ASBESTOS & LEAD ABATEMENT SPECIFICATIONS

For The Asbestos and Lead Related Work At

LA MIRADA HIGH SCHOOL
FIELD STADIUM STRUCTURES

1352 Adelfa Drive
La Mirada, California 90650

Prepared For

NORWALK-LA MIRADA UNIFIED SCHOOL DISTRICT
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Prepared by

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ATTACHMENTS

ATTACHMENT A: Asbestos & Lead Inspection Report ï June 12 & 16, 2020
ENCORP Project Number P20172.N16

ATTACHMENT B: P20172.N16 ï SCAQMD Draft Procedure 5 Plan,
August 24, 2020

SECTION 02080 - ASBESTOS & LEAD MATERIALS REMOVALS

PART 1 - GENERAL

1.1 PROJECT SITE

A. The project site is identified as the La Mirada High School ï Field Stadium Structures Abatement Project located at 1352 Adelfa Drive, La Mirada, California. Work areas shall include areas of impact where hazardous materials are to be impacted by demolition. Hazardous Materials are outlined in the Table located in Article 1.2.G, below.

1.2 SCOPE OF WORK

A. The main project goal for this project is perform the necessary project abatement, preparation of lead-based painted components for the purpose of demolition and including abatement. All hazardous materials identified within the subject buildings as impacted based on the Asbestos and lead materials reports are to be removed and prepared for demolition. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in prepping or removing the materials as identified in the Hazardous Materials Inspection Report, and based on the demolition, modernization plans, demolition specifications, upgrades and provided project specification & drawings.

B. All removal and disturbance of asbestos-containing materials shall be performed by an asbestos abatement contractor, using 32-hour asbestos certified workers (Asbestos Worker trained as outlined in 40 CFR 763). Abatement contractorôs workforce shall be supervised by experienced persons trained, knowledgeable and qualified in the techniques of asbestos abatement, handling and disposal of asbestos-containing and/or asbestos-contaminated materials, and the subsequent cleaning of contaminated areas, including, at a minimum, Competent Person/Contractor Supervisor training as outlined in 40 CFR 763.

C. All removal and disturbance (Stabilization, preparation for demolition, and/or repainting as applicable) of lead-based materials shall be performed by a state-licensed contractor, using CDPH-certified workers with at least one CDPH-certified Supervisor.

Where contractors performing renovation repair and painting and are to disturb lead based paint the contractor shall be a Certified Renovator in accordance with 40 CFR Part 745.82 Lead: Renovation, Repair and Painting Program. All disturbance of lead-containing materials as defined in 8 CCR 1532.1, shall be performed by a state-licensed contractor, using lead-trained workers with certification of training meeting the requirements of 8 CCR 1532.1 and 40 CFR Part 745.82 Lead: Renovation, Repair and Painting Program. Abatement contractorôs workforce shall be supervised by experienced persons trained, knowledgeable and qualified in the techniques of lead abatement, handling and disposal of lead-containing and/or lead-contaminated materials, and the subsequent cleaning of contaminated areas.

D. When exposure monitoring of a particular lead-related task indicates that the permissible exposure limit is or will be exceeded, the contractor shall use CDPH-certified lead workers to complete the task. Contractors performing work that disturbs any LCM must submit proof of negative exposure assessment (NEA) if personal protective equipment is not to be used.

E. For Cal/OSHA compliance purposes, all other painted, varnished, and glazed surfaces identified in the Hazardous Materials Survey Report (see Attachment A) as lead-containing surface coatings (LCSCs) require that contractors performing activities that will disturb these surfaces/materials comply with the requirements of 8 CCR 1532.1. These surfaces were identified in the above-referenced report to have detectable levels of lead, at concentrations less than 1.0 mg/cm2 lead (the LBP standard) by X-Ray fluorescence.

F. Contractor shall utilize employees with HAZWOPER training, as outlined in 29 CFR 1910.120 and 8 CCR 5192, when handling all õotherò hazardous materials, including fluorescent light ballasts and tubes, mercury switches, refrigerants, batteries, and the like. As part of the abatement procedures abatement contractors shall also be responsible for the disposal/recycling and/or removal of universal waste materials such as fluorescents light tubes, PCB ballasts, Mercury thermostat switches, refrigerants, assumed present throughout the facilities and scheduled for demolition based on project demolition & specification plans/drawings.

G. The Abatement Contractor shall be responsible for all disturbance, spot removal or impact, removal and proper disposal of asbestos/lead containing materials, demolition/ removal/impact or lead stabilization of lead containing materials, Removal/disposal of Universal Waste Miscellaneous Hazardous Materials and preparations of painted surfaces as they may apply for demolition and deemed necessary in conformity with the Project Building Plans, Project Specifications & The Asbestos & Lead Inspection Report provided as Attachment A to this Section 02080, including equipment which is specified, shown or reasonably implied for the removal, transport, and disposal of the Asbestos and Lead materials identified in the Tables below.

North Snack Bar/Restroom Building (Visitors)

POSITIVE ASBESTOS CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
No Asbestos Containing materials impacted in this scope		
POSITIVE LEAD-BASED CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
White metal water fountain	Visitorõs restroom	1 ea
Grey wood column	Visitorõs restroom	225 ln ft
White metal sink	Visitorõs restroom	1 ea
White metal urinal	Visitorõs restroom	1 ea

*The listed quantities, materials, and locations are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in removing the materials as identified in the asbestos and lead Materials Inspection Report and based on the demolition- modernization plans, and provided project specification & Drawings.

South Snack Bar/Restroom Building (Home)

POSITIVE ASBESTOS CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
No Asbestos Containing materials impacted in this scope		
POSITIVE LEAD-BASED CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
White metal water fountain	Visitorôs restroom	1 ea
White metal sink	Visitorôs restroom	1 ea
White metal urinal	Visitorôs restroom	1 ea

*The listed quantities, materials, and locations are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in removing the materials as identified in the asbestos and lead Materials Inspection Report and based on the demolition- modernization plans, and provided project specification & Drawings.

Announcer Booth

POSITIVE ASBESTOS CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
Door Frame Caulking	Announcerôs Booth Building: Exterior/ Interior	12 sq ft
12ò x 12ò White Floor Tile, Mastic	Announcerôs Booth Building: Interior	300 sq ft
POSITIVE LEAD-BASED CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**

*The listed quantities, materials, and locations are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in removing the materials as identified in the asbestos and lead Materials Inspection Report and based on the demolition- modernization plans, and provided project specification & Drawings.

Transformer Buildings

POSITIVE ASBESTOS CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
Gray Penetration Mastic	Transformer Room Buildings (Visitors and home bleachers): Roof	16 sq ft
POSITIVE LEAD-BASED CONTAINING MATERIALS		
MATERIAL	**LOCATION OF MATERIAL**	**ESTIMATED TOTAL QUANTITY**
Grey ceiling beams	Transformer rooms (Visitors and home bleachers): ceilings	900 sq ft

*The listed quantities, materials, and locations are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in removing the materials as identified in the asbestos and lead Materials Inspection Report and based on the demolition- modernization plans, and provided project specification & Drawings.

Underground Utility

POSITIVE ASBESTOS CONTAINING MATERIALS		
Building Component	**Location Of Material**	***Estimated Quantity**
4òAsbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	1000 ln ft (1,047 sq ft) Work to be performed under SCAQMD Procedure 5 document
3òAsbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	500 ln ft (393 sq ft) Work to be performed under SCAQMD Procedure 5 document
2òAsbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	500 ln ft (262 sq ft) Work to be performed under SCAQMD Procedure 5 document
Asbestos coal tar wrap gas line	Anticipated below grade	10 sq ft Work to be performed under SCAQMD Procedure 5 document

*The listed quantities, materials, and locations are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, scope of impact, quantity and degree of difficulty in removing the materials as identified in the asbestos and lead Materials Inspection Report and based on the demolition- modernization plans, and provided project specification & Drawings.

H. The Contractor shall be responsible for all excavation, abatement and removal of any all underground cement pipe in the provided SCAQMD Procedure 5 plan. Contractor shall coordinate excavation procedures and responsibility with the general contractor in accordance to bidding documents and designated scope of work. Procedure 5 Plan must be submitted 14 calendar days prior to the commencement of work. P20172.N16 ï Procedure 5 Draft Plan is provided as a separated document attachment B of Section 02080 of this document.

I. The Work includes the removal, transport, and disposal of the following contaminated materials.

1. All hazardous materials identified in the table in Article 1.2.G, above.
2. All Universal waste components hereby assumed including but not limited to:
   - PCB light Ballast, as found on site
   - Fluorescent Light Bulbs as found on site
   - Mercury Switches/thermostats as found on site
   - Freon/refrigerant from HVAC units as found onsite
3. All materials used for work area preparation.
4. All discarded personnel protective equipment.
5. All other potentially contaminated materials.

J. Other items of work shall include:

1. As per agreement between Contractor and Owner.

K. Furnishings, cabinets, moveable objects, and equipment temporarily removed to gain access to hazardous materials shall be reinstalled to original location upon completion of work, unless other arrangements and approval have been provided by the Owner.

L. Damages caused during the performance of abatement activities shall be repaired by Contractor (e.g. paint peeled off by barrier tape, nail holes, water damage, etc.) at no additional expense to Owner, unless other arrangements and approval have been provided by the Owner.

M. Listed quantities are for budgetary information and are not to be used for bidding purposes. The abatement contractor has the sole responsibility for confirming the location, quantity and degree of difficulty in removing the identified materials.

N. Contractor to review specifications and coordinate all demolition, disturbance, and/or spot abatement of asbestos and lead containing items as necessary to complete demolition/modernization activities, including removal and disposal of miscellaneous hazardous materials according to all federal, state, and local regulations.

O. Contractor is responsible to provide adequate lead-based paint stabilization procedures, including but not limited to pain chip removal, feathering of surfaces, wet sanding surface, and otherwise preparing a smooth surface for repainting.

P. Contractor shall be responsible to provide an adequate paint encapsulant and primer for repainting once surfaces have been prepared for repainting. Contractor to coordinate with painting contractor to provide and acceptable surface which the paint contractor will approve.

Q. Contractor is responsible for characterization of lead waste prior to waste being transported off site. All waste characterization samples must be taken under the supervision of the onsite consultant. Characterization sample results must be submitted to the District for review prior to waste being transported off site.

R. Contractor to provide submittal for paint encapsulant for approval by paint contractor and/or provide encapsulant suitable as approved by the painting contractor for use. Submittal must be provided 14 days prior to commencement of work to allow for chemical approval.

1.3 WORK TO BE PERFORMED BY OTHERS

A. As per Project Specifications.

1.4 RESPONSIBILITIES OF OWNER

A. The Owner will provide daily oversight of and environmental monitoring surrounding the abatement/removal operations.

B. The Owner will provide existing water, at no cost to the Contractor, for construction purposes.

C. The Owner will provide existing electrical power, at no cost to the Contractor, for construction purposes.

D. The abatement contractor shall coordinate with the Owner and/or school representatives for the location of equipment storage, staging and waste storage locations.

1.5 REQUIRED LICENSURE

A. Contractor shall be licensed by the State of California, Contractors State License Board and be registered to perform asbestos related work with the Division of Occupational Safety and Health, Department of Industrial Relations. At a minimum contractor shall hold the following license classifications:

1. License with ASB - Asbestos Certification and Haz-Mat Certification

B. Transportation of Friable and Non-Friable Asbestos Containing Materials: Contractor shall itself be or have a subcontractor who is a registered hazardous waste transporter with the State of California, Department of Toxic Substances Control.

C. Subcontractors shall hold all licenses applicable to specified trade work.

1.6 PERMITS

A. As required by Cal/OSHA.
B. As required by the South Coast Air Quality Management District.
C. As required by local agencies for specific tasks (i.e., electrical permit for temporary power, etc.).

1.7 NOTIFICATIONS

A. Contractor shall make all required written notifications to regulatory agencies including the following:

1. California Division of Occupational Safety and Health (Cal/OSHA)
2. South Coast Air Quality Management District (SCAQMD)
3. Department of Health Services (Cal/CDPH)
4. LA County Fire Department Permit

1.8 INSURANCE REQUIREMENTS

A. As per Project Specifications.

1.9 BONDING REQUIREMENTS

A. Please refer to District General Conditions and Requirements from Purchasing.

1.10 PROJECT SCHEDULE

A. Project Start Date: TBD Project Completion Date: TBD

B. All work shall be performed as per agreement between Contractor and Owner.

C. For the purposes of this Work Plan "submittal due date" shall mean the day on which submittals required by Article 1.12 shall be received by the Construction Manager, "start work" shall mean the day Contractor arrives on the project site, and "completion date" shall mean the day Contractor leaves the project site including final clearance testing and demobilization.

D. Contractor to indicate the number and duration of shifts required to perform abatement monitoring as part of the bid document. Costs associated with hazardous materials abatement monitoring, beyond those pertaining to the project duration indicated in the Contractorôs Bid, shall be deducted from Contractorôs Contract Amount.

1.11 APPLICABLE REGULATIONS

A. Contractor shall perform all Work in compliance with the most recent edition of all applicable federal, state, and local regulations, standards and codes governing asbestos abatement, transport, and disposal of asbestos containing/contaminated materials, lead-based/containing surface coatings and contaminated materials, and all other hazardous materials.

1. Requirements include obtaining permits, licenses, inspections, releases and similar documentation, as well as payments, statements and similar requirements associated with codes, regulations, and standards.

B. Regulations, Standards, and Codes (General):

1. General applicability of federal, state, and local regulations, standards and codes governing hazardous materials abatement, demolition, transport, and disposal, except to the extent that more explicit or more stringent requirements are written directly into the contract documents, all applicable regulations, standards, and codes have the same force and effect and are made a part of the contract documents as if copied directly into the contract documents, or as if published copies are bound herewith.

C. Contractor Responsibility: The Contractor shall assume full responsibility and liability for the compliance with all applicable federal, state, and local regulations pertaining to work practices, transport, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site.

1. The contractor is responsible for providing training, medical examinations and maintaining training/medical records of personnel as required by the applicable federal, state, and local regulations, including personal air monitoring for all work practices.

2. The Contractor shall hold the Owner and ENCORP harmless for failure to comply with any applicable hazardous materials abatement, transport, disposal, safety, health or other regulation on the part of himself, his employees, or his subcontractors.

1.12 SUBMITTALS

A. No later than five days prior to commencement of work, Contractor shall submit (six copies) to ENCORP, the District Environmental Consultant, documentation that includes, without limitation, the following:

1. Current Copies of licenses and registrations required by Article 1.5 Required Licensure (include copies of subcontractorsô licenses).

2. Copies of written notification to the following regulatory agencies:

   a. California Division of Occupational Safety and Health (Cal/OSHA)
   b. South Coast Air Quality Management District (SCAQMD)
   c. Department of Health Services (Cal/CDPH)

3. Current Proof of insurance coverage required by Article 1.8 Insurance Requirements (include proof of insurance for subcontractors).

4. Current Proof that required permits, site location and arrangements for transport and disposal of asbestos containing waste materials have been made.

5. Current Proof of legal right to use patented equipment or processes.

6. Current Manufacturer's certification that HEPA vacuums, differential pressure air filtration devices and other local exhaust ventilation equipment conform to ANSI Z9.2-79 and have been permitted by the SCAQMD.

7. Current Documentation showing that Contractor's employees, including foreman, supervisor, and any other company personnel or agents who may be exposed to airborne asbestos fibers or who may be responsible for any aspects of asbestos abatement activities, have received training as required by 29 CFR 1926.1101 and 8 CCR 1529.

8. Current Documentation showing that Contractor's employees, including foreman, supervisor, and any other company personnel or agents who may be exposed to airborne lead dust or who may be responsible for any aspects of lead abatement activities, have received training as required by 29 CFR 1926.62 and 8 CCR 1532.1.

9. Current Documentation from Physician (signed by an M.D.) showing that all employees or agents who may be exposed to airborne asbestos fibers in excess of background levels have received medical monitoring to determine whether they are physically capable of working while wearing the respirator required without suffering adverse health effects. The Contractor must be aware of and provide information to the examining physician about unusual conditions in the workplace environment (e.g. high temperatures, humidity, chemical contaminants) that may impact on the employee's ability to perform work activities.

10. Current Documentation of respirator fit-testing for all Contractor employees and agents who must enter the work area. This fit-testing shall be conducted annually and in accordance with procedures as required by 29 CFR 1910.134 and 8 CCR 5144.

11. An emergency preparedness plan as required by Article 1.15 - Emergency Planning.

12. Master schedule, showing phasing, number of shifts, time for air clearances, tear down and manpower loading to be utilized for the duration of the project.

13. A site specific work plan based on scope of work. Include a diagram showing containment set-up, decontamination unit(s), location of negative air machine and exhaust placement.

B. Following abatement activities and completion, Contractor shall submit to ENCORP documentation that includes, without limitation, the following (within 15 calendar days):

1. Copies of the work area entry/exit log book. Log book must record name, affiliation, time in, and time out for each entry into the work area.

2. Copies of logs documenting filter changes on respirators, HEPA vacuums, differential pressure air filtration devices, water filtration device, and other engineering controls.

3. Copies of Material Safety Data Sheets (MSDS) for solvents, encapsulants, wetting agents, replacement materials, and other substances brought by Contractor to the Project Site. MSDSs shall be available the first day that subject materials/substances are present on the project site.

4. Results of all required OSHA compliance air monitoring. Results shall be available prior to the start of the following shift and within 24 hours of completion of the last shift.

5. Copies of all accident/incident reports where injury or damage has occurred on or to the Owner's property.

6. Copies of daily logs indicating location(s) worked, type of materials removed, quantity of materials removed and number of personnel conducting the aforementioned activities.

7. Copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the work area within 48 hours of the transport, to:

A. ENCORP
16700 Valley View Ave, Suite 100
La Mirada, California 90638
Attn: Alexander Blankevoort

8. Abatement contractor is responsible for profiling all waste streams at the start of the project. Results must be submitted to the ENCORP for verification of proper disposal.

1.13 NOTICES

A. Post in the clean room area of the worker decontamination enclosure a list containing the names, and telephone numbers of Owner, Construction Manager, Abatement Contractor, and ENCORP.

B. Post in the clean room area of the worker decontamination enclosure a list of all persons authorized to enter the work area.

C. Additional postings shall include:

1. Visitor Entry and Exit Log.
2. Employee Daily Sign in Log.
3. Entry and Exit Procedures.
4. Emergency Procedures.
5. Copies of permits required in Article 1.6 of this document and copies of notifications required in Article 1.7 of this document.
6. As required by the Department of Labor.

1.14 SITE USE AND SECURITY

A. Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond which areas on which work is indicated are not to be disturbed.

B. The work area shall be restricted only to authorized, trained and protected personnel, including Contractor, Contractor's employees, Owner employees, Owner, Construction Manager, ENCORP, State and Local Inspectors.

C. Entry into the work area by unauthorized individuals shall be reported immediately to the ENCORP.

D. Contractor shall be responsible for Project site security during abatement operations in order to protect work efforts and equipment.

1.15 EMERGENCY PLANNING

A. Emergency planning and procedures shall be developed by Contractor prior to abatement initiation.

B. Emergency procedures shall be in written form and prominently posted. Contractor shall ensure that all persons entering the work area read these procedures and understand the Project site layout, location of emergency exits and emergency procedures.

C. Emergency planning shall include considerations of fire, explosion, electrical hazards, slips, trips and falls, confined spaces, school emergencies and heat related injury. Written procedures shall be developed and employee training in procedures shall be provided by Contractor.

D. Employees shall be trained in evacuation procedures in the event of work place emergencies.

1. For non-life-threatening situations, employees injured or otherwise incapacitated shall decontaminate following normal procedures with assistance from fellow workers, if necessary, before exiting the work place to obtain proper medical treatment.

2. For life-threatening injury or illness, worker decontamination shall take least priority. After measures to stabilize the injured worker, remove him from the work place and secure proper medical treatment.

3. Telephone numbers of all emergency response personnel and map to closest hospital shall be prominently posted in the clean and equipment rooms.

1.16 FIRE PROTECTION

A. All plastic, spray-on strippable coatings, and structural materials used in the asbestos abatement process shall be UL-approved and certified as fire retardant or noncombustible.

B. Wood shall be pressure impregnable and certified as fire retardant.

C. Material Safety Data Sheets (MSDS) for fire retardant materials shall be made available upon request.

D. All combustible rubbish and debris, including properly bagged asbestos shall be properly disposed of at the end of each working day.

E. A minimum of one (1) 4A/60BC dry-chemical extinguisher shall be maintained at each of the following locations:

1. At each corner of the work area. Where no clear corners exist, four (4) extinguishers shall be placed around the exterior wall of the work area so that they are approximately 25 percent of the total distance apart.

a. Exception: Where total contained work area is less than 1,000 square feet, two (2) 4A/60BC extinguishers shall be provided. All extinguishers shall be clearly identified with red tape.

2. Contractor shall ensure that on site personnel are aware of the location and proper use of all extinguishers and other fire/life safety equipment.

F. All existing fire detection, alarm systems, connections and standpipes shall remain in place, active and unobstructed. Any alteration to this equipment must be approved by ENCORP.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Generally, Contractor shall carefully adhere to the following:

1. All plastic, spray-on strippable coatings and structural materials used shall be UL-certified as fire retardant or non-combustible.

2. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and brand name (where applicable).

3. Fire-retardant polyethylene sheeting utilized for worker decontamination and construction/containment barriers shall be a minimum of six-mil in thickness.

4. Disposal bags shall be of six-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (l) (iv) or applicable Cal/OSHA requirements.

5. Stick-on labels as per EPA or Cal/OSHA requirements for disposal drums.

6. Warning signs as required by Cal/OSHA shall be utilized.

7. Disposal drums shall be 55-gallon DOT A1A (DOT 17H) with locking ring tops and will meet the requirements of 49 CFR 172-178.

B. Removal and Encapsulation:

1. Surfactant (wetting agent) shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in proportion of 1 fluid once to 5 gallons.

2. The encapsulating agent to be applied shall adhere to the substrate surfaces from which asbestos-containing material has been stripped.

3. The encapsulating agent shall not be flammable and should not be solvent-based or utilize a vehicle (the liquid in which the solid parts of the encapsulant are suspended) consisting of hydrocarbon.

4. If utilized, mastic removal solvents shall ***NOT*** be or create a RCRA waste, and shall be of the low odor variety.

C. Replacement:

1. Submit manufacturers certification indicating that replacement materials (if used) do not contain asbestos or more than 600 parts per million (dry weight) of lead.

2.2 EQUIPMENT

A. General:

1. A sufficient quantity of HEPA vacuums and/or differential pressure air filtration devices equipped with HEPA filtration and operated in accordance with ANSI Z9.2-79 (local exhaust ventilation requirements) and EPA guidance document EPA 560/5-83-002 Guidance for Controlling Friable Asbestos Containing Materials in Buildings. To calculate total air flow requirement:

$$\text{Total ft}^3\text{/min} = \frac{\text{Vol. of work area (in ft}^3\text{)}}{\text{15 min}}$$

To calculate the number of units needed for the abatement:

$$\text{Number of units needed} = \frac{\text{[total ft}^3\text{/min]}}{\text{[capacity of unit in ft}^3\text{/min]}}$$

2. At a minimum, full-face powered air-purifying respirators (PAPRs) with P-100 cartridges shall be utilized during all friable/Class I asbestos removal and for all removal of lead-containing paints/substances involving abrasive removal techniques.

3. At a minimum, half-face air-purifying respirators with P-100 cartridges shall be utilized during all ceramic tile or lead-containing paint removal/impact except abrasive removal, or for the removal of all non-friable/Class II asbestos removal.

4. Respirators shall be furnished to the abatement workers by Contractor. The respirators shall have been tested and approved by National Institute of Occupational Safety and Health (NIOSH) for use in asbestos atmospheres.

5. Full body disposable protective clothing, including head, body, and foot coverings shall be furnished to visitors in sizes adequate to accommodate movement without tearing.

6. Additional safety equipment as supplied in accordance with 8 CCR 1514, (e.g. hard hats meeting the requirements of 8 CCR 1515, eye protection meeting the requirements of 8 CCR 1516, safety shoes meeting the requirements of 8 CCR 1517, hand protection meeting the requirements of 8 CCR 1520, hearing protection meeting the requirements of 8 CCR 1521 and body protection meeting the requirements of 8 CCR 1522), as necessary, shall be furnished to all workers and authorized visitors.

7. Non-skid foot wear shall be furnished to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.

8. Furnish a sufficient supply of disposable mops, rags, and sponges for work area decontamination.

B. Removal:

1. A sufficient supply of scaffolds, ladders, lifts and hand tools (e.g., scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be furnished as needed.

2. Rubber dustpans and rubber squeegees shall be furnished for cleanup.

3. Brushes utilized for removing loose asbestos-containing material shall have nylon or fiber bristles, not metal.

4. A sufficient supply of HEPA filtered vacuum systems shall be furnished during cleanup.

C. Encapsulation: Encapsulants shall be sprayed using airless spray equipment or hand pressurized sprayer.

D. Enclosure: Hand tools equipped with HEPA filtered local exhaust ventilation shall be utilized during the installation of enclosures and supports if there is any need to disturb asbestos containing materials during this process. As an alternative asbestos material may be partially removed following controlled removal procedures approved by the ENCORP.

PART 3 - EXECUTION

3.1 CLASS I ASBESTOS REMOVAL WORK

The following procedures shall be utilized for all removal of friable and/or Class I ACM, and from non-friable ACM utilizing mechanical removal methods from all impacted buildings.

A. Contractor shall coordinate all items of work with the ENCORP.

B. Contractor shall shut down and lock out all heating, cooling, and air conditioning system (HVAC) components that are in supply or pass through the work area. In the event that there is any impact to the HVAC system (such as an air intake), the HVAC system shall remain off during the project.

C. Contractor shall shut down and lock out electric power to all Work Areas. Contractor shall provide temporary power and lighting sources, insure safe installation of temporary power sources and equipment by compliance with all applicable electrical code requirements and Cal/OSHA requirements for temporary electrical systems. Protect each circuit with a Ground Fault Circuit Interrupter (GFCI) of proper size located in the temporary panel.

D. Install worker decontamination unit described in Article 3.7 or as agreed upon with ENCORP.

E. Post warning signs meeting the specifications of 8 CCR 1529, 8 CCR 5208, and 29 CFR 1926.1101, at any location and approaches to a location where airborne concentration of asbestos fibers may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure.

F. Asbestos Handlers shall don personnel protective equipment as required in Article 2.2 - Equipment.

G. Pre-clean all vertical and horizontal surfaces within the work area using a HEPA-filtered vacuum and/or wet cleaning techniques, as appropriate. Contractor shall not use any methods that would raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters, and shall not disturb asbestos-containing materials during the pre-cleaning phase.

H. Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grills, grates, diffusers, skylights and any other openings between the Work Area and uncontaminated areas outside of the Work Area with two layers six-mil fire retardant polyethylene sheeting and tape.

I. Cover floors in the area, as follows (cover floors where flooring finishes, such as floor tile and/or mastic, are to be removed, during Class I activities).

1. Two layers of six-mil (minimum) sheeting. Additional layers of sheeting may be utilized as a drop cloth to aid in cleanup of bulk materials, and/or to ensure protection from water leaks.

2. Containment plastic shall be sized to minimize seams. If the floor area necessitates seams, those on successive layers of sheeting shall be staggered to reduce the potential for water to penetrate to the flooring material. A distance of at least 6 feet between seams is sufficient. Do not locate any seams at wall/floor joints.

3. Floor sheeting shall extend at least 12" up the side walls of the Work Area.

4. Sheeting shall be installed in a fashion so as to prevent slippage between successive layers of material.

J. Cover all immovable items (plumbing, etc.) and/or construct walls in the Work Area with fire retardant polyethylene sheeting and seal with duct tape. Walls that will be demolished do not necessarily need protection (check with ENCORP). Walls shall be decontaminated using HEPA vacuums and wet cleaning techniques. Walls with mortar joints (e.g., tile) are considered porous. Openings through these walls, including louvers in Mechanical Rooms, must be sealed by critical barriers.

1. Walls shall be covered with two layers six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).

2. Plastic shall be sized to minimize seams. Seams shall be staggered and separated by a distance of at least six feet.

3. Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal against water damage and for negative pressure.

4. Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This will require additional support/attachment when Negative Pressure Ventilation Systems area utilized.

5. Where necessary for structural support, plywood sheeting and/or 2x4 lumber shall be utilized to ensure the structural integrity of the containment and critical barriers.

6. Fire exits shall be clearly labeled as required by Regulations.

K. Install the minimum number of 2' x 3' clear view windows that will provide visual access to ALL areas of each enclosure.

L. Install and initiate operation of negative pressure air filtration differential as required in Article 2.2 - Equipment. Negative pressure differential shall be at a minimum of -0.02" of water column at all times during asbestos removal operations.

M. Install and maintain a manometer equipped with a strip chart recorder. Manometer shall be capable of detecting at least 0.02" of water column.

N. The Contractor shall carry out all asbestos removal activities in a manner that will minimize pulverizing, breaking or creation of dust. Generally, manual removal methods will be preferred, although larger systems, such as power washers, are acceptable, as long as they are equipped with proper HEPA-filtration equipment and do not create an undue hazard.

O. Keep the ACMs being removed wet throughout removal operations by the use of an airless sprayer. In the event that visible dust is generated during the abatement process, also mist the air within containment periodically with water or an amended water solution with an airless sprayer to reduce airborne asbestos fiber concentrations.

P. Once all removal activities have been completed, clean-up of the work areas shall be conducted in accordance with Article 3.6 - Clean-Up.

Q. Encapsulate entire work area with a penetrating and/or lock-down type encapsulant following acceptance of clean-up activities.

R. Dispose of all asbestos containing/contaminated waste in accordance with Article 3.8 - Disposal Procedures.

3.2 CLASS II ASBESTOS REMOVAL WORK - GENERAL

The following procedure shall be utilized for all removal of non-friable/Class II ACM from all impacted buildings. This type of work shall include, but not be limited to asbestos-containing mastics, vinyl flooring finishes, asbestos cement pipes and panels, and joint compound associated with wallboard systems. Class II removal of roofing products is addressed in Article 3.2.1, below.

A. Contractor shall coordinate all items of work with the ENCORP.

B. Contractor shall shut down and lock out all heating, cooling, and air conditioning system (HVAC) components that are in supply or pass through the work area. In the event that there is any impact to the HVAC system (such as an air intake), the HVAC system shall remain off during the project.

C. Contractor shall shut down and lock out electric power to all Work Areas. Contractor shall provide temporary power and lighting sources, insure safe installation of temporary power sources and equipment by compliance with all applicable electrical code requirements and Cal/OSHA requirements for temporary electrical systems. Protect each circuit with a Ground Fault Circuit Interrupter (GFCI) of proper size located in the temporary panel.

D. Install worker decontamination unit described in Article 3.7 or as agreed upon with ENCORP.

E. Post warning signs meeting the specifications of 8 CCR 1529, 8 CCR 5208, and 29 CFR 1926.1101, at any location and approaches to a location where airborne concentration of asbestos fibers may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure.

F. Asbestos Handlers shall don personnel protective equipment as required in Article 2.2 - Equipment.

G. Pre-clean all vertical and horizontal surfaces within the work area using a HEPA-filtered vacuum and/or wet cleaning techniques, as appropriate. Contractor shall not use any methods that would raise dust, such as dry sweeping or vacuuming

with equipment not equipped with HEPA filters, and shall not disturb asbestos-containing materials during the pre-cleaning phase.

H. Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grills, grates, diffusers, skylights and any other openings between the Work Area and uncontaminated areas outside of the Work Area with two layers six-mil fire retardant polyethylene sheeting and tape.

I. Cover floors in the area of vapor barrier removal with fire retardant polyethylene sheeting (do not cover floors where flooring finishes, such as floor tile and/or mastic, are to be removed).

1. A single layer of six-mil (minimum) sheeting. Additional layers of sheeting shall be utilized as a drop cloth to aid in cleanup of bulk materials.

2. Containment plastic shall be sized to minimize seams. If the floor area necessitates seams, those on successive layers of sheeting shall be staggered to reduce the potential for water to penetrate to the flooring material. A distance of at least 6 feet between seams is sufficient. Do not locate any seams at wall/floor joints.

3. Floor sheeting shall extend at least 12" up the side walls of the Work Area.

4. Sheeting shall be installed in a fashion so as to prevent slippage between successive layers of material.

J. Cover all immovable items (plumbing, etc.) and/or construct walls in the Work Area with fire retardant polyethylene sheeting. Walls that will be demolished do not necessarily need protection (check with ENCORP). Walls shall be decontaminated using HEPA vacuums and wet cleaning techniques. Walls with mortar joints (e.g., tile) are considered porous. Openings through these walls must be sealed by critical barriers.

1. Walls shall be covered with two layers six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).

2. Plastic shall be sized to minimize seams. Seams shall be staggered and separated by a distance of at least six feet.

3. Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal against water damage and for negative pressure.

4. Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This will require additional support/attachment when Negative Pressure Ventilation Systems area utilized.

5. Fire exits shall be clearly labeled as required by Regulations.

K. Install the minimum number of 2' x 3' clear view windows that will provide visual access to ALL areas of the enclosure.

L. Install and initiate operation of negative pressure air filtration differential as required in Article 2.2 - Equipment. Negative pressure differential shall be at a

minimum of -0.02" of water column at all times during asbestos removal operations.

M. Install and maintain a manometer equipped with a strip chart recorder. Manometer shall be capable of detecting at least 0.02" of water column.

N. The Contractor shall carry out all asbestos removal activities in a manner that will minimize pulverizing, breaking or creation of dust. Generally, manual removal methods will be preferred, although larger systems, such as bead-blasters for mastic removal activities, are acceptable, as long as they are equipped with proper HEPA-filtration equipment.

O. Keep the ACMs being removed wet throughout removal operations. In the event that visible dust is generated during the abatement process, also mist the air within containment periodically to reduce airborne asbestos fiber concentrations.

P. Once all removal activities have been completed, clean-up of the work areas shall be conducted in accordance with Article 3.6 - Clean-Up.

Q. Encapsulate entire work area with a penetrating and/or lock-down type encapsulant following acceptance of clean-up activities.

R. Dispose of all asbestos containing/contaminated waste; debris shall be kept wet at all times and be bagged while wet in accordance with Article 3.8 - Disposal Procedures.

3.3 PROCEDURE 5 PLAN WORK - GENERAL

The following procedure shall be utilized for the removal and/or clean procedures required under the procedure 5 plan.

A. Contractor shall coordinate all items of work with the ENCORP.

B. The Contractor shall submit the provided Procedure 5 Plan, contamination report, and associated documents to the South Coast Air Quality Management District at least 14 Calendar days prior to the commencement of work.

C. Procedure 5 Plan work shall be strictly adhere to in conjunction with the provided specifications, demolition, and District provided contract documents.

D. Contractor shall shut down and lock out all heating, cooling, and air conditioning system (HVAC) components that are in supply or pass through the work area. In the event that there is any impact to the HVAC system (such as a fresh air intake), the HVAC system shall remain off during the project.

E. Contractor shall shut down and lock out electric power to all Work Areas. Contractor shall provide temporary power and lighting sources, ensure safe installation of temporary power sources and equipment by compliance with all applicable electrical code requirements and Cal/OSHA requirements for temporary electrical systems. Protect each circuit with a Ground Fault Circuit Interrupter (GFCI) of proper size located in the temporary panel.

F. Install worker decontamination unit described in Article 3.7 or as agreed upon with ENCORP. If installation cannot occur on the roof, installation shall occur as close to the roof access as possible, with polyethylene sheeting laid-down between the decontamination unit and the roof access.

G. Post warning signs meeting the specifications of 8 CCR 1529, 8 CCR 5208, and 29 CFR 1926.1101, at any location and approaches to a location where airborne concentration of asbestos fibers may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure (generally, at roof accesses, or at least twenty feet from removal, if on roof).

H. Asbestos Handlers shall don personnel protective equipment as required in Article 2.2.A. Double-suiting is recommended if decontamination unit is not on roof.

I. Pre-clean all vertical and horizontal surfaces within the work area using a HEPA-filtered vacuum and/or wet cleaning techniques, as appropriate. Generally, this will include roof-mounted duct work and equipment only; there is no need to pre-clean surfaces to be removed. Contractor shall not use methods that would raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters, and shall not disturb asbestos-containing materials during the pre-cleaning phase.

J. Seal off all windows, doorways, drains, ducts, skylights, roof penetrations, and any other openings between the Work Area and uncontaminated areas outside of the Work Area with six-mil fire retardant polyethylene sheeting and tape.

K. Cover all immovable items (plumbing, etc.) and/or construct walls around immovable objects with fire-retardant polyethylene sheeting. Walls, where present, shall be decontaminated using HEPA vacuums and wet cleaning techniques. Walls with mortar joints (e.g., tile) are considered porous. Openings through these walls must be sealed by critical barriers.

1. Walls shall be covered with six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).
2. Plastic shall be sized to minimize seams. Seams shall be staggered and separated by a distance of at least six feet.
3. Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal against water damage and for negative pressure.
4. Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This will require additional support/attachment when Negative Pressure Ventilation Systems area utilized.
5. Fire exits shall be clearly labeled as required by Regulations.

L. The Contractor shall carry out all asbestos removal activities in a manner that will minimize pulverizing, breaking or creation of dust. Generally, manual removal methods will be preferred, although larger systems, such as mechanical shears for cutting membranes into strips, are acceptable, as long as they are equipped with proper shrouding and HEPA-filtration equipment.

M. Keep the ACMs being removed wet throughout removal operations. In the event that visible dust is generated during the abatement process, also mist the air within regulated area periodically to reduce airborne asbestos fiber concentrations.

1. Bags of asbestos waste shall not be dropped or thrown from the roof, but carefully lowered to the ground.

N. Once all removal activities have been completed, clean-up of the work areas shall be conducted in accordance with Article 3.6 - Clean-Up.

O. Encapsulate entire work area with a penetrating and/or lock-down type encapsulant following acceptance of clean-up activities.

P. Dispose of all asbestos containing/contaminated waste in accordance with Article 3.8 - Disposal Procedures.

3.3 CLASS III ASBESTOS DISTURBANCE

Asbestos-related disturbance is the drilling, coring, removal or similar disturbance of asbestos-containing construction materials (ACCM) or asbestos-containing materials (ACM) not to exceed three (3) square feet in any one opening and not to disturb 100 square feet or greater cumulatively on any one project (contract). Asbestos-related disturbance work is considered to be Class III work in accordance with Title 8, Section 1529 (Asbestos) of the California Code of Regulations. In the event that disturbance greater than 3 square feet or 100 square feet total is required, the asbestos-related work shall be considered Class I or Class II asbestos abatement and require the use of an asbestos abatement contractor using 40-hour asbestos-trained workers and notification to the South Coast Air Quality Management District (SCAQMD) per Rule 1403, as required, (See Sections 3.1, 3.2, and 3.3 of this specification).

A. Minor disturbance activities must be performed, at a minimum, by personnel possessing current 16-hour asbestos operations and maintenance (O & M) training. ACM waste must be disposed of as hazardous asbestos-containing waste. ACCM waste generated during minor disturbances can be disposed of as non-regulated construction waste.

B. The buildings will have ACM or ACCM impacted by drilling and coring during the planned Modernization Project.

C. Shut off air handling equipment to rooms where work will occur.

D. Demarcate the work area with plastic ñCautionò tape. Provide and post signs at the entrance to the work area affected. The signs shall comply with Cal/OSHA regulations.

E. Clean the area immediately under the location to be disturbed.

F. Move any moveable furniture or objects from immediately beneath the area to be disturbed.

G. At a minimum, 6-mil plastic sheeting shall be placed on the floor below the work area. The plastic sheeting will be secured to the closest wall and floor surface with tape. The plastic sheeting shall extend away from the work area a sufficient distance so that debris is confined to the plastic and that debris is not tracked onto adjoining flooring or carpeted surfaces.

H. For Class III disturbances requiring the cutting of an opening of 1 square foot or greater, but less than 3 square feet, through ACM or ACCM, or into an asbestos-contaminated space, provide an enclosure around the area of disturbance. This may include, but is not limited to:

1. Mini-enclosure where not more than two persons may occupy for the purpose cutting holes in walls or ceilings.

2. For drilling, coring, sawing or similar disturbance, an enclosure shall be placed over the area of disturbance of sufficient size to cover that area and contain the tools used. This can include drilling with a shroud, through a wet sponge, through a plastic enclosure, or similar designs which will ensure control of Asbestos fibers and other dust. Drilling or coring with the use of a vacuum collection device shall be equipped with a HEPA filter.

I. A HEPA-equipped vacuum shall be used for all disturbance, decontamination, and debris clean-up work.

3.4 LBP/LCP IMPACTS – LEAD MATERIAL IMPACTS

This section applies to the removal, stabilization, preparation for painting, and lead-related construction of lead-based paints and/or the demolition of components coated with lead-based or lead-containing surface coatings, including lead-based paints, ceramic tiles with leaded glazing, and other such materials.

A. Post warning signs meeting the specifications of 8 CCR 1532.1 and 29 CFR 1926.62 at any location and approaches to a location where airborne concentrations of lead dust may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from a work area to permit a person to read the sign and take necessary protective measures to avoid exposure. Barrier tape shall be utilized in conjunction with signs for exterior removal activities, to delineate the extent of regulated work areas.

For Exterior work: Place lead caution tape around perimeter of work area. A minimum twenty (20) foot diameter perimeter should be established.

Place a 4-mil poly drop cloth directly below work area to be impacted. Drop cloth should extend out at least 10 feet in each direction. Protect vegetation and childôs play areas with additional covers as necessary.

Vertical enclosure shall be built should drop cloths and work areas overlap into the property lines.

B. Prepare appropriate fall protection systems in accordance with the requirements of Title 8 California Code of Regulations, Sections 1669, 1670, 1724 and anchoring guidance from Title 8 California Code of Regulations, Section 3283 (where applicable).

C. Install worker decontamination unit described in Article 3.7 or as agreed upon with ENCORP.

D. Lead-containing materials (LCM) handlers involved in removal procedures shall wear disposable Tyvek suits, including gloves, hood and footwear. Minimum

respiratory protective equipment shall be half-face air-purifying respirators equipped with P100 filters. Upon exiting the work area the handlers shall HEPA vacuum all visible debris from the outer suit, dispose of it as lead-contaminated waste, and proceed through the decontamination unit for full decontamination.

E. Isolate work area by installing critical barriers or curtained doorways across all openings where airborne lead dust migration may cause secondary lead contamination (for work where components will be removed relatively intact, such as doors, downspouts, and wood trim, drop cloths will suffice).

F. Cover floors in each work with fire retardant polyethylene sheeting (do not cover floors where flooring finishes, such as ceramic flooring, for example, are to be removed).

1. A single layer of six-mil (minimum) sheeting.

2. Containment plastic shall be sized to minimize seams.

3. Where multiple layers of floor poly are utilized, sheeting shall be installed in a fashion so as to prevent slippage between successive layers of material.

G. Cover all immovable items and/or construct walls in the Work Area with fire retardant polyethylene sheeting. Walls that will be demolished do not necessarily need protection (check with ENCORP).

1. Walls shall be covered with six-mil fire-retardant polyethylene sheeting (sealed airtight with duct tape).

2. Plastic shall be sized to minimize seams.

3. Wall sheeting shall overlap floor sheeting by at least 12 inches beyond the wall/floor joint to provide a better seal for negative pressure.

4. Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This may require additional support/attachment when Negative Pressure Ventilation Systems area utilized.

5. Fire exits shall be clearly labeled with red tape or equivalent.

H. Where manual impact is employed for lead removal, such as removal of loose and flaky paint (for example), periodically mist the work area and materials to be impacted to maintain a wet condition and avoid the creation of airborne dust, which may carry lead. Wet the area to be impacted with amended water utilizing a mist sprayer. (Amended water is water that has a surfactant, such as, dish soap added to increase penetration into the material).

I. The Contractor shall carry out all impacts to lead-based surface coatings in a manner that will minimize pulverizing, breaking, abrading, or in any other way impacting lead-containing paints and generating airborne lead-containing dust.

HEPA vacuum and wet wipe all poly drop cloths and dispose of all poly in a lined disposal container.

Wet wipe and HEPA vacuum visible dust and debris in work area plus an additional 2 foot buffer beyond the 10 foot perimeter work area.

Perform visual confirmations that no visible debris, dust, paint chips, or suspected debris is visible. Re-clean as necessary.

Remove, fold, and bagged dropped cloth for disposal.

Remove warning signs and critical barriers after removal of poly drop cloths.

The District environmental consultant may inspect the work area for visible residual debris. If any accumulation of residue is observed, it will be assumed to be lead, as appropriate to the work area.

J. A final visual inspection by the District environmental consultant may be performed. Unsatisfactory conditions may require additional cleaning and wipe sampling.

K. Once all removal activities have been completed, clean-up of the work areas shall be conducted in accordance with Article 3.6 - Clean-Up.

L. Dispose of all lead-containing/contaminated waste in accordance with Article 3.8 - Disposal Procedures.

3.5 UNIVERSAL WASTE RULE IMPACTS (REFRIGERANTS, PCBs, Etc.)

This section applies to the removal of all Universal Waste Rule items, such as fluorescent light fixture ballasts, non-incandescent lamps (fluorescent light tubes), mercury switches, as well as other commonly encountered items, such as refrigerants.

A. All fluorescent light fixtures to be disposed of shall be disassembled in a non-destructive manner. All fluorescent light tubes shall be removed intact, packaged, and disposed of in accordance with Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

B. Once fluorescent light tubes have been removed from light fixtures to be disposed of, ballasts shall be visually inspected. All ballasts and/or transformers which are not clearly marked ñNo PCBsò or ñPCB Freeò shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of in accordance with Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code. Any ballast which are observed to be leaking shall be containerized, and shall be disposed via incineration as per 40 CFR 761. All other ballasts may be incinerated or recycled, in accordance with 40 CFR 761. In spite of the small capacitor variance, land disposal of PCB-containing ballasts shall not be considered an acceptable disposal method, under any circumstances.

C. Mercury switches identified in thermostat controls and/or any other electrical switching equipment to be demolished shall be removed intact, packaged, and disposed of in accordance with Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

D. All identified refrigerants shall be collected and disposed of in accordance with all applicable SCAQMD and federal EPA guidelines.

E. All other Universal Waste Rule wastes shall be removed intact, where feasible,

and shall be packaged and disposed of in accordance with Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

3.6 CLEAN-UP PROCEDURES

A. Remove and containerize all visible accumulations of asbestos-containing material, LCM, and asbestos/lead-contaminated debris utilizing rubber dust pans and rubber squeegees to move material around. Do not use metal shovels to pick up or move accumulated waste within contained work areas.

Asbestos-containing/contaminated waste shall be placed in leak tight disposal bags. Disposal bags shall be doubled six-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (l) (iv), Cal/OSHA (Title 8 CCR Sections 1529 and 5208), SCAQMD Rule 1403, and if applicable Title 22 CCR Section 66504.

Lead-containing wastes shall be containerized in 55-gallon steel drums with labels as required by 8 CCR 1532.1 and 22 CCR 66504.

All other hazardous wastes shall be containerized as appropriate and disposed of in a manner that satisfies the requirements for waste characterization and disposal in accordance with the requirements of Title 22 of the California Code of Regulations, Sections 66243, et seq., and Sections 25157.8, et al, of the California Health and Safety Code.

B. Whether cleaning an asbestos work area or a lead work area (or both), wet clean all surfaces in the work area utilizing rags, mops and sponges, and clean all horizontal surfaces within each work area with a HEPA-vacuum, as appropriate.

C. Remove the cleaned layer of polyethylene sheeting from floors and walls, as applicable. Windows, doors, HVAC system vents and all other openings (critical barriers, if employed) shall remain sealed. Dispose of as asbestos-contaminated or lead-contaminated as appropriate to the work area in question.

D. After gross cleaning of the work area, HEPA-vacuum and wet clean all objects and surfaces in the work area are completed, remove all containerized waste from the work area.

E. Decontaminate all tools and equipment and remove at the appropriate time in the cleaning sequence.

F. ENCORP will inspect the work area for visible residue. If any accumulation of residue is observed, it will be assumed to be asbestos and/or lead, as appropriate to the work area, and a second settling period and cleaning cycle repeated at no additional cost to Owner.

G. Following the satisfactory completion of clearance air monitoring or clearance wipe testing, the remaining barriers may be removed and prepared for proper disposal. A final visual inspection by ENCORP will be performed. Unsatisfactory conditions may require additional cleaning and air monitoring/wipe sampling, at no additional cost to Owner.

3.7 WORKER DECONTAMINATION SYSTEMS

A. Worker decontamination enclosure systems shall be provided at all locations where workers will enter or exit the work area. At a minimum, one three-stage system at a single location is required. Each work area where negative pressure enclosure is the selected method of engineering controls shall have a worker decontamination unit.

B. Worker decontamination enclosure systems constructed at the Project site shall utilize six-mil, fire-retardant polyethylene sheeting, or other approved materials for privacy.

C. Personnel Decontamination Units shall not be located inside the work area(s) unless specifically authorized by the ENCORP.

D. Alternate methods of providing Decontamination facilities may be submitted to the ENCORP for approval. Do not proceed with any such method(s) without the written authorization.

E. The worker decontamination enclosure system shall consist of at least a cleansing station in accordance with the requirements of 8 CCR 1527 and 8 CCR 1529, equipped with adequate water, towels and cleansing agents to accommodate the entire crew and visitors.

3.8 DISPOSAL PROCEDURES

A. All friable asbestos waste shall be disposed of as Hazardous, Friable Asbestos Waste. All non-friable asbestos waste shall be disposed of as Non-Hazardous, Non-Friable Asbestos Waste.

Contractor is responsible for characterization of lead waste prior to waste being transported off site. All waste characterization samples must be taken under the supervision of the ENCORP. Characterization sample results must be submitted to the District for review prior to waste being transported off site.

All lead waste shall be either disposed of as construction debris (if STLC/TCLP results allow) or lead-containing waste (with attendant RCRA codes, if STLC/TCLP results so require).

All asbestos-containing waste shall be placed and stored in clear, sealed, leak-tight and appropriately labeled containers, in accordance with 8 CCR 1529 and SCAQMD Rule 1403, and transported to an appropriate landfill for disposal.

B. All lead wastes shall be either disposed of as construction debris (if STLC/TCLP results allow) or lead-containing waste (with attendant RCRA codes, if STLC/TCLP results so require).

C. All hazardous wastes (including non-hazardous asbestos wastes) must be disposed of by a certified waste hauler approved by the Owner.

D. Arrange for proper disposal of any generated hazardous waste stream through an Owner-approved waste disposal facility.

E. Obtain the EPA Hazardous Waste Generator Identification Number and State of California Hazardous Waste Tax Identification Number from the Owner.

F. All hazardous waste manifests or non-hazardous material data forms shall be delivered to the ENCORP. Record keeping format shall utilize a chain of custody form which includes the names and addresses of the Generator (Owner), Contractor, Waste Hauler, pickup site, disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form shall be signed by the Generator, Contractor, Waste Hauler and the Disposal Site Operator, as the responsibility for the material changes hands.

3.9 REESTABLISHMENT OF THE WORK AREAS

A. Reestablishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented to the satisfaction of ENCORP.

B. Contractor and ENCORP shall visually inspect the work area for any remaining visible residue. Evidence of contamination will necessitate additional cleaning and air monitoring requirements at no additional cost to Owner, until approved by PEC.

C. Upon approval by ENCORP, the Contractor shall remove remaining fire retardant polyethylene sheeting, critical barriers, and decontamination unit.

D. Repair all areas of damage that occurred as a result of abatement activities at no additional cost to Owner, unless other arrangements and approval have been provided by the Owner.

3.10 ENVIRONMENTAL MONITORING

Stop work order due to deficiencies:

If, at any time, DISTRICT Representative or ENCORP decides work practices are violating Specifications, or, Federal or local regulations to extent of potential endangerment of building users, workers, DISTRICT Representative, employees or public, he will immediately notify Contractor (followed up in writing) that operations shall cease until corrective action is taken by Contractor. Contractor shall take such corrective action before proceeding with work. Loss or damage due to Stop Work Order(s) shall be Contractor's responsibility. A Stop Work Order, issued by DISTRICTôs Representative or ENCORP shall become effective immediately.

A. Air monitoring will be carried out by the ENCORP on behalf of the Owner to verify that the building beyond the contamination area and the outside environment remains uncontaminated.

B. Background Air Monitoring:

1. The ENCORP will conduct pre-abatement air monitoring to determine ambient fiber levels prior to abatement. The analytical method shall utilize Phase Contrast Microscopy (PCM) using the NIOSH 7400 Method.

C. Area Air Monitoring: The ENCORP will conduct in-progress air monitoring daily to determine area airborne contaminant concentrations within the confines of the work area.

1. Environmental Air Sampling: Ambient air samples are taken and analyzed to indicate fiber migration from containment to the environment. Should any environmental sample outside work areas exceed the base line of 0.01 f/cc of air, or established background concentrations as determined by PCM analysis, all work will immediately halt except for corrective work. The PEC shall determine the source of the high fiber count and notify the contractor with directions for the corrective action.

D. Clearance Air/Wipe Monitoring:

1. Following the completion of final clean-up operations, notify the ENCORP that work areas are ready for final inspection and clearance air monitoring.

2. ENCORP will then sample the air in the work area for airborne fiber concentrations.

3. Phase Contrast Microscopy (PCM): In each homogeneous work area after completion of all cleaning work, a minimum number of samples will be collected and analyzed in accordance with the NIOSH 7400 Methodology as follows:

   For work areas less than 160 square feet or 260 linear feet:

   a. 5 interior aggressive air samples, 5 exterior air samples, 2 field blank samples and 1 lab blank sample for areas that had asbestos-containing materials removed.

   b. Release Criteria: Decontamination of the work site is complete when each sample analyzed reveals airborne asbestos fiber concentrations are at or below 0.010 f/cc, or established background concentrations.

   c. If these conditions are not met then the decontamination is incomplete and the cleaning procedures noted in Article 3.3 above shall be repeated. The area shall be re-tested at no additional cost to Owner until satisfactory levels are obtained.

4. Transmission Electron Microscopy (TEM): In each homogeneous work area after completion of all cleaning work, a minimum number of samples MAY be collected and analyzed by TEM in accordance with the requirements of 40 CFR Part 763, Subpart E (AHERA) as follows:

   For work areas equal to or greater than 160 square feet or 260 linear feet:

   a. 5 interior aggressive air samples, 5 exterior air samples, 2 field blank samples and 1 lab blank sample for areas that had asbestos-containing materials removed.

   b. Release Criteria: Decontamination of the work site is complete when the average of the interior samples reveals that airborne asbestos fiber concentrations are at or below 70 structures/mm^2, or established background concentrations.

c. If these conditions are not met, decontamination shall be deemed incomplete, and the cleaning procedures noted in Article 3.3 above shall be repeated. The area shall be re-cleaned and re-tested at no additional cost to Owner until satisfactory levels are obtained.

5. For work associated with LCM, wipe sampling shall be performed within the controlled work areas following completion of all lead-related impact and decontamination efforts.

a. Release Criteria: Decontamination of the work site is complete when each of at least two samples per work area are analyzed and reveal lead concentrations below those set forth by Cal/CDPH in 17 CCR 35001, et. seq. Generally, this shall be 40 micrograms of lead per square foot of area on interior floors.

b. If these conditions are not met then the decontamination is incomplete and the cleaning procedures noted in Article 3.3 above shall be repeated. The area shall be re-tested at no additional cost to Owner until satisfactory levels are obtained.

3.11 OSHA PERSONNEL AIR MONITORING:

A. Air monitoring required by OSHA is work of the contractor. The contractor is responsible for providing daily OSHA compliance monitoring as per 29 CFR 1926.1101, 8 CCR 1529 for asbestos and 29 CFR 1926.62 and 8 CCR 1532.1 for lead.

1. At minimum, Contractor shall conduct representative (25% of crew) breathing zone personal air monitoring of its employees twice each shift (asbestos only) and repeated daily or until a "negative exposure assessment", as derived in accordance with 29 CFR 1926.1101 (f)(2)(iii) and 8 CCR 1529 for asbestos, and 8 CCR 1532.1 for lead.

2. Monitoring shall be conducted by a qualified air professional experienced and knowledgeable about the methods of air monitoring and in accordance with 29 CFR 1926.1101, 8 CCR 1529 and 8 CCR 1532.1.

3. Monitoring results and appropriate laboratory analysis work shall be submitted to ENCORP within forty-eight (48) hours of the monitoring work.

3.12 ALTERNATIVE PROCEDURES

A. If specified procedures cannot be utilized, a request shall be made in writing to ENCORP providing details of the problem encountered and recommended alternatives.

B. The removal of all õotherò hazardous materials shall be handled as an alternative procedure. Contractor shall submit a work plan for the removal, handling, and disposal of all õotherò hazardous materials, including but not limited to fluorescent light ballasts and tubes, mercury switches, refrigerants, batteries, and radioactive smoke detector sources. Work described in said work plan(s) shall not commence until the work plan has been accepted and approved, in writing, by ENCORP.

C. Alternative procedures shall provide equivalent or greater protection than procedures that are replaced.

D. Any alternative procedure must be approved in writing by the ENCORP prior to the implementation of the procedure.

End of Section 02080

ATTACHMENT A:

Asbestos & Lead Inspection Report

ASBESTOS & LEAD-BASED PAINT INSPECTION REPORT

For

LA MIRADA HIGH SCHOOL
FIELD STADIUM STRUCTURES
1352 Adelfa Drive
La Mirada, California 90638

Prepared For

Norwalk-La Mirada Unified School District
12820 Pioneer Boulevard
Norwalk, California 90650

Prepared By

ENCORP
Engineering our Environment

16700 Valley View Avenue, Suite 100, La Mirada, California 90638
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June 12 &16, 2020
ENCORP PROJECT NUMBER P20172.N16

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I. LIMITED ASBESTOS & LEAD-BASED PAINT INSPECTION REPORT

ASBESTOS & LEAD-BASED PAINT INSPECTION REPORT

FACILITIES: ..... **LA MIRADA HIGH SCHOOL - Field Stadium Structures**
1352 Adelfa Drive
La Mirada, California 90638

INSPECTION DATE: ..... June 12 & 16, 2020

INTRODUCTION

The **NORWALK-LA MIRADA UNIFIED SCHOOL DISTRICT** retained **ENCORP** to conduct asbestos and lead-based paint inspection of **FIELD STADIUM STRUCTURES,** at **LA MIRADA HIGH SCHOOL,** located at 1352 Adelfa Drive, La Mirada, California 90638. The inspection scope of work was limited to suspect Asbestos Containing Materials (ACMôs) and Lead-Based Painted Materials (LBPMôs) that would be impacted by the demolition of the building. The inspection results that follow summarize the components tested and the results.

Asbestos is a general term applied to a group of naturally occurring minerals which separate into fibers. This fibrous material (e.g., Amosite, Chrysotile, Crocidolite, Tremolite, Anthophyllite, and Actinolite) are composed of silicates of aluminum, magnesium and other metals which are incombustible and very difficult to destroy or degrade. Asbestos has a tendency to break into a dust of tiny fibers which can float in the air and be inhaled or swallowed. Asbestos inhalation exposure has been shown to increase the risk of developing lung cancer, mesothelioma (cancer of the lining of the lung and/or abdomen.) and asbestosis (chronic lung disease), as well as other damage to the lungs. Exposure occurs by breathing asbestos fibers produced as a fine dust when asbestos is handled during fabrication, installation or removal. By definition Asbestos Containing Materials (ACM) are any material or product which contains 1 percent (1%) or more asbestos. CAL/OSHA further regulates the content of asbestos in materials or products that contain 1 tenth of a percent (0.1%) or more asbestos for the purpose of worker and occupant protection.

Prior to sample collection, ENCORPôs representative conducted a visual investigation of the property to identify and quantify all suspect asbestos containing materials. Upon completion of the visual investigation, building materials were grouped into homogeneous categories and samples were collected from the suspect ACMôs previously identified.

ENCORPôs Certified Site Surveillance Technician Mr. Nestor Canas and CDPH Certified Lead Sampling Technician Mr. Daniel Barraza completed the site inspections. Prior to sample collection, ENCORPôs representatives conducted a visual investigation of the property to identify and quantify all suspect asbestos containing, and lead painted building materials within the limited scope of work. Upon completion of the visual investigation, building materials were grouped into homogeneous categories and samples were collected from the suspect ACMôs and LBPMôs previously identified.

SAMPLING METHODOLOGY – ASBESTOS

ENCORP used a modified random sampling protocol to collect the samples of the suspect ACMôs. Each of the suspect samples collected for this report were given a unique sample identification number and sealed inside leak proof containers for shipment to the laboratory for analysis.

All of the asbestos bulk samples collected during this inspection was analyzed by **Patriot Environmental Laboratory Services**, Fullerton, California. **Patriot Environmental Laboratory Services** is accredited by NIST/NVLAP for analysis of asbestos fibers in bulk. A copy of the certification is included in the certification section of this report. These samples were analyzed by Polarized Light Microscopy/Dispersion Staining (EPA/600/R-93/116). This method is designed as an inexpensive screening method to examine bulk samples; it is not an absolute method. Any visible light method (including PLM) is limited by the resolution possible with visible light.

Because fibers with a diameter less than one micron will not be seen using PLM, a possibility exists that the asbestos content of materials with low asbestos percentages (such as floor tiles and soils) could actually be higher when analyzed by TEM, SEM, or X-ray diffraction.

INSPECTION RESULTS -- ASBESTOS

The following contains the summary of the suspect asbestos containing materials sampled during this inspection, including the location and laboratory analysis. Positive ACMôs are distinguished in ñ**bold**ò Samples collected and found not to contain asbestos are classified as being None Detected ñNDò The complete sampling results can be found in the attachment section of this report.

SUMMARY OF SUSPECT MATERIALS TESTED
North Snack Bar/Restroom Building

Sample No.	Building Component	Location of Material	Condition	Friability	Estimated Quantity	% and type of Asbestos
1 2 3	Rolled on Roof (Core)	North Snack Bar/ Restroom Building: Roof	G	NF	1500 sf	ND
4 5 6	Silver penetration mastic	North Snack Bar/ Restroom Building: Roof	G	NF	15 sf	ND
7 8 9	Grey penetration mastic	North Snack Bar/ Restroom Building: Roof	G	NF	5 sf	ND
10 11 12	Silver/ White penetration mastic	North Snack Bar/ Restroom Building: Roof	G	NF	15 sf	ND
13 14 15	Door/ Window Frame Sealant	North Snack Bar/ Restroom Building: Exterior/ Interior	G	NF	25 sf	ND
16 17 18	Wainscot Mastic	North Snack Bar/ Restroom Building: Interior	G	NF	2500 sf	ND
19 20 21	4ò Black Base Cove, Mastic	North Snack Bar/ Restroom Building: Interior	G	NF	30 sf	Basecove = ND Mastic = ND

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF).
The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

INSPECTION RESULTS -- ASBESTOS

SUMMARY OF SUSPECT MATERIALS TESTED South Snack Bar/Restroom Building						
Sample No.	**Building Component**	**Location of Material**	**Condition**	**Friability**	**Estimated Quantity**	**% and type of Asbestos**
22 23 24	Rolled on Roof (Core)	South Snack Bar/ Restroom Building: Roof	G	NF	1500 sf	ND
25 26 27	Silver Penetration Mastic	South Snack Bar/ Restroom Building: Roof	G	NF	15 sf	ND
28 29 30	Gray Penetration Mastic	South Snack Bar/ Restroom Building: Roof	G	NF	5 sf	ND
31 32 33	Silver/ White Penetration Mastic	South Snack Bar/ Restroom Building: Roof	G	NF	15 sf	ND
34 35 36	Door/ Window Frame Sealant	South Snack Bar/ Restroom Building: Exterior/ Interior	G	NF	25 sf	ND
37 38 39	Wainscot Mastic	South Snack Bar/ Restroom Building: Interior	G	NF	2500 sf	ND
40 41 42	4ò Black Base Cove, Mastic	South Snack Bar/ Restroom Building: Interior	G	NF	30 sf	Basecove = ND Mastic = ND

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

INSPECTION RESULTS -- ASBESTOS

SUMMARY OF SUSPECT MATERIALS TESTED Announcer Booth						
Sample No.	**Building Component**	**Location of Material**	**Condition**	**Friability**	**Estimated Quantity**	**% and type of Asbestos**
43 44 45	Rolled on Roof (Core)	Announcerõs Booth Building: Roof	G	NF	600 sf	ND
46 47 48	Gray/ Black Penetration Mastic	Announcerõs Booth Building: Roof	G	NF	10 sf	ND
49 50 51	Gray Sealant	Announcerõs Booth Building: Roof	G	NF	20 sf	ND
52 53 54	**Door Frame Caulking**	**Announcer's Booth Building: Exterior/ Interior**	**G**	**NF**	**12 sf**	**2% Chrysotile**
55 56 57	Window Frame Sealant	Announcerõs Booth Building: Exterior/ Interior	G	NF	50 sf	ND
58 59 60	Vapor Barrier	Announcerõs Booth Building: Interior	G	NF	2000 sf	ND
61 62 63	**12"x12" White Floor Tile, Mastic**	**Announcer's Booth Building: Interior**	**G**	**NF**	**300 sf**	**Floor Tile = 2% Chrysotile Mastic = 3% Chrysotile**
64 65 66	12ò x 12ò Blue Floor Tile, Mastic	Announcerõs Booth Building: Interior	G	NF	10 sf	Floor Tile = ND Mastic = ND
67 68 69	12ò x 12ò Brown Floor Tile, Mastic	Announcerõs Booth Building: Interior	G	NF	10 sf	Floor Tile = ND Mastic = ND

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

INSPECTION RESULTS – ASBESTOS

SUMMARY OF SUSPECT MATERIALS TESTED
Transformer Room Building

Sample No.	Building Component	Location of Material	Condition	Friability	Estimated Quantity	% and type of Asbestos
70 71 72	Rolled on Roof (Core)	Transformer Room Building: Roof	G	NF	500 sf	ND
73 **74** **75**	**Gray Penetration Mastic**	**Transformer Room Building: Roof**	**G**	**NF**	**16 sf**	**5% Chrysotile**

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

SUMMARY OF SUSPECT MATERIALS TESTED
Electrical Room Building

Sample No.	Building Component	Location of Material	Condition	Friability	Estimated Quantity	% and type of Asbestos
76 77 78	Rolled on Roof (Core)	Electrical Room Building: Roof	G	NF	100 sf	ND
79 80 81	Black/ Gray Penetration Mastic	Electrical Room Building: Roof	G	NF	5 sf	ND

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

SUMMARY OF SUSPECT MATERIALS TESTED
Field Stadium

Sample No.	Building Component	Location of Material	Condition	Friability	Estimated Quantity	% and type of Asbestos
82 83 84 85 86 87 88	Asphalt Pavement (Core)	Field Stadium: Pavement	G	NF	120000 sf	ND
89 90 91	Track Surface (Core)	Field Stadium: Running Track	G	NF	100000 sf	ND
92 93 94	Synthetic Grass Glue	Field Stadium: Playing Field	G	NF	90000 sf	ND

Conditions of materials are identified as follows: Good (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

DISCUSSIONS AND RECOMMENDATIONS (ASBESTOS)

Door Frame Caulking, 12x12 white floor tile, and 12x12 white floor tile mastic in the Announcerôs Booth Buildingôs was confirmed as Asbestos-Containing Materials. Gray Penetration Mastic in the Transformer Room Buildingôs Roof was also confirmed to be an Asbestos-Containing Material.

Asbestos containing materials (ACM) should be removed by a California trained and licensed abatement contractor in accordance with all governing regulations. ENCORP also recommends that a California Certified Asbestos Consultant/Site Surveillance Technician oversee the project to ensure that proper methods are being utilized.

INSPECTION RESULTS -- LEAD (XRF Analysis)

The Niton XRF Spectrum Analyzer was utilized for the analysis of suspect lead-based painted materials. In this method of analysis, the material is exposed to X-Rays or other high-energy radiation (such as gamma rays), which causes lead to emit X-Rays with a characteristic frequency. The intensity of this radiation is measured by the instrumentôs detector and is then converted into a number that represents the amount of lead in the material per unit area, usually milligrams per square centimeter (mg/cm2).

The HUD and OSHA have set a lead level of 1.0 mg/cm^2 as being a regulated lead-containing material. Analytical sensitivity of the of the XRF measurement methodology reports positive lead-based content results at or above 1.0 mg/cm^2, presence of lead content result between 0.1 and 0.9 mg/cm^2, and negative results at less than 0.1 mg/cm^2. CAL/OSHA considers all lead surface levels to be of concerns.

Listed below is a summary of the materials sampled and found positive for lead-based paint using XRF analyses at these buildings, along with the location and estimated quantity. A complete listing of all components tested can be found in Section IIB of this report.

SUMMARY OF LEAD-CONTAINING COMPONENTS TESTED

Field Stadium

No.	Building Component			Location of Material		Quantity	Results (mg/cm^2)
822	GREY	STAIRS BEAM	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.04
823	GREY	STAIRS BEAM	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.16
824	GREY	STAIRS BEAM	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.18
825	GREY	STAIRS FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
826	GREY	STAIRS FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
827	GREY	STAIRS FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
828	GREY	FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
829	GREY	FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
830	GREY	FLOOR	Wood	VISITORS BLEACHERS	EXTERIOR	-	0
831	GREY	TRIM	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.08
832	GREY	TRIM	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.16
833	GREY	PANELS	Metal	VISITORS BLEACHERS	EXTERIOR	-	0
834	GREY	PANELS	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.02
835	GREY	MAIN LIGHTS	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.11
836	GREY	MAIN LIGHTS	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.3
838	GREY	MAIN LIGHTS	Metal	VISITORS BLEACHERS	EXTERIOR	-	0.07
839	BEIGE	TRIM	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.03
840	BEIGE	TRIM	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.01
841	BEIGE	DOOR	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.01
842	BEIGE	DOOR FRAME	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.03
843	YELLOW	WALL	Brick	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0
844	YELLOW	WALL	Brick	VISITORS BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0
845	YELLOW	WALL	Brick	VISITORS BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0
846	YELLOW	WALL	Brick	VISITORS BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0

SUMMARY OF LEAD-CONTAINING COMPONENTS TESTED

Field Stadium

No.	Building Component			Location of Material		Quantity	Results (mg/cm^2)
847	YELLOW	DOOR	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0.04
848	YELLOW	DOOR FRAME	Metal	VISITORS BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0.01
849	**GREY**	**CEILING BEAM**	Metal	**VISITORS BLEACHERS ELECTRICITY ROOM**	**INTERIOR**	**48 LF**	**1.6**
850	**GREY**	**CEILING BEAM**	Metal	**VISITORS BLEACHERS ELECTRICITY ROOM**	**INTERIOR**	**48 LF**	**3**
851	GREY	WALL	Brick	VISITORS RESTROOM BLDG	EXTERIOR	-	0
852	GREY	WALL	Brick	VISITORS RESTROOM BLDG	EXTERIOR	-	0
853	BLUE	DOOR FRAME	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0
854	**WHITE**	**WATER FOUNTAIN**	Metal	**VISITORS RESTROOM BLDG**	**EXTERIOR**	**1 ea**	**49.7**
855	BLUE	ROLLING WINDOW	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0.02
856	BLUE	ROLLING WINDOW	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0.02
857	BLUE	ROLLING WINDOW FRAME	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0.12
858	BLUE	ROLLING WINDOW FRAME	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0.07
859	**GREY**	**COLUMN**	**Wood**	**VISITORS RESTROOM BLDG**	**EXTERIOR**	**225 LF**	**0.7**
860	**GREY**	**COLUMN**	**Wood**	**VISITORS RESTROOM BLDG**	**EXTERIOR**	**225 LF**	**1.2**
861	GREY	CEILING OVERHANG	Wood	VISITORS RESTROOM BLDG	EXTERIOR	-	0.25
862	GREY	CEILING OVERHANG	Wood	VISITORS RESTROOM BLDG	EXTERIOR	-	0
863	WHITE	CEILING	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0.08
864	WHITE	CEILING	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0.25
865	YELLOW	WALL	Brick	VISITORS RESTROOM BLDG	INTERIOR	-	0
866	YELLOW	WALL	Brick	VISITORS RESTROOM BLDG	INTERIOR	-	0
867	BLUE	COUNTERTOP	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0
868	YELLOW	COUNTERTOP DOOR	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0
869	BLUE	COUNTERTOP	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0
870	**WHITE**	**WATER SINK**	**Metal**	**VISITORS RESTROOM BLDG**	**INTERIOR**	**1 ea**	**33.2**
871	YELLOW	WALL	Brick	VISITORS RESTROOM BLDG	INTERIOR	-	0
872	YELLOW	WALL	Brick	VISITORS RESTROOM BLDG	INTERIOR	-	0
873	WHITE	WATER SINK	Ceramic	VISITORS RESTROOM BLDG	INTERIOR	-	0
874	WHITE	TOILET	Ceramic	VISITORS RESTROOM BLDG	INTERIOR	-	0.02
875	BLUE	PANELS	Metal	VISITORS RESTROOM BLDG	INTERIOR	-	0
876	BLUE	PANELS	Metal	VISITORS RESTROOM BLDG	INTERIOR	-	0
877	**WHITE**	**URINAL**	**Metal**	**VISITORS RESTROOM BLDG**	**INTERIOR**	**1 ea**	**5.9**
878	WHITE	WATER SINK	Ceramic	VISITORS RESTROOM BLDG	INTERIOR	-	0.01
879	WHITE	TOILET	Ceramic	VISITORS RESTROOM BLDG	INTERIOR	-	0
880	YELLOW	WALL	Brink	VISITORS RESTROOM BLDG	INTERIOR	-	0
881	YELLOW	WALL	Brick	VISITORS RESTROOM BLDG	INTERIOR	-	0
882	WHITE	CEILING	Wood	VISITORS RESTROOM BLDG	INTERIOR	-	0.3

SUMMARY OF LEAD-CONTAINING COMPONENTS TESTED

Field Stadium

No.	Building Component			Location of Material		Quantity	Results (mg/cm^2)
883	WHITE	BENCH	Wood	VISITORS RESTROOM BLDG	EXTERIOR	-	0
884	BLUE	AIR VENT	Metal	VISITORS RESTROOM BLDG	EXTERIOR	-	0
885	BLUE	CEILING	Wood	VISITORS RESTROOM BLDG	EXTERIOR	-	0
886	GREY	STAIRS BEAM	Metal	HOME BLEACHERS	EXTERIOR	-	0.16
887	GREY	STAIRS BEAM	Metal	HOME BLEACHERS	EXTERIOR	-	0.14
888	GREY	TRIM	Metal	HOME BLEACHERS	EXTERIOR	-	0.03
889	GREY	TRIM	Metal	HOME BLEACHERS	EXTERIOR	-	0.14
890	GREY	PANELS	Metal	HOME BLEACHERS	EXTERIOR	-	0
891	GREY	PANELS	Metal	HOME BLEACHERS	EXTERIOR	-	0.01
892	GREY	FLOOR	Wood	HOME BLEACHERS	EXTERIOR	-	0
893	GREY	FLOOR	Wood	HOME BLEACHERS	EXTERIOR	-	0
894	GREY	WALL	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
895	GREY	WALL	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
896	BLUE	WINDOW	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0.01
897	BLUE	WINDOW	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0
898	BLUE	WINDOW	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0
899	BLUE	WINDOW FRAME	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0.06
900	BLUE	WINDOW FRAME	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0.01
901	BLUE	WINDOW BASE	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
902	BLUE	WINDOW BASE	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
903	BLUE	LADDERS	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0.22
904	YELLOW	TOP RAIL	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0.21
905	YELLOW	TOP RAIL	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0.17
906	YELLOW	TRIM	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0.02
907	BLUE	DOOR	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0
908	BLUE	DOOR FRAME	Wood	ANNOUNCER BOOTH	EXTERIOR	-	0.2
909	GREY	ENTRY STAIRS RAIL	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0.25
910	GREY	WALL PANELS	Wood	ANNOUNCER BOOTH	INTERIOR	-	0.23
911	GREY	WALL PANELS	Wood	ANNOUNCER BOOTH	INTERIOR	-	0.01
912	GREY	CEILING PANELS	Wood	ANNOUNCER BOOTH	INTERIOR	-	0
913	GREY	CEILING PANELS	Wood	ANNOUNCER BOOTH	INTERIOR	-	0
914	GREY	WINDOW	Wood	ANNOUNCER BOOTH	INTERIOR	-	0
915	GREY	WINDOW	Wood	ANNOUNCER BOOTH	INTERIOR	-	0
916	GREY	WINDOW FRAME	Wood	ANNOUNCER BOOTH	INTERIOR	-	0.11
917	GREY	PANELS	Metal	ANNOUNCER BOOTH	INTERIOR	-	0.01
918	GREY	COUNTERTOP STORAGE	Wood	ANNOUNCER BOOTH	INTERIOR	-	0
919	GREY	ELECTRICITY BOX	Metal	ANNOUNCER BOOTH	INTERIOR	-	0
920	BLUE	ELECTRICITY BOX	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
921	BLUE	CAMERA POLE	Metal	ANNOUNCER BOOTH	EXTERIOR	-	0
922	GREY	WALL	Concrete	HOME BLEACHERS	EXTERIOR	-	0

SUMMARY OF LEAD-CONTAINING COMPONENTS TESTED

Field Stadium

No.	Building Component			Location of Material		Quantity	Results (mg/cm^2)
923	YELLOW	WALL	Brick	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0
924	YELLOW	WALL	Brick	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0
925	BEIGE	AIR VENT	Metal	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.01
926	BEIGE	AIR VENT FRAME	Metal	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.02
927	BEIGE	TRIM	Metal	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.05
928	BEIGE	DOOR	Metal	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.03
929	BEIGE	DOOR FRAME	Metal	HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	-	0.07
930	YELLOW	WALL	Brick	HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0
931	YELLOW	WALL	Brick	HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0
932	YELLOW	AIR VENT	Brick	HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0.03
933	YELLOW	AIR VENT FRAME	Brick	HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0.02
934	**GREY**	**CEILING BEAMS**	**Metal**	**HOME BLEACHERS ELECTRICITY ROOM**	**INTERIOR**	**450 sq ft**	**1.9**
935	GREY	FLOOR	Concrete	HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	-	0
936	GREY	WALL	Brick	HOME RESTROOM BLDG	EXTERIOR	-	0
937	GREY	WALL	Brick	HOME RESTROOM BLDG	EXTERIOR	-	0
938	BLUE	DOOR FRAME	Brick	HOME RESTROOM BLDG	EXTERIOR	-	0
939	**WHITE**	**WATER FOUNTAIN**	**Metal**	**HOME RESTROOM BLDG**	**EXTERIOR**	**1 ea**	**42.2**
940	GREY	COLUMN	Wood	HOME RESTROOM BLDG	EXTERIOR	-	0.27
941	GREY	COLUMN	Wood	HOME RESTROOM BLDG	EXTERIOR	-	0.5
942	GREY	CEILING	Wood	HOME RESTROOM BLDG	EXTERIOR	-	0.29
943	GREY	CEILING	Wood	HOME RESTROOM BLDG	EXTERIOR	-	0.29
944	GREY	CEILING	Wood	HOME RESTROOM BLDG	EXTERIOR	-	0.22
945	BLUE	ROLLING WINDOW	Metal	HOME RESTROOM BLDG	EXTERIOR	-	0
946	BLUE	ROLLING WINDOW FRAME	Metal	HOME RESTROOM BLDG	EXTERIOR	-	0.01
947	BLUE	AIR VENT	Brick	HOME RESTROOM BLDG	EXTERIOR	-	0
948	YELLOW	WALL	Brick	HOME RESTROOM BLDG	INTERIOR	-	0
949	YELLOW	WALL	Wood	HOME RESTROOM BLDG	INTERIOR	-	0
950	BLUE	COUNTERTOP CABINETS	Wood	HOME RESTROOM BLDG	INTERIOR	-	0
951	GREY	CEILING	Wood	HOME RESTROOM BLDG	INTERIOR	-	0.3
952	GREY	COLUMN	Wood	HOME RESTROOM BLDG	INTERIOR	-	0.5
953	**WHITE**	**WATER SINK**	**Metal**	**HOME RESTROOM BLDG**	**INTERIOR**	**1 ea**	**5.1**
954	BLUE	CABINET	Wood	HOME RESTROOM BLDG	INTERIOR	-	0
955	BLACK	DOOR FRAME	Metal	HOME RESTROOM BLDG	INTERIOR	-	0.03
956	YELLOW	WALL	Brick	HOME RESTROOM BLDG	INTERIOR	-	0
957	GREY	WALL PANELS	Wood	HOME RESTROOM BLDG	INTERIOR	-	0
958	WHITE	WATER SINK	Ceramic	HOME RESTROOM BLDG	INTERIOR	-	0.01
959	WHITE	TOILET	Ceramic	HOME RESTROOM BLDG	INTERIOR	-	0.04
960	**WHITE**	**URINAL**	**Metal**	**HOME RESTROOM BLDG**	**INTERIOR**	**1 ea**	**7.7**
961	WHITE	CEILING	Wood	HOME RESTROOM BLDG	INTERIOR	-	0.1

SUMMARY OF LEAD-CONTAINING COMPONENTS TESTED Field Stadium							
No.	Building Component			Location of Material		Quantity	Results (mg/cm^2)
962	YELLOW	WALL	Brick	HOME RESTROOM BLDG	INTERIOR	-	0.01
963	YELLOW	WALL	Brick	HOME RESTROOM BLDG	INTERIOR	-	0
964	WHITE	WATER SINK	Ceramic	HOME RESTROOM BLDG	INTERIOR	-	0
965	WHITE	TOILET	Ceramic	HOME RESTROOM BLDG	INTERIOR	-	0.02
966	BLUE	WALL PANELS	Metal	HOME RESTROOM BLDG	INTERIOR	-	0
967	YELLOW	FIELD GOAL POLE	Metal	FOOTBALL FIELD	EXTERIOR	-	0
968	YELLOW	FIELD GOAL POLE	Metal	FOOTBALL FIELD	EXTERIOR	-	0
969	YELLOW	SCORES SIGN BEAM	Metal	FOOTBALL FIELD	EXTERIOR	-	0.06
970	YELLOW	SCORES SIGN ELECTRICITY BOX	Metal	FOOTBALL FIELD	EXTERIOR	-	0
971	YELLOW	SCORES SIGN ELECTRICITY POLE	Metal	FOOTBALL FIELD	EXTERIOR	-	0.01
972	GREEN	SCORES SIGN	Metal	FOOTBALL FIELD	EXTERIOR	-	0
973	WHITE	SCORES SIGN	Metal	FOOTBALL FIELD	EXTERIOR	-	0
974	WHITE	SCORES SIGN	Metal	FOOTBALL FIELD	EXTERIOR	-	0
975	YELLOW	BELL	Metal	FOOTBALL FIELD	EXTERIOR	-	0.04
976	BLUE	BELL	Metal	FOOTBALL FIELD	EXTERIOR	-	0.05
977	BLUE	BENCH	Metal	FOOTBALL FIELD	EXTERIOR	-	0.03
978	BROWN	STAND	Wood	FOOTBALL FIELD	EXTERIOR	-	0
979	WHITE	JUMP STAND	Wood	RUNNING TRACK	EXTERIOR	-	0
980	BLUE	JUMP STAND POLE	Wood	RUNNING TRACK	EXTERIOR	-	-0.97
981	YELLOW	CAR STAND	Metal	RUNNING TRACK	EXTERIOR	-	0
982	BLACK	CAR STAND	Metal	RUNNING TRACK	EXTERIOR	-	0
983	WHITE	RUNNING LINE	Paint	RUNNING TRACK	EXTERIOR	-	0
984	YELLOW	RUNNING LINE	Paint	RUNNING TRACK	EXTERIOR	-	0
985	YELLOW	METAL	POLES	RUNNING TRACK	EXTERIOR	-	0.04

Note: The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of lead containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

DISCUSSIONS AND RECOMMENDATIONS (LEAD)

Lead containing components were identified at Field Stadium at the electrical room beams, restrooms buildings drinking fountains, sinks, and urinals and also visitors restroom building exterior beams/columns.. All suspect lead-based painted components were tested utilizing Niton Spectrum Analyzer.

All suspect lead-based painted components were tested utilizing Niton Spectrum Analyzer.

All components with results of 1.0 mg/cm^2 are considered lead-based painted. ENCORP recommends that a trained, licensed Lead Abatement Contractor perform any renovation/demolition or preparation for demolition activities, which will disturb the lead containing building materials.

CONCLUSION

Asbestos containing materials (ACM) should be removed by a California trained and licensed abatement contractor in accordance with all governing regulations. ENCORP also recommends that a California Certified Asbestos Consultant/Site Surveillance Technician oversee the project to ensure that proper methods are being utilized.

Additional asbestos-containing and lead-based painted materials may be present at this site. Care should be taken when demolishing materials that will open wall cavities or sealed ceiling areas. If any additional known, assumed, or suspected asbestos-containing materials or lead-based painted components are discovered during renovation, remodeling or demolition activities, contact an environmental consultant to determine the proper course of action.

Should you have any questions concerning this report, please contact me at (714) 523-9811. Thank you.

Respectfully submitted, .

Alexander Blankevoort
Vice President of Operations, ENCORP
Certified Asbestos Consultant No. 04-3555
CDPH Certified Lead Inspector/Risk Assessor No. 11092

II. SAMPLE ANALYSIS

IIA. SAMPLE ANALYSIS - ASBESTOS

Certificate of Analysis
PLM Asbestos Identification

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1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT LAB

Encorp
16700 Valley View Ste 100
La Mirada, CA 90638

Report Number: 819743
Project Number: P20172-N16
Project Name: La Mirada HS Field Station
Project Location: 1352 Adelfa Dr
La Mirada, CA 90638

Date Collected: 6/12/2020
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Date Analyzed: 6/19/2020
Date Reported: 6/22/2020

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Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-001 1	North Snack Bar Restroom Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			
819743-002 2	North Snack Bar Restroom Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			
819743-003 3	North Snack Bar Restroom Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			
819743-004 4	North Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-005 5	North Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			
819743-006 6	North Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			
819743-007 7	North Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			
819743-008 8	North Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			
819743-009 9	North Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			
819743-010 10	North Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-011 11	North Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-012 12	North Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-013 13	North Snack Bar Restroom Building Exterior Interior	Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-014 14	North Snack Bar Restroom Building Exterior Interior	Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-015 15	North Snack Bar Restroom Building Exterior Interior	Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-016 16	North Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-017 17	North Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-018 18	North Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-019 19	North Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-019M 19	North Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-020 20	North Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-020M 20	North Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-021 21	North Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-021M 21	North Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-022 22	South Snack Bar Restroom Building Roof	Rolled Roof Core	White	65% Tar 10% Glass Fibers 25% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-023 23	South Snack Bar Restroom Building Roof	Rolled Roof Core	White	65% Tar 10% Glass Fibers 25% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-024 24	South Snack Bar Restroom Building Roof	Rolled Roof Core	White	65% Tar 10% Glass Fibers 25% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-025 25	South Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			
819743-026 26	South Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			
819743-027 27	South Snack Bar Restroom Building Roof	Penetration Mastic	Silver	85% Tar 10% Non-Fibrous Material 5% Cellulose
Total Asbestos	**None Detected**			
819743-028 28	South Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			
819743-029 29	South Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-030 30	South Snack Bar Restroom Building Roof	Penetration Mastic	Grey	95% Tar 5 Cellulose
Total Asbestos	**None Detected**			
819743-031 31	South Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-032 32	South Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-033 33	South Snack Bar Restroom Building Roof	Penetration Sealant	Silver White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-034 34	South Snack Bar Restroom Building Exterior Interior	Door Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-035 35	South Snack Bar Restroom Building Exterior Interior	Door Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-036 36	South Snack Bar Restroom Building Exterior Interior	Door Window Frame Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-037 37	South Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-038 38	South Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-039 39	South Snack Bar Restroom Building Interior	Wainscot Mastic	Yellow	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-040 40	South Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-040M 40	South Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-041 41	South Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-041M 41	South Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-042 42	South Snack Bar Restroom Building Interior	4 Inch Base Cove	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-042M 42	South Snack Bar Restroom Building Interior	Mastic	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-043 43	Announcers Booth Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			

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Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-044 44	Announcers Booth Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			
819743-045 45	Announcers Booth Building Roof	Rolled on Roof Core	White	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Synthetic Fibers
Total Asbestos	**None Detected**			
819743-046 46	Announcers Booth Building Roof	Penetration Mastic	Grey Black	97% Non-Fibrous Material 3% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-047 47	Announcers Booth Building Roof	Penetration Mastic	Grey Black	97% Non-Fibrous Material 3% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-048 48	Announcers Booth Building Roof	Penetration Mastic	Grey Black	97% Non-Fibrous Material 3% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-049 49	Announcers Booth Building Roof	Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-050 50	Announcers Booth Building Roof	Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-051 51	Announcers Booth Building Roof	Sealant	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-052 52	Announcers Booth Building Exterior Interior	Door Frame Ceiling	Blue Grey	98% Non-Fibrous Material
Chrysotile	2 %			
Total Asbestos	**2 %**			
819743-055 55	Announcers Booth Building Exterior Interior	Window Frame Sealant	Blue White	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Project Name: La Mirada HS Field Station
Project Location: 1352 Adelfa Dr
La Mirada, CA 90638

Date Collected: 6/12/2020
Date Received: 6/18/2020
Date Analyzed: 6/19/2020
Date Reported: 6/22/2020

Collected By: Nestor Canas
Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-056 56	Announcers Booth Building Exterior Interior	Window Frame Sealant	Blue White	100% Non- Fibrous Material
Total Asbestos	**None Detected**			
819743-057 57	Announcers Booth Building Exterior Interior	Window Frame Sealant	Blue White	100% Non- Fibrous Material
Total Asbestos	**None Detected**			
819743-058 58	Announcers Booth Building Interior	Vapor Barrier	Black	70% Tar 30% Cellulose
Total Asbestos	**None Detected**			
819743-059 59	Announcers Booth Building Interior	Vapor Barrier	Black	70% Tar 30% Cellulose
Total Asbestos	**None Detected**			
819743-060 60	Announcers Booth Building Interior	Vapor Barrier	Black	70% Tar 30% Cellulose
Total Asbestos	**None Detected**			
819743-061 61	Announcers Booth Building Interior	12x12 Floor Tile	White	98% Non- Fibrous Material
Chrysotile	2 %			
Total Asbestos	**2 %**			

Certificate of Analysis
PLM Asbestos Identification

tel - 714-607-5227
free - 855-968-7522
OCLab@patriotlab.com
1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT LAB

Encorp
16700 Valley View Ste 100
La Mirada, CA 90638

Report Number: 819743
Project Number: P20172-N16
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Project Location: 1352 Adelfa Dr
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Date Collected: 6/12/2020
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Collected By: Nestor Canas
Claim Number:
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Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-061M 61	Announcers Booth Building Interior	Mastic	Black	97% Tar
Chrysotile	3 %			
Total Asbestos	**3 %**			
819743-064 64	Announcers Booth Building Interior	12x12 Floor Tile	Blue	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-064M 64	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-065 65	Announcers Booth Building Interior	12x12 Floor Tile	Blue	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-065M 65	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-066 66	Announcers Booth Building Interior	12x12 Floor Tile	Blue	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Date Reported: 6/22/2020

Collected By: Nestor Canas
Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-066M 66	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-067 67	Announcers Booth Building Interior	12x12 Floor Tile	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-067M 67	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-068 68	Announcers Booth Building Interior	12x12 Floor Tile	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-068M 68	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-069 69	Announcers Booth Building Interior	12x12 Floor Tile	Brown	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-069M 69	Announcers Booth Building Interior	Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-070 70	Transformer Room Building Roof	Rolled on Rock Roof Core	Black	15% Non-Fibrous Material 35% Cellulose 50% Tar
Total Asbestos	**None Detected**			
819743-071 71	Transformer Room Building Roof	Rolled on Rock Roof Core	Black	15% Non-Fibrous Material 35% Cellulose 50% Tar
Total Asbestos	**None Detected**			
819743-072 72	Transformer Room Building Roof	Rolled on Rock Roof Core	Black	15% Non-Fibrous Material 35% Cellulose 50% Tar
Total Asbestos	**None Detected**			
819743-073 73	Transformer Room Building Roof	Penetration Mastic	White Black	95% Tar
Chrysotile	5 %			
Total Asbestos	**5 %**			

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Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-076 76	Electrical Room Building Roof	Rolled on Roof Core	Black	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Cellulose
Total Asbestos	**None Detected**			
819743-077 77	Electrical Room Building Roof	Rolled on Roof Core	Black	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Cellulose
Total Asbestos	**None Detected**			
819743-078 78	Electrical Room Building Roof	Rolled on Roof Core	Black	60% Tar 15% Glass Fibers 10% Non-Fibrous Material 15% Cellulose
Total Asbestos	**None Detected**			
819743-079 79	Electrical Room Building Roof	Penetration Mastic	Black	100% Tar
Total Asbestos	**None Detected**			

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Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-080 80	Electrical Room Building Roof	Penetration Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-081 81	Field Stadium Pavement	Penetration Mastic	Black	100% Tar
Total Asbestos	**None Detected**			
819743-082 82	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-083 83	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-084 84	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-085 85	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-086 86	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-087 87	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-088 88	Field Stadium Pavement	Asphalt Pavement Core	Grey	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-089 89	Running Track	Track Surface Core	Grey Red	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-090 90	Running Track	Track Surface Core	Grey Red	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-091 91	Running Track	Track Surface Core	Grey Red	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

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Claim Number:
PO Number:
Number of Samples: 101

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
819743-092 92	Playing Field	Synthetic Grass Gine	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-093 93	Playing Field	Synthetic Grass Gine	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			
819743-094 94	Playing Field	Synthetic Grass Gine	Black	100% Non-Fibrous Material
Total Asbestos	**None Detected**			

819743-052	Stopped at First Positive
819743-061	Stopped at First Positive
819743-061M	Stopped at First Positive
819743-073	Stopped at First Positive

Lyn Terry - Analyst

Kwin Sheena Legaspi - Approved By

Bulk sample(s) submitted was (were) analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR 763, Subpart F, Appendix A; EPA-600/R-93/116 (Method for Determination of Asbestos in Building Materials), and EPA-600/M4-82-020 (US EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples).Samples were analyzed using Calibrated Visual Estimations (CVES); therefore, results may not be reliable for samples of low asbestos concentration levels. Samples of wall systems containing discrete and separable layers are analyzed separately and reported as composite unless specifically requested by the customer to report analytical results for individual layers. This report applies only to the items tested. Results are representative of the samples submitted and may not represent the entire material from which the samples were collected. "None Detected" means that no asbestos was observed in the sample. "<1%" (less than one percent) means that asbestos was observed in the sample but the concentration is below the quantifiable level of 1%. This report was issued by a NIST/NVLAP (Lab Code 200358-0) and CADOHS- ELAP (Cert. No. 2540) accredited laboratory and may not be reproduced, except in full without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report may not be used to claim product certification, approval or endorsement by NIST, NVLAP, ELAP or any government agency.

Asb_Rep_8.14

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PATRIOT LAB

6/20

6pm

CHAIN OF CUSTODY

Client: ENCORP	**Project No.:** P20172 . N16
Contact Person: Bill Bohning	**Project Name:** La Mirada HS - Field stadium
Client Address: 16700 Valley View Ave. #100 La Mirada, CA 90638	**Project Location:** 1352 Adelfa Dr. La Mirada CA 90638
Contact Phone: (714) 523-9811	**Sample(s) Collected By:** Nestor Canas
Contact Fax: (714) 523-9810	**Authorized by:** **Claim #:** **PO #:**
How do you want your report? (Circle) Mail Fax Web **E-mail:**	ablankevoort@encorp.net
Special Instructions: Stop @ First positive	

Analysis Requested

Turnaround Time (business hours/days)
1 HR ☐ | 3 HR ☐ | 6 HR ☐ | 24 HR ☐ | 48 HR ☐ | 72 HR ☒ | 5 DAY ☐ | **Other** (specify)_____

Notes: *3HR TAT available until 2PM. Viable fungi samples require 5-7 days turnaround minimum.* Bacterial cultures require minimum 30hr TAT. *STLC/ CAL-WET and TCLP minimum TAT are 72hrs.*

Asbestos PLM (bulk asbestos) EPA 600//M4-82-020 / EPA 600/R-93/116 ☒ Point Count 400 ☐ Point Count 1000 ☐
CARB 435 ☐ Gravimetric Reduction (Gravimetric Reduction Requires Minimum 10hr TAT) ☐

Microbiology
Fungi Viable (Colony ID & Enumeration) Swab/Bulk ☐ **Non-Viable Surface** Tape Lift/Swab/Bulk, SOP IV.4.3m/4m ☐
Bacteria (Samples must be received by the laboratory within 24hrs of collection or results may be invalid)
Total Coliform and E. coli - Surfaces, Swabs, and Bulk Solids, Liquids (non-potable, non-wastewater) – Presence / Absence ☐

Chemistry
Lead by Flame AA - EPA 3050B/7420mod, NIOSH 7082mod: Paint ☐ Dust Wipe ☐ Water (non-potable) ☐ Soils/Solids ☐

Lead Waste Profile (by Flame AA)
1: TTLC Total Threshold by EPA 3050B mod ☐ 2: STLC/CAL WET Title 22 CCR Ch11 Article 5 App 2 ☐ 3: TCLP EPA 1311 ☐
Note: ***Please provide at approx. 200 grams (approx. ½ lb.) of sample for complete profile.*** *Check here to perform all test necessary for disposal* ☐

Rotometer Calibration ☐ **pH testing** *(soils, misc. solids, & liquids) EPA 9045* ☐

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
1	BULK	06/12	North snack bar / Restroom Building : Roof	Rolled on Roof (cap)
2	↓	↓	↓	↓
3	↓	↓	↓	↓
4	↓	↓	↓	Silver Penetration mastic
5	↓	↓	↓	↓
6	↓	↓	↓	↓

Relinquished By: (Print) Nestor Canas	Sign:		Date: 06/17/20	Time:
Received By: (Print)	Sign:		Date: 6/18/20	Time: 9AM PST
Relinquished By: (Print)	Sign:		Date:	Time:
Received By: (Print)	Sign:		Date:	Time:

Method of Shipment / Preservation During Shipment:

Condition of Samples: **Acceptable: YES / NO**
Comments:

Note: Patriot's holding time for all samples submitted is 30 days for solid samples, 7 days for digests, and immediate for lead in air after analytical results are reported. Unless customer provides written instructions to extend holding time, samples will be disposed of in accordance with local, state and federal laws.

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PATRIOT LAB

Referral Source: _____

Project Name: _____
Project Number: _____

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
7	Bulk	06/12	North snack Bar/Restrooms Building : Roof	. Gavel Penetration Mastic
8				
9				
10				. silver/white Penetration Sealant
11				
12				
13			: Exterior/Interior	Door/window Frame Sealant
14				
15				
16			: Interior	. wainscot Mastic
17				
18				
19				.4" Black Basecove . Mastic
20				
21				
22			South snack Bar/Restroom Building : Roof	. Rolledon Roof (Cove)
23				
24				

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Received By:	(Print)	Sign:		Date: 6/18/20	Time: 8am PB
Relinquished By:	(Print)	Sign:		Date:	Time:
Received By:	(Print)	Sign:		Date:	Time:

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Referral Source: _____

Project Name: _____
Project Number: _____

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
25	Bulk	06/12	South Snack Bar / Restrooms Building : Roof	· Silver Penetration Mastic
26				
27				
28				· Grey Penetration Mastic
29				
30				
31				· Silver / White Penetration Sealant
32				
33				
34			: Exterior / Interior	· Door / Window Frame Sealant
35				
36				
37			: Interior	· Wainscot Mastic
38				
39				
40				· 4" Black Basecove Mastic
41				
42				

Relinquished By:	(Print) Nestor Canas	Sign:		Date: 06/17/20	Time:
Received By:	(Print)	Sign:		Date: 6/18/20	Time: 8am PB
Relinquished By:	(Print)	Sign:		Date:	Time:
Received By:	(Print)	Sign:		Date:	Time:

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Referral Source: _____

Project Name: _____
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Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
43	BULK	06/12	Announcers Booth Building : Roof	Rolled on Roof (Cove)
44				
45				
46				. Gray / Black Penetration mastic
47				
48				
49				. Gray sealant
50				
51				
52			: Exterior / Interior	. Door Frame Caulking
53				
54				
55				. Window Frame Sealant
56				
57				
58			: Interior	. Vapor Barrier
59				
60				

Relinquished By:	(Print) Nestor Canas	Sign:		Date: 06/17/20	Time:
Received By:	(Print)	Sign:		Date: 6/17/20	Time: 6am PB
Relinquished By:	(Print)	Sign:		Date:	Time:
Received By:	(Print)	Sign:		Date:	Time:

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Referral Source: _____

Project Name: _____
Project Number: _____

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
61	BULK	06/12	announcers Booth Building : Interior	· 12X12 white floor tile · mastic
62				
63				
64				· 12X12 Blue floor tile · mastic
65				
66				
67				· 12X12 Brown floor tile · Mastic
68				
69				
70		06/16	Transformer Room Building : Roof	· Rolled on Rock Roof (Cove)
71				
72				
73				· Grout Penetration mastic
74				
75				
76			Electrical Room Building : Roof	· Rolled on Roof (Cove)
77				
78				

Relinquished By:	(Print) Nestor Canas	Sign:		Date: 06/17/20	Time:
Received By:	(Print)	Sign:		Date: 6/18/20	Time: 9AM DB
Relinquished By:	(Print)	Sign:		Date:	Time:
Received By:	(Print)	Sign:		Date:	Time:

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Referral Source: _____

Project Name: _____
Project Number: _____

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc.)
79	Bulk	06/16	Electrical Room Building: Roof	· Black/Grey Penetration Mastic
80			↓ : ↓	↓
81			↓	↓
82			Field Stadium Pavement	Asphalt Pavement (Core)
83			↓	↓
84				
85				
86				
87				
88			↓	↓
89			Running Track	· track surface (Core)
90			↓	↓
91				
92			· Playing Field	· Synthetic Grass Sine
93			↓	↓
94	↓	↓	↓	↓

Relinquished By:	(Print) Nestor Canas	Sign:		Date: 06/17/20	Time:
Received By:	(Print)	Sign:		Date: 6/18/20	Time: 9AM
Relinquished By:	(Print)	Sign:		Date:	Time:
Received By:	(Print)	Sign:		Date:	Time:

Note: Patriot's holding time for all samples submitted is 30 days for solid samples, 7 days for digests, and immediate for lead in air after analytical results are reported. Unless customer provides written instructions to extend holding time, samples will be disposed of in accordance with local, state and federal laws.

IIB. SAMPLE ANALYSIS - LEAD

Reading No	Color	Substrate	Component	Site	Room	Misc 1	Misc 2	Inspector	Action Le	Condition	Results	PbC	Units	Action Level
819	RED	LEAD TAB	CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1	mg / cm ^2	0.7
820	RED	LEAD TAB	CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1.1	mg / cm ^2	0.7
821	RED	LEAD TAB	CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1.1	mg / cm ^2	0.7
822	GREY	METAL	STAIRS BEAM	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.04	mg / cm ^2	0.7
823	GREY	METAL	STAIRS BEAM	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.16	mg / cm ^2	0.7
824	GREY	METAL	STAIRS BEAM	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.18	mg / cm ^2	0.7
825	GREY	WOOD	STAIRS FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
826	GREY	WOOD	STAIRS FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
827	GREY	WOOD	STAIRS FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
828	GREY	WOOD	FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
829	GREY	WOOD	FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
830	GREY	WOOD	FLOOR	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
831	GREY	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.08	mg / cm ^2	0.7
832	GREY	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.16	mg / cm ^2	0.7
833	GREY	METAL	PANELS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
834	GREY	METAL	PANELS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
835	GREY	METAL	MAIN LIGHTS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.11	mg / cm ^2	0.7
836	GREY	METAL	MAIN LIGHTS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.3	mg / cm ^2	0.7
837	GREY	METAL	MAIN LIGHTS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Positive	1.6	mg / cm ^2	0.7
838	GREY	METAL	MAIN LIGHTS	LA MIRADA HS(FIELD STADIUM)		VISITORS BLEACHERS		DBB	0.7	INTACT	Negative	0.07	mg / cm ^2	0.7
839	BEIGE	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
840	BEIGE	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
841	BEIGE	METAL	DOOR	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
842	BEIGE	METAL	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
843	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
844	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
845	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
846	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
847	YELLOW	METAL	DOOR	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Negative	0.04	mg / cm ^2	0.7
848	YELLOW	METAL	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
849	GREY	METAL	CEILING BEAM	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Positive	1.6	mg / cm ^2	0.7
850	GREY	METAL	CEILING BEAM	LA MIRADA HS(FIELD STADIUM)	ELECTRICITY ROOM	VISITORS BLEACHERS	INTERIOR	DBB	0.7	INTACT	Positive	3	mg / cm ^2	0.7
851	GREY	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
852	GREY	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
853	BLUE	METAL	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
854	WHITE	METAL	WATER FOUNTAIN	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Positive	49.7	mg / cm ^2	0.7
855	BLUE	METAL	ROLLING WINDOW	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
856	BLUE	METAL	ROLLING WINDOW	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
857	BLUE	METAL	ROLLING WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.12	mg / cm ^2	0.7
858	BLUE	METAL	ROLLING WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.07	mg / cm ^2	0.7
859	GREY	WOOD	COLUMN	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.7	mg / cm ^2	0.7
860	GREY	WOOD	COLUMN	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Positive	1.2	mg / cm ^2	0.7
861	GREY	WOOD	CEILING OVERHANG	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.25	mg / cm ^2	0.7
862	GREY	WOOD	CEILING OVERHANG	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
863	WHITE	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.08	mg / cm ^2	0.7
864	WHITE	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.25	mg / cm ^2	0.7
865	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
866	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
867	BLUE	WOOD	COUNTER TOP	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
868	YELLOW	WOOD	COUNTER TOP DOOR	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
869	BLUE	WOOD	COUNTER TOP	LA MIRADA HS(FIELD STADIUM)	SNACK BAR STORAGE	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
870	WHITE	METAL	WATER SINK	LA MIRADA HS(FIELD STADIUM)	SNACK BAR STORAGE	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Positive	33.2	mg / cm ^2	0.7
871	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
872	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
873	WHITE	CERAMIC	WATER SINK	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
874	WHITE	CERAMIC	TOILET	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
875	BLUE		PANELS	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
876	BLUE		PANELS	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
877	WHITE	METAL	URINAL SINK	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Positive	5.9	mg / cm ^2	0.7
878	WHITE	CERAMIC	WATER SINK	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
879	WHITE	CERAMIC	TOILET	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7

880	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
881	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
882	WHITE	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	VISITORS RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.3	mg / cm ^2	0.7
883	WHITE	WOOD	BENCH	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
884	BLUE	METAL	AIR VENT	LA MIRADA HS(FIELD STADIUM)		VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
885	BLUE	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	VISITORS RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
886	GREY	METAL	STAIRS BEAM	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.16	mg / cm ^2	0.7
887	GREY	METAL	STAIRS BEAM	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.14	mg / cm ^2	0.7
888	GREY	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
889	GREY	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.14	mg / cm ^2	0.7
890	GREY	METAL	PANELS	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
891	GREY	METAL	PANELS	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
892	GREY	WOOD	FLOOR	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
893	GREY	WOOD	FLOOR	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
894	GREY	METAL	WALL	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
895	GREY	METAL	WALL	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
896	BLUE	WOOD	WINDOW	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
897	BLUE	WOOD	WINDOW	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
898	BLUE	WOOD	WINDOW	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
899	BLUE	WOOD	WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.06	mg / cm ^2	0.7
900	BLUE	WOOD	WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
901	BLUE	METAL	WINDOW BASE	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
902	BLUE	METAL	WINDOW BASE	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
903	BLUE	METAL	LADDERS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.22	mg / cm ^2	0.7
904	YELLOW	METAL	TOP RAIL	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.21	mg / cm ^2	0.7
905	YELLOW	METAL	TOP RAIL	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.17	mg / cm ^2	0.7
906	YELLOW	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
907	BLUE	WOOD	DOOR	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
908	BLUE	WOOD	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.2	mg / cm ^2	0.7
909	GREY	METAL	ENTRY STAIRS RAIL	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0.25	mg / cm ^2	0.7
910	GREY	WOOD	WALL PANELS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0.23	mg / cm ^2	0.7
911	GREY	WOOD	WALL PANELS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
912	GREY	WOOD	CEILING PANELS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
913	GREY	WOOD	CEILING PANELS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
914	GREY	WOOD	WINDOW	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
915	GREY	WOOD	WINDOW	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
916	GREY	WOOD	WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0.11	mg / cm ^2	0.7
917	GREY	METAL	PANELS	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
918	GREY	WOOD	COUNTER TOP STORAGE	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
919	GREY	METAL	ELECTRICITY BOX	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
920	BLUE	METAL	ELECTRICITY BOX	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
921	BLUE	METAL	CAMERA POLE	LA MIRADA HS(FIELD STADIUM)		ANNOUNCER BOOTH	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
922	GREY	CONCRETE	WALL	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
923	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
924	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
925	BEIGE	METAL	AIR VENT	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
926	BEIGE	METAL	AIR VENT FRAME	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
927	BEIGE	METAL	TRIM	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0.05	mg / cm ^2	0.7
928	BEIGE	METAL	DOOR	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
929	BEIGE	METAL	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	EXTERIOR	DBB	0.7	INTACT	Negative	0.07	mg / cm ^2	0.7
930	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
931	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
932	YELLOW	BRICK	AIR VENT	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
933	YELLOW	BRICK	AIR VENT FRAME	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
934	GREY	METAL	CEILING BEAMS	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Positive	1.9	mg / cm ^2	0.7
935	GREY	CONCRETE	FLOOR	LA MIRADA HS(FIELD STADIUM)		HOME BLEACHERS ELECTRICITY ROOM	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
936	GREY	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
937	GREY	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
938	BLUE	BRICK	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
939	WHITE	METAL	WATER FOUNTAIN	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Positive	42.2	mg / cm ^2	0.7
940	GREY	WOOD	COLUMN	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.27	mg / cm ^2	0.7
941	GREY	WOOD	COLUMN	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.5	mg / cm ^2	0.7

942	GREY	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.29	mg / cm ^2	0.7
943	GREY	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.29	mg / cm ^2	0.7
944	GREY	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.22	mg / cm ^2	0.7
945	BLUE	METAL	ROLLING WINDOW	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
946	BLUE	METAL	ROLLING WINDOW FRAME	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
947	BLUE	METAL	AIR VENT	LA MIRADA HS(FIELD STADIUM)		HOME RESTROOM BLDG	EXTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
948	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
949	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
950	BLUE	WOOD	COUNTER TOP CABINETS	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
951	GREY	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.3	mg / cm ^2	0.7
952	GREY	WOOD	COLUMN	LA MIRADA HS(FIELD STADIUM)	SNACK BAR	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.5	mg / cm ^2	0.7
953	WHITE	METAL	WATER SINK	LA MIRADA HS(FIELD STADIUM)	SNACK BAR STORAGE ROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Positive	5.1	mg / cm ^2	0.7
954	BLUE	WOOD	CABINET	LA MIRADA HS(FIELD STADIUM)	SNACK BAR STORAGE ROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
955	BLACK	METAL	DOOR FRAME	LA MIRADA HS(FIELD STADIUM)	SNACK BAR STORAGE ROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.03	mg / cm ^2	0.7
956	YELLOW	BRICK	WALL	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
957	GREY	WOOD	WALL PANELS	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
958	WHITE	CERAMIC	WATER SINK	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
959	WHITE	CERAMIC	TOILET	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.04	mg / cm ^2	0.7
960	WHITE	METAL	URINAL	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Positive	7.7	mg / cm ^2	0.7
961	WHITE	WOOD	CEILING	LA MIRADA HS(FIELD STADIUM)	MEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.1	mg / cm ^2	0.7
962	YELLOW	BRICKS	WALL	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
963	YELLOW	BRICKS	WALL	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
964	WHITE	CERAMIC	WATER SINK	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
965	WHITE	CERAMIC	TOILET	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0.02	mg / cm ^2	0.7
966	BLUE		WALL PANELS	LA MIRADA HS(FIELD STADIUM)	WOMEN RESTROOM	HOME RESTROOM BLDG	INTERIOR	DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
967	YELLOW	METAL	FIELD GOAL POLE	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
968	YELLOW	METAL	FIELD GOAL POLE	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
969	YELLOW	METAL	SCORES SIGN BEAM	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0.06	mg / cm ^2	0.7
970	YELLOW	METAL	SCORES SIGN ELECTRICITY BOX	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
971	YELLOW	METAL	SCORES SIGN ELECTRICITY POLE	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0.01	mg / cm ^2	0.7
972	GREEN	METAL	SCORES SIGN	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
973	WHITE	METAL	SCORES SIGN	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
974	WHITE	METAL	SCORES SIGN	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
975	YELLOW	METAL	BELL	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0.04	mg / cm ^2	0.7
976	BLUE	METAL	BELL	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	INTACT	Negative	0.05	mg / cm ^2	0.7
977	BLUE	METAL	BENCH	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	PEELING	Negative	0.03	mg / cm ^2	0.7
978	BROWN	WOOD	STAND	LA MIRADA HS(FIELD STADIUM)		FOOTBALL FIELD		DBB	0.7	PEELING	Negative	0	mg / cm ^2	0.7
979	WHITE	WOOD	JUMP STAND	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	PEELING	Negative	0	mg / cm ^2	0.7
980	BLUE	WOOD	JUMP STAND POLE	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	PEELING	Negative	0	mg / cm ^2	0.7
981	YELLOW	METAL	CAR STAND	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	PEELING	Negative	0	mg / cm ^2	0.7
982	BLACK	METAL	CAR STAND	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	PEELING	Negative	0	mg / cm ^2	0.7
983	WHITE		RUNNING LINE	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
984	YELLOW		RUNNING LINE	LA MIRADA HS(FIELD STADIUM)		RUNNING TRACK		DBB	0.7	INTACT	Negative	0	mg / cm ^2	0.7
985	RED		CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1	mg / cm ^2	0.7
986	RED		CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1	mg / cm ^2	0.7
987	RED		CALIBRATE	LA MIRADA HS(FIELD STADIUM)				DBB	0.7		Positive	1	mg / cm ^2	0.7
988	YELLOW	METAL	POLES					DBB	0.7		Negative	0.18	mg / cm ^2	0.7

III. CERTIFICATIONS

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

Nestor E Canas
Name

Certification No. ~~17-6036~~

Expires on ~~03/13/21~~

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.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Sampling Technician	LRC-00005624	2/24/2021

Nestor Canas

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

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
Austin Melvin	Lead Sampling Technician	LRC-00002706	9/6/2020

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

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
Daniel Barraza Beltran	Lead Sampling Technician	LRC-00004462	1/16/2021

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

Alexander E Blankevoort
Name

Certification No. 04-3555

Expires on 03/18/21

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.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00005443	2/21/2021

Alexander Blankevoort

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

IV. FIELD INSPECTION DATA

HOMOGENEOUS MATERIALS INSPECTION FORM

Date: 06/12/2020 Project Name: La Mirada HS - Field Stadium Project # P20172.N16

Project Address: 13532 Adelfa Dr. La Mirada, CA 90638

Inspector(s): Nestor Cavas, Page: 1 of 4

Building: North Snack Bar / Restroom Building Code:

Material Description	Locations	Individual Sq Ft	Total Sq Ft	Condition	Qty of Samples	Sample #'s
Rolled on Roof (Cont)	North snack Bar / Restrooms Building : Roof		1,500 ±	G	3	1 2 3
Silver Penetration mastic			15 ±	G	3	4 5 6
Grey Penetration mastic			5 ±	G	3	7 8 9
Silver/white Penetration Sealant			15 ±	G	3	10 11 12
Door/window Frame sealant	: Exterior/Interior		25 ±	G	3	13 14 15
wainscot mastic	: Interior		2,500 ±	G	3	16 17 18
4" Black base cove mastic			30 ±	G	3	19 20 21

HOMOGENEOUS MATERIALS INSPECTION FORM

Date: 06/12/2020 Project Name: La Mirada HS - Field Stadium Project # P20172.N16

Project Address: 13532 Adelfa Dr. La Mirada CA 90638

Inspector(s): Nestor Cancis Page: 2 of 4

Building: South snack Bar / Restroom Building Code:

Material Description	Locations	Individual Sq Ft	Total Sq Ft	Condition	Qty of Samples	Sample #'s
Rolled on Roof (core)	South Snack Bar / Restrooms Building : Roof		1,500 SF	G	3	22, 23, 24
Silver Penetration mastic			15 SF	G	3	25, 26, 27
Grey Penetration mastic			5 SF	G	3	28, 29, 30
Silver/White Penetration Sealant			15 SF	G	3	31, 32, 33
Door/window Frame Sealant	: Exterior / Interior		25 SF	G	3	34, 35, 36
wainscot mastic	: Interior		2,500 SF	G	3	37, 38, 39
.4" Black Basecove .Mastic			30 SF	G	3	40, 41, 42

HOMOGENEOUS MATERIALS INSPECTION FORM

Date: 06/12/2020 Project Name: La Mirada Hs - Field stadium Project # P20172.N16

Project Address: 13532 Adelfa Dr. La Mirada, CA 90638

Inspector(s): Nestor Cervas Page: 3 of 4

Building: Announcers Booth Building Code:

Material Description	Locations	Individual Sq Ft	Total Sq Ft	Condition	Qty of Samples	Sample #'s
Rolled on Roof (Cove)	Announcers Booth : Roof		600 ◻	G	3	43 44 45
Grey/Black Penetration Mastic			10 ◻	G	3	46 47 48
Grey Sealant			20 ◻	G	3	49 50 51
Door Frame Caulking	: Exterior/Interior		12 ◻	G	3	52 53 54
Window Frame Sealant			50 ◻	G	3	55 56 57
Vapor Barrier	: Interior		2,000 ◻	G	3	58 59 60
12X12 White Floor Tile - mastic			300 ◻	G	3	61 62 63

HOMOGENEOUS MATERIALS INSPECTION FORM

Date: 06/12/2020 Project Name: La Mirada Hs - Field Stadium Project # P2072.N16

Project Address: 13532 Adelfa Dr. La Mirada, CA 90638

Inspector(s): Nestor Canas Page: 4 of 4

Building: Announcers Booth Building Code:

Material Description	Locations	Individual Sq Ft	Total Sq Ft	Condition	Qty of Samples	Sample #'s
12X12 Blue Floor Tile · Mastic	Announcers Booth : Interior		10 □	G	3	64 65 66
12X12 Brown Floor Tile · Mastic			10 □	G	3	67 68 69

HOMOGENEOUS MATERIALS INSPECTION FORM

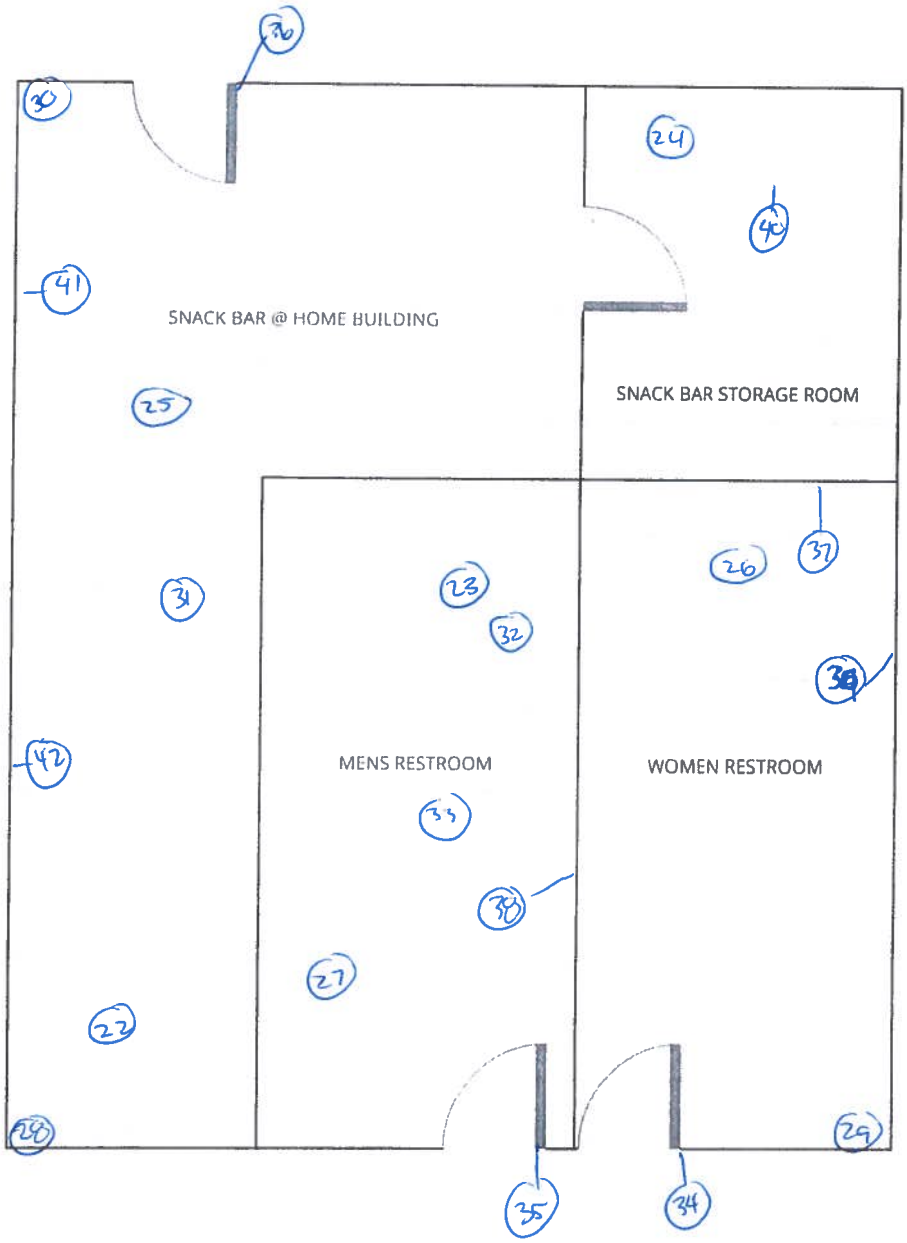
Date: 06/16/2020 Project Name: La Miranda HS - Field Stadium Project # P20172.N16

Project Address: 13552 Adelfa Dr. La Mirada, CA 90638

Inspector(s): Nester Cavers Page: 1 of 1

Building: Transformer, Electrical, Campus, Track Building Code:

Material Description	Locations	Individual Sq Ft	Total Sq Ft	Condition	Qty of Samples	Sample #'s
Rolled on Rock Roof (Core)	Transformer Room Buildings. : Roof (under bleachers)		500 ☐	G	3	70, 71, 72
Grey Penetration mastic			16 ☐	G	3	73, 74, 75
Rolled on Roof (Core)	Electrical Room Building.		100 ☐	G	3	76, 77, 78
Black/Grey Penetration mastic			5 ☐	G	3	79, 80, 81
Asphalt Pavement (Core)	Field Stadium Driveway, Campus, Pavement.		120,000 ☐	G	7	82, 83, 84, 85, 86, 87, 88
Track Surface (Core)	Running Track		100,000 ☐	G	3	89, 90, 91
Synthetic Grass Glue	Playing Field		90,000 ☐	G	3	92, 93, 94



DESCRIPTION:	South Snack Bar ACM Survey Sample Locations
JOB NAME:	La Mirada HS - Field Stadium
JOB NUMBER:	P20172.N16
DRAWN BY:	RC
DATE:	06 / 12 / 2020

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DESCRIPTION:	North snack Bar Acm survey sample Locations
JOB NAME:	La Mirada Hs - Field stadium
JOB NUMBER:	P20172.N16
DRAWN BY: NC	DATE: 06/12/2020

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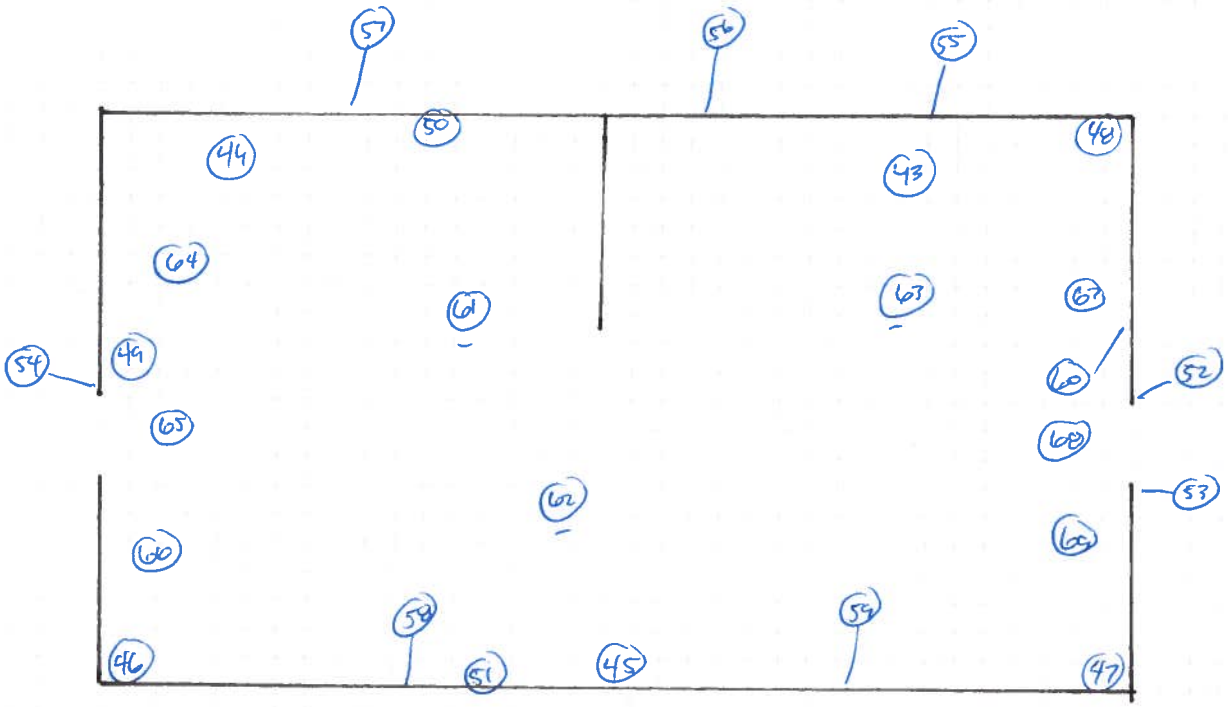

DESCRIPTION:	Announcers Booth ACM Survey Sample Locations
JOB NAME:	La Mirada HS - Field Stadium
JOB NUMBER:	P20172.N16
DRAWN BY: NC	DATE: 06/12/2020

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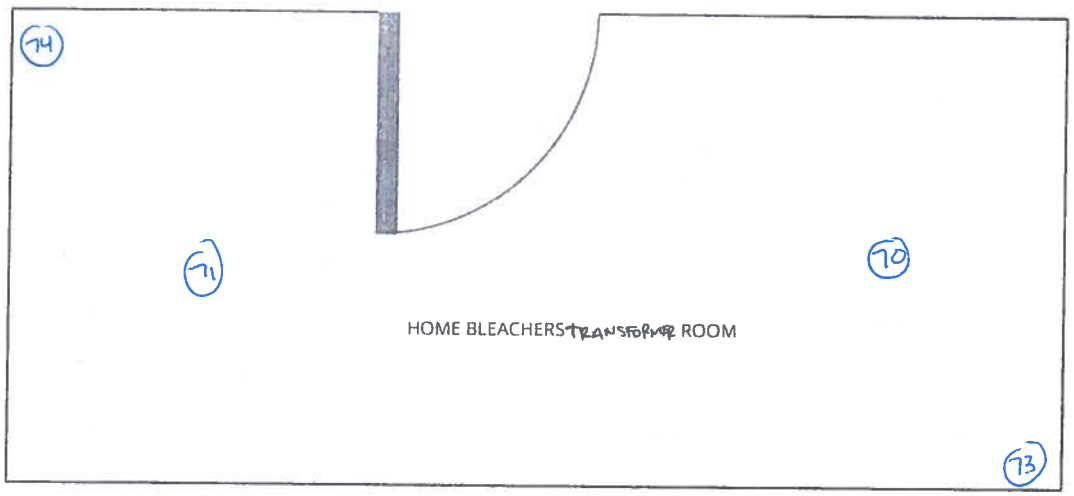

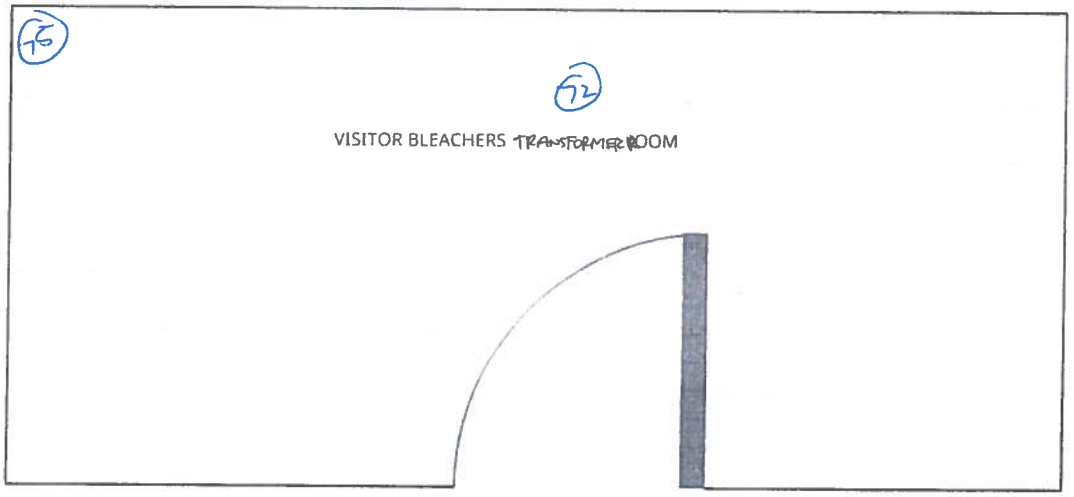

DESCRIPTION:	Transformer Rooms ACM survey sample locations
JOB NAME:	La Mirada HS - Field Stadium
JOB NUMBER:	P20172.N16
DRAWN BY: NC	DATE: 06/12/2020

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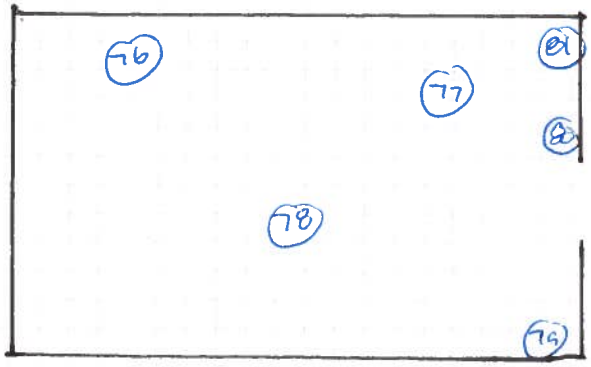

DESCRIPTION:	North Electrical Room Bldg. ACM survey Sample. Loc.
JOB NAME:	La Mirada HS - Field Stadium
JOB NUMBER:	P20172.N16
DRAWN BY: Nestor Canas	DATE: 06/12/2020

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DESCRIPTION:	Field stadium Acm survey Sample Locations
JOB NAME:	La Mirada Hs - Field Stadium
JOB NUMBER:	920172.016
DRAWN BY: NC	DATE: 06/12/2020

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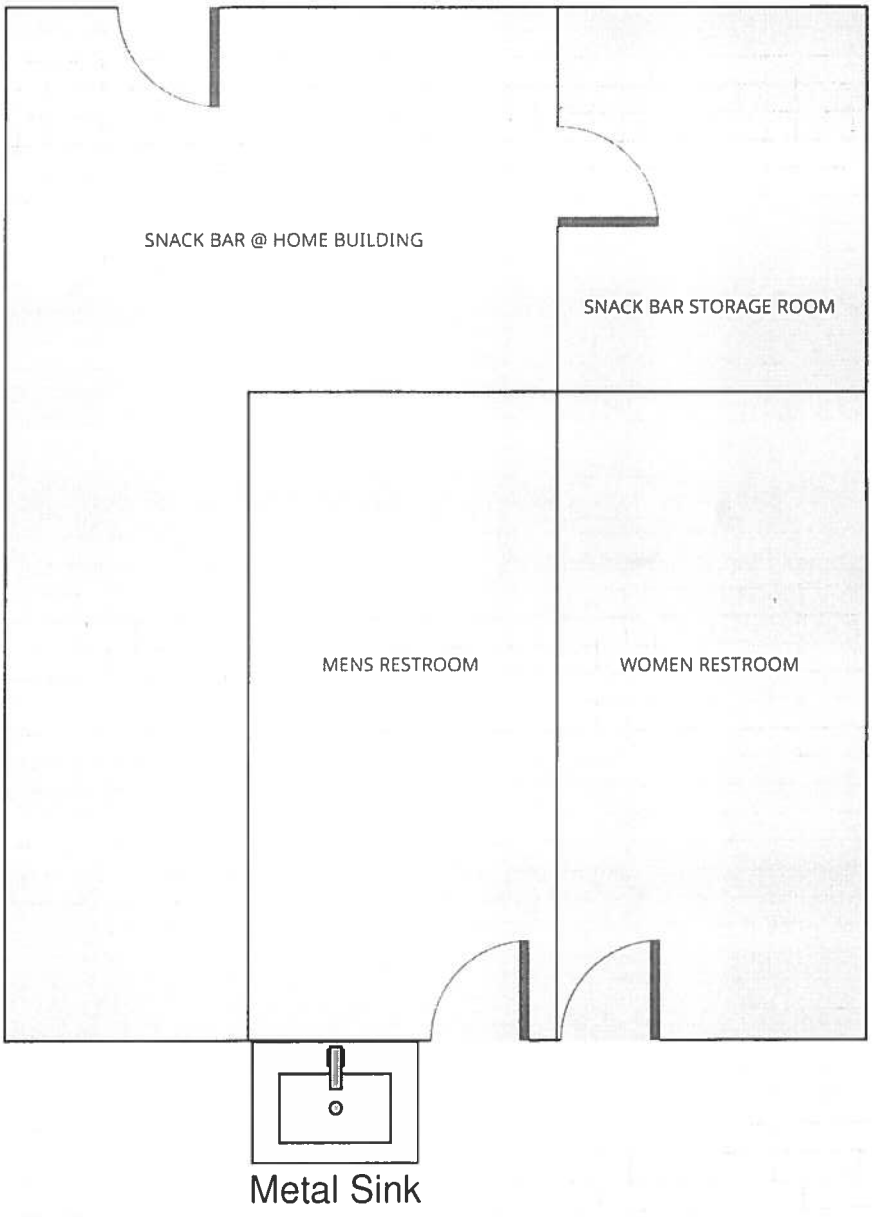

DESCRIPTION: Lead Positive Location @ Home Restroom Bldg	
JOB NAME: La Mirada HS	
JOB NUMBER: P20172.N16	
DRAWN BY: Daniel Barraza Beltran	DATE: 06/ 16 / 20

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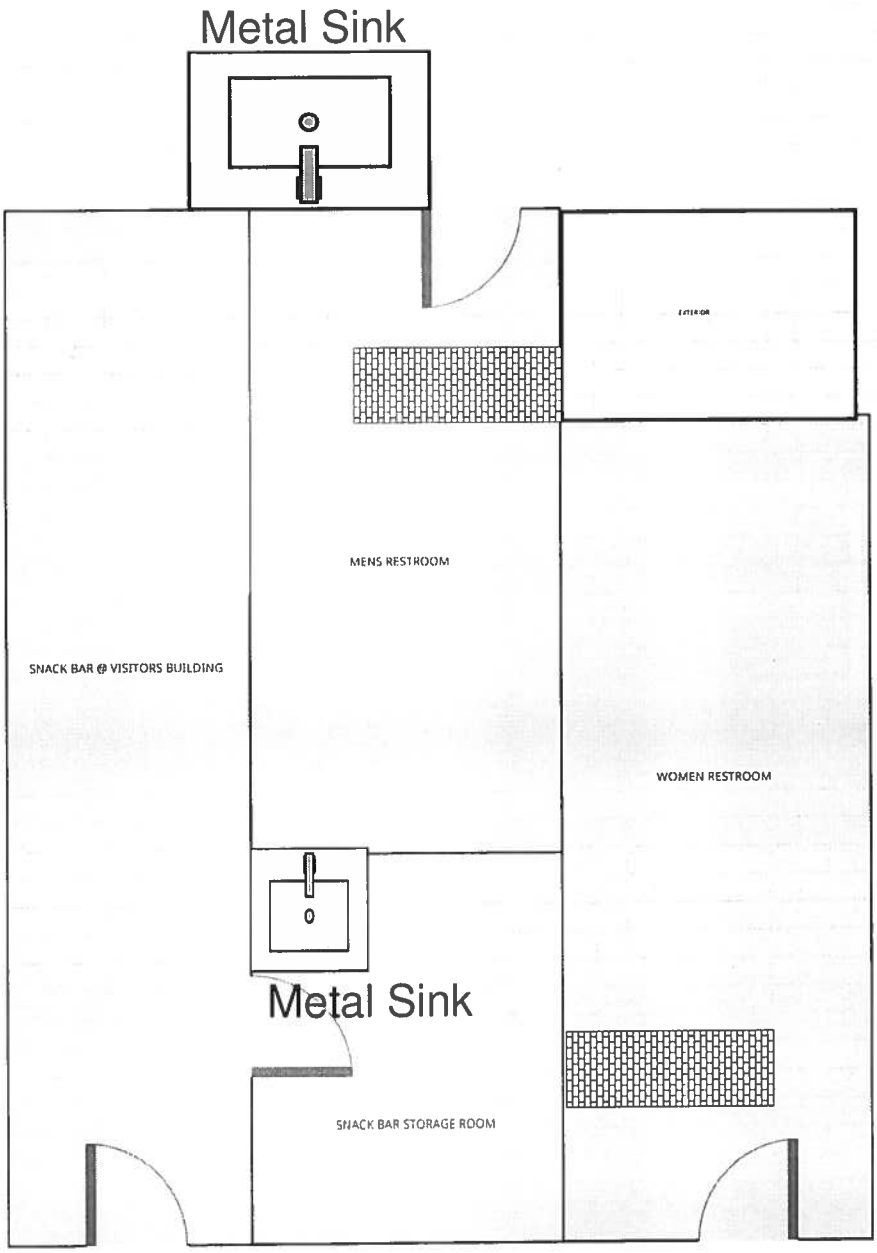

DESCRIPTION: Lead Positive Location @ Visitors Restroom Bldg	
JOB NAME: La Mirada HS	
JOB NUMBER: P20172.N16	
DRAWN BY: Daniel Barraza Beltran	DATE: 06 / 16 / 20

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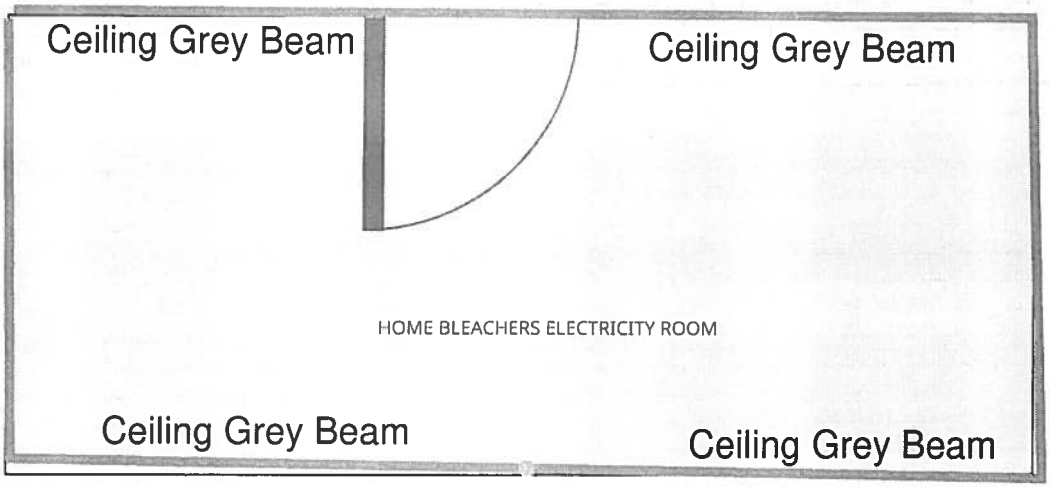

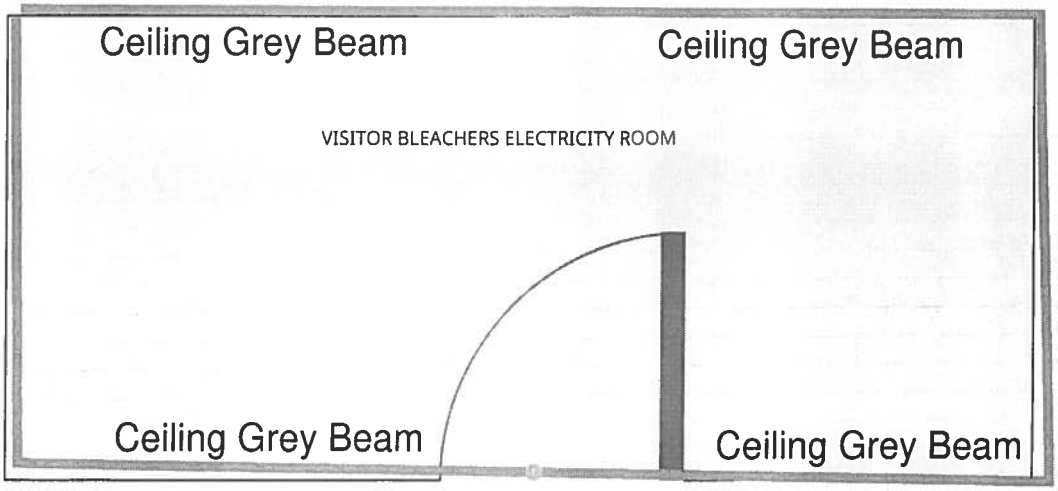

DESCRIPTION: Lead Positive Location Visitors/Home Electricity RM	
JOB NAME: La Mirada HS	
JOB NUMBER: P20172.N16	
DRAWN BY: Daniel Barraza Beltran	DATE: 06/ 16 / 20

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V. LIMITATIONS

LIMITATIONS

Conditions described in this report are as found at the time of investigation, unless otherwise stated.

ENCORP analyzed only the substances, conditions, and locations described in this report at the time indicated. No inferences regarding other substances, conditions, location or time can be made unless specifically stated in this report. ENCORPôs inspection was limited to accessible materials only for the purpose of this survey.

This report is intended for the use listed in the section of this report titled ñINTRODUCTION.ò The use of this report in any manner other than that listed in the Introduction requires the written consent of ENCORP and NORWALK-LA MIRADA UNFIED SCHOOL DISTRICT. This report must be presented in its entirety.

The conclusions and recommendations presented are based on the agreed upon scope of work outlined in this report. ENCORP makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. Note that information exists beyond the scope of this investigation. Additional information, which was outside this scope of work, not found, or available to ENCORP at the time of writing this report, may result in a modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by ENCORP have been conducted in a manner consistent with a level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

ATTACHMENT B:

Procedure 5 Draft Plan and Asbestos Contamination Assessment Report

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August 24, 2020

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Air Toxics Division
21865 Copley Drive
Diamond Bar, California 91765

RE: PROCEDURE 5 – UNDERGROUND ASBESTOS CEMENT PIPE ABATEMENT AND DISPOSAL AT:
LA MIRADA HIGH SCHOOL
1352 ADELFA DRIVE
LA MIRADA, CALIFORNIA

To Whom It May Concern:

The **NORWALK LA MIRADA UNIFIED SCHOOL DISTRICT** is excavating as part of new construction activities at the Field Stadium at **LA MIRADA HIGH SCHOOL**, located at 1352 Adelfa Drive, La Mirada, CA. During this planned excavation activities, it is anticipated that an approximately 1,047 sq ft of 4ò Asbestos Cement pipe, an approximately 393 sq ft of 3òAsbestos Cement pipe, an approximately 262 sq ft of 2òAsbestos Cement pipe, and 10 sq ft of coal tart wrap gas lines expected to be encountered.

At this time the pipes are buried, but known from construction documents and similar asbestos pipe discoveries at the District sites. Once the material is uncovered, it will be left in place, and areas secured to prevent disturbance to the material.

The encountered pipe lines are identified in as built drawings and are expected to be removed as necessary to accommodate the new construction; the pipe will be removed and disposed of as non-friable non-hazardous asbestos waste. Where asbestos cement pipe debris and contaminated waste (ACWM) is encountered, the pipe debris and waste shall be handled and disposed of as friable materials.

A licensed demolition and asbestos abatement contractor shall be contracted by General Contractor for the **NORWALK LA MIRADA UNIFIED SCHOOL DISTRICT** to perform removal and excavation of the underground asbestos cement/transite pipe runs.

SCOPE: The scope of work will consist of the excavation, removal, and proper disposal of underground cement/transite pipes, and suspected debris encountered during excavation. Prior to abatement, work areas, compliant with Title 8CCR 1529 and 29 CFR 1926.1101, will be established. The asbestos abatement contractor will demarcate a perimeter around the work area with caution flagging tape and asbestos signs, and will erect a two-stage decontamination chamber at the perimeter of the work area.

The abatement contractor will have to excavate, cut, and wrap (double layer), and dispose of approximately 1047 sq ft (approximately 1000 linear feet) of 4òAsbestos Cement pipe, approximately 393 sq ft (approximately 500 linear feet) of 3òAsbestos Cement pipe, approximately 262 sq ft (500 linear feet) of 2ò Asbestos Cement Pipe, and approximately 10 sq ft of Asbestos containing coal tar wrap gas line. Excavation and abatement will consist of wetting, cutting and carefully removing sections of the transite pipe, and wetting and bagging (double bags) up any contaminated soil around the pipe (two inches).

Any cement pipe/Transite debris will be placed in a clear plastic double bag, along with the contaminated soil, and a minimum of two inches of clean soil under debris. Large sections of pipes shall be carefully sealed in 2 layers plastic and ñBurrito wrappedò Asbestos cement pipe that is removed shall be disposed of as non-friable, non-hazardous asbestos waste. Where cement pipe debris and contaminated waste (ACWM) shall be disposed of as friable materials. Once the excavation and abatement actions are completed, **ENCORP** will conduct a visual inspection of the entire construction site.

DESCRIPTION OF CLEANUP WORK:

a. Demarcate the work area with caution flagging and proper signage. Erect a two-stage decontamination unit at the perimeter of the work area.

b. All wetting procedures shall be done with amended water.

c. Carefully excavate approximately 1047 sq ft of 4ò Asbestos Cement pipe, approximately 393 sq ft of 3òAsbestos Cement Pipe, approximately 262 sq ft of 2òAsbestos Cement Pipe from the work area. The pipes will be wet, cut into sections, and wrapped with 2 layers of 6 mil poly sheeting or double bagged in 6 mil poly.

d. A Chain Snap tool will be used to cut the cement pipe. Prior to cutting, the area where the cut will be made will be pre-wetted, with drop cloths placed below cement as appropriate. The Chain Snap tool will be installed, the area wetted with amended water, and the pipe carefully cut. The section of cut pipe will be wrapped intact. Where water lines reach the extent of excavation, system lines will be capped of.

e. Carefully excavate approximately 10 sq ft of coal tar gas line. The pipes will be wet, cut into sections, and wrapped with 2 layers of 6 mil poly sheeting or double bagged in 6 mil poly. A manual clamp cutting tool will be used to cut the asbestos tar wrapped pipe. Prior to cutting, the area where the cut will be made will be pre-wetted, with drop cloths placed below as appropriate. The section of cut pipe will be wrapped intact.

f. Where cement pipe debris is present approximately 2 inches of topsoil shall be collected and placed in polyethylene waste bags. Cement pipe debris and contaminated waste (ACWM) shall be disposed of as friable materials.

g. Visually inspect the entire construction area, and place all contaminated soil and debris into clear six-mil plastic bags for disposal. The debris and contaminated soil will be kept wet using a garden hose or Hudson sprayer during removal.

h. Visually inspect all remaining surfaces within the work area. Workers will carefully place any suspect transite debris and contaminated soil into clear six-mil bags. These bags will be placed into an appropriate secure container or vehicle for disposal.

i. Upon completion of all cleanup activities within the work area, **ENCORP** will conduct a Post-Abatement Visual Inspection.

WORKER PROTECTION:

The abatement contract workers will be equipped with type A, half face, respirators, and full body Tyvek disposable suits with hoods and boots. Hard hats safety shoes, and eye protection will be provided and worn if required. Bodily decontamination, compliant with Title 8CCR 1529 & 29CFR 1926.1101, will be accomplished in a decontamination unit affixed adjacent to the work area.

EQUIPMENT:

The work site materials and equipment will consist of, but not be limited to, the following items:

1. Hudson Sprayers
2. Properly labeled disposal bags
3. 6 mil polyethylene sheeting
4. Chain Snap
5. Authorized hand tools
6. Asbestos barrier flagging
7. Roll away carts
8. End Loader/Compatible Heavy Equipment

Any HEPA equipment will have current AQMD permits, and a stenciled serial number on each piece of equipment. Proof of AQMD permit will be available at all times at the site.

ABATEMENT PROCEDURES:

A licensed asbestos abatement contractor will complete the excavation and abatement according to this procedure, T8CCR 1529, 29CFR 1926.1101 and SCAQMD Rule 1403. The asbestos abatement contractor will submit a notification to reflect a Procedure 5 removal process.

AIR MONITORING AND INSPECTION PROCEDURES:

ENCORP will provide a California Certified Consultant/Site Surveillance Technician to conduct onsite monitoring and post clearance visual monitoring following the cleanup. A post-abatement visual inspection will be conducted prior to removal of the barrier flagging. ENCORP will provide a written notification letter to the District stating that the Asbestos Containing Pipes have been properly removed. Results of visual clearances and air monitoring conducted by ENCORP will be documented and provided in a closeout document to the Anaheim Union High School District. The licensed asbestos abatement contractor will conduct any required personnel monitoring for their workers.

DISPOSAL PROCEDURES:

The licensed abatement contractor will contract with a licensed waste hauler. All asbestos waste generated during this project will be loaded on a secure transport vehicle until it is transported to a Class I landfill which is properly permitted to accept asbestos waste. Furthermore the waste will be manifested in compliance with Rule 1403, Section F.

All asbestos waste generated during this project will be placed in clear, leak tight poly bags, doubled bagged, or 2 layers of plastic and ñBurrito wrappedò These bags will be properly labeled in accordance with governing regulations, and the Generator's information will be affixed to the gooseneck of each bag. A Licensed Abatement contractor will submit all other required information**.**

The Scope of Work for this project will be strictly limited to the areas and materials outlined in this Procedure 5 notification. **ENCORP** is not responsible for any additional work performed by the contractor, nor is **ENCORP** responsible for damage or loss of contractors or owner's equipment or materials.

We request your favorable review and approval of this Procedure 5. If you have any questions, please do not hesitate to call me at (714)-523-9811.

Respectfully submitted,

Alexander Blankevoort
Certified Asbestos Consultant No. 04-3555

Attachment: P20172.N16 La Mirada High School - Underground Asbestos Pipe Utility Survey Report

UNDERGROUND ASBESTOS PIPE UTILITY SURVEY REPORT

For

LA MIRADA HIGH SCHOOL

1352 Adelfa Drive
La Mirada, California

Prepared For

ANAHEIM UNION HIGH SCHOOL DISTRICT

501 Crescent Way
Anaheim, California 92803-3520

Prepared By

ENCORP
Engineering our Environment

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August 24, 2020
ENCORP PROJECT NUMBER P20172.N16

UNDERGROUND ASBESTOS PIPE SURVEY REPORT

FACILITIES: **.....LA MIRADA HIGH SCHOOL**
UNDERGROUND UTILITY
1352 Adelfa Drive
La Mirada, California

INSPECTION DATES: . August 24, 2020

INTRODUCTION

The **NORWALK LA MIRADA UNIFIED SCHOOL DISTRICT** retained **ENCORP** to conduct a limited asbestos survey and assessment in anticipation of the excavation and removal of asbestos cement pipes and coal tar lines as part of the **LA MIRADA HIGH SCHOOL,** Field Stadium Project, located at 1352 Adelfa Drive, La Mirada, California.

Excavation activities are assuming an impact of approximately 1047 sq ft (approximately 100 linear feet) of 4ò Asbestos Cement pipe, approximately 393 sq ft (approximately 500 linear feet) of 3ò Asbestos Cement pipe, approximately 262 sq ft (500 linear feet) of 2ò Asbestos Cement pipe expected to be demolished. In addition an approximately 10 sq ft of coal tar gas line is expected to be removed. At this time the pipes are buried, but known from construction documents and similar asbestos pipe discoveries at the District sites.

SAMPLING METHODOLOGY -- ASBESTOS

ENCORP used a modified random sampling protocol to collect the samples of the suspect ACMôs. Each of the suspect samples collected for this report were given a unique sample identification number and sealed inside leak proof containers for shipment to the laboratory for analysis.

All of the asbestos bulk samples collected during this inspection was analyzed by Patriot Environmental Laboratory, La Mirada, California. Patriot Environmental Laboratory is accredited by NIST/NVLAP for analysis of asbestos fibers in bulk. A copy of the certification is included in the certification section of this report. These samples were analyzed by Polarized Light Microscopy/Dispersion Staining (EPA/600/R-93/116). This method is designed as an inexpensive screening method to examine bulk samples; it is not an absolute method. Any visible light method (including PLM) is limited by the resolution possible with visible light.

Because fibers with a diameter less than one micron will not be seen using PLM, a possibility exists that the asbestos content of materials with low asbestos percentages (such as floor tiles and soils) could actually be higher when analyzed by TEM, SEM, or X-ray diffraction.

At this time no sampling of asbestos cement pipe materials have been performed as material is inaccessible until construction operations and excavation commences. Asbestos cement pipe is categorized as assumed by Certified Asbestos Consultant (CAC #04-3555) Mr. Alexander Blankevoort, based on existing construction documents and previous asbestos cement pipe discoveries at the District school sites.

INSPECTION RESULTS – ASBESTOS

SUMMARY OF SUSPECT MATERIALS TESTED						
Sample No.	Building Component	Location of Material	Condition	Friability	Estimated Quantity	% and type of Asbestos
N/A	4" Asbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	G	NF	1047 sq ft	Presumed asbestos containing by Certified Asbestos Consultant
N/A	3" Asbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	G	NF	393 sq ft	Presumed asbestos containing by Certified Asbestos Consultant
N/A	2" Asbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	G	NF	262 sq ft	Presumed asbestos containing by Certified Asbestos Consultant
N/A	4" Asbestos Cement Pipe	Below grade as per as built s and some potential Asbestos cement pipe may be present at joint connection or curves along the system areas to be removed	G	NF	10 sq ft	Presumed asbestos containing by Certified Asbestos Consultant

Conditions of materials are identified as follows: G (G), Damaged (D), or Significantly Damaged (SD), Friable (F), Non-friable (NF). The quantities listed are for budgetary purposes only. Contractors completing proposals for the removal of asbestos containing materials are responsible for verifying the location, quantity, degree of difficulty and necessity for removing the identified materials.

CONCLUSIONS

Where possible impacted is anticipated, sections of the cement pipe should be removed to accommodate new utility line construction. Remaining pipes should be documented in as build documentation.

A licensed abatement contractor will need to perform the removal associated with the underground asbestos cement pipe and coal tar lines. The removal will need to be performed under an approved South Coast Air Quality Management District (SCAQMD) Procedure 5 work plan. The scope of work and work procedures to be used will be described in the Procedure 5 work plan, which is a separate document.

Asphalt is to be impacted as part of the project upgrades. Asphalt sampling was performed in several locations were asphalt is found along the pathway of construction and landscaping. These asphalt locations tested none-detect for asbestos. Other areas of cement pipe and gas line removal include non-suspected landscaping and bare soils.

Should you have any questions concerning this report, please contact us at (714) 523-9811.

Respectfully submitted,

Alexander Blankevoort
Vice President of Operations, ENCORP
Certified Asbestos Consultant No. 04-3555

LIMITATIONS

Conditions described in this report are as found at the time of investigation, unless otherwise stated.

ENCORP analyzed only the substances, conditions, and locations described in this report at the time indicated. No inferences regarding other substances, conditions, location or time can be made unless specifically stated in this report. **ENCORP's** inspection was limited to accessible materials only for the purpose of this survey and as outlined in provided plans.

This report is intended for the use listed in the section of this report titled ñINTRODUCTIONò. The use of this report in any manner other than that listed in the Introduction requires the written consent of **ENCORP** and the Client. This report must be presented in its entirety.

The conclusions and recommendations presented are based on the agreed upon scope of work outlined in this report. **ENCORP** makes no warranties or guarantees as to the accuracy or completeness of information obtained from information provided or compiled by others. Note that information exists beyond the scope of this investigation. Additional information, which was outside this scope of work, not found, or available to **ENCORP** at the time of writing this report, may result in a modification of the conclusions and recommendations presented. This report is not a legal opinion. The services performed by **ENCORP** have been conducted in a manner consistent with a level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.