Appendix E

Hazardous Building Materials Survey Report

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Hazardous Building Materials Survey

Boyle Heights Sports Center Gym Project
2500 Whittier Boulevard
Los Angeles, California

ICF International

601 West 5th Street, Suite 900 | Los Angeles, California 90071

July 2, 2018 | Project No. 209403013

Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

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Hazardous Building Materials Survey

Boyle Heights Sports Center Gym Project
2500 Whittier Boulevard
Los Angeles, California

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1 INTRODUCTION

In accordance with ICF International's authorization, Ninyo & Moore has performed a hazardous building materials survey (HBMS) in support of the upcoming demolition activities of four structures at 2500 Whittier Boulevard, Los Angeles, California (site; Figure 1). This report has been prepared in accordance with generally accepted environmental science and engineering practices. This report is based on conditions at the site at the time of the sampling activities and provides documentation of our findings and recommendations.

2 PURPOSE AND SCOPE OF SERVICES

The objective of the survey is to provide information about current conditions within the site structures regarding the potential presence of asbestos containing materials (ACMs), lead containing surfaces (LCS), and other hazardous materials present within the structure which will require removal prior to the planned demolition activities. For the purposes of this assessment, LCS refers to lead-based paint (LBP), as defined by the California Department of Public Health (CDPH) and United States Department of Housing and Urban Development (HUD).

The scope of services we performed for the study is identified below.

- Performed a visual reconnaissance of the structures to evaluate for the possible presence of ACMs and LCS.
- Collected 68 bulk samples and submitted these samples to an independent laboratory for analysis of asbestos content. Samples were analyzed in accordance with the United States Environmental Protection Agency (EPA) recommended method of Polarized Light Microscopy (PLM) in accordance with EPA Test Method 600/R-93/116 July 93.
- Collected 85 X-Ray fluorescence (XRF) readings (including calibrations) of potential LCS.
- Performed a visual assessment and quantification of miscellaneous hazardous materials including, but not limited to, fluorescent light bulbs (possible mercury); fluorescent light ballasts (possible polychlorinated biphenyls [PCB]-containing oils); high intensity light bulbs (possible mercury); thermostat switches (possible liquid mercury and/or batteries); emergency lighting and exit signs (possible lead acid or other metal containing batteries or tritium); heating, ventilation, and air-conditioning and refrigeration systems (possible chlorofluorocarbon gas); and other possible hazardous materials.
- Prepared a field drawing showing ACM and LCS sampling locations.
- Prepared this HBMS report, which presents our data and summarizes field activities, evaluated materials, and locations. This report includes a field drawn sample location map, a general building description, laboratory testing information, laboratory test results, and conclusions and recommendations.

3 SITE BUILDING DESCRIPTIONS

The scope of work is comprised of four structures: Building 1; Building 2; Shed 1; and Shed 2.

- **Building 1** is a two-story wood-framed slab on grade building with various rooms, which occupies an approximate 2,500 square foot (SF) area. The interior walls and ceilings are finished with button board (plaster/drywall) or sheetrock in some areas. The concrete flooring is either finished with vinyl floor tiles, ceramic tiles, or is unfinished. The exterior walls are finished with stucco. The roof system is finished with asphalt sheeting.

- **Building 2** is a one-story wood-framed slab on grade garage building, which occupies an approximate 1,000 SF area. The interior walls and ceilings are finished with button board (plaster/drywall) or sheetrock. The concrete flooring is unfinished. The exterior walls are finished with stucco. The roof system is finished with asphalt sheeting.

- **Shed 1** is a one-story wood-framed storage shed, which occupies an approximate 120 SF area. The interior walls and ceilings are wood. The wood flooring is unfinished. The exterior walls wood. The roof system includes sheet metal over asphalt shingles.

- **Shed 2** is a one-story wood-framed mechanical shed, which occupies an approximate 100 SF area. The interior walls are wood. The concrete floor is unfinished. The exterior is metal sheeting. The structure does not have a roof.

4 FIELD LIMITATIONS

There is a possibility that additional ACMs and LCSs may be encountered in inaccessible areas (e.g., wall cavities, interstitial spaces) during building demolition activities. The roof area of Building 1 was not accessible at the time of the field survey.

5 ASBESTOS SAMPLE COLLECTION AND LABORATORY ANALYSIS

The asbestos survey was performed on May 23, 2018, by Mr. Pedro Rodriguez-Mendez, a California Department of Occupational Safety and Health (DOSH) Site-Surveillance Technician. The survey was performed under the direct supervision of Mr. Michael Cushner, a DOSH Certified Asbestos Consultant. Consultant certificates are presented in Appendix A.

5.1 Asbestos Survey

The survey and sampling procedures were performed in accordance with the guidelines published by the EPA in 40 Code of Federal Regulations (CFR) Part 763 Subpart E, October 30, 1987 (Asbestos Hazard Emergency Response Act [AHERA]); the EPA guidance document “Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials (EPA 560/5-85-030a, October 1985); the National Emission Standards for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, subpart M); and the South Coast Air Quality Management District (SCAQMD) Rule 1403.

The survey consisted of three parts including: visual evaluation, sampling, and quantification of the building materials.

5.1.1 Visual Evaluation

Initial observations were made throughout the structure to evaluate for the presence and condition of accessible suspect materials. Materials which were similar in general appearance were grouped into homogeneous sampling areas (areas in which the materials are uniform in color, texture, construction, or application date), as recommended by the EPA. Each homogeneous area was observed for material type, location, condition, and friability.

The definition of friability is any material containing more than one percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. The EPA's NESHAP regulation has different material categories for ACMs. These categories are used when demolition or renovation projects are being conducted. Each identified suspect homogeneous material was placed in one of the following EPA classifications:

- **Category I Non-friable** - NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.
- **Category II Non-friable** - NESHAP defines a Category II non-friable ACM as any material, except for Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.
- **Regulated Asbestos Containing Material (RACM)** - is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

In accordance with the EPA and AHERA, suspect materials were placed in one of three categories:

- **Surfacing Materials** - materials generally applied via sprayed or trowel methods,
- **Thermal Systems Insulations (TSI)** - materials generally applied to various mechanical systems, or
- **Miscellaneous Materials** - any materials which do not fit in the Surfacing or TSI classifications.

If asbestos is identified in a sample from a homogeneous area, the entire homogeneous area is considered to contain asbestos.

Representative samples were collected from each homogeneous area within the survey area, except areas that were inaccessible, or areas of assumed ACM, within the limitations of the survey.

5.1.2 Sampling Procedures

Following the walkthrough and review of reports, the inspector collected selected samples of accessible materials identified as suspect ACM. EPA, AHERA, NESHAP, and SCAQMD guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous material. Samples of surfacing material were collected in general accordance with the EPA sampling protocol outlined in EPA 560/5-85-030a, October 1985. Representative samples were taken from already damaged areas or areas which were the least visible. Samples of miscellaneous materials were taken as randomly as possible, while attempting to sample already damaged areas so as to minimize disturbance of the material. Generally, three samples of each homogeneous material were collected of miscellaneous materials and TSI, if present.

5.1.3 Quantification

Quantities of accessible and/or exposed building materials that were suspected of containing asbestos were estimated by taking approximate measurements in the field. Quantities are presented in SF or linear feet to be used as a guide for contractor estimates on bidding for abatement activities. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal.

5.2 Asbestos Laboratory Analysis Procedures

Analysis was performed at EMSL Dallas (EMSL) in Dallas Texas. EMSL is a National Volunteer Laboratory Accreditation Program accredited laboratory. A chain-of-custody, documenting the possession of the samples from the time they were collected until analyzed and stored, was submitted with the bulk samples. Custody documentation began at the time samples were collected and each transferor retained a copy of the chain-of-custody record.

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.), and non-fibrous constituents. Refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and

signs of elongation identified asbestos. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope. The bulk samples were analyzed by PLM with dispersion staining as described by the method of the determination of asbestos in bulk insulation, EPA/600/R-93/116, July 1993. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The characteristic color displays which result enable mineral identification.

6 LCS SURVEY

The LCS survey was performed on May 23, 2018, by Mr. Pedro Rodriguez-Mendez, a CDPH Lead-Related Construction (LRC) Sampling Technician. The survey was performed under the supervision of Mr. Michael Cushner, a CDPH LRC Inspector/Assessor and Project Monitor. Consultant certificates are presented in Appendix A.

6.1 Lead Survey

The survey was conducted using a portable Niton XLP analyzer in accordance with accepted environmental science and engineering practices. The protocol used for selecting components and sampling locations was that contained in the federal HUD “Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing” (Chapter 7 “Lead-Based Paint Inspection”), except the inspection was limited to accessible materials and once a pattern was recognized for the component results, fewer readings for each component were collected.

6.2 Lead Readings

The XRF analyzer used for the testing is a direct-reading instrument that determines the concentration of lead in paints by subjecting the paint to energy from a small radioactive source when the instrument is held against the paint and analyzing the absorption of X-Rays by the paint. The instrument was calibrated to the manufacturer’s specifications and was also verified, at least every four hours and at the beginning and completion of each set of readings, against known lead sample standards produced by the National Institute of Standards and Testing. The XRF instrument measures lead in units of milligrams of lead per square centimeter of tested surface (mg/cm^2). A total of 85 XRF readings were collecting (including calibration readings) over the course of this survey. The CDPH requires that after a lead evaluation is performed a copy of

CDPH form 8552 “Lead Hazard Evaluation Report” should be submitted. Ninyo & Moore has faxed this form to the CDPH and a copy is included in Appendix B.

7 INVENTORY OF UNIVERSAL WASTES

A visual evaluation of the structures was performed to quantify miscellaneous hazardous building materials. This included, but was not limited to, potential mercury-containing thermostats, switches, and fluorescent light tubes; items potentially containing PCBs; potential tritium or battery-containing exit signs; and potential CFC-containing refrigeration systems.

8 SURVEY AND INVENTORY RESULTS

The following sections describe the survey and inventory results.

8.1 Asbestos Results Summary

A total of 68 samples of suspect ACMs were collected and transferred to EMSL for analysis. The lower limit of reliable detection for asbestos using the PLM method is approximately 1 percent by volume. In the state of California, DOSH regulations define asbestos containing construction materials (ACCMs) if one sample from a homogeneous area contains asbestos content of greater than one tenth of 1 percent (>0.1 percent) which is confirmed by PLM 1,000-point count analysis. Materials in which no asbestos was detected are defined in the laboratory report as “None detected.” Materials containing asbestos, but in amounts less than 1 percent, are defined as containing “trace” amounts and for the purpose of this report are assumed to be ACCM. Inaccessible suspect ACMs that are suspect of being ACM or ACCM, which were inaccessible are noted to be assumed asbestos containing.

Based on field observations and the analytical results of bulk samples collected during the survey, ACMs were detected within the structures which will be impacted by the upcoming demolition activities for the structures. The ACMs, ACCMs, and assumed ACMs found to be present are summarized in Table 1. Other building materials which were sampled and found to be non-asbestos containing are summarized in Table 2. A copy of the laboratory analytical report and chain-of-custody records are presented in Appendix C. General photographic documentation of the ACMs is presented in Appendix D. The sampling locations of the materials found to be ACM are presented within the field drawings provided in Appendix E.

Table 1 – Positive Asbestos Survey Results

Material	Location	ACM Category	Condition	Result	Approximate Quantity	Photograph No.
Building 1						
Window putty	Exterior second floor windows	NESHAP Category II Non-friable	Good	2% CH	8 Total	2
Stucco and felt	Exterior walls	NESHAP Category II Non-friable	Good	2% CH (texture) ND (stucco) ND (felt)	2,500 SF	3
Baseboard plaster	Baseboard	NESHAP Category II Non-friable*	Good	<1% CH (finish coat) ND (base coat) ND (concrete)	200 SF	4
Sporadic mastic on concrete	Throughout	NESHAP Category I Non-friable	Fair	2% CH (mastic) ND (concrete)	2,500 SF	5
1' x 1' vinyl floor tile and mastic	Throughout first floor	NESHAP Category I Non-friable	Good	2% CH (tile) 5% CH (mastic)	1,650 SF	5
9" x 9" vinyl floor tile and mastic	Throughout kitchen/dining areas	NESHAP Category I Non-friable	Good	4% CH (tile) ND (mastic)	850 SF	6
Button board (plaster and drywall)	Throughout main walls and ceilings	NESHAP Category II Non-friable*	Good	<1% CH (finish coat) ND (base coat) ND (drywall)	5,000 SF	7
Drywall and joint compound	Partition walls throughout first floor rooms	RACM	Good	ND (drywall) 2% CH (joint compound)	250 SF	8
Roof and associated roofing materials	Roof	NESHAP Category I Non-friable	Unknown	ASSUMED**	2,500 SF	-
Building 2						
Drywall and joint compound	Partition walls between garages	NESHAP Category II on-friable*	Good	ND (drywall) 2% CH (joint compound)	600 SF	11
Shed 1						
No asbestos found						
Shed 2						
No asbestos found						

Notes:
ACM – asbestos containing material
CH – chrysotile
NESHAP – National Emission Standards for Hazardous Air Pollutants
No. – number
PLM – polarized light microscopy
RACM – regulated ACM
SF square feet
" – inch
' – foot
% – percent
*initial PLM results is less than 1 percent ACM. Material is required to be treated as ACM, unless further analyzed by PLM 1,000-point count.
**material was not accessible at the time of the survey. The roofing material must be assumed to be ACM until it is sampled and analyzed for asbestos content.

Please note that quantities of ACMs are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities.

Table 2 – Non-Asbestos Containing Materials Sampled	
Sample Material Description	**Material Location**
Building 1	
Brick mortar	Exterior front of building
Cove base and glue	Throughout
Concrete flooring	Throughout
Building 2	
Asphalt sheeting	Roof
Penetration mastic	Roof
Parapet wall	Roof
Exterior stucco and felt	Exterior walls
Window putty	Exterior windows
Base board (plaster and drywall)	Interior wall and ceilings
Cove base and glue	Interior walls
Concrete slab	Interior floor
Shed 1	
Asphalt shingles	Roof under metal sheeting
Stucco	Exterior walls
Shed 2	
No suspect materials	
Parking lot*	
Asphalt	Parking lot

Notes:
*The asphalt parking lot was sampled to confirm the presence of asbestos.

8.2 Lead-Containing Surfaces Summary

Federal efforts to regulate LBP began with the LBP Poison Prevention Act in 1971. In 1973, the Consumer Product Safety Commission (CPSC) defined LBP as paint having lead content equal to or greater than 0.5 percent by weight (1.0 mg/cm^2 by XRF) in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead levels in new paint to 0.06 percent. HUD developed guidelines relating to HUD facilities that specified lead content of 0.5 percent as an action level in determining the need for corrective action. In Los Angeles County a more stringent action level for lead based paint is 0.7 mg/cm2 which was utilized for this survey. Federal and State DOSH do not define the amount of lead in paint to a regulatory requirement, rather the activities, or task, define when the regulation is in effect. Both Federal and State standards use the term “trigger task” activities. In the work place, employers must make certain assumptions of the exposure levels and comply with regulations based on the level of disturbance rather than the lead level.

A total of 85 XRF readings were collected from the representative testing combinations (e.g., unique combination of room equivalent, building component, and substrate) within the structures. LCSs were detected within the structures.

Building components with lead content greater than 0.7 mg/cm^2 and their estimated quantities are presented in Table 3. A summary of the XRF analysis data is included in the attached Table A. General photographic documentation is presented in Appendix D.

Table 3 – Lead Based Paint Summary						
Room/Area	Component	Substrate	Condition	Color	Approximate Quantity	Photograph No.
Building 1						
Room 1	Door	Wood	Intact	Beige	2 each	9
Building 2						
Garage 1	Sink	Porcelain	Intact	White	1 each	12
Garage 1	Toilet	Porcelain	Intact	White	1 each	12
Shed 1						
Exterior	Door	Wood	Intact	Beige	1 each	14
Exterior	Door	Wood	Intact	Silver	80 SF	14
Interior	Wall	Wood	Intact	Beige	96 SF	NA
Interior	Wall	Wood	Intact	Beige	80 SF	NA
Interior	Wall	Wood	Intact	Beige	96 SF	NA
Interior	Door	Wood	Intact	Beige	1 each	NA
Shed 2						
No lead containing surfaces found						

Notes:
No. – number
SF – square feet

Please note that quantities of LCSs are approximate. It is the abatement contractor's responsibility to confirm quantities prior to bidding and removal activities.

8.3 Universal Wastes Inventory

Universal wastes were found within the structure. The locations of universal wastes identified are presented below in Table 4.

Table 4 – Universal Waste Inventory		
Hazardous Material Location	Hazardous Material Description	Estimated Quantity
Building 1		
Throughout	Light ballasts	25
Throughout	Fluorescent light bulbs	30
Ceiling plenum	Rodent feces	2,500 SF
Roof*	Unknown	Unknown
Building 2		
No universal waste found		
Shed 1		
No universal waste found		
Shed 2		
No universal waste found		

Notes:
SF – square feet
*Roofing area was not accessible at the time of the field survey.

9 RECOMMENDATIONS

The following recommendations are provided.

9.1 Asbestos

- The identified ACMs should not be disturbed. Prior to demolition activities which would disturb identified ACMs, a licensed abatement removal contractor should remove these building materials. The licensed abatement contractor must maintain current licenses as required by applicable state or local jurisdictions for the removal, transporting, disposal, or other regulated activities.

- Applicable laws and regulations should be followed, including those provisions requiring notification to regulatory agencies, building occupants, renovation contractors, and workers of the presence of asbestos.

- Building materials which were analyzed by PLM and a result with less than one percent, should be further analyzed by PLM 1,000-point count analysis in order to determine if the material may be treated as ACCM which will save the building owner on disposal costs.

- The roofing area on Building 1 should be sampled and analyzed for asbestos content, once accessible. Otherwise, the roofing material must be treated as ACM and abated prior to demolition of the building.

- Asbestos abatement monitoring consulting services should be performed by a third party environmental consultant, to include oversight of abatement contractor activities to be performed in accordance with the abatement specifications, daily air monitoring, clearances, verification of complete removal of hazardous materials, and preparation of a closeout report summarizing the abatement activities.

9.2 Lead

- The identified LCSs should not be disturbed. All disturbances and removal activities should be performed by a licensed abatement contractor with certified lead personnel. Any painted LCSs in a non-intact condition should be stabilized and the substrate should be encapsulated. All lead related removal activities should be performed in accordance with the DOSH Lead in Construction Standard, Title 8 California Code of Regulations (CCR) 1532.1.

- Proper LCS waste stream categorization is required for lead components which will be removed. Prior to disposal, a composite sample of the representative LCS material should be analyzed for total lead for comparison with the Total Threshold Limit Concentration in accordance with EPA reference method SW-846. If the concentration of total lead is greater than or equal to 1,000 milligrams per kilogram (mg/kg), the LCS waste material must be disposed at a landfill which can receive such wastes. If the concentration is less than 50 mg/kg the sample may be disposed as construction debris, if it is to remain in California. If the total lead result is greater than or equal to 50 mg/kg and less than 1,000 mg/kg, the sample must be further analyzed for soluble lead by the Waste Extraction Test for comparison with the Soluble Threshold Limit Concentration as described in Title 22 CCR 66261.24a. Additionally, if the result is greater than or equal to 100 mg/kg the sample must be further analyzed for leachable lead by the Toxicity Characteristic Leaching Procedure for comparison with the Resource Conservation and Recovery Act (RCRA) limits. Based on the results of the soluble and leachable analysis the waste material may require disposal as a RCRA-Hazardous waste or non-RCRA- (California-) Hazardous waste.

- Lead abatement monitoring consulting services should be performed by a third party environmental consultant, to include oversight of abatement contractor activities to be performed in accordance with the abatement specifications, daily air monitoring, clearances,

verification of complete removal of hazardous materials, and preparation of a closeout report summarizing the abatement activities.

9.3 Universal Wastes

- Universal wastes discussed in this report (Table 4), should be removed and properly recycled or disposed by the licensed abatement contractor prior to demolition activities. The rodent droppings are not required to be removed in preparation for demolition of Building 1.

- Contractor should provide proper manifesting for all hazardous materials removed and recycled to prove the disposal of all materials was completed in accordance with local, state, and federal requirements.

- Monitoring consulting services should be performed by a third party environmental consultant, to ensure the appropriate removal of hazardous materials prior to building demolition activities.

10 LIMITATIONS

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited sampling and chemical analysis. Further assessment of potential adverse environmental impacts may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated. However, if additional suspect ACMs or LCSs are encountered during demolition activities, these materials should be sampled by a qualified personnel, and analyzed for content prior to further disturbance. In addition, please note that quantities of ACMs and LCSs are approximate. These numbers should be confirmed prior to removal or repair activities.

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific

chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

Table A – XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
1	Start			Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.1
2				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.0
3				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.1
Building 1											
4	Central room	1	-	Floor tile	Vinyl	Fair	Speckled brown	0.7	Negative	N/A	0.00
5	Central room	1	A	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
6	Central room	1	D	Column	Plaster	Fair	Biege	0.7	Negative	N/A	0.02
7	Central room	1	A	Door frame	Metal	Fair	Biege	0.7	Negative	N/A	0.00
8	Central room	1	D	Column	Plaster	Fair	Grey	0.7	Negative	N/A	0.05
9	Central room	1	C	Wall	Plaster	Fair	Blue	0.7	Negative	N/A	0.06
10	Central room	1	D	Wall	Plaster	Fair	Blue	0.7	Negative	N/A	0.11
11	Central room	1	C	Staircase 1	Wood	Fair	Biege	0.7	Negative	N/A	0.24
12	Kitchen	1	A	Wall	'Plaster	Fair	Blue	0.7	Negative	N/A	0.06
13	Kitchen	1	C	Wall	'Plaster	Fair	Biege	0.7	Negative	N/A	0.10
14	Kitchen	1	-	Floor tile	Vinyl	Fair	Speckled brown	0.7	Negative	N/A	0.00
15	Kitchen	1	C	Wall	Plaster	Fair	Blue	0.7	Negative	N/A	0.06
16	Kitchen	1	C	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.02
17	Heater closet	1	-	Floor tile	Vinyl	Fair	Speckled pink	0.7	Negative	N/A	0.01
18	Heater closet	1	B	Wall	Plaster	Fair	biege	0.7	Negative	N/A	0.22
19	Room 1	1	D	Wall	Plaster	Fair	biege	0.7	Negative	N/A	0.00
20	Room 1	1	D	Wall	Plaster	Fair	Pink	0.7	Negative	N/A	0.00
21	Room 1	1	A	Door	Wood	Fair	Biege	0.7	Positive	2 each	1.31
22	Room 1	1	B	Door frame	Wood	Fair	Biege	0.7	Negative	N/A	0.05
23	Room 1	1	B	Door jam	Wood	Fair	Biege	0.7	Negative	N/A	0.07
24	Room 2	1	C	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
25	Room 2	1	B	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
26	Room 2	1	-	Floor	Vinyl	Fair	Speckled brown	0.7	Negative	N/A	0.00
27	Room 3	1	B	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
28	Room 3	1	B	Wall	Plaster	Fair	Brown	0.7	Negative	N/A	0.00
29	Central room	1	C	Staircase 2	Wood	Fair	Biege	0.7	Negative	N/A	0.01
30	Bathroom	1	B	Sink	Porcelain	Fair	White	0.7	Negative	N/A	0.02
31	Bathroom	1	B	Toilet	Porcelain	Fair	White	0.7	Negative	N/A	0.01
32	Bathroom	1	C	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.08

Table A – XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
33	Mezannine Room 1	2	C	Wall	Plaster	Fair	Grey	0.7	Negative	N/A	0.02
34	Mezannine Room 1	2	-	Floor	Wood	Fair	Reddish brown	0.7	Negative	N/A	0.03
35	Mezannine Room 1	2	D	Wall	Plaster	Fair	Grey	0.7	Negative	N/A	0.27
36	Mezannine Room 1	2	-	Ceiling	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
37	Mezannine Room 2	2	C	Window frame	Metal	Fair	Biege	0.7	Negative	N/A	0.00
38	Central room	1	-	Ceiling	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
39	Central room	1	B	Door	Wood	Fair	Biege	0.7	Negative	N/A	0.00
40	Central room	1	A	Door frame	Metal	Fair	Biege	0.7	Negative	N/A	0.00
41	Central room	1	A	Door jam	Metal	Fair	Biege	0.7	Negative	N/A	0.00
42	Central room	1	-	Ceiling heater	Fabricated meta	Fair	Grey	0.7	Negative	N/A	0.02
43	Room 3	1	D	Wall baseboard	Concrete	Fair	Red	0.7	Negative	N/A	0.00
44	Exterior	1	B	Wall	Stucco	Fair	Biege	0.7	Negative	N/A	0.01
45	Exterior	1	C	Wall	Stucco	Fair	Pink	0.7	Negative	N/A	0.03
46	Exterior	1	A	Pipe Casing	Metal	Fair	Pink	0.7	Negative	N/A	0.02
47	Exterior	1	A	Electrical Panel	Metal	Fair	Pink	0.7	Negative	N/A	0.03
Shed 1											
48	Exterior	1	A	Door	Wood	Fair	Biege	0.7	Positive	1 each	15.4
49	Exterior	1	A	Door	Wood	Fair	Silver	0.7	Positive	80 SF	3.7
50	Interior	1	B	Wall	Wood	Fair	Biege	0.7	Positive	96 SF	5.9
51	Interior	1	C	Wall	Wood	Fair	Biege	0.7	Positive	80 SF	5.7
52	Interior	1	D	Wall	Wood	Fair	Biege	0.7	Positive	96 SF	5.0
53	Interior	1	-	Floor	Wood	Fair	White	0.7	Negative	N/A	0.11
54	Interior	1	B	Closet Door	Wood	Fair	Biege	0.7	Positive	1 each	2.5
55	Interior	1	-	Floor	Wood	Fair	Green	0.7	Negative	N/A	0.04
56	Interior	1	-	Ceiling	Wood	Fair	Biege	0.7	Negative	N/A	0.02
57	Exterior	1	D	Wall	Concrete	Fair	Biege	0.7	Negative	N/A	0.10
58	Exterior	1	D	Wall	Concrete	Fair	Green	0.7	Negative	N/A	0.21
Building 2											
59	Garage 1	1	C	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
60	Garage 1	1	C	Wall	Plaster	Fair	Off-white	0.7	Negative	N/A	0.00
61	Garage 1	1	A	Partition wall	Drywall	Fair	Biege	0.7	Negative	N/A	0.00
62	Garage 1	1	-	Ceiling	Plaster	Fair	White	0.7	Negative	N/A	0.00

Table A – XRF Readings Summary

Reading No.	Room	Floor	Side	Component	Substrate	Condition	Color	Action Level (mg/cm^2)	Results	Approximate Quantity	Lead Reading (mg/cm^2)
63	Garage 1	1	A	Door frame	Wood	Fair	White	0.7	Negative	N/A	0.00
64	Garage 1	1	B	Rolling door	Metal	Fair	White	0.7	Negative	N/A	0.00
65	Garage 1	1	A	Sink	Porcelain	Fair	White	0.7	Positive	1 each	8.1
66	Garage 1	1	D	Toilet	Porcelain	Fair	White	0.7	Positive	1 each	8.1
67	Garage 3	1	D	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
68	Garage 3	1	A	Wall	Plaster	Fair	Biege	0.7	Negative	N/A	0.00
69	Garage 3	1	A	Door frame	Wood	Fair	White	0.7	Negative	N/A	0.00
70	Garage 3	1	B	Door track	Metal	Fair	Black	0.7	Negative	N/A	0.01
71	Garage 3	1	B	Window	Metal	Fair	Brown	0.7	Negative	N/A	0.00
72	Garage 3	1	A	Partition wall	Drywall	Fair	Biege	0.7	Negative	N/A	0.00
73	Exterior	1	D	Wall	Stucco	Fair	Biege	0.7	Negative	N/A	0.01
74	Exterior	1	A	Wall	Stucco	Fair	Biege	0.7	Negative	N/A	0.00
75	Exterior	1	A	Wall pipe	Metal	Fair	White	0.7	Negative	N/A	0.23
76	Exterior	1	A	Wall panel	Metal	Fair	Biege	0.7	Negative	N/A	0.03
77	Exterior	1	B	Wall	Stucco	Fair	Purple	0.7	Negative	N/A	0.03
78	Exterior	1	C	Wall	Stucco	Fair	White	0.7	Negative	N/A	0.00
79	Exterior	1	D	Fascia	Metal	Fair	Biege	0.7	Negative	N/A	0.04
				Shed 2							
80	Exterior wall	1	B	Wall	Metal	Fair	Black	0.7	Negative	N/A	0.00
81	Exterior wall	1	B	Wall Frame	Wood	Fair	Biege	0.7	Negative	N/A	0.00
82	Exterior frame	1	D	Wall	Metal	Fair	Violet	0.7	Negative	N/A	0.00
83				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.00
84	End			Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	1.00
85				Standard Calibration Check 1.04 +/- 0.06 mg/cm^2				0.7	Positive	N/A	0.90

Notes:

mg/cm^2 - micrograms per cubic centimeter

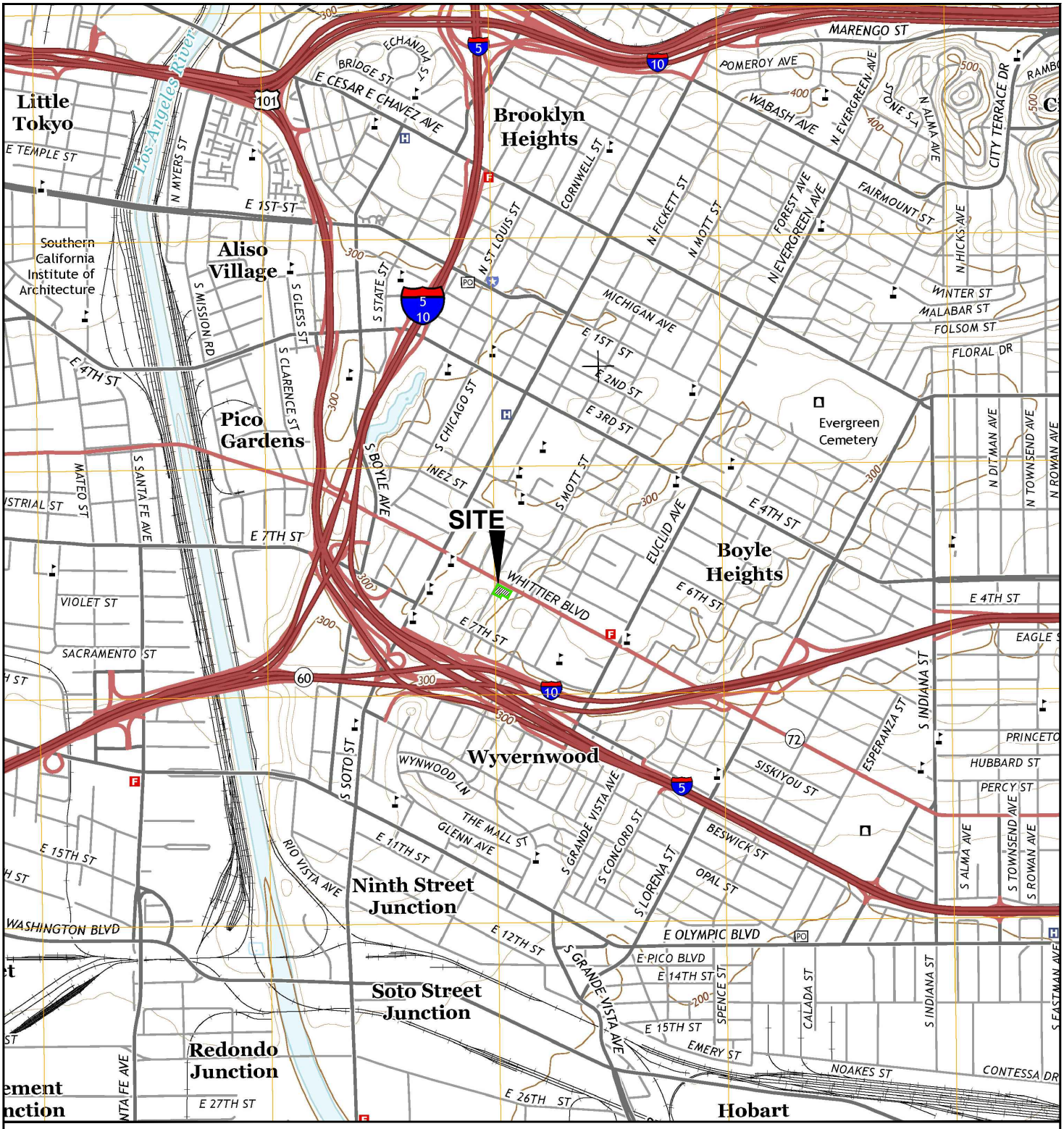
No. - number

N/A - not applicable

SF - square feet

XRF - X-Ray fluorescence

FIGURE



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2015.

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FIGURE 1

SITE LOCATION

2500 WHITTIER BOULEVARD
LOS ANGELES, CALIFORNIA

209403013 I 7/18

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

LEGEND

SITE BOUNDARY LOCATION OF EXISTING BUILDING

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOGLE EARTH, 2018.

N

FEET

0 60 120

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FIGURE 2

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

SITE PLAN

2500 WHITTIER BOULEVARD
LOS ANGELES, CALIFORNIA

209403013 I 7/18

APPENDIX A

Consultant Certificates

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Michael S Cushner
Name

Certification No. **11-4711**

Expires on **07/20/18**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related Construction Certificate	Certificate Type	Expiration Date
	Inspector/Assessor	09/26/2018
	Project Monitor	09/26/2018

Michael S. Cushner **ID #: 16953**

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Pedro Rodriguez-Mendez

Name

Certification No. **13-5109**

Expires on **01/15/19**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type

Sampling Technician

Expiration Date

01/09/2019

Pedro Rodriguez

ID #: 23793

APPENDIX B

California Department of Public Health Form 8552

State of California—Health and Human Services Agency | California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 5/23/18

Section 2 — Type of Lead Hazard Evaluation (Check one box only)

☑ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
2500 Whittier Blvd	Los Angeles	Los Angeles	90023

Construction date (year) of structure	Type of structure		Children living in structure?	
Unknown	☑ Multi-unit building	☐ School or daycare	☐ Yes	☑ No
	☐ Single family dwelling	☑ Other_____	☐ Don't Know	

Section 4 — Owner of Structure (if business/agency, list contact person)

Name	Telephone number
City of Los Angeles / Nur D. Malhis	213.85.4737

Address [number, street, apartment (if applicable)]	City	State	Zip Code
1149 S. Broadway St, Suite 830	Los Angeles	CA	90015

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☐ No lead-based paint detected ☑ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected

☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other_____

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Michael Cushner	949.753.7070

Address [number, street, apartment (if applicable)]	City	State	Zip Code
475 Goddard #200	Irvine	CA	92618

CDPH certification number	Signature	Date
16953	[signature]	6-20-18

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Pedro Rodriguez 13-5109

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

CDPH 8552 (6/07)

APPENDIX C

Analytical Results and Chain-of-Custody Records

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134

Tel/Fax: (206) 269-6310 / (206) 900-8789

http://www.emsl.com / seattlelab@emsl.com

EMSL Order:	511801433
Customer ID:	32ninm50
Customer PO:	
Project ID:	

Attention:	Michael Cushner	**Phone:**	(949) 795-2599
	Ninyo & Moore	**Fax:**	
	475 Goddard	**Received Date:**	05/23/2018 1:50 PM
	Suite 200	**Analysis Date:**	05/29/2018 - 05/30/2018
	Irvine, CA 92618	**Collected Date:**	
Project:	209403013 Boyle Heights/ Sports Center Gym		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1 *511801433-0001*	Window putty: Bldg 1 exteriror, 2nd floor @window S	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2 *511801433-0002*	Window putty: Bldg 1 exteriror, 2nd floor @window S	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
3 *511801433-0003*	Window putty: Bldg 1 exteriror, 2nd floor @window W	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
4 *511801433-0004*	Brick mortar: Bldg 1 exterior, front brick N	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
5 *511801433-0005*	Brick mortar: Bldg 1 exterior, front brick NW	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
6 *511801433-0006*	Brick mortar: Bldg 1 exterior, front brick NE	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
7-Texture *511801433-0007*	Exterior stucco/felt: Bldg 1 exterior, wall NE	White/Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
7-Stucco *511801433-0007A*	Exterior stucco/felt: Bldg 1 exterior, wall NE	Gray/White Non-Fibrous Homogeneous	3% Cellulose	15% Quartz 82% Non-fibrous (Other)	None Detected
7-Felt *511801433-0007B*	Exterior stucco/felt: Bldg 1 exterior, wall NE	Black Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
8-Texture *511801433-0008*	Exterior stucco/felt: Bldg 1 exterior, wall SE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
8-Stucco *511801433-0008A*	Exterior stucco/felt: Bldg 1 exterior, wall SE	Gray/Green Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
8-Felt *511801433-0008B*	Exterior stucco/felt: Bldg 1 exterior, wall SE	Black Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
9-Texture *511801433-0009*	Exterior stucco/felt: Bldg 1 exterior, wall SW	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
9-Stucco *511801433-0009A*	Exterior stucco/felt: Bldg 1 exterior, wall SW	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
9-Felt *511801433-0009B*	Exterior stucco/felt: Bldg 1 exterior, wall SW	Black Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
10-Finish Coat *511801433-0010*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor W	White/Green Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 05/30/2018 15:38:17

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3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134
Tel/Fax: (206) 269-6310 / (206) 900-8789
http://www.emsl.com / seattlelab@emsl.com

EMSL Order:	511801433
Customer ID:	32ninm50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
Inseparable paint / coating layer included in analysis					
10-Base Coat *511801433-0010A*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor W	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
10-Concrete *511801433-0010B*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor W	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
11-Finish Coat *511801433-0011*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor NW	White/Green Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	<1% Chrysotile
11-Base Coat *511801433-0011A*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor NW	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
11-Concrete *511801433-0011B*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor NW	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
12-Finish Coat *511801433-0012*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor E	White/Green Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	<1% Chrysotile
12-Base Coat *511801433-0012A*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor E	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
12-Concrete *511801433-0012B*	Baseboard, plaster, concrete: Bldg 1 main/central room, 1st floor E	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
13-Cove Base *511801433-0013*	Cove base (4") brown and glue: Bldg 1 main/central, 1st floor N wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-Mastic *511801433-0013A*	Cove base (4") brown and glue: Bldg 1 main/central, 1st floor N wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-Concrete *511801433-0014*	Floor concrete: Bldg 1 adjacent to kitchen, 1st floor floor under tile	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
14-Mastic *511801433-0014A* *Small amount of material*	Floor concrete: Bldg 1 adjacent to kitchen, 1st floor floor under tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
15 *511801433-0015*	Floor concrete: Bldg 1 main/central room, 1st floor floor under tile E	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
16 *511801433-0016*	Floor concrete: Bldg 1 main/central room, 1st floor floor under tile W	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected

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3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134
Tel/Fax: (206) 269-6310 / (206) 900-8789
http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511801433
Customer ID: 32ninm50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
17-Floor Tile *511801433-0017*	1'x1' VFT and mastic w/leveling compound: Bldg 1 main/central room, 1st floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
17-Mastic *511801433-0017A*	1'x1' VFT and mastic w/leveling compound: Bldg 1 main/central room, 1st floor	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
17-Leveler *511801433-0017B*	1'x1' VFT and mastic w/leveling compound: Bldg 1 main/central room, 1st floor	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-Floor Tile *511801433-0018*	1'x1' VFT and mastic: Bldg 1 1st floor room 1 NE	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
18-Mastic *511801433-0018A*	1'x1' VFT and mastic: Bldg 1 1st floor room 1 NE	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
19-Floor Tile *511801433-0019*	1'x1' VFT and mastic: Bldg 1 1st floor room 2 N	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
19-Mastic *511801433-0019A*	1'x1' VFT and mastic: Bldg 1 1st floor room 2 N	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
20-Floor Tile *511801433-0020*	9"x9" VFT w/mastic and leveling compound: Bldg 1 E of kitchen, 1st floor central	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
20-Mastic *511801433-0020A*	9"x9" VFT w/mastic and leveling compound: Bldg 1 E of kitchen, 1st floor central	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-Floor Tile *511801433-0021*	9"x9" VFT w/mastic: Bldg 1 Kitchen floor, 1st floor central	Tan Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
21-Mastic *511801433-0021A*	9"x9" VFT w/mastic: Bldg 1 Kitchen floor, 1st floor central	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Floor Tile *511801433-0022*	9"x9" VFT w/mastic: Bldg 1 W of Kitchen, 1st floor central	Brown Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
22-Mastic *511801433-0022A*	9"x9" VFT w/mastic: Bldg 1 W of Kitchen, 1st floor central	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Finish Coat *511801433-0023*	Button board (plaster and drywall): Bldg 1 Room E of kitchen wall, 1st floor	White/Green Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	<1% Chrysotile
23-Base Coat *511801433-0023A*	Button board (plaster and drywall): Bldg 1 Room E of kitchen wall, 1st floor	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected
23-Drywall *511801433-0023B*	Button board (plaster and drywall): Bldg 1 Room E of kitchen wall, 1st floor	Brown/White Fibrous Heterogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected

Initial report from: 05/30/2018 15:38:17

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http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511801433
Customer ID: 32ninm50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
24-Finish Coat *511801433-0024*	Button board (plaster and drywall): Bldg 1 main central room, E wall	White/Green Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	<1% Chrysotile
24-Base Coat *511801433-0024A*	Button board (plaster and drywall): Bldg 1 main central room, E wall	Gray Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 83% Non-fibrous (Other)	None Detected
24-Drywall *511801433-0024B*	Button board (plaster and drywall): Bldg 1 main central room, E wall	Brown/White Fibrous Heterogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
25-Finish Coat *511801433-0025*	Button board (plaster and drywall): Bldg 1 2nd floor SE room wall	White/Green Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	<1% Chrysotile
25-Base Coat *511801433-0025A*	Button board (plaster and drywall): Bldg 1 2nd floor SE room wall	Gray Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 83% Non-fibrous (Other)	None Detected
25-Drywall *511801433-0025B*	Button board (plaster and drywall): Bldg 1 2nd floor SE room wall	Brown/White Fibrous Heterogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
26-Finish Coat *511801433-0026*	Button board (plaster and drywall): Bldg 1 2nd floor SW room wall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Base Coat *511801433-0026A*	Button board (plaster and drywall): Bldg 1 2nd floor SW room wall	Gray Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 83% Non-fibrous (Other)	None Detected
26-Drywall *511801433-0026B*	Button board (plaster and drywall): Bldg 1 2nd floor SW room wall	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
27-Finish Coat *511801433-0027*	Button board (plaster and drywall): Bldg 1 1st floor kitchen ceiling	Tan/Green Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	<1% Chrysotile
27-Base Coat *511801433-0027A*	Button board (plaster and drywall): Bldg 1 1st floor kitchen ceiling	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected
27-Drywall *511801433-0027B*	Button board (plaster and drywall): Bldg 1 1st floor kitchen ceiling	Brown/White Fibrous Heterogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
28-Finish Coat *511801433-0028*	Button board (plaster and drywall): Bldg 1 2nd floor SE room ceiling	Gray/Green Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	<1% Chrysotile
28-Base Coat *511801433-0028A*	Button board (plaster and drywall): Bldg 1 2nd floor SE room ceiling	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected

Initial report from: 05/30/2018 15:38:17

EMSL Analytical, Inc.
3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134
Tel/Fax: (206) 269-6310 / (206) 900-8789
http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511801433
Customer ID: 32ninm50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
28-Drywall *511801433-0028B*	Button board (plaster and drywall): Bldg 1 2nd floor SE room ceiling	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
29-Finish Coat *511801433-0029*	Button board (plaster and drywall): Bldg 1 2nd floor SE room	Green Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	<1% Chrysotile
29-Base Coat *511801433-0029A*	Button board (plaster and drywall): Bldg 1 2nd floor SE room	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected
29-Drywall *511801433-0029B*	Button board (plaster and drywall): Bldg 1 2nd floor SE room	Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
30-Drywall *511801433-0030*	Drywall and joint compound: Bldg 1 1st floor N room 1, wall	Brown/White Fibrous Heterogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
30-Joint Compound *511801433-0030A*	Drywall and joint compound: Bldg 1 1st floor N room 1, wall	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
31-Drywall *511801433-0031*	Drywall and joint compound: Bldg 1 1st floor N room 2, wall	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
31-Joint Compound *511801433-0031A* *Inseparable paint / coating layer included in analysis*	Drywall and joint compound: Bldg 1 1st floor N room 2, wall	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
32-Drywall *511801433-0032*	Drywall and joint compound: Bldg 1 1st floor main/central room N	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
32-Joint Compound *511801433-0032A*	Drywall and joint compound: Bldg 1 1st floor main/central room N	White Non-Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	2% Chrysotile
33-Shingle *511801433-0033*	Roof core/asphalt sheeting: Bldg 2 roof N	White/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
33-Felt *511801433-0033A*	Roof core/asphalt sheeting: Bldg 2 roof N	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
34-Shingle *511801433-0034*	Roof core/asphalt sheeting: Bldg 2 roof central	White/Black Fibrous Heterogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
34-Felt *511801433-0034A*	Roof core/asphalt sheeting: Bldg 2 roof central	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
35-Shingle *511801433-0035*	Roof core/asphalt sheeting: Bldg 2 roof S	Gray/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
35-Felt *511801433-0035A*	Roof core/asphalt sheeting: Bldg 2 roof S	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
36 *511801433-0036*	Penetration mastic: Bldg 2 roof @ pipe	Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
37 *511801433-0037*	Penetration mastic: Bldg 2 roof @ electrical conduit	Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected

Initial report from: 05/30/2018 15:38:17

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
38 *511801433-0038*	Penetration mastic: Bldg 2 roof @ patch	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
39-Shingle *511801433-0039*	Parapet wall/asphalt sheeting: Bldg 2 roof SE	White/Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (Other)	None Detected
39-Felt *511801433-0039A*	Parapet wall/asphalt sheeting: Bldg 2 roof SE	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
40-Shingle *511801433-0040*	Parapet wall/asphalt sheeting: Bldg 2 roof S	White/Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
40-Felt *511801433-0040A*	Parapet wall/asphalt sheeting: Bldg 2 roof S	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
41-Shingle *511801433-0041*	Parapet wall/asphalt sheeting: Bldg 2 roof SW	White/Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
41-Felt *511801433-0041A*	Parapet wall/asphalt sheeting: Bldg 2 roof SW	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
42-Stucco *511801433-0042*	Exterior stucco and felt: Bldg 2 exterior wall NE	Gray/White Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
42-Felt *511801433-0042A*	Exterior stucco and felt: Bldg 2 exterior wall NE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
43-Stucco *511801433-0043*	Exterior stucco and felt: Bldg 2 exterior wall SE	Gray/White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
43-Felt *511801433-0043A*	Exterior stucco and felt: Bldg 2 exterior wall SE	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
44-Finish Coat *511801433-0044*	Exterior stucco and felt: Bldg 2 exterior wall W	Tan Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
44-Base Coat *511801433-0044A*	Exterior stucco and felt: Bldg 2 exterior wall W	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
44-Felt *511801433-0044B*	Exterior stucco and felt: Bldg 2 exterior wall W	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
45 *511801433-0045*	Window putty: Bldg 2 exterior N window	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46 *511801433-0046*	Window putty: Bldg 2 exterior N window	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47 *511801433-0047*	Window putty: Bldg 2 exterior N window	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Finish Coat *511801433-0048*	Button board/plaster and drywall: Bldg 2 garage 1 perimeter walls S	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48-Base Coat *511801433-0048A*	Button board/plaster and drywall: Bldg 2 garage 1 perimeter walls S	Gray Non-Fibrous Homogeneous	2% Cellulose	15% Quartz 83% Non-fibrous (Other)	None Detected
48-Drywall *511801433-0048B*	Button board/plaster and drywall: Bldg 2 garage 1 perimeter walls S	Brown/White Fibrous Heterogeneous	15% Cellulose	70% Gypsum 15% Non-fibrous (Other)	None Detected
49-Finish Coat *511801433-0049*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls E	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49-Base Coat *511801433-0049A*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls E	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected
49-Drywall *511801433-0049B*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls E	Brown/White Fibrous Heterogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
50-Finish Coat *511801433-0050*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls W	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50-Base Coat *511801433-0050A*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls W	Gray Non-Fibrous Homogeneous	2% Cellulose	20% Quartz 78% Non-fibrous (Other)	None Detected
50-Drywall *511801433-0050B*	Button board/plaster and drywall: Bldg 2 garage 3 perimeter walls W	Tan/Pink Fibrous Homogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
51-Finish Coat *511801433-0051*	Button board/plaster and drywall: Bldg 2 garage 1 ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51-Base Coat *511801433-0051A*	Button board/plaster and drywall: Bldg 2 garage 1 ceiling	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
51-Drywall *511801433-0051B*	Button board/plaster and drywall: Bldg 2 garage 1 ceiling	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
52-Finish Coat *511801433-0052*	Button board/plaster and drywall: Bldg 2 garage 2 ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52-Base Coat *511801433-0052A*	Button board/plaster and drywall: Bldg 2 garage 2 ceiling	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
52-Drywall *511801433-0052B*	Button board/plaster and drywall: Bldg 2 garage 2 ceiling	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
53-Cove Base *511801433-0053*	4" cove base and glue: Bldg 2 garage 1 wall N	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53-Mastic *511801433-0053A*	4" cove base and glue: Bldg 2 garage 1 wall N	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
54-Drywall *511801433-0054*	Drywall and joint compound: Bldg 2 garage 1 N wall	Brown/White Fibrous Heterogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
54-Joint Compound *511801433-0054A*	Drywall and joint compound: Bldg 2 garage 1 N wall	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
55-Drywall *511801433-0055*	Drywall and joint compound: Bldg 2 garage 1 NE wall	Brown/White Fibrous Heterogeneous	15% Cellulose	65% Gypsum 20% Non-fibrous (Other)	None Detected
55-Joint Compound *511801433-0055A*	Drywall and joint compound: Bldg 2 garage 1 NE wall	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
56-Drywall *511801433-0056*	Drywall and joint compound: Bldg 2 garage 3 S wall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
56-Joint Compound *511801433-0056A*	Drywall and joint compound: Bldg 2 garage 3 S wall	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
57 *511801433-0057*	Slab concrete/floor: Bldg 2 garage 1 NE floor	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
58 *511801433-0058*	Slab concrete/floor: Bldg 2 garage 3 NE floor	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
59 *511801433-0059*	Slab concrete/floor: Bldg 2 garage 3 NE floor	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
60 *511801433-0060*	Roof core/asphalt shingles: Shed 1 roof N	Gray/Black Fibrous Heterogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
61 *511801433-0061*	Roof core/asphalt shingles: Shed 1 roof NW	Black Fibrous Heterogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
62 *511801433-0062*	Roof core/asphalt shingles: Shed 1 roof SW	Gray/Black Non-Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
63 *511801433-0063* *Inseparable paint / coating layer included in analysis*	Ext. stucco: Shed 1 exterior walls N	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
64 *511801433-0064*	Ext. stucco: Shed 1 exterior walls SW	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
65 *511801433-0065*	Ext. stucco: Shed 1 exterior walls NE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
66 *511801433-0066*	Asphalt/concrete: 2500 whittier blvd/site, parking lot area W	Black Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
67 *511801433-0067*	Asphalt/concrete: 2500 whittier blvd/site, parking lot area central	Gray/Black Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
68 *511801433-0068*	Asphalt/concrete: 2500 whittier blvd/site, parking lot area E	Gray/Black Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected

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Analyst(s)
Jason Stuhr (86)
Rudy Baum (44)

Lauren Kerber, Laboratory Manager
or Other Approved Signatory

Initial report from: 05/30/2018 15:38:17

GEN-FM-10-1: Sample Transfer-One Time
Revision 4.2
Revision Date: 1/05/2016
Effective Date: 1/05/2016

EMSL Analytical, Inc.

Sample Transfer Form

#511801433

Receiving Lab:	EMSL- Huntington Beach	**Phone Number:**	
		Fax Number:	
Relinquished to:	EMSL- Seattle	**Phone Number:**	
		Fax Number:	
Does new lab hold equivalent or additional accreditation? *		☒ Yes ☐ No	
EMSL Customer ID # (if known):	32ninm50		
Client Name:	Ninyo & Moore		
Client Project:	209403013 Boyle Heights/ Sports Center Gym		
Tests to be Performed:	PLM		
Date Received:	5/23/18		
Date Relinquished:	5/24/18		
Date Due:	3 day TAT DUE 5/30 1:50p		
Special Instructions: (e.g. Work Order # , required qualifications, project specific procedures/modifications)	Per Michael C. okay to send out to Seattle- CT 5/24/18 *Verified and counted for by HB admin*		
Relinquished by (Signature):	**Date:** 5/24	**Received by (Signature):**	**Date:**
Relinquished by (Signature):	**Date:**	**Received by (Signature):**	**Date:**

Customer Agreement- Please sign form and send to the receiving laboratory. By signing below, you agree to permit the above named receiving lab to transfer samples to a separate EMSL lab with equivalent qualifications* for analysis. The final report will be issued from the analyzing laboratory. Ensure any requirements are listed in special instructions.

Name (please print):	**Signature:**	**Agent of:**	**Date:**
Carolynn Tom			

If this is a recurring project or sample type that may require samples to be relinquished on a regular basis, a Standing Agreement form must be completed.

* Receiving and analyzing labs shall be aware of required qualifications of project prior to transfer of samples.

Note: If customer has been notified and approved this transfer verbally or by e-mail, the receiving lab must sign for the customer above. EMSL employee filling out form on behalf of customer shall print name of person to whom they spoke, date agreement was received, and then sign under Signature.

ASBESTOS BULK SAMPLE DATA SHEET

#511801433

Sheet 1 of 6

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	Project Name: Boyle Heights/Sports Center Gym Project No.: 209403013 Project Manager: Michael Cushner mcushner@ninyoandmoore.com	Date Sampled: 5/23/18 Sampled By: Pedro Rodriguez prodriguez@ninyoandmoore.com	Laboratory: LA Testing Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Analysis: PLM EPA 600/R-93/116 TAT: Standard/Normal 1-Week

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	*Received By: (sign/print)	Laboratory
/ Pedro Rodriguez	Ninyo & Moore	5/23/18		Chom(WF) ✓ / 5/23 2:15P	
/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	1	Building 1	Exterior - 2nd floor - @ window - S	1	Window Putty	8 total	Y	good
	2		- 2nd Floor @ window - S					
	3		- 2nd Floor - W					
	4		- Front/Brick - North	2	Brick Mortar	400 SF	N	
	5		- NW					
	6		- NE					
	7		- Wall - NE	3	Exterior Stucco + Felt	2,500 SF		
	8		- Wall - SE					
	9		- Wall - SW					
	10		Main/Central Room - 1st Floor - W	4	Baseboard Plaster + concrete	200 SF	N	good
	11		- NW					
	12		- E					
	13		Main/Central - North wall - 1st.	5	Cove base (4") + glue beam	150 LF	N	good

#511801433 Sheet 2 of 6

ASBESTOS BULK SAMPLE DATA SHEET

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CHAIN OF CUSTODY INFORMATION: Analysis: PLM EPA 600/R-93/116 TAT: Standard/Normal

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/ Pedro Rodriguez	Ninyo & Moore	5/23/18		/	
/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	14	Building 1	Adjacent to Kitchen - 1st Floor under Tile	6	Floor Concrete	2,500 SF	N	good
	15		Main/Central Room - 1st Floor - E under Tile					
	16		- 1st - W					
	17		Main/Central Room - 1st Floor	6/7	1x1' VFT + Mastic + Leveling Compound	1,650 SF	N	
	18		ROOM 1 - NE	6	1x1' VFT + Mastic			
	19		ROOM 2 - N	6				
	20		East of Kitchen - Central - 1st Floor	8/7	9"x9" VFT + Mastic + Leveling Comp.	850 SF	N	
	21		Kitchen Floor - Central - 1st Floor	8	9"x9" VFT + Mastic			
	22		West of Kitchen - 1st Floor	8				
	23		Room East of Kitchen Wall - 1st - East	9	Button Board (Plaster + Drywall)	5,000 SF	N/A	
	24		Main/Central Room Wall					
	25		2nd Floor Southeast Room Wall					
	26		2nd Floor South-west Room wall					

ASBESTOS BULK SAMPLE DATA SHEET

#511801433

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CHAIN OF CUSTODY INFORMATION: Analysis: PLM EPA 600/R-93/116 TAT: Standard/Normal

Relinquished By: (sign/print)	Company	Date	Time(24 hr.)	Received By: (sign/print)	Laboratory
/ Pedro Rodriguez	Ninyo & Moore	5/23/18		/	
/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	27	Building 1	1st Floor Kitchen Ceiling	9	Bottom board (Plaster + Drywall)	5,000	Y/N	good
	28		2nd Floor South west Room ceiling.					
	29		2nd Floor South east Room					
	30		1st Floor North Room 1 - wall	10	Drywall + Joint Compound.	250 SF	Y	
	31		1st Floor North Room 2					
	32		1st Floor Maid/Central Room - North					
	33	Building 2	Roof - North	11	Roof Cove / Asphalt Sheeting	1,000 SF	N	good
	34		- Central					
	35		- South					
	36		Roof - @ pipe	12	Penetration Mastic	6SF	N	good
	37		- @ electrical Conduit					
	38		- @ patch					
	39		Roof - South east	13	Parapet Wall / asphalt sheeting	30SF	N	good

#511801433

Sheet 4 of 6

ASBESTOS BULK SAMPLE DATA SHEET

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CHAIN OF CUSTODY INFORMATION: Analysis: PLM EPA 600/R-93/116 TAT: Standard/Normal

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	*Received By: (sign/print)	Laboratory
/ Pedro Rodriguez	Ninyo & Moore	5/23/18		/	
/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	40	Building 2	Roof - South	13	Parapet wall / Asphalt Sheeting	30 SF	N	good
	41	↓	↓ - South West	13	↓ ↓	↓	↓	↓
	42		Exterior wall - NE	14	Exterior Stucco + Felt	1,700 SF	N	
	43		↓ ↓ - SE	↓	↓ ↓	↓	↓	↓
	44		↓ ↓ - W	↓	↓ ↓	↓	↓	↓
	45		Exterior North windows	15	Window Putty	2 total	N	
	46		↓ ↓	↓	↓ ↓	↓	↓	↓
	47	↓	↓ ↓	↓	↓ ↓	↓	↓	↓
	48		Garage 1 Perimeter walls - E/S.	16	Baseboard / Plaster + Drywall	2,500 SF		good
	49		3 ↓ - E	↓	↓ ↓	↓	↓	↓
	50		3 ↓ - W	↓	↓ ↓	↓	↓	↓
	51		1 - Ceiling - O	↓	↓ ↓	↓	↓	↓
	52	↓	2 ↓ - O	↓	↓ ↓	↓	↓	↓

ASBESTOS BULK SAMPLE DATA SHEET

#511801433 Sheet 5 of 6

Ninyo & Moore 475 Goddard, Suite 200 Irvine, CA 92618 Tel: (949) 753-7070 Fax: (949) 753-7071	Project Name: Boyle Heights / Sports Center Gym Project No.: 209403013 Project Manager: Michael Cushner mcushner@ninyoandmoore.com	Date Sampled: 5/23/18 Sampled By: Pedro Rodriguez prodriguez@ninyoandmoore.com	Laboratory: LA Testing Tel: Fax:

CHAIN OF CUSTODY INFORMATION: Analysis: PLM EPA 600/R-93/116 TAT: Standard/Normal

Relinquished By: (sign/print)	Company	Date	Time (24 hr.)	Received By: (sign/print)	Laboratory
/ Pedro Rodriguez	Ninyo & Moore	5/23/18		/	
/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	53	Building 2	Gange 1, Wall - N	17	4" Cove base + Glue	100LF	N	good
	54		Gange 1 - N Wall	18	Drywall + Joint Comp.	600SF	Y	good
	55		1 - NE Wall					
	56		3 - South Wall					
	57		Gange 1 - NE - Floor	19	Slab Concrete / Floor	1,000 SF	N	
	58		3 - NE					
	59		3 - SE					
	60	Shed 1	Roof - N	20	Roof Cove / asphalt sheetings	120 SF		
	61	Shed 1	- NW					
	62		- SW					
	63		Exterior Wall - N	21	Ext. Stucco Plaster	400 SF		
	64		- SW					
	65		- NE					

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/				/	

LabID	Sample ID	Building Number	Sample Location	HA No.	Sample Description	Quantity (SF/LF/EA)	Friable (Y/N)	Condition
	66	2500 Whittier Blvd (Site)	Parking Lot Area - West	22	Asphalt Concrete	To be calc.	N	Fair
	67	↓	↓ - Central	↓	↓	↓	↓	↓
	68	↓	↓ - East	↓	↓	↓	↓	↓

APPENDIX D

Photographs

Photograph 1: **General front view of Building 1.**

Photograph 2: **Building 1: view of asbestos-containing window putty.**

Photograph 3: **Building 1: view of asbestos-containing exterior stucco.**

Photograph 4: **Building 1: view of asbestos-containing baseboard plaster.**

Photograph 5: **Building 1: view of asbestos-containing 1'x1' vinyl floor tile and mastic.**

Photograph 6: **Building 1: view of asbestos-containing 9"x9" vinyl floor tile.**

Photograph 7: **Building 1: view of asbestos-containing button board (plaster/drywall) throughout walls and ceilings.**

Photograph 8: **Building 1: view of asbestos-containing joint compound associated with drywall.**

Photograph 9: **Building 1: view of lead containing door.**

Photograph 10: **General view of Building 2.**

Photograph 11: **Building 2: view of asbestos-containing joint compound associated with drywall.**

Photograph 12: **Building 2: view of restroom with lead containing sink and toilet.**

Photograph 13: General view of shed 1 (green) and shed 2 (yellow).

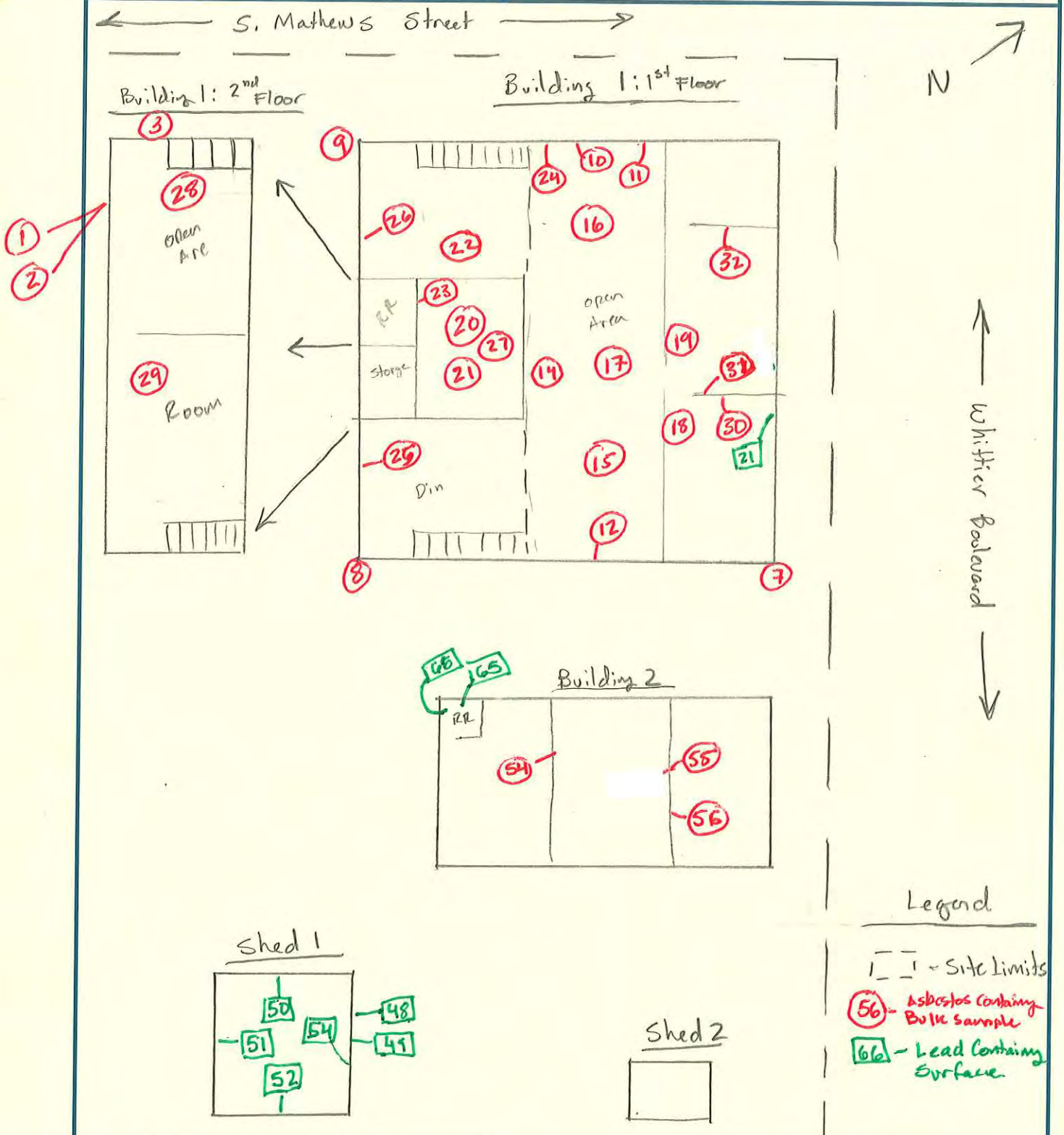
Photograph 14: Shed 1: view of lead-containing main door.

Photograph 15: **Shed 1: view of rodent feces throughout ceiling plenum.**

APPENDIX E

Field Drawings

Project Name: Boyle Heights / Gym Project
Project Number: 209403013
Calculated By: PRM Date: 5/23/18
Checked By: MSC Date: 7/2/18
Scale: Not to Scale. Sheet 1 of 1



Field Drawing of Asbestos and Lead Containing Sample Locations