

HAZARDOUS MATERIALS SURVEY AND REPORT

Poly Academy of Achievers and Leaders (PAAL)

Field Improvement Project

October 13, 2025

Prepared For:

Long Beach Unified School District
2425 Webster Avenue
Long Beach, CA 90810



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Acronyms

ACM	Asbestos-Containing Material
ACCM	Asbestos-Containing Construction Material
LBP	Lead-Based Paint
LCP	Lead-Containing Paint
PCB	Polychlorinated Biphenyl
PLM	Phase Light Microscopy
XRF	X-ray Fluorescence
HVAC	Heating, Air Conditioning, and Ventilation
CAC	Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health
CDPH	California Department of Public Health
ASHERA	Asbestos Hazard Emergency Response Act
ASHARA	Asbestos School Hazard Abatement Reauthorization Act
USEPA	United States Environmental Protection Agency
NVLAP	National Voluntary Laboratory Accreditation Program
HUD	Housing and Urban Development
CFR	Code of Federal Regulations
CCR	California Code of Regulations
SCAQMD	South Coast Air Quality Management District
TTLIC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limits Concentration
TCLP	Toxicity Characteristic Leaching Procedure

Definitions

Accessible when referring to ACM means that the material is subject to disturbance by school building occupants or custodial or maintenance personnel in the course of their normal activities.

Accredited or accreditation when referring to a person or laboratory means that such person or laboratory is accredited in accordance with section 206 of Title II of the Toxic Substances Control Act.

Air erosion means the passage of air over friable ACBM which may result in the release of asbestos fibers.

Asbestos means the asbestiform varieties of: Chrysotile (serpentine); crocidolite (riebeckite); amosite (cumingtonite/grunerite); anthophyllite; tremolite; and actinolite.

Asbestos-containing material (ACM) when referring to school buildings means any material or product which contains more than 1 percent asbestos.

Asbestos-containing construction material (ACM) when referring to school buildings means any material or product which contains more than one-tenth of 1 percent asbestos.

Asbestos-containing building material (ACBM) means surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a school building.

Asbestos debris means pieces of ACBM that can be identified by color, texture, or composition, or means dust, if the dust is determined by an accredited inspector to be ACM.

Damaged friable miscellaneous ACM means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

Damaged friable surfacing ACM means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

Damaged or significantly damaged thermal system insulation ACM means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

Encapsulation means the treatment of ACBM with a material that surrounds or embeds asbestos fibers in an adhesive matrix to prevent the release of fibers, as the encapsulant creates a membrane over the surface (bridging encapsulant) or penetrates the material and binds its components together (penetrating encapsulant).

Enclosure means an airtight, impermeable, permanent barrier around ACBM to prevent the release of asbestos fibers into the air.

Fiber release episode means any uncontrolled or unintentional disturbance of ACBM resulting in visible emission.

Friable when referring to material in a school building means that the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material after such

previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

Functional space means a room, group of rooms, or homogeneous area (including crawl spaces or the space between a dropped ceiling and the floor or roof deck above), such as classroom(s), a cafeteria, gymnasium, hallway(s), designated by a person accredited to prepare management plans, design abatement projects, or conduct response actions.

High-efficiency particulate air (HEPA) refers to a filtering system capable of trapping and retaining at least 99.97 percent of all monodispersed particles 0.3 μm in diameter or larger.

Homogeneous area means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

Local education agency means (LEA): (1) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381). (2) The owner of any non-public, non-profit elementary, or secondary school building. (3) The governing authority of any school operated under the defense dependent's education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921, et seq.).

Miscellaneous ACM means miscellaneous material that is ACM in a school building.

Miscellaneous material means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Non-friable means material in a school building which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.

Operations and maintenance (O & M) program means a program of work practices to maintain friable ACM in good condition, ensure clean-up of asbestos fibers previously released, and prevent further release by minimizing and controlling friable ACM disturbance or damage.

Potential damage means circumstances in which: (1) Friable ACM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities. (2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

Potential significant damage means circumstances in which: (1) Friable ACM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities. (2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage. (3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

Preventive measures means actions taken to reduce disturbance of ACM or otherwise eliminate the reasonable likelihood of the material's becoming damaged or significantly damaged.

Removal means the taking out or the stripping of substantially all ACM from a damaged area, a functional space, or a homogeneous area in a school building.

Repair means returning damaged ACM to an undamaged condition or to an intact state so as to prevent fiber release.

Response action means a method, including removal, encapsulation, enclosure, repair, operations and maintenance that protects human health and the environment from friable ACM.

Routine maintenance area means an area, such as a boiler room or mechanical room, that is not normally frequented by students and in which maintenance employees or contract workers regularly conduct maintenance activities.

School means any elementary or secondary school as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 2854).

School building means: (1) Any structure suitable for use as a classroom, including a school facility such as a laboratory, library, school eating facility, or facility used for the preparation of food. (2) Any gymnasium or other facility which is specially designed for athletic or recreational activities for an academic course in physical education. (3) Any other facility used for the instruction or housing of students or for the administration of educational or research programs. (4) Any maintenance, storage, or utility facility, including any hallway, essential to the operation of any facility described in this definition of “school building” under paragraphs (1), (2), or (3). (5) Any portico or covered exterior hallway or walkway. (6) Any exterior portion of a mechanical system used to condition interior space.

Significantly damaged friable miscellaneous ACM means damaged friable miscellaneous ACM where the damage is extensive and severe.

Significantly damaged friable surfacing ACM means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

State means a State, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the Northern Marianas, the Trust Territory of the Pacific Islands, and the Virgin Islands.

Surfacing ACM means surfacing material that is ACM.

Surfacing material means material in a school building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

Thermal system insulation means material in a school building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Thermal system insulation ACM means thermal system insulation that is ACM.

Vibration means the periodic motion of friable ACBM which may result in the release of asbestos fibers

REPORTED:	October 13, 2025	PROJECT NO.:	LBUS-25-10467
CLIENT:	Long Beach Unified School District Facilities Development and Planning Branch 2452 Webster Avenue Long Beach, CA 90810		
ATTENTION:	Ms. Griselda Perez		
REF:	Poly Academy of Achievers and Leaders Field Improvement Project 1545 Long Beach Boulevard Long Beach, CA 90813		

1 EXECUTIVE SUMMARY

NV5 Environmental, LP (NV5) conducted hazardous materials surveying and testing for buildings A through H and associated grounds at 1545 Long Beach Boulevard in Long Beach, CA. The inspection was performed in preparation for an upcoming Field Improvement project at the site. Our California Occupation Safety and Health (Cal/OSHA) Certified Site Surveillance Technicians and California Department of Public Health (CDPH) Certified Lead Sampling Technicians conducted the following activities to complete the project:

- Investigation to locate suspect asbestos-containing materials (ACM);
- Investigation to locate suspect lead-based paint (LBP);
- Investigation to locate suspect PCB containing light ballasts and fluorescence light tubes;
- Physical assessment of suspect ACM and LBP;
- Collection of bulk samples of suspect ACM and paint samples for LBP;
- Laboratory analysis of all ACM and LBP samples collected.

Refer to Section 5 in this report for a summary of any identified ACM, LBP, PCBs, and mercury containing products, as well as other universal hazardous wastes.

2 PROJECT BACKGROUND

The Long Beach Unified School District (the “Client”) retained NV5 for this surveying and inspection as part of a new softball and multi-purpose field and associated support amenities project at the Site. At the direction of Jim Byers, California Occupational Safety and Health (Cal/OSHA) Certified Asbestos Consultant (CAC #06-4122) and California Department of Public Health (CDPH) Lead Inspector/Assessor, Tom Jenkins, a Cal/OSHA Certified Site Surveillance Technician (CSST #19-6698) and CDPH Certified Lead Sample Technician, and Jorge Robles, a Cal/OSHA Certified Site Surveillance Technician (CSST #17-6028) and CDPH Certified Lead Sample Technician conducted onsite surveying and testing. The survey was conducted on various dates from September 10 to September 26, 2025.

The site is a credit recovery high school serving 11th and 12th grade students which consists of multiple portable classroom buildings with floor finishes consisting of vinyl floor tile, ceramic tile, and carpeting. Roofing composition consists of built-up materials and metal sheeting. No signs of structural damage were noted in any of the buildings involved in this survey.

3 HISTORICAL DATA AND SCOPE OF WORK

The hazardous materials surveying and testing involved buildings A through H and associated grounds and included the following:

- Investigation to locate suspect asbestos-containing materials (ACM);
- Investigation to locate suspect lead-based paint (LBP);
- Investigation to locate suspect PCB containing light ballasts and fluorescence light tubes;
- Physical assessment of suspect ACM and LBP;
- Collection of bulk samples of suspect ACM and paint samples for LBP;
- Laboratory analysis of all ACM and LBP samples collected.

Please note that, where accessible, ceiling spaces were inspected for the presence of roofing debris. No roofing debris was observed during this survey.

4 VISUAL SURVEY, SAMPLING METHODOLOGY, AND ANALYTICAL PROCEDURES

4.1 Asbestos

The sampling was conducted using general guidelines set forth in *Federal Register 40 CFR Part 763*. NV5 conducted an initial walkthrough of the site to develop a listing and sampling scheme of suspect materials which required supplemental sampling. Samples were placed in sealable sample containers and assigned a unique sample identification number.

Bulk samples collected from the subject site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Labs (NVLAP #500044-0) located at 1508 East 33rd Street, Signal Hill, CA 90755. The lab can be reached by phone at (562) 206-2770.

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous material is defined as "an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture." Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous material.

It is possible that one sample out of a set of samples collected from a homogeneous material can be positive for asbestos and the remaining samples in the homogeneous material are negative. However, the material must be considered as asbestos-containing. Caution is therefore advised in interpreting results provided herein.

4.2 Lead

The various painted surfaces of the building were tested for lead using a portable XRF spectrum analyzer. The XRF used was the Pb200i, manufactured by Viken Detection, formerly Heuresis of Newton, Massachusetts. XRF readings were taken by using the device “Action Level PCS” mode option. No time setting is required with this option since the device automatically adjusts its reading time to the different paint substrates for precision. The duration of each test result was determined by the substrate density in combination with the age of the radioactive source of the device and the actual reading relative to the abatement level (threshold) chosen. The testing includes a unique combination of room equivalent, building component type, and substrate.

An XRF Performance Characteristic Sheet (PCS) developed jointly by the U.S. Department of Housing and Urban Development (HUD) and the USEPA for the Pb200i was used. The PCS provides information necessary to conduct an inspection of LBP using a specific XRF device. Based on the PCS, no inconclusive readings in the “Action Level PCS” mode were encountered for LBP on brick, concrete, drywall, metal, plaster or wood substrates.

Field calibration checks were performed prior, during and after each XRF lead inspection to determine that the device was functioning within acceptable limits (tolerance) determined by the manufacturer. Three readings of a 1.04 mg/cm² calibration paint film was taken, then three readings from <0.001 calibration film. Each set of readings was averaged and compared to the PCS calibration check limit for the device.

Paint chip samples were collected to determine the weight percent concentration in the painted surfaces that were analyzed by XRF and reported below the USEPA, HUD or Los Angeles County action levels. Paint chip samples were collected for construction safety as defined by *Title 8 CCR Section 1532.1*. Paint chip sample analysis was conducted at AQ Environmental Labs (ELAP #2823) located at 1508 East 33rd Street, Signal Hill, CA 90755. The lab can be reached by phone at (562) 206-2770.

4.3 Polychlorinated Biphenyls (PCBs) in Lighting Equipment

During the inspection, a representative number of fluorescent light fixtures and their associated ballasts were inspected for labeling regarding PCBs. Other mechanical systems that may contain PCBs were also noted and are documented in the results section below.

4.4 Mercury in Fluorescent Light Tubes/Batteries

Fluorescent light tubes, as well as any mercury-containing switches/gauges were inspected, categorized, and quantified. Additionally, the site was inspected for the presence of any battery devices which may need special disposal.

4.5 Refrigerants/Gases

Equipment in which any refrigerants, gases or liquid requiring special handling may have been used were also catalogued during this inspection.

5 RESULTS

5.1 Asbestos

Materials found to contain greater than one percent asbestos by weight as determined by the Phase Light Microscopy (PLM) method of analysis are mandated by the USEPA to be treated and disposed of as asbestos-containing material (ACM), subject to regulation under *40 CFR 61 National Emissions Standards for Hazardous Air Pollutants (NESHAPS)* and *40 CFR 763 Subpart E Asbestos Hazard Emergency Response Act (AHERA)*. Furthermore, when disturbed for construction purposes, these materials are also subject to Cal/OSHA regulation (*Title 8 CCR Section 1529*). Cal/OSHA defines asbestos-containing construction material (ACCM) as that containing greater than 1/10th of 1% asbestos by weight.

The following materials were found to be asbestos-containing, assumed to be asbestos-containing, or contain asbestos in a detectable concentration:

No Materials sampled as part of this survey were found to contain asbestos in detectable amounts based on laboratory analysis.

Please refer to Appendix B for a list of materials sampled as part of this survey.

5.2 Lead

Currently, the State of California, HUD and the USEPA define LBP as paint or other surface coating with lead content equal to or greater than 1.0 milligram per centimeter square (mg/cm²) of surface area by XRF or 5,000 ppm by paint chip analysis. Also, the County of Los Angeles deems surfaces to have “dangerous levels of lead” when concentrations exceed 0.7 mg/cm².

Additionally, Cal/OSHA regulates paints or surfaces with any detectable amount of lead.

Lead based paint was not identified in the samples collected as part of this survey. Please refer to Appendix B for a list of components tested.

The following are results of painted surfaces with detectable levels of lead in paint below 5,000 ppm that were determined by paint chip sampling. When disturbed for construction purposes these surfaces are subjected to Cal/OSHA exposure assessment requirements set forth in *Title 8 CCR, Section 1532.1(d)*. This regulation requires initial employee exposure monitoring to evaluate work exposure during work that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal/OSHA action limit or permissible exposure limit, additional monitoring and respiratory protection are required.

Building A, B, G, H

Component	Sample No.	Substrate	Paint Color	Material Location	Results (mg/cm ²)
Sink	600, 609, 610	Ceramic	White	Building B – Kitchen, Building H – Room 16, Building A – Restrooms	0.2, 0.1, 0.1

Component	Sample No.	Substrate	Paint Color	Material Location	Results (mg/cm ²)
Mop Sink	602	Ceramic	White	Building B – Kitchen, Building A – Restrooms	0.6, 0.6
Urinal	604, 612	Ceramic	White	Building B – Restrooms	0.4, 0.1
Toilet	607	Ceramic	White	Building H – Restrooms	0.1

Building A

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Downspout	PC-A-3	Metal	White	Exterior downspouts	170
Roofing	PC-A-10	Metal	Blue/green	Exterior	140
Eave	PC-A-12	Metal	White	Exterior	190

Building B-1

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Downspout	PC-B1-3	Metal	White	Exterior downspouts	270
Roofing	PC-B1-10	Metal	Blue	Exterior	120

Building E

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Downspout	PC-E-7	Metal	White	Exterior downspouts	130

Building F

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Downspout	PC-F-7	Metal	White	Exterior downspouts	78

Building G

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Downspout	PC-G-7	Metal	White	Exterior downspouts	62

Building H

Component	Sample No.	Substrate	Paint Color	Material Location	Results (ppm)
Eaves	PC-H-11	Metal	White	Exterior	95
Downspout	PC-H-13	Metal	Blue	Exterior	180

Note: Lead-based coatings on ceramic tiles are normally fused into the substrate during manufacture and may not exhibit similar damage characteristics to paints and coatings applied on-site. Unless the ceramic tile coatings are easily separated from their substrate, the recommendations in Section 6 may not apply.

5.3 Polychlorinated Biphenyls (PCBs) and Mercury in Lighting Equipment

Quantities of light ballasts and light tubes, and with mercury thermostats and exit signs observed during the survey are listed in Appendix E. Please see Section 6 regarding recommendations for these components.

5.4 Refrigerants/Gases

Prior to renovation and activities anticipated to impact this material, ensure all refrigerants are properly collected, transported, and disposed of/recycled in accordance with federal and California Air Resource Boards. Personnel

extracting performing the removal and collection activities should be trained in compliance with the EPA's Technician Certification Program.

6 CONCLUSIONS AND RECOMMENDATIONS

This survey and testing were conducted to identify asbestos, lead in paint, PCB-containing light ballasts, PCB-containing window caulking and glazing, mercury in light tubes and switches, as well as any other universal waste that would need to be addressed during a demolition project.

An investigation below soil grade was outside the scope of this project and additional material, such as suspect cementitious asbestos pipes, electrical wiring insulation, or other materials may subsequently be discovered. These materials should be considered positive and treated according. Be advised that subsequent testing and laboratory analysis is recommended should any such sub-surface material be discovered. Furthermore, be advised that specific work plans may need to be prepared and approved by South Coast Air Quality Management District (SCAQMD) should cementitious suspect asbestos piping be discovered during the course of this project.

6.1 Asbestos

Asbestos-containing materials (ACM) were not discovered in the samples collected as part of this limited survey. Refer to Section 5 for a list of materials sampled. If during this project, materials are found or added to the scope of work that are not listed in this report as being sampled, they must be treated as asbestos-containing until subsequent sampling and laboratory analysis prove otherwise.

6.2 Lead

Lead-based paint was not reported during this inspection. Refer to Appendix B in this report for a summary of components sampled as part of this survey. All other painted surfaces not listed above are considered lead-based until confirmatory paint chip sampling proves otherwise.

Disturbances of paints and/or components with any detectable amount of lead are subject to regulation under *Title 8 CCR, Section 1532.1 (d)*. These requirements include awareness training and monitoring to determine worker exposure. This regulation requires initial and on-going (if necessary) employee exposure monitoring to evaluate lead work exposure that disturbs paint with any detectable level of lead. Alta Environmental suggests that engineering controls, respiratory protection and personal protective equipment be employed during any project that disturbs painted surfaces.

All other painted surfaces not listed above are lead-containing until confirmatory paint chip sampling proves otherwise.

6.3 Polychlorinated Biphenyls (PCBs) in Lighting Equipment

Prior to demolition work, the light fixtures must be dismantled, and the ballast exposed so that the label on each light ballast can be examined. If a label is missing or is not clearly labeled "No PCB" by the manufacture, the unit must be assumed to contain PCBs.

All ballasts assumed to contain PCBs shall be removed intact and in a non-destructive manner. Ballasts shall be packaged and disposed of in accordance with Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

Any ballasts that are observed to be leaking shall be properly containerized and disposed of in accordance with 40 CFR 761.

Additionally, any impacted electrical panels or other appropriate machinery should be assumed to contain some form of PCB oil and should be disposed of accordingly.

6.4 Mercury in Florescence Light Tubes/Batteries

All light tubes from this project shall be segregated, packaged and disposed of in accordance with all federal, state, and local regulations and guidelines including CA Title 22 division 4.5 Chapter 11 Section 66261.50. Mercury-containing thermostats, gauges or switches shall be removed by properly trained personnel and disposed of properly.

Ensure that any universal waste battery that shows evidence of leakage, spillage, or damage that could cause leakage are properly contained. All batteries associated with emergency exit signs, emergency lighting, and spent battery devices should be removed intact, packaged and disposed of under Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

6.5 Refrigerants/Gases

Prior to demolition activities ensure all refrigerants/gases associated with HVAC units, etc. are properly collected, transported, and disposed of/recycled in accordance with federal and California Air Resource Boards. Personnel performing the removal and collection activities should be trained in compliance with the EPA's Technician Certification Program.

7 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by the Long Beach Unified School District and may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. NV5 makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

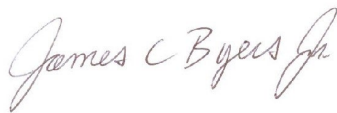
Material quantities are listed within this document. These quantities are not intended to be used for removal bidding purposes. All quantities should be field verified prior to bidding. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate, independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service.

8 SIGNATORY

Respectfully submitted by:

NV5 Environmental, LP



James C. Byers
Senior Consultant/Project Manager
Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
Lead Inspector/Assessor
CDPH #LRC-00001746

Appendix A

Contract Specifications

NA for this project

Appendix B

XRF and Bulk Sample Results

MATERIAL INVENTORY

ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
Carpet adhesive	A-1-1	None Detected	Building A Media Center - NW	Building A: Library, Media Center, Hallways, Copy Room, Counselor Office, & Administrative Area including offices	3600 SF	No	No
	A-1-2	None Detected	Building A Library: middle				
	A-1-3	None Detected	Building A Hallway: at drinking fountain				
4" black cove base and adhesive	A-2-1	None Detected	Building A Media Center: northwest	Throughout Building A except restrooms	890 LF	No	No
	A-2-2	None Detected	Building A Library: south				
	A-2-3	None Detected	Building A Hallway: at drinking fountain				
Blue, brown and white speckled sheet flooring and adhesive	A-3-1	None Detected	Building A Men's Restroom: southeast	Building A: Men's and Women's Restrooms	300 SF	No	No
	A-3-2	None Detected	Building A Men's Restroom: northwest				
	A-3-3	None Detected	Building A Women's Restroom: southeast				
Gray engineered flooring with adhesive	A-4-1	None Detected	Building A Lounge: south	Building A: Lounge, Conference Room, Nurse's Office, Nurse's Restroom, & Mop Closet	1,100 SF	No	No
	A-4-2	None Detected	Building A Conference Room: northeast				
	A-4-3	None Detected	Building A Mop Closet: east				
12" white w/tan and brown specks floor tile and adhesive	A-5-1	None Detected	Building A Electrical Room: south	Building A Electrical Room	150 SF	No	No
	A-5-2	None Detected	Building A Electrical Room: north				
	A-5-3	None Detected	Building A Electrical Room: east				
Drywall	A-6-1	None Detected	Building A Hallway: south	Throughout Building A	4,800 SF	No	No
	A-6-2	None Detected	Building A Hallway: north				
	A-6-3	None Detected	Building A Lounge: north				
2' x 4' fissured ceiling tile	A-7-1	None Detected	Building A Hallway: south	Throughout Building A	4,700 SF	Yes	No
	A-7-2	None Detected	Building A Hallway: north				
	A-7-3	None Detected	Building A Lounge: north				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
Penetration mastic	A-8-1	None Detected	Building A Roof: north center	Throughout Building A	5 SF	No	No
	A-8-2	None Detected	Building A Roof: center				
	A-8-3	None Detected	Building A Roof: north center				
Gray engineered flooring with adhesive	B-1-1	None Detected	Building B Cafeteria: northeast	Building B Cafeteria	1,900 SF	No	No
	B-1-2	None Detected	Building B Cafeteria: southeast				
	B-1-3	None Detected	Building B Cafeteria: south				
2' x 4' fissured ceiling tile	B-2-1	None Detected	Building B Cafeteria: northeast	Building B Cafeteria	1,900 SF	Yes	No
	B-2-2	None Detected	Building B Cafeteria: southeast				
	B-2-3	None Detected	Building B Cafeteria: south				
Drywall	B-3-1	None Detected	Building B Cafeteria: northeast	Building B Cafeteria	3,370 SF	No	No
	B-3-2	None Detected	Building B Cafeteria: southeast				
	B-3-3	None Detected	Building B Cafeteria:				
4" black cove base and adhesive	B-4-1	None Detected	Building B Cafeteria: northeast	Building B Cafeteria	152 LF	No	No
	B-4-2	None Detected	Building B Cafeteria: southeast				
	B-4-3	None Detected	Building B Cafeteria: south				
2' x 4' drywall ceiling tile	B-5-1	None Detected	Building B Kitchen: southeast	Building B Kitchen	1,400 SF	Yes	No
	B-5-2	None Detected	Building B Kitchen: northeast				
	B-5-3	None Detected	Building B Kitchen: west				
White sheet flooring with adhesive	B-6-1	None Detected	Building B Kitchen: southeast	Building B Kitchen	1,400 SF	No	No
	B-6-2	None Detected	Building B Kitchen: mop closet				
	B-6-3	None Detected	Building B Kitchen: west door				
Penetration mastic	B-7-1	None Detected	Building B Roof: north center	Building B Roof	5 SF	No	No
	B-7-2	None Detected	Building B Roof: north center				
	B-7-3	None Detected	Building B Roof: north				
12" white w/tan and blue dashes floor tile and adhesive	B1-1-1	None Detected	Building B1: southwest	Throughout Building B1	960 SF	No	No
	B1-1-2	None Detected	Building B1: northwest				
	B1-1-3	None Detected	Building B1: southeast				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

Page 3 of 8

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
2' x 4' fissured ceiling tile	B1-2-1	None Detected	Building B1: southwest	Throughout Building B1	960 SF	Yes	No
	B1-2-2	None Detected	Building B1: northwest				
	B1-2-3	None Detected	Building B1: southeast				
Drywall	B1-3-1	None Detected	Building B1: southwest	Throughout Building B1	1,080 SF	No	No
	B1-3-2	None Detected	Building B1: northwest				
	B1-3-3	None Detected	Building B1: southeast				
4" tan cove base and adhesive	B1-4-1	None Detected	Building B1: southwest	Throughout Building B1	120 LF	No	No
	B1-4-2	None Detected	Building B1: northwest				
	B1-4-3	None Detected	Building B1: southeast				
4" brown cove base and adhesive	C-1-1	None Detected	Building C Room 1: southeast	Building C Rooms 1 & 3	252 LF	No	No
	C-1-2	None Detected	Building C Room 3: southeast				
	C-1-3	None Detected	Building C Room 3: northwest				
Drywall	C-2-1	None Detected	Building C Room 1: east	Throughout Building C	3,880 SF	No	No
	C-2-2	None Detected	Building C Room 2: northeast				
	C-2-3	None Detected	Building C Room 2: northeast				
Carpet adhesive	C-3-1	None Detected	Building C Room 1: east	Throughout Building C	2,240 SF	No	No
	C-3-2	None Detected	Building C Room 2: east				
	C-3-3	None Detected	Building C Room 3: south				
2' x 4' fissured ceiling tile	C-4-1	None Detected	Building C Room 2: southeast	Building C Rooms 2 & 3	2,240 SF	Yes	No
	C-4-2	None Detected	Building C Room 2: northeast				
	C-4-3	None Detected	Building C Room 3: northeast				
4" black cove base and adhesive	C-5-1	None Detected	Building C Room 2: north	Building D Room 2	126 LF	No	No
	C-5-2	None Detected	Building C Room 2: south				
	C-5-3	None Detected	Building C Room 2: west				
2' x 4' fissured ceiling tile	D-1-1	None Detected	Building D Room 4: southeast	Throughout Building D	2,760 SF	Yes	No
	D-1-2	None Detected	Building D Room 5: southeast				
	D-1-3	None Detected	Building D Room 6: southeast				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

Page 4 of 8

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
Carpet adhesive	D-2-1	None Detected	Building D Room 4: southeast	Throughout Building D	2,760 SF	No	No
	D-2-2	None Detected	Building D Room 5: east				
	D-2-3	None Detected	Building D Room 6: southwest				
Drywall	D-3-1	None Detected	Building D Room 4: southeast	Throughout Building D	3,880 SF	No	No
	D-3-2	None Detected	Building D Room 5: southeast				
	D-3-3	None Detected	Building D Room 6: southeast				
4" tan cove base and adhesive	D-4-1	None Detected	Building D Room 6: southeast	Building D Room 6	126 LF	No	No
	D-4-2	None Detected	Building D Room 6: southwest				
	D-4-3	None Detected	Building D Room 6: northwest				
4" black cove base and adhesive	D-5-1	None Detected	Building D Room 5: northwest	Building D Room 5	126 LF	No	No
	D-5-2	None Detected	Building D Room 5: east				
	D-5-3	None Detected	Building D Room 5: southeast				
4" brown cove base and adhesive	D-6-1	None Detected	Building D Room 4: northwest	Building D Room 4	126 LF	No	No
	D-6-2	None Detected	Building D Room 4: southeast				
	D-6-3	None Detected	Building D Room 4: southwest				
2' x 4' fissured ceiling tile	E-1-1	None Detected	Building E Room 7: northeast	Throughout Building E	3,840 SF	No	No
	E-1-2	None Detected	Building E Room 8: northeast				
	E-1-3	None Detected	Building E Room 9: northeast				
Drywall	E-2-1	None Detected	Building E Room 7: northeast	Throughout Building E	4,608 SF	Yes	No
	E-2-2	None Detected	Building E Room 8: northeast				
	E-2-3	None Detected	Building E Room 10: northeast				
12" white with tan and brown specks with adhesive	E-3-1	None Detected	Building E Room 7: northwest	Building E Room 7	920 SF	No	No
	E-3-2	None Detected	Building E Room 7: northeast				
	E-3-3	None Detected	Building E Room 7: southeast				
4" brown cove base and adhesive	E-4-1	None Detected	Building E Room 7: northwest	Building E Room 7	126 LF	No	No
	E-4-2	None Detected	Building E Room 7: northeast				
	E-4-3	None Detected	Building E Room 7: southeast				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
4" black cove base and adhesive	E-5-1	None Detected	Building E Room 8: northwest	Building E Rooms 8, 9, & 10	378 SF	No	No
	E-5-2	None Detected	Building E Room 9: northeast				
	E-5-3	None Detected	Building E Room 10: northwest				
Carpet adhesive	E-6-1	None Detected	Building E Room 8: northwest	Building E Rooms 8, 9, & 10	2,880 SF	No	No
	E-6-2	None Detected	Building E Room 9: northeast				
	E-6-3	None Detected	Building E Room 10: northwest				
4" brown cove base and adhesive	F-1-1	None Detected	Building F Room 12: northeast	Building F Room 12	126 LF	No	No
	F-1-2	None Detected	Building F Room 12: southwest				
	F-1-3	None Detected	Building F Room 12: southeast				
Drywall	F-2-1	None Detected	Building F Room 12: southwest	Throughout Building F	2,520 SF	No	No
	F-2-2	None Detected	Building F Room 11: northwest				
	F-2-3	None Detected	Building F Room 12: southeast				
2' x 4' fissured ceiling tile	F-3-1	None Detected	Building F Room 12: southwest	Throughout Building F	1,840 SF	Yes	No
	F-3-2	None Detected	Building F Room 11: northwest				
	F-3-3	None Detected	Building F Room 12: southeast				
4" black cove base and adhesive	F-4-1	None Detected	Building F Room 11: southwest	Building F Room 11	126 LF	No	No
	F-4-2	None Detected	Building F Room 11: southeast				
	F-4-3	None Detected	Building F Room 11: SW on west wall				
Carpet adhesive	F-5-1	None Detected	Building F Room 11: southwest	Throughout Building F	1,840 SF	No	No
	F-5-2	None Detected	Building F Room 11: southeast				
	F-5-3	None Detected	Building F Room 12: northeast				
Gray engineered flooring with adhesive	G-1-1	None Detected	Building G Room 14: north	Building G Rooms 14 & 15	2,000 SF	No	No
	G-1-2	None Detected	Building G Room 14: west				
	G-1-3	None Detected	Building G Room 15: southeast				
4" black cove base and adhesive	G-2-1	None Detected	Building G Room 14: east	Throughout Building G	370 LF	No	No
	G-2-2	None Detected	Building G Room 13: northwest				
	G-2-3	None Detected	Building G Room 15: southwest				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
2' x 4' fissured ceiling tile	G-3-1	None Detected	Building G Room 14: east	Throughout Building G Classrooms	6,000 SF	Yes	No
	G-3-2	None Detected	Building G Room 13: northwest				
	G-3-3	None Detected	Building G Room 15: southwest				
Drywall	G-4-1	None Detected	Building G Room 14: east	Throughout Building G	4,400 SF	No	No
	G-4-2	None Detected	Building G Room 13: northwest				
	G-4-3	None Detected	Building G Room 15: southwest				
White, brown and blue speckled sheet flooring with adhesive	G-5-1	None Detected	Building G Women's Restroom: NE	Building G Restrooms	360 SF	No	No
	G-5-2	None Detected	Building G Men's Restroom: northwest				
	G-5-3	None Detected	Building G Men's Restroom: northeast				
Carpet adhesive	G-6-1	None Detected	Building G Room 13: southeast	Building G Room 13	1,000 SF	No	No
	G-6-2	None Detected	Building G Room 13: northeast				
	G-6-3	None Detected	Building G Room 13: northwest				
4" brown cove base and adhesive	G-7-1	None Detected	Building G Room 13: southeast	Building G Room 13	126 LF	No	No
	G-7-2	None Detected	Building G Room 13: northeast				
	G-7-3	None Detected	Building G Room 13: northwest				
Roof joint/bolt caulking	G-8-1	None Detected	Building G Roof: north center	Building G Roof	5 SF	No	No
	G-8-2	None Detected	Building G Roof: west center				
	G-8-3	None Detected	Building G Roof: east center				
White, brown and blue speckled sheet flooring with adhesive	H-1-1	None Detected	Building H Boy's Restroom: northwest	Building H Girl's and Boy's Restrooms & Maintenance Closet	700 SF	No	No
	H-1-2	None Detected	Building H Boy's Restroom: west				
	H-1-3	None Detected	Building H Maintenance Closet: southwest				
12" white with tan and brown specks floor tile and adhesive	H-2-1	None Detected	Building H Room 17: southwest	Building H Rooms 16, 17, 18, & Storage	3,220 SF	No	No
	H-2-2	None Detected	Building H Storage Room: northwest				
	H-2-3	None Detected	Building H Room 16: southwest				
4" brown cove base and adhesive	H-3-1	None Detected	Building H Room 17: southwest	Building H Rooms 16, 17, 18, & Storage	464 LF	No	No
	H-3-2	None Detected	Building H Storage Room: northwest				
	H-3-3	None Detected	Building H Room 16: southwest				

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
Drywall	H-4-1	None Detected	Building H Room 17: southwest	Throughout Building H	6,520 SF	No	No
	H-4-2	None Detected	Building H Storage Room: northwest				
	H-4-3	None Detected	Building H Room 16: southwest				
2' x 4' fissured ceiling tile	H-5-1	None Detected	Building H Room 17: southwest	Throughout Building H	3,220 SF	Yes	No
	H-5-2	None Detected	Building H Storage Room: northwest				
	H-5-3	None Detected	Building H Room 16: southwest				
Caulking	H-6-1	None Detected	Building H Roof: center	Building H - Roof	5 SF	No	No
	H-6-2	None Detected	Building H Roof: north center				
	H-6-3	None Detected	Building H Roof: west center				
Lab countertops	H-7-1	None Detected	Building H	Building H - Roof	5 SF	No	No
	H-7-2	None Detected	Building H Roof: north center				
	H-7-3	None Detected	Building H Roof: west center				
Asphalt	S-1	None Detected	South Parking Stalls: south (3")	South parking stalls west of school	500 SF	No	No
	S-2	None Detected	South Parking Stalls: west (3.25")				
	S-3	None Detected	South Parking Stalls: north (4")				
Asphalt	N-4	None Detected	North Parking Stalls: south (2.25")	North parking stalls west of school	990 SF	No	No
	N-5	None Detected	North Parking Stalls: east (3.5")				
	N-6	None Detected	North Parking Stalls: north (3")				
Asphalt	W-7	None Detected	West Parking Lot (Southeast area): northeast (3")	Northeast area	700 SF	No	No
	W-8	None Detected	West Parking Lot (Southeast area): south (3")				
	W-9	None Detected	West Parking Lot (Southeast area): northwest (2.5"				

MATERIAL INVENTORY

ASBESTOS SAMPLES

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly HS Field Improvements

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damaged
Concrete	C-10	None Detected	West Entry Gate: west of entrance gate (4.5")	West entry gate	650 SF	No	No
	C-11	None Detected	West Entry Gate: east of entrance gate-northwest (4.5")				
	C-12	None Detected	West Entry Gate: east of entrance gate-southeast (5")				
Asphalt	E-13	None Detected	Northwest of main entry gate: top layer (black-1.5") & bottom layer (gray, rock like-1.5")	Throughout school grounds	23,000 SF	No	No
	E-14	None Detected	North of Building C at Room 1 (3")				
	E-15	None Detected	Northwest of Building H (2.5")				
	E-16	None Detected	Southwest of Building H (4.5")				
	E-17	None Detected	Northeast of Building H (4")				
	E-18	None Detected	Covered Lunch Area (3.75")				
	E-19	None Detected	South of Building A (4")				
Asphalt	P-20	None Detected	South of Building H @ Room 16: north (3")	Patch southeast of building H	450 SF	No	No
	P-21	None Detected	South of Building H @ Room 16: southeast (2")				
	P-22	None Detected	South of Building H @ Room 16: south (1.5")				
Concrete	CNE-23	None Detected	Southeast of Building B-1 (5.5")	Northeast area	3,000 SF	No	No
	CNE-24	None Detected	Northeast of Building A @ Entry Gate (6")				
	CNE-25	None Detected	South of Building A and between Building B (4")				

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Wall	PC-A-1	Wood	White	Bldg A: Media Center-west	Building A - exterior walls	< 46	No	NA
Trim	PC-A-2	Wood	Green	Bldg A: Media Center-west	Building A - exterior trim	< 48	No	NA
Downspout	PC-A-3	Metal	White	Bldg A: Media Center-west	Building A - exterior	170	No	NA
Door	PC-A-4	Metal	Green	Bldg A: Conference room	Building A - exterior	< 49	No	NA
Door casing	PC-A-5	Metal	Green	Bldg A: Conference room	Building A - exterior	< 49	No	NA
Door casing	PC-A-6	Metal	Blue	Bldg A: Conference room	Building A - interior	< 49	No	NA
Door	PC-A-7	Wood	White	Bldg A: Conference room	Building A - interior	< 49	No	NA
Door casing	PC-A-8	Metal	White	Bldg A: Conference room	Building A - interior	< 47	No	NA
Window casing	PC-A-9	Metal	White	Bldg A: Lounge-south	Building A - interior	< 49	No	NA
Gutter	PC-B-1	Plastic	Green	Bldg B: north	Building B - exterior	< 48	No	NA
Downspout	PC-B-2	Metal	White	Bldg B: north	Building B - exterior	< 70	No	NA
Pipe coping	PC-B-3	Metal	White	Bldg B: northeast	Building B - exterior	< 47	No	NA
Trim	PC-B-4	Wood	Green	Bldg B: northeast	Building B - exterior	< 49	Yes	3 SF
Fascia	PC-B-5	Wood	Green	Bldg B: southwest	Building B - east and west exterior	< 46	No	NA
Eaves	PC-B-6	Metal	White	Bldg B: southwest	Building B - south side exterior	< 46	No	NA
Wall	PC-B-7	Wood	White	Bldg B: east	Building B - exterior	< 47	Yes	3 SF
Door	PC-B-8	Metal	Green	Bldg B: south at hot water closet	Building B - Exterior	< 48	No	NA
Door casing	PC-B-9	Metal	Green	Bldg B: south at hot water closet	Building B - Exterior	< 49	No	NA
Door casing	PC-B-10	Metal	Blue	Bldg B: south at hot water closet	Building B - Interior	< 46	No	NA
Window casing	PC-B-11	Wood	White	Bldg B: cafeteria-north	Building B - interior	< 48	No	NA
Door casing	PC-B-12	Metal	White	Bldg B: between cafeteria and kitchen	Building B - interior	< 47	No	NA
Door	PC-B-13	Wood	White	Bldg B: between cafeteria and kitchen	Building B - interior	< 48	No	NA
Wall	PC-B1-1	Wood	White	Bldg B-1: east	Building B-1 - exterior	< 49	No	NA
Trim	PC-B1-2	Wood	Green	Bldg B-1: east	Building B-1 - exterior	< 47	Yes	8 SF
Downspout	PC-B1-3	Metal	White	Bldg B-1: southeast	Building B-1 - exterior	270	No	NA
Door casing	PC-B1-4	Metal	Blue	Bldg B-1: entry	Building B-1 - interior	< 100	No	NA

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Door	PC-B1-5	Metal	Green	Bldg B-1: entry	Building B-1 - exterior	< 46	No	NA
Door casing	PC-B1-6	Metal	Green	Bldg B-1: entry	Building B-1 - exterior	< 49	No	NA
Window casing	PC-B1-7	Wood	White	Bldg B-1: west window	Building B-1 - interior	< 76	No	NA
Fascia	PC-B1-8	Wood	Green	Bldg B-1: southeast	Building B - east and west exterior	< 48	No	NA
Gutter	PC-B1-9	Plastic	Green	Bldg B-1: southeast	Building B - south side exterior	< 49	Yes	2 SF
Roofing	PC-C-1	Metal	Blue/Green	Bldg C: Custodian closet-northeast	Building C - exterior	< 75	No	NA
Eaves	PC-C-2	Metal	White	Bldg C: Room 1-southeast	Building C - east side exterior	< 50	No	NA
Wall	PC-C-3	Wood	White	Bldg C: Room 1-northeast	Building C - exterior	< 47	No	NA
Trim	PC-C-4	Wood	Green	Bldg C: Room 1-northeast	Building C - exterior	< 49	No	NA
Fascia	PC-C-5	Metal	Green	Bldg C: Custodian closet-northeast	Building C - north and south exterior	< 47	Yes	4 SF
Gutter	PC-C-6	Metal	Green	Bldg C: Room 1-northeast	Building C - east and west exterior	< 50	No	NA
Downspout	PC-C-7	Metal	White	Bldg C: Custodian closet-northeast	Building C - exterior	< 49	No	NA
Pipe coping	PC-C-8	Metal	White	Bldg C: Custodian closet-northeast	Building C - exterior	< 50	No	NA
Door	PC-C-10	Metal	Green	Bldg C: Room 2	Building C - exterior	< 54	No	NA
Door casing	PC-C-11	Metal	Green	Bldg C: Room 2	Building C - exterior	< 46	No	NA
Door casing	PC-C-12	Metal	Blue	Bldg C: Room 2	Building C - interior	< 50	No	NA
Window casing	PC-C-13	Metal	White	Bldg C: Room 2	Building C - interior	< 46	No	NA
Roofing	PC-D-1	Metal	Blue/Green	Bldg D: Room 4 northeast	Building D - exterior	< 49	No	NA
Eaves	PC-D-2	Metal	White	Bldg D: Room 4 northeast	Building D - exterior	< 49	No	NA
Wall	PC-D-3	Wood	White	Bldg D: Room 5 west	Building D - exterior	< 48	No	NA
Trim	PC-D-4	Wood	Green	Bldg D: Room 5 west	Building D - exterior	< 50	No	NA

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Downspout	PC-D-5	Metal	White	Bldg D: Room 5 west	Building D - exterior	< 49	No	NA
Pipe coping	PC-D-6	Metal	White	Bldg D: Room 5 west	Building D - exterior	< 46	No	NA
Fascia	PC-D-7	Wood	Green	Bldg D: Room 4 northeast	Building D - north and south exterior	< 47	No	NA
Gutter	PC-D-8	Metal	Green	Bldg D: east	Building D - east and west exterior	< 62	No	NA
Window casing	PC-D-9	Metal	White	Bldg D: Room 4 east	Building D - interior	< 50	No	NA
Roofing	PC-E-1	Metal	Blue/Green	Bldg E: Room 7 northwest	Building E - exterior	< 46	No	NA
Eaves	PC-E-2	Metal	White	Bldg E: Room 7 northwest	Building E - north side exterior	< 50	No	NA
Gutter	PC-E-3	Plastic	Green	Bldg E: Room 7 northwest	Building E - north side exterior	< 49	No	NA
Fascia	PC-E-4	Wood	Green	Bldg E: Room 7 west	Building E - south, east and west exterior	< 48	Yes	4 SF
Wall	PC-E-5	Wood	White	Bldg E: Room 7 southwest	Building E - exterior	< 48	No	NA
Trim	PC-E-6	Wood	Green	Bldg E: Room 7 southwest	Building E - exterior	< 50	No	NA
Downspout	PC-E-7	Metal	White	Bldg E: Room 8 southwest	Building E - exterior	130	No	NA
Door	PC-E-8	Metal	Green	Bldg E: exterior	Building E - exterior	< 47	No	NA
Door casing	PC-E-9	Metal	Green	Bldg E: exterior	Building E - exterior	< 49	No	NA
Door casing	PC-E-10	Metal	Blue	Bldg E: exterior	Building E - interior	< 49	No	NA
Window casing	PC-E-11	Metal	White	Bldg E: exterior	Building E - interior	< 56	No	NA
Roofing	PC-F-1	Metal	Blue/Green	Bldg F: Room 12 northwest	Building F - exterior	< 49	No	NA
Eaves	PC-F-2	Metal	White	Bldg F: Room 12 northwest	Building F - west exterior	< 48	No	NA
Gutter	PC-F-3	Plastic	Green	Bldg F: Room 12 southwest	Building F - exterior	< 46	No	NA
Fascia	PC-F-4	Wood	Green	Bldg F: Room 12 northwest	Building F - south, north and east exterior	< 47	Yes	5 SF

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Wall	PC-F-5	Wood	White	Bldg F: Room 11 southwest	Building F - exterior	< 47	No	NA
Trim	PC-F-6	Wood	Green	Bldg F: Room 11 southwest	Building F - exterior	< 49	No	NA
Downspout	PC-F-7	Metal	White	Bldg F: Room 11 northwest	Building F - exterior	78	No	NA
Door	PC-F-8	Metal	Green	Bldg F: Room 12	Building F - exterior	< 50	No	NA
Door casing	PC-F-9	Metal	Green	Bldg F: Room 12	Building F - exterior	< 47	No	NA
Door casing	PC-F-10	Metal	Blue	Bldg F: Room 12	Building F - interior	< 69	No	NA
Window casing	PC-F-11	Metal	White	Bldg F: Room 12	Building F - interior	< 49	No	NA
Eaves	PC-G-1	Metal	White	Bldg G: Room 15 southwest	Building G - west exterior	< 49	No	NA
Roofing	PC-G-2	Metal	Green/Blue	Bldg G: Room 15 northwest	Building G - exterior	< 49	No	NA
Gutter	PC-G-3	Plastic	Green	Bldg G: Room 15 northwest	Building G - west exterior	< 49	No	NA
Fascia	PC-G-4	Wood	Green	Bldg G: Room 15 northwest	Building G - south, north and east exterior	< 48	No	NA
Wall	PC-G-5	Wood	White	Bldg G: Room 15 northwest	Building G - exterior	< 47	No	NA
Trim	PC-G-6	Wood	Green	Bldg G: Room 15 northwest	Building G - exterior	< 47	No	NA
Downspout	PC-G-7	Metal	White	Bldg G: Exterior	Building G - west exterior	62	No	NA
Door	PC-G-8	Metal	Green	Bldg G: Men's Restroom	Building G - exterior	< 49	No	NA
Door casing	PC-G-9	Metal	Green	Bldg G: Men's Restroom	Building G - exterior	< 49	No	NA
Door casing	PC-G-10	Metal	Blue	Bldg G: Men's Restroom	Building G - interior	< 81	No	NA
Window casing	PC-G-11	Wood	White	Bldg G: Room 14	Building G - interior	< 49	No	NA
Wall	PC-H-1	Wood	White	Bldg H: Girl's restroom-northwest	Building H - exterior	< 46	No	NA
Trim	PC-H-2	Wood	Green	Bldg H: Girl's restroom-northwest	Building H - exterior	< 49	Yes	4 SF

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Downspout	PC-H-3	Metal	White	Bldg H: Storage Room-north	Building H - exterior	< 47	No	NA
Door	PC-H-4	Metal	Green	Bldg H: Boy's Restroom	Building H - exterior	< 47	No	NA
Door casing	PC-H-5	Metal	Green	Bldg H: Boy's Restroom	Building H - exterior	< 47	No	NA
Door casing	PC-H-6	Metal	Blue	Bldg H: Boy's Restroom	Building H - interior	< 50	No	NA
Window casing	PC-H-7	Metal	White	Bldg H: Room 17	Building H - interior	< 55	No	NA
Door	PC-H-8	Wood	White	Bldg H: Room 17	Building H - interior	< 50	No	NA
Door casing	PC-H-9	Metal	White	Bldg H: Room 17	Building H - interior	< 46	No	NA
Roofing	PC-A-10	Metal	Blue/Green	Bldg A Lounge: southeast	Exterior of Building A	140	No	NA
Fascia	PC-A-11	Metal	Green	Bldg A Lounge: southeast	Exterior of Building A: south and north sides	< 50	No	NA
Eaves	PC-A-12	Metal	White	Bldg A: Media Center: south	Exterior of Building A	190	No	NA
Roofing	PC-B-14	Metal	White	Bldg B: Southwest	Exterior of Building B	< 140	No	NA
Fascia	PC-B-15	Metal	Green	Bldg B: southwest	Exterior of Building B: east and west sides	< 52	No	NA
Roofing	PC-B1-10	Metal	Blue	Bldg B: Southwest	Exterior of Building B1	120	No	NA
Fascia	PC-E-12	Metal	Green	Bldg E: Room 7 west	Exterior of Building E: south, east, and west sides	< 48	No	NA
Fascia	PC-F-12	Metal	Green	Bldg F: Room 12 northwest	Exterior of Building F: south, north, and east sides	< 47	No	NA
Fascia	PC-G-12	Metal	Green	Bldg G: Room 15 north	Exterior of Building G: south, north, and east sides	< 49	No	NA
Fascia	PC-H-10	Wood	Green	Bldg H: east side at Boy's restroom	Exterior of Building H: east and west sides	< 49	No	NA
Eaves	PC-H-11	Metal	White	Bldg H: south side at Room 16	Exterior of Building H: south side	95	No	NA
Fascia	PC-H-12	Metal	Green	Bldg H: east side at Boy's restroom	Exterior of Building H: east and west sides	< 49	No	NA

LEAD PAINT CHIP SAMPLE INVENTORY

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (ppm)	Damage	Approx. Quantity
Roofing	PC-H-13	Metal	Blue	Bldg H: east side at Boy's restroom	Exterior of Building H	180	No	NA
Post	PC-L-1	Metal	Yellow	Outdoor lunch structure	Outdoor lunch structure	< 48	No	NA
Post	PC-L-2	Metal	Green	Outdoor lunch structure	Outdoor lunch structure	< 50	No	NA
Downspout	PC-L-3	Metal	Green	Outdoor lunch structure	Outdoor lunch structure	< 47	No	NA

XRF Readings

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (mg/cm ²)	Damage	Approx. Quantity
Calibration	597					0.7		
Calibration	598					1.1		
Calibration	599					1.0		
Sink	600	Ceramic	White	Kitchen	Building B - Kitchen	0.2	No	NA
Toilet	601	Ceramic	White	Kitchen	Building B - Kitchen	0.0	No	NA
Mop sink	602	Ceramic	White	Kitchen	Building B - Kitchen	0.6	No	NA
Sink	603	Ceramic	White	Men's Restroom	Building G - Restrooms	0.0	No	NA
Toilet	604	Ceramic	White	Men's Restroom	Building G - Restrooms	0.0	No	NA
Urinal	605	Ceramic	White	Men's Restroom	Building G - Restrooms	0.4	No	NA
Sink	606	Ceramic	White	Boy's Restroom	Building H - Restrooms	0.0	No	NA
Toilet	607	Ceramic	White	Boy's Restroom	Building H - Restrooms	0.1	No	NA
Urinal	608	Ceramic	White	Boy's Restroom	Building H - Restrooms	0.1	No	NA
Sink	609	Ceramic	Black	Room 16	Building H - Room 16	0.1	No	NA
Sink	610	Ceramic	White	Men's Restroom	Building A - Restrooms	0.1	No	NA
Toilet	611	Ceramic	White	Men's Restroom	Building A - Restrooms	0.0	No	NA
Urinal	612	Ceramic	White	Men's Restroom	Building A - Restrooms	0.1	No	NA
Mop sink	613	Ceramic	White	Men's Restroom	Building A - Restrooms	0.6	No	NA
Calibration	614					0.6		
Calibration	615					0.7		
Calibration	616					0.6		

MATERIAL INVENTORY
UNIVERSAL WASTE

CLIENT: Long Beach Unified School District
PROJECT NO: LBUS-25-10467
PROJECT NAME: Poly Academy of Achievers and Leaders

Universal Waste Inventory

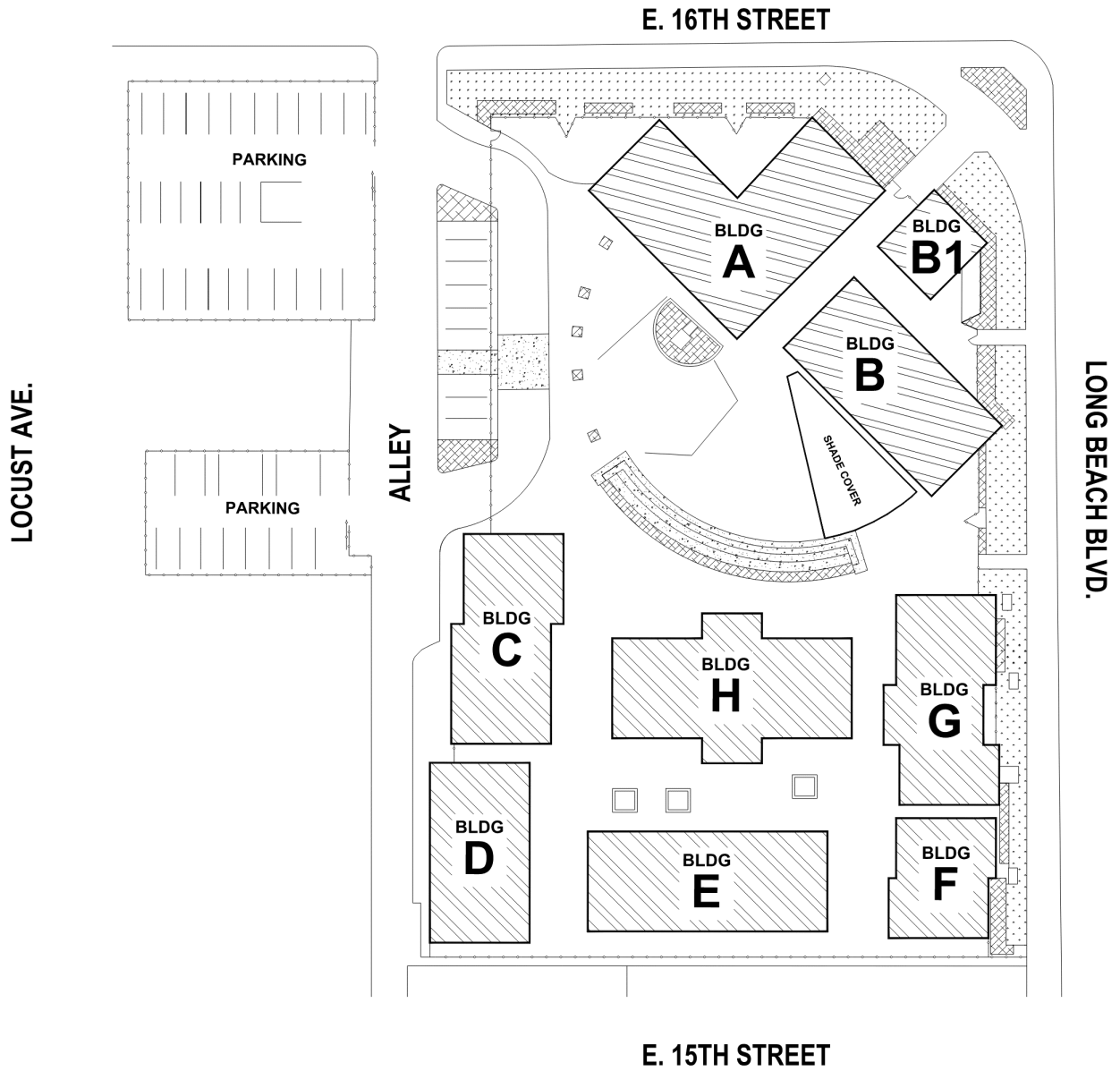
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A	150	75	0
B	36	18	0
B-1	48	24	0
C	96	48	0
D	96	48	0
E	128	64	0
F	32	16	0
G	78	39	0
H	120	60	0

Appendix C

Site Drawings

Attachment 1 – Continued

Site Aerial/Plan



Appendix D

Sample Location Drawings

NIV5

Sheet ____ of ____

Project Name _____

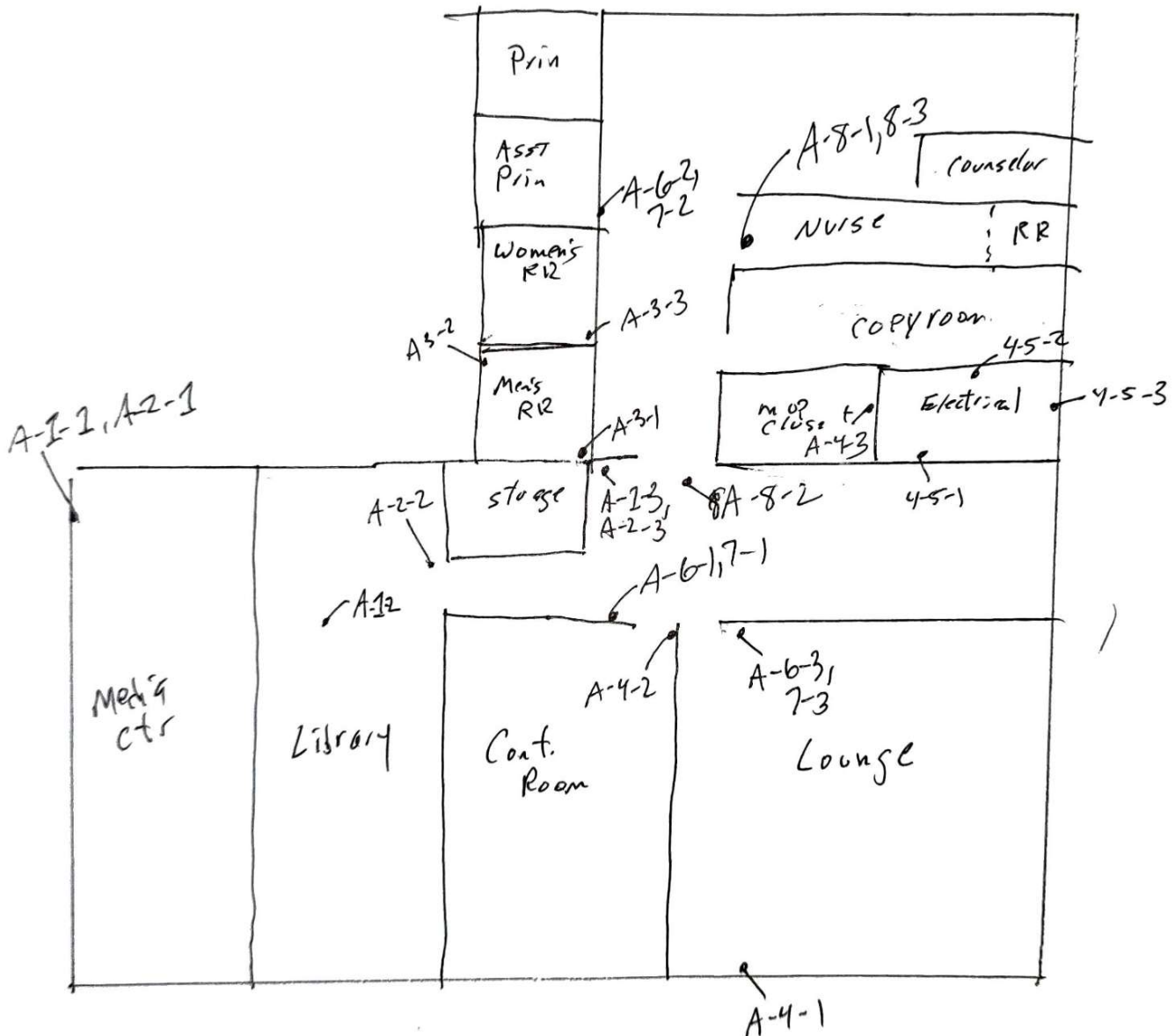
Project No./Task No. _____

Calculated by _____ Date _____

Checked by _____ Date _____

Scale None

Thomas Jenkins *Thomas Jenkins*
Building 4



NV5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

Calculated by _____ Date _____

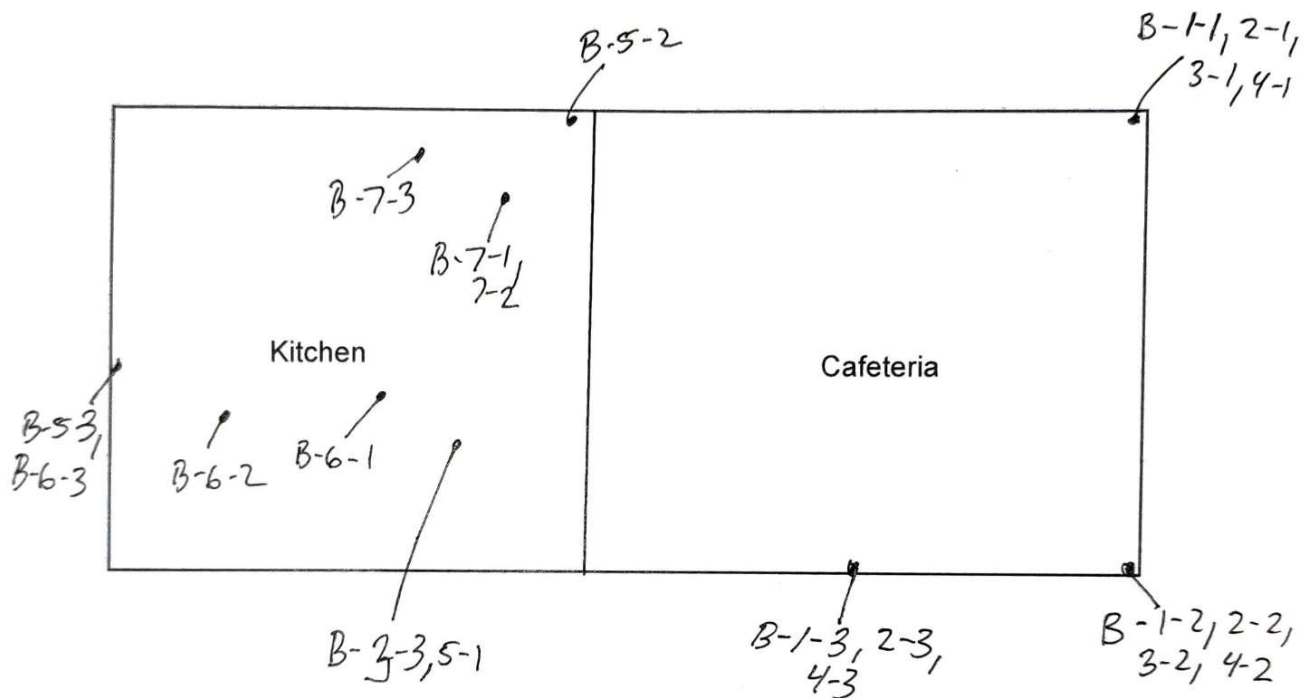
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Thomas Jenkins *Thomas Jenkins*

Building B

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N



NV5

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Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

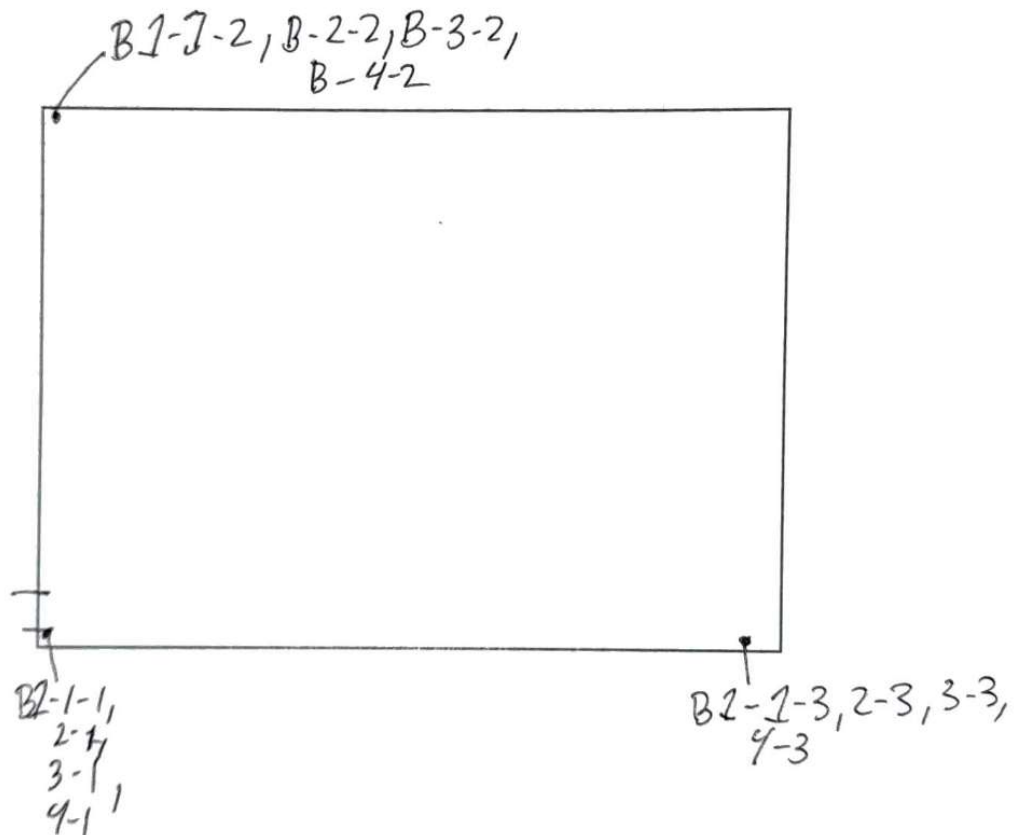
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Thomas Jenkins *Thomas Jenkins*

Building B-1



NV5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

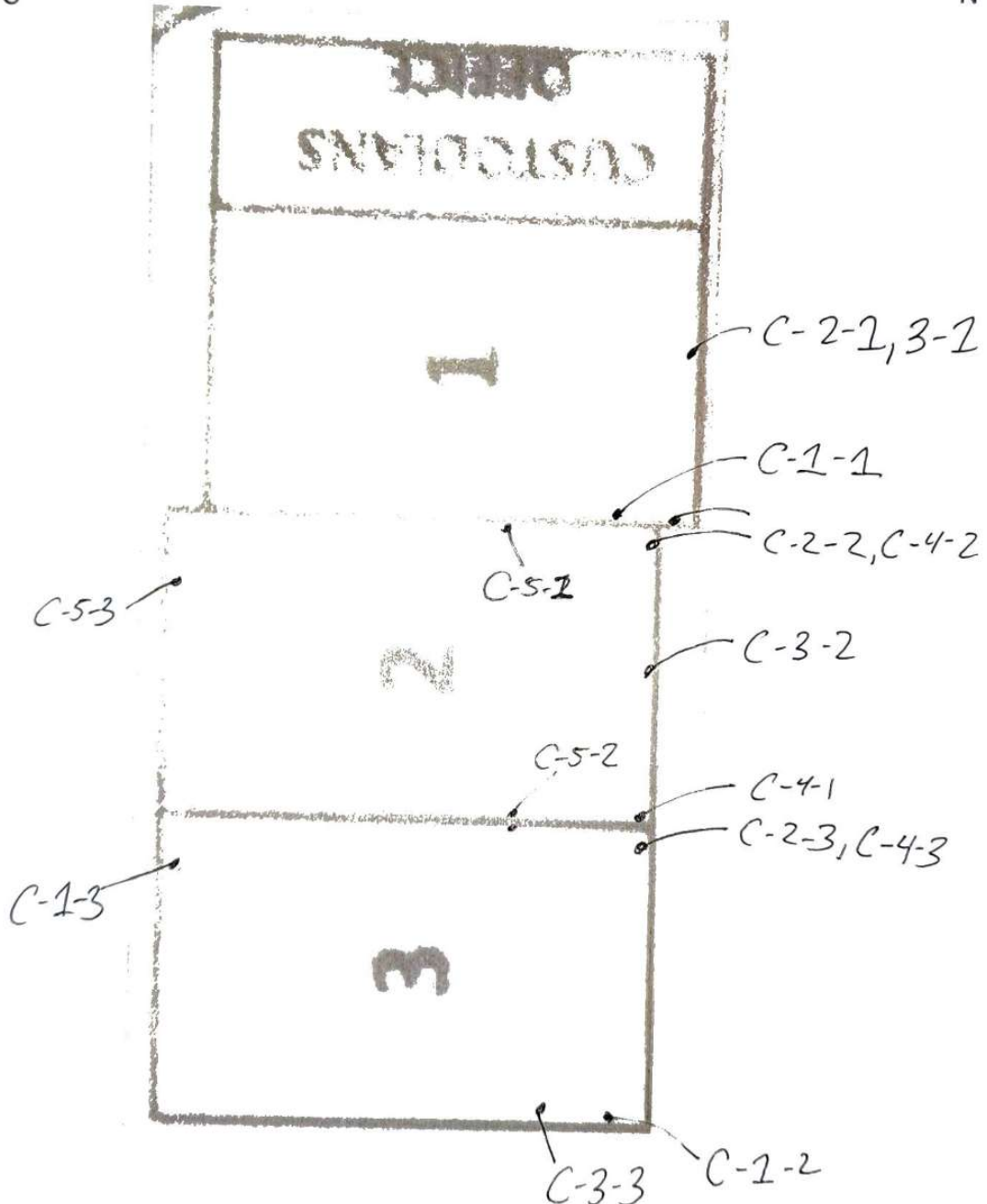
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Thomas Jenkins *Thomas Jenkins*

Building C



NV5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

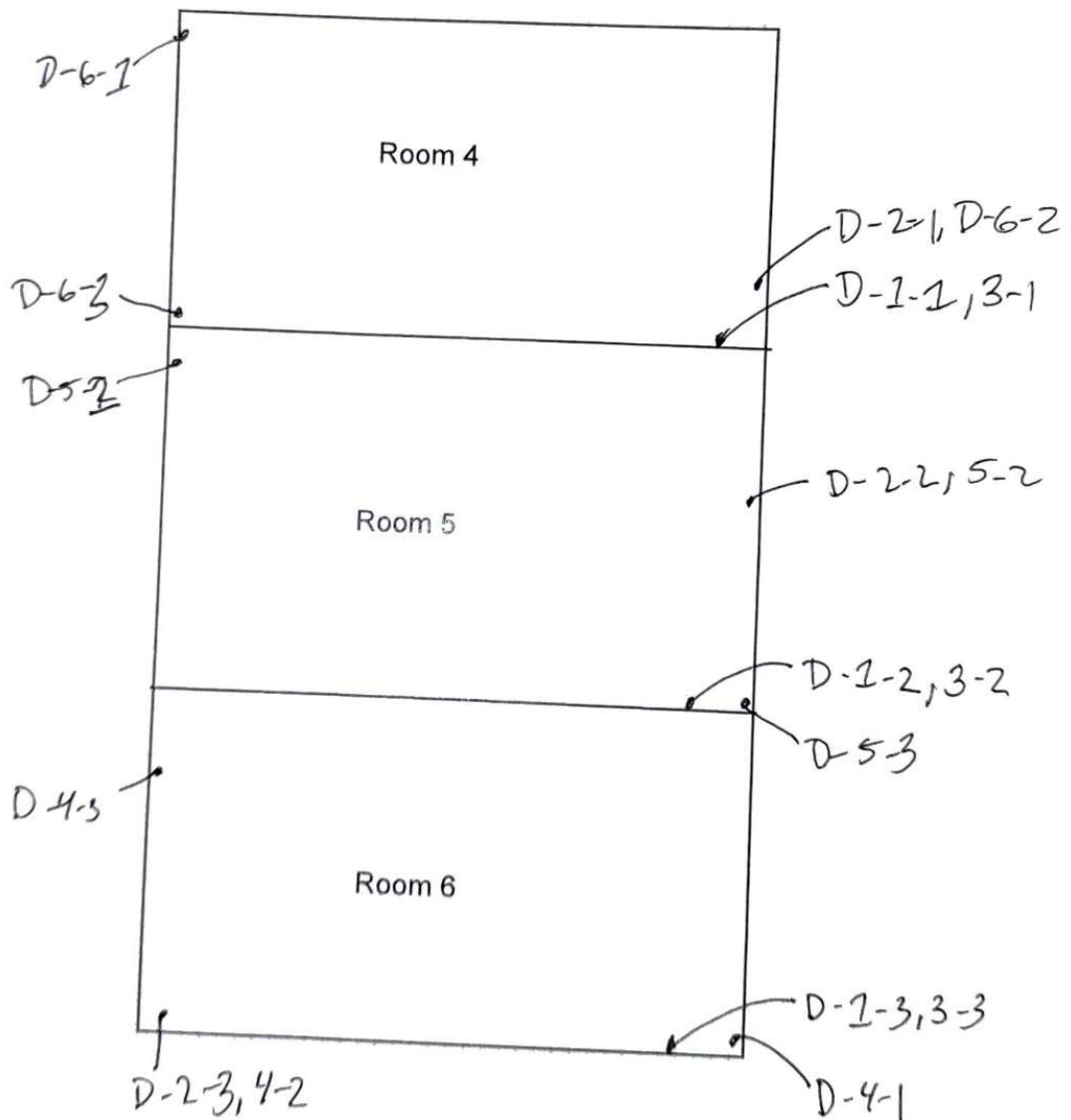
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Thomas Jenkins *Thomas Jenkins*

Building D



N|V|5

Sheet ____ of ____

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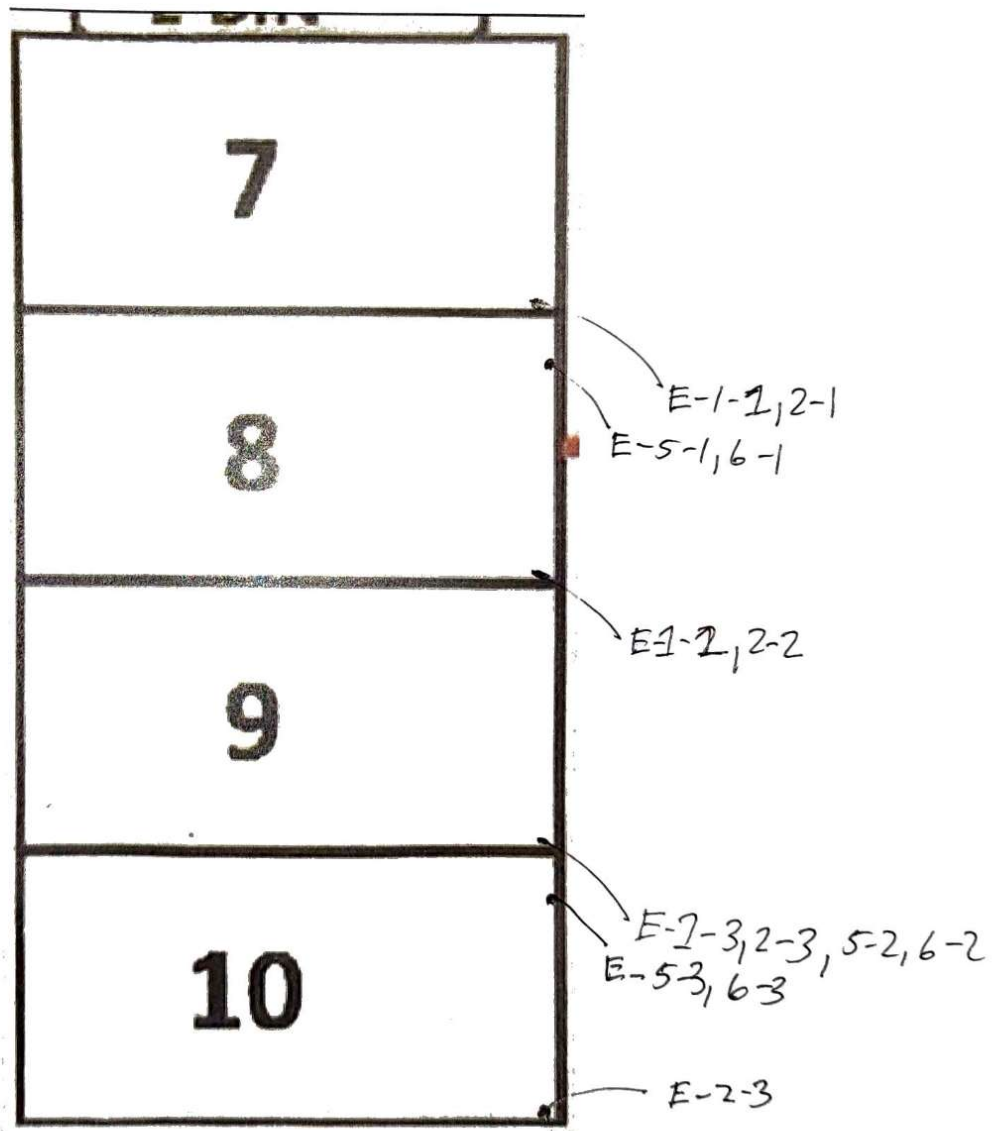
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Thomas Jenkins *Thomas Jenkins*

Building E



N|V|5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

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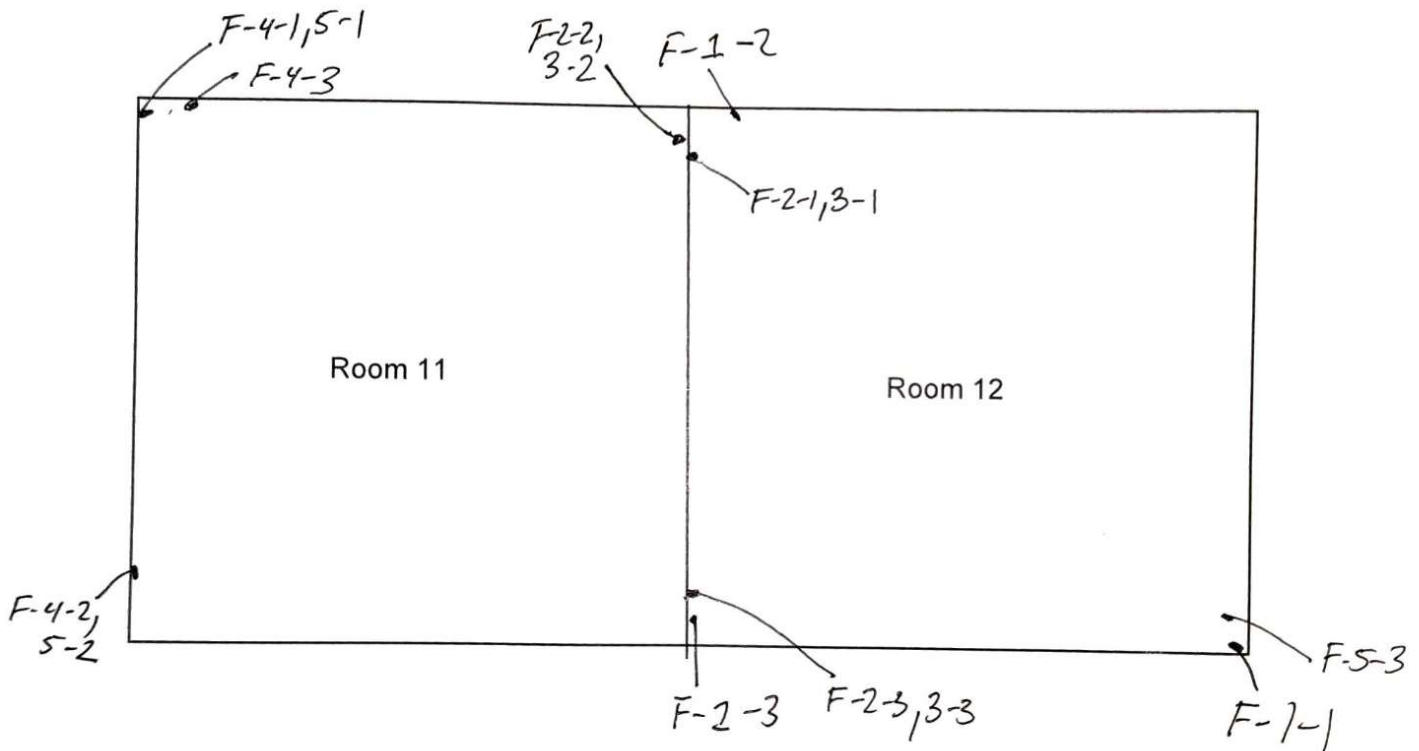
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Thomas Jenkins *Thomas Jenkins*

Building F

N →



Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

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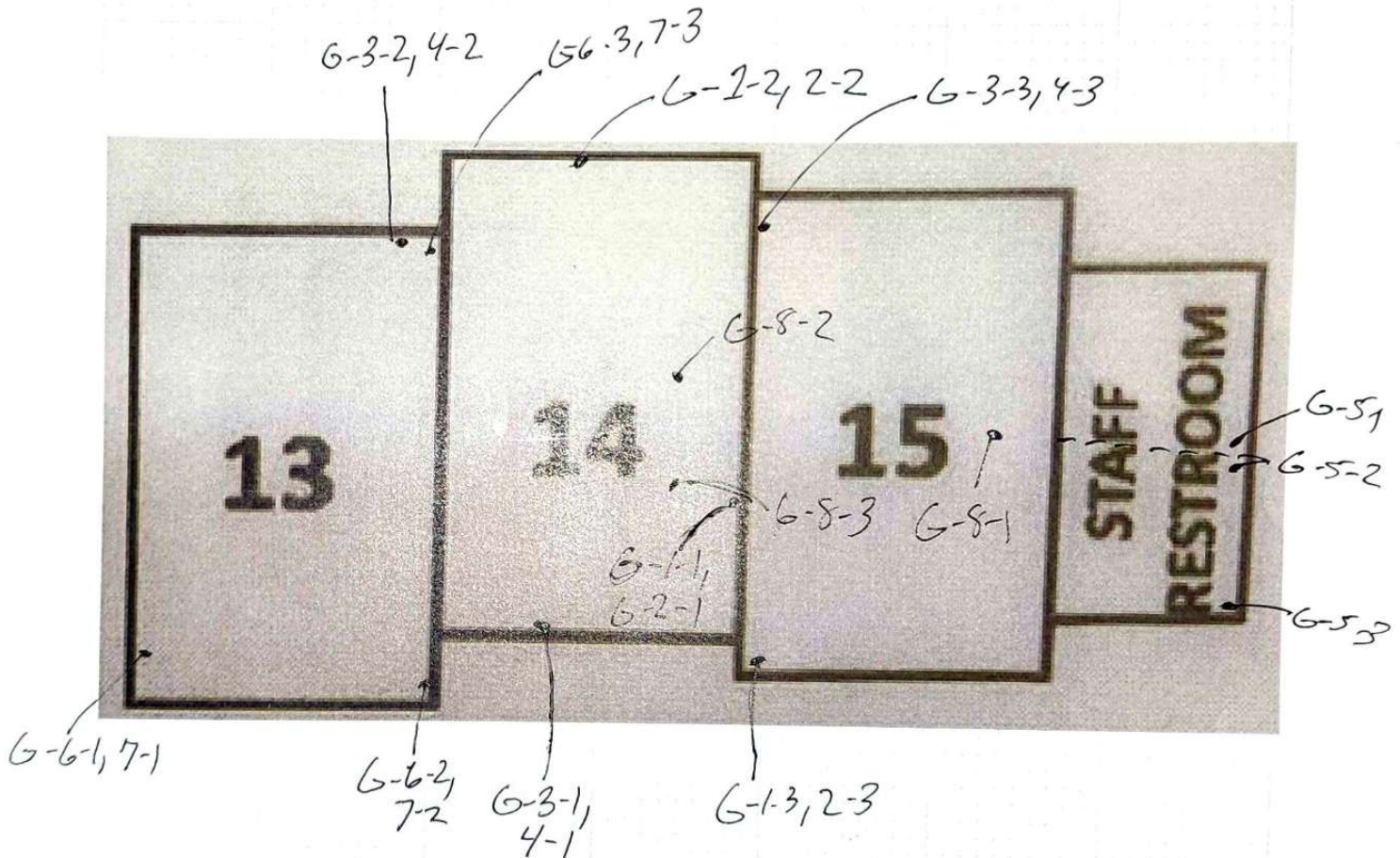
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Thomas Jenkins

Building G

N →



Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

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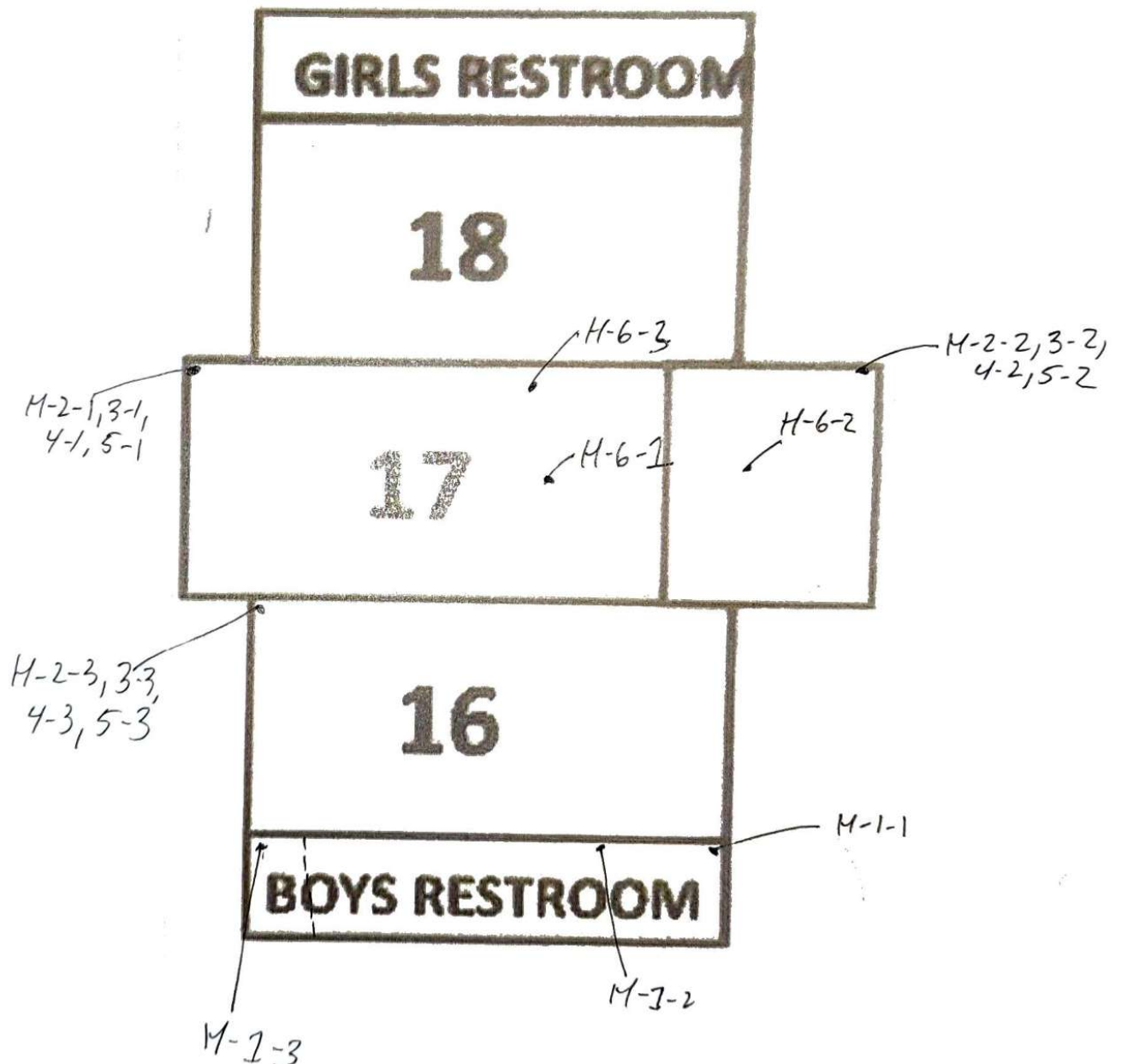
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Thomas Jenkins *Thomas Jenkins*

Building H

N →



Project Name _____

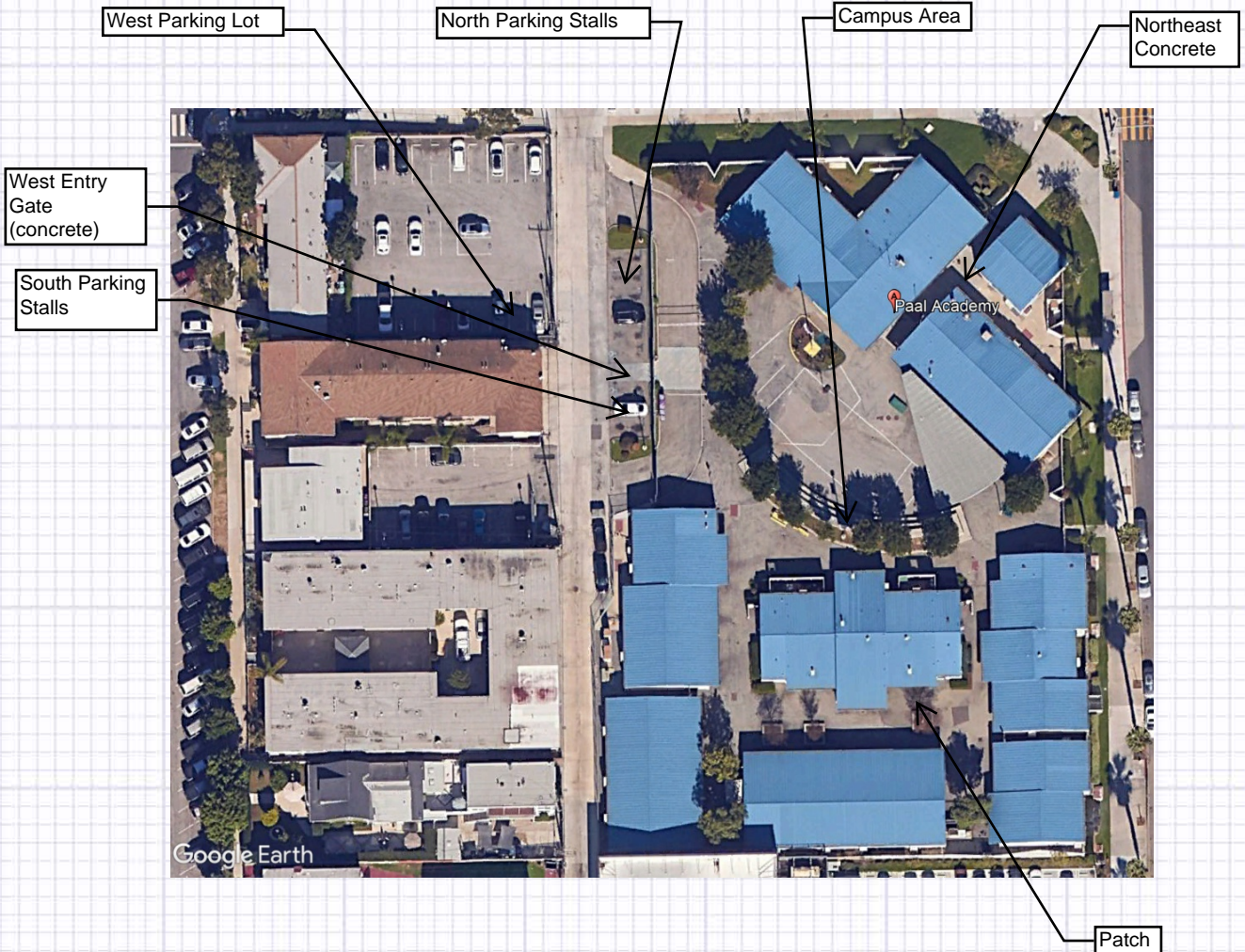
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Thomas Jenkins



NV5

Sheet 2 of 4

Project Name LBUSD Poly HS Field Improvements

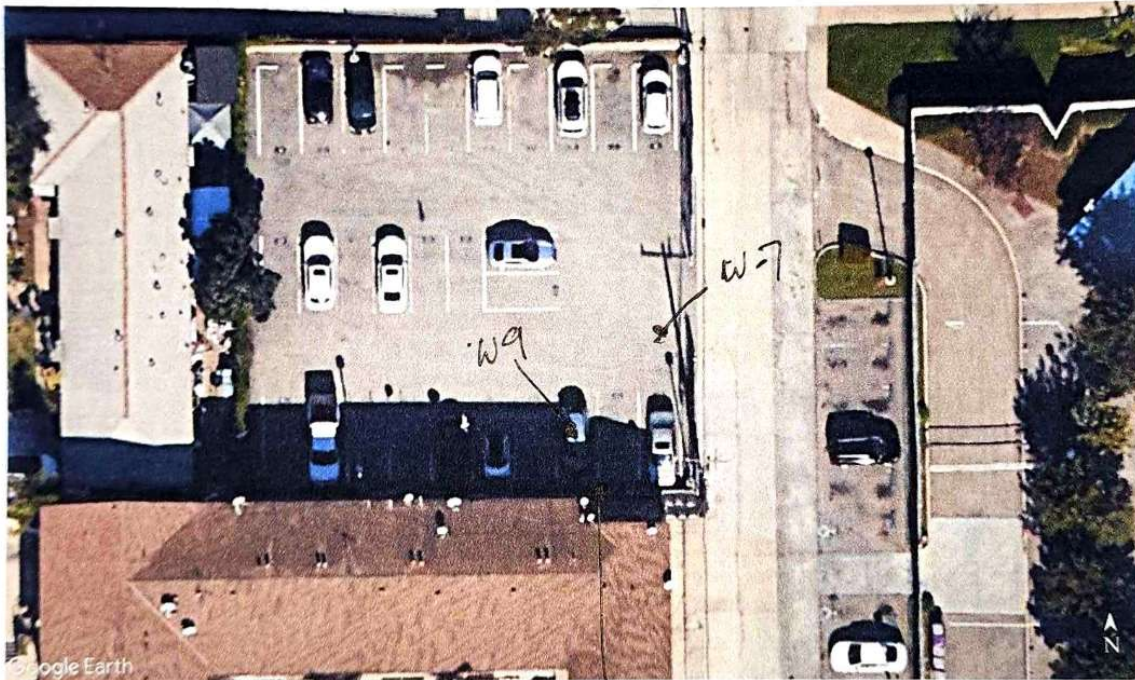
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Checked by _____ Date _____

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Thomas Jenkins
09/26/25
West Parking Lot



W8

N|V|5

Sheet 3 of 4

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

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Checked by _____ Date _____

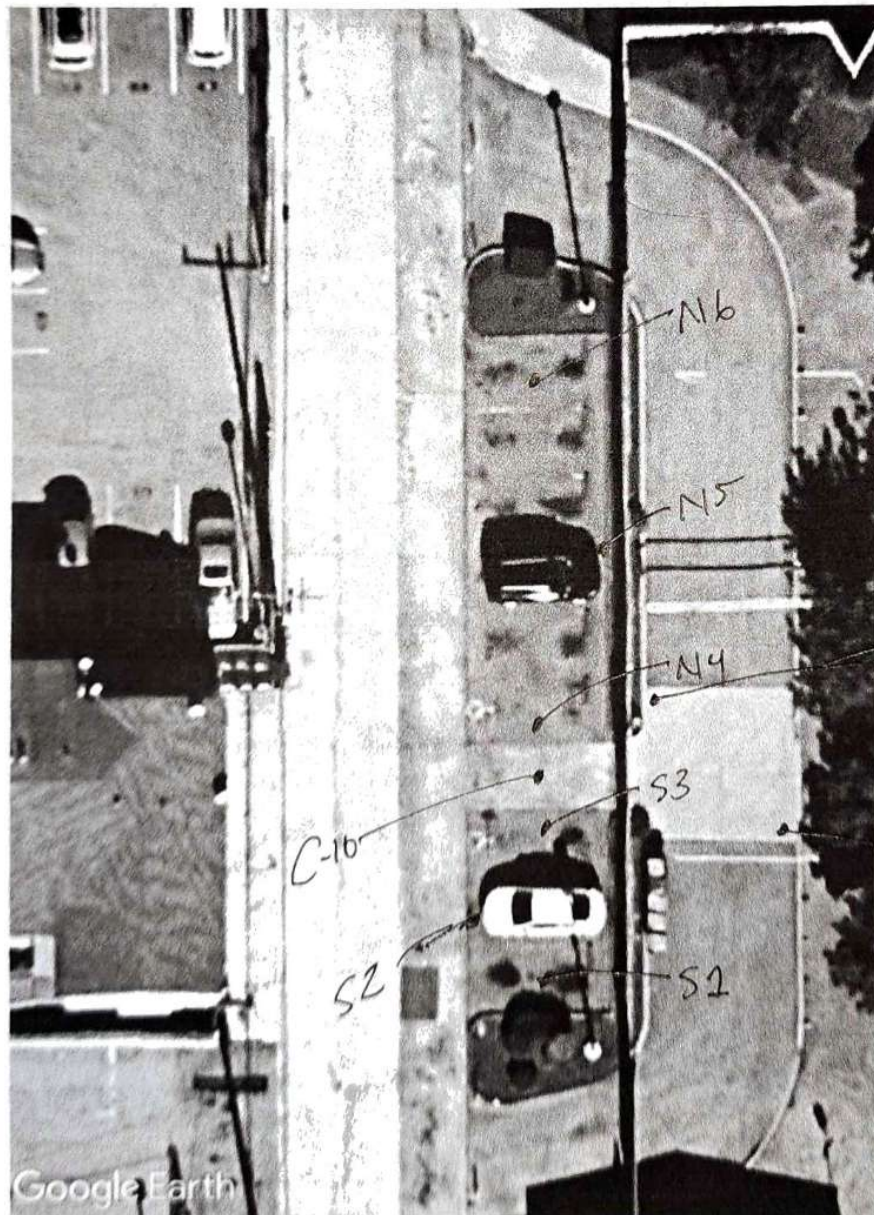
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Thomas Jenkins

09/26/25

South and North Parking Stalls

Concrete at West Entry Gate



Project Name LBUSD Poly HS Field Improvements

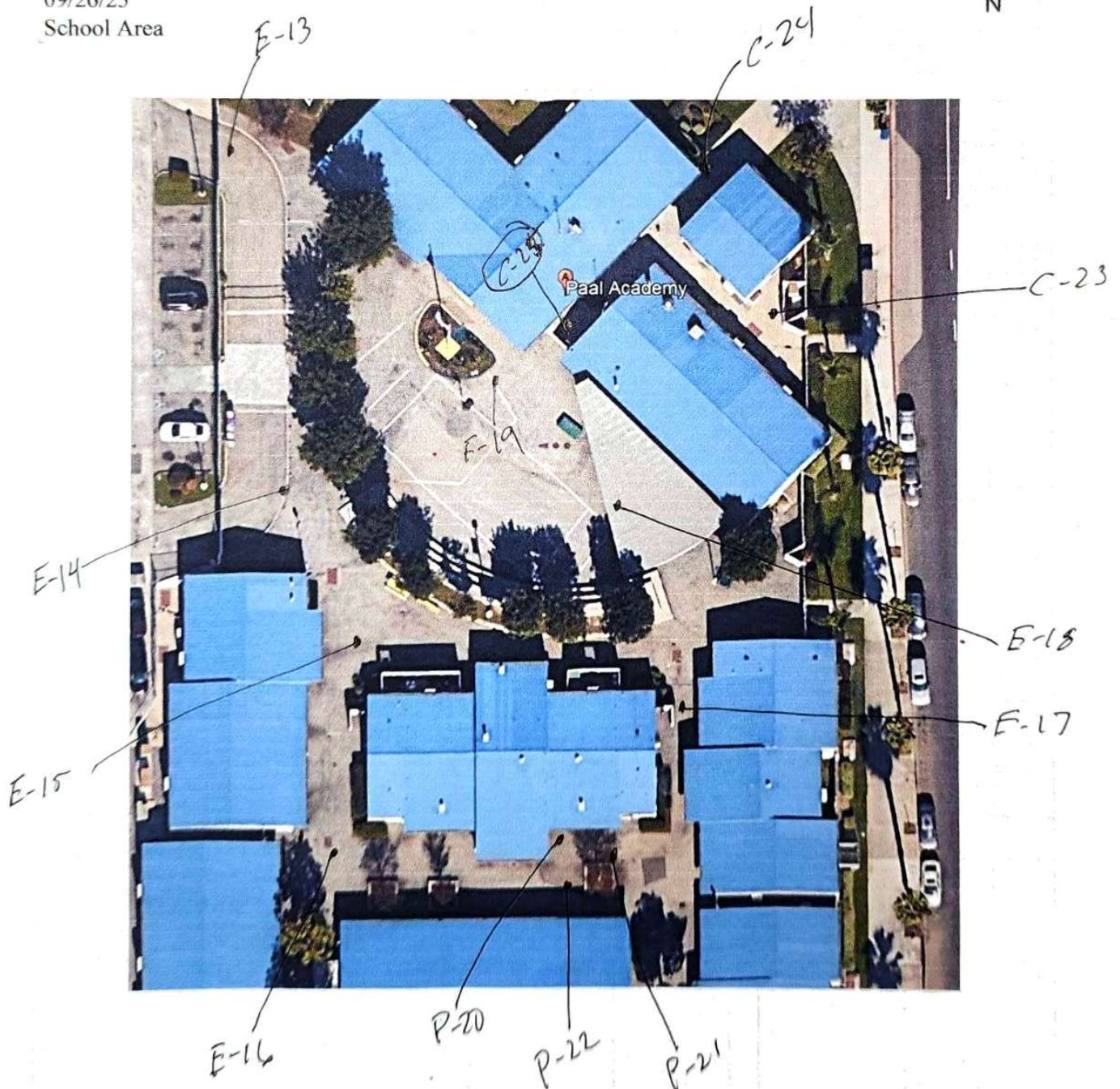
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Thomas Jenkins
09/26/25
School Area



N|V|5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

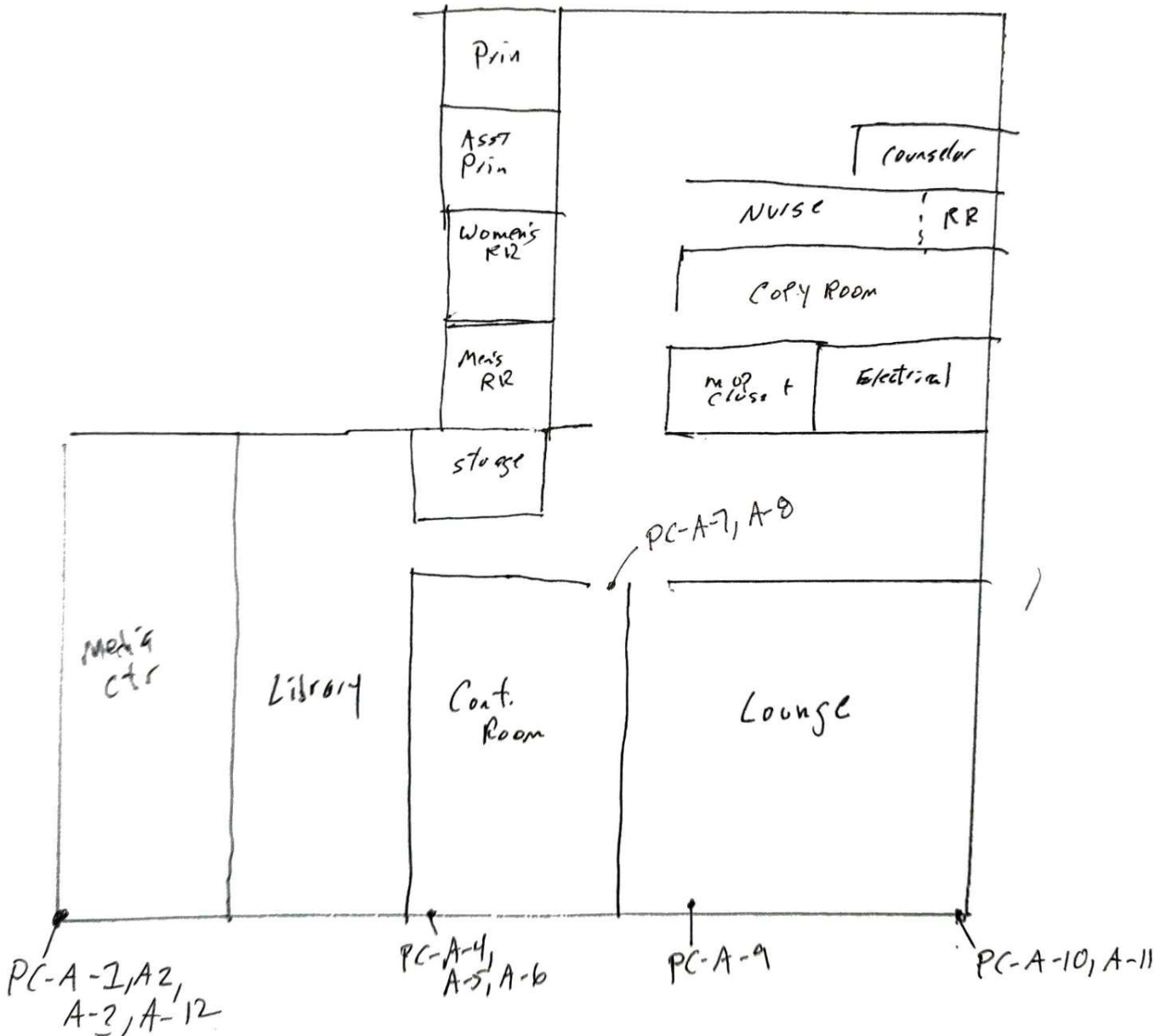
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Thomas Jenkins *Thomas Jenkins*
9/18/25
Building A



N|V|5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

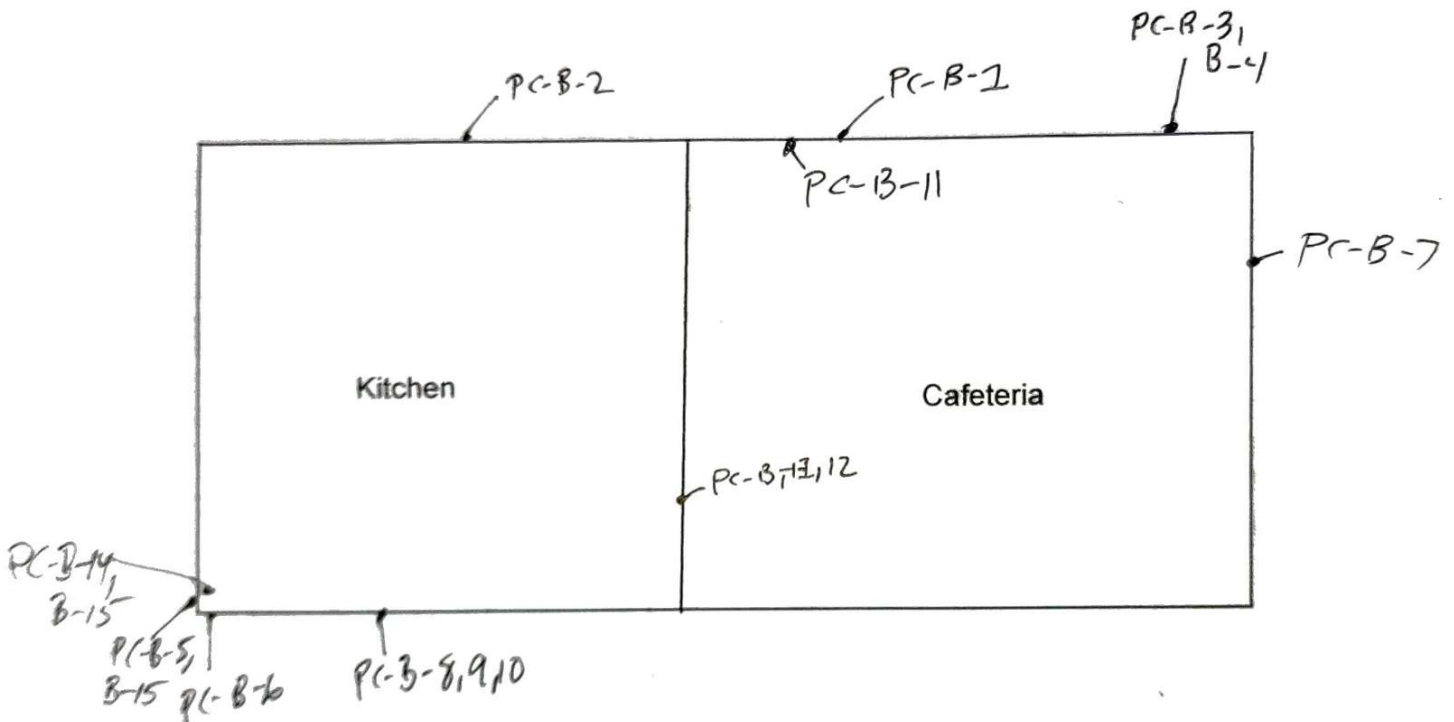
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Thomas Jenkins *Thomas Jenkins*
9/15/25
Building B

↑
N



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Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

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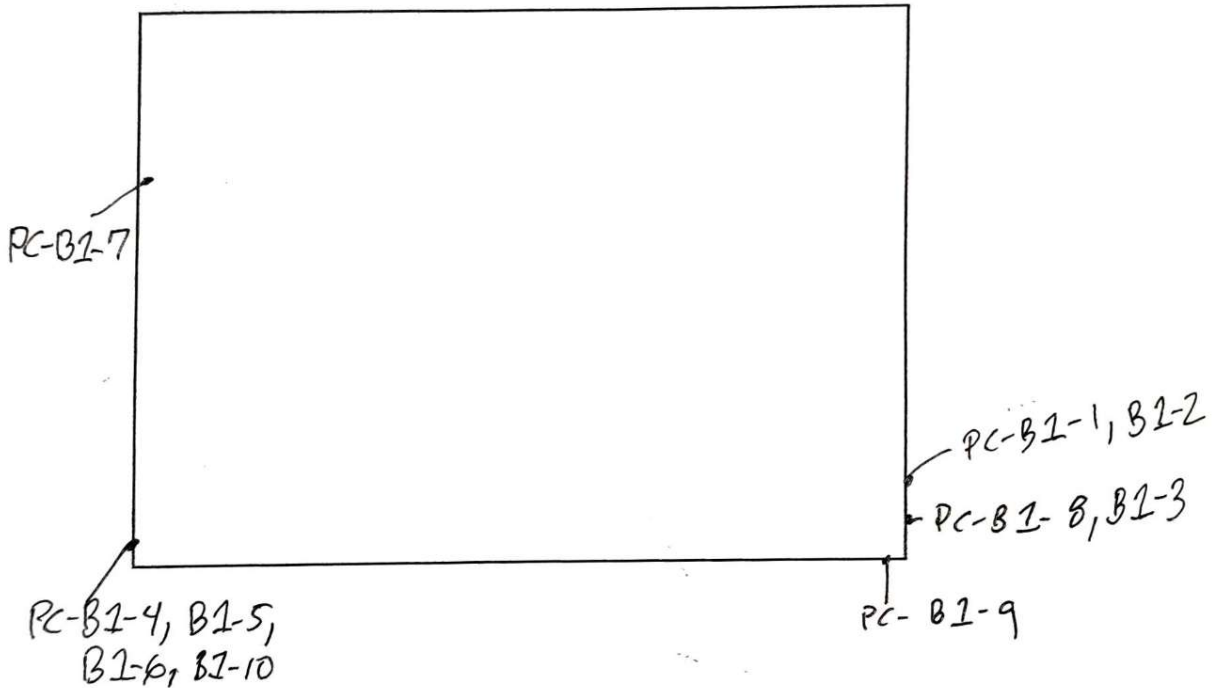
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Thomas Jenkins

9/15/25

Building B-1

Thomas Jenkins



N|V|5

Sheet of

Project Name LBUSD Poly HS Field Improvements

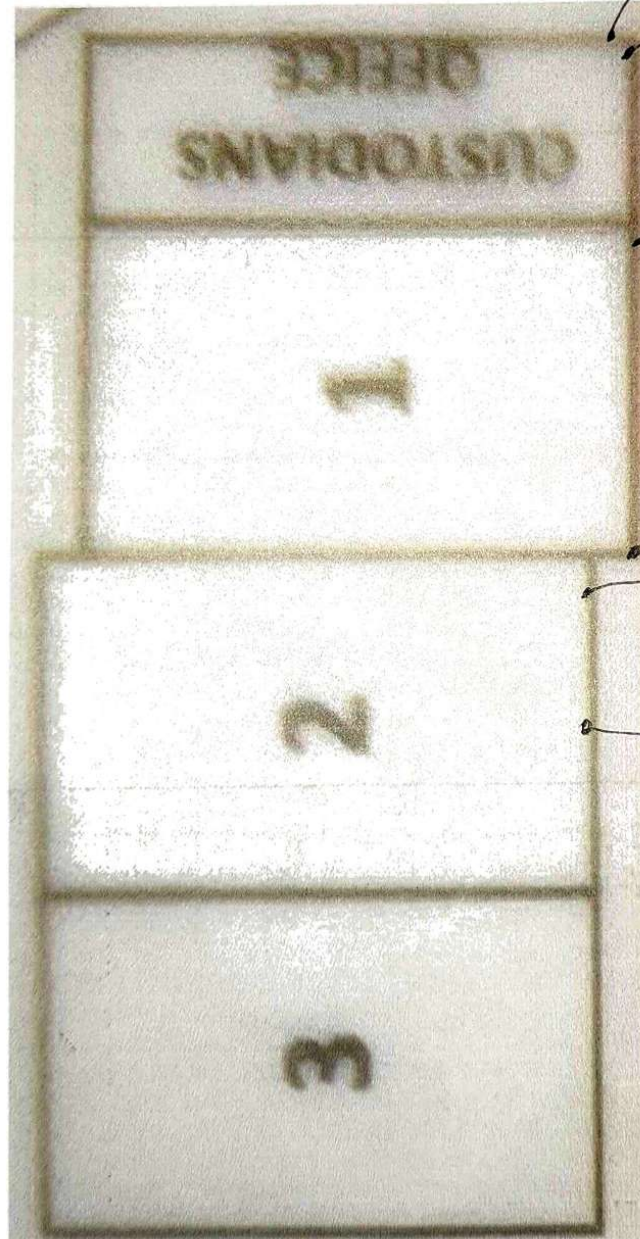
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Calculated by Date

Checked by Date

Scale None

Thomas Jenkins *Thomas Jenkins*
9/16/25
Building C



PC-C-8

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N

PC-C-1, C-5, C-7

PC-C-3, C-4, C-6

PC-C-2

PC-C-9, C-10, C-11

PC-C-13

Project Name LBUSD Poly HS Field Improvements

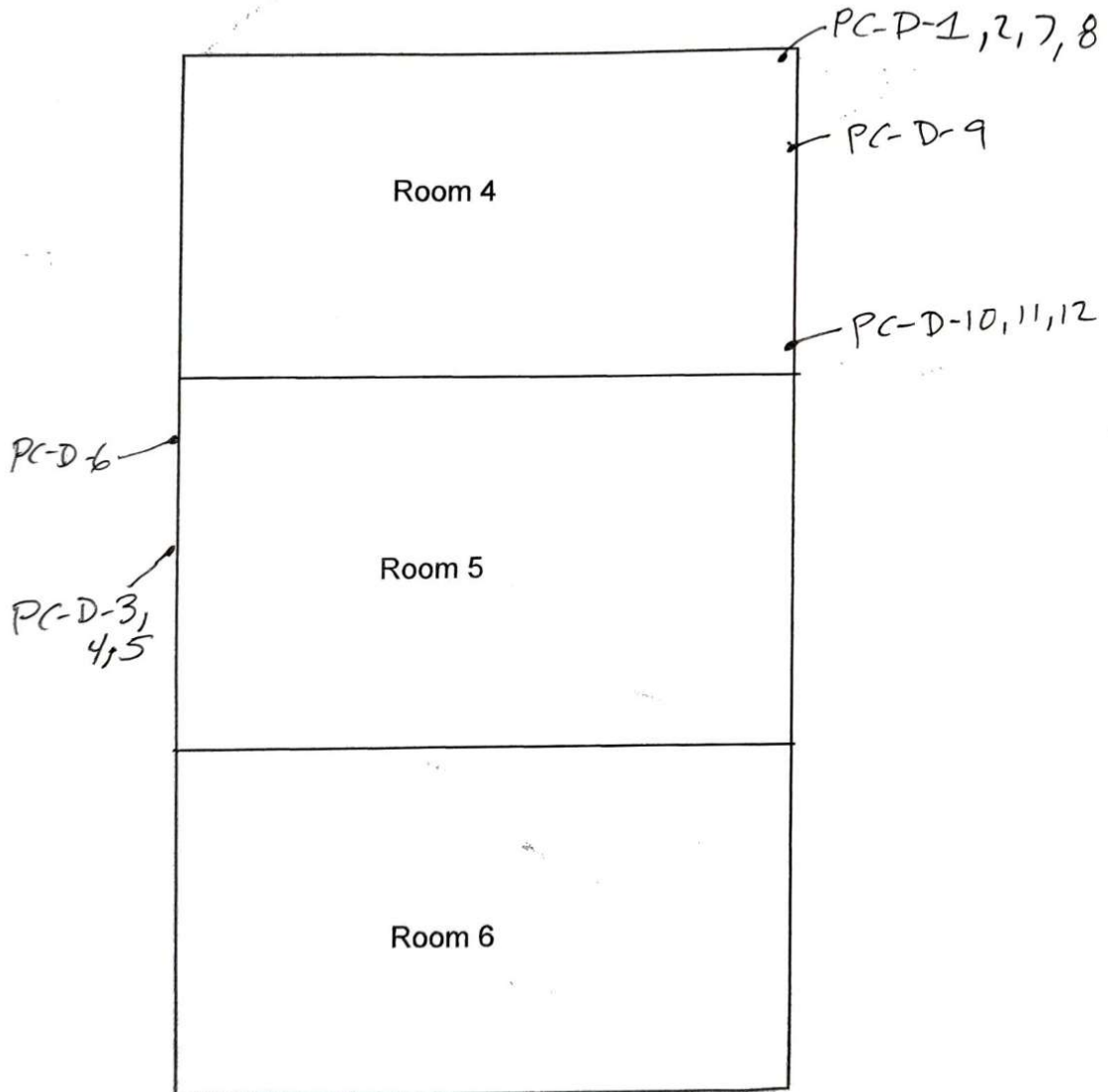
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Thomas Jenkins *Thomas Jenkins*
 9/16/25
 Building *D*



N|V|5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

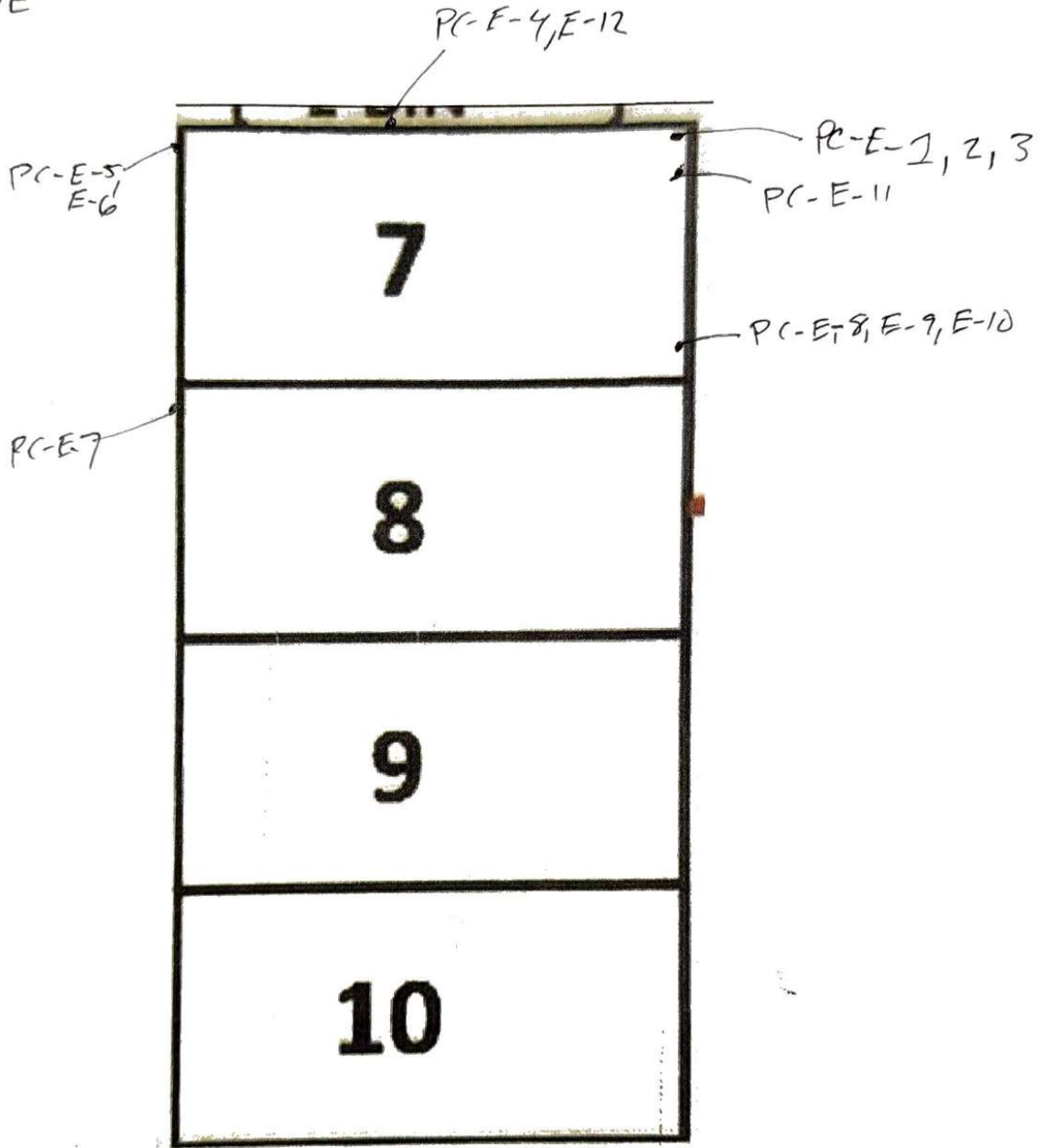
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Thomas Jenkins *Thomas Jenkins*
9/18/25
Building ~~ED~~ E

N →



NV5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

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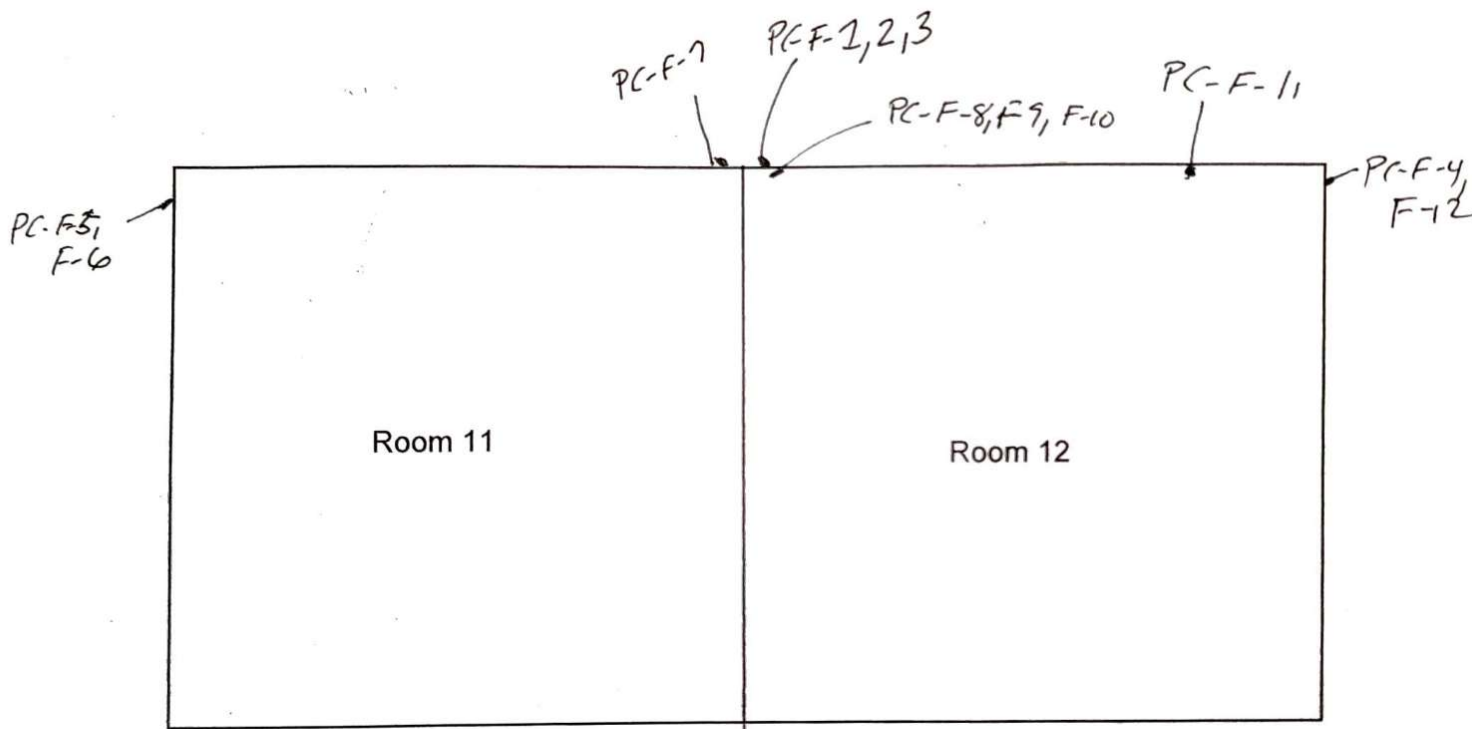
Thomas Jenkins

9/18/25

Building F

Thomas Jenkins

N →



N|V|5

Scale None

Thomas Jenkins

9/15/25

Building G

Thomas Jenkins

Sheet 1 of 1

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

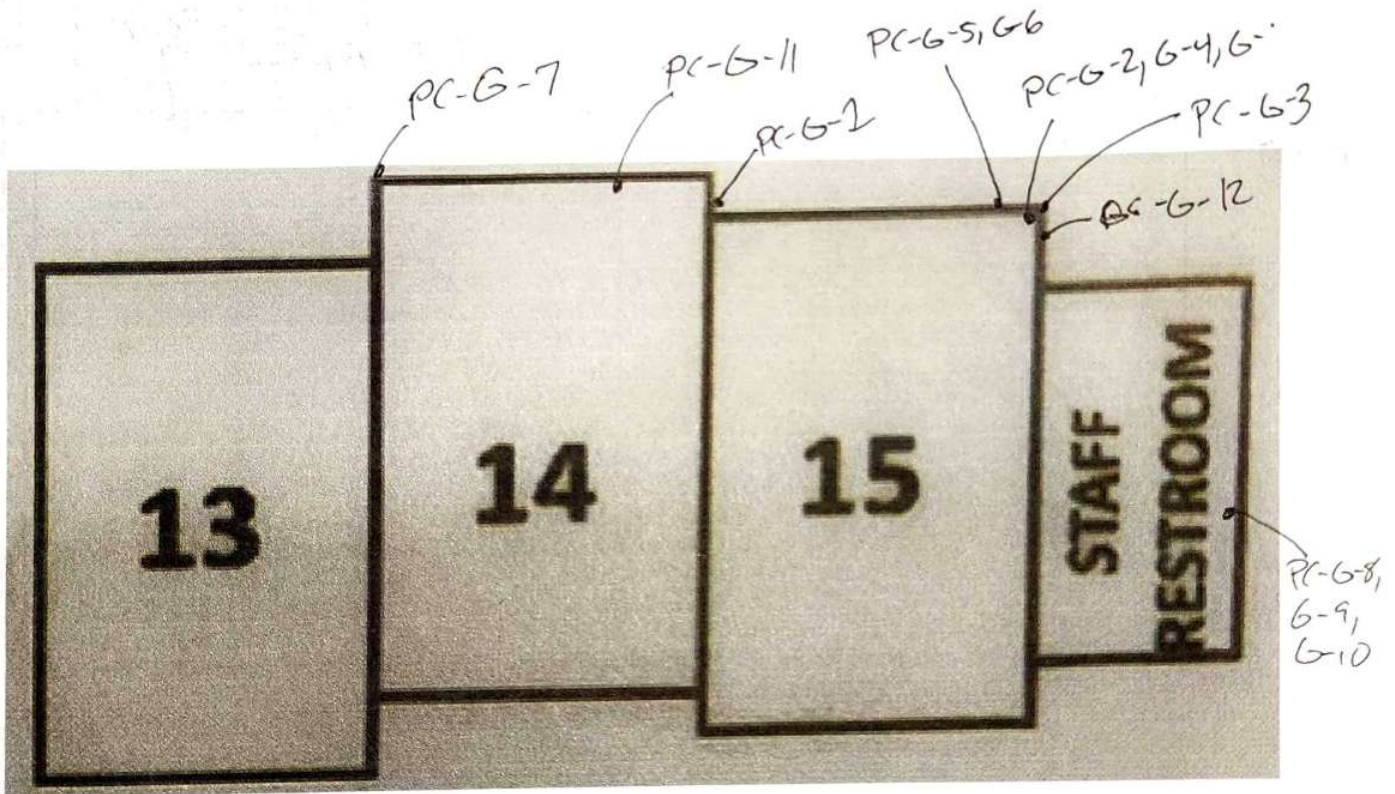
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Date

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NV5

Sheet ____ of ____

Project Name LBUSD Poly HS Field Improvements

Project No./Task No. 4470425-0010467.00

Calculated by _____ Date _____

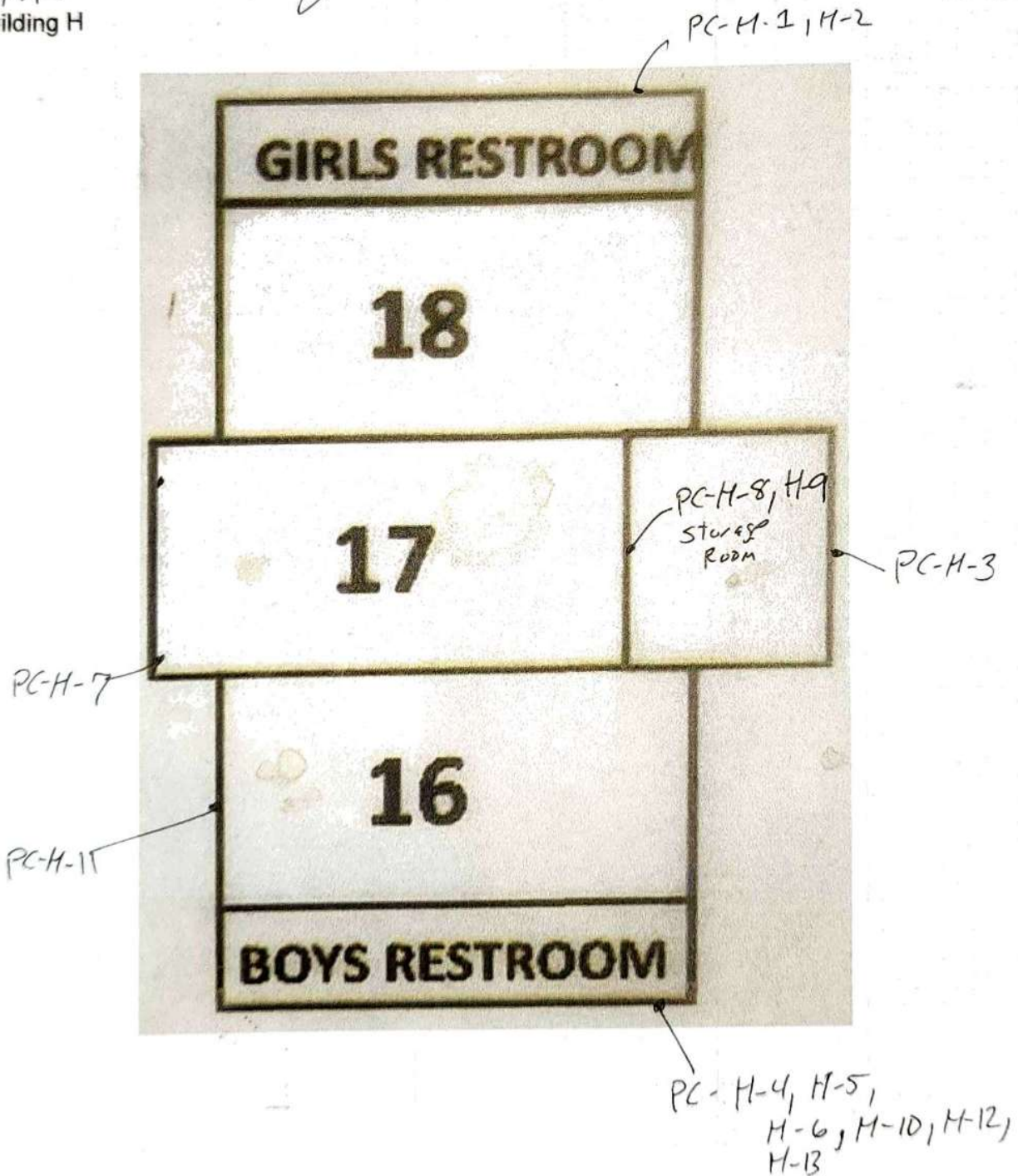
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Scale None

Thomas Jenkins
9/18/25
Building H

Thomas Jenkins

N →



Appendix E

All Hazardous Materials to be impacted during completion of modernization work

Appendix F

Laboratory Analytical Results



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Report Number: 2563898

Date Received: 9/19/2025
Date Analyzed: 9/26/2025
Date Reported: 9/26/2025

Date Sampled: 9/15, 9/16 & 9/18/25
Sampled By: Thomas Jenkins
Total Samples: 94

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-001 PC-A-1	Exterior wall- Wood- White- Bldg A: Media center- west	0.1079	< 46
2563898-002 PC-A-2	Exterior trim- Wood- Green- Bldg A: Media center- west	0.1043	< 48
2563898-003 PC-A-3	Downspout- Metal- White- Bldg A: Media center- west	0.1046	170
2563898-004 PC-A-4	Entry door- Metal- Green- Bldg A: Conference room	0.1025	< 49
2563898-005 PC-A-5	Door casing- Metal- Blue- Bldg A: Conference room	0.1024	< 49
2563898-006 PC-A-6	Door casing- Metal- Green- Bldg A: Conference room	0.1014	< 49
2563898-007 PC-A-7	Door- Wood- White- Bldg A: Conference room	0.1013	< 49
2563898-008 PC-A-8	Door casing- Metal- White- Bldg A: Conference room	0.1070	< 47
2563898-009 PC-A-9	Window casing- Metal- White- Bldg A: Lounge- south	0.1013	< 49
2563898-010 PC-B-1	Gutter- Plastic- Green- Bldg B- North	0.1037	< 48
2563898-011 PC-B-2	Downspout- Metal- White- Bldg B: North	0.0710	< 70
2563898-012 PC-B-3	Pope coping- Metal- White- Bldg B: Northeast	0.1058	< 47
2563898-013 PC-B-4	Exterior trim- Wood- Green- Bldg B: northeast	0.1014	< 49
2563898-014 PC-B-5	Fascia- Wood- Green- Bldg B: southwest	0.1086	< 46



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: 2563898

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-015 PC-B-6	Eaves- Metal- White- Bldg B: southwest	0.1079	< 46
2563898-016 PC-B-7	Exterior wall- Wood- White- Bldg B: east	0.1056	< 47
2563898-017 PC-B-8	Entry door- Metal- Green- Bldg B: south at hot water closet	0.1046	< 48
2563898-018 PC-B-9	Door casing- Metal- Green- Bldg B: south at hot water closet	0.1015	< 49
2563898-019 PC-B-10	Door casing- Metal- Blue- Bldg B: south at hot water closet	0.1085	< 46
2563898-020 PC-B-11	Window casing- Wood- White- Bldg B: cafeteria- north	0.1034	< 48
2563898-021 PC-B-12	Door casing- Metal- White- Bldg B: between cafeteria and kitchen	0.1055	< 47
2563898-022 PC-B-13	Door- Wood- White- Bldg B: between cafeteria and kitchen	0.1028	< 48
2563898-023 PC-B1-1	Exterior wall- Wood- White- Bldg B-1: east	0.1018	< 49
2563898-024 PC-B1-2	Exterior wall- Wood- Green- Bldg B- 1: east	0.1075	< 47
2563898-025 PC-B1-3	Downspout- Metal- White- Bldg B-1: southeast	0.1023	270
2563898-026 PC-B1-4	Door casing- Metal- Blue- Bldg B-1: entry	0.0498	< 100
2563898-027 PC-B1-5	Entry door- Metal- Green- Bldg B-1: entry	0.1085	< 46
2563898-028 PC-B1-6	Door casing- Metal- Green- Bldg B-1: entry	0.1014	< 49
2563898-029 PC-B1-7	Window casing- Wood- White- Bldg B-1: west window	0.0659	< 76
2563898-030 PC-B1-8	Fascia- Wood- Green- Bldg B-1: southeast	0.1037	< 48
2563898-031 PC-B1-9	Gutter- Plastic- Green- Bldg B-1: southeast	0.1013	< 49
2563898-032 PC-C-1	Roofing- Metal- Blue/Green- Bldg C: Custodian closet- northeast	0.0670	< 75



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: 2563898

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-033 PC-C-2	Eaves- Metal- White- Bldg C: Room 1- southeast	0.1004	< 50
2563898-034 PC-C-3	Exterior wall- Wood- White- Bldg C: Room 1- northeast	0.1061	< 47
2563898-035 PC-C-4	Exterior trim- Wood- Green- Bldg C: Room 1- northeast	0.1018	< 49
2563898-036 PC-C-5	Fascia- Metal- Green- Bldg C: Custodian closet- northeast	0.1067	< 47
2563898-037 PC-C-6	Gutter- Metal- Green- Bldg C: Room 1- northeast	0.1008	< 50
2563898-038 PC-C-7	Downspout- Metal- White- Bldg C: Custodian closet- northeast	0.1022	< 49
2563898-039 PC-C-8	Pipe coping- Metal- White- Bldg C: Custodian closet- northeast	0.1009	< 50
2563898-040 PC-C-10	Entry door- Metal- Green- Bldg C: Room 2	0.0932	< 54
2563898-041 PC-C-11	Door casing- Metal- Green- Bldg C: Room 2	0.1083	< 46
2563898-042 PC-C-12	Door casing- Metal- Blue- Bldg C: Room 2	0.1001	< 50
2563898-043 PC-C-13	Window casing- Metal- White- Bldg C: Room 2	0.1083	< 46
2563898-044 PC-D-1	Roofing- Metal- Blue/Green- Bldg D: Room 4 northeast	0.1018	< 49
2563898-045 PC-D-2	Eaves- Metal- White- Bldg D: Room 4 northeast	0.1028	< 49
2563898-046 PC-D-3	Exterior wall- Wood- White- Bldg D: Room 5 west	0.1033	< 48
2563898-047 PC-D-4	Exterior trim- Wood- Green- Bldg D: Room 5 west	0.1010	< 50
2563898-048 PC-D-5	Downspout- Metal- White- Bldg D: Room 5 west	0.1016	< 49
2563898-049 PC-D-6	Pipe coping- metal- White- Bldg D: Room 5 west	0.1080	< 46
2563898-050 PC-D-7	Fascia- Wood- Green- Bldg D: Room 4 northeast	0.1054	< 47



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: 2563898

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-051 PC-D-8	Gutter- Metal- Green- Bldg D: east	0.0801	< 62
2563898-052 PC-D-9	Window casing- Metal- White- Bldg D: Room 4 east	0.1008	< 50
2563898-053 PC-E-1	Roofing- Metal- Blue/Green- Bldg E: Room 7 northwest	0.1092	< 46
2563898-054 PC-E-2	Eaves- Metal- White- Bldg E: Room 7 northwest	0.1003	< 50
2563898-055 PC-E-3	Gutter- Plastic- Green- Bldg E: Room 7 northwest	0.1029	< 49
2563898-056 PC-E-4	Fascia- Wood- Green- Bldg E: Room 7 west	0.1048	< 48
2563898-057 PC-E-5	Exterior wall- Wood- White- Bldg E: Room 7 southwest	0.1039	< 48
2563898-058 PC-E-6	Exterior trim- Wood- Green- Bldg E: Room 7 southwest	0.1008	< 50
2563898-059 PC-E-7	Downspout- Metal- White- Bldg E: Room 8 southwest	0.1079	130
2563898-060 PC-E-8	Entry door- Metal- Green- Bldg E	0.1060	< 47
2563898-061 PC-E-9	Door casing- Metal- Green- Bldg E	0.1016	< 49
2563898-062 PC-E-10	Door casing- Metal- Blue- Bldg E	0.1030	< 49
2563898-063 PC-E-11	Window casing- Metal- White- Bldg E	0.0896	< 56
2563898-064 PC-F-1	Roofing- metal- Blue/Green- Bldg F: Room 12 northwest	0.1012	< 49
2563898-065 PC-F-2	Eaves- Metal- White- Bldg F: Room 12 northwest	0.1038	< 48
2563898-066 PC-F-3	Gutter- Plastic- Green- Bldg F: Room 12 southwest	0.1085	< 46
2563898-067 PC-F-4	Fascia- Wood- Green- Bldg F: Room 12 northwest	0.1061	< 47
2563898-068 PC-F-5	Exterior wall- Wood- White- Bldg F: Room 11 southwest	0.1056	< 47



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Report Number: 2563898

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-069 PC-F-6	Exterior trim- Wood- Green- Bldg F: Room 11 southwest	0.1030	< 49
2563898-070 PC-F-7	Downspout- Metal- White- Bldg F: Room 11 northwest	0.1059	78
2563898-071 PC-F-8	Entry door- Metal- Green- Bldg F: Room 12	0.1001	< 50
2563898-072 PC-F-9	Door casing- Metal- Green- Bldg F: Room 12	0.1071	< 47
2563898-073 PC-F-10	Door casing- Metal- Blue- Bldg F: Room 12	0.0728	< 69
2563898-074 PC-F-11	Window casing- Metal- White- Bldg F: Room 12	0.1021	< 49
2563898-075 PC-G-1	Eaves- Metal- White- Bldg G: Room 15 southwest	0.1025	< 49
2563898-076 PC-G-2	Roofing- Metal- Green/Blue- Bldg G: Room 15 northwest	0.1019	< 49
2563898-077 PC-G-3	Gutter- Plastic- green- Bldg G: Room 15 northwest	0.1025	< 49
2563898-078 PC-G-4	Fascia- Wood- Green- Bldg G: Room 15 northwest	0.1041	< 48
2563898-079 PC-G-5	Exterior wall- Wood- White- Bldg G: Room 15 northwest	0.1064	< 47
2563898-080 PC-G-6	Exterior trim- Wood- Green- Bldg G: Room 15 northwest	0.1062	< 47
2563898-081 PC-G-7	Downspout- Metal- White- Bldg G	0.1084	62
2563898-082 PC-G-8	Entry door- Metal- Green- Bldg G: Men's restroom	0.1016	< 49
2563898-083 PC-G-9	Door casing- Metal- Green- Bldg G: Men's Restroom	0.1015	< 49
2563898-084 PC-G-10	Door casing- Metal- Blue- Bldg G: Men's restroom	0.0614	< 81
2563898-085 PC-G-11	Window casing- Wood- White- Bldg G: Room 14	0.1026	< 49
2563898-086 PC-H-1	Exterior wall- Wood- White- Bldg H: Girl's restroom- northwest	0.1086	< 46



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Report Number: 2563898

NV5
370 Amapola Avenue, Suite 212
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Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2563898-087 PC-H-2	Exterior trim- Wood- Green- Bldg H: Girl's restroom- northwest	0.1029	< 49
2563898-088 PC-H-3	Downspout- Metal- White- Bldg H: Storage room- north	0.1057	< 47
2563898-089 PC-H-4	Entry door- Metal- Green- Bldg H: Boy's restroom	0.1067	< 47
2563898-090 PC-H-5	Door casing- Metal- Green- Bldg H: Boy's restroom	0.1056	< 47
2563898-091 PC-H-6	Door casing- Metal- Blue- Bldg H: Boy's restroom	0.1009	< 50
2563898-092 PC-H-7	Window casing- Metal- White- Bldg H: Room 17	0.0901	< 55
2563898-093 PC-H-8	Door- Wood- White- Bldg H: Room 17	0.1010	< 50
2563898-094 PC-H-9	Door casing- Metal- White- Bldg H: Room 17	0.1087	< 46

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt



(Lab) Order No.

2563898

CUSTOMER INFORMATION				Turnaround Time		Shipped By		Report Send Via:	
Company	NV5			Same Day	<input type="checkbox"/>	FedEx	<input type="checkbox"/>	Web	<input type="checkbox"/>
Address	370 Amapola Avenue, Suite 212			1 Day	<input type="checkbox"/>	UPS	<input type="checkbox"/>	Email	<input checked="" type="checkbox"/>
City/State/Zip	Torrance, CA 90501			2 Day	<input type="checkbox"/>	USPS	<input type="checkbox"/>	Fax	<input type="checkbox"/>
Contact	Jim Byers			3 Day	<input type="checkbox"/>	Drop Off	<input checked="" type="checkbox"/>	Verbal	<input type="checkbox"/>
Office Phone	562-495-5777			5 Day	<input checked="" type="checkbox"/>	Drop Box	<input type="checkbox"/>	Mail	<input type="checkbox"/>
Cell	562-447-0935			Weekend	<input type="checkbox"/>	Other	<input type="checkbox"/>	Pick up	<input type="checkbox"/>
Fax	562-495-5877			Special Instructions:					
Email	Jim.Byers@nv5.com								
PROJECT INFORMATION									
Project Name: LBUSD Poly HS Field Improvements				PO Number:		NA			
Project Number: 4470425-0010467.00				Work Order No.:		NA			
Location: 1545 Long Beach Blvd, Long Beach, 90813				Sampled By:		Thomas Jenkins, CDPH-ST <i>Thomas Jenkins</i>			
PLM			PCM		MOLD		LEAD (Pb)		
PLM EPA 600/M4-82-020 <input type="checkbox"/>			NIOSH 7400A <input type="checkbox"/>		Spore Trap <input type="checkbox"/>		Air <input type="checkbox"/> TTLC <input type="checkbox"/>		
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>			NIOSH 7400B <input type="checkbox"/>		Tape Lift <input type="checkbox"/>		Paint <input checked="" type="checkbox"/>		
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>			w/ TWA <input type="checkbox"/>		Bulk Sample <input type="checkbox"/>		Wipe <input type="checkbox"/>		
					Swab <input type="checkbox"/>		Soil <input type="checkbox"/>		
SAMPLE ID	SAMPLE TYPE	Color	LOCATION			Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-A-1	Wood Exterior wall	White	NA			9/18/2025	NA	NA	NA
PC-A-2	Wood Exterior trim	Green	NA			9/18/2025	NA	NA	NA
PC-A-3	Metal Downspout	White	NA			9/18/2025	NA	NA	NA
PC-A-4	Metal Entry door	Green	NA			9/18/2025	NA	NA	NA
PC-A-5	Metal Door casing	Green	NA			9/18/2025	NA	NA	NA
PC-A-6	Metal Door casing	Blue	NA			9/18/2025	NA	NA	NA
PC-A-7	Wood Door	White	NA			9/18/2025	NA	NA	NA
PC-A-8	Metal Door casing	White	NA			9/18/2025	NA	NA	NA
PC-A-9	Metal Window casing	White	NA			9/18/2025	NA	NA	NA
PC-B-1	Plastic Gutter	Green	NA			9/15/2025	NA	NA	NA
Relinquished By: Tom Jenkins <i>Tom Jenkins</i>				Received By: <i>Jackie Tabbutt</i>					
Date/Time: 09/19/25 12:50				Date/Time: 9/19/25 1250					
Relinquished By:				Received By:					
Date/Time:				Date/Time:					

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2563898

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-B-2	Metal Downspout	White	NA	9/15/2025	NA	NA	NA
PC-B-3	Metal Pipe coping	White	NA	9/15/2025	NA	NA	NA
PC-B-4	Wood Exterior trim	Green	NA	9/15/2025	NA	NA	NA
PC-B-5	Wood Fascia	Green	NA	9/15/2025	NA	NA	NA
PC-B-6	Metal Eaves	White	NA	9/15/2025	NA	NA	NA
PC-B-7	Wood Exterior wall	White	NA	9/15/2025	NA	NA	NA
PC-B-8	Metal Entry door	Green	NA	9/15/2025	NA	NA	NA
PC-B-9	Metal Door casing	Green	NA	9/15/2025	NA	NA	NA
PC-B-10	Metal Door casing	Blue	NA	9/15/2025	NA	NA	NA
PC-B-11	Wood Window casing	White	NA	9/15/2025	NA	NA	NA
PC-B-12	Metal Door casing	White	NA	9/15/2025	NA	NA	NA
PC-B-13	Wood Door	White	NA	9/15/2025	NA	NA	NA
PC-B1-1	Wood Exterior wall	White	NA	9/15/2025	NA	NA	NA
PC-B1-2	Wood Exterior trim	Green	NA	9/15/2025	NA	NA	NA
PC-B1-3	Metal Downspout	White	NA	9/15/2025	NA	NA	NA
PC-B1-4	Metal Door casing	Blue	NA	9/15/2025	NA	NA	NA
PC-B1-5	Metal Entry door	Green	NA	9/15/2025	NA	NA	NA
PC-B1-6	Metal Door casing	Green	NA	9/15/2025	NA	NA	NA
PC-B1-7	Wood Window casing	White	NA	9/15/2025	NA	NA	NA
PC-B1-8	Wood Fascia	Green	NA	9/15/2025	NA	NA	NA
Relinquished By: Tom Jenkins				Received By: Jackie Tabata			
Date/Time: 09/19/25				Date/Time: 9/19/25 1250			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No.	2563898
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SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-B1-9	Plastic Gutter	Green	NA	9/15/2025	NA	NA	NA
PC-C-1	Metal Roofing	Blue/Green	NA	9/16/2025	NA	NA	NA
PC-C-2	Metal Eaves	White	NA	9/16/2025	NA	NA	NA
PC-C-3	Wood Exterior wall	White	NA	9/16/2025	NA	NA	NA
PC-C-4	Wood Exterior trim	Green	NA	9/16/2025	NA	NA	NA
PC-C-5	Metal Fascia	Green	NA	9/16/2025	NA	NA	NA
PC-C-6	Metal Gutter	Green	NA	9/16/2025	NA	NA	NA
PC-C-7	Metal Downspout	White	NA	9/16/2025	NA	NA	NA
PC-C-8	Metal Pipe coping	White	NA	9/16/2025	NA	NA	NA
PC-C-10	Metal Entry door	Green	NA	9/16/2025	NA	NA	NA
PC-C-11	Metal Door casing	Green	NA	9/16/2025	NA	NA	NA
PC-C-12	Metal Door casing	Blue	NA	9/16/2025	NA	NA	NA
PC-C-13	Metal Window casing	White	NA	9/16/2025	NA	NA	NA
PC-D-1	Metal Roofing	Blue/Green	NA	9/16/2025	NA	NA	NA
PC-D-2	Metal Eaves	White	NA	9/16/2025	NA	NA	NA
PC-D-3	Wood Exterior wall	White	NA	9/16/2025	NA	NA	NA
PC-D-4	Wood Exterior trim	Green	NA	9/16/2025	NA	NA	NA
PC-D-5	Metal Downspout	White	NA	9/16/2025	NA	NA	NA
PC-D-6	Metal Pipe coping	White	NA	9/16/2025	NA	NA	NA
PC-D-7	Wood Fascia	Green	NA	9/16/2025	NA	NA	NA

Relinquished By: Tom Jenkins	Received By: Jackie Talbot
Date/Time: 09/19/25	Date/Time: 9/19/25 1250
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2563898

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-D-8	Metal Gutter	Green	NA	9/16/2025	NA	NA	NA
PC-D-9	Metal Window casing	White	NA	9/16/2025	NA	NA	NA
PC-E-1	Metal Roofing	Blue/Green	NA	9/18/2025	NA	NA	NA
PC-E-2	Metal Eaves	White	NA	9/18/2025	NA	NA	NA
PC-E-3	Plastic Gutter	Green	NA	9/18/2025	NA	NA	NA
PC-E-4	Wood Fascia	Green	NA	9/18/2025	NA	NA	NA
PC-E-5	Wood Exterior wall	White	NA	9/18/2025	NA	NA	NA
PC-E-6	Wood Exterior trim	Green	NA	9/18/2025	NA	NA	NA
PC-E-7	Metal Downspout	White	NA	9/18/2025	NA	NA	NA
PC-E-8	Metal Entry door	Green	NA	9/18/2025	NA	NA	NA
PC-E-9	Metal Door casing	Green	NA	9/18/2025	NA	NA	NA
PC-E-10	Metal Door casing	Blue	NA	9/18/2025	NA	NA	NA
PC-E-11	Metal Window casing	White	NA	9/18/2025	NA	NA	NA
PC-F-1	Metal Roofing	Blue/Green	NA	9/18/2025	NA	NA	NA
PC-F-2	Metal Eaves	White	NA	9/18/2025	NA	NA	NA
PC-F-3	Plastic Gutter	Green	NA	9/18/2025	NA	NA	NA
PC-F-4	Wood Fascia	Green	NA	9/18/2025	NA	NA	NA
PC-F-5	Wood Exterior wall	White	NA	9/18/2025	NA	NA	NA
PC-F-6	Wood Exterior trim	Green	NA	9/18/2025	NA	NA	NA
PC-F-7	Metal Downspout	White	NA	9/18/2025	NA	NA	NA
Relinquished By: Tom Jenkins				Received By: Jackie Tabatt			
Date/Time: 09/19/25				Date/Time: 9/19/25 1250			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2563898

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-F-8	Metal Entry door	Green	NA	9/18/2025	NA	NA	NA
PC-F-9	Metal Door casing	Green	NA	9/18/2025	NA	NA	NA
PC-F-10	Metal Door casing	Blue	NA	9/18/2025	NA	NA	NA
PC-F-11	Metal Window casing	White	NA	9/18/2025	NA	NA	NA
PC-G-1	Metal Eaves	White	NA	9/15/2025	NA	NA	NA
PC-G-2	Metal Roofing	Green/Blue	NA	9/15/2025	NA	NA	NA
PC-G-3	Plastic Gutter	Green	NA	9/15/2025	NA	NA	NA
PC-G-4	Wood Fascia	Green	NA	9/15/2025	NA	NA	NA
PC-G-5	Wood Exterior wall	White	NA	9/15/2025	NA	NA	NA
PC-G-6	Wood Exterior trim	Green	NA	9/15/2025	NA	NA	NA
PC-G-7	Metal Downspout	White	NA	9/15/2025	NA	NA	NA
PC-G-8	Metal Entry door	Green	NA	9/15/2025	NA	NA	NA
PC-G-9	Metal Door casing	Green	NA	9/15/2025	NA	NA	NA
PC-G-10	Metal Door casing	Blue	NA	9/15/2025	NA	NA	NA
PC-G-11	Wood Window casing	White	NA	9/15/2025	NA	NA	NA
PC-H-1	Wood Exterior wall	White	NA	9/18/2025	NA	NA	NA
PC-H-2	Wood Exterior trim	Green	NA	9/18/2025	NA	NA	NA
PC-H-3	Metal Downspout	White	NA	9/18/2025	NA	NA	NA
PC-H-4	Metal Entry door	Green	NA	9/18/2025	NA	NA	NA
PC-H-5	Metal Door casing	Green	NA	9/18/2025	NA	NA	NA

Relinquished By: Tom Jenkins

Date/Time: 09/19/25

Relinquished By:

Date/Time:

Received By:

Date/Time:

Received By:

Date/Time:

Jackie Tabatt
9/19/25 1250

(Lab) Order No. 2563898

[illegible]



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Report Number: 2564045

Date Received: 9/30/2025
Date Analyzed: 10/3/2025
Date Reported: 10/3/2025

Date Sampled: 9/24/2025
Sampled By: Thomas Jenkins
Total Samples: 16

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2564045-001 PC-A-10	Roofing- Metal- Blue/Green- Bldg A Lounge: southeast	0.0446	140
2564045-002 PC-A-11	Fascia- Metal- Green- Bldg A Lounge: southeast	0.1008	< 50
2564045-003 PC-A-12	Eaves- Metal- White- Bldg A: Media Center: south	0.1034	190
2564045-004 PC-B-14	Roofing- Metal- White- Bldg B: Southwest	0.0357	< 140
2564045-005 PC-B-15	Fascia- Metal- Green- Bldg B: southwest	0.0959	< 52
2564045-006 PC-B1-10	Roofing- Metal- Blue- Bldg B: Southwest	0.0539	120
2564045-007 PC-E-12	Fascia- Metal- Green- Bldg E: Room 7 west	0.1035	< 48
2564045-008 PC-F-12	Fascia- Metal- Green- Bldg F: Room 12 northwest	0.1062	< 47
2564045-009 PC-G-12	Fascia- Metal- Green- Bldg G: Room 15 north	0.1013	< 49
2564045-010 PC-H-10	Fascia- Wood- Green- Bldg H: east side at boy's restroom	0.1030	< 49
2564045-011 PC-H-11	Eaves- Metal- White- Bldg H: south side at Room 16	0.1056	95
2564045-012 PC-H-12	Fascia- Metal- Green- Bldg H: east side at boy's restroom	0.1015	< 49
2564045-013 PC-H-13	Roofing- Metal- Blue- Bldg H: east side at boy's restroom	0.0366	180
2564045-014 PC-L-1	Post- Metal- Yellow- Outdoor lunch structure	0.1032	< 48



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: 2564045

NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attention: Jim Byers

Project Number: 4470425-0010467.00
Project Name: LBUSD Poly HS
Field Improvements
Location: 1545 Long Beach Blvd.
Long Beach, CA 90813

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
2564045-015 PC-L-2	Post- Metal- Green- Outdoor lunch structure	0.1006	< 50
2564045-016 PC-L-3	Downspout- Metal- Green- Outdoor lunch structure	0.1072	< 47

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt



(Lab) Order No. 2564045

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:			
Company	NV5	Same Day <input type="checkbox"/>	FedEx <input type="checkbox"/>	Web <input type="checkbox"/>			
Address	370 Amapola Avenue, Suite 212	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>			
City/State/Zip	Torrance, CA 90501	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>			
Contact	Jim Byers	3 Day <input checked="" type="checkbox"/>	Drop Off <input type="checkbox"/>	Verbal <input type="checkbox"/>			
Office Phone	562-495-5777	5 Day <input type="checkbox"/>	Drop Box <input checked="" type="checkbox"/>	Mail <input type="checkbox"/>			
Cell	562-447-0935	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>			
Fax	562-495-5877	Special Instructions:					
Email	Jim.Byers@nv5.com						
PROJECT INFORMATION							
Project Name:	LBUSD Poly HS Field Improvements	PO Number:	NA				
Project Number:	4470425-0010467.00	Work Order No.:	NA				
Location:	1545 Long Beach Blvd, Long Beach, 90813	Sampled By:	Thomas Jenkins, CDPH-ST <i>Tom Jenkins</i>				
PLM		PCM	MOLD	LEAD (Pb)			
PLM EPA 600/M4-82-020 <input type="checkbox"/>	NIOSH 7400A <input type="checkbox"/>	Spore Trap <input type="checkbox"/>	Air <input type="checkbox"/>	TTL <input type="checkbox"/>			
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>	NIOSH 7400B <input type="checkbox"/>	Tape Lift <input type="checkbox"/>	Paint <input checked="" type="checkbox"/>				
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>	w/ TWA <input type="checkbox"/>	Bulk Sample <input type="checkbox"/>	Wipe <input type="checkbox"/>				
		Swab <input type="checkbox"/>	Soil <input type="checkbox"/>				
SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-A-10	Metal Roofing	Blue/Green	NA	9/24/2025	NA	NA	NA
PC-A-11	Metal Fascia	Green	NA	9/24/2025	NA	NA	NA
PC-A-12	Metal Eaves	White	NA	9/24/2025	NA	NA	NA
PC-B-14	Metal Roofing	White	NA	9/24/2025	NA	NA	NA
PC-B-15	Metal Fascia	Green	NA	9/24/2025	NA	NA	NA
PC-B1-10	Metal Roofing	Blue	NA	9/24/2025	NA	NA	NA
PC-E-12	Metal Fascia	Green	NA	9/24/2025	NA	NA	NA
PC-F-12	Metal Fascia	Green	NA	9/24/2025	NA	NA	NA
PC-G-12	Metal Fascia	Green	NA	9/24/2025	NA	NA	NA
PC-H-10	Wood Fascia	Green	NA	9/24/2025	NA	NA	NA
Relinquished By: Tom Jenkins <i>Tom Jenkins</i>		Received By: <i>Michael</i> <i>Justin Paklo</i>					
Date/Time: 09/30/25 9:55 AM		Date/Time: 9/30/25 0800					
Relinquished By:		Received By:					
Date/Time:		Date/Time:					

(Lab) Order No. 2564045

[illegible]



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Torrance, CA 90501
Attn.: Jim Byers

Report Number 2564048
Date Received 09/26/2025
Date Analyzed 10/03/2025
Date Reported 10/03/2025

Project Number 4470425-0010467.00
Project Name LBUSD Poly HS Field Improvements
Location 1545 Long Beach Blvd, Long Beach, 90813
PO Number
Total Samples Submitted 166
Date Sampled 09/26/2025
Sampled By Thomas Jenkins
Total Layers Analyzed 243

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-001 A-1-1	Carpet adhesive, Green/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-002 A-1-2	Carpet adhesive, Green/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-003 A-1-3	Carpet adhesive, Green/Cream, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-004 A-2-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-005 A-2-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-006 A-2-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-007 A-2-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-008 A-2-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-009 A-2-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-010 A-3-1A	Rolled flooring, White/Gray (mosaic), Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	10% 5% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-011 A-3-1B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-012 A-3-2A	Rolled flooring, White/Gray (mosaic), Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	10% 5% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-013 A-3-2B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-014 A-3-3A	Rolled flooring, White/Gray (mosaic), Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	10% 5% <1% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-015 A-3-3B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-016 A-4-1A	Engineered floor, Brown, Non- homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-017 A-4-1B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-018 A-4-2A	Engineered floor, Brown, Non- homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-019 A-4-2B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-020 A-4-3A	Engineered floor, Brown, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-021 A-4-3B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-022 A-5-1A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-023 A-5-1B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-024 A-5-2A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-025 A-5-2B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-026 A-5-3A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-027 A-5-3B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-028 A-6-1	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-029 A-6-2	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-030 A-6-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-031 A-7-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-032 A-7-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-033 A-7-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-034 A-8-1	Penetration mastic, Gray/ Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Organic Binders/Filler	10% 65% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-035 A-8-2	Penetration mastic, Gray/ Black, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Organic Binders/Filler	10% 65% 25%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-036 A-8-3	Penetration mastic, Gray/ Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Organic Binders/Filler	5% 50% 45%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-037 B-1-1A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-038 B-1-1B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-039 B-1-2A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-040 B-1-2B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-041 B-1-3A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-042 B-1-3B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-043 B-2-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	30% 25% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-044 B-2-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-045 B-2-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-046 B-3-1	Drywall, White/ Brown, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	2% <1% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-047 B-3-2	Drywall, White/ Brown, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	2% <1% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-048 B-3-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	2% <1% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-049 B-4-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-050 B-4-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-051 B-4-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-052 B-4-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-053 B-4-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-054 B-4-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-055 B-5-1	2'x4' drywall ceiling tiles, White, Homogeneous	LAYER 1 100%	Fibrous Glass Mica Gypsum/Filler	<1% 5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-056 B-5-2	2'x4' drywall ceiling tiles, White, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Mica Gypsum/Filler	<1% 5% 5% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-057 B-5-3	2'x4' drywall ceiling tiles, White, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Mica Gypsum/Filler	<1% 5% 5% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-058 B-6-1A	Rolled flooring, White, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-059 B-6-1B	Adhesive, Colorless, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Location 1545 Long Beach Blvd, Long Beach, 90813
PO Number
Total Samples Submitted 166
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Total Layers Analyzed 243

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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-060 B-6-2A	Rolled flooring, White, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-061 B-6-2B	Adhesive, Colorless, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-062 B-6-3A	Rolled flooring, White, Homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-063 B-6-3B	Adhesive, Colorless, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-064 B-7-1	Penetration mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	10% 5% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-065 B-7-2	Penetration mastic, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-066 B-7-3	Penetration mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-067 B1-1-1A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-068 B1-1-1B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-069 B1-1-2A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-070 B1-1-2B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-071 B1-1-3A	1'x1' VFT, White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-072 B1-1-3B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-073 B1-2-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-074 B1-2-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-075 B1-2-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-076 B1-3-1	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-077 B1-3-2	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Gypsum/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-078 B1-3-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-079 B1-4-1A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-080 B1-4-1B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-081 B1-4-2A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-082 B1-4-2B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-083 B1-4-3A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-084 B1-4-3B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-085 C-1-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-086 C-1-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-087 C-1-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-088 C-1-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-089 C-1-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-090 C-1-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-091 C-2-1	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-092 C-2-2	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-093 C-2-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-094 C-3-1	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-095 C-3-2	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-096 C-3-3	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-097 C-4-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-098 C-4-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-099 C-4-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Binder/Filler	55% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-100 C-5-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-101 C-5-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-102 C-5-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-103 C-5-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-104 C-5-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-105 C-5-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-106 D-1-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	20% 40% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-107 D-1-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	20% 40% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-108 D-1-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	20% 40% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-109 D-2-1	Carpet adhesive, Green/Beige, Non- homogeneous	LAYER 1 100%	Wood Fiber Adhesive Binders	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-110 D-2-2	Carpet adhesive, Green/Beige, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders	2% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-111 D-2-3	Carpet adhesive, Green/Beige, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Adhesive Binders	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-112 D-3-1	Drywall, White, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-113 D-3-2	Drywall, White/ Brown, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	2% <1% 98%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-114 D-3-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-115 D-4-1A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-116 D-4-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-117 D-4-2A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-118 D-4-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-119 D-4-3A	4" cove base, Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-120 D-4-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-121 D-5-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-122 D-5-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-123 D-5-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-124 D-5-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-125 D-5-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-126 D-5-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-127 D-6-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-128 D-6-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-129 D-6-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-130 D-6-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-131 D-6-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-132 D-6-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-133 E-1-1	2'x4' fissured ceiling tile, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	25% 40% 30% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-134 E-1-2	2'x4' fissured ceiling tile, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	25% 40% 30% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-135 E-1-3	2'x4' fissured ceiling tile, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	25% 40% 30% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-136 E-2-1	Drywall, White, Homogeneous	LAYER 1 100%	Fibrous Glass Gypsum/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-137 E-2-2	Drywall, White/ Brown, Non- homogeneous	LAYER 1 100%	Fibrous Glass Gypsum/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-138 E-2-3	Drywall, White, Homogeneous	LAYER 1 100%	Fibrous Glass Gypsum/Filler	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-139 E-3-1A	1'x1', White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-140 E-3-1B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-141 E-3-2A	1'x1', White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-142 E-3-2B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-143 E-3-3A	1'x1', White/Tan, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-144 E-3-3B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-145 E-4-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-146 E-4-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-147 E-4-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-148 E-4-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-149 E-4-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-150 E-4-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-151 E-5-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-152 E-5-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-153 E-5-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-154 E-5-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-155 E-5-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-156 E-5-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-157 E-6-1	Carpet Adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Adhesive Binders	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-158 E-6-2	Carpet Adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-159 E-6-3	Carpet Adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Adhesive Binders	<1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-160 F-1-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-161 F-1-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-162 F-1-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-163 F-1-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-164 F-1-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-165 F-1-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-166 F-2-1	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	10% <1% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-167 F-2-2	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-168 F-2-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-169 F-3-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-170 F-3-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-171 F-3-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-172 F-4-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-173 F-4-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-174 F-4-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-175 F-4-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-176 F-4-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-177 F-4-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-178 F-5-1	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Adhesive Binders	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-179 F-5-2	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Synthetic Fiber Adhesive Binders	10% 5% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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NV5
370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attn.: Jim Byers

Report Number 2564048
Date Received 09/26/2025
Date Analyzed 10/03/2025
Date Reported 10/03/2025

Project Number 4470425-0010467.00
Project Name LBUSD Poly HS Field Improvements
Location 1545 Long Beach Blvd, Long Beach, 90813
PO Number
Total Samples Submitted 166
Date Sampled 09/26/2025
Sampled By Thomas Jenkins
Total Layers Analyzed 243

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-180 F-5-3	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Wood Fiber Synthetic Fiber Adhesive Binders	10% 5% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-181 G-1-1A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-182 G-1-1B	Adhesive, Green, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-183 G-1-2A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-184 G-1-2B	Adhesive, Green, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-185 G-1-3A	Engineered floor, Gray, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-186 G-1-3B	Adhesive, Green, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-187 G-2-1A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-188 G-2-1B	Adhesive, Cream, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-189 G-2-2A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-190 G-2-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-191 G-2-3A	4" cove base, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-192 G-2-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-193 G-3-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-194 G-3-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-195 G-3-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	50% 10% 35% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-196 G-4-1	Drywall, Lt. Pink/Brown, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-197 G-4-2	Drywall, Lt. Pink/Brown, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-198 G-4-3	Drywall, Lt. Pink/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	5% <1% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-199 G-5-1A	Rolled floor, White (mosaic), Non-homogeneous	LAYER 1 100%	Fibrous Glass Synthetic Fiber Vinyl Binder/ Filler	<1% 20% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-200 G-5-1B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-201 G-5-2A	Rolled floor, White (mosaic), Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	15% 5% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-202 G-5-2B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-203 G-5-3A	Rolled floor, White (mosaic), Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	15% 5% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-204 G-5-3B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-205 G-6-1	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-206 G-6-2	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-207 G-6-3	Carpet adhesive, Green/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Synthetic Fiber Adhesive Binders/Filler	5% 10% 85%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-208 G-7-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-209 G-7-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-210 G-7-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-211 G-7-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-212 G-7-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-213 G-7-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-214 G-8-1	Roof joint/bolt caulking, White, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-215 G-8-2	Roof joint/bolt caulking, White/Gray, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-216 G-8-3	Roof joint/bolt caulking, White, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-217 H-1-1A	Rolled flooring, White, Non- homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-218 H-1-1B	Adhesive, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-219 H-1-2A	Rolled flooring, White, Non- homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-220 H-1-2B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-221 H-1-3A	Rolled flooring, White, Non- homogeneous	LAYER 1 100%	Synthetic Fiber Fibrous Glass Vinyl Binder/ Filler	20% <1% 80%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-222 H-1-3B	Adhesive, Lt. Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-223 H-2-1A	1'x1' VFT, Tan/Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-224 H-2-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-225 H-2-2A	1'x1' VFT, Tan/Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-226 H-2-2B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-227 H-2-3A	1'x1' VFT, Tan/Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-228 H-2-3B	Adhesive, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-229 H-3-1A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-230 H-3-1B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-231 H-3-2A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-232 H-3-2B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-233 H-3-3A	4" cove base, Brown, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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2564048-234 H-3-3B	Adhesive, Beige, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-235 H-4-1	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-236 H-4-2	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-237 H-4-3	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	<1% <1% 100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-238 H-5-1	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564048-239 H-5-2	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564048-240 H-5-3	2'x4' fissured ceiling tile, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Perlite Binder/Filler	55% <1% 40% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2564048-241 H-6-1	Caulking, Lt. Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2564048-242 H-6-2	Caulking, Lt. Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	
2564048-243 H-6-3	Caulking, Lt. Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos: No Asbestos Detected	

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Test results apply only to samples submitted and in the condition they were received. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt



NVLAP Lab Code 500044-0



(Lab) Order No. 2564048

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	NV5	Same Day	<input type="checkbox"/>	FedEx	<input type="checkbox"/>	Web	<input type="checkbox"/>
Address	370 Amapola Avenue, Suite 212	1 Day	<input type="checkbox"/>	UPS	<input type="checkbox"/>	Email	<input checked="" type="checkbox"/>
City/State/Zip	Torrance, CA 90501	2 Day	<input type="checkbox"/>	USPS	<input type="checkbox"/>	Fax	<input type="checkbox"/>
Contact	Jim Byers	3 Day	<input type="checkbox"/>	Drop Off	<input checked="" type="checkbox"/>	Verbal	<input type="checkbox"/>
Office Phone	562-495-5777	5 Day	<input checked="" type="checkbox"/>	Drop Box	<input type="checkbox"/>	Mail	<input type="checkbox"/>
Cell	562-447-0935	Weekend	<input type="checkbox"/>	Other	<input type="checkbox"/>	Pick up	<input type="checkbox"/>
Fax	562-495-5877	Special Instructions:					
Email	Jim.byers@nv5.com						
PROJECT INFORMATION							
Project Name: LBUSD Poly HS Field Improvements		PO Number:		NA			
Project Number: 4470425-0010467.00		Work Order No.:		NA			
Location: 1545 Long Beach Blvd, Long Beach, 90813		Sampled By:		Thomas Jenkins, CSST <i>Thomas Jenkins</i>			
PLM		PCM		MOLD		LEAD (Pb)	
PLM EPA 600/M4-82-020 <input checked="" type="checkbox"/>		NIOSH 7400A <input type="checkbox"/>		Spore Trap <input type="checkbox"/>		Air <input type="checkbox"/> TTLC <input type="checkbox"/>	
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>		NIOSH 7400B <input type="checkbox"/>		Tape Lift <input type="checkbox"/>		Paint <input type="checkbox"/>	
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>		w/ TWA <input type="checkbox"/>		Bulk Sample <input type="checkbox"/>		Wipe <input type="checkbox"/>	
				Swab <input type="checkbox"/>		Soil <input type="checkbox"/>	
SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
A-1-1	Carpet adhesive	Green	NA		NA	NA	NA
A-1-2	Carpet adhesive	Green	NA		NA	NA	NA
A-1-3	Carpet adhesive	Green	NA		NA	NA	NA
A-2-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
A-2-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
A-2-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
A-3-1	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
A-3-2	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
A-3-3	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
A-4-1	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
Relinquished By: Tom Jenkins <i>Tom Jenkins</i>				Received By: <i>Rebekah Fleming</i>			
Date/Time: 09/26/25 <i>1315</i>				Date/Time: <i>9/26/25 1316</i>			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
A-4-2	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
A-4-3	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
A-5-1	1' x 1' white with tan & brown specks VFT with adhesive	White	NA		NA	NA	NA
A-5-2	1' x 1' white with tan & brown specks VFT with adhesive	White	NA		NA	NA	NA
A-5-3	1' x 1' white with tan & brown specks VFT with adhesive	White	NA		NA	NA	NA
A-6-1	Drywall	White	NA		NA	NA	NA
A-6-2	Drywall	White	NA		NA	NA	NA
A-6-3	Drywall	White	NA		NA	NA	NA
A-7-1	2' x 4' fissured ceiling tiles	White	NA		NA	NA	NA
A-7-2	2' x 4' fissured ceiling tiles	White	NA		NA	NA	NA
A-7-3	2' x 4' fissured ceiling tiles	White	NA		NA	NA	NA
A-8--1	Penetration mastic	Black	NA		NA	NA	NA
A-8--2	Penetration mastic	Black	NA		NA	NA	NA
A-8--3	Penetration mastic	Black	NA		NA	NA	NA
B-1-1	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
B-1-2	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
B-1-3	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
B-2-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
B-2-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
B-2-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
Relinquished By: Tom Jenkins				Received By: <i>Rebekah Fleming</i>			
Date/Time: 09/26/25				Date/Time: <i>9/26/25 1316</i>			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
B-3-1	Drywall	White	NA		NA	NA	NA
B-3-2	Drywall	White	NA		NA	NA	NA
B-3-3	Drywall	White	NA		NA	NA	NA
B-4-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
B-4-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
B-4-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
B-5-1	2' x 4' drywall ceiling tiles	White	NA		NA	NA	NA
B-5-2	2' x 4' drywall ceiling tiles	White	NA		NA	NA	NA
B-5-3	2' x 4' drywall ceiling tiles	White	NA		NA	NA	NA
B-6-1	White rolled flooring with adhesive	White	NA		NA	NA	NA
B-6-2	White rolled flooring with adhesive	White	NA		NA	NA	NA
B-6-3	White rolled flooring with adhesive	White	NA		NA	NA	NA
B-7-1	Penetration mastic	Black	NA		NA	NA	NA
B-7-2	Penetration mastic	Black	NA		NA	NA	NA
B-7-3	Penetration mastic	Black	NA		NA	NA	NA
B1-1-1	1' x 1' white with tan & blue dashes VFT with adhesive	White	NA		NA	NA	NA
B1-1-2	1' x 1' white with tan & blue dashes VFT with adhesive	White	NA		NA	NA	NA
B1-1-3	1' x 1' white with tan & blue dashes VFT with adhesive	White	NA		NA	NA	NA
B1-2-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
B1-2-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
Relinquished By: Tom Jenkins				Received By: Rebekah Fleming			
Date/Time: 09/26/25				Date/Time: 9/26/25 1316			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
B1-2-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
B1-3-1	Drywall	White	NA		NA	NA	NA
B1-3-2	Drywall	White	NA		NA	NA	NA
B1-3-3	Drywall	White	NA		NA	NA	NA
B1-4-1	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
B1-4-2	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
B1-4-3	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
C-1-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
C-1-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
C-1-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
C-2-1	Drywall	White	NA		NA	NA	NA
C-2-2	Drywall	White	NA		NA	NA	NA
C-2-3	Drywall	White	NA		NA	NA	NA
C-3-1	Carpet adhesive	Green	NA		NA	NA	NA
C-3-2	Carpet adhesive	Green	NA		NA	NA	NA
C-3-3	Carpet adhesive	Green	NA		NA	NA	NA
C-4-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
C-4-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
C-4-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
C-5-1	4" black cove base with adhesive	Black	NA		NA	NA	NA

Relinquished By: Tom Jenkins	Received By: Deborah Fleming
Date/Time: 09/26/25	Date/Time: 9/26/25 13:16
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
C-5-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
C-5-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
D-1-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
D-1-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
D-1-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
D-2-1	Carpet adhesive	Green	NA		NA	NA	NA
D-2-2	Carpet adhesive	Green	NA		NA	NA	NA
D-2-3	Carpet adhesive	Green	NA		NA	NA	NA
D-3-1	Drywall	White	NA		NA	NA	NA
D-3-2	Drywall	White	NA		NA	NA	NA
D-3-3	Drywall	White	NA		NA	NA	NA
D-4-1	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
D-4-2	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
D-4-3	4" tan cove base with adhesive	Tan	NA		NA	NA	NA
D-5-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
D-5-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
D-5-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
D-6-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
D-6-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
D-6-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA

Relinquished By: Tom Jenkins	Received By: <i>Rebekah Fleming</i>
Date/Time: 09/26/25	Date/Time: <i>9/26/25 13:16</i>
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
E-1-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
E-1-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
E-1-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
E-2-1	Drywall	White	NA		NA	NA	NA
E-2-2	Drywall	White	NA		NA	NA	NA
E-2-3	Drywall	White	NA		NA	NA	NA
E-3-1	1' x 1' white with tan & brown specks with adhesive	White	NA		NA	NA	NA
E-3-2	1' x 1' white with tan & brown specks with adhesive	White	NA		NA	NA	NA
E-3-3	1' x 1' white with tan & brown specks with adhesive	White	NA		NA	NA	NA
E-4-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
E-4-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
E-4-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
E-5-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
E-5-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
E-5-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
E-6-1	Carpet adhesive	Green	NA		NA	NA	NA
E-6-2	Carpet adhesive	Green	NA		NA	NA	NA
E-6-3	Carpet adhesive	Green	NA		NA	NA	NA
F-1-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
F-1-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA

Relinquished By: Tom Jenkins	Received By: Rebekah Fleming
Date/Time: 09/26/25	Date/Time: 9/26/25 13:16
Relinquished By:	Received By:
Date/Time:	Date/Time:

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
F-1-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
F-2-1	Drywall	White	NA		NA	NA	NA
F-2-2	Drywall	White	NA		NA	NA	NA
F-2-3	Drywall	White	NA		NA	NA	NA
F-3-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
F-3-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
F-3-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
F-4-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
F-4-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
F-4-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
F-5-1	Carpet adhesive	Green	NA		NA	NA	NA
F-5-2	Carpet adhesive	Green	NA		NA	NA	NA
F-5-3	Carpet adhesive	Green	NA		NA	NA	NA
G-1-1	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
G-1-2	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
G-1-3	Gray engineered floor with adhesive	Gray	NA		NA	NA	NA
G-2-1	4" black cove base with adhesive	Black	NA		NA	NA	NA
G-2-2	4" black cove base with adhesive	Black	NA		NA	NA	NA
G-2-3	4" black cove base with adhesive	Black	NA		NA	NA	NA
G-3-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA

Relinquished By: Tom Jenkins

Date/Time: 09/26/25

Relinquished By:

Date/Time:

Received By: Kalebah Fleming

Date/Time: 9/26/25 13:16

Received By:

Date/Time:

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
G-3-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
G-3-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
G-4-1	Drywall	White	NA		NA	NA	NA
G-4-2	Drywall	White	NA		NA	NA	NA
G-4-3	Drywall	White	NA		NA	NA	NA
G-5-1	White, brown, & blue speckled rolled floor with adhesive	Various	NA		NA	NA	NA
G-5-2	White, brown, & blue speckled rolled floor with adhesive	Various	NA		NA	NA	NA
G-5-3	White, brown, & blue speckled rolled floor with adhesive	Various	NA		NA	NA	NA
G-6-1	Carpet adhesive	Green	NA		NA	NA	NA
G-6-2	Carpet adhesive	Green	NA		NA	NA	NA
G-6-3	Carpet adhesive	Green	NA		NA	NA	NA
G-7-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
G-7-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
G-7-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
G-8-1	Roof joint / bolt caulking	White	NA		NA	NA	NA
G-8-2	Roof joint / bolt caulking	White	NA		NA	NA	NA
G-8-3	Roof joint / bolt caulking	White	NA		NA	NA	NA
H-1-1	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
H-1-2	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
H-1-3	Blue, brown, & white speckled rolled flooring with adhesive	Various	NA		NA	NA	NA
Relinquished By: Tom Jenkins				Received By: Deborah Fleming			
Date/Time: 09/26/25				Date/Time: 9/26/25 13:16			
Relinquished By:				Received By:			
Date/Time:				Date/Time:			

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564048

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
H-2-1	1' x 1' with tan & brown specks VFT with adhesive	Tan/Brown	NA		NA	NA	NA
H-2-2	1' x 1' with tan & brown specks VFT with adhesive	Tan/Brown	NA		NA	NA	NA
H-2-3	1' x 1' with tan & brown specks VFT with adhesive	Tan/Brown	NA		NA	NA	NA
H-3-1	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
H-3-2	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
H-3-3	4" brown cove base with adhesive	Brown	NA		NA	NA	NA
H-4-1	Drywall	White	NA		NA	NA	NA
H-4-2	Drywall	White	NA		NA	NA	NA
H-4-3	Drywall	White	NA		NA	NA	NA
H-5-1	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
H-5-2	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
H-5-3	2' x 4' fissured ceiling tile	White	NA		NA	NA	NA
H-6-1	Caulking	Gray	NA		NA	NA	NA
H-6-2	Caulking	Gray	NA		NA	NA	NA
H-6-3	Caulking	Gray	NA		NA	NA	NA
H-Assumed	ASSUMED: lap counter tops	Black	NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA

Relinquished By: Tom Jenkins

Date/Time: 09/26/25

Relinquished By:

Date/Time:

Received By: Bebeckah Fleming

Date/Time: 9/26/25 13:16

Received By:

Date/Time:



1508 East 33rd Street
Signal Hill, CA 90755
Tel: 562-206-2770
Fax: 562-206-2773

NV5

370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attn.: Jim Byers

Report Number 2564058

Date Received 09/29/2025

Date Analyzed 10/03/2025

Date Reported 10/03/2025

Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 3

Date Sampled

09/26/2025

Sampled By

Thomas Jenkins

Total Layers Analyzed

3

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564058-001 H-7-1	Lab counter tops, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564058-002 H-7-2	Lab counter tops, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564058-003 H-7-3	Lab counter tops, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Test results apply only to samples submitted and in the condition they were received. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Cristina Tabatt

Approved Signatory Cristina E. Tabatt





(Lab) Order No. 2564058

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:			
Company	NV5	Same Day <input type="checkbox"/>	FedEx <input type="checkbox"/>	Web <input type="checkbox"/>			
Address	370 Amapola Avenue, Suite 212	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input checked="" type="checkbox"/>			
City/State/Zip	Torrance, CA 90501	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>			
Contact	Jim Byers	3 Day <input type="checkbox"/>	Drop Off <input type="checkbox"/>	Verbal <input type="checkbox"/>			
Office Phone	562-495-5777	5 Day <input checked="" type="checkbox"/>	Drop Box <input checked="" type="checkbox"/>	Mail <input type="checkbox"/>			
Cell	562-447-0935	Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>			
Fax	562-495-5877	Special Instructions:					
Email	Jim.byers@nv5.com						
PROJECT INFORMATION							
Project Name:	LBUSD Poly HS Field Improvements	PO Number:	NA				
Project Number:	4470425-0010467.00	Work Order No.:	NA				
Location:	1545 Long Beach Blvd, Long Beach, 90813	Sampled By:	Thomas Jenkins, CSST				
PLM		PCM	MOLD	LEAD (Pb)			
PLM EPA 600/M4-82-020 <input checked="" type="checkbox"/>	NIOSH 7400A <input type="checkbox"/>	Spore Trap <input type="checkbox"/>	Air <input type="checkbox"/>	TTLCL <input type="checkbox"/>			
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>	NIOSH 7400B <input type="checkbox"/>	Tape Lift <input type="checkbox"/>	Paint <input type="checkbox"/>				
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>	w/ TWA <input type="checkbox"/>	Bulk Sample <input type="checkbox"/>	Wipe <input type="checkbox"/>				
		Swab <input type="checkbox"/>	Soil <input type="checkbox"/>				
SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
H-7-1	Lab Counter Tops	Black	NA	9/26/2025	NA	NA	NA
H-7-2	Lab Counter Tops	Black	NA	9/26/2025	NA	NA	NA
H-7-3	Lab Counter Tops	Black	NA	9/26/2025	NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
Relinquished By:	Tom Jenkins <i>Tom Jenkins</i>	Received By:	Justin Pablo <i>Justin Pablo</i>				
Date/Time:	9/29/25 0600	Date/Time:	9/29/25 0800				
Relinquished By:		Received By:					
Date/Time:		Date/Time:					



1508 East 33rd Street
Signal Hill, CA 90755
Tel: 562-206-2770
Fax: 562-206-2773

NV5

370 Amapola Avenue, Suite 212
Torrance, CA 90501
Attn.: Jim Byers

Report Number 2564059

Date Received 09/29/2025

Date Analyzed 10/06/2025

Date Reported 10/06/2025

Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 25

Date Sampled 09/26/2025

Sampled By Thomas Jenkins

Total Layers Analyzed 25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564059-001 S-1	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-002 S-2	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-003 S-3	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-004 N-4	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-005 N-5	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 2564059
Date Received 09/29/2025
Date Analyzed 10/06/2025
Date Reported 10/06/2025

Project Number 4470425-0010467.00
Project Name LBUSD Poly HS Field Improvements
Location 1545 Long Beach Blvd, Long Beach, 90813
PO Number
Total Samples Submitted 25
Date Sampled 09/26/2025
Sampled By Thomas Jenkins
Total Layers Analyzed 25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564059-006 N-6	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-007 W-7	Asphalt, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate Other Non-Fibrous Material	5% 90% 5%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-008 W-8	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-009 W-9	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-010 C-10	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Date Received 09/29/2025

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Date Reported 10/06/2025

Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 25

Date Sampled 09/26/2025

Sampled By Thomas Jenkins

Total Layers Analyzed 25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564059-011 C-11	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-012 C-12	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-013 E-13	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-014 E-14	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-015 E-15	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Date Received 09/29/2025

Date Analyzed 10/06/2025

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Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 25

Date Sampled 09/26/2025

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Total Layers Analyzed 25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564059-016 E-16	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-017 E-17	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-018 E-18	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-019 E-19	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	5% 95%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-020 P-20	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 2564059

Date Received 09/29/2025

Date Analyzed 10/06/2025

Date Reported 10/06/2025

Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 25

Date Sampled 09/26/2025

Sampled By Thomas Jenkins

Total Layers Analyzed 25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2564059-021 P-21	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-022 P-22	Asphalt, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix Non-Fibrous Mineral Aggregate	10% 90%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-023 CNE-23	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-024 CNE-24	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
2564059-025 CNE-25	Concrete, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
Asbestos Present: No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 2564059

Date Received 09/29/2025

Date Analyzed 10/06/2025

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Project Number

4470425-
0010467.00

Project Name

LBUSD Poly HS Field Improvements

Location

1545 Long Beach Blvd, Long Beach, 90813

PO Number

Total Samples Submitted 25

Date Sampled

09/26/2025

Sampled By

Thomas Jenkins

Total Layers Analyzed


25

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Client ID	Client Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
----------------------------	---------------------------------------	----------------------	--------------------------------	----------------------

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Test results apply only to samples submitted and in the condition they were received. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.


Analyst - Fred Chapplear


Approved Signatory Cristina E. Tabatt

CA-ELAP #2823

TESTING
NVLAP Lab Code 500044-0



(Lab) Order No. 2564059

CUSTOMER INFORMATION				Turnaround Time		Shipped By		Report Send Via:	
Company	NV5			Same Day	<input type="checkbox"/>	FedEx	<input type="checkbox"/>	Web	<input type="checkbox"/>
Address	370 Amapola Avenue, Suite 212			1 Day	<input type="checkbox"/>	UPS	<input type="checkbox"/>	Email	<input checked="" type="checkbox"/>
City/State/Zip	Torrance, CA 90501			2 Day	<input type="checkbox"/>	USPS	<input type="checkbox"/>	Fax	<input type="checkbox"/>
Contact	Jim Byers			3 Day	<input type="checkbox"/>	Drop Off	<input type="checkbox"/>	Verbal	<input type="checkbox"/>
Office Phone	562-495-5777			5 Day	<input checked="" type="checkbox"/>	Drop Box	<input checked="" type="checkbox"/>	Mail	<input type="checkbox"/>
Cell	562-447-0935			Weekend	<input type="checkbox"/>	Other	<input type="checkbox"/>	Pick up	<input type="checkbox"/>
Fax	562-495-5877			Special Instructions:					
Email	Jim.byers@nv5.com								
PROJECT INFORMATION									
Project Name: LBUSD Poly HS Field Improvements				PO Number:		NA			
Project Number: 4470425-0010467.00				Work Order No.:		NA			
Location: 1545 Long Beach Blvd, Long Beach, 90813				Sampled By:		Thomas Jenkins, CSST. <i>Thomas Jenkins</i>			
PLM			PCM		MOLD		LEAD (Pb)		
PLM EPA 600/M4-82-020 <input checked="" type="checkbox"/>			NIOSH 7400A <input type="checkbox"/>		Spore Trap <input type="checkbox"/>		Air <input type="checkbox"/> TTLC <input type="checkbox"/>		
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>			NIOSH 7400B <input type="checkbox"/>		Tape Lift <input type="checkbox"/>		Paint <input type="checkbox"/>		
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>			w/ TWA <input type="checkbox"/>		Bulk Sample <input type="checkbox"/>		Wipe <input type="checkbox"/>		
					Swab <input type="checkbox"/>		Soil <input type="checkbox"/>		
SAMPLE ID	SAMPLE TYPE	Color	LOCATION		Date Sampled	Start Time	Stop Time	Avg Flow Rate	Volume (L)
S-1	Asphalt	Black	NA		9/26/2025	NA		NA	NA
S-2	Asphalt	Black	NA		9/26/2025	NA		NA	NA
S-3	Asphalt	Black	NA		9/26/2025	NA		NA	NA
N-4	Asphalt	Black	NA		9/26/2025	NA		NA	NA
N-5	Asphalt	Black	NA		9/26/2025	NA		NA	NA
N-6	Asphalt	Black	NA		9/26/2025	NA		NA	NA
W-7	Asphalt	Black	NA		9/26/2025	NA		NA	NA
W-8	Asphalt	Black	NA		9/26/2025	NA		NA	NA
W-9	Asphalt	Black	NA		9/26/2025	NA		NA	NA
C-10	Concrete	Gray	NA		9/26/2025	NA		NA	NA
Relinquished By: Tom Jenkins <i>Tom Jenkins</i>					Received By: <i>Justine Pabon</i>				
Date/Time: 9/24/25 0600					Date/Time: 9/24/25 0800				
Relinquished By:					Received By:				
Date/Time:					Date/Time:				

Company:	NV5
Project Number:	4470425-0010467.00
Project Name:	LBUSD Poly HS Field Improvements

(Lab) Order No. 2564059

SAMPLE ID	SAMPLE TYPE	Color	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
C-11	Concrete	Gray	NA	9/26/2025	NA	NA	NA
C-12	Concrete	Gray	NA	9/26/2025	NA	NA	NA
E-13	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-14	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-15	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-16	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-17	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-18	Asphalt	Black	NA	9/26/2025	NA	NA	NA
E-19	Asphalt	Black	NA	9/26/2025	NA	NA	NA
P-20	Asphalt	Black	NA	9/26/2025	NA	NA	NA
P-21	Asphalt	Black	NA	9/26/2025	NA	NA	NA
P-22	Asphalt	Black	NA	9/26/2025	NA	NA	NA
CNE-23	Concrete	Gray	NA	9/26/2025	NA	NA	NA
CNE-24	Concrete	Gray	NA	9/26/2025	NA	NA	NA
CNE-25	Concrete	Gray	NA	9/26/2025	NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA
			NA		NA	NA	NA

Relinquished By: Tom Jenkins

Date/Time: 01/00/00

Relinquished By:

Date/Time:

Received By:

Date/Time:

Received By:

Date/Time:

Justin Palks
9/29/25 0800

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 500044-0

AQ Environmental Laboratories - Bulk Asbestos Fiber Analysis
Signal Hill, CA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).*

2025-01-01 through 2025-12-31

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

AQ Environmental Laboratories, LLC

1508 East 33rd Street

Signal Hill, CA 90755

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2823**

Effective Date: **9/1/2025**

Expiration Date: **8/31/2027**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

**CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation**

AQ Environmental Laboratories, LLC

1508 East 33rd Street
Signal Hill, CA 90755
Phone: (562) 206-2770

Certificate No. 2823

Expiration Date 8/31/2027

***As of 9/1/2025, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Accreditation: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.515	001	Lead	EPA 7420

Field of Accreditation: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/R-93-116

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200346-0

AmeriSci Los Angeles
Carson, CA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué on ISO/IEC 17025).*

2025-01-01 through 2025-12-31

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

America Science TEAM Los Angeles dba. AmeriSci Los Angeles

24416 Main Street, Suite 308

Carson, CA 90745

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3102**

Effective Date: **3/15/2024**

Expiration Date: **3/14/2026**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

Appendix G

Chain of Custody for Returned Samples (N/A for this project)

Appendix H

RCRA, non-RCRA, and non-hazardous manifest samples

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of		3. Emergency Response Phone		4. Manifest Tracking Number 003943181 JJK					
		5. Generator's Name and Mailing Address						Generator's Site Address (if different than mailing address)					
		Generator's Phone											
		6. Transporter 1 Company Name						U.S. EPA ID Number					
		7. Transporter 2 Company Name						U.S. EPA ID Number					
		8. Designated Facility Name and Site Address						U.S. EPA ID Number					
		Facility's Phone											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol	13. Waste Codes			
					No.	Type							
		1.											
		2.											
		3.											
	4.												
14. Special Handling Instructions and Additional Information													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offeror's Printed/Typed Name						Signature				Month	Day	Year	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____												
	17. Transporter Acknowledgment of Receipt of Materials												
TRANSPORTER	Transporter 1 Printed/Typed Name						Signature				Month	Day	Year
	Transporter 2 Printed/Typed Name						Signature				Month	Day	Year
DESIGNATED FACILITY	18. Discrepancy												
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____												
	18b. Alternate Facility (or Generator) U.S. EPA ID Number												
	Facility's Phone												
	18c. Signature of Alternate Facility (or Generator)												
	Month Day Year												
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
	1.	2.	3.	4.									
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
Printed/Typed Name						Signature				Month	Day	Year	

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No.

Type

11. Total

Quantity

12. Unit

WL/Vol.

1.

2.

3.

4.

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

☐ Import to U.S.☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

☐ Quantity☐ Type☐ Residue☐ Partial Rejection☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Appendix I

Employee Certifications

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Thomas Jenkins

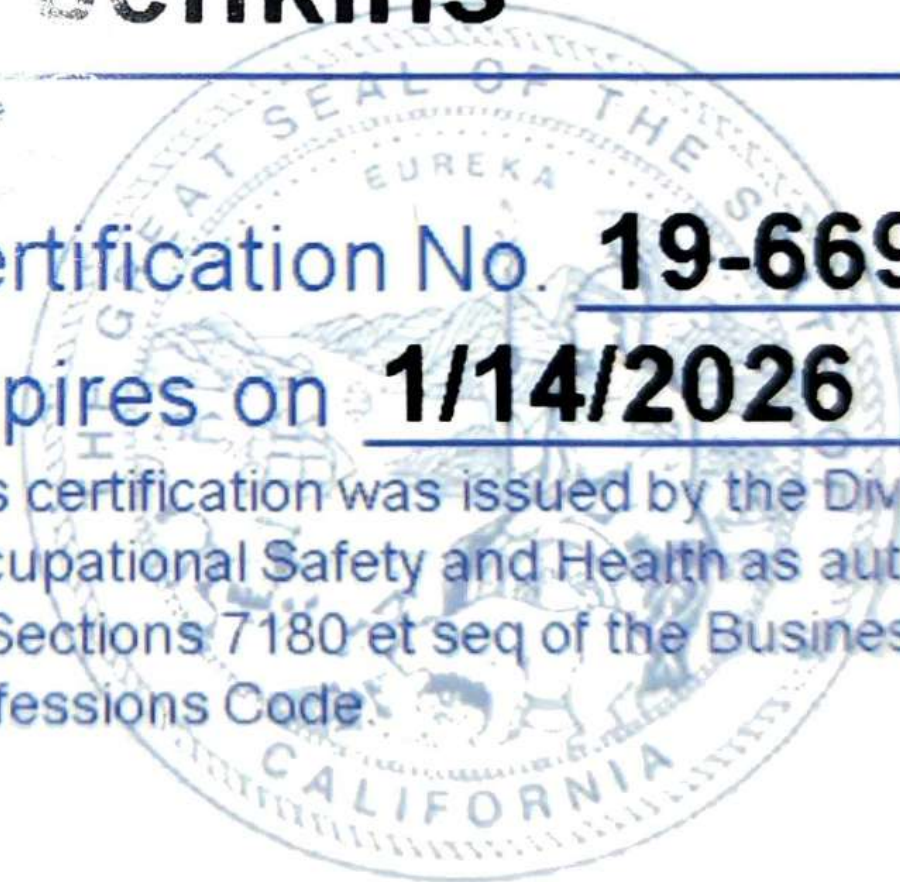


Name

Certification No. **19-6698**

Expires on **1/14/2026**

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

INDIVIDUAL:



Thomas Jenkins

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00002971

EXPIRATION DATE:

10/27/2025

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician
Jorge Robles

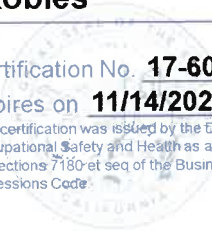


Name

Certification No. **17-6028**

Expires on **11/14/2025**

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

INDIVIDUAL:



Jorge Robles

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00003495

EXPIRATION DATE:

11/20/2025

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
James Charles Byers, Jr.

Name

Certification No. **06-4122**

Expires on **1/18/2026**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7130 et seq of the Business and Professions Code





STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



James Byers

CERTIFICATE TYPE:

Lead Inspector/Assessor

NUMBER:

LRC-00001746

EXPIRATION DATE:

8/24/2026

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

Appendix J

Scope of Work

Attachment 1

Project Description & Scope of Services

Site Description.

Poly Academy of Achievers and Leaders “PAAL”, located at 1545 Long Beach Blvd., Long Beach, CA 90813, was constructed in 1996 and is an annex to Poly High School which supports students from Grade 11th through Grade 12th earning a Poly High School diploma. The site is approximately 1.9 acres in size. The permanent buildings and portables encompass about 30,550 square feet. LBUSD intends to close down the facility, but not the program, and convert the site into a softball/multipurpose field for Poly HS.

Project Description.

Scope includes, but is not limited to:

- Demolition of all existing buildings, shade structures and any associated site work.
- New softball field that meets CIF field regulations and associated softball field fencing and gates.
- New multi-purpose field that meets CIF soccer field regulations over the softball field and associated field goal posts.
- Incorporate new backstop, bleachers, dugouts, lighting, scoreboard, and fencing and gates. Include new restroom and storage structures
- The program is to include the following:
 - (2) 60' batting cages
 - Bullpens, (1) for home team and (1) for visitor team
 - Elevated bleachers with ramp and stairs with a 200 spectator capacity
 - Ticketing, concessions and restrooms building
 - Enclosed out door storage area
 - Associated chain link perimeter fencing and gates
 - Associated sports field lighting
 - Associated scoreboard

Scope of Services

Phase I: Survey, Investigation, and Contract Specifications

- Review existing documents, existing site conditions, and/or surveys of the project site that will be made available by the District and attend Hazardous Materials Survey kickoff meeting. Reviews may include but are not limited to the following:
 - Review Scope of Work, assess existing site conditions, review existing hazardous material reports prepared by others, as-built/record drawings (CD, if available), copies of relevant modernization design drawings currently in progress, and/or specification plans for proposed construction activities. This will include:
 - Determining what type of work will occur on the project
 - Conduct a visual assessment of accessible areas.
 - Perform an inspection of the locations involved in the project to determine what materials will be impacted and will require sampling, or are in close proximity to the work and could be impacted, as a result of the project (e.g., asbestos, lead, mercury, and other suspect conditions). The inspection may include accessing and testing inaccessible spaces once rooms are unoccupied. This may require the use of a borescope and/or cutouts coordinated with District staff to view the interior of walls and ceiling spaces
 - Conduct a preliminary assessment to determine homogeneous areas and sampling schemes.
 - Review the District's existing lead and asbestos records, reports, and/or historical documentation to determine if the materials to be impacted or those that could be impacted contain lead or asbestos.
 - Collect bulk samples of suspect materials not identified as positive or negative for asbestos content and lead.

- Take bulk samples of all materials that are suspected to be hazardous including all unmarked containers containing unknown substances as follows:
 - Sample paint and window caulking and test for metals
 - Count the number of fluorescent light ballasts, fluorescent bulbs, and mercury vapor lights.
 - Count the number of mercury thermostats and light switches.
 - Count the number of cooling units, air conditioners, and water fountains and evaluate for Freon.
 - Sample asphalt and concrete in areas where asphalt and concrete will be disturbed per homogeneous area in accordance with AHERA frequency requirements.
 - Dispose of any Asphalt/Concrete coring waste according to district guidelines and include costing in proposal.
 - Other suspect conditions – Sample as required
 - Inform District if water damage is encountered.
 - Take digital photographs of special site conditions, anomalies, and for describing conditions more clearly. Where consultant identifies suspected contamination in occupied spaces these should be documented with digital photographs.
- The consultant may be assigned to work in cooperation with an architectural/engineering firm or group to address the existing asbestos and lead issues during the development of the project. The consultant will be required to collect information about the project from the District staff or construction consultant as necessary to determine full scope of the project.
- Review Asbestos Management Plan, Survey Reports, and supplemental bulk sample and analysis reports and reports prepared by consultants on prior projects.
- Determine whether existing bulk sampling data is adequate to determine the presence or absence of asbestos within the material sampled as required by the Asbestos Hazard Emergency Response Act (AHERA) and Asbestos School Hazard Abatement Reauthorization Act (ASHARA) sampling protocol.
- Conduct Polarized Light Microscopy (PLM) analysis of suspect ACM in accordance with United States Environmental Protection Agency (USEPA) protocol as found in the Asbestos Hazard Emergency Response Act (Code of Federal Regulation, Section 40, Part 763).
- Perform a building inspection of areas to be disturbed by proposed construction activities
 - Including attic spaces and crawlspaces where scope of work applies. Visually inspect, photograph, and sample attic spaces. If access is restricted, and destructive testing is required, set up containment, perform ambient air monitoring at exterior, and conduct work when building is vacated.
 - Include in separate line item in proposal and proposal budget
 - Visually inspect and photograph crawlspaces to confirm presence of suspect materials that would require testing e.g., broken pipe with friable material, pipe wrapped in plastic sheeting. Take samples if necessary. Perform destructive testing on an as needed basis with District approval and coordination.
 - Include in a separate line item in proposal and proposal budget
- Identify the presence of painted surfaces and report on the existing condition of the painted surface.
- Conduct x-ray fluorescence (XRF) sampling of painted surfaces to assess lead content. **If inconclusive, paint chip confirmation samples are to be obtained.**
- Where steel beams are present and visible, paint chip samples shall be collected and assessed for lead content.
- Where hardwood flooring is required to be sanded, collect bulk samples of the varnished and/or painted surfaces not previously identified as lead-containing or non-lead-containing by bulk sampling.
- Where a building is scheduled for sandblasting bulk samples will be collected of paint on surfaces to receive such sandblasting to determine lead content.
- Complete the CDPH Form 8552 and submit in accordance with Title 17, Article 16, Section 36000 for all surfaces tested.
- Establish a survey and inspection plan of the project site in order to create a complete and thorough set of contract documents.
- Coordinate with the project management team prior to collecting suspected PCB samples, to obtain scheduling information ahead of collection.
- Collect samples of existing building materials for analysis of potential hazardous materials. Provide for the analysis of the building and facility materials samples by an accredited lab and develop detailed laboratory test result

reports. Use the field review and sample collection information and analysis to develop the abatement plan and/or in-place management plans if applicable.

- Consultant shall provide five (5) business days notice along with a key request form and an after-hours request form, to the designated representative of the District, prior to starting any on-site assessment or sampling. The Consultant shall notify the District representative for all work to be performed, including the date and time of the consultant's visit. Sampling may only be performed when staff and students are not present in the areas to be sampled. The Consultant shall not displace staff or students for sampling purposes.
- Determine whether sampling data is adequate to confirm or negate the presence of hazardous containing material.
- Determine quantity and location of all hazardous materials on the project site, including asbestos, mercury, lead and other hazardous materials as defined by the State of California. Develop a complete and detailed hazardous building material survey and investigation of the buildings and facilities at the project site that the District may use as a construction contract document and provide one (1) electronic copy of the report to the District Environmental Project Manager and the Project Management team.
- Prepare specifications that shall be included in the construction contract documents and include as an appendix (Appendix A, specifically) to the Hazardous Materials Survey Report.
- Specifications prepared require asbestos and lead abatement work to be performed in compliance with Local, Federal and State laws and District Standards (e.g., 40 CFR, Part 763, Subpart E; 40 CFR, Part 61, Subparts A & M; CCR Title 8, Section 1529; and SCAQMD Rule 1403, etc.).
- The consultant shall assume that the submitted Hazardous Materials Survey Report will be forwarded for inclusion into the demolition contract bidding document with no review. Reports found to be in error or deficient with respect to contract requirements during the quality control check may lead to Consultant disqualification on future LBUSD projects.
- On all pages of the Hazardous Materials Survey Report, the address of the site and name of the proposed school as well as the name of the project (e.g., HVAC Modernization, Esser Shade Structures, etc.) shall be listed. The table of contents shall include at a minimum the following information, with a note clarifying items that are not applicable and justification:
 - Section (e.g., Asbestos, Lead, or other suspect hazardous materials), Title, Page number
 - List of acronyms
 - List of definitions
 - Executive summary, introduction, purpose, and scope of services
 - Discussion of Historical Data
 - Scope of work
 - Visual survey, sampling methodology, and analytical procedures
 - Discussion of survey findings by material type (i.e., asbestos, lead, or other suspect materials) and location including impacts and basis for the results or assumption
 - Type of impact anticipated by the work planned as it relates to material type (i.e., asbestos, lead, or other suspect materials).
 - Identify any irregularities encountered during the inspection and including listing any portions of the project site that were not inspected
 - Individual detailed section for asbestos including but not limited to recommendations for properly managing asbestos containing materials (ACMs), AHERA/ASHARA compliance, documentation etc.
 - Individual detailed section for lead including but not limited to recommendations for properly impacting lead-containing materials and paint stabilization that will be required before such impact or potential impact, recommendations to avoid disturbing lead-containing materials where feasible, and CDPH Form 8552 and required supporting documents not listed herein
 - Conclusions and recommendations
 - Confidentiality and Limitations
 - Appendix A – Abatement Specifications
 - Appendix B – Test Results by XRF, PLM, laboratory tests for PCBs if applicable, and/or Bulk Samples
 - Appendix C – Site Drawings
 - Appendix D– Sample location drawings for hazardous-containing materials (building number, bulk sample ID numbers, location, and date for historical and new)

- Appendix E – Tables – Building numbers, bulk sample ID numbers (where applicable), results, and a summary of hazardous containing materials anticipated to be impacted, and the room and location designation
- Appendix F – Location and component type of hazardous-containing material anticipated to be impacted by building identifier and material
- Appendix G – Consultants’ sample analytical results with laboratory chain of custody and proof of laboratory certification
- Appendix H – Chain of custody for returned samples
- Appendix I – RCRA, non-RCRA, and non-hazardous manifest templates
- Appendix J – Consultant’s certifications
- Appendix K – Scope of Work
- Appendix L – Consultant’s Checklist (in Draft Report Only)

Phase II: Review Abatement Plan Submittal provided by the Contractor via the Submittal Review Process and Review Cost Estimate for Abatement Work

(Not applicable at this time. TO BE NEGOTIATED UPON COMPLETION OF PHASE I)

- Assume review of one abatement workplan, and provide pricing for additional abatement workplans that will be honored on a per abatement workplan basis.
- Review Abatement Plan Submittal provided by the Construction Contractor, and verify asbestos and lead abatement work to be performed is in compliance with Local, Federal, and State laws and District Standards (e.g., 40 CFR, Part 763, Subpart E; 40 CFR, Part 61, Subparts A & M; CCR Title 8, Section 1529; and SCAQMD Rule 1403, etc.). Deliver review comments to the District on District provided comment template.
- Verify Abatement Plan is confined to scope of work areas specified by the District Project Manager and that areas of abatement are indicated to be removed and properly disposed of as required by governing laws and regulations, abatement methods ensure a safe working environment, and methods eliminate the potential exposure of people from hazardous materials.
- Verify Abatement Plan describes the quantity and location of all hazardous material, provides a plan for abatement and removal (as well as a construction abatement schedule), describes specific abatement procedures including testing, handling, disposal, and on-site monitoring in compliance with Local, Federal, and State laws and District standards
- Coordinate with District, Architect, Construction Manager and other Consultants and with Government agencies having jurisdiction as required to ensure that the Contractor incorporates all requirements and hazardous material consultant’s recommendations into the contractor’s abatement plans.
- Review a cost estimate of the abatement work, if requested, based on the Construction Contractor’s approved Abatement Plan Submittal and provide comments to the District as a deliverable.
- Consultant shall review the projects demolition plans and ensure all hazardous materials (i.e., asbestos, lead, and other suspect hazardous materials) affected by demolition are indicated to be removed and properly disposed of as required by governing laws and regulations and also to ensure a safe working environment and to eliminate the potential exposure of people from hazardous materials.
- Provide an approved abatement workplan, with signature and date and project name/construction phase, to the District’s project management team and the environmental team.
- Provide consulting services associated with hazardous material abatement work, including, but not limited to, attending pre-bid meetings and job walks, and responding to questions from the contractor.
- Communicate with Environmental Compliance Team regarding abatement schedule to ensure appropriate notifications are posted on site.

Phase III: Monitoring During Construction

(Not applicable at this time. TO BE NEGOTIATED UPON COMPLETION OF PHASE I)

- Attend kickoff meetings, pre-job meetings and describe at the pre-job meetings what asbestos, lead, and hazardous materials are affected by the project and what will be required of the contractor. Onsite technicians are to attend the weekly owner meetings as required.

- The Consultant shall attend the pre-job meetings and ensure the Contractor, the contractor's designated supervisor/competent person, and the Plant Manager, have been notified of the date, time, and location of the meeting. At the pre-job meeting the Consultant shall provide direction to the Contractor regarding their limitations, request necessary informational items needed prior to work start, discuss protective measures used during the project and ensure all required notifications have been or will be submitted prior to abatement work, and **collect from the Contractor all documentation required before the project begins**. These shall include the following:
 - Notification to the agencies that require such notices.
 - Negative exposure assessment to be relied upon by the Contractor for the project.
 - Documents verifying current respirator fit test, medical surveillance, and training for all employees anticipated to work on the project and that will be required to wear respirators.
 - Training certificates for abatement workers and proof of 16-hour asbestos awareness training for workers performing minor impact.
 - Current Certified Asbestos Consultant certifications by the California Division of Occupational Safety and Health.
 - Current State of California Department of Public Health Lead Certification for Inspector/Assessor, Project Designer, Supervisor, or Project Monitor as necessary for all staff performing lead-related services.
 - Current Certified Industrial Hygienist Certifications.
 - Specifications for all equipment to be used on the project.
 - Filter change history for all air filtration units, vacuums, and water filtration equipment.
 - Copies of the Contractor's License, DOSH registration, and CDPH registration.
 - List including the transporter to be used for waste and the landfill in which waste shall be deposited.
- Review contract specifications and general contractor's submittals, shop drawings, hazardous remediation/abatement plan, demolition plan, worker certificates, medical clearances, respirator fit tests and Injury Illness Prevention Plan (IIPP).
- Review general contractor's means and methods of performing proposed activities when required to be submitted as part of the contract.
- Coordinate and establish with the District's construction management team, while keeping the environmental team on all communications. Coordinate and establish a project start date and schedule for progress of the abatement work. Some start dates will be in conjunction with the General Contractor's start date.
- Provide complete demolition and hazardous material abatement construction field monitoring in accordance with the requirements Local, Federal and State and District requirements including but not limited to all air monitoring, sampling and testing. Consultant's monitoring of contractor's operations shall ensure compliance with the abatement plan prepared by the Consultant and result in the proper removal and final disposal and disposition of hazardous materials that exist on the project site.
- Collect and test bulk samples of unforeseen, suspect materials not identified as positive or negative for asbestos content, lead and PCBs.
- Monitor and manage abatement, and/or hazardous materials related construction work in strict compliance with the District's contract requirements, including scope of work, Standard specifications, air monitoring, wipe sampling, necessary testing, local, state, and federal requirements, and other contract requirements.
- Notify the District of all abatement work that is scheduled to be performed by emailing a copy of the notification to SCAQMD or DOSH, or in the absence of such a notice being required, by other written notification. The notification shall at a minimum include date(s), site, individual agency required information, and buildings to be involved. Additional detail may be requested on a project by project basis.
- Provide written notices and/or notifications as required by local, state, and federal regulations.
- Manage and monitor abatement and/or hazardous material related construction work to ensure completion of the scope of work in the contract between the General Contractor and/or Asbestos Abatement Contractor, Lead Abatement Contractor, Hazardous Material Abatement Contractor, and the District. Conduct ACM and LCM abatement compliance inspections, including environmental and clearance air monitoring, quality control and assurance programs for field sampling.

- Consultant will monitor the abatement work to ensure compliance with contract specifications and all federal, state, and local regulatory requirements applicable to such work.
- Inspect the set-up of the Contractor's containment and be satisfied the setup is acceptable to meet specifications and industry standards before allowing the Contractor to proceed with abatement activities.
- Collect asbestos air samples during abatement work and analyze within twenty-four (24) hours. Clearance air samples at conclusion of abatement work shall be analyzed in accordance with the requirements of the Asbestos Hazard Emergency Response Act (AHERA), the Asbestos School Hazard Abatement Reauthorization Act (ASHARA), 40 Code of Federal Regulations (CFR), Environmental Protection Agency (EPA) rules regarding asbestos containing materials in schools and other applicable requirements of responsible regulatory agencies.
- Daily, or as required by site/project conditions, the Consultant shall discuss with the team the work to be done that day and reiterate safety measures to be implemented for the tasks scheduled for the day, and shall inspect the containment from the outside and the inside to ensure the containment remains intact. The Consultant shall exercise such authority so as to stop removal or other abatement activities if containment does not pass daily inspection. The Consultant shall have the Contractor make repairs to containment as necessary before allowing further work to proceed.
- Inspect the actual work process as necessary to ensure it is being performed according to all contractual and legal requirements, as well as, general safe work practices.
- Photograph conditions and incidents that appear out of the normal process, as determined by the Consultant, in which there is a potential for discrepancy or contest with the contract specifications and/or legal requirements.
- Notify the District whenever work stoppage is ordered for more than minor infractions. Submit to the District the photographs taken, via email, for further direction.
- Notify the District whenever a regulator comes onsite, or unauthorized visitors arrive onsite during abatement work.
- Ensure the Contractor operates the air filtration units, where such units are required to be used on a project, following the lock down material application for a minimum of 12-hours before clearance air sampling is performed.
- Notify the District in writing prior to collecting clearance air samples, which shall include the date and time schedule for collecting air samples as well as the site name and address.
- Collect air samples for the purpose of providing a clearance for occupancy of the abatement area as required by AHERA, and as specified here.
- If the contained area is clear for entering, the Consultant shall inform the Contractor and arrange to have the containment removed within 24-hours of the notification.
- If the area does not pass the criteria established by AHERA, THE Consultant shall notify the Contractor to arrange to have the Contractor re-clean this work space within 24-hours of the notification. Following the re-cleaning the Consultant shall again follow the procedure for occupancy clearance sampling. This procedure shall continue until the area achieves clearance as required by AHERA and the contractual requirements. The Consultant shall notify the District of all abatement areas that fail to pass clearance monitoring as a result of a fiber concentration in excess of the AHERA standard. This notification shall include the cost to perform the collection of air samples and the cost of analysis if performed by the Consultant.
- Notify the District and the contractor in writing when the Contractor has completely removed from the site the containment and all equipment, waste containers, and other items belonging to or provided by the Contractor.
- Upon completion of the work and not more than three (3) work days from the completion date, the consultant shall inspect the areas accessed by the Contractor and make a list of any corrective items relating to the contractual requirements or damage caused by the Contractor in the course of the contract execution. This list shall be provided to the District who will provide this to the Contractor. The Contractor shall have 35-days in which to complete, repair, or replace any items not completed, damaged, or to provide any items yet to be submitted as required by the contract.
- Upon completion of abatement or construction activities, inspect the entire containment setup, polyethylene used in the containment setup, the decontamination activities, and any other item, equipment or material within the isolated/regulated area. Verify that all surfaces are free of visible debris before performing clearance monitoring

or releasing the work area for normal occupancy. Notify the Contractor of the clearance test results or release of containment by visual inspection, whichever applies, once these are available, but no later than the following workday at 8:00 AM. If the contained area is clear for entering, inform the contractor and arrange to have the containment removed within 24-hours of the notification. If the area does not pass the criteria established for clearance, notify the contractor and arrange to have the Contractor re-clean this work space within 24-hours of the notification. Following the re-cleaning, again perform clearance monitoring. This procedure continues until the area achieves the clearance criteria.

- **Characterize construction waste materials from hazardous materials abatement work. Waste characterization shall be performed in accordance with applicable requirements of responsible regulatory agencies.** This includes characterization of wastes as hazardous waste and/or Resource conservation Recovery Act (RCRA) hazardous waste.
- **Verify the Uniform Hazardous Waste Manifest, when required, has been submitted and reviewed by the District for completeness a minimum of 48-hours prior to the date the waste is to be removed from the site.** Provide waste specific information for inclusion on the manifest. No hazardous waste may be transported away from a District site without a manifest.
 - Complete the quantity portions of the manifest and sign on behalf of the District verifying the information on the manifest is correct. Original copies of this manifest shall be submitted to the District within 48-hours.
 - Retain copies for inclusion in the close-out document submittal.
- Inspect the site upon notification by the Contractor that the work is complete. Itemize corrective items and communicate corrective items to the District's Construction Manager.
- If corrective items listed are not completed after agreed upon communications during the post-corrective action follow-up inspection, the Consultant shall notify the Contractor and the District within 24-hours of this inspection.
- Submit all original paper work required to be maintained by the contract documents, this agreement, and by law to the District within the required timeframes. Included in the final submittals shall be a signed statement by the Consultant that all work required by the contract was monitored and performed in compliance with regulatory requirements and District standards.
- The Consultant shall not have, assume, or exercise authority to change, deviate, alter, or modify any contract, contract specifications, contract conditions, or contract plans awarded by the District. The Consultant may identify circumstances within a project that appear to need changing, if so this is to be communicated in writing to the District with reasons and justifications. Any change in the scope of work requires that change to be reviewed by the Consultant to ensure whatever additional impact, if any, to asbestos containing materials is addressed in the specifications. If impact will occur a revised abatement plan may be required.
- Provide efficient coordination and scheduling between demolition contractor, general contractor, construction manager, District's Inspector of Record, and District's Construction Manager.
- **Within thirty (30) days** of completion of the abatement work, Consultant shall provide District documentation detailing abatement work completed, results of monitoring and contractor observations, results of clearance sampling, copies of waste manifests for the disposal of hazardous and non-hazardous waste for the Project site, site inspection reports (daily field reports) of abatement activities and summary of abatement activities, abatement activity personnel, and certification that the abatement activities complied with all applicable Health and Safety laws, guidelines, and requirements of Cal/OSHA Title 8, California Department of Education (CDE), Department of Toxic Substances Control (DTSC), and the California Division of the State Architect (DSA)
- Assume one construction Hazmat Closeout Report per phase of construction. Hazmat Closeout Report Minimum Requirements: On all pages of the report, the address of the site and name of the proposed school shall be listed. CLOSEOUT REPORT SHALL BE PROVIDED 4 WEEKS AFTER PROJECT COMPLETION OR SOONER. **The title of the report shall include the phase of construction and the buildings/structures involved during abatement.** The table of contents shall include at a minimum the following information, with a note clarifying items that are not applicable and justification:
 - Section/Title/Page
 - Acronyms
 - Definitions

- Executive Summary
- Introduction Scope of Work
- Methodology
- Standards
- Discussion and Results
- Conclusions
- Appendix A – Abatement Specifications
- Appendix B – Agency Notification/Correspondence
- Appendix C - Daily Field Reports
 - Job Start Meeting Documents
 - Health and Safety discussion for the work scheduled that day
 - Abatement Activity Personnel
 - Inspector's Job Record
 - Personnel Log
 - Code of Conduct
 - Notice of Completion
 - Personnel Report
 - Work Activity
 - Survey of Conditions
- Appendix D – Worker's Documentation
 - Sign in Sheets and Personnel Log
 - Personnel Air Sampling Results
 - Laboratory Results
 - Air Monitoring Data Sheets
 - Employee or Worker Certificates
 - Training Certificates
 - Medical Certificates
 - Respiratory Fit Tests
- Appendix E – Perimeter Air Sampling Data Sheets and Laboratory Results
- Appendix F – Clearance Air and Wipe Sampling Data Sheets as appropriate, Laboratory Results, Clearance Forms, and Minor and Major Abatement Forms with required attached documentation
- Appendix G – Accreditation for Laboratory and Personnel
- Appendix H – Waste Manifests for RCRA, non-RCRA, and non-hazardous shipments
- Appendix I – Photo-log
- Appendix J – Licenses, Certifications, and Registration
 - California State Contractor License
 - Cal/EPA Notification & Hazardous Waste Generator Identification
 - Cal/OSHA Certificate of Registration, where applicable
 - Cal/EPA Hazardous Waste Transporter License
 - CHP Hazardous Material Transportation License
 - Insurance Certificate
 - Accreditation Certificate
 - Other related certificate or registration or additional project specific requested information
- ***Provide all closeout documentation within 30 days of construction phase completion***, as required by State and/or Federal regulation, as required by the District, and other closeout activities with the outcome of the closeout activities being the approval of the remediation efforts by all Government Agencies having jurisdiction over the project. Consultant shall ensure that key personnel are Certified Lead Inspectors and Assessors and Project Monitors by the California Department of Public Health and Certified Asbestos Consultants by the California Division of Occupational Safety and Health. All work related to conditions that may be encountered outside of lead and asbestos shall be reviewed by a Certified Industrial Hygienist (CIH)