LEDESMA & MEYER CONSTRUCTION COMPANY INC.
9441 Haven Avenue, Rancho Cucamonga, CA 91730-5435 Tel: (909) 476-0590 Fax: (909) 476-0592 License: #735139

ADDENDUM NO. 1

TO: All Registered Bidders

DATE: April 19, 2023

PROJECT: Little Lake City School District
2023 Paving at Multiple Sites

CONTACT: Jaime Velasquez, Ledesma & Meyer Construction Co., Inc.

This Addendum forms as part of the Contract Documents for the Project described above and shall supersede referenced sections of the original Bidding Documents. This Addendum is an integral part of said Bidding Documents and shall be acknowledged in the Contractor's Bid Proposal form. Failure to acknowledge receipt of this Addendum in the Bid may cause the Bid to be rejected.

This addendum is divided into six (6) parts: Instructions and Procedures, Project Manual, Project Specifications, Drawings, Other Documents, and Pre-Bid Questions.

I. INSTRUCTIONS AND PROCEDURES

1. The following changes, omissions and/or additions to the Bid Specification shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

2. Careful note of the Addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations and estimates, and all trades affected shall be fully advised in the performance of the work which will be required of them.

3. In case of conflict between the Drawings, Specifications, and this Addendum, this Addendum shall govern.

II. PROJECT MANUAL

1. Document 00 00 20 – Notice Inviting Bids, ***Revise the following***:

   - Bid Deadline has been rescheduled from April 25, 2023 at 2:00 PM to **May 2, 2023 at 2:00 PM**

2. Document 00 03 00 – Bid Form: Remove and replace in its entirety (4 pages) labeled Addendum No. 1.

3. Document 00 06 62 – Contractor's Certificate Regarding Drug-Free Workplace: Add in its entirety (1 page) labeled Addendum No. 1.

4. Document 00 06 67 – Certificate Regarding Alcoholic Beverage and Tobacco-Free Campus Policy: Add in its entirety (1 page) labeled Addendum No. 1.

5. Document 01 01 10 – Work Scope Special Conditions: Add in its entirety (6 pages) labeled Addendum No. 1.

6. Document 01 21 00 – Allowance Section 31.1.1: Remove and response with the following cash allowances:

   Total Allowance for Paving at Multiple Sites: **$175,000.00**
   Breakdown per site as follows:
   $50,000.00 for Lake Center MS
   $50,000.00 for Lakeland ES
   $15,000.00 for William Orr ES
   $50,000.00 for Lakeside MS
   $10,000.00 for Studebaker ES

7. Document 01 21 00 – Allowance Section 3.1.2: Remove and replace with the following:

   The Category Contractor and any Subcontractor shall be permitted to charge overhead and profit as per Supplemental General Conditions 00 80 00, Article 7.7.1. If any allowance amount (in whole or in part) is unused at any given point during the project, the Category Contractor shall credit back the full or unused portion of the allowance amount stipulated.

8. Document 01 31 00 – Schedule: Add in its entirety (2 pages) labeled Addendum No. 1.

III. PROJECT SPECIFICATIONS

No changes.

IV. DRAWINGS

STUDEBAKER ELEMENTARY SCHOOL

1. Drawing AS1.1: Remove and replace in its entirety (1 sheet) labeled Addendum No. 1.
   - Detail AS1.1 / Reference Notes: Language revisions to the parking lot square footage.

V. OTHER DOCUMENTS

1. See attached Limited Asbestos Inspection Report (18 pages) for William Orr Elementary School from Executive Environmental, dated April 28, 2022.

2. See attached Limited Lead-Based Paint Inspection Report (18 pages) for William Orr Elementary School from Executive Environmental, dated April 28, 2021.

3. See attached Limited Asbestos Inspection Report (18 pages) for Lakeland Elementary School from Executive Environmental, dated April 28, 2022.

4. See attached Limited Lead-Based Paint Inspection Report (18 pages) for Lakeland Elementary School from Executive Environmental, dated April 28, 2021.

5. See attached Limited Asbestos Inspection Report (30 pages) for Studebaker Elementary School from Executive Environmental, dated April 29, 2022.

6. See attached Limited Lead-Based Paint Inspection Report (19 pages) for Studebaker Elementary School from Executive Environmental, dated April 29, 2021.

VI. PRE-BID QUESTIONS

None submitted.

END OF ADDENDUM

DOCUMENT 00 03 00

BID FORM

TO: **LITTLE LAKE CITY SCHOOL DISTRICT**, acting by and through its Governing Board, herein called "District".

FROM: _____
(Proper Name of Bidder)

Dept. of Industrial Relations Public Works Contractor Registration #_____

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated, the contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all utility and transportation services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with the following:

   Bid Category (s) _____ for the construction of the project known as **2023 PAVING AT MULTIPLE SITES** in District described above, all in strict conformance with the drawings and other contract documents on file at the Business Office of said District for amounts set forth herein.

2. ADDENDA
   The undersigned has thoroughly examined any and all Addenda (if any) issued during the bid period and is thoroughly familiar with all contents thereof and acknowledges receipt of the following Addenda: (Bidder to list all addenda).

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

3. BASE BID (Numerical)
   (Not to include cost for Allowance) $_____

   ALLOWANCE (Numerical)
   (See Spec Section 01 20 10) $_____

   TOTAL BASE BID & ALLOWANCE (Numerical) $_____

   TOTAL BASE BID & ALLOWANCE (in Words) _____

   _____DOLLARS

4. ALTERNATE BIDS
   The following amounts shall be added to or deducted from the Base Bid at the District's option. Alternates are fully described in Section 01 01 90 – Contract Considerations.

Alternate No. 1 = (add) (deduct) $_____

Alternate No. 2 = (add) (deduct) $_____

5. TIME FOR COMPLETION: The aggregate sum total work of all individual prime contractors to the District comprises the entire "Project" and shall be commenced and completed in conformance with the Project Construction Schedule. The entire Project shall be completed within **109 consecutive calendar days with Substantial Completion being completed within 71 consecutive calendar days**. Bidder acknowledges liability for liquidated damages in the amount stipulated in the Agreement, and not as a penalty, for each calendar day of the delay for which Contractor has contributed to or caused until the complete project is completed and accepted.

6. It is understood that the District reserves the right to reject this bid and that the Bid shall remain open to acceptance and is irrevocable for a period of **NINETY (90)** days.

7. The following documents are attached hereto:
   i. Document 00 03 01 Bidder Questionnaire
      IMPORTANT NOTICE: This project is subject to DIR Public Works Funding Legislation - SB 854. To bid on this Project, the Prime Bidder and all of Prime Bidder's Subcontractors are required to be registered online as a "public works contractor" with the California Department of Industrial Relations at www.dir.ca.gov and each shall pay an annual non-refundable fee via credit card.
   ii. Document 00 03 01-1 DIR Registration Verification
   iii. Document 00 03 01-2 Acknowledgement of Bidding Practices Regarding Indemnity
   iv. Document 00 04 10 Bid Bond
   v. Document 00 04 30 Designation of Subcontractors. Bidder understands and acknowledges that all subcontractors providing goods and services in excess of $100,000.00 must be bonded.
   vi. Document 00 04 80 Non-collusion Declaration
   vii. Document 00 04 90 Certification – Participation of Disabled Veteran Business Enterprises

8. Site Visit Certification:
   By submission of this bid, the Bidder hereby certifies that it's estimating, and management staff has visited the site of the proposed work and is fully acquainted with the conditions relating to construction and labor. Bidder fully understands the facilities, difficulties, and restrictions attending the execution of the work under contract and has also relayed is this information to all listed subcontractors and suppliers. Bidder fully indemnifies **LITTLE LAKE CITY SCHOOL DISTRICT**, the Architect, the Construction Manager and all of their respective officers, agents, employees, and consultants from any damage, or omissions, related to conditions that could have been identified during a visit to the site.

9. The Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while fully cooperating and complying with all of the applicable provisions of the District's labor compliance program. The undersigned Bidder hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.

10. Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claims" and "knowingly" are defined in the California False Claims Act, CA Gov. Code,

§2650 et. Seq.), the District will be entitled to civil remedies set forth in the California False Claims Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.

11. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a contract in the form attached hereto in accordance with the bid as accepted, and that he will also furnish and deliver to the District **THREE (3)** executed copies of the Performance Bond and Payment Bond as specified, all within **FIVE (5)** days after receipt of Notice Of Award letter, and that the work under the contract shall be commenced by the undersigned bidder, if awarded the contract, on the date to be stated in the District's "Notice To Proceed", and shall be completed by the Contractor in the time specified in the contract documents.

12. Notice of Award letter or other correspondence should be addressed to the undersigned at the address stated below.

13. The names of all persons interested in the foregoing proposal as principals are as follows:

_____

_____

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.)

14. The undersigned bidder declares that he or she is licensed in accordance with the act providing for registration of contractors and the documentation of licensure is as follows:

	License #	Classification	Expiration Date
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

If the bidder is a joint venture, <u>each</u> member of the joint venture must include the above information.

The undersigned certifies (or declares) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

15. In the event the bidder to whom Notice of Award is given fails or refuses to post the required bonds and return executed copies of the agreement form within **FIVE (5)** calendar days from the date of receiving the Notice of Award, the District may declare the Bidder's bid deposit or bond forfeited as damages.

16. Pursuant to Section 4552 of the Government code, in submitting a bid to the District, the bidder offers and agrees that if the bid is accepted, it will assign to District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.

17. Bidder hereby automatically certifies, by submission of this bid form, that Bidder is fully knowledgeable of and in full compliance with California Public Contract Code Sections 2201-2208 (AKA: Iran Contracting Act) by either Option #1 "Certification" or Option #2 "Exemption".

NAME _____

ADDRESS _____

NAME _____

ADDRESS _____

DATE: _____

_____
PROPER NAME OF BIDDER

BY: _____
SIGNATURE OF BIDDER

BY: _____
SIGNATURE OF BIDDER

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

Street Address: _____

City, State, Zip Code: _____

Mailing Address: _____

City, State, Zip Code: _____

Telephone: FAX: _____

END OF DOCUMENT

DOCUMENT 00 06 62

CONTRACTOR'S CERTIFICATE REGARDING DRUG-FREE WORKPLACE

This Drug-Free Workplace Certification form is required from all successful bidders pursuant to the requirements mandated by Government Code Section 8350 et seq., the Drug-Free Workplace Act of 1990. The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for the procurement of any property or service from any State agency must certify that it will provide a drug-free workplace by doing certain specified acts. In addition, the Act provides that each contract or grant awarded by a State agency may be subject to suspension of payments or termination of the contract or grant, and the contractor or grantee may be subject to debarment from future contracting, if the contracting agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State agency shall certify that it will provide a drug-free workplace by doing all of the following:

a) publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the person's or organization's workplace and specifying actions which will be taken against employees for violations of the prohibition;

b) establishing a drug-free awareness program to inform employees about all of the following:
   1) the dangers of drug abuse in the workplace;
   2) the person's or organization's policy of maintaining a drug-free workplace;
   3) the availability of drug counseling, rehabilitation and employee-assistance programs;
   4) the penalties that may be imposed upon employees for drug abuse violations;

c) requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision (a) and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of Government Code Section 8355 listed above and will publish a statement notifying employees concerning (a) the prohibition of controlled substance at the workplace, (b) establishing a drug-free awareness program, and requiring that each employee engaged in the performance of the contract be given a copy of the statement required by Section 8355 (a) and requiring that the employee agree to abide by the terms of that statement.

I also understand that if the DISTRICT determines that I have either (a) made a false certification herein, or (b) violated this certification by failing to carry out the requirements of Section 8355, that the contract awarded herein is subject to termination, suspension of payments, or both. I further understand that, should I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of Section 8350 et seq.

I acknowledge that I am aware of the provisions of Government Code Section 8350 et seq. and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Date: _____

Proper Name of Contractor: _____

Signature of Authorized Person: _____

Print Name: _____

Title: _____

END OF DOCUMENT

DOCUMENT 00 06 67

CERTIFICATE REGARDING ALCOHOLIC BEVERAGE AND TOBACCO-FREE CAMPUS POLICY

The Trade Contractor agrees that it will abide by and implement the District's Alcoholic Beverage and Tobacco-Free Campus Policy prohibits the use of alcoholic beverages, vaping and tobacco products, of any kind and at any time, on District-owned or leased buildings, on District property and in District vehicles.

I acknowledge that I am aware of the District's policy regarding alcoholic beverages, vaping and tobacco-free environments at District sites, including the Project site and hereby certify that I will adhere to the requirements of that policy and not permit any of my firm's employees, agents, subcontractors, or my firm's subcontractors' employees or agents to use tobacco and/or smoke on the Project site.

DATE:_____

_____
Trade Contractor

By:_____
Signature

END OF DOCUMENT

LITTLE LAKE CITY SCHOOL DISTRICT - 2023 PAVING AT MULTIPLE SITES

WORK SCOPE SPECIAL CONDITIONS

CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
1	LMCCI has implemented Trimble Project Sight as the mandatory project documentation and processing program. Each awarded Category Contractor will be required to sign up for the free account in order to use the program to view documents through links forwarded by LMCCI, input Dailies, RFI's, etc. The program is free of charge and required for use on this project. Upon award of the contract an email will be sent to appropriate company contacts with a link to follow to join and create your account.	yes
2	Category Contractor shall not interfere with the normal, regular, or existing school hours and or school activities.	yes
3	Provide all project submittals no later than ten (10) calendar days after receipt of Notice of Award regardless of what any other particular specification may otherwise indicate. Category Contractor will need to provide at minimum (1) electronic PDF copy of each submittal submitted.	
4	This Category Contractor shall provide and install a 6' high temporary fence on stands with green wind screen around the areas receiving site work prior to the start of construction. Continuously maintain temporary fencing for the duration of the project along with removal of fencing as directed by the Construction Manager. All costs associated with the installation, maintenance, monthly rental and removals (whether it be partial removals or entire removals) shall be included within your base bid.	yes
5	Properly protect existing improvements scheduled to remain when performing work within this category.	yes
6	Properly & completely coordinate all work through the Construction Manager to ensure that all work is properly and efficiently installed per the construction documents.	yes
7	All daily reports shall be turned into the Construction Manager on a daily basis.	yes
8	All deliveries, materials or equipment being moved between construction areas/sites, shall be coordinated and approved by the Construction Manager prior to commencement.	yes
9	This Category Contractor shall include all site visits as requested by the Construction Manager with the purpose of coordinating.	yes
10	Utilize suitable equipment for traversing the site, hauling or relocating of materials, and/or erection of items within this trade regardless of soils conditions or grades at no additional cost or delay to the schedule.	yes

CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
11	This Category Contractor shall be responsible for export of any spoils produced within their work scope. This shall include all labor, machinery, equipment, trucking, fees and clean up. This shall be in this Category Contractors base bid.	yes
12	This Category Contractor shall be responsible for export and proper disposal of any asphalt with felt within the demolition lines of the Contract Documents. This shall include ALL demo, export, machinery, labors and any fees associated with disposal.	yes
13	This Category Contractor shall be responsible for all labor and equipment to demo, legally dispose and export (*if need be*) approx.: 2000' sqft of existing paving at each of the five sites called for in the construction documents. This Category Contractor shall also be responsible for approx. 2,000' sqft of rough grading, new 4" base, new 4" ac paving and stripping as directed by the Construction Manager and or District. This shall also be applicable for each of the five sites within the construction documents.	yes
14	This Category Contractor shall be responsible for new parking lot and pavement markings/striping to match existing or as directed by the Construction Manager and or District.	yes
15	This Category Contractor shall be responsible for careful removal and re-installation of any existing vehicle signage at all site locations. All cost for labor, equipment and material needed for removal and re-installation shall be a part of this category Contractors base bid.	yes
16	Contractors within this category shall pay and maintain cell phone numbers for their project foreman throughout the duration of this project.	yes
17	Provide all job verification and field measuring as needed and/or required to ensure that the work is coordinated and properly installed.	yes
18	Repair any and all finishes damaged as a result of the execution for this work in this Category Contractors responsibility.	yes
19	Provide daily site clean up to insure a clean, safe & accessible work environment. This applies to all sites within the project documents.	yes
20	Contractor to provide a minimum of two (2) 55 gallon trash cans with liners to properly dispose of waste, trash, lunch trash and debris. This shall also include procurement of all hauling permits and/or dump fees which may be required daily. This applies equally to any/all subcontractors employed by the Prime Contractor daily.	yes

CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
21	Category Contractor shall provide protection/prevention of wind damage to incomplete work or on-site stored materials.	yes
22	The protection against and prevention of heat damage to incomplete work or on-site stored materials is the responsibility of this Category Contractor.	yes
23	Work scheduled shall consist of a (6) day (48) hour work week during the Summer 2023 and District holiday weekends. Construction work hours shall be between the hours of 7:00 AM and 4:00 PM (no access will be allowed on site before or after work hours) and shall constitute as a work day at the applicable prevailing wage rate(s). All weekends, holidays or irregular hours worked must be supervised by the Construction Manager and be in compliance with local ordinances. This Category Contractor shall be responsible for any costs incurred for District's supervision, repairs, tests and inspections (if required) if This Category Contractor's actions cause damages requiring District's remediation. The District nor the Construction Manager will be held responsible for these violations.	yes
24	This Category Contractor shall demo, prep and patch Asphalt/Concrete as shown within the Construction Documents and per Industry Standards.	yes
25	At no time will any contractor or sub contractor's drive or park on any concrete flatwork without the consent of the Construction Manager. It will be the contractor's responsibility to keep his employees, subcontractors, suppliers and company vehicles off said concrete. Any damages, tire marks or cracking found at anytime after the violation of this rule, will be full responsibility of this Category Contractor.	yes
26	Parking areas shall be designated by the Construction Manager.	yes
27	The Construction Manager will review and approve the placement of all temporary storage containers, trailers and stored materials.	yes
28	It shall be established that any materials delivered "Freight on Board" (FOB) shall be unloaded by the Category Contractor that is receiving these items, any discrepancy in quantities or any damage to any items must be acknowledged at the time of delivery. Any discrepancy in quantity or damage that goes unreported shall be the responsibility of the receiving Category Contractor to replace and/or repair.	yes

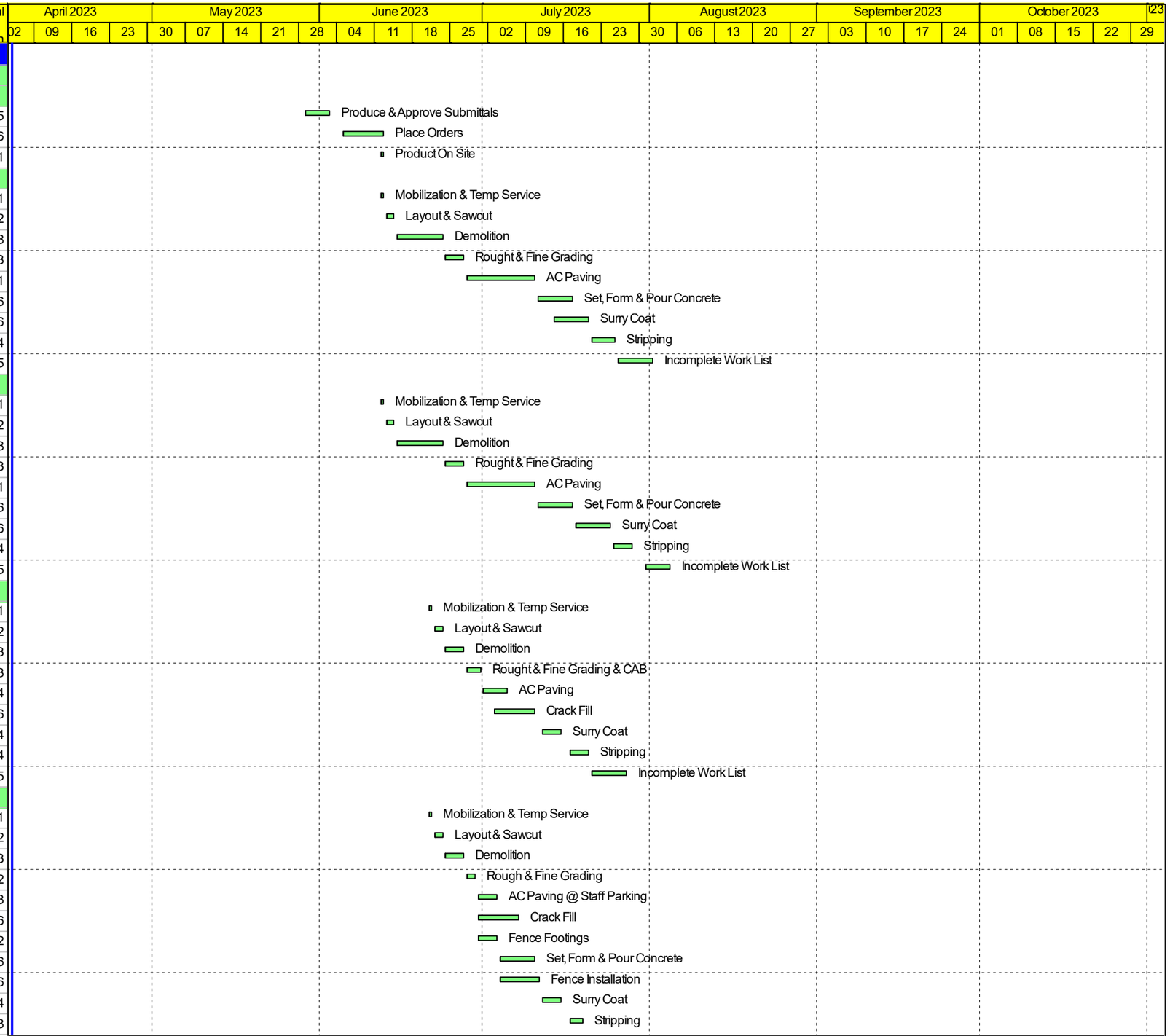
CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
29	Provide all barricades, warning lights and signs & safety measures etc. required for the execution of the work within this Category. Provide all parking lot closures 48 hours in advanced to the Construction Manager.	yes
30	Provide adequate and proper fugitive dust control during all operations within this contract as required be applicable codes and/or ordinances. Comply with the South Coast Air Quality Management District (SCAQMD) for the Santa Fe Springs Western Region area. This includes but is not limited to Machinery, vehicular or foot traffic.	yes
31	All Contractors shall be familiar and comply with the South Coast Air Quality Management District (SCAQMD) standards for the Santa Fe Springs Western Region for the duration of the project.	yes
32	ALL references to "Architect" throughout the Project Manual and or Construction Documents shall be replaced with "Construction Manager".	yes
33	Provide all demo of the existing assemblies indicated to be demolished as per the Construction Documents.	yes
34	Provide and maintain all temporary chemical toilets and temporary had wash stations for the duration of the project. A minimum of 2 toilets and 1 hand wash station for each of the sites shall be provided and may be adjusted based upon the quantity of manpower present on the jobsite and or as directed by the Construction Manager. Provide twice a week cleaning. Coordinate locations of temp toilets and hand wash stations with the Construction Manager.	yes
35	This Category Contractor shall verify and keep all existing systems fully operational as they execute the scope of work within this contract.	yes
36	This Category Contactor, when pouring concrete/asphalt, shall be responsible for the protection of all Building walls, finishes, finish products, grates, manholes and cleanout covers. Any concrete or residue from protective tape shall be completely removed by this Category Contractor.	yes
37	This Category Contractor shall repair any adjacent grades and/or finishes damaged as a result of the execution of this Category Contractor scope of work.	yes
38	Provide all Best Management Practices (BMP's) as required to meet all requirements for the Regional Storm Water Pollution Prevention and local governing jurisdiction, included but not limited to concrete wash out containers, drain inlet protection, erosion control, etc.	yes

CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
39	Saw cut existing concrete & paving to provide a smooth edge for patching and/or adjoining new work to existing improvements as required for work to be performed by this Category Contractor.	yes
40	Protect all existing wheel stops, traffic, direction signage, truncated domes etc. that impedes any of this new work within the project documents.	yes
41	This Category Contractor is the project General Contractor and shall be solely responsible for ALL work as required for the complete project as specified within the Drawings, Specifications and Addenda's.	yes
42	If required, carefully remove and reinstall any chain link, ornamental iron and/or temporary fencing encountered while installing work and/or obtaining access to the work area in this category to the satisfaction of the Construction Manager. Fencing shall be repaired, relocated, and replaced on a daily basis to ensure continual site security and safety.	yes
43	It shall be responsibility of this Category Contractor to use NYCON -PVA RSC15 concrete reinforcement in lieu of rebar or mesh at a rate of 3 lbs. per cubic yard where new concrete shall be poured.	yes
44	It shall be the responsibility of this Category Contractor to apply seal coat onto all new asphalt paving as per the drawings, specifications and related Construction Documents.	yes
45	It shall be responsibility of this Category Contractor to grind any areas where new and existing work do not provide a smooth transition. All new and existing asphalt shall be pressure washed and thoroughly cleaned prior to striping and or sealing.	yes
46	Its shall be responsibility of this Category Contractor to fully install epoxy dowels at concrete areas where new work meets existing and or as needed to satisfy codes.	yes
47	It shall be responsibility of this Category Contractor to be sure that all sub grades prior to pours meet or exceed the noted 90% compaction UNO within the project documents.	yes
48	This Category Contractor shall be responsible for an additional 1,000' sqft of existing asphalt demo at each of the five (5) sites. This shall also include installation of 1,000 sqft of new 2500 psi concrete at each of the five (5) sites as directed by the Construction Manager. This shall include all permits, disposal fees, machinery, materials and labor.	yes

CONTRACTOR CATEGORY NUMBER		
ITEM:	**DESCRIPTION:**	**2**
49	This Category Contractor shall be responsible for all new parking lot curb markings / painting, striping, bus drop off letters, traffic arrows, lane dividers and no parking floor markings. This shall be upon direction from the Construction Manager.	yes
50	This Category Contractor shall be responsible for approx.. 300' lnft of 6" SDR storm drain piping at Lakeland ES. All trenching, machinery, labor couplers, testing and proper fall grade shall be responsibility of this Category Contractor.	yes
51	This Category Contractor shall be responsible for a minimum of two (2) coats of slurry seal over ALL new AC Paving. All cost associated with this will be full responsibility of this Category Contractor.	yes
52	This Category Contractor shall be responsible for proper slopes to avoid ponding at areas receiving new work.	yes
53	This Category Contractor shall be responsible for full disposal of any asphalt found with petromat and or any fabric found within. This shall include all fees, dump fees and any related cost.	yes

END OF SECTION

Activity ID	Activity Name	Start	Finish	riginal uration
2023 Paving at Multiple Sites				
General Project Information				
Material Procurement				
PMS2-00-00	Produce & Approve Submittals	29-May-23*	02-Jun-23	5
PMS2-00-1	Place Orders	05-Jun-23	12-Jun-23	6
PMS2-00-2	Product On Site	12-Jun-23	12-Jun-23	1
Lakeland ES				
SW-04-01	Mobilization & Temp Service	12-Jun-23*	12-Jun-23	1
SW-04-08	Layout & Sawcut	13-Jun-23	14-Jun-23	2
SW-04-13	Demolition	15-Jun-23	23-Jun-23	8
SW-04-10	Rought & Fine Grading	24-Jun-23	27-Jun-23	3
SW-04-15	AC Paving	28-Jun-23	10-Jul-23	11
SW-04-11	Set, Form & Pour Concrete	11-Jul-23	17-Jul-23	6
SW-04-12	Surry Coat	14-Jul-23	20-Jul-23	6
SW-04-14	Stripping	21-Jul-23	25-Jul-23	4
SW-04-24	Incomplete Work List	26-Jul-23	01-Aug-23	5
Lake Center MS				
LC-04-01	Mobilization & Temp Service	12-Jun-23*	12-Jun-23	1
LC-04-08	Layout & Sawcut	13-Jun-23	14-Jun-23	2
LC-04-13	Demolition	15-Jun-23	23-Jun-23	8
LC-04-10	Rought & Fine Grading	24-Jun-23	27-Jun-23	3
LC-04-15	AC Paving	28-Jun-23	10-Jul-23	11
LC-04-11	Set, Form & Pour Concrete	11-Jul-23	17-Jul-23	6
LC-04-12	Surry Coat	18-Jul-23	24-Jul-23	6
LC-04-14	Stripping	25-Jul-23	28-Jul-23	4
LC-04-24	Incomplete Work List	31-Jul-23	04-Aug-23	5
Wililam Orr ES				
WO-04-01	Mobilization & Temp Service	21-Jun-23*	21-Jun-23	1
WO-04-08	Layout & Sawcut	22-Jun-23	23-Jun-23	2
WO-04-13	Demolition	24-Jun-23	27-Jun-23	3
WO-04-10	Rought & Fine Grading & CAB	28-Jun-23	30-Jun-23	3
WO-04-15	AC Paving	01-Jul-23	05-Jul-23	4
WO-04-20	Crack Fill	03-Jul-23	10-Jul-23	6
WO-04-12	Surry Coat	12-Jul-23	15-Jul-23	4
WO-04-14	Stripping	17-Jul-23	20-Jul-23	4
WO-04-24	Incomplete Work List	21-Jul-23	27-Jul-23	5
Lakeside MS				
LS-04-01	Mobilization & Temp Service	21-Jun-23*	21-Jun-23	1
LS-04-08	Layout & Sawcut	22-Jun-23	23-Jun-23	2
LS-04-13	Demolition	24-Jun-23	27-Jun-23	3
LS-04-10	Rough & Fine Grading	28-Jun-23	29-Jun-23	2
LS-04-15	AC Paving @ Staff Parking	30-Jun-23	03-Jul-23	3
LS-04-20	Crack Fill	30-Jun-23	07-Jul-23	6
LS-04-30	Fence Footings	30-Jun-23	03-Jul-23	2
LS-04-11	Set, Form & Pour Concrete	04-Jul-23	10-Jul-23	6
LS-04-40	Fence Installation	04-Jul-23	11-Jul-23	6
LS-04-12	Surry Coat	12-Jul-23	15-Jul-23	4
LS-04-14	Stripping	17-Jul-23	19-Jul-23	3



LEDESMA & MEYER
CONSTRUCTION COMPANY INC.

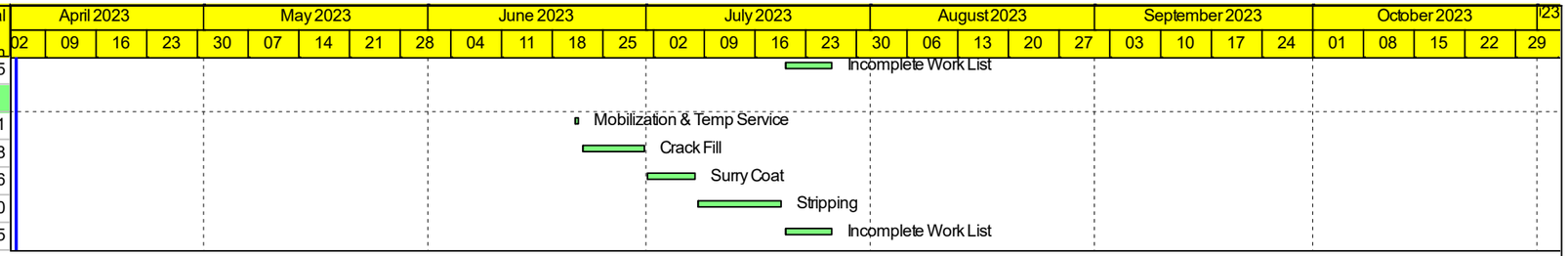
Second Baseline
Remaining Work
Actual Work
Critical Remaining Work
Milestone
% Complete

2023 Paving at Multiple Sites
Ledesma & Meyer Construction Co. Inc.

Document 01 31 00 - Schedule

Date	Revision	Checked	Approved
19-Apr-23	Addendum No. 1		

Activity ID	Activity Name	Start	Finish	riginal uration
LS-04-24	Incomplete Work List	20-Jul-23	26-Jul-23	5
Studebaker ES				
SE-04-01	Mobilization & Temp Service	21-Jun-23*	21-Jun-23	1
SE-04-08	Crack Fill	22-Jun-23	30-Jun-23	8
SE-04-12	Surry Coat	01-Jul-23	07-Jul-23	6
SE-04-14	Stripping	08-Jul-23	19-Jul-23	10
SE-04-24	Incomplete Work List	20-Jul-23	26-Jul-23	5



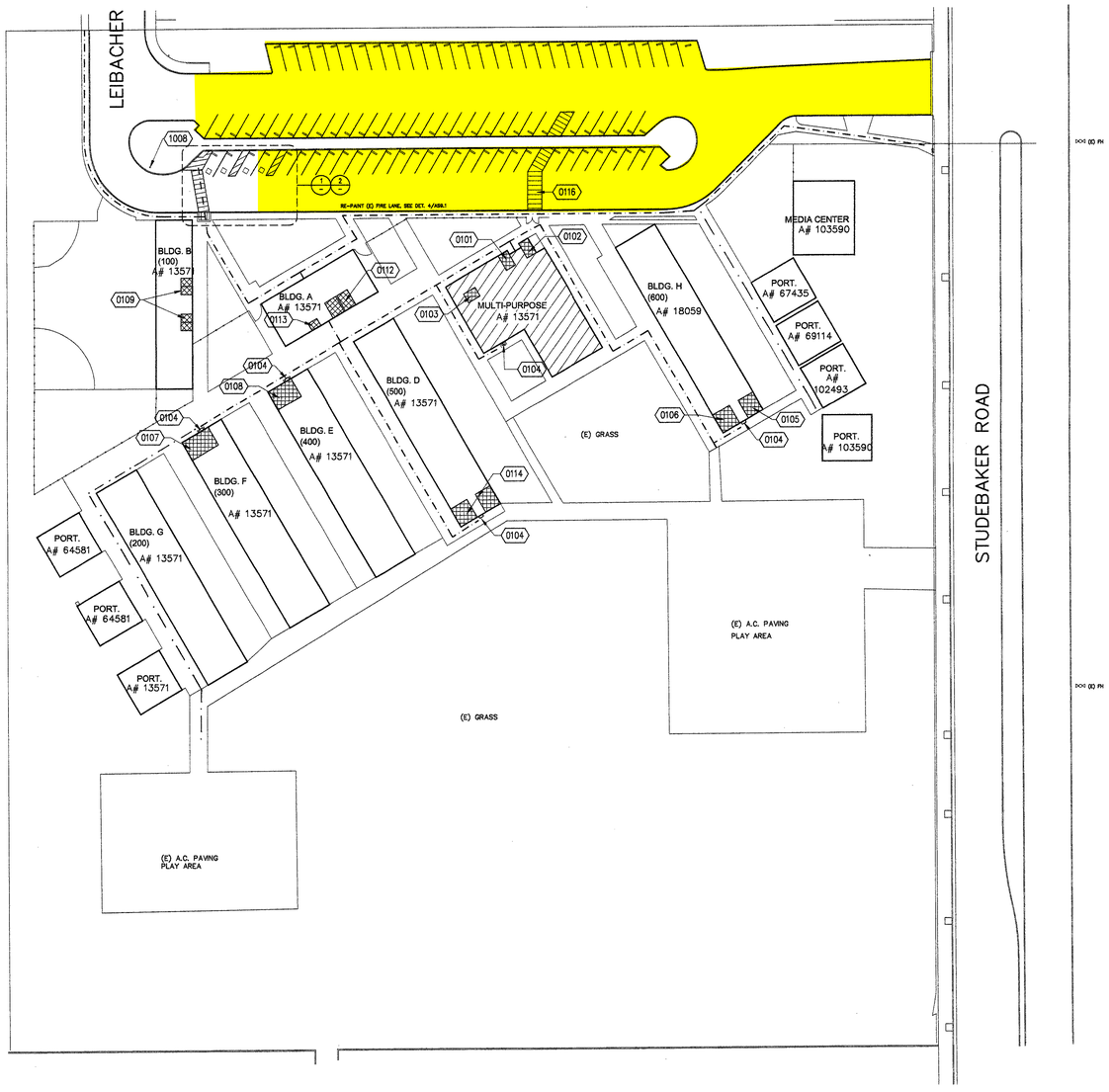
LEDESMA & MEYER
CONSTRUCTION COMPANY INC.

Second Baseline
Remaining Work
Actual Work
Critical Remaining Work
Milestone
% Complete

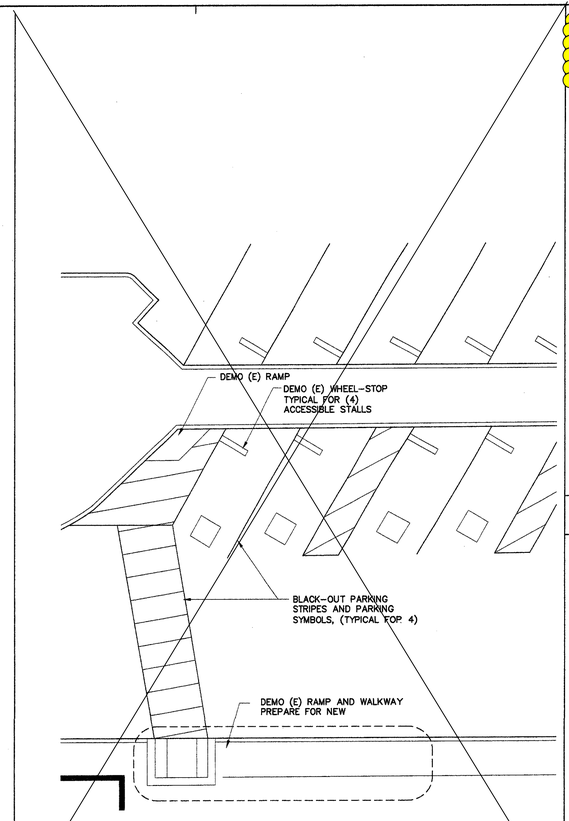
2023 Paving at Multiple Sites
Ledesma & Meyer Construction Co. Inc.
Page 2 of 2

Document 01 31 00 - Schedule

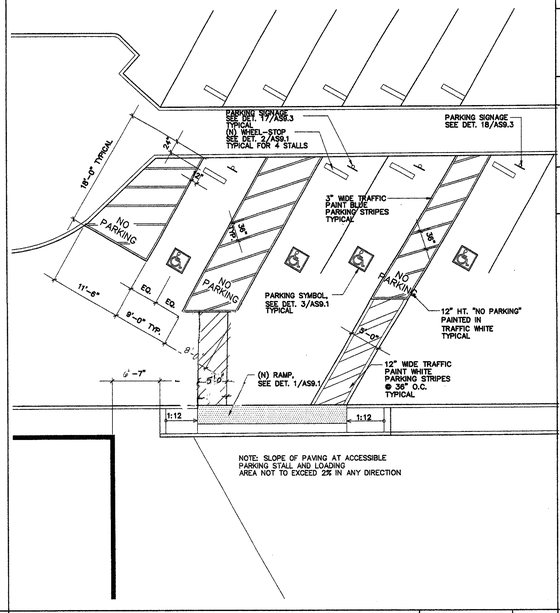
Date	Revision	Checked	Approved
19-Apr-23	Addendum No. 1		



OVERALL SITE PLAN | 1" = 40'-0" | 3



ENLARGED DEMO PARKING PLAN | 1/8"=1'-0" | 1



ENLARGED NEW PARKING PLAN | 1"=10'-0" | 2

1. (N) CRACK FILL / SEAL COAT APPROX. 40,000 SQFT (N) WHEEL STOPS AT ALL PARKNG STALLS AND (N) PARKING STALL STRIPING TO MATCH (E) PARKING STALL LAYOUT OR AS DIRECTED BY THE DISTRICT / CM

REFERENCE NOTES

RESTROOMS

SCOPE OF WORK

EXISTING FIRE HYDRANT

LEGEND

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:12 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. MAXIMUM CROSS-SLOPE 2% TYPICAL AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 5%, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.

PATH OF TRAVEL

TOTAL PARKING SPACES = 90	STALL TYPE			
	STANDARD	ACCESSIBLE		
		STANDARD	VAN	TOTAL
ACCESSIBLE PARKING SPACE REQ'D (2001 CBC TABLE 11B-6) = 4	86	3	1	90

PARKING TABULATION

2023 PAVING

STUDEBAKER ELEMENTARY SCHOOL

11800 HALCOURT AVE
NORWALK CA, 90650

1 ADDENDUM NO. 1

OVERALL SITE PLAN

DRAWING NUMBER : AS1.1

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

WILLIAM ORR ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
12130 JERSEY AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

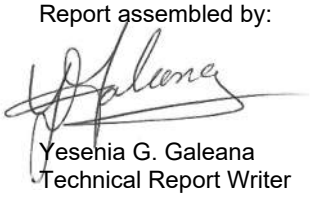
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

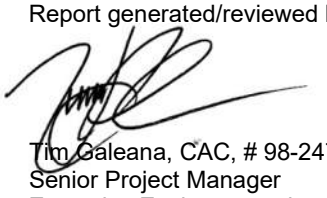
Project Number EE 22-Z0187-0043
April 28, 2022

Report assembled by:



Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CAC, # 98-2470
Senior Project Manager
Executive Environmental

TABLE OF CONTENTS

LIMITED ASBESTOS INSPECTION REPORT

Project Number:	EE 22-Z0187-0043
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	William Orr Elementary School Asphalt Paving Project 12130 Jersey Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 15, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Asbestos Consultant, # 09-4586
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Asbestos Consultant (Mr. Rhys Kuzmic, CAC No. 9-4586) to conduct a limited asbestos inspection of asphalt paving at William Orr Elementary School, located at 12130 South Jersey Avenue, Norwalk, California. Inspection was conducted as a percussor to Phase 1 of the asphalt impact project. Materials suspected of containing asbestos were sampled and analyzed for the presence of asbestos. No Asbestos-containing materials (ACM) were identified during this inspection. *This is considered to be a limited inspection. The inspection was limited to asphalt at selected areas, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of asphalt at selected areas of the campus was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building

materials were collected. The materials were categorized into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci, located at 24416 South Main Street, Suite 308, Carson, California 90745 (310-834-4868) analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

Note: Inaccessible, suspect asbestos materials may be located within sealed ceilings, walls, or floors; or within wall cavities, interstitials, shafts, etc. Suspect asbestos materials located in these areas must be sampled prior to any activities that might cause them to be disturbed.

III. SAMPLE ANALYSIS

Fourteen (14) suspect asbestos-containing samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as “No Asbestos Detected” (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered to be an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

William Orr Elementary School
12130 South Jersey Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[A]	Type[B]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
1	Asphalt paving	Area 1: Northeast Parking Lot, East Playground, Southeast around Portables 901 thru 904 and Library	50,000 Square Feet	G	Misc.	No	<1	2204150043RK-01	Northeast parking lot	NAD[C]
								2204150043RK-02	North at playground	NAD
								2204150043RK-03	Northeast at playground	NAD
								2204150043RK-04	West at playground	NAD
								2204150043RK-05	Center at playground	NAD
								2204150043RK-06	East at playground	NAD
								2204150043RK-07	South at playground	NAD
								2204150043RK-08	Southeast - west of play area	NAD
								2204150043RK-09	Southwest near portables	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

[A] G = Good; D = Damaged; SD = Severely Damaged
[B] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[C] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

William Orr Elementary School
12130 South Jersey Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[D]	Type[E]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
2	Asphalt paving	Area 2: 100 Building Playground	6,500 Square Feet	G	Misc.	No	<1	2204150043RK-10	South	NAD[F]
								2204150043RK-11	Southeast	NAD
								2204150043RK-12	West	NAD
								2204150043RK-13	East	NAD
								2204150043RK-14	North	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

The remainder of this page is blank.

[D] G = Good; D = Damaged; SD = Severely Damaged
[E] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[F] NAD – No Asbestos Detected

IV. FINDINGS

EE conducted a limited asbestos inspection of asphalt at selected areas at William Orr Elementary School, located at 12130 South Jersey Avenue, Norwalk, California.

Two (2) homogeneous material groups were identified during the visual property inspection. Fourteen (14) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, California for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the sampled materials do not contain asbestos.

V. CONCLUSIONS/RECOMMENDATIONS

No asbestos-containing materials were identified during this inspection. Activities involving the inspected materials may proceed as normal construction actions. If suspect asbestos materials that were not sampled are to be disturbed, additional sampling will be required.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio
Fax #:

From: Dennis Liu
AmeriSci Job #: 922041368
Subject: PLM 5 day Results
Client Project: 22-Z0187-0043; Campus

Email: info@execenv.com, ygaleana@execenv.com

Date: Monday, April 25, 2022
Time: 17:37:00
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 04/18/22
Date Examined 04/23/22

RE: 22-Z0187-0043; Campus

AmeriSci Job # 922041368
P.O. #
Page 1 **of** 3

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150043RK-01	922041368-01	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NE Parking Lot / Asphalt Paving / Area 1 (NE Parking Lot, East Playground, SE Around Portables 901-904 And Library)			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-02	922041368-02	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, North At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-03	922041368-03	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NE At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-04	922041368-04	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, West At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-05	922041368-05	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, Center At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0043; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150043RK-06	922041368-06	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, East At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-07	922041368-07	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, South At Playground / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-08	922041368-08	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, SE-West Of Play Area / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-09	922041368-09	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, SW Near Portables / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-10	922041368-10	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, South / Asphalt Paving / Area 2 (Building 100 Playground)			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-11	922041368-11	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, SE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0043; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150043RK-12	922041368-12	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, West / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-13	922041368-13	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, East / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150043RK-14	922041368-14	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, North / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

Reporting Notes:

Analyzed by: Dennis Liu
Date: 4/23/2022

Reviewed by: Lateef McIntosh

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

9220413868

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0043

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/15/2022

Building Name: Campus

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204150043RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-01	Area 1, NE Parking Lot	Asphalt paving	Area 1 (NE parking lot, east playground, SE around	1	50,000 SF	<1
-02	Area 1, north at playground	↓	Portables 901-904 and Library)	↓	↓	↓
-03	Area 1, NE at playground	↓	↓	↓	↓	↓
-04	Area 1, west at playground	↓	↓	↓	↓	↓
-05	Area 1, center at playground	↓	↓	↓	↓	↓
-06	Area 1, east at playground	↓	↓	↓	↓	↓
-07	Area 1, south at playground	↓	↓	↓	↓	↓

Notes:

Released By, Date, & Time:	Received By, Date, & Time:	Released By, Date, & Time:
RmX 04/15/2022 1:10PM (ESZ)	YYr 4/18/22e 8:00	

922041368

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0043

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/15/2022

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Building Name: Campus

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

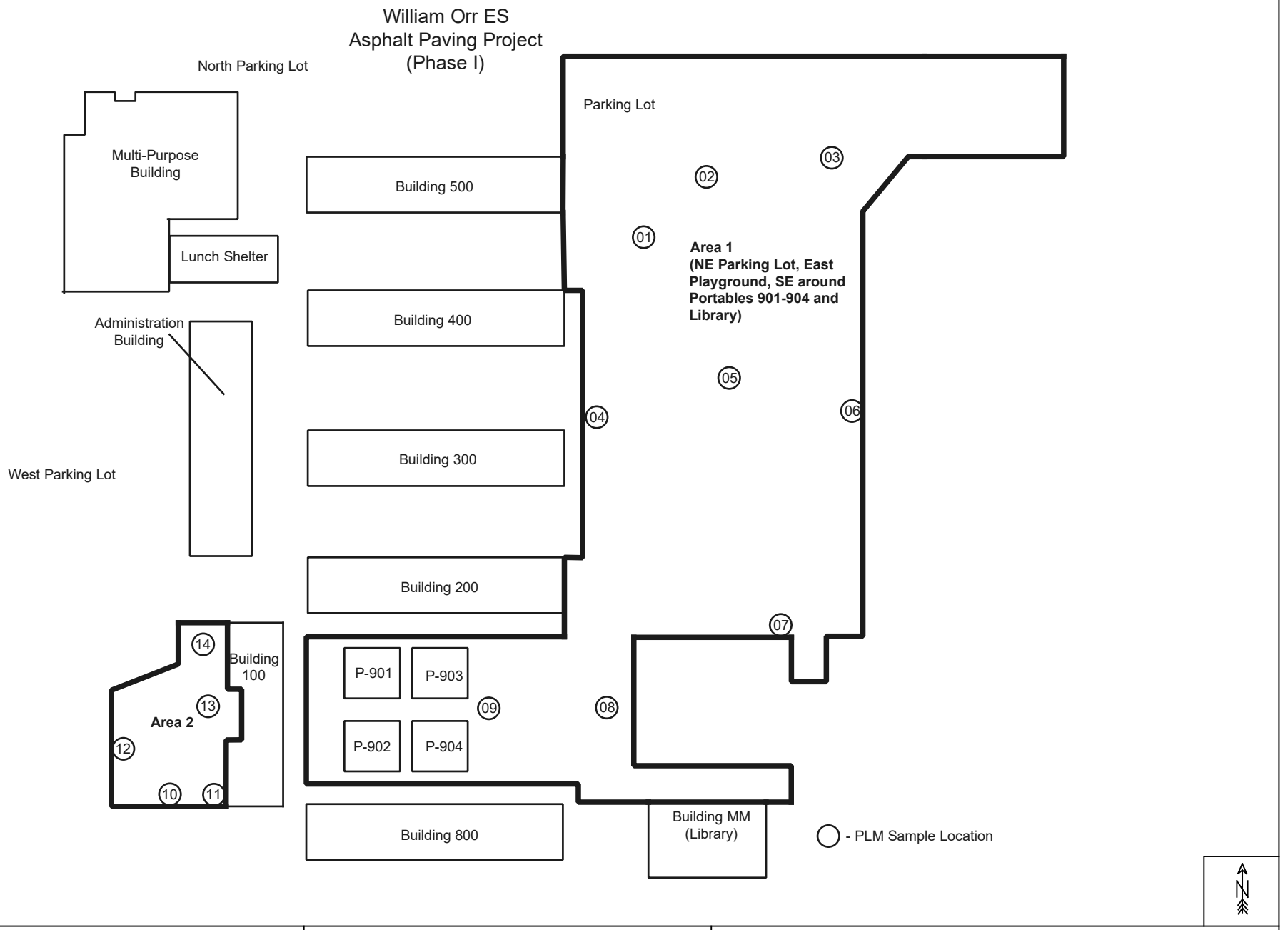
Prefix: 2204150043RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-08	Area 1, SE - west of play area	Asphalt paving (continued)		1 (cont.)		
-09	Area 1, SW near Portables	↓		↓	↓	↓
-10	Area 2, South	Asphalt paving	Area 2 (Building 100 playground)	2	6,500 SF	<1
-11	Area 2, SE					
-12	Area 2, West					
-13	Area 2, east					
-14	Area 2, North					

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
[signature] 04/15/2022 1:10PM (EC)	[signature] 4/18/22 8:00	

APPENDIX B – SITE DRAWING



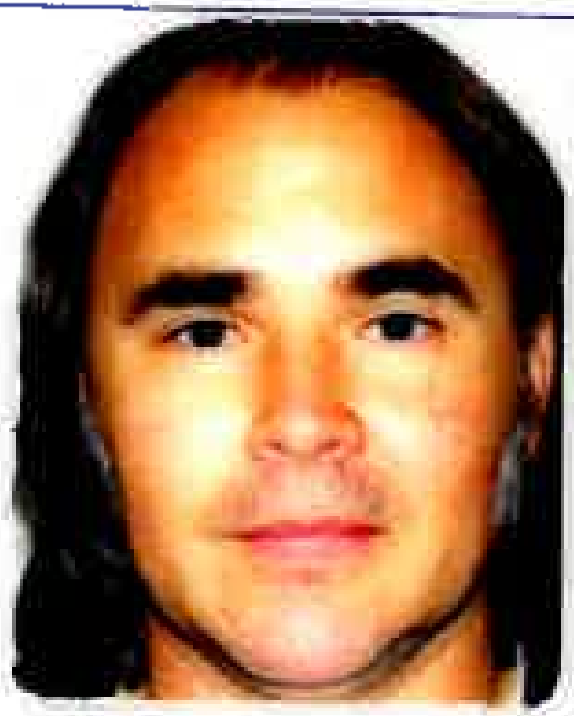
Client: Little Lake City SD	**Project #:** 22-Z0187-0043	**Info:** PLM Sample Locations
EXECUTIVE ENVIRONMENTAL **HEALTH & SAFETY SIMPLIFIED**		**Site:** William Orr ES **Address:** 12130 Jersey Avenue Norwalk, CA 90650

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant



Name **Rhys D Kuzmic**

Certification No. **09-4586**

Expires on **01/20/23**

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.

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

WILLIAM ORR ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
12130 JERSEY AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

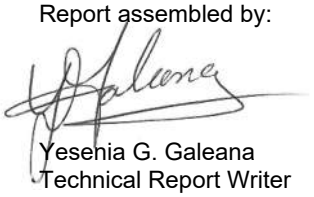
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

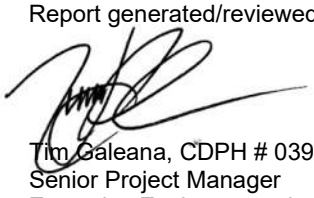
Project Number EE 22-Z0187-0043
April 28, 2021

Report assembled by:



Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CDPH # 0395/0394
Senior Project Manager
Executive Environmental

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LIMITED LEAD-BASED PAINT INSPECTION

Project Number:	EE 22-Z0187-0043
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	William Orr Elementary School Asphalt Paving Project 12130 Jersey Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 15, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Lead Professional, CDPH # 04395
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Lead Professional, CDPH # 0395/0394

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of asphalt paving at selected areas at William Orr Elementary School, located at 12130 Jersey Avenue, Norwalk, California 90650. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection**.** Inspection was conducted as a percussor to Phase 1 of the asphalt impact project. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on April 15, 2022. *This is considered a limited inspection. The inspection was limited to coated surfaces of asphalt paving at selected areas, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm2 (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm2 via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm2 action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of asphalt paving at selected areas of the campus was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the asphalt paving projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history, and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint and ceramic glaze within the range of 0 to 50 milligrams per centimeter squared (mg/cm^2). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Heuresis.

The following specifications apply to the Viken Detection XRF (formerly Heuresis):

- Ability to report Positive and Negative determination at 1.0mg lead/cm^2 with 2-sigma confidence with measurement time of 1-3 nominal seconds on mast lead paint samples.
- Detects lead at 0.1 mg/cm^2 with 2-sigma confidence with a measurement time of 1 second on most samples.
- Equipped with a ^{57}Co sealed source, 5mCi (185 MBq), radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local, state and federal standards, the following surfaces and/or components that were analyzed with the Viken Detection XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA
William Orr Elementary School
12130 Jersey Avenue
Norwalk, California 90650

Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm^2
Campus				
Area 1	Floor stripes (orange)	Asphalt	500 Linear Feet	1.2
Area 2 at center of Playground Circle	Geometrical shaped floor stipes (yellow)	Asphalt	36 Square Feet	1.6
Area 2 west side of Playground	Floor stripes (orange)	Asphalt	30 Linear Feet	1.3

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of asphalt paving at selected areas at William Orr Elementary School, located at 12130 Jersey Avenue, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Asphalt at locations identified as Areas 1 and 2 of the campus were tested via the Viken Detection XRF for the presence of lead.
- The surfaces listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces were observed to be in intact condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

It is recommended that all renovation, remodelling, construction, or demolition actions that might potentially disturb surfaces coated with lead-based paint be performed by properly trained and qualified personnel.

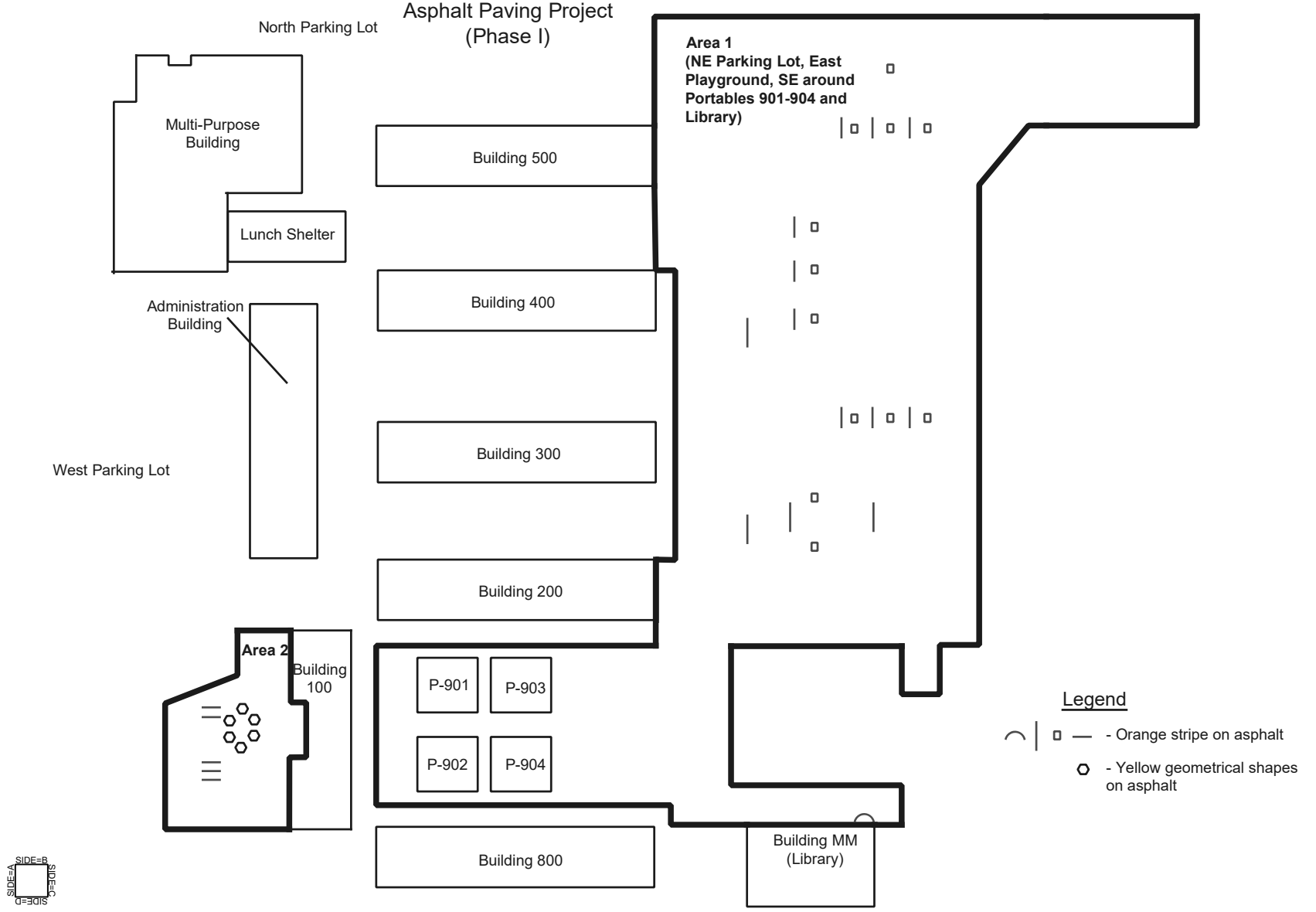
VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS

William Orr ES
Asphalt Paving Project
(Phase I)



Client: Little Lake City SD	**Project #:** 22-Z0187-0043	**Info:** Lead-Based Paint Identified
EXECUTIVE ENVIRONMENTAL **HEALTH & SAFETY SIMPLIFIED**		**Site:** William Orr ES **Address:** 12130 Jersey Avenue Norwalk, CA 90650

APPENDIX B – XRF SUMMARY RESULTS

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
1	4/15/2022					Calibrate			0.9	Positive
2	4/15/2022					Calibrate			1	Positive
3	4/15/2022					Calibrate			1	Positive
4	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
5	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
6	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
7	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
8	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
9	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
10	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
11	**4/15/2022**	**Campus**	**Area 1**	**Floor stripe**	**Asphalt**	**Lower**	**Intact**	**Orange**	**1.2**	**Positive**
12	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
13	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
14	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
15	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
16	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
17	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
18	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Blue	0.1	Negative
19	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Blue	0.5	Negative
20	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
21	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
22	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
23	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
24	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
25	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
26	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
27	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
28	**4/15/2022**	**Campus**	**Area 2 at center playground circle**	**Floor stripe**	**Asphalt**	**Lower**	**Intact**	**Yellow**	**1.6**	**Positive**
29	**4/15/2022**	**Campus**	**Area 2 west side of playground**	**Floor stripe**	**Asphalt**	**Lower**	**Intact**	**Orange**	**1.3**	**Positive**

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
30	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	Red	0.3	Negative
31	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	Red	0.1	Negative
32	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Red	0.6	Negative
33	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Blue	0.2	Negative
34	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Purple	0.2	Negative
35	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Yellow	0.3	Negative
36	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Orange	0.3	Negative
37	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	White	0.5	Negative
38	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Green	0.3	Negative
39	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Pink	0.3	Negative
40	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Blue	0.5	Negative
41	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Blue	0.3	Negative
42	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Purple	0.2	Negative
43	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Purple	0.4	Negative
44	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Black	0.2	Negative
45	4/15/2022	Campus	Area 1	Mural	Asphalt	Lower	Intact	Brown	0.4	Negative
46	4/15/2022					Calibrate			1	Positive
47	4/15/2022					Calibrate			1	Positive
48	4/15/2022					Calibrate			1	Positive

APPENDIX C – LEAD HAZARD EVALUATION REPORT

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

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 04/15/2022

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

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

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
12130 Jersey Avenue	Norwalk	Los Angeles	90650

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

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

Name	Telephone number
Little Lake City School District (Brent Griffen)	562-868-8241

Address [number, street, apartment (if applicable)]	City	State	Zip Code
10515 South Pioneer Blvd	Santa Fe Springs	CA	90670

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

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

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

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Rhys Kuzmic	626-441-7050

Address [number, street, apartment (if applicable)]	City	State	Zip Code
310 East Foothill Blvd. Suite 200	Arcadia	CA	91006

CDPH certification number	Signature	Date
18093/LRC-00004395		04/26/2022

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

Section 7 — Attachments

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

First copy and attachments retained by inspector

Second copy and attachments retained by owner

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

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

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2015**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
$\geq$ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

LAKELAND ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
11224 BOMBARDIER AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

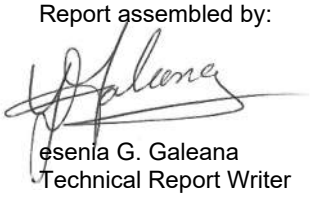
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

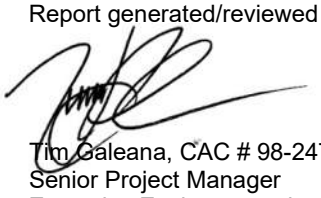
Project Number EE 22-Z0187-0044
April 28, 2022

Report assembled by:



Esenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CAC # 98-2470
Senior Project Manager
Executive Environmental

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LIMITED ASBESTOS INSPECTION REPORT

Project Number:	EE 22-Z0187-0044
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	Lakeland Elementary School Asphalt Paving Project 11224 Bombardier Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 15, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Asbestos Consultant, # 09-4586
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Asbestos Consultant (Mr. Rhys Kuzmic, CAC No. 9-4586) to conduct a limited asbestos inspection of asphalt paving at Lakeland Elementary School, located at 11224 Bombardier Avenue, Norwalk, California. Inspection was conducted as a percussor to Phase I of the asphalt impact project. Materials suspected of containing asbestos were sampled and analyzed for the presence of asbestos. No Asbestos-containing materials (ACM) were identified during this inspection. *This is considered to be a limited inspection. The inspection was limited to asphalt at selected areas, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of asphalt at selected areas of the campus was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building

materials were collected. The materials were categorized into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci, located at 24416 South Main Street, Suite 308, Carson, California 90745 (310-834-4868) analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

Note: Inaccessible, suspect asbestos materials may be located within sealed ceilings, walls, or floors; or within wall cavities, interstitials, shafts, etc. Suspect asbestos materials located in these areas must be sampled prior to any activities that might cause them to be disturbed.

III. SAMPLE ANALYSIS

Fourteen (14) suspect asbestos-containing samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as “No Asbestos Detected” (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered to be an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Lakeland Elementary School
11224 Bombardier Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[A]	Type[B]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
1	Asphalt paving	Area 1: Northwest Playground, North side of Buildings J and K	28,000 Square Feet	G	Misc.	No	<1	2204150044RK-01	Northwest	NAD[C]
								2204150044RK-02	Northeast	NAD
								2204150044RK-03	Northwest	NAD
								2204150044RK-04	Northeast	NAD
								2204150044RK-05	West	NAD
								2204150044RK-06	Center-east	NAD
								2204150044RK-07	Southeast	NAD
								2204150044RK-08	Southwest of Building J	NAD
								2204150044RK-09	Southeast-north of Building K	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

[A] G = Good; D = Damaged; SD = Severely Damaged
[B] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[C] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA
Lakeland Elementary School
11224 Bombardier Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[D]	Type[E]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
2	Asphalt paving	Area 2: Playground south of Building E	5,000 Square Feet	G	Misc.	No	<1	2204150044RK-10	Northwest	NAD[F]
								2204150044RK-11	North	NAD
								2204150044RK-12	Northeast	NAD
								2204150044RK-13	Southwest	NAD
								2204150044RK-14	Southeast	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

The remainder of this page is blank.

[D] G = Good; D = Damaged; SD = Severely Damaged
[E] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[F] NAD – No Asbestos Detected

IV. FINDINGS

EE conducted a limited asbestos inspection of asphalt at selected areas at Lakeland Elementary School, located at 11224 Bombardier Avenue, Norwalk, California.

Two (2) homogeneous material groups were identified during the visual property inspection. Fourteen (14) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, California for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the sampled materials do not contain asbestos.

V. CONCLUSIONS/RECOMMENDATIONS

No asbestos-containing materials were identified during this inspection. Activities involving the inspected materials may proceed as normal construction actions. If suspect asbestos materials that were not sampled are to be disturbed, additional sampling will be required.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio
Fax #:

From: Dennis Liu
AmeriSci Job #: 922041367
Subject: PLM 5 day Results
Client Project: 22-Z0187-0044; Campus

Email: info@execenv.com, ygaleana@execenv.com

Date: Tuesday, April 26, 2022
Time: 12:11:19
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 04/18/22
Date Examined 04/23/22

RE: 22-Z0187-0044; Campus

AmeriSci Job # 922041367
P.O. #
Page 1 **of** 3

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150044RK-01	922041367-01	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NW / Asphalt Paving / Area 1 (NW Playground And North Sides Of Building J And K)			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-02	922041367-02	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-03	922041367-03	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NW / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-04	922041367-04	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, NE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-05	922041367-05	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 1, West / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0044; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150044RK-06	922041367-06	***No***	NAD
Location: Area 1, Center East / Asphalt Paving			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-07	922041367-07	***No***	NAD
Location: Area 1, SE / Asphalt Paving			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-08	922041367-08	***No***	NAD
Location: Area 1, SW-North Of Building J / Asphalt Paving			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-09	922041367-09	***No***	NAD
Location: Area 1, SE-North Of Building K / Asphalt Paving			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-10	922041367-10	***No***	NAD
Location: Area 2, NW / Asphalt Paving / Area 2 (Playground South Of Building E)			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-11	922041367-11	***No***	NAD
Location: Area 2, North / Asphalt Paving			(by CVES) by Dennis Liu on 04/23/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0044; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204150044RK-12	922041367-12	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, NE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-13	922041367-13	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, SW / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204150044RK-14	922041367-14	***No***	NAD (by CVES) by Dennis Liu on 04/23/22
Location: Area 2, SE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

Reporting Notes:

Analyzed by: Dennis Liu
Date: 4/23/2022

Reviewed by: Laurie A. Noble

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

9220413 67

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ Routine (5 Working Days)	☐ RUSH (surcharges may apply) Circle One: 6 hours / 24 hours / 48 hours / 3 to 5 days	Project #: 22-Z0187-0044	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 04/15/2022	Page 1 of 2

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Building Name: Campus

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204150044RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-01	Area 1, NW	Asphalt paving	Area 1 (NW playground and north sides of Buildings J and K)	1	28,000SF	<1
-02	Area 1, NE	↓	↓	↓	↓	↓
-03	Area 1, NW	↓	↓	↓	↓	↓
-04	Area 1, NE	↓	↓	↓	↓	↓
-05	Area 1, West	↓	↓	↓	↓	↓
-06	Area 1, center-east	↓	↓	↓	↓	↓
-07	Area 1, SE	↓	↓	↓	↓	↓

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
[signature] 04/15/2022 1:10PM (EC)	[signature] 4-18-22 8:00	

9220413 67

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0044

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/15/2022

Building Name: Campus

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

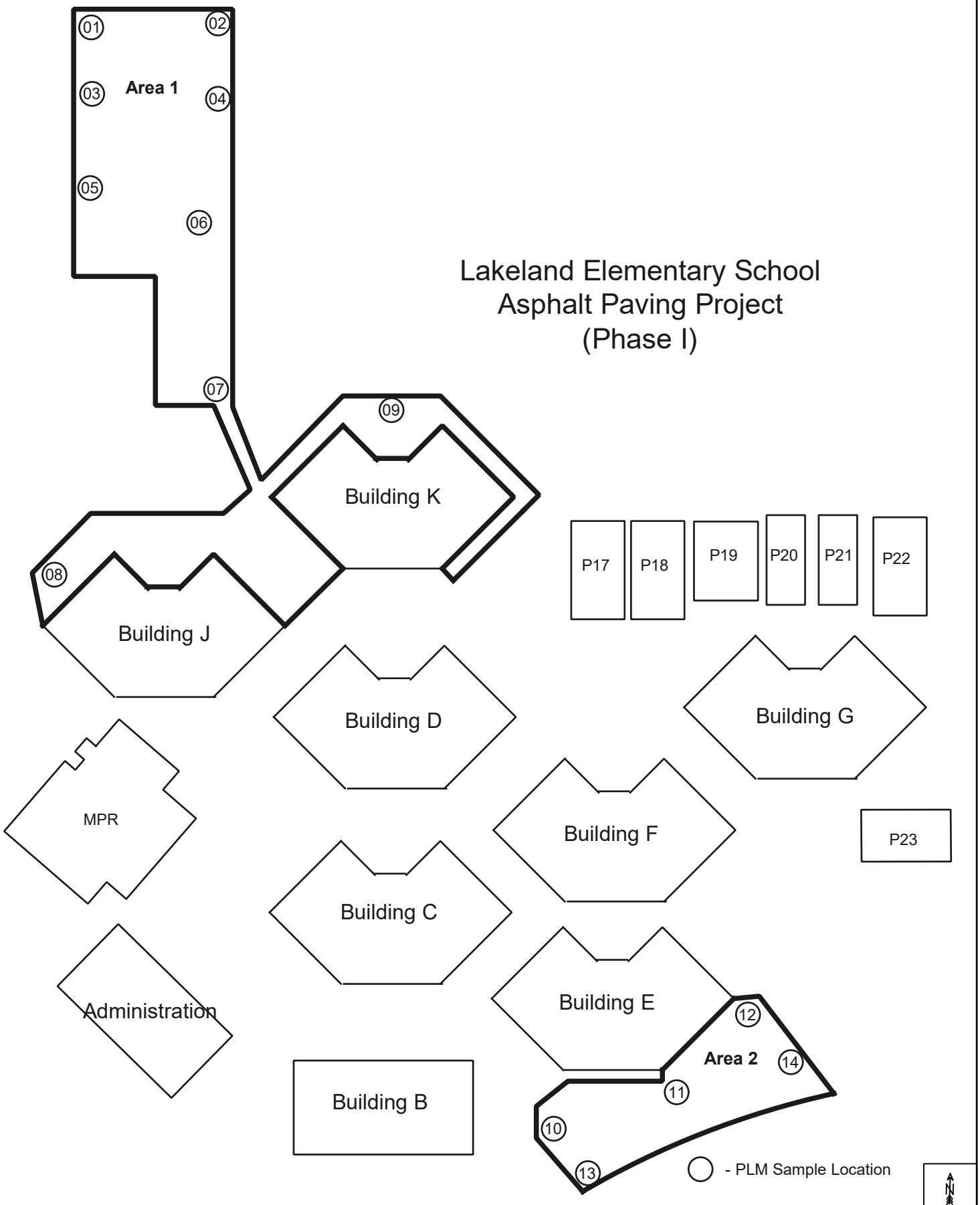
Prefix: 2204150044RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-08	Area 1, SW - north of Building J	Asphalt paving (continued)		1 (cont'd)		
-09	Area 1, SE - north of Building K	↓		↓	↓	↓
-10	Area 2, NW	Asphalt paving	Area 2 (Playground south of Building E)	2	5,000 SF	<1
-11	Area 2, north					
-12	Area 2, NE					
-13	Area 2, SW					
-14	Area 2, SE					

Notes:

Released By, Date, & Time:	Received By, Date, & Time:	Released By, Date, & Time:
[signature] 04/15/2022 1:40PM (EST)	[signature] 4-18-22 8:20	

APPENDIX B – SITE DRAWING

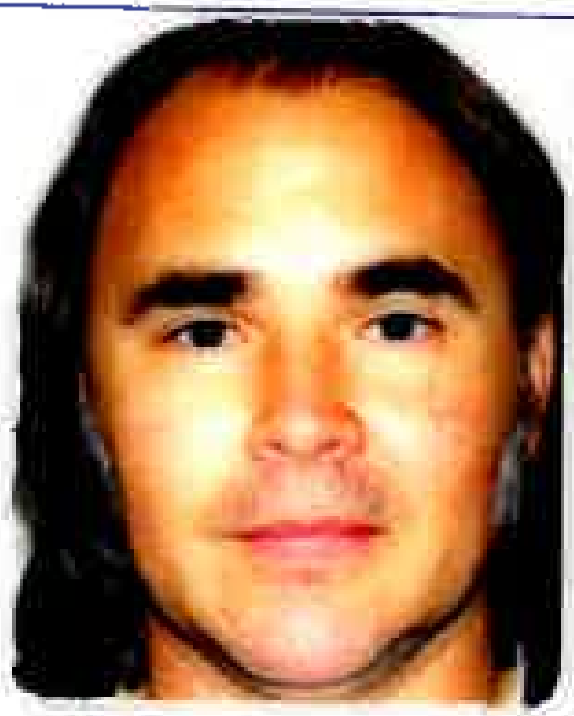


Client: Little Lake City SD	**Project#:** 22-Z0187-0044	**Info:** PLM Sample Locations
EXECUTIVE ENVIRONMENTAL HEALTH & SAFETY SIMPLIFIED		**Site:** Lakeland ES **Address:** 11224 Bombardier Avenue Norwalk, California 90650

APPENDIX C – STAFF CERTIFICATION

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant



Name **Rhys D Kuzmic**

Certification No. **09-4586**

Expires on **01/20/23**

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.

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

LAKELAND ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
11224 BOMBARDIER AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 22-Z0187-0044
April 28, 2021

Report assembled by:

Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:

Tim Galeana, CDPH # 0395/0394
Senior Project Manager
Executive Environmental

TABLE OF CONTENTS

LIMITED LEAD-BASED PAINT INSPECTION

Project Number:	EE 22-Z0187-0044
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	Lakeland Elementary School Asphalt Paving Project 11224 Bombardier Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 15, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Lead Professional, CDPH # 04395
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Lead Professional, CDPH # 0395/0394

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of asphalt paving at Lakeland Elementary School, located at 11224 Bombardier Avenue, Norwalk, California 90650. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection**.** Inspection was conducted as a percussor to Phase 1 of the asphalt impact project. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on April 15, 2022. *This is considered a limited inspection. The inspection was limited to coated surfaces of asphalt paving at selected areas, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm2 (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm2 via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm2 action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of asphalt at selected areas of the campus was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the asphalt paving projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history, and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint and ceramic glaze within the range of 0 to 50 milligrams per centimeter squared (mg/cm^2). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Heuresis.

The following specifications apply to the Viken Detection XRF (formerly Heuresis):

- Ability to report Positive and Negative determination at 1.0mg lead/cm^2 with 2-sigma confidence with measurement time of 1-3 nominal seconds on mast lead paint samples.
- Detects lead at 0.1 mg/cm^2 with 2-sigma confidence with a measurement time of 1 second on most samples.
- Equipped with a ^{57}Co sealed source, 5mCi (185 MBq), radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local, state and federal standards, the following surfaces and/or components that were analyzed with the Viken Detection XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA
Lakeland Elementary School
11224 Bombardier Avenue
Norwalk, California 90650

Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm^2
Campus				
Area 1: Playground near Handball Court and Select areas at Basketball Court, Lines between Buildings J and K	Floor stripes (orange)	Asphalt	250 Linear Feet	1

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of asphalt at selected areas at Lakeland Elementary School, located at 11224 Bombardier Avenue, Norwalk, California 90650. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Asphalt at locations identified as Areas 1 and 2 of the campus were tested via the Viken Detection XRF for the presence of lead.
- The surfaces listed in the previous table were identified as being coated with a regulated lead-based paint.
- The surfaces were observed to be in intact condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

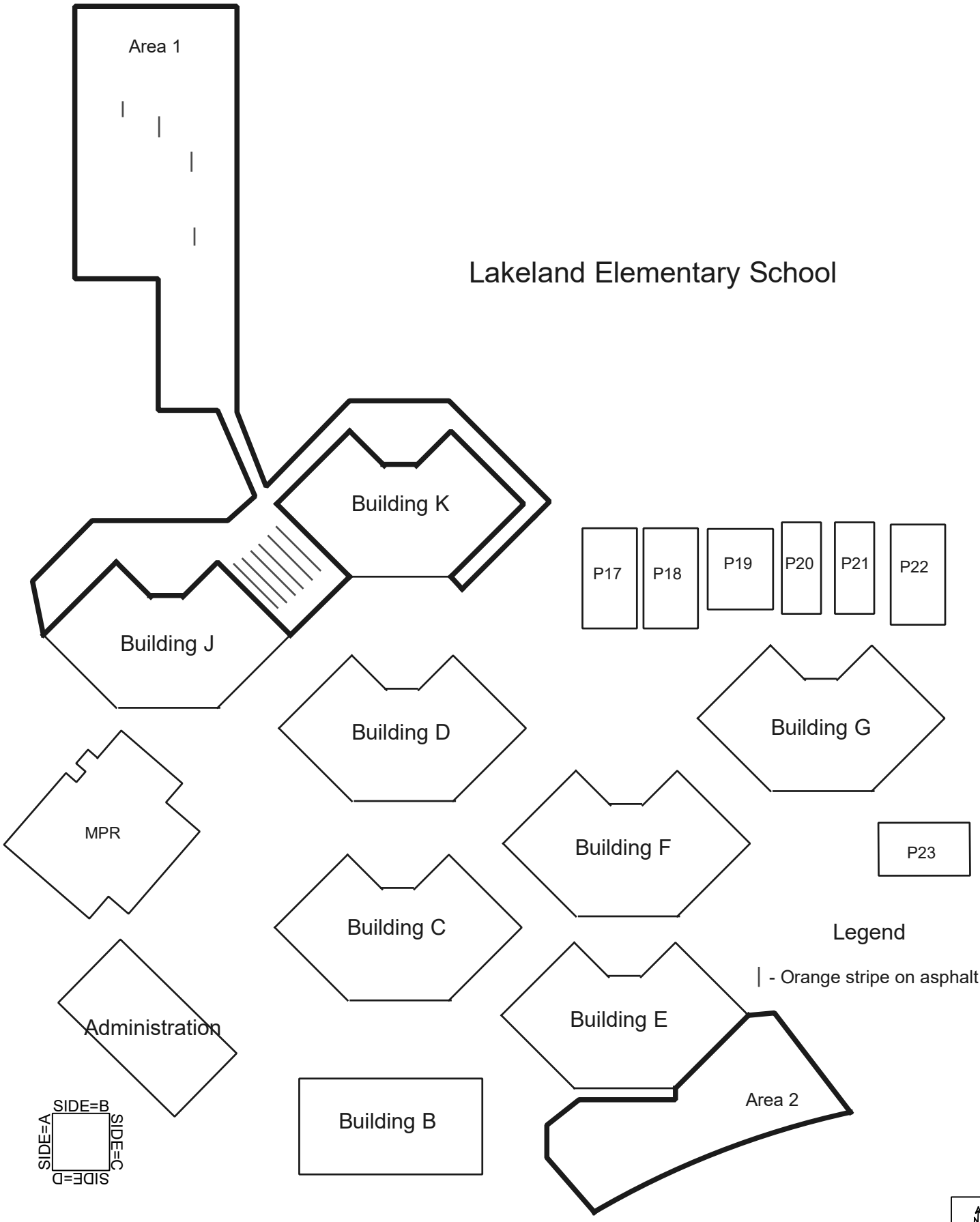
It is recommended that all renovation, remodelling, construction, or demolition actions that might potentially disturb surfaces coated with lead-based paint be performed by properly trained and qualified personnel.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS



Client: Little Lake City SD	**Project#:** 22-Z0187-0044	**Info:** Lead-Based Paint Identified
EXECUTIVE ENVIRONMENTAL **HEALTH & SAFETY SIMPLIFIED**		**Site:** Lakeland ES **Address:** 11224 Bombardier Avenue Norwalk, California 90650

APPENDIX B – XRF SUMMARY RESULTS

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
1	4/15/2022				Calibrate				0.9	Positive
2	4/15/2022				Calibrate				1	Positive
3	4/15/2022				Calibrate				1	Positive
4	4/15/2022				Calibrate				1	Positive
5	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
6	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
7	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
8	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0	Negative
9	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
10	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
11	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
12	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
13	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
14	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
15	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
16	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Blue	0.4	Negative
17	4/15/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	Orange	1	Positive
18	4/15/2022				Calibrate				1	Positive
19	4/15/2022				Calibrate				1	Positive
20	4/15/2022				Calibrate				1	Positive
21	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
22	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
23	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0	Negative
24	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
25	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
26	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
27	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
28	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
29	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
30	4/15/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
31	4/15/2022				Calibrate				1.1	Positive
32	4/15/2022				Calibrate				1	Positive
33	4/15/2022				Calibrate				1	Positive

APPENDIX C – LEAD HAZARD EVALUATION REPORT

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

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 04/15/2022

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

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

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
11224 Bombardier Avenue	Norwalk	Los Angeles	90650

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

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

Name	Telephone number
Little Lake City School District (Brent Griffen)	562-868-8241

Address [number, street, apartment (if applicable)]	City	State	Zip Code
10515 South Pioneer Blvd	Santa Fe Springs	CA	90670

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

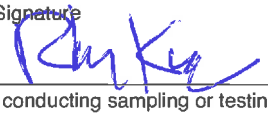
☐ No lead-based paint detected ☑ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected

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

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Rhys Kuzmic	626-441-7050

Address [number, street, apartment (if applicable)]	City	State	Zip Code
310 East Foothill Blvd. Suite 200	Arcadia	CA	91006

CDPH certification number	Signature	Date
18093/LRC-00004395		04/26/2022

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

Section 7 — Attachments

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

First copy and attachments retained by inspector

Second copy and attachments retained by owner

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

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

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2015**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
$\geq$ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED ASBESTOS INSPECTION REPORT

Conducted at:

STUDEBAKER ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
11800 HALCOURT AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

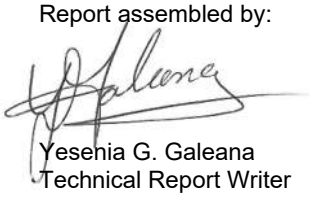
MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

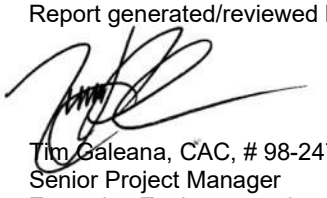
Project Number EE 22-Z0187-0046
April 29, 2022

Report assembled by:



Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:



Tim Galeana, CAC, # 98-2470
Senior Project Manager
Executive Environmental

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LIMITED ASBESTOS INSPECTION REPORT

Project Number:	EE 22-Z0187-0046
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	Studebaker Elementary School Asphalt Paving Project 11800 Halcourt Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 19, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Asbestos Consultant, # 09-4586
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Asbestos Consultant, # 98-2470

I. EXECUTIVE SUMMARY

Executive Environmental (EE) provided the services of a Certified Asbestos Consultant (Mr. Rhys Kuzmic, CAC No. 9-4586) to conduct a limited asbestos inspection of asphalt paving at Studebaker Elementary School, located at 11800 Halcourt Avenue, Norwalk, California. Inspection was conducted as a percussor to Phase 1 of the asphalt impact project. Materials suspected of containing asbestos were sampled and analyzed for the presence of asbestos. No Asbestos-containing materials (ACM) were identified during this inspection. *This is considered to be a limited inspection. The inspection was limited to asphalt at selected areas, as directed by the client.*

II. SAMPLING METHODOLOGY

A visual inspection of asphalt at selected areas of the campus was conducted prior to the collection of any bulk samples. The visual inspection was conducted to identify and record the location and condition of the materials to be sampled. Following the visual inspection, bulk material samples of the identified suspect asbestos-containing building

materials were collected. The materials were categorized into homogeneous groupings, and each sample was assigned a unique sample number and placed into a sealed container.

Upon completion of the bulk sample collection, a chain of custody was prepared and the samples were delivered to the laboratory for analysis. AmeriSci, located at 24416 South Main Street, Suite 308, Carson, California 90745 (310-834-4868) analyzed the samples using Polarized Light Microscopy (PLM). AmeriSci is an accredited participant in the National Voluntary Laboratory Accreditation Program (NVLAP), No. 200346-0. The principles described in the current Environmental Protection Agency (EPA) 600 method were used in the preparation and analysis of the bulk samples.

Note: Inaccessible, suspect asbestos materials may be located within sealed ceilings, walls, or floors; or within wall cavities, interstitials, shafts, etc. Suspect asbestos materials located in these areas must be sampled prior to any activities that might cause them to be disturbed.

III. SAMPLE ANALYSIS

Thirty-eight (38) suspect asbestos-containing samples were collected during this inspection. The laboratory analysis results are listed in the following table. Materials determined not to contain asbestos are listed as “No Asbestos Detected” (NAD).

Any material found to contain more than 1% of a known asbestos substance is considered to be an asbestos-containing material (ACM). Materials falling within this category are controlled and must be handled in accordance with the California Occupational Safety & Health Administration (Cal/OSHA), EPA, and South Coast Air Quality Management District (SCAQMD) regulations.

In addition, materials which are characterized as non-ACM by EPA or other local regulatory agencies may fall within the regulatory standards of Cal/OSHA, which further regulates any materials found to contain more than 1/10 of 1%, but 1% or less, of a known asbestos substance as asbestos-containing construction materials (ACCMs). Impacting or handling ACCMs requires special employer registration, documentation, training, and personal protective equipment. When a material is to be impacted, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations require further testing for materials that fall within this category.

The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. When one sample of a homogeneous area is positive, the remainder of the samples need not be analyzed, because the entire homogeneous area must be considered positive.

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[A]	Type[B]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
1	Asphalt paving	Area 1: Kindergarten Playground	6,000 Square Feet	G	Misc.	No	<1	2204190046RK-01	Northwest	NAD[C]
								2204190046RK-02	Northeast	NAD
								2204190046RK-03	Center	NAD
								2204190046RK-04	Southeast	NAD
								2204190046RK-05	Southwest	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.
The remainder of this page is blank

[A] G = Good; D = Damaged; SD = Severely Damaged
[B] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[C] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[D]	Type[E]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
2	Asphalt paving	Area 2: Southwest Playground and Associated Walkways	11,800 Square Feet	G	Misc.	No	<1	2204190046RK-06	Northwest at playground	NAD[F]
								2204190046RK-07	North walkway	NAD
								2204190046RK-08	Northeast at playground	NAD
								2204190046RK-09	West at playground	NAD
								2204190046RK-10	East at playground	NAD
								2204190046RK-11	Southwest at playground	NAD
								2204190046RK-12	South at playground	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.
The remainder of this page is blank.

[D] G = Good; D = Damaged; SD = Severely Damaged
[E] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[F] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[G]	Type[H]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
3	Asphalt paving	Area 3: Walkway South of 200 thru 500 Buildings	3,500 Square Feet	G	Misc.	No	<1	2204190046RK-13	Southwest	NAD[I]
								2204190046RK-14	Northwest	NAD
								2204190046RK-15	Northeast	NAD
								2204190046RK-16	Northeast at 500 Building	NAD
								2204190046RK-17	Southeast at entry to Southeast playground	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.
The remainder of this page is blank.

[G] G = Good; D = Damaged; SD = Severely Damaged
[H] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[I] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[J]	Type[K]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
4	Asphalt paving	Area 4: Southeast Playground and Associated Walkways and Driveways	20,000 Square Feet	G	Misc.	No	<1	2204190046RK-18	North at walkway	NAD[L]
								2204190046RK-19	Northwest at playground	NAD
								2204190046RK-20	North at playground	NAD
								2204190046RK-21	Northeast at playground	NAD
								2204190046RK-22	Northeast at driveway	NAD
								2204190046RK-23	West at playground	NAD
								2204190046RK-24	Center of playground	NAD
								2204190046RK-25	Southwest at playground	NAD
								2204190046RK-26	Southeast at playground	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

[J] G = Good; D = Damaged; SD = Severely Damaged
[K] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[L] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[M]	Type[N]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
5	Asphalt paving	Area 5: Lunch Area at MPR	800 Square Feet	G	Misc.	No	<1	2204190046RK-27	Northwest	NAD[O]
								2204190046RK-28	Southeast	NAD
								2204190046RK-29	Southwest	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

Sampling results continue on the next page.
The remainder of this page is blank.

[M] G = Good; D = Damaged; SD = Severely Damaged
[N] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[O] NAD – No Asbestos Detected

POLARIZED LIGHT MICROSCOPY (PLM) ANALYSIS DATA

Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Homogeneous Material #	Material Description	Material Location	Estimated Quantity	Condition[P]	Type[Q]	Friable	Percent Damaged	Sample Number	Sample Location	Analytical Results
Campus										
6	Asphalt paving	Area 6: North Parking Lot	42,000 Square Feet	G	Misc.	No	<1	2204190046RK-30	West	NAD[R]
								2204190046RK-31	Southwest	NAD
								2204190046RK-32	North-center	NAD
								2204190046RK-33	South-center	NAD
								2204190046RK-34	North-center	NAD
								2204190046RK-35	Center	NAD
								2204190046RK-36	South	NAD
								2204190046RK-37	Northeast	NAD
								2204190046RK-38	East at exit	NAD

Note: This table must be used in conjunction with the entire report. This document is not to be used for contract bidding and is intended to be used to identify asbestos-containing materials and their locations only.

[P] G = Good; D = Damaged; SD = Severely Damaged
[Q] Misc. = Miscellaneous; Surf. = Surfacing; TSI = Thermal System Insulation
[R] NAD – No Asbestos Detected

IV. FINDINGS

EE conducted a limited asbestos inspection of asphalt at selected areas at Studebaker Elementary School, located at 11800 Halcourt Avenue, Norwalk, California.

Six (6) homogeneous material groups were identified during the visual property inspection. Thirty-eight (38) samples of suspect asbestos-containing materials were collected and delivered to AmeriSci of Carson, California for analysis. The homogeneous areas and sampling results are listed on the table in Section III.

The analytical data revealed that the sampled materials do not contain asbestos.

V. CONCLUSIONS/RECOMMENDATIONS

No asbestos-containing materials were identified during this inspection. Activities involving the inspected materials may proceed as normal construction actions. If suspect asbestos materials that were not sampled are to be disturbed, additional sampling will be required.

If you have any questions, please call Mr. Tim Galeana at 626-441-7050. We are glad we could be of service to you.

VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – LABORATORY ANALYSIS REPORT

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Yesenia Galeana
Executive Environmental Services Corporatio
Fax #:

From: Francis Paras
AmeriSci Job #: 922041382
Subject: PLM 5 day Results
Client Project: 22-Z0187-0046; Campus

Email: info@execenv.com, ygaleana@execenv.com

Date: Wednesday, April 27, 2022
Time: 15:35:01
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Executive Environmental Services Corpor
Attn: Yesenia Galeana
310 East Foothill Blvd.
Suite 200
Arcadia, CA 91006

Date Received 04/19/22
Date Examined 04/27/22

RE: 22-Z0187-0046; Campus

AmeriSci Job # 922041382
P.O. #
Page 1 **of** 7

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-01	922041382-01	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 1, NW / Asphalt Paving / Area 1 (Kindergarten Playground)			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-02	922041382-02	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 1, NE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-03	922041382-03	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 1, Near Center / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-04	922041382-04	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 1, SE / Asphalt Paving			
Analyst Description: Black, Heterogeneous, Non-Fibrous, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-05	922041382-05	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 1, SW / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-06	922041382-06	***No***	NAD
Location: Area 2, NW At Playground / Asphalt Paving / Area 2 (SW Playground And Associated Walkway)			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-07	922041382-07	***No***	NAD
Location: Area 2, North Walkway / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-08	922041382-08	***No***	NAD
Location: Area 2, NE At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-09	922041382-09	***No***	NAD
Location: Area 2, West At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-10	922041382-10	***No***	NAD
Location: Area 2, East At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-11	922041382-11	***No***	NAD
Location: Area 2, SW At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-12	922041382-12	***No***	NAD
Location: Area 2, South At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-13	922041382-13	***No***	NAD
Location: Area 3, SW / Asphalt Paving / Area 3 (Walkway South Of Building 200-500)			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-14	922041382-14	***No***	NAD
Location: Area 3, NW / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-15	922041382-15	***No***	NAD
Location: Area 3, NE / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-16	922041382-16	***No***	NAD
Location: Area 3, NE At Building 500 / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-17	922041382-17	***No***	NAD
Location: Area 3, SE At Entry To SE Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-18	922041382-18	***No***	NAD
Location: Area 4, North At Walkway / Asphalt Paving / Area 4 (SE Playground And Associated Walkways And Driveways)			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-19	922041382-19	***No***	NAD
Location: Area 4, NW At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-20	922041382-20	***No***	NAD
Location: Area 4, North At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-21	922041382-21	***No***	NAD
Location: Area 4, NE At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-22	922041382-22	***No***	NAD
Location: Area 4, NE At Driveway / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-23	922041382-23	***No***	NAD
Location: Area 4, West At Playground / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-24	922041382-24	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 4, Near Center Of Playground / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-25	922041382-25	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 4, SW At Playground / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-26	922041382-26	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 4, SE At Playground / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-27	922041382-27	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 5, NW / Asphalt Paving / Area 5 (Lunch Area At MPR)			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-28	922041382-28	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 5, SE / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			
2204190046RK-29	922041382-29	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 5, SW / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt			
Asbestos Types:			
Other Material: Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-30	922041382-30	***No***	NAD
Location: Area 6, West / Asphalt Paving / Area 6 (North Parking Lot)			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-31	922041382-31	***No***	NAD
Location: Area 6, SW / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-32	922041382-32	***No***	NAD
Location: Area 6, North-Center / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-33	922041382-33	***No***	NAD
Location: Area 6, South-Center / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-34	922041382-34	***No***	NAD
Location: Area 6, North-Center / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-35	922041382-35	***No***	NAD
Location: Area 6, Near Center / Asphalt Paving			(by CVES) by Francis Paras on 04/27/22
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

See Reporting notes on last page

PLM Bulk Asbestos Report

22-Z0187-0046; Campus

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2204190046RK-36	922041382-36	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 6, South / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-37	922041382-37	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 6, NE / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			
2204190046RK-38	922041382-38	***No***	NAD (by CVES) by Francis Paras on 04/27/22
Location: Area 6, East Exit / Asphalt Paving			
Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Cementitious, Asphalt **Asbestos Types:** **Other Material:** Non-fibrous 100%			

Reporting Notes:

Analyzed by: Francis Paras
Date: 4/27/2022

Reviewed by: Lateef McIntosh

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

922041382

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ Routine (5 Working Days)	☐ RUSH (surcharges may apply) Circle One: 6 hours / 24 hours / 48 hours / 3 to 5 days	Project #: 22-Z0187-0046	Sampled by: Rhys Kuzmic	Site Zip Code: 90650	Sample Date: 04/19/2022	Page 1 of 6

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%

Building Name: Campus

4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-01	Area 1, NW	Asphalt paving	Area 1 (Kindergarten playground)	1	6,000 SF	<1
-02	Area 1, NE	↓		↓	↓	↓
-03	Area 1, near center					
-04	Area 1, SE					
-05	Area 1, SW					

Notes:

Released By, Date, & Time:	Received By, Date, & Time:	Released By, Date, & Time:
Rhys Kuzmic 04/19/2022 1:25 PM	4-19-22 @ 13:30	

Rev. 1/19

Form: AL-006PLM

9220413B2

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

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Phone: 626.441.7050
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Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0046

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/19/2022

Building Name: Campus

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2. Analyze all samples by PLM by EPA 600/R-93/116.
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☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-06	Area 2, NW at playground	Asphalt paving	Area 2 (SW Playground and associated walkway)	2	11,800 SF	<1
-07	Area 2, north walkway	↓		↓	↓	↓
-08	Area 2, NE at playground	↓		↓	↓	↓
-09	Area 2, west at playground	↓		↓	↓	↓
-10	Area 2, east at playground	↓		↓	↓	↓
-11	Area 2, SW at playground	↓		↓	↓	↓
-12	Area 2, south at playground	↓		↓	↓	↓

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
RhysK 04/19/2022 1:25PM	YGJr 4.19.22 @ 3:30	

9220413 82

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0046

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/19/2022

Building Name: Campus

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
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☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-13	Area 3, SW	Asphalt paving	Area 3 (walkway south of Buildings 200-500)	3	3,500 SF	<1
-14	Area 3, NW	↓		↓	↓	↓
-15	Area 3, NE					
-16	Area 3, NE at Building 500					
-17	Area 3, SE at entry to SE playground					
-18	Area 4, north at walkway	Asphalt paving	Area 4 (SE playground and associated walkways and driveways)	4	20,000 SF	<1
-19	Area 4, NW at playground	↓		↓	↓	↓

Notes:

Released By, Date, & Time: Rhys Kuzmic 04/19/2022 1:25PM

Received By, Date, & Time: [signature] 4-19-22 13:30

Released By, Date, & Time:

Form: AL-006PLM

922041382

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

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Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)
☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0046
Sampled by: Rhys Kuzmic
Site Zip Code: 90650
Sample Date: 04/19/2022

Building Name: Campus

The receiving Laboratory is required to complete the following:
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☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-20	Area 4, north at playground	Asphalt paving (continued)		4		
-21	Area 4, NE at playground					
-22	Area 4, NE at driveway					
-23	Area 4, West at playground					
-24	Area 4, near center of playground					
-25	Area 4, SW at playground					
-26	Area 4, SE at playground					

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
Rhys Kuz 04/19/2022 1:25PM	4.19.22 @ 13:20	

927041382

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

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☑ **Routine** (5 Working Days)
☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0046
Sampled by: Rhys Kuzmic
Site Zip Code: 90650
Sample Date: 04/19/2022

Building Name: Campus

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☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-27	Area 5, NW	Asphalt paving	Area 5 (Lunch area at MFR)	5	800 SF	<1
-28	Area 5, SE	↓		↓	↓	↓
-29	Area 5, SW					
-30	Area 6, West	Asphalt paving	Area 6 (North Parking Lot)	6	42,000 SF	<1
-31	Area 6, SW					
-32	Area 6, north-center					
-33	Area 6, south-center					

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
Rhys Kuz 04/19/2022 1:25PM	4-19-22 @ 13:30	

9220413 82

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene Laboratory Submittal
Asbestos -- PLM

Originating Office
☑ 310 E. Foothill Blvd., Suite 200
Arcadia, CA 91006
Phone: 626.441.7050
Fax: 626.441.0016

Lab Submitted to:
☑ AmeriSci
☐ EMLab (Glendale)
☐ LA Testing

☑ **Routine** (5 Working Days)

☐ **RUSH** (surcharges may apply) Circle One: 6 hours | 24 hours | 48 hours | 3 to 5 days

Project #: 22-Z0187-0046

Sampled by: Rhys Kuzmic

Site Zip Code: 90650

Sample Date: 04/19/2022

Building Name: Campus

The receiving Laboratory is required to complete the following:

1. All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 **with** a copy of the lab report.
2. Analyze all samples by PLM by EPA 600/R-93/116.
3. Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0%
4. All lab reports and invoices are to contain the Project Number from above.
5. Unsigned and reports marked draft are unacceptable.
6. Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked): ☑ Email Report to: ☑ Info@execenv.com ☑ Other: ygaleana@execenv.com;

☑ US Mail Report to: ☑ Originating office check marked above ☐ Other: ☐ Alternate billing address:

Prefix: 2204190046RK

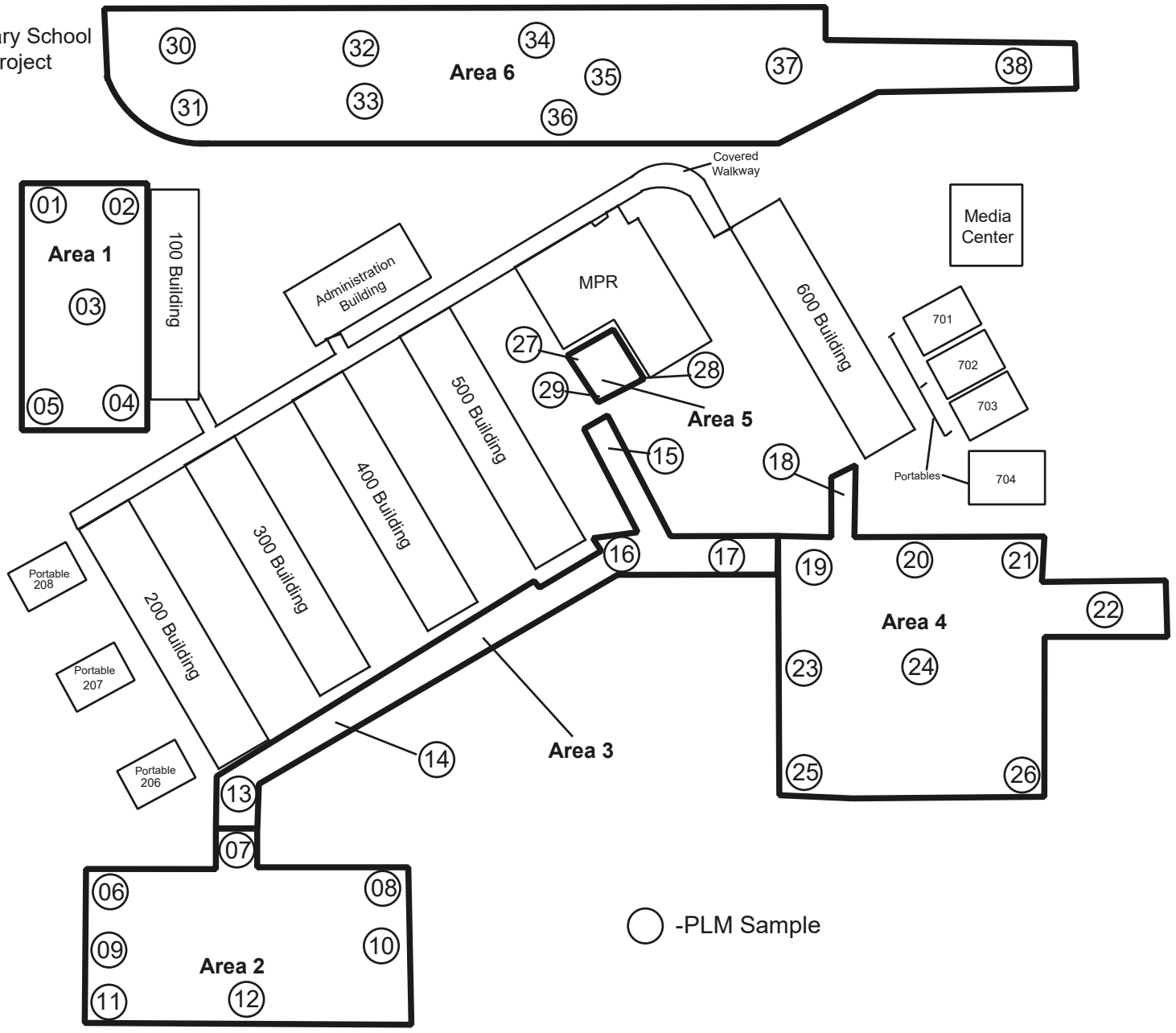
Sample No.:	Sample Location – Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-34	Area 6, north - center	Asphalt paving (continued)		6 (cont.)		
-35	Area 6, ~~south~~ near center					
-36	Area 6, south					
-37	Area 6, NE					
-38	Area 6, east exit					

Notes:

Released By, Date, & Time:	Received By, Date, & Time::	Released By, Date, & Time:
Rhys Kuz 04/19/2022 1:25PM	4-19-22 13:30	

APPENDIX B – SITE DRAWING

Studebaker Elementary School
Asphalt Paving Project
(Phase 1)



Client: Little Lake City SD	**Project #:** 22-Z0187-0046	**Info:** PLM Sample Locations

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

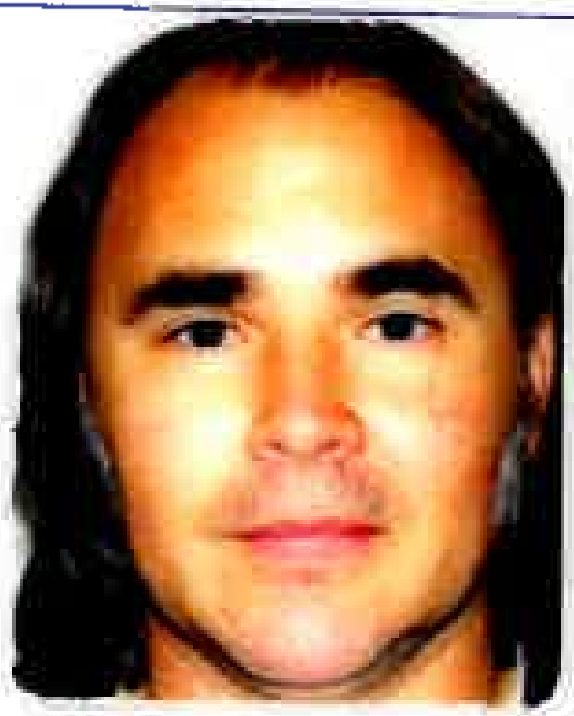
Site: Studebaker ES
Adress: 11800 Halcourt Avenue
Norwalk, California 90650

Drawing Not to Scale - © 2012

APPENDIX C – STAFF CERTIFICATION

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant



Name **Rhys D Kuzmic**

Certification No. **09-4586**

Expires on **01/20/23**

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.

EXECUTIVE ENVIRONMENTAL
HEALTH & SAFETY SIMPLIFIED

Industrial Hygiene • Air Quality • Lead & Asbestos • Training • Health & Safety

LIMITED LEAD-BASED PAINT INSPECTION REPORT

Conducted at:

STUDEBAKER ELEMENTARY SCHOOL
ASPHALT PAVING PROJECT, PHASE I
11800 HALCOURT AVENUE
NORWALK, CALIFORNIA 90650

Prepared for:

MR. BRENT GRIFFEN
DIRECTOR OF MAINTENANCE AND OPERATIONS AND CUSTODIAL SERVICES
LITTLE LAKE CITY SCHOOL DISTRICT
10515 SOUTH PIONEER BOULEVARD
SANTA FE SPRINGS, CALIFORNIA 90670

Prepared by:

EXECUTIVE ENVIRONMENTAL
310 EAST FOOTHILL BOULEVARD, SUITE 200
ARCADIA, CALIFORNIA 91006

Project Number EE 22-Z0187-0046
April 29, 2021

Report assembled by:

Yesenia G. Galeana
Technical Report Writer
Executive Environmental

Report generated/reviewed by:

Tim Galeana, CDPH # 0395/0394
Senior Project Manager
Executive Environmental

TABLE OF CONTENTS

LIMITED LEAD-BASED PAINT INSPECTION

Project Number:	EE 22-Z0187-0046
Client:	Little Lake City School District 10515 South Pioneer Boulevard Santa Fe Springs, California 90670
Site Location:	Studebaker Elementary School Asphalt Paving Project 11800 Halcourt Avenue Norwalk, California 90650
Site Use:	School Property
Contact Person:	Mr. Brent Griffen Director of M&O and Custodial Services Phone: (562) 868-8241
Inspection Date:	April 19, 2022
Inspected By:	Mr. Rhys Kuzmic Certified Lead Professional, CDPH # 04395
Report Assembled By:	Ms. Yesenia G. Galeana Technical Report Writer
Report Generated/Reviewed By:	Mr. Tim Galeana Certified Lead Professional, CDPH # 0395/0394

I. EXECUTIVE SUMMARY

Executive Environmental (EE) was retained by the Little Lake City School District to conduct a limited lead-based paint inspection of asphalt paving at selected areas at Studebaker Elementary School, located at 11800 Halcourt Avenue, Norwalk, California. EE provided a California Department of Public Health Certified Lead Inspector to conduct the inspection. Inspection was conducted as a percussor to Phase 1 of the asphalt impact project. Regulated lead-based paint was detected during this inspection. EE's Certified Lead Professional (CLP) conducted these services on April 18, 2022. *This is considered a limited inspection. The inspection was limited to coated surfaces of asphalt paving at selected areas, as directed by the client.*

II. SAMPLING PROTOCOL

According to the United States Department of Housing and Urban Development's (HUD) guideline document, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, and Section 1017 of Title X, Residential Lead-Based Paint Hazard Reduction Act of 1992, Public Law 102-550, paint found to have a lead concentration of at least 1.0 mg/cm2 (milligrams per centimeter squared) by X-Ray Fluorescence (XRF) analysis, or 0.5 percent (5000 parts per million) by weight, is regulated as lead-based paint.

Los Angeles County Childhood Lead Poisoning Prevention Program established in 1991, further regulates that paint found to have a lead concentration greater than 0.7 mg/cm2 via XRF readings, or 0.06 weight-to-weight percent by Atomic Absorption Spectrometry (AAS) analysis, is considered to be lead-based paint. The Los Angeles County 0.7 mg/cm2 action level was used for determining the lead-based paint in this inspection because it is more stringent than the HUD guidelines.

Any material containing any detectable level of lead is subject to the Occupational Safety and Health Administration's (OSHA) Lead Exposure in Construction Rule 29 Code of Federal Regulation (CFR) 1926.62 and California Code of Regulations Title 8, Section 1532.1 Lead (8CCR1532.1) and Title 8, Section 5198, Lead (8CCR5198). All work that disturbs this type of material must be performed in accordance with this and any other applicable standards.

All facilities built prior to 1979 for residential buildings and prior to 1993 for schools are suspect for lead-containing materials. Federal and state regulations recognize only the following methods of identification: analysis by an XRF instrument, paint bulk sample collection and analysis, or a combination of both. This inspection was conducted via XRF instrumentation. The parameters used to interpret the XRF results are outlined in the HUD guidelines and the XRF Performance Characteristics Sheets (PCS).

III. SAMPLING METHODOLOGY

A visual inspection of asphalt paving at selected areas of the campus was conducted by EE's CLP to identify major site features and surfaces and/or components suspected of being coated with lead-based paint that will be impacted by the asphalt paving projects. After identifying the materials suspected of being coated with a lead-based paint, EE grouped the components, substrates, and room equivalents into testing combinations. A testing combination is defined as the room equivalent, component, and substrate. A room equivalent is an identifiable part of a building (e.g., classrooms, restrooms, mechanical rooms, exterior). Color does not accurately indicate painting history, and is not included when assigning testing combinations. If there was any reason to suspect that materials may have been installed or painted at different times even though they appeared uniform, they were assigned to separate testing combinations.

Following the visual inspection, screening for the presence of lead-based paint was performed on-site using a portable XRF instrument. The XRF has the ability to measure lead content in paint and ceramic glaze within the range of 0 to 50 milligrams per centimeter squared (mg/cm^2). The on-site inspection capability of the XRF instrument typically reduces the number of paint-chip samples that may need to be collected and sent for laboratory analysis. The portable XRF instrument used in this inspection was manufactured by Heuresis.

The following specifications apply to the Viken Detection XRF (formerly Heuresis):

- Ability to report Positive and Negative determination at 1.0mg lead/cm^2 with 2-sigma confidence with measurement time of 1-3 nominal seconds on mast lead paint samples.
- Detects lead at 0.1 mg/cm^2 with 2-sigma confidence with a measurement time of 1 second on most samples.
- Equipped with a ^{57}Co sealed source, 5mCi (185 MBq), radioactive source. Substrate effects are automatically corrected through a complex algorithm and calibration.

IV. SAMPLE ANALYSIS

According to local, state and federal standards, the following surfaces and/or components that were analyzed with the Viken Detection XRF instrument during this inspection are considered to be coated with a regulated lead-based paint.

XRF SAMPLE ANALYSIS DATA
Studebaker Elementary School
11800 Halcourt Avenue
Norwalk, California 90650

Location	Component	Substrate	Estimate Quantity	XRF Result Mg/cm^2
Campus				
Area 4: Southeast Playground and associated Walkways and Driveways	Floor stripes (orange)	Asphalt	345 Linear Feet	1.2
Area 6: North Parking Lot	Floor stripes (orange)	Asphalt	480 Linear Feet	2.7
No regulated lead-based paint identified on the exterior surfaces of Areas 1, 2, 3, and 5.				

Note: This table must be used in conjunction with the entire report.

V. CONCLUSIONS/RECOMMENDATIONS

EE conducted a limited lead-based paint inspection of asphalt paving at selected areas at Studebaker Elementary School, located at 11800 Halcourt Avenue, Norwalk, California. The following conclusions and/or recommendations apply:

Limited Lead-Based Paint Inspection

- Asphalt at locations identified as Areas 1 thru 6 of the campus were tested via the Viken Detection XRF for the presence of lead.
- The surfaces listed in the previous tables were identified as being coated with a regulated lead-based paint.
- The surfaces were observed to be in intact condition during this inspection.
- A fully representative number of XRF readings were taken at the project site. The results of these assays are presented in the XRF Summary Results spreadsheets.

It is recommended that all renovation, remodelling, construction, or demolition actions that might potentially disturb surfaces coated with lead-based paint be performed by properly trained and qualified personnel.

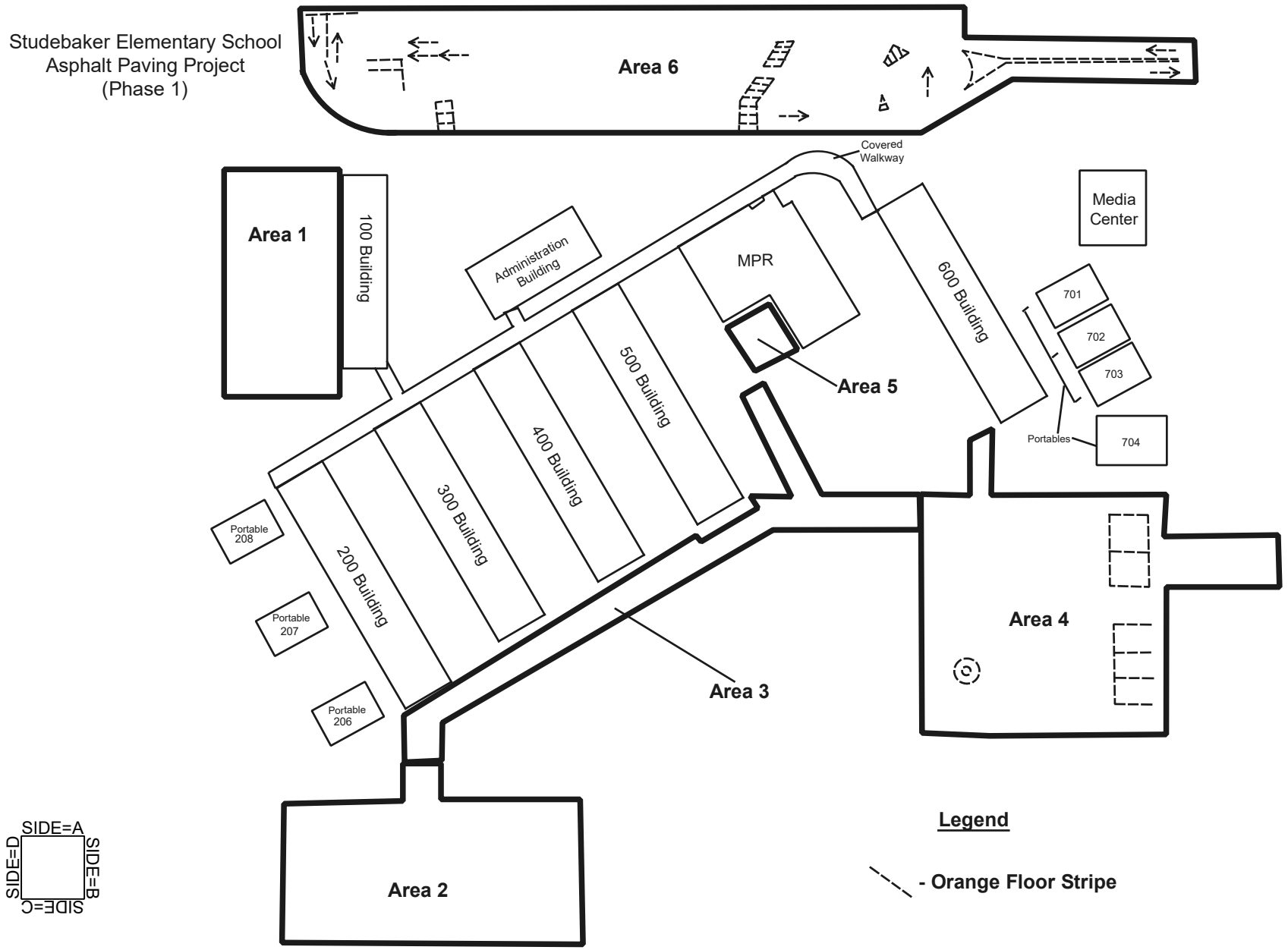
VI. DISCLAIMER/REPORT LIMITATIONS

All reports and recommendations are based on conditions and practices observed and information made available to Executive Environmental (EE) by the client and the designated sites/facilities on the days sampling was conducted. This report does not purport to set forth all hazards, nor to indicate that other hazards do not exist. No responsibility is assumed by EE for the control or correction of conditions or practices existing at the facilities, or at any other premises surveyed by EE, for and on the behalf of the client. Services provided by EE shall be governed by the standard of practice for professional services measured at the time those services are rendered.

All information contained in this report is proprietary and limited to the scope of services, parameters of the analytical methods used and the conditions present at the time of this inspection. Any references to quantities are considered estimates and are not to be construed as actual.

APPENDIX A – SITE DRAWINGS

Studebaker Elementary School
Asphalt Paving Project
(Phase 1)



Client: Little Lake City SD	**Project #:** 22-Z0187-0046	**Info:** Lead-Based Paint Identified
EXECUTIVE ENVIRONMENTAL **HEALTH & SAFETY SIMPLIFIED**		**Site:** Studebaker ES **Adress:** 11800 Halcourt Avenue Norwalk, California 90650
		Drawing Not to Scale - © 2012

APPENDIX B – XRF SUMMARY RESULTS

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
1	4/19/2022				Calibrate				1	Positive
2	4/19/2022				Calibrate				0.9	Positive
3	4/19/2022				Calibrate				1	Positive
4	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
5	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
6	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
7	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
8	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
9	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
10	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
11	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
12	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
13	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
14	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
15	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0	Negative
16	4/19/2022	Campus	Area 1	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
17	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
18	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
19	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
20	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
21	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
22	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
23	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
24	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
25	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
26	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
27	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
28	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
29	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
30	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.6	Negative

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
31	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
32	4/19/2022	Campus	Area 2	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
33	4/19/2022	Campus	Area 3	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
34	4/19/2022	Campus	Area 3	Floor stripe	Asphalt	Lower	Intact	Blue	0.4	Negative
35	4/19/2022	Campus	Area 3	Floor stripe	Asphalt	Lower	Intact	Blue	0.1	Negative
36	4/19/2022	Campus	Area 3	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
37	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
38	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
39	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0	Negative
40	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
41	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
42	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.5	Negative
43	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
44	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
45	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
46	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
47	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
48	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
49	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
50	4/19/2022	Campus	Area 4	Floor stripe	Asphalt	Lower	Intact	Orange	1.2	Positive
51	4/19/2022	Campus	Area 5	Floor stripe	Asphalt	Lower	Intact	Red	0.3	Negative
52	4/19/2022	Campus	Area 5	Floor stripe	Asphalt	Lower	Intact	Red	0.3	Negative
53	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
54	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
55	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
56	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
57	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
58	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
59	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Blue	0.2	Negative
60	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Orange	0.5	Negative

Reading #	Date	Building	Location	Component	Substrate	Side	Condition	Color	Concentration	Result
61	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Orange	2.7	Positive
62	4/19/2022				Calibrate				0.9	Positive
63	4/19/2022				Calibrate				1	Positive
64	4/19/2022				Calibrate				1	Positive
65	4/19/2022				Calibrate				1	Positive
66	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Red	0.5	Negative
67	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Red	0.2	Negative
68	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	Red	0.5	Negative
69	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.1	Negative
70	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.4	Negative
71	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
72	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.3	Negative
73	4/19/2022	Campus	Area 6	Floor stripe	Asphalt	Lower	Intact	White	0.2	Negative
74	4/19/2022				Calibrate				1	Positive
75	4/19/2022				Calibrate				1	Positive
76	4/19/2022				Calibrate				1	Positive

APPENDIX C – LEAD HAZARD EVALUATION REPORT

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 04/19/2022

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

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

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
11800 Halcourt Avenue	Norwalk	Los Angeles	90650

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

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

Name	Telephone number
Little Lake City School District (Brent Griffen)	562-868-8241

Address [number, street, apartment (if applicable)]	City	State	Zip Code
10515 South Pioneer Blvd	Santa Fe Springs	CA	90670

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

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

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

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Rhys Kuzmic	626-441-7050

Address [number, street, apartment (if applicable)]	City	State	Zip Code
310 East Foothill Blvd. Suite 200	Arcadia	CA	91006

CDPH certification number	Signature	Date
18093/LRC-00004395	Rhys Kuzmic	04/26/2022

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

Section 7 — Attachments

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

First copy and attachments retained by inspector

Second copy and attachments retained by owner

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

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

APPENDIX D –XRF PERFORMANCE CHARACTERISTICS SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2015**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
$\geq$ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.