DUP-5	10/8/16	0.5	4.97J	2.22J
B-45	B45-0.5'	10/9/16	0.5	2.72J	<0.5
B-46	B46-0.5'	10/1/16	0.5	4.30J	6.55
B-47	B47-0.5'	10/1/16	0.5	6.30	6.31
B-48	B48-0.5'	10/1/16	0.5	12.4	52.8
	B48-1.5'	10/1/16	1.5	--	5.79
B48-E4	B48-E4-0.5'	11/5/16	0.5	--	23.6
	B48-E4-1.5'	11/5/16	1.5	--	7.38
B48-N5	B48-N5-0.5'	11/5/16	0.5	--	8.15

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1/17/17

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		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B48-S5	B48-S5-0.5'	11/5/16	0.5	--	15.5
	B48-S5-1.5'	11/5/16	1.5	--	5.96
B48-S10	B48-S10-0.5'	11/5/16	0.5	--	21.2
	B48-S10-1.5'	11/5/16	1.5	--	8.09
B48-S15	B48-S15-0.5'	12/3/16	0.5	--	10.4
B-49	B49-0.5'	10/2/16	0.5	6.03	4.64J
B-50	B50-0.5'	10/1/16	0.5	6.99	8.36
	DUP-6	10/1/16	0.5	6.25	9.12
B-51	B51-0.5'	10/2/16	0.5	3.25J	4.28J
B-52	B52-0.5'	10/2/16	0.5	22.7	6.04
B-53	B53-0.5'	10/2/16	0.5	6.43	3.89J
B-54	B54-0.5'	10/2/16	0.5	26.5	6.84
B-55	B55-0.5'	10/2/16	0.5	12.0	6.83
B-56	B56-0.5'	10/2/16	0.5	3.05J	<0.5
	DUP-7	10/2/16	0.5	2.58J	<0.5
B-57	B57-0.5'	10/2/16	0.5	25.3	6.87
B-58	B58-0.5'	10/2/16	0.5	2.46J	<0.5
B-59	B59-0.5'	10/2/16	0.5	7.33	4.59J
B-60	B60-0.5'	10/2/16	0.5	11.6	4.71J
B-61	B610.5'	10/1/16	0.5	30.4	2.23J
B-62	B62-0.5'	10/1/16	0.5	14.3	<0.5
B-63	B63-0.5'	10/1/16	0.5	3.59J	5.50
B-64	B64-0.5'	10/1/16	0.5	13.2	7.65
B-65	B65-0.5'	10/2/16	0.5	34.1	6.17
B-66	B66-0.5'	10/2/16	0.5	32.6	14.8
	B66-1.5'	10/2/16	1.5	--	7.60
B66-E5	B66-E5-0.5'	11/5/16	0.5	--	8.17
B66-S5	B66-S5-0.5'	11/5/16	0.5	--	46.3
	B66-S5-1.5'	11/5/16	1.5	--	10.8
B66-W5	B66-W5-0.5'	11/5/16	0.5	--	19.8
	B66-W5-1.5'	11/5/16	1.5	--	7.76
B66-W10	B66-W10-0.5'	11/5/16	0.5	--	20.6
	B66-W10-1.5'	11/5/16	1.5	--	6.01
B66-W15	B66-W15-0.5'	12/3/16	0.5	--	6.68

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LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B-67	B67-0.5'	10/2/16	0.5	81.5	8.63
	B67-1.5'	10/2/16	1.5	9.30	--
B67-W5	B67-W5-0.5'	11/5/16	0.5	52.6	--
B67-E13	B67-E13-0.5'	11/5/16	0.5	81.1	--
	B67-E13-1.5'	11/5/16	1.5	26.8	--
B67-E25	B67-E25-0.5'	12/3/16	0.5	26.4	--
B-68	B68-0.5'	10/2/16	0.5	10.5	7.77
	DUP-8	10/2/16	0.5	15.4	8.64
B-69	B69-0.5'	10/2/16	0.5	12.6	6.56
B-70	B70-0.5'	10/2/16	0.5	24.9	4.16J
B-71	B71-0.5'	10/1/16	0.5	12.6	<0.5
B-72	B72-0.5'	10/1/16	0.5	25.5	13.8
	B72-1.5'	10/1/16	1.5	--	7.49
B72-N4	B72-N4-0.5'	11/5/16	0.5	--	112
	B72-N4-1.5'	11/5/16	1.5	--	18.6
	B72-N4-2.5'	11/5/16	2.5	--	6.49
B-73	B73-0.5'	10/1/16	0.5	8.55	6.92
B-74	B74-0.5'	10/1/16	0.5	7.10	5.58
B-75	B75-0.5'	10/1/16	0.5	4.77J	5.41
	DUP-9	10/1/16	0.5	6.80	4.99J
B-76	B76-0.5'	10/2/16	0.5	5.46	5.98
B-77	B77-0.5'	10/2/16	0.5	8.86	<0.5
B-78	B78-0.5'	10/2/16	0.5	43.1	4.74J
B-79	B79-0.5'	10/1/16	0.5	3.74J	53.3
	B79-1.5'	10/1/16	1.5	--	6.80
B79-N5	B79-N5-0.5'	11/5/16	0.5	--	26.9
	B79-N5-1.5'	11/5/16	1.5	--	6.20
B79-S5	B79-S5-0.5'	11/5/16	0.5	--	34.3
	B79-S5-1.5'	11/5/16	1.5	--	7.11
B79-W3	B79-W3-0.5'	11/5/16	0.5	--	51.8
	B79-W3-1.5'	11/5/16	1.5	--	6.87
B-80	B80-0.5'	10/2/16	0.5	3.23J	5.62
B-81	B81-0.5'	10/8/16	0.5	8.23	7.08

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B-82	B82-0.5'	10/2/16	0.5	10.8	7.77
	DUP-10	10/2/16	0.5	12.2	10.5
B-83	B83-0.5'	10/1/16	0.5	23.7	10.6
B-84	B84-0.5'	10/2/16	0.5	6.07	<0.5
B-85	B85-0.5'	10/2/16	0.5	4.42J	7.56
B-86	B86-0.5'	10/2/16	0.5	42.6	2.24J
B-87	B87-0.5'	10/1/16	0.5	24.7	7.38
B-88	B88-0.5'	10/1/16	0.5	79.5	63.4
	B88-1.5'	10/1/16	1.5	--	4.49J
B88-E5	B88-E5-0.5'	11/5/16	0.5	--	6.39
B88-W5	B88-W5-0.5	11/5/16	0.5	--	9.05
B-89	B89-0.5'	10/2/16	0.5	8.37	9.66
B-90	B90-0.5'	10/8/16	0.5	4.71J	49.3
	B90-1.5'	10/8/16	1.5	--	4.05J
B90-E5	B90-E5-0.5'	11/6/16	0.5	--	242
	B90-E5-1.5'	11/6/16	1.5	--	3.63J
B90-E10	B90-E10-0.5'	11/6/16	0.5	--	13.2
	B90-E10-1.5'	11/6/16	1.5	--	<2.5
B90-E15	B90-E15-0.5'	12/3/16	0.5	--	85.2
	B90-E15-1.5'	12/3/16	1.5	--	<2.5
B90-N5	B90-N5-0.5'	11/6/16	0.5	--	104
	B90-N5-1.5'	11/6/16	1.5	--	3.72J
B90-N10	B90-N10-0.5'	11/6/16	0.5	--	5.15
B90-S5	B90-S5-0.5'	11/6/16	0.5	--	16.3
	B90-S5-1.5'	11/6/16	1.5	--	2.85J
B90-S10	B90-S10-0.5'	11/6/16	0.5	--	<2.5
B90-W5	B90-W5-0.5'	11/6/16	0.5	--	10.4
B-91	B91-0.5'	10/9/16	0.5	27.1	8.12
B-92	B92-0.5'	10/9/16	0.5	17.2	3.03J
B-93	B93-0.5'	10/9/16	0.5	24.3	4.18J
B-94	B94-0.5'	10/8/16	0.5	336	8.34
	B94-1.5'	10/8/16	1.5	3.48J	--
B94-E5	B94-E5-0.5'	11/6/16	0.5	61.6	--

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B94-N5	B94-N5-0.5'	11/6/16	0.5	146	--
	B94-N5-1.5'	11/6/16	1.5	5.63	--
B94-N9	B94-N9-0.5'	11/6/16	0.5	103	--
	B94-N9-1.5'	11/6/16	1.5	11.7	--
B94-N12	B94-N12-0.5'	12/3/16	0.5	12.5	--
B94-S5	B94-S5-0.5'	11/6/16	0.5	6.21	--
B94-W2.5	B94-W2.5-0.5'	11/6/16	0.5	4.27J	--
B-95	B95-0.5'	10/9/16	0.5	25.5	2.80J
B-96	B96-0.5'	10/9/16	0.5	7.05	<0.5
B-97	B97-0.5'	10/9/16	0.5	9.02	3.37J
B-98	B98-0.5'	10/9/16	0.5	15.3	3.73J
B-99	B99-0.5'	10/9/16	0.5	10.1	<0.5
B-100	B100-0.5'	10/8/16	0.5	1.69J	2.57J
B-101	B101-0.5'	10/9/16	0.5	29.1	6.04
B-102	B102-0.5'	10/9/16	0.5	17.0	3.98J
B-103	B103-0.5'	10/9/16	0.5	24.6	8.20
B-104	B104-0.5'	10/8/16	0.5	24.7	5.83
B-105	B105-0.5'	10/9/16	0.5	6.00	14.2
	B105-1.5'	10/9/16	1.5	--	8.88
B105-E3	B105-E3-0.5'	11/6/16	0.5	--	5.01
B105-N5	B105-N5-0.5'	11/6/16	0.5	--	4.29J
B105-S5	B105-S5-0.5'	11/6/16	0.5	--	2.90J
B105-W5	B105-W5-0.5'	11/6/16	0.5	--	4.01J
B-106	B106-0.5'	10/9/16	0.5	18.3	4.67J
B-107	B107-0.5'	10/9/16	0.5	17.7	5.87
B-108	B108-0.5'	10/9/16	0.5	12.8	2.22J
B-109	B109-0.5'	10/9/16	0.5	20.2	3.12J
	DUP-11	10/9/16	0.5	16.5	2.36J
B-110	B110-0.5'	10/9/16	0.5	30.1	7.07
B-111	B111-0.5'	10/9/16	0.5	8.81	2.22J
B-112	B112-0.5'	10/9/16	0.5	12.1	5.15
B-113	B113-0.5'	10/9/16	0.5	16.7	10.3
B-114	B114-0.5'	10/9/16	0.5	40.2	29.4
	B114-1.5'	10/9/16	1.5	--	8.00

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B114-E5	B114-E5-0.5'	11/6/16	0.5	--	24.8
	B114-E5-1.5'	11/6/16	1.5	--	6.10
B114-E10	B114-E10-0.5'	11/6/16	0.5	--	24.7
	B114-E10-1.5'	11/6/16	1.5	--	5.46
B114-E15	B114-E15-0.5'	12/3/15	0.5	--	23.2
	B114-E15-1.5'	12/3/15	1.5	--	7.61
B114-E20	B114-E20-0.5'	12/3/16	0.5	--	11.4
B114-N5	B114-N5-0.5'	11/6/16	0.5	--	19.5
	B114-N5-1.5'	11/6/16	1.5	--	8.79
B114-N10	B114-N10-0.5'	11/6/16	0.5	--	11.7
B114-S5	B114-S5-0.5'	11/6/16	0.5	--	13.0
	B114-S5-1.5'	11/6/16	0.5	--	7.97
B114-S10	B114-S10-0.5'	11/6/16	0.5	--	27.1
	B114-S10-1.5'	11/6/16	1.5	--	7.57
B114-S15	B114-S15-0.5'	12/3/16	0.5	--	6.15
B-115	B115-0.5'	10/9/16	0.5	18.2	11.5
B-116	B116-0.5'	10/9/16	0.5	7.68	10.2
B-117	B117-0.5'	10/9/16	0.5	18.0	9.87
B-118	B118-0.5'	10/9/16	0.5	7.59	9.53
B-119	B119-0.5'	10/9/16	0.5	10.5	3.05J
B-120	B120-0.5'	10/1/16	0.5	87.7	7.51
	B120-1.5'	10/1/16	1.5	14.6	--
B120-E5	B120-E5-0.5'	11/6/16	0.5	56.3	--
B120-N3	B120-N3-0.5'	11/6/16	0.5	16.2	--
B120-S5	B120-S5-0.5'	11/6/16	0.5	36.7	--
B120-W5	B120-W5-0.5'	11/6/16	0.5	83.2	--
	B120-W5-1.5'	11/6/16	1.5	16.8	--
B120-W10	B120-W10-0.5'	11/6/16	0.5	83.7	--
	B120-W10-1.5'	11/6/16	1.5	24.4	--
B120-W15	B120-W15-0.5'	12/3/16	0.5	22.6	--
B-121	B121-0.5'	10/1/16	0.5	16.3	7.41
B-122	B122-0.5'	10/1/16	0.5	32.6	5.53

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
B-123	B123-0.5'	10/1/16	0.5	44.5	7.90
	DUP-12	10/1/16	0.5	102	6.43
	B123-1.5'	10/1/16	1.5	4.43J	--
B123-N5	B123-N5-0.5'	11/6/16	0.5	64.7	--
B123-S5	B123-S5-0.5'	11/6/16	0.5	38.5	--
B123-W5	B123-W5-0.5'	11/6/16	0.5	33.1	--
B-124	B124-0.5'	10/1/16	0.5	39.5	10.7
B-125	B125-0.5'	10/1/16	0.5	73.0	4.99J
B-126	B126-0.5'	10/1/16	0.5	43.3	5.01
	DUP-13	10/1/16	0.5	37.0	5.66
B-127	B127-0.5'	10/1/16	0.5	50.3	4.21J
B-128	B128-0.5'	10/1/16	0.5	53.2	5.56
B-129	B129-0.5'	10/1/16	0.5	19.0	5.86
B-130	B130-0.5'	10/1/16	0.5	34.7	5.32
B-131	B131-0.5'	10/2/16	0.5	4.26J	6.15
B-132	B132-0.5'	10/2/16	0.5	26.4	4.92J
B-133	B133-0.5'	10/1/16	0.5	11.3	6.08
B-134	B134-0.5'	10/1/16	0.5	47.7	6.98
B-135	B135-0.5'	10/1/16	0.5	21.0	8.48
B-136	B136-0.5'	10/1/16	0.5	23.7	5.31
B-137	B137-0.5'	10/1/16	0.5	12.8	4.41J
	DUP-14	10/1/16	0.5	9.04	4.52J
B-138	B138-0.5'	10/1/16	0.5	21.0	6.66
SEISMIC MODERNIZATION PROJECT PEA					
W-B1	W-B1-0.5	1/7/16	0.5	14.2	24
	W-B1-1.5	1/7/16	1.5	21	7.0
	W-B1-2.5	1/7/16	2.5	12	--
W-B1-5W	W-B1-5W-0.5	3/22/16	0.5	--	91
	W-B1-5W-1.5	3/22/16	1.5	--	5.8
W-B1-8W	W-B1-8W-0.5	3/22/16	0.5	--	55
	W-B1-8W-1.5	3/22/16	1.5	--	7.0
W-B1-5E	W-B1-5E-0.5	3/22/16	0.5	--	100
	W-B1-5E-1.5	3/22/16	1.5	--	6.4

TABLE 3
ANALYTICAL RESULTS FOR LEAD AND ARSENIC IN SOIL
LAUSD Venice High School CMP
1/17/17

Location	Sample ID	Sample Date	Sample Depth	Lead	Arsenic
		Units	**ft bgs**	mg/kg	mg/kg
		USEPA Test Method	--	6010B	6010B
		Screening Level	--	80	12
W-B1-10E	W-B1-10E-0.5	3/22/16	0.5	--	23
	W-B1-10E-1.5	3/22/16	1.5	--	6.2
W-B1-5N	W-B1-5N-0.5	3/22/16	0.5	--	23
	W-B1-5N-1.5	3/22/16	1.5	--	5.9
W-B2	W-B2-0.5	1/7/16	0.5	13	7.7
	W-B2-1.5	1/7/16	1.5	26.6	--
	W-B2-2.5	1/7/16	2.5	16.7	--
W-B3	W-B3-0.5	1/7/16	0.5	52 [(a)]	10
	W-B3-1.5	1/7/16	1.5	19.4	--
	W-B3-2.5	1/7/16	2.5	19.3	--
	DUP1	1/7/16	2.5	21.2	--
W-B4	W-B4-0.5	1/7/16	0.5	15	12
	W-B4-1.5	1/7/16	1.5	9	9.8
	W-B4-2.5	1/7/16	2.5	4	--
W-B4-5W	W-B4-5W-0.5	3/21/16	0.5	--	8.2
W-B4-10W	W-B4-10W-0.5	3/21/16	0.5	--	16
	W-B4-10W-1.5	3/21/16	1.5	--	9.6
W-B4-5S	W-B4-5S-0.5	3/21/16	0.5	--	13
	W-B4-5S-1.5	3/21/16	1.5	--	6.8
W-B4-10S	W-B4-10S-0.5	3/21/16	0.5	--	17
	W-B4-10S-1.5	3/21/16	1.5	--	12
W-B4-15S	W-B4-15S-0.5'	11/5/16	0.5		8.57
W-B4-5E	W-B4-5E-0.5	3/21/16	0.5	--	8.4
	DUP-3A	3/21/16	0.5	--	8.9
W-B4-10E	W-B4-10E-0.5	3/21/16	0.5	--	1.2

Notes:

1. Lead analyzed by XRF during Seismic Modernization Project PEA
2. Arsenic analyzed by USEPA Method 6020 during Seismic Modernization Project PEA

[(a)] Confirmed as 69 mg/kg by stationary laboratory using USEPA Method 6010B

ft bgs = feet below ground surface

mg/kg = milligrams/kilogram

"--" = not analyzed

Concentration exceeds screening level

Step-out boring

TABLE 10
STEP-OUT BORING SUMMARY
LAUSD Venice High School CMP
1/17/17

Boring Location	COC	Conc. (mg/kg)	Step-outs			Comment
			No.	Direction	Distance(s)	
B-2	Arsenic	55.2	4	N	5', 10', 15', 20'	No restrictions beyond
			0	E	--	Rectangular anomaly at 1.5'
			0	S	--	Utility at 3'
			0	W	--	Building wall at 2'
B-3	Arsenic	299	0	N	--	Building wall at 2'
	Lead	127	2	E	5', 10'	Utility at 11'
			2	S	5', 10'	Utility at 12'
			2	W	3', 7.5'	Patched pavement in between step-outs; utility at 8.5'
B-14	Lead	130	1	N	5'	Utility at 6'
			0	E	--	Block wall at 2.5'
			2	S	5', 10'	No restrictions beyond
			0	W	--	Building wall at 2.5'
B-16	Arsenic	23	0	N	--	ADA stair ramp at 1.5'
			1	E	5'	Stepped out from south boring, not original; no restrictions beyond
			1	S	5'	Fence at 5', then asphalt pavement for bleachers
			1	W	5'	Stepped out from south boring, not original; no restrictions beyond
B-36	Arsenic	15.7	0	N	--	Bleachers at 2'
			4	E	5', 10', 15', 20'	No restrictions beyond
			1	S	5'	Fence at 6', then athletic track at 7'
			8	W	5', 10', 15', 20', 25', 30', 35', 40'	No restrictions beyond

TABLE 10
STEP-OUT BORING SUMMARY
LAUSD Venice High School CMP
1/17/17

Boring Location	COC	Conc. (mg/kg)	Step-outs			Comment
			No.	Direction	Distance(s)	
B-48	Arsenic	52.8	2	N	5', 10'	Stairs at 11'
			1	E	4'	Utility at 5.5'
			3	S	5', 10', 15'	Stairs at 16'
			0	W	--	Building wall at 2'
B-66	Arsenic	14.8	0	N	--	Building wall at 2'
			2	E	5', 10'	No restrictions beyond
			1	S	5'	Stepped over concrete walkway; fence at 8'; hedge beyond
			3	W	5', 10', 15'	Stairs at 18'
B-67	Lead	81.5	0	N	--	Building wall at 2'
			2	E	13', 25'	Hedge opening; next opening at 33'; length of planter is 48'
			0	S	--	Retaining wall at 2.5'; 14' wide grassy area beyond
			1	W	7'	Concrete entryway adjacent to raised bed at 8'
B-72	Arsenic	13.8	1	N	4'	Utility at 5.5'
			0	E	--	Utility at 1.5'
			0	S	--	Building wall at 2'
			0	W	--	Utility at 1.5'
B-79	Arsenic	53.3	1	N	5'	Utility at 6'
			0	E	--	Building wall at 2'
			1	S	5'	Utility at 8'
			1	W	3'	Utility at 4'
B-88	Arsenic	63.4	0	N	--	Building wall at 2'
			1	E	5'	Utility at 6.5'
			0	S	--	Utility trench at 2.5'
			2	W	5', 10'	No restrictions beyond

TABLE 10
STEP-OUT BORING SUMMARY
LAUSD Venice High School CMP
1/17/17

Boring Location	COC	Conc. (mg/kg)	Step-outs			Comment
			No.	Direction	Distance(s)	
B-90	Arsenic	49.3	2	N	5', 10'	Fence at 20'; paved area beyond
			3	E	5', 10', 15'	Track starts at 17'
			2	S	5', 10'	Track starts at 16'
			2	W	5', 10'	No restrictions beyond
B-94	Lead	336	4	N	5', 9', 12', 16'	Fence at 10'; bare soil area in front of gym beyond
			1	E	5'	Utility at 7.5'; fence at 15'; bare soil area beyond
			2	S	5', 10'	Utility at 22'
			1	W	2.5'	Utility at 3.5'
B-105	Arsenic	14.2	2	N	5', 10'	Fence at 15'; paved area fronting bleachers beyond
			1	E	3'	Irrigation line at 4.5'
			2	S	5', 10'	No restrictions beyond
			2	W	5', 10'	No restrictions beyond
B-114	Arsenic	29.4	2	N	5', 10'	Utility at 19'
			4	E	5', 10', 15', 20'	No restrictions beyond
			4	S	5', 10', 15', 20'	No restrictions beyond
			0	W	--	Utility at 2.5'
B-120	Lead	87.7	1	N	3'	Fence at 4'; paved dug-out beyond
			1	E	5'	Utility at 7'
			2	S	5', 10'	No restrictions beyond
			4	W	5', 10', 15', 20'	No restrictions beyond
B-123	Lead	102	2	N	5', 10'	No restrictions beyond
			0	E	--	Utility at 3.5'
			2	S	5', 10'	No restrictions beyond
			2	W	5', 10'	No restrictions beyond

TABLE 10
STEP-OUT BORING SUMMARY
LAUSD Venice High School CMP
1/17/17

Boring Location	COC	Conc. (mg/kg)	Step-outs			Comment
			No.	Direction	Distance(s)	
B-141	Lead	115	0	N	--	No step-outs in metal shop
			0	E	--	Building will not be demolished
			0	S	--	(per Dane Robinson on 11/4/16)
			0	W	--	
W-B1	Arsenic	100	1	N	5'	Utility 2' beyond W-B1-5N
			2	E	5', 10'	ADA stair ramp 3' beyond W-B1-10E
			0	S	--	Building wall to south
			2	W	5', 8'	Utility 0.5' beyond W-B1-8W
W-B4	Arsenic	17	0	N	--	Building wall to north
			2	E	5', 10'	Clean boring already done at W-B4-5E
			3	S	5', 10', 15'	5' south of W-B4-10S; utility at 23'
			2	W	5', 10'	Utility 4' beyond W-B4-10W
		Total	111			

TABLE 11
ESTIMATED SOIL REMOVAL VOLUMES
LAUSD Venice High School CMP
1/17/17

Soil Removal Area	COC	Areal Dimensions (ft)	Area (sq ft)	Depth (ft)	Volume (cu yd)	Waste Type
B-2	Arsenic	18 x 3.5	63	1.5	3.5	Non-hazardous
B-3	Arsenic Only	(14 x 14) - (8 x 7)	140	1.5	7.8	Non-hazardous
	Lead + Arsenic	8 x 7	56	1.5	3.1	Non-hazardous
B-14	Lead	11 x 5	55	2.5	5.1	Non-hazardous
B-16	Arsenic	(3.5 x 3.5) + (6.5 x 3) + (3.5 x 1.5)	37	1.5	2.1	Non-hazardous
B-36	Arsenic	(15 x 8) + (15 x 8)	240	1.5	13.3	Non-hazardous
		10 x 8	80	2.5	7.4	Non-hazardous
B-48	Arsenic	20 x 7.5	150	1.5	8.3	Non-hazardous
B-66	Arsenic	20 x 10	200	1.5	11.1	Non-hazardous
B-67	Lead	28 x 3	84	1.5	4.7	Non-hazardous
B-72	Arsenic	7.5 x 3	22.5	2.5	2.1	Non-hazardous
B-79	Arsenic	14 x 6	84	1.5	4.7	Non-hazardous
B-88	Arsenic	10 x 4.5	45	1.5	2.5	Non-hazardous
B-90	Arsenic	20 x 20	400	1.5	22.2	Non-hazardous
B-94	Lead	17 x 10	170	1.5	9.4	Non-RCRA Hazardous
B-105	Arsenic	8 x 10	80	1.5	4.4	Non-hazardous
B-114	Arsenic	25 x 22.5	562.5	1.5	31.3	Non-hazardous
B-120	Lead	20 x 8	160	1.5	8.9	Non-hazardous
B-123	Lead	10 x 8.5	85	1.5	4.7	Non-hazardous
WB-1	Arsenic	21.5 x 9	193.5	1.5	10.8	Non-hazardous
WB-4	Arsenic	19 x 17	323	1.5	17.9	Non-hazardous
				Total Soil Removal Volume	185.3	
				Total Non-hazardous	175.9	
				Total Non-RCRA Hazardous	9.4	

Attachment A. Laboratory Reports

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Ordered By

Placeworks
700 S Flower St Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attention: Carl Lotzgesell

Number of Pages	**7**
Date Received	**12/05/2016**
Date Reported	**12/08/2016**

Job Number	Order Date	Client
85633	12/05/2016	PLACE

Project ID: LASD1-27
Project Name: Venice High School
Site: Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Enclosed please find results of analyses of 7 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

Sheet 1 of 6.

85633

PLACEWORKS

700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

CONTACT PERSON(S): Carl Lotzgesell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LA501-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd., Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)	Archive	NOTES
B120-W15-0.5'		12/3/16	0742	Soil	1	Ice		X			85633.01
B120-W15-1.5'			0743							X	85633.02
B120-W15-2.5'			0744							X	85633.03
B120-W20-0.5'			0803							X	85633.04
B120-W20-1.5'			0804							X	85633.05
B120-W20-2.5'			0805							X	85633.06
B114-S20-0.5'			0821						X/6	X	85633.07
B114-S20-1.5'			0823							X	85633.08
B114-S20-2.5'			0825							X	85633.09
B114-S15-0.5'			0833						X		85633.10

ANALYSIS REQUESTED

TURNAROUND TIME: NORMAL / RUSH 24hr *

COMMENTS (Precautions/Hazards/Field Conditions)

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM / PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:00 AM / PM
RELEASED to		Carl Lotzgesell	Placeworks	12/3/16	1:00 AM / PM
RELEASED to		Jim Lin	AETL	12/5/16	25 AM / PM
RECEIVED by LABORATORY		Antin	AETL	12/05/16	1015 AM / PM

CHAIN OF CUSTODY RECORD

Sheet 2 of 6

85633

PLACEWORKS
700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

CONTACT PERSON(S): Carl Lehrgerell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LASD1-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd., Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)			Archive								NOTES
B114-S15-1.5'		12/3/16	0835	Soil	1	ice						X								85633.11
B114-S15-2.5'			0838									X								85633.12
B114-E15-0.5'			0846						X											85633.13
B114-E15-1.5'			0848						*			X								85633.14
B114-E15-2.5'			0850									X								85633.15
B114-E20-0.5'			0852						*			X								85633.16
B114-E20-1.5'			0855									X								85633.17
B114-E20-2.5'			0856									X								85633.18
B2-N15-0.5'			0917						X											85633.19
B2-N15-1.5'		↓	0919	↓	↓	↓						X								85633.20

ANALYSIS REQUESTED

TURNAROUND TIME
NORMAL
RUSH 24 hr *

COMMENTS (Precautions/Hazards/Field Conditions)
* Added 12/7/16 24 hr TAT
Christie

NOTES

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:00 AM PM
RELEASED to		Carl Lehrgell	Place Works	12/3/16	1:00 AM PM
RELEASED to		Jim Lin	AETL	12/5/16	755 AM PM
RECEIVED by LABORATORY		Antin	AETL	12/05/16	1015 AM PM

CHAIN OF CUSTODY RECORD

Sheet 3 of 6.

85633

PLACEWORKS

700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

CONTACT PERSON(S): Carl Lotzgerell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LAUSD 1-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd., Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)	Archive	NOTES
B2-N15-2.5'		12/3/16	0923	soil	1	ice				X	85633.21
B2-N20-0.5'			0925							X	85633.22
B2-N20-1.5'			0926							X	85633.23
B2-N20-2.5'			0928							X	85633.24
B94-N18-0.5'			1006							X	85633.25
B94-N18-1.5'			1008							X	85633.26
B94-N18-2.5'			1009							X	85633.27
B94-N12-0.5'			1011					X			85633.28
B94-N12-1.5'			1012							X	85633.29
B94-N12-2.5'			1013							X	85633.30

ANALYSIS REQUESTED

TURNAROUND TIME: NORMAL / RUSH 24 hr *

COMMENTS (Precautions/Hazards/Field Conditions)

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM / PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:00 AM / PM
RELEASED to		Carl Lotzgerell	Place Works	12/3/16	1:00 AM / PM
RELEASED to		Jim Ly	AETL	12/5/16	755 AM / PM
RECEIVED by LABORATORY		Arjin	AETL	12/05/16	1015 AM / PM

Christine Novshadayan

From: Carl Lotzgesell [clotzgesell@placeworks.com]
Sent: Wednesday, December 07, 2016 6:45 AM
To: Jim Lin; christine@aetlab.com
Cc: William Hass; Mike Watson
Subject: Venice HS Followup Annalysis
Attachments: Copy of 85634-so_6010b_lead.xls

Jim,

Can you please check the attached, I believe it's a typo and the sample ID should be as shown in red on the attached B67-E25-0.5 (AETL Job No. 85634).

We would like you to conduct follow-up on the archived samples as shown below. AETL job Nos. in parentheses. All analyses should be 24-hour TAT.

Arsenic by USEPA Method 6010B:

B114-E15-1.5' (85633)
B114-E20-0.5' (85633)
B90-E15-1.5' (85634)
B36-W15-1.5' (85634)
B36-W20-0.5' (85634)

Please confirm receipt of this e-mail, and ASAP let me know about the sample ID in red.

Thank you,
Carl

CARL W. LOTZGESELL, CSST
Associate Geologist

700 S. Flower Street, Suite 600, Los Angeles, CA 90017
213.623.1443 | Mobile 310.989.2815
clotzgesell@placeworks.com | placeworks.com

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Los Angeles, CA 90017-

Telephone: (310)670-9221
Attention: Carl Lotzgesell

Project ID: LASD1-27
Date Received 12/05/2016
Date Reported 12/08/2016

Job Number	Order Date	Client
85633	12/05/2016	PLACE

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 30 samples with the following specification on 12/05/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85633.01	B120-W15-0.5'	12/03/2016	Soil	1
85633.28	B94-N12-0.5'	12/03/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	12/06/2016	2	Rush	mg/Kg

85633.02	B120-W15-1.5'	12/03/2016	Soil	1
85633.03	B120-W15-2.5'	12/03/2016	Soil	1
85633.04	B120-W20-0.5'	12/03/2016	Soil	1
85633.05	B120-W20-1.5'	12/03/2016	Soil	1
85633.06	B120-W20-2.5'	12/03/2016	Soil	1
85633.07	B114-S20-0.5'	12/03/2016	Soil	1
85633.08	B114-S20-1.5'	12/03/2016	Soil	1
85633.09	B114-S20-2.5'	12/03/2016	Soil	1
85633.11	B114-S15-1.5'	12/03/2016	Soil	1
85633.12	B114-S15-2.5'	12/03/2016	Soil	1
85633.15	B114-E15-2.5'	12/03/2016	Soil	1
85633.17	B114-E20-1.5'	12/03/2016	Soil	1
85633.18	B114-E20-2.5'	12/03/2016	Soil	1
85633.20	B2-N15-1.5'	12/03/2016	Soil	1
85633.21	B2-N15-2.5'	12/03/2016	Soil	1
85633.22	B2-N20-0.5'	12/03/2016	Soil	1
85633.23	B2-N20-1.5'	12/03/2016	Soil	1
85633.24	B2-N20-2.5'	12/03/2016	Soil	1
85633.25	B94-N18-0.5'	12/03/2016	Soil	1
85633.26	B94-N18-1.5'	12/03/2016	Soil	1
85633.27	B94-N18-2.5'	12/03/2016	Soil	1

Continued

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Attention: Carl Lotzgesell

Project ID: LASD1-27
Date Received 12/05/2016
Date Reported 12/08/2016

Job Number	Order Date	Client
85633	12/05/2016	PLACE

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

85633.29	B94-N12-1.5'	12/03/2016	Soil			1
85633.30	B94-N12-2.5'	12/03/2016	Soil			1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	12/06/2016	2	Rush	--

85633.10	B114-S15-0.5'	12/03/2016	Soil			1
85633.13	B114-E15-0.5'	12/03/2016	Soil			1
85633.14	B114-E15-1.5'	12/03/2016	Soil			1
85633.16	B114-E20-0.5'	12/03/2016	Soil			1
85633.19	B2-N15-0.5'	12/03/2016	Soil			1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010BSCAN) ^ AS	12/06/2016	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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ANALYTICAL RESULTS

Ordered By

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Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **2**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1205162C1

Our Lab I.D.			Method Blank	85633.01	85633.28		
Client Sample I.D.				B120-W15-0.5'	B94-N12-0.5'		
Date Sampled				12/03/2016	12/03/2016		
Date Prepared			12/05/2016	12/05/2016	12/05/2016		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			12/06/2016	12/06/2016	12/06/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Lead	2.5	5.0	ND	22.6	12.5		

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ANALYTICAL RESULTS

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Site

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13000 Venice Blvd.
Los Angeles, CA 90066

Page: **3**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1205162C1

Our Lab I.D.			Method Blank	85633.10	85633.13	85633.19	
Client Sample I.D.				B114-S15-0.5'	B114-E15-0.5'	B2-N15-0.5'	
Date Sampled				12/03/2016	12/03/2016	12/03/2016	
Date Prepared			12/05/2016	12/05/2016	12/05/2016	12/05/2016	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			12/06/2016	12/06/2016	12/06/2016	12/06/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Arsenic	2.5	5.0	ND	6.15	23.2	10.5	

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ANALYTICAL RESULTS

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Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **4**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1207162C1

Our Lab I.D.			Method Blank	85633.14	85633.16		
Client Sample I.D.				B114-E15-1.5 '	B114-E20-0.5 '		
Date Sampled				12/03/2016	12/03/2016		
Date Prepared			12/07/2016	12/07/2016	12/07/2016		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			12/07/2016	12/07/2016	12/07/2016		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Arsenic	2.5	5.0	ND	7.61	11.4		

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QUALITY CONTROL RESULTS

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Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	**22.6**	**50.0**	**64.1**	**83.0**	**50.0**	**64.5**	**83.8**	**<1**	**75-125**	**<15**

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	**50.0**	**52.0**	**104**	**50.0**	**51.6**	**103**	**<1**	**75-125**	**<15**	

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QUALITY CONTROL RESULTS

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Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**4.11**	**50.0**	**51.6**	**95.0**	**50.0**	**51.2**	**94.2**	**<1**	**75-125**	**<15**

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**52.4**	**105**	**50.0**	**52.3**	**105**	**<1**	**75-125**	**<15**	

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Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85633	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1207162C1; Dup or Spiked Sample: 85633.14; LCS: Clean Sand; QC Prepared: 12/07/2016; QC Analyzed: 12/07/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**7.61**	**50.0**	**54.4**	**93.6**	**50.0**	**54.6**	**94.0**	**<1**	**75-125**	**<15**

QC Batch No: 1207162C1; Dup or Spiked Sample: 85633.14; LCS: Clean Sand; QC Prepared: 12/07/2016; QC Analyzed: 12/07/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**53.0**	**106**	**50.0**	**52.5**	**105**	**<1**	**75-125**	**<15**	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Placeworks
700 S Flower St Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attention: Carl Lotzgesell

Number of Pages	**10**
Date Received	**12/05/2016**
Date Reported	**12/09/2016**

Job Number	Order Date	Client
85634	12/05/2016	PLACE

Project ID: LASD1-27
Project Name: Venice High School
Site: Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Enclosed please find results of analyses of 10 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

CHAIN OF CUSTODY RECORD

Sheet 4 of 6.

8S634

PLACEWORKS
700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

CONTACT PERSON(S): Carl Lotzgesell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LAUSD 1-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd., Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)			Archive								NOTES
B36-E20-0.5'		12/3/16	1023	Soil	1	ice						X								8S634.01
B36-E20-1.5'			1024									X								8S634.02
B36-E20-2.5'			1026									X								8S634.03
B36-E15-0.5'			1027						X											8S634.04
B36-E15-1.5'			1028									X								8S634.05
B36-E15-2.5'			1029									X								8S634.06
B36-W15-0.5'			1045						X											8S634.07
B36-W15-1.5'			1046						*			X								8S634.08
B36-W15-2.5'			1048									X								8S634.09
B36-W20-0.5'		↓	1050	↓	↓	↓			*			X								8S634.10

ANALYSIS REQUESTED

TURNAROUND TIME: NORMAL / RUSH 24 hr *

COMMENTS (Precautions/Hazards/Field Conditions)

* Added 12/07/16 24 hr TAT

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM / PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:0 AM / PM
RELEASED to		Carl Lotzgesell	Place Works	12/3/16	1:0 AM / PM
RELEASED to		Jim Lin	ACTL	12/5/16	7:55 AM / PM
RECEIVED by LABORATORY		Antin	ACTL	12/05/16	10:15 AM / PM

CHAIN OF CUSTODY RECORD

Sheet 5 of 6

PLACEWORKS

700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

85634

CONTACT PERSON(S): Carl Lotregell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LASD1-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd., Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)	Archive	NOTES
B36-W20-1.5'		12/3/16	1051	Soil	1	ice			(*)	X	85634.11
B36-W20-2.5'			1053							X	85634.12
B90-E15-0.5'			1118						X		85634.13
B90-E15-1.5'			1119						*	X	85634.14
B90-E15-2.5'			1120							X	85634.15
B48-S15-0.5'			1133						X		85634.16
B48-S15-1.5'			1134							X	85634.17
B48-S15-2.5'			1136							X	85634.18
B66-W15-0.5'			1153						X		85634.19
B66-W15-1.5'		↓	1156	↓	↓	↓				X	85634.20

ANALYSIS REQUESTED

TURNAROUND TIME

NORMAL

RUSH 24 hr *

COMMENTS

(Precautions/Hazards/ Field Conditions)

* Added 12/07/16 24 hr TAT

(*) Added 12/8 1 DAY TAT

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM/PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:00 AM/PM
RELEASED to		Carl Lotregell	Placeworks	12/3/16	1:00 AM/PM
RELEASED to		Jim Lin	AETL	12/5/16	715 AM/PM
RECEIVED by LABORATORY		Antin	AETL	12/05/16	1015 AM/PM

CHAIN OF CUSTODY RECORD

85634

PLACEWORKS
700 S. Flower Street, Suite 600
Los Angeles, California 90017-4108
Ph: 213.623.1443

CONTACT PERSON(S): Carl Lotzgesell / Bill Hass

CLIENT: LAUSD PROJECT NO.: LASD 1-27

SITE NAME: Venice High School

SITE LOCATION: 13000 Venice Blvd, Los Angeles

SAMPLING LOCATION:

SAMPLING INFORMATION:

SAMPLE ID#	LAB ID#	DATE	TIME	SAMPLE TYPE	# of CONTAINERS	PRESERVATION	OTHER	Pb (6010B)	As (6010B)			Archive								NOTES
B66-W15-2.5'		12/3/16	1159	Soil	1	ice						X								85634-21
B67-E25-0.5'			1214					X												85634-22
B67-E25-1.5'			1218									X								85634-23
B67-E25-2.5'			1225									X								85634-24

ANALYSIS REQUESTED

TURNAROUND TIME: NORMAL / RUSH 24 hr *

COMMENTS (Precautions/Hazards/Field Conditions)

NOTES

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
COLLECTED by		MIKE WATSON	PLACEWORKS	12/3/16	AM / PM
RELEASED by		MIKE WATSON	PLACEWORKS	12/3/16	1:30 AM / PM
RELEASED to		Carl Lotzgesell	PlaceWorks	12/5/16	1:00 AM / PM
RELEASED to		Jim Liu	AETL	12/5/16	755 AM / PM
RECEIVED by LABORATORY		Antin	AETL	12/05/16	1015 AM / PM

Christine Novshadayan

From: Carl Lotzgesell [clotzgesell@placeworks.com]
Sent: Wednesday, December 07, 2016 6:45 AM
To: Jim Lin; christine@aetlab.com
Cc: William Hass; Mike Watson
Subject: Venice HS Followup Annalysis
Attachments: Copy of 85634-so_6010b_lead.xls

Jim,

Can you please check the attached, I believe it's a typo and the sample ID should be as shown in red on the attached B67-E25-0.5 (AETL Job No. 85634).

We would like you to conduct follow-up on the archived samples as shown below. AETL job Nos. in parentheses. All analyses should be 24-hour TAT.

Arsenic by USEPA Method 6010B:

B114-E15-1.5' (85633)
B114-E20-0.5' (85633)
B90-E15-1.5' (85634)
B36-W15-1.5' (85634)
B36-W20-0.5' (85634)

Please confirm receipt of this e-mail, and ASAP let me know about the sample ID in red.

Thank you,
Carl

CARL W. LOTZGESELL, CSST
Associate Geologist

700 S. Flower Street, Suite 600, Los Angeles, CA 90017
213.623.1443 | Mobile 310.989.2815
clotzgesell@placeworks.com | placeworks.com

PLACEWORKS

JIM LIN

From: Carl Lotzgesell [clotzgesell@placeworks.com]
Sent: Thursday, December 8, 2016 10:47 AM
To: JIM LIN
Subject: RE: Summary Table of Results of Samples from "Venice High School, Los Angeles, CA"

Jim,

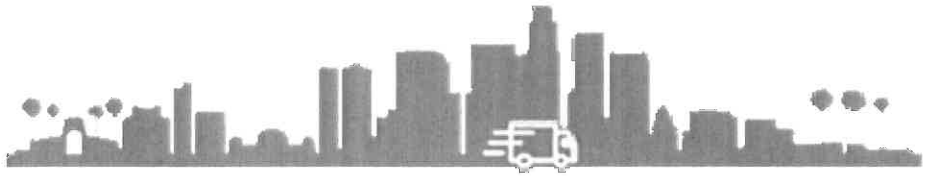
We would like you to conduct follow-up on the archived sample as shown below. AETL job Nos. in parentheses. All analyses should be 24-hour TAT.

Arsenic by USEPA Method 6010B:

B36-W20-1.5' (85634)

CARL W. LOTZGESELL, CSST
Associate Geologist

700 S. Flower Street, Suite 600, Los Angeles, CA 90017
213.623.1443 | Mobile 310.989.2815
clotzgesell@placeworks.com | placeworks.com



PLACEWORKS

WE'VE MOVED Please update your records with our new address and phone above.

From: JIM LIN [mailto:jiml@aetlab.com]
Sent: Thursday, December 08, 2016 10:35 AM
To: Carl Lotzgesell
Cc: William Hass
Subject: Summary Table of Results of Samples from "Venice High School, Los Angeles, CA"

Dear Carl & Bill,

Herewith please find Summary Table results of analysis of samples from project "Venice High School, 13000 Venice Blvd., Los Angeles, CA".

AETL Job No: 85633 & 85634

******Please let us know if you will need additional analysis from this services.******

Thank you.

Should you have additional question, please feel free to contact us.

Jim Lin

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Ordered By

Placeworks
700 S Flower St Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attention: Carl Lotzgesell

Project ID: LASD1-27
Date Received 12/05/2016
Date Reported 12/09/2016

Job Number	Order Date	Client
85634	12/05/2016	PLACE

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 24 samples with the following specification on 12/05/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85634.01	B36-E20-0.5'	12/03/2016	Soil	1
85634.02	B36-E20-1.5'	12/03/2016	Soil	1
85634.03	B36-E20-2.5'	12/03/2016	Soil	1
85634.05	B36-E15-1.5'	12/03/2016	Soil	1
85634.06	B36-E15-2.5'	12/03/2016	Soil	1
85634.09	B36-W15-2.5'	12/03/2016	Soil	1
85634.12	B36-W20-2.5'	12/03/2016	Soil	1
85634.15	B90-E15-2.5'	12/03/2016	Soil	1
85634.17	B48-S15-1.5'	12/03/2016	Soil	1
85634.18	B48-S15-2.5'	12/03/2016	Soil	1
85634.20	B66-W15-1.5'	12/03/2016	Soil	1
85634.21	B66-W15-2.5'	12/03/2016	Soil	1
85634.23	B67-E25-1.5'	12/03/2016	Soil	1
85634.24	B67-E25-2.5'	12/03/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	12/06/2016	2	Rush	--

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85634.04	B36-E15-0.5'	12/03/2016	Soil	1
85634.07	B36-W15-0.5'	12/03/2016	Soil	1
85634.08	B36-W15-1.5'	12/03/2016	Soil	1
85634.10	B36-W20-0.5'	12/03/2016	Soil	1
85634.11	B36-W20-1.5'	12/03/2016	Soil	1
85634.13	B90-E15-0.5'	12/03/2016	Soil	1
85634.14	B90-E15-1.5'	12/03/2016	Soil	1
85634.16	B48-S15-0.5'	12/03/2016	Soil	1
85634.19	B66-W15-0.5'	12/03/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units

Continued

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Ordered By

Placeworks 700 S Flower St Suite 600 Los Angeles, CA 90017-	Project ID: LASD1-27 Date Received 12/05/2016 Date Reported 12/09/2016
Telephone: (310)670-9221 Attention: Carl Lotzgesell	

Job Number	Order Date	Client
85634	12/05/2016	PLACE

CERTIFICATE OF ANALYSIS

CASE NARRATIVE

85634.19	B66-W15-0.5'	12/03/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010BSCAN) ^ AS	12/06/2016	2	Rush	mg/Kg

85634.22	B67-E25-0.5'	12/03/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010B.LEAD)	12/06/2016	2	Rush	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

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ANALYTICAL RESULTS

Ordered By

Placeworks
700 S Flower St
Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **2**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1205162C1

Our Lab I.D.			Method Blank	85634.04	85634.07	85634.13	85634.16
Client Sample I.D.				B36-E15-0.5'	B36-W15-0.5'	B90-E15-0.5'	B48-S15-0.5'
Date Sampled				12/03/2016	12/03/2016	12/03/2016	12/03/2016
Date Prepared			12/05/2016	12/05/2016	12/05/2016	12/05/2016	12/05/2016
Preparation Method			3050B	3050B	3050B	3050B	3050B
Date Analyzed			12/06/2016	12/06/2016	12/06/2016	12/06/2016	12/06/2016
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Arsenic	2.5	5.0	ND	6.60	24.7	85.2	10.4

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ANALYTICAL RESULTS

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Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **3**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1205162C1

Our Lab I.D.			85634.19				
Client Sample I.D.			B66-W15-0.5'				
Date Sampled			12/03/2016				
Date Prepared			12/05/2016				
Preparation Method			3050B				
Date Analyzed			12/06/2016				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Arsenic	2.5	5.0	6.68				

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ANALYTICAL RESULTS

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Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **4**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1207162C1

Our Lab I.D.			Method Blank	85634.08	85634.10	85634.14	
Client Sample I.D.				B36-W15-1.5'	B36-W20-0.5'	B90-E15-1.5'	
Date Sampled				12/03/2016	12/03/2016	12/03/2016	
Date Prepared			12/07/2016	12/07/2016	12/07/2016	12/07/2016	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			12/07/2016	12/07/2016	12/07/2016	12/07/2016	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Arsenic	2.5	5.0	ND	ND	26.4	ND	

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ANALYTICAL RESULTS

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Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **5**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1208162C1

Our Lab I.D.			Method Blank	85634.11			
Client Sample I.D.				B36-W20-1.5'			
Date Sampled				12/03/2016			
Date Prepared			12/08/2016	12/08/2016			
Preparation Method			3050B	3050B			
Date Analyzed			12/08/2016	12/08/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Arsenic	2.5	5.0	ND	ND			

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ANALYTICAL RESULTS

Ordered By

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700 S Flower St
Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **6**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1205162C1

Our Lab I.D.			Method Blank	85634.22			
Client Sample I.D.				B67-E25-0.5'			
Date Sampled				**12/03/2016**			
Date Prepared			**12/05/2016**	**12/05/2016**			
Preparation Method			**3050B**	**3050B**			
Date Analyzed			**12/06/2016**	**12/06/2016**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Lead	**2.5**	**5.0**	**ND**	**26.4**			

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QUALITY CONTROL RESULTS

Ordered By

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700 S Flower St
Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010B.LEAD), Lead, ICP

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Lead	**22.6**	**50.0**	**64.1**	**83.0**	**50.0**	**64.5**	**83.8**	**<1**	**75-125**	**<15**

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Lead	**50.0**	**52.0**	**104**	**50.0**	**51.6**	**103**	**<1**	**75-125**	**<15**	

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

QUALITY CONTROL RESULTS

Ordered By

Placeworks
700 S Flower St
Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**4.11**	**50.0**	**51.6**	**95.0**	**50.0**	**51.2**	**94.2**	**<1**	**75-125**	**<15**

QC Batch No: 1205162C1; Dup or Spiked Sample: 85633.01; LCS: Clean Sand; QC Prepared: 12/05/2016; QC Analyzed: 12/06/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**52.4**	**105**	**50.0**	**52.3**	**105**	**<1**	**75-125**	**<15**	

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Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1207162C1; Dup or Spiked Sample: 85633.14; LCS: Clean Sand; QC Prepared: 12/07/2016; QC Analyzed: 12/07/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**7.61**	**50.0**	**54.4**	**93.6**	**50.0**	**54.6**	**94.0**	**<1**	**75-125**	**<15**

QC Batch No: 1207162C1; Dup or Spiked Sample: 85633.14; LCS: Clean Sand; QC Prepared: 12/07/2016; QC Analyzed: 12/07/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**53.0**	**106**	**50.0**	**52.5**	**105**	**<1**	**75-125**	**<15**	

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Suite 600
Los Angeles, CA 90017-

Telephone: (310)670-9221
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **10**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85634	12/05/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1208162C1; Dup or Spiked Sample: 85634.11; LCS: Clean Sand; QC Prepared: 12/08/2016; QC Analyzed: 12/08/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**0.00**	**50.0**	**49.5**	**99.0**	**50.0**	**48.7**	**97.4**	**1.6**	**75-125**	**<15**

QC Batch No: 1208162C1; Dup or Spiked Sample: 85634.11; LCS: Clean Sand; QC Prepared: 12/08/2016; QC Analyzed: 12/08/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**52.0**	**104**	**50.0**	**52.5**	**105**	**<1**	**75-125**	**<15**	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

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Ordered By

Placeworks
700 S. Flower St. Suite 600
Los Angeles, CA 90017-

Telephone: (213)623-1443
Attention: Carl Lotzgesell

Number of Pages	**3**
Date Received	**12/27/2016**
Date Reported	**12/28/2016**

Job Number	Order Date	Client
85982	12/27/2016	PLACE

Project ID: LASD1-27
Project Name: Venice High School
Site: Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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CHAIN OF CUSTODY RECORD

№ 99905

AETL JOB No. 85982

Page 1 of 1

COMPANY	PlaceWorks
PROJECT MANAGER	Carl Lotzgesell
COMPANY ADDRESS	700 S. Flower St., Suite 600, Los Angeles
PHONE / FAX	(213) 623-1443
PROJECT NAME	Venice High School
PROJECT #	LASD1-27
SITE NAME AND ADDRESS	Venice High School, 13000 Venice Blvd., Los Angeles
PO #	LASD 1-27

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	B36-W2.5-0.5	85982.01	12/27/16	7:35	Soil	1	
2	B36-W2.5-1.5	85982.02	↓	7:37	↓	1	
3	B36-W2.5-2.5	85982.03	↓	7:40	↓	1	
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

ANALYSIS REQUESTED

	Arsenic (6010B)		Archive							
1	X									
2			X							
3			X							

TEST INSTRUCTIONS & COMMENTS

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	3	PROPERLY COOLED Y / N / NA	
CUSTODY SEALS Y / N / NA		SAMPLES INTACT Y / N / NA	
RECEIVED IN GOOD COND. Y / N		SAMPLES ACCEPTED Y / N	

TURN AROUND TIME

☐ NORMAL ☒ RUSH
☐ SAME DAY
☒ NEXT DAY
☐ 2 DAYS
☐ 3 DAYS

DATA DELIVERABLE REQUIRED

☐ HARD COPY
☒ PDF
☐ GEOTRACKER (GLOBAL ID) _____
☐ OTHER (PLEASE SPECIFY) _____

	RELINQUISHED BY SAMPLER: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature:		Carl Lotzgesell	
Printed Name:	Carl Lotzgesell		
Date:	12/27/16	12/27/16	
Time:	9:30	9:30	

	RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: AETC 3.
Signature:			
Printed Name:			Peggy Claude
Date:			12/27/16
Time:			0935

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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Ordered By

Placeworks **700 S. Flower St. Suite 600** **Los Angeles, CA 90017-**	**Project ID: LASD1-27** **Date Received 12/27/2016** **Date Reported 12/28/2016**
Telephone: (213)623-1443 **Attention: Carl Lotzgesell**	

Job Number	Order Date	Client
85982	12/27/2016	PLACE

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 3 samples with the following specification on 12/27/2016.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85982.01	B36-W25-0.5	12/27/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
(6010BSCAN) ^ AS	12/28/2016	2	Rush	mg/Kg

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
85982.02	B36-W25-1.5	12/27/2016	Soil	1
85982.03	B36-W25-2.5	12/27/2016	Soil	1

Method ^ Submethod	Req Date	Priority	TAT	Units
ARCHIVE	12/28/2016	2	Rush	--

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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ANALYTICAL RESULTS

Ordered By

Placeworks
700 S. Flower St.
Suite 600
Los Angeles, CA 90017-

Telephone: (213)623-1443
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Page: **2**

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85982	12/27/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1227162C1

Our Lab I.D.			Method Blank	85982.01			
Client Sample I.D.				B36-W25-0.5			
Date Sampled				12/27/2016			
Date Prepared			12/27/2016	12/27/2016			
Preparation Method			3050B	3050B			
Date Analyzed			12/28/2016	12/28/2016			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Arsenic	2.5	5.0	ND	ND			

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QUALITY CONTROL RESULTS

Ordered By

Placeworks
700 S. Flower St.
Suite 600
Los Angeles, CA 90017-

Telephone: (213)623-1443
Attn: Carl Lotzgesell

Site

Venice High School
13000 Venice Blvd.
Los Angeles, CA 90066

Project ID: LASD1-27
Project Name: Venice High School

AETL Job Number	Submitted	Client
85982	12/27/2016	PLACE

Method: (6010BSCAN), Arsenic by ICP

QC Batch No: 1227162C1; Dup or Spiked Sample: 85982.01; LCS: Clean Sand; QC Prepared: 12/27/2016; QC Analyzed: 12/28/2016; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	**1.61**	**50.0**	**48.8**	**94.4**	**50.0**	**48.9**	**94.6**	**<1**	**75-125**	**<15**

QC Batch No: 1227162C1; Dup or Spiked Sample: 85982.01; LCS: Clean Sand; QC Prepared: 12/27/2016; QC Analyzed: 12/28/2016; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Arsenic	**50.0**	**50.5**	**101**	**50.0**	**50.5**	**101**	**<1**	**75-125**	**<15**	

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Data Qualifiers and Descriptors

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Definition:

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Con.L:	Acceptable Control Limits
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LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

Attachment B. IDW Waste Manifests

DeMenno / Kerdoon

DEMENNO / KERDOON'S LABORATORY IS CERTIFIED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM (ELAP) CERT. # 2037

GENERATOR'S WASTE PROFILE WORKSHEET

GENERATOR'S INFORMATION

A. GENERATOR'S NAME L.A.U.S.D. - OEHS
B. EPA ID# _____
C. GENERATOR'S ADDRESS 333 S. Beaudry Ave., 21st Floor
D. PHONE ( ) 213-241-3199
E. CITY, STATE, ZIP Los Angeles, CA 90017; Site: LAUSD - Venice High School, 13000 Venice Blvd., Los Angeles
F. GENERATOR CONTACT Greta Galoustian
G. TITLE Env. Compliance Admin.
H. CUSTOMER NAME Belshire Environmental Services, Inc.
I. PHONE ( ) 949-460-5200
J. TRANSPORTER NAME BELSHIRE
K. PHONE ( ) 949-460-5200
L. TRANSPORTER EPA ID# CAR000183913
M. CONTACT _____

A. NAME OF WASTE NON-HAZARDOUS DECON WATER
B. CALIFORNIA HAZARDOUS WASTE CODE NO. NONE
C. EPA HAZARDOUS WASTE CODE NO. NONE
D. DESCRIBE PROCESS GENERATING WASTE DECONTAMINATION WATER FROM DRILLING FOR SITE INVESTIGATION
IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? ____ yes __X__ no •
E. DOES THIS WASTE CONTAIN PCB'S? ____ yes __X__ no
F. DOES THIS WASTE CONTAIN DIOXIN? (F020-F028) ____ yes __X__ no
G. DOES THIS WASTE CONTAIN SULFIDES OR CYANIDES? ____ yes __X__ no
H. DOES THIS WASTE CONTAIN PESTICIDES OR HERBICIDES? ____ yes __X__ no
(IF YES, IDENTIFY IN ITEMS A OR D ABOVE.)
I. DOES THIS WASTE CONTAIN SOLVENTS? ____ yes __X__ no
(IF YES, IDENTIFY IN ITEMS A OR D ABOVE.)
J. DOES THIS WASTE CONTAIN PLATING WASTE? ____ yes __X__ no
K. HAS THIS WASTE BEEN MIXED WITH RCRA LISTED WASTE?
(F, K, U OR P EPA WASTE CODES) ____ yes __X__ no
L. IF YOU HAVE MSDS FOR COMPONENTS IN THIS WASTE,
PLEASE ATTACH ..... MSDS ATTACHED ☐
M. IF YOU HAVE CURRENT ANALYSIS OF THIS
WASTE, PLEASE ATTACH ..... CHEMICAL ANALYSIS ATTACHED ☑
N. PACKAGING / VOLUME ☐ BULK LIQUID ☑ DRUMS ☐ OTHER _____ ☐ AMOUNT 110
☑ GALLONS ☐ LBS. ☐ CUBIC YARDS PER: ☐ DAY ☐ MONTH ☐ QUARTER ☑ YEAR

GENERATOR'S CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED ON THIS DOCUMENT, IS TRUE AND ACCURATE, AND NO INTENTIONAL MISREPRESENTATION HAS BEEN COMMITTED BY ANYONE. I FURTHER CERTIFY THAT ANY SAMPLE(S) PROVIDED WITH THIS WASTE PROFILE WERE TAKEN AND PRESERVED IN ACCORDANCE WITH 40 CFR 261, APPENDIX 1 AND ARE ACCURATE AND REPRESENTATIVE OF MY ACTUAL WASTE STREAM. I HEREBY AGREE TO NOTIFY DEMENNO / KERDOON SHOULD THIS WASTE STREAM CHANGE IN ANY WAY.

AUTHORIZED SIGNATURE Greta Galoustian DATE 11 / 08 / 16

PRINT NAME AND TITLE Greta Galoustian/Env. Compliance Manager

FORM NO. 1001 REV. 4-15-08, 5-25-10

• Is benzene waste from a chemical manufacturing, coke by-product recovery, or petroleum refinery process? ____ yes __X__ no

Adelanto, CA Soil Recycling Facility	Soil Safe (Formerly TPST) SOIL DATA AND CERTIFCATION SHEET	DATE:

Generator and/or Client:

L.A.U.S.D. - OEHS
333 S. Beaudry Ave., 21st Floor
Los Angeles, CA 90017

Transporter / Consultant:

Belshire Environmental Services, Inc.
25971 Towne Centre Dr
Foothill Ranch CA 92610
Tel: (949) 460-5200
Fax: (949) 460-5210

- [X] **Invoice BESI**
- [ ] **Invoice Generator**
- [ ] **Invoice Consultant**

Testing Laboratory:
American Environmental

Sampling Procedures:
Soil Cuttings

Site History:
(Please list SITE ADDRESS (including zipcode), describe contamination type, contamination source, how contamination was stored, and past activities at site.-Attach additional documents)

Site Name & Address:
LAUSD - Venice High School
13000 VENICE BLVD
LOS ANGELES, CA 90066

BESI: 274970
Site No: 13000VEN

- [X] **NON-HAZ**
- [ ] **HAZ**

ESTIMATED QUANTITY
____ Tons
8 Drums

Source of contamination:
Site Investigation - unknown source

Please check appropate box below and attach all required analytical reports. Unless otherwise noted, composite samples should be collected with the following frequency: 1sample for 100 cubic yards or less ; 3 samples for 500 cu yds or less ; 5 samples for 1000 cu yds 1 additional sample for each additional 500cu yds greater than 1000 cu yds

- [ ] I/we certify that the soil referenced herein is contaminated soley by Virgin petroleum products from leaking underground storage tank(s).

Attached is analytical data from state certified lab for the following

1) Total Petroleum Hydrocarbons (TPH, EPA 8015 Modified)

2) Benzene/Toluene/Ethylbenzene/xylene (BTEX, EPA 8020)

- [X] I/We certified that some or all of the contaminants in the soil referenced herein is waste oil, or some other non-virgin petroleum product, or virgin petroleum product from something other than a leaking underground storage tank.
Attached is analytical data from a state certified lab for the following:

1) Total metals concentration for a thru q below (TTLC test)

a) Antimony	g)Cobalt	m) Selenium
b) Arsenic	h)Copper	n) Silver
c) Barium	i) Lead	o) Thalium
d) Berylium	j) Mercury	p) Vanadium
e) Cadmium	k) Molybdenum	q) Zinc
f) Chromium	l) Nickel	

Note: If any item a thru q is greater than 10 times its Soluble Threshold Limit concentration (STLC) the soluble metal concentration must be determined by the Waste Extraction Test procedure.

2) THP by:

EPA 418.1 or
EPA 8015 modified

3) BTEX/VOC by:

EPA 8020 EPA 8010
or EPA 8260(combines above)

4) PCB'S(waste oil only)
5) Additional analytical data as required.

No soils referenced herein may be delivered until the forgoing certificate is received and approved by the facility, and they issues manifests and assigns an approval number. If any soils delivered to the facility are found to be "Hazardous Waste" pursuant to federal or state regulations, the client shall be solely responsible for their removal. If the client fails to remove such soils, the facility, acting as client's agent, may arrange for such removal at client's expense. This is a complete and accurate description of the soil referenced herein; no deliberate or willful omissions have been made and all known or suspected hazards have been disclosed herein. I/We certify that the soil is not "hazardous" as defined by U.S. Department of Transportation (DOT), U.S. Environmental Protection Agency (EPA), State or local regulations. I/We further certify that the soils referenced herein contain no free liquids. All analysis reports attached.

Generator's Authorized Signatory: Greta Galoustian Digitally signed by Greta Galoustian DN: cn=Greta Galoustian, o=OEHS, ou=Environmental Compliance, email=greta.galoustian@lausd.net, c=US Date: 2016.11.08 10:38:42 -08'00' **Date:** 11/8/16

Print Name: Greta Galoustian **Title:** ENV. Compliance

Environmental Firm Signatory: _____ **Date:** _____

Print Name: _____ **Title:** _____

NO. 729646

NON-HAZARDOUS WASTE DATA FORM

BESI # 274970

GENERATOR

Generator's Name and Mailing Address
L.A.U.S.D. - OEHS
333 S. BEAUDRY AVE., 21ST FLOOR
LOS ANGELES, CA 90017

Generator's Site Address (If different than mailing address)
LAUSD - VENICE HIGH SCHOOL
13000 VENICE BLVD
LOS ANGELES, CA 90066

Generator's Phone: 213-241-3199

Container type removed from site:
☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 01

Container type transported to receiving facility:
☐ Drums ☒ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity _____ Volume _____

WASTE DESCRIPTION NON-HAZARDOUS WATER
GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%
3.		
4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

Generator Printed/Typed Name: Carl Watzgesell (Agent for LAUSD) | Signature | Month 01 | Day 06 | Year 17

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Jose Ferreyra | Signature | Month 01 | Day 06 | Year 17

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. | Phone#: 714-990-6855

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name | Signature | Month | Day | Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07		

Generator and/or Consultant

Generator's Name and Billing Address: L.A.U.S.D. - OEHS 333 S. BEAUDRY AVE., 21ST FLOOR LOS ANGELES, CA 90017	Generator's Phone #: 213-241-3199	
	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* LAUSD - VENICE HIGH SCHOOL 13000 VENICE BLVD LOS ANGELES, CA 90066	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-9001	
	Person to Contact: JOE PROVANSAL	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 274970	Transporter's Phone #: 949-460-5200	CAR000183913
	Person to Contact: LARRY MOOTHART	450647
	FAX#: 949-460-5210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	08 CM	Soil			
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ❑	Signature and date:	Month	Day	Year
Carl Lotgren (Agent for LAUSD)		01	06	17

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Jose Ferreyra		01	06	17

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
J. PROVANSAL	

Please print or type.

GENERATOR/CONSULTANTS COPY