



NOTICE OF INTENT

RFP NO. 2022-006

**REQUEST FOR PROPOSALS FOR
ASBESTOS ABATEMENT AND DEMOLITION IN MERCEDES POLICE DEPARTMENT**

The City of Mercedes is requesting qualifications for **REQUEST FOR PROPOSALS FOR ASBESTOS ABATEMENT AND DEMOLITION AT MERCEDES POLICE DEPARTMENT**. Those interested in participating in this process may download **ALL** documents related to this RFP from the Bids and Contracts page on the City of Mercedes website:

**RESPONSES ARE DUE AT THE CITY SECRETARY'S OFFICE ON
MARCH 29, 2022 AT 4:00 P.M.**

All questions should be submitted in writing and directed to:

**Mr. Alberto Perez, City Manager
400 S. Ohio Ave
Mercedes, TX 78570**

All documents relating to this RFP, including, but not limited to, the RFP document, questions and responses, addenda and special notices will be posted under the RFP number on the City of Mercedes website and available for download by respondents and other interested parties. No documents will be faxed or emailed after the initial Notice of Intent prior to award. It is the respondent's sole responsibility to review this site and retrieve all related documents up to the RFP due date.

Vendor Name:



RFP NO. 2022-006

**VOLUME 2-TECHNICAL
SPECIFICATIONS**

**REQUEST FOR PROPOSALS FOR
ASBESTOS ABATEMENT AND
DEMOLITION IN MERCEDES POLICE
DEPARTMENT**

**RESPONSES DUE MARCH 29, 2022
4:00 P.M.**

RFP NO. 2022-006

ASBESTOS ABATEMENT SPECIFICATION

Mercedes Police Department Building
316 South Ohio Avenue
Mercedes, Texas 78570

January 21, 2022

Terracon Project Number: 88217263

Prepared For:

City of Mercedes
Mercedes, Texas 78570

Prepared by:

Terracon Consultants, Inc.
Consulting Engineers & Scientists
Pharr, Texas 78577
(956) 283-8254
TDSHS Consultant Agency License No. 100157



Eloy Palacios
Individual Asbestos Consultant
TDSHS License No. 105727
Expires 11/7/2022

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

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ADDENDA

Abatement Drawing
Asbestos Inspection Report

SCOPE OF WORK - ASBESTOS ABATEMENT

Project: Mercedes Police Department Building
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Mercedes, Texas 78570
Terracon Project No. 88217263

Asbestos abatement will be accomplished in one phase. Asbestos abatement is to be conducted in interior spaces to accommodate renovation activities.

I. Material, Quantity and Location

The work will consist of the removal of the following materials in the approximate quantities listed at the site. All work will be conducted by properly licensed personnel in accordance with applicable Federal, State and Municipal regulations. ***(The quantities listed below are estimates only. The Contractor is responsible for verifying locations and quantities prior to submission of the price quote to the Owner. The Contractor will perform work for the materials indicated, regardless of actual quantities.)***

- Resilient Floor Tile and Mastic – The beige, 1' x 1' floor tile with multi-color specks and yellow mastic (Layer 1), over white floor tile with reddish specks and yellow mastic (Layer 2), over beige floor tile with black mastic (Layer 3) utilized on floors and is assumed to be present beneath mill work of the North Conference Room and observed beneath carpet of Office 2 was found to contain 5% Chrysotile asbestos in the black mastic. The asbestos-containing flooring materials identified were noted to be in good condition and were assessed as non-friable. It is estimated that there exists approximately 770 square feet of these materials on the floors in the North Conference and an Office.

II. Work Practices

A. Respiratory Protection:

During the removal of the asbestos-containing flooring materials, the workers will be required to wear as a **minimum**, half-face respirators equipped with filter cartridges designed for asbestos-containing dusts and mists, vapors, and color coded in accordance with ANSI Z228.2 (1980). Certification that the workers have been fit tested in accordance with current OSHA guidelines will be provided as part of Worker Documentation. In addition, the half-face respirator asbestos cartridges will be piggy backed with organic filters if the submitted MSDS for any mastic removal solvent indicates the need. **The abatement Contractor shall ensure use of appropriate respiratory protection for the work being performed and recognizes that these requirements are only minimum acceptable standards.** The **Contractor** will furnish respirator filter cartridges as required by the

Consultant.

B. Protective Clothing

During removal of the interior asbestos-containing materials, single protective suits, as a minimum, will be worn by the workers and boots, gloves, eye protection and hard hats will be available to each worker as needed. Each suit will be properly disposed of at the conclusion of each work period. The **Contractor** will furnish protective suits for the **Consultant's** use during the project. The workers performing the abatement will decontaminate through a three-chambered wet decontamination system which will be constructed as an integral part of the containment.

C. Containment

A full containment consisting of a double layer of 4-mil poly covering all walls and a double layer of 6-mil poly covering all equipment and/or floor areas not scheduled for removal. Critical barriers consisting of 6-mil poly will be installed on all building openings. Inverted prep will not be required, however, secondary prep above any ceiling areas to be removed may be necessary to maintain negative pressure (minimum of -0.020 in/H²O) in all work areas throughout abatement activities. A functioning manometer will be required to show proof of appropriate pressure. Any remaining furnishings and/or contents will be removed from the work area prior to commencement of work.

The **Contractor** will construct a three-chambered wet decontamination system consisting of a serial arrangement of connected rooms or spaces (Changing Room, Shower Room, and Equipment Room), with overlapping door flaps, constructed as an integral part of any containment. The Decontamination System shower chamber will consist of a hard enclosure with drain and water supply fittings designed for the purpose rather than a disposable/pop up chamber. Disposable/pop up chamber units are acceptable for the clean and dirty room portions of the decontamination system. The **Contractor** shall require all persons without exception to pass through this decontamination unit for entry into and exiting from the work area for any purpose. Do not allow parallel routes for entry or exit.

Changing Room (clean room): Provide a room that is physically and visually separated from the rest of the building for the purpose of changing into protective clothing. Construct using polyethylene sheeting, at least 6-mil in thickness, to provide an airtight seal between the Changing Room and the rest of the building.



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Locate so that access to Work Area from Changing Room is through Shower Room. Separate Changing Room from the building by a polyethylene overlapping flapped doorway.

Maintain the floor of the changing room in a dry and clean condition at all times. Do not allow overflow water from shower to wet the floor in the changing room. Damp wipe all surfaces twice after each shift change with a disinfectant solution.

Provide a continuously adequate supply of disposable bath towels.

Provide all mandated warning signage, and posted information for all emergency phone numbers and procedures.

Shower Room: Provide a completely water tight, design built operational shower to be used for transit by appropriately dressed workers heading into the Work Area from the Changing Room, or for showering by workers headed out of the Work Area after undressing in the Equipment Room.

Construct room by providing a shower pan and 2 shower walls in a configuration that will cause water running down walls to drip into pan. Install a freely draining floor in the shower pan at an elevation that is at the top of pan.

Separate this room from the Changing and Equipment Rooms with moveable overlapping flaps fabricated of 6-mil polyethylene.

Provide splash-proof entrances to Changing and Equipment Rooms with 2 doors arranged in the following configuration:

At each entrance to the Shower Room construct a doorframe out of lumber, PVC Pipe or equivalent. Attach to this door frame two overlapping flaps fastened at the head (top) and jambs (sides). Overlap the flaps that present a shingle-like configuration to the water stream from the shower. Arrange so that any air movement out of the Work Area will cause the flaps to seal against the door frame.

Provide shower head and controls. Provide temporary extensions of existing hot and cold water and drainage, as necessary for a complete and operable shower.

Provide a continuously adequate supply of soap and maintain the area in a sanitary condition. Arrange so that water from showering does not splash into the Changing or Equipment Rooms.



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Provide flexible hose showerhead. Pump wastewater to a sanitary sewer drain or to storage for use in amended water. If pumped to a sanitary sewer drain, provide 20-micron and 5-micron waste water filters in line to drain or waste water storage. Change filters daily or more often if necessary. Provide Hose Bib.

Equipment Room (contaminated area): Require work equipment, footwear and additional contaminated work clothing to be left here. This is a change and transit area for workers. Separate this room from the work area by a 6-mil polyethylene overlapping flap doorway. Separate this room from the rest of the building with airtight walls fabricated of 6-mil polyethylene. Separate this room from the Shower Room and Work Area with airtight walls fabricated of 6-mil overlapping flapped polyethylene.

Work Area: Separate work area from the Equipment Room by polyethylene barriers. If the airborne asbestos level in the work area is expected to be high, add an intermediate cleaning space between the Equipment room and the Work area. Damp wipe clean all surfaces after each shift change. Provide one additional floor layer of 6-mil polyethylene per shift change and remove contaminated layer after each shift.

Waste Load Out Area: where applicable, the **Contractor** will construct a waste load out chamber separately from the three chambered personnel decontamination unit. The waste load out chamber will be connected to the work area, and ingress and egress will be through an overlapping flapped doorway constructed of 6-mil polyethylene sheeting. The exit of the waste load out area will also be constructed with 6-mil polyethylene overlapping flapped doorway. The water generated during the waste load out procedures as a result of cleaning the outside of the bags will be properly filtered and/or containerized prior to discharge into the sanitary sewer.

D. Removal

The **Contractor** will perform the removal and disposal in accordance with current local, state and federal regulations.

- Asbestos-Containing Resilient Floor Tile/Sheet Floor and/or Residual Mastic Materials:** Comply with wet removal procedures. Removal shall be accomplished under negative pressure within a contained area which has an integral three-chamber wet decontamination unit. The full containment will consist of a double layer of 4-mil poly covering all walls not scheduled for removal and a double layer of 6-mil poly covering all floor areas not scheduled for removal within the contained



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area. **If there are areas where the only materials to be removed are flooring and the walls are moisture resistant and may be wet wiped, a modified containment may be utilized. The containment will consist of a single layer of 6-mil poly covering the lower four (4) feet of all wall areas within the contained area.** Critical barriers consisting of 6-mil poly will be installed on all building openings. Additional critical barriers (single layer of 4-mil.) will be required if ceilings consist of porous materials (i.e. spray-on texturizer and suspended acoustical ceiling tile). Negative pressure (minimum of -0.020 in/H²O) will be maintained in all work areas. A functioning manometer will be required to show proof of appropriate pressure. Any remaining furnishings and/or contents will be removed from the work area prior to commencement of work. If any carpeting is glued directly on floor tile and/or mastic, it will be treated as asbestos-containing materials. If any areas of carpeting are installed by tack strips and can be removed without disturbing the underlying floor tile and/or mastic, they can be removed as general construction debris prior to starting the abatement.

The asbestos-containing flooring materials will be addressed as follows: Spray the asbestos-containing flooring materials with amended water or removal encapsulant. During the removal of the flooring materials, continual wetting of the material will occur. Mastic materials will be removed with selected mastic remover and/or by manual methods. A buffer may be used to remove the mastic. The removed materials will be placed in disposable bags as soon as practical, and no later than the end of the work period. Loose (unbagged) waste materials will not remain in the work area after the end of the work shift. The clean substrate surfaces will be encapsulated after passing a visual inspection conducted by a Terracon representative. The waste resulting from the removal operations will be double bagged, labeled and disposed of in accordance with the guidelines discussed in Item E of this section. **If woven poly or burlap bags (onion sacks) are utilized for bagging of waste materials, the woven bags will be double bagged in proper poly disposal bags prior to removal from the containment for loading into the waste receptacle.** All regulated area/containment teardown materials will be treated as ACM.

E. Disposal

1. Once the ACM is removed (including containment construction materials, i.e., poly, tape, etc.) it will be double bagged and labeled in accordance with Texas Department of State Health Services (TDSHS) and OSHA guidelines. Pre-printed Generator Labels shall be affixed to each bag or wrapped component prior to being placed in the lined waste disposal dumpster or trailer.



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- 2. All waste will be labeled in accordance with 29 CFR 1910.1200 (f) of OSHA's Hazard Communication standard, and will contain the following information:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST

CANCER AND LUNG DISEASE HAZARD

- 3. The area between the bag-out area and the prepared waste receptacle shall be regulated with barrier tape during bag-out operations. The waste receptacle will have asbestos specific signage attached during loading and unloading activities. The waste dumpster or trailer shall remain secured during all other periods.
- 4. The waste will be disposed in an approved landfill. The waste will be transported to the landfill in a lined closed top receptacle. Verification of disposal at the landfill will be provided to the Owner by **Contractor** via the TDSHS Waste Manifest.

F. Clearance

Aggressive PCM clearance sampling will be conducted in accordance with the NIOSH 7400 Method A, in any contained area in which abatement has occurred.

III. Contractor Submittals

Submittals required for proper execution include but are not limited to the following:

Pre-Construction Submittals (submitted to **Consultant**)

- Regulatory Notification Information
- Plan of Action
- Fire Action Plan
- Emergency Phone List
- Project Schedule
- Copy of Written Respirator Program which conforms to 29 CFR 1910.134(b)
- OSHA Material Safety and Data Sheets (Product Handling)

Construction Submittals (submitted to **Consultant** before start of work on-site)

- Licenses: Contractor, Supervisor, Transporter(s)
- NESHAP Training Certificate

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Personal Air Monitoring Lab Results
List of Workers
Worker Registration Certificates
Medical Examination Results
Worker Training Certificates
Respiratory Fit Test Certificate
Certificates of Worker Acknowledgement

Project Closeout (submitted to Consultant no later than ten (10) working days following completion of the project)

Contractor's Daily Log
Waste Disposal Manifest Copies
Certificate of Completion (if required)
Releases, Occupancy Permits (if applicable)
Personal Air Monitoring Lab Results (If applicable)

RESUBMISSION:

Revise submittals as required and resubmit as specified for initial submittal. Indicate any changes which have been made other than those requested by **Consultant**.

CONTRACTOR RESPONSIBILITIES:

Illegible submittals will be rejected and returned for re-submittal.

Schedule submittals according to general flow of Work and so as to allow for adequate and timely review of submittals by **Consultant**.

Review submittals prior to submission and submit to **Consultant** in accordance with provisions herein.

Verify field measurements, ACM locations, construction criteria, catalog numbers and similar data.

Coordinate submittals with requirements of Work and Contract Documents.

Contractor's responsibility for errors or omissions is not relieved by **Consultant's** review.

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Contractor's responsibility for deviations from requirements of Contract Documents is not relieved by **Consultant's** review, unless **Consultant** is notified of deviations in writing at time of submittal, and gives written review of specific deviations.

Do not begin work which requires submittals until reviewed submittals have been reviewed and approved by **Consultant**.

If required, reproduce and distribute copies after **Consultant's** review.

CONSULTANT'S RESPONSIBILITIES:

Review submittals within two working days or indicate in writing reasons for reviews which require additional time.

Indicate results of review and return submittals to **Contractor** for distribution.

Consultant is not responsible for verification of field measurements, construction criteria, catalog numbers and other similar data.

Review of separate items does not constitute review of an assembly in which items function.

IV. Construction Notes

The **Contractor** shall be responsible for submission of the TDSHS 10-day Asbestos/Demolition Notification Form. The **Owner** shall be responsible for payment of notification fees associated with the TDSHS Demolition/Renovation form.

The **Contractor** will be responsible for routing water and electricity to the work areas. The **Contractor** shall confirm the presence and location of utilities prior to the start of work and coordinate the routing of the utilities with the **Owner**. All electrical connections and outlets shall be protected at all times by ground fault circuit interrupters. The **Contractor** shall provide routing of water and electrical service for the on-site requirements of the **Consultant**.

The **Contractor** will remove all movable items from the work areas prior to commencement of abatement activities.

The **Contractor** will coordinate security concerns, procedures, background checks, badges, etc. with the **Owner**.

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During the pre-cleaning phase of abatement operations, all exposed non-movable equipment within the work areas will be wet wiped, HEPA vacuumed and covered with 6-mil polyethylene.

The **Contractor** is to be current and in good standing on all asbestos abatement notification fees. The **Owner** reserves the right to verify **Contractor's** standing.

The **Contractor** shall maintain all records required by TDSHS Texas Asbestos Health Protection Rules Section 295.62 Operations: Recordkeeping

Contractor parking and disposal dumpster areas will be as designated by the **Owner**. The **Contractor** will keep work and parking areas clean.

Prior to any asbestos abatement activities the **Contractor** will provide a licensed electrician to provide power lock-out and tag-out of all circuits to be affected by the asbestos abatement activities. Lock-out/Tag-out must meet OSHA 1910.147 requirements. All electrical circuits in the regulated and/or contained area shall have ground-fault interrupter (GFCI) units installed outside the contained work area.

Exhaust negative pressure ventilation system to outside of building. Plywood inserts or a similar hard barrier shall be required for building security on any building openings used for exhaust purposes.

The **Contractor** shall arrange the use of on-site toilet facilities with the Owner or provide temporary self-contained toilet units for use by **Contractor's** personnel throughout the duration of abatement activities.

The **Contractor** shall install one functioning fire extinguisher in the work area for each 1,000 square feet of work area or part thereof. Additional fire extinguishers shall be installed in the Equipment Room and Clean Room of the decontamination unit.

The **Contractor** shall conduct a safety meeting for **Contractor's** employees with emphasis on operation of fire extinguishers and emergency exits in case of fire.

Contractor shall have posted emergency phone numbers for the fire department and police.

Contractor shall store a minimum of volatile substances on the job site and in fire resistant containers only.

The **Contractor** shall provide respirator filter cartridges and protective suits as required for the **Consultant's** use on an as-needed basis during the project.

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The Owner or Consultant may issue a verbal or written Stop Work Order when deemed necessary by the Owner or Consultant at any time during the abatement activities. When a Stop Work Order is issued, the Contractor will cease all activities requested, and shall not resume those activities until authorized by the Owner or Consultant.

V. Products

Amended Water: Provide water to which a surfactant has been added. Use a mixture of surfactant and water which results in wetting of the **ACM** and retardation of fiber release during disturbance of the material. As an option, the **Contractor** may utilize water to which a mild detergent has been added in lieu of a commercially available surfactant product.

Disposal Bags: Provide as a minimum, individual, 6 mil thick, leak-tight, manufactured polyethylene bags.

Disposal Bag Labels: Provide labels with **Owner's** name, **Contractor's** name, Project site address and the following warnings and labels, in accordance with regulatory requirements. Labels shall be lettered with indelible ink.

First Label:

CAUTION
CONTAINS ASBESTOS FIBERS
AVOID OPENING OR BREAKING CONTAINER
BREATHING ASBESTOS IS HAZARDOUS TO YOUR HEALTH

Second Label: Provide in accordance with 29 CFR 1910.1200(f) of OSHA's Hazard Communication standard:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
BREATHING AIRBORNE ASBESTOS, TREMOLITE, ANTHOPHYLLITE, OR
ACTINOLITE FIBERS IS HAZARDOUS TO YOUR HEALTH

Third Label: Provide in accordance with U.S. Department of Transportation Regulation on hazardous waste marking. 49 CFR parts 171 and 172. Hazardous Substances: Final Rule:


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RQ HAZARDOUS
SUBSTANCE,
CLASS 9,
NA 2212, PG III
(ASBESTOS)

Polyethylene Wrap: Provide minimum 6 mil polyethylene sheeting as a wrapping for large sections of rigid waste material and for construction of floors and critical barriers in the containment areas. Provide minimum 4 mil polyethylene sheeting for construction of walls of the containment.

Removal Encapsulant: Provide a penetrating type encapsulant designed specifically for removal of **ACM**. Utilize an encapsulant that will meet or exceed the results produced by use of Amended Water, as described above.

Sprayer: Provide a hand pump type pressure-can garden sprayer fabricated out of either metal or plastic, equipped with a metal wand at the end of a hose that can deliver a stream or spray of liquid under pressure.

Mastic Remover/Solvent: Solvents with a flash point of 140 degrees Fahrenheit or below will not be used.

VI. Air Monitoring Services

The **Consultant** shall verify that the Work performed is in compliance with applicable regulations and that the building areas beyond the Work Area and the outside environment remain free of contamination. This section also sets forth airborne fiber levels both inside and outside the Work Area as action levels, and describes the action required by the **Contractor** if an action level is met or exceeded.

AIR MONITORING:

The **Consultant** will be conducting air monitoring throughout the course of the project.

Base Line Fiber Counts: The **Consultant** will monitor airborne fiber counts prior to start of Work. The purpose of this air monitoring will be to establish existing airborne fiber counts prior to beginning abatement operations.

Work Area Isolation: The **Consultant** will monitor airborne fiber counts outside the Work Area. The purpose of this air monitoring will be to detect faults in the Work Area isolation including, but not limited to, contamination of the building outside of the Work Area with


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airborne asbestos fibers, failure of filtration or rupture in the ventilation system, or contamination of the exterior of the building with airborne asbestos fibers.

Should any of the above occur, the **Contractor** shall immediately cease asbestos abatement activities until the fault is corrected. Work shall not recommence until authorized by the **Consultant**.

Work Area Airborne Fiber Count: The **Consultant** will monitor airborne fiber counts in the Work Area. The purpose of this air monitoring will be to detect airborne fiber counts which may significantly challenge the integrity of Work Area isolation procedures that protect the balance of the building or outside of the building from contamination by airborne fibers.

Final Clearance: The **Consultant** will conduct Final Clearance air sampling in accordance with the Final Clearance Section of this Specification. Aggressive PCM clearance sampling will be conducted in accordance with the NIOSH 7400 Method A, in any contained area in which abatement has occurred. A minimum of three (3) clearance samples will be run for each contained work area at a minimum volume of 1,250 liters per sample.

AIRBORNE FIBER COUNTS:

Inside Work Area: Maintain an average airborne count in the Work Area of less than 0.2 fibers per cubic centimeter. If the fiber counts rise above this figure for any sample taken, revise work procedures to lower fiber counts. If the Time Weighted Average (TWA) fiber count for any Work shift or eight (8) hour period exceeds 0.2 fibers per cubic centimeter, stop Work and leave ventilation system in operation. Do not recommence Work until authorized by the **Consultant**.

Outside Work Area: Maintain an average airborne count outside the Work Area of less than or equal to Base Line.

If any air sample taken outside the Work Area exceeds the Base Line, immediately and automatically stop Work until the source of the high fiber readings can be determined by the **Consultant**. If no outside non-asbestos source can be located by the **Consultant** and if this air sample was taken inside the building and outside of Critical Barriers around the Work Area, immediately erect new Critical Barriers to isolate the affected area from the balance of the building or as instructed by the **Consultant**.

Erect Critical Barriers at the next existing structural isolation of the involved space (e.g. wall, ceiling, floor).

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Decontaminate the affected area in accordance industry standard methods.

Respiratory protection as set forth in the Work Practices Section shall be worn in affected area until area is cleared for reoccupancy.

Leave Critical Barriers in place until completion of Work and insure that the operation of the negative pressure ventilation system in the Work Area results in a flow of air from the balance of the building into the affected area.

If the exit from the clean room of the personnel decontamination unit enters the affected area, establish a new decontamination facility.

After visual inspection in the extended work area, remove Critical Barriers separating the work area from the affected area. Final Clearance air samples will be taken within the entire area.

Fiber Type Disputes: The following procedure will be used to resolve any disputes regarding fiber types when the Project has been stopped due to excessive airborne fiber counts:

Air samples will be secured in the same area by the **Consultant** for analysis by Transmission Electron Microscopy at the option of the **Consultant** and classified as retests and back charged to the **Contractor** in accordance with the procedures in this specification.

ANALYTICAL METHODS:

The following methods will be utilized at the discretion of the **Consultant** in collecting and analyzing air samples:

Phase Contrast Microscopy (NIOSH 7400 Method, Issue 2, Revision 3 or OSHA Reference Method)

Transmission Electron Microscopy (40 CFR Part 763, Subpart E, Appendix A)

SAMPLE PROTOCOLS:

General: The number and volume of air samples taken by the **Consultant** will generally be in accordance with the following schedule. Sample quantities, locations, volumes and methodologies may vary depending upon the analytical method, project layout, procedures used and at the discretion of the **Consultant**.

SCHEDULE OF AIR SAMPLES:

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Base Line Sample Schedule: The **Consultant** will secure the following air samples to establish a Base Line before start of Work. The number of samples may vary according to site plan and on authorization of **Consultant**.

Location Sampled	Minimum Number of Samples	Minimum Volume	Planned Analytical Method
Each Work Area	3	1250 Liters	PCM
Outside Each Work Area	1	1250 Liters	PCM
Outside Building	1	1250 Liters	PCM

Base Line Fiber Level: is an action level expressed in fibers per cubic centimeter which is the larger of either the average of the samples collected outside each work area or 0.01 fibers per cubic centimeter of air. The Base Line samples may be collected but archived (not read) at the discretion of the **CONSULTANT**.

Daily Sample Schedule (per 8-hour work period): The **Consultant** will generally take the following samples on a daily (8-hour work period) basis. The number of samples may vary according to site plan and on authorization of **Consultant**.

Location Sampled	Minimum Number of Samples	Minimum Volume	Planned Analytical Method
Each Work Area	2	500	PCM
Outside Each Work Area/Inside Building	2	500	PCM
Decon Clean Room	2	500	PCM
Output of Negative Pressure Ventilation System	2	500	PCM

If airborne fiber counts exceed baseline limits, additional samples will be taken (and classified as retests) as necessary to monitor fiber levels and confirm sources.

Final Clearance Schedule (per containment): The **Consultant** will collect the following

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samples after completing a visual inspection of the work area. The number of samples may vary according to site plan and on authorization of **Consultant**.

Location Sampled	Minimum Number of Samples	Minimum Volume	Planned Analytical Method
Each Work Area	3	1,250 Liters	PCM
Field Blank	1	N/A	PCM

Release Criteria: Gross decontamination is complete when every Work Area sample is equal to or less than 0.01 fibers/cc or the Base Line outside the Work Area, whichever is greater. If any sample is above the limit indicated, then the gross decontamination is incomplete and recleaning by decontamination procedures and/or ventilation system cycling is required and primary containment barriers cannot be removed.

INSPECTIONS:

The **Consultant**, in addition to providing air monitoring services, will provide full-time, on-site inspection of Work activities. Work shall not proceed without prior notice to the **Consultant** and presence of the **Consultant** on the Work site (requires 48 hours advance notice of Work).

The **Consultant** will conduct the following key Project inspections and no work by the **Contractor** will proceed beyond these points until all discrepancies noted during the inspection have been corrected.

The **Consultant's** inspections do not relieve the **Contractor** of Contract obligations and are not designed to locate all project discrepancies. The **Contractor** is responsible for project quality.

First Key Inspection:

Inspection of Work Area and Containments Prior to Start of Removal: Removal operations shall not proceed until the **Consultant** has completed inspection of the Work Area preparations and until all discrepancies noted have been corrected.


Eloy Palacios / TDSHS IAC # 105727
Expiration Date: 11/7/2022

Asbestos Abatement Specification

Mercedes Police Department Building ■ Mercedes, Texas
January 21, 2022 ■ Terracon Project No. 88217263



Second Key Inspection:

Inspection During Removal: Removal Work shall not be conducted unless the **Consultant** is on the Project site. Daily inspection of the Work Area and Work practices will be conducted; upon discovery and report of a discrepancy the **Contractor** shall immediately stop Work and correct the discrepancy.

Third Key Inspection:

Inspection of Work Area or Containment After Completion of Removal Work, but Prior to Encapsulation and Containment Disassembly: A visual inspection of the Work site and/or Containment areas and removal surfaces will be conducted at this point by the **Consultant** and encapsulation and/or containment disassembly shall not proceed until discrepancies noted have been corrected.

Fourth Key Inspection:

Final Clearance: After encapsulation and final clean-up of the Work Area, but prior to removal of Critical Barriers, the **Consultant** will conduct a visual inspection followed by final air tests. Final air sampling will be conducted in accordance with the Final Clearance Sections of this Specification.

Final Key Inspection:

Project Closeout Inspection: A final inspection will be conducted by the **Consultant** after the **Contractor** has removed Critical Barriers, equipment, and supplies. A Project "Punch List" will be provided of any items requiring correction or completion. Punch List items shall be completed prior to issuance of final completion notice by the **Contractor**.

Discrepancies or needed corrective measures observed by the **Consultant** will be reported to the **Contractor's** Superintendent on-site and shall be immediately corrected.

The above inspections are not necessarily single events. Failed inspections will be re-conducted and time classified as retests and charged back to the **Contractor** in accordance with the project documents.

Inspections will require 24 hours advance notice to the **Consultant**.

PERSONAL MONITORING:


Eloy Palacios / TDSHS IAC # 105727
Expiration Date: 11/7/2022

Asbestos Abatement Specification

Mercedes Police Department Building ■ Mercedes, Texas
January 21, 2022 ■ Terracon Project No. 88217263



The **Contractor** may perform air monitoring as required to meet OSHA requirements for maintenance of Time Weighted Average (TWA) and excursion limit fiber counts for types of respiratory protection provided. The **Consultant** and/or **Owner** will not be providing air monitoring services to meet these OSHA requirements. A listing of all personal monitoring results obtained during the project will be submitted to the **Consultant** with the **Contractor** closeout submittals.

LABORATORY TESTING:

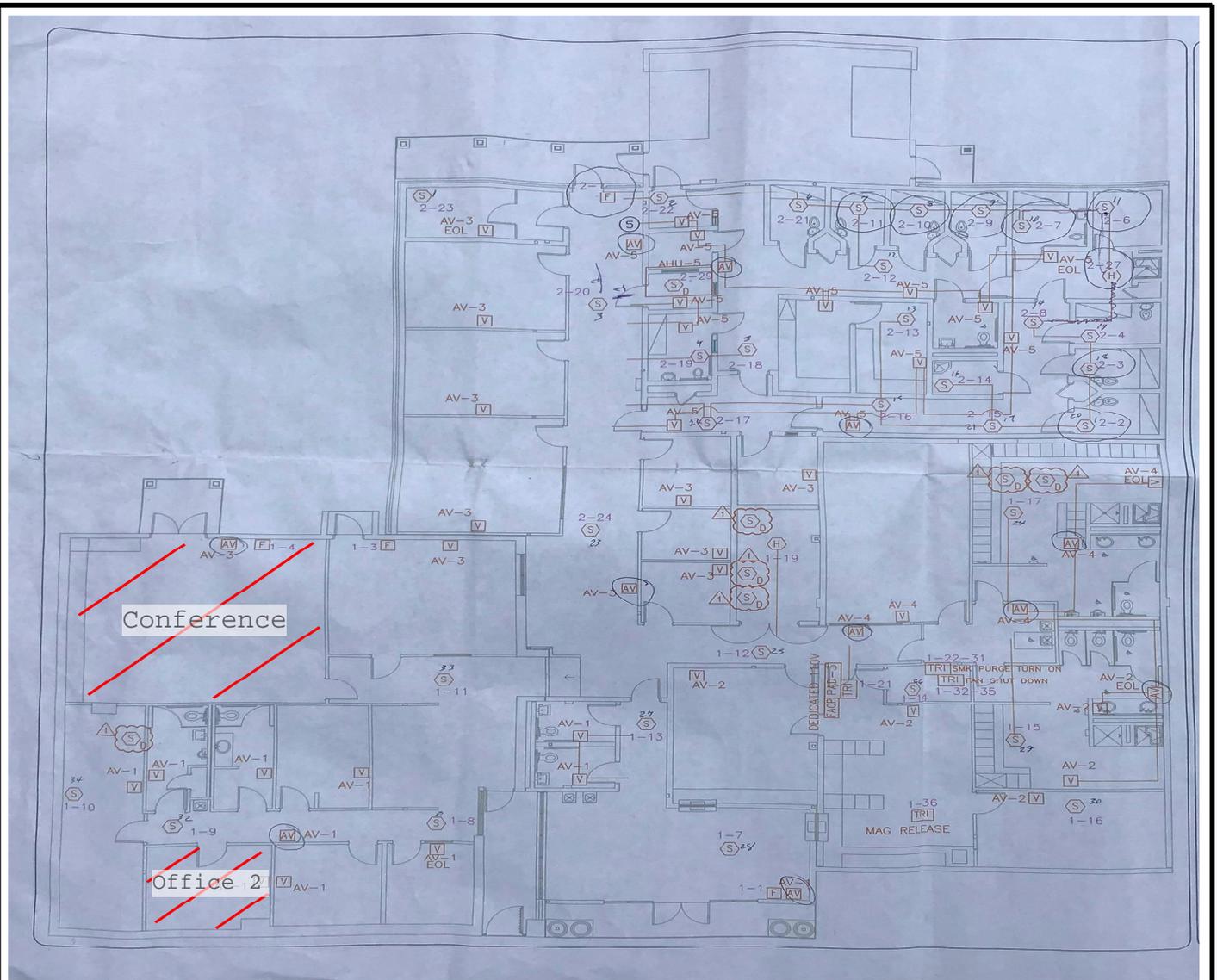
The **Consultant** will perform field analysis of the air samples. A microscope and field laboratory will be set up at the jobsite, at the option of the **Consultant**, so that verbal reports on air samples can be obtained promptly after collection.

Reports to the **Owner** by the **Consultant** will include air monitoring data and pertinent information on work being conducted such as: work hours, number of workers, procedures used, contractor discrepancies and corrective measures, containment methods and construction, and amount of **ACM** removed.

A handwritten signature in blue ink, appearing to read "Eloy Palacios".

Eloy Palacios / TDSHS IAC # 105727
Expiration Date: 11/7/2022

Abatement Drawings



[Handwritten Signature]

Eloy Palacios TDSHS LIC 105727, EXP 11.7.2022

Legend

Red Line – ~770 Sq. Ft. Asbestos Containing Resilient Floor Tile and Black Mastic



POTENTIAL LOCATION TO ESTABLISH 3-STAGE DECONTAMINATION CHAMBER



POTENTIAL LOCATION TO VENT HFU'S TO BUILDING EXTERIOR



Project No. 88217263
Scale: Not to Scale
Drawn By: EP
Date: 12/15/2021

Terracon
 Consulting Engineers & Scientists

1506 Mid Cities Drive Pharr, Texas 78577
 PH. (956) 283-8254 Fax (956) 283-8279

ASBESTOS ABATEMENT DIAGRAM

Mercedes Police Department Building
 316 South Ohio Avenue
 Mercedes, Texas 78570

FIG No.

1

Asbestos Inspection Report Information

Limited Asbestos Survey and Limited Lead-Containing Paint Survey

**Mercedes Police Department Building
316 S. Ohio Avenue
Mercedes, Texas 78570**

May 7, 2021

Terracon Project No. 88207148



Prepared for:

ERO Architects
McAllen, Texas

Prepared by:

Terracon Consultants, Inc.
Pharr, Texas

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

May 7, 2021



ERO Architects
300 S. 8th Street
McAllen, Texas 78501

Attn: Mr. Brian Godinez, CMO
P: (956) 655-4655
E: bgodinez@goERO.com

Re: **Limited Asbestos Survey and Limited Lead-Containing Paint Survey**
Mercedes Police Department Building
316 S. Ohio Avenue
Mercedes, Texas 78570
Terracon Project No. 88207148

Dear Mr. Godinez:

The purpose of this report is to present the results of the limited asbestos survey and limited lead-containing paint survey performed on April 6-8, 2021 in the Mercedes Police Department Building located in Mercedes, Texas. The surveys were conducted in general accordance with Terracon Proposal P88207148, dated August 10, 2020. We understand that this survey was requested to facilitate the planned interior and exterior renovation of the Mercedes Police Department Building.

Asbestos-containing resilient floor tile and black mastic materials were identified within the North Conference Room of the Mercedes Police Department Building. Please refer to the attached report for details.

The majority of the paint/coatings sampled in the building exhibited level of lead below the quantification limit for the analytical method and should present no workforce hazard in a renovation scenario. The off-white paint materials utilized on the exterior elevations of the Mercedes Police Department Building were found to exhibit detectable levels of lead above the laboratory's quantitation limit and are considered to be lead-containing paint. Please refer to the attached report for details.

Terracon Consultants, Inc. 1506 Mid-Cities Drive Pharr, Texas 78577
P [956] 283 8254 F [956] 283 8279 terracon.com



Terracon appreciates the opportunity to provide this service to ERO Architects. If you have any questions regarding this report, please contact the undersigned at (956) 283-8254.

Sincerely,
Terracon Consultants, Inc.

Prepared by:

Tomas Cruz
Individual Asbestos Consultant
TDSHS License No. 105857

Reviewed by:



Richard Ian Howes
Individual Asbestos Consultant/
Lead Abatement Project Designer
License No. 105406/2090034

Inspected by:



Rudy De Leon
Asbestos Inspector
TDSHS License No. 603886

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APPENDIX A – ASBESTOS SURVEY SAMPLE SUMMARY

APPENDIX B – CONFIRMED ASBESTOS-CONTAINING MATERIALS

APPENDIX C – ASBESTOS ANALYTICAL LABORATORY REPORTS

APPENDIX D – LEAD-CONTAINING PAINT SURVEY SAMPLE SUMMARY

APPENDIX E – LEAD-CONTAINING PAINT ANALYTICAL LABORATORY REPORTS

APPENDIX F – LICENSES AND CERTIFICATIONS

APPENDIX G – SAMPLE LOCATION DRAWINGS

**LIMITED ASBESTOS SURVEY AND
LIMITED LEAD-CONTAINING PAINT SURVEY
Mercedes Police Department Building
316 S. Ohio Avenue
Mercedes, Texas
Terracon Project No. 88207148**

1.0 INTRODUCTION

Terracon conducted a limited asbestos-containing materials (ACM) survey and a limited lead-containing paint (LCP) survey of the Mercedes Police Department Building located in Mercedes, Texas. The surveys were conducted in general accordance with Terracon Proposal P88207148, dated August 10, 2020. We understand the purpose of the surveys is to identify and quantify ACM, and LCP associated with the planned interior and exterior renovation areas of Mercedes Police Department Building.

Interior and exterior building materials including the roof, were surveyed, and homogeneous areas of suspect ACM and LCP materials were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in Environmental Protection Agency (EPA) regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA) and the TDSHS Texas Asbestos Health Protection Rules (TAHPR). Samples were delivered to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited and TDSHS licensed laboratory for analysis by Polarized Light Microscopy (PLM) protocol.

The LCP sampling was conducted in general accordance with industry standard practice and was intended to identify and assess the lead content of the materials which might be disturbed in the planned renovations/demolition activities. Bulk samples of suspect LCP materials collected during the survey were analyzed by an American Industrial Hygiene Association (AIHA) accredited laboratory utilizing Atomic Absorption Spectrometry (AAS Flame) methodology.

1.1 Project Objective

We understand the limited surveys were requested to identify and quantify ACM and LCP associated with the planned interior and exterior renovation areas of the Mercedes Police Department Building. The Texas Asbestos Health Protection Rules (TAHPR) and EPA regulation 40 CFR 61, Subpart M, the National Emission Standards for Hazardous Air Pollutants (NESHAP) prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities and require that an asbestos survey be performed prior to renovation or demolition activities.

The Texas Department of State Health Services (TDSHS) regulates asbestos-related activities in the State of Texas. The TDSHS Texas Asbestos Health Protection Rules (TAHPR) require that a licensed Asbestos Inspector conduct an asbestos survey which conforms to generally accepted industry standards such as the protocol specified in 40 CFR Part 763.85, commonly referred to as the Asbestos Hazard Emergency Response Act (AHERA) that applies to schools. Other factors are taken into consideration when determining the best method to determine the location, extent and condition of Asbestos-Containing Materials (ACMs) in a non-school building.

The asbestos NESHAP, which is enforced by the TDSHS, requires that prior to the commencement of demolition or renovation, that the facility or part of the facility affected be thoroughly inspected for the presence of both Friable (Regulated Asbestos-Containing Building Materials), and Non-Friable (Category I & II Asbestos-Containing Materials). The Occupational Health and Safety Administration (OSHA) has promulgated a worker protection standard for the disturbance of asbestos during renovation and demolition projects.

The Occupational Safety and Health Administration (OSHA) considers paint containing any level of lead above the analytical method detection limit a potential hazard which should be communicated to any employees or contractors who may disturb the materials in the course of their assigned work.

OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminants. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee cannot be exposed above the action level during any process, operation, or activity) the analysis of bulk or surface samples cannot be used to determine employee airborne exposure.

2.0 BUILDING DESCRIPTION

The Mercedes Police Department Building is a single-story structure, with stucco veneer, on steel and wood framing, atop a concrete slab foundation, and with built-up roofing. Interior flooring materials consist of resilient floor tile and mastic, ceramic tile with grout/thinset, carpet and mastic, and textured concrete. Walls are finished with painted and textured drywall construction, ceramic tile with grout/thinset, concrete masonry unit (CMU) block, brick, wood panels, and lower wall cove base and mastic materials. Ceilings are finished with suspended acoustical ceiling tiles and drywall construction materials. Heating, Ventilation, and Air Conditioning (HVAC), and mechanical equipment was observed within the building, in mechanical closet spaces, and above ceilings.

3.0 FIELD INSPECTION ACTIVITIES

The surveys were conducted by Mr. Rudy De Leon, a State of Texas licensed Asbestos Inspector, and Mr. Tomas Cruz, a State of Texas licensed Individual Asbestos Consultant, all employed by Terracon. Copies of the licenses/certificates are attached in Appendix F. The asbestos survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763 (ASHERA). The lead testing was conducted in general accordance with industry standard practice to collect data for US EPA and OSHA project compliance. A summary of survey activities is provided below.

3.1 Visual Assessment

Our survey activities began with the visual observation of the interior and exterior areas of the Mercedes Police Department Building where renovations are planned, to identify homogeneous areas of suspect ACM in the planned path of construction. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. The assessment was conducted throughout visually accessible areas of the building. Materials identified as concrete, glass, wood, masonry, metal or rubber were not considered suspect ACM.

As per the Client's request, the survey of the Mercedes Police Department Building included an assessment and sampling of the interior floor, wall, ceiling, HVAC and mechanical equipment components, and exterior elevation and roof materials of the structure. Suspect materials located behind mirrors or within CMU block were not sampled in order to prevent excessive damage to the material. Suspect materials, such as vermiculite fill, mastic or other materials (i.e. overspray texturizers) which were not accessible on the day of the survey should be sampled prior to demolition or renovation activities if the activities will disturb these materials.

Terracon visually assessed interior and exterior Mercedes Police Department Building work areas of the building to identify painted/coated surfaces with suspect LCP. Painted/coated surfaces which appear similar throughout in terms of color, texture, substrate and date of application are treated as a homogeneous material for paint chip collection purposes. Painted/coated surfaces were visually assessed for evidence of distress, flaking, chipping and/or peeling

3.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

A physical assessment of each paint/coated surface was conducted to assess its condition. The painted/coated surfaces were assessed to be in good, fair or poor condition depending on degree of cracking, flaking, chipping and/or peeling.

3.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA and TAHPR sampling protocols. Random samples of suspect materials were collected in each homogeneous area. Sample team members collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Ninety-four (94) bulk samples were collected from twenty-eight (28) homogeneous areas of suspect ACM. A summary of suspect ACM samples collected during the survey is included as Appendix A. Sample location drawings are included as Appendix F.

Based on results of the visual observation, paint chip samples of suspect LCP materials were collected in general accordance with industry standard practice. Random samples of suspect materials were collected from each observed paint combination. The sample team member collected bulk samples, the samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Seventeen (17) bulk samples were collected from different paint materials utilized on a variety of interior and exterior walls, doors, door frames, window frames, floors, light fixtures, HVAC vent grilles, ramp safety rails, and stormwater gutters associated with the Mercedes Police Department Building. A summary of the suspect LCP samples collected during the survey is included as Appendix D. Sample location drawings are included as Appendix G.

3.4 Sample Analysis

Bulk suspect asbestos samples were submitted under chain of custody to Moody Labs of Farmers Branch, Texas for analysis by PLM with dispersion staining techniques per EPA's Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116). The percentage of asbestos, where applicable, was determined by microscopy visual estimation. Moody Labs is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 102056-0) and licensed by the TDSHS (License Number 30-0084). Reports of laboratory analysis of all suspect asbestos samples collected, and sample chain-of-custody documentation are included in Appendix C.

Bulk samples of the suspect lead-containing paint materials collected during the survey were analyzed by Environmental Hazards Services (EHS), L.L.C., an American Industrial Hygiene Association (AIHA) accredited laboratory utilizing Atomic Absorption Spectrometry (AAS Flame)

methodology. Reports of laboratory analysis of the suspect lead-containing paint samples collected, and sample chain-of-custody documentation are included in Appendix E.

4.0 REGULATORY OVERVIEW

The State of Texas has established the Texas Asbestos Health Protection Rules (TAHPR) which requires any asbestos-related activity to be performed by an individual licensed by the State of Texas, through the TDSHS. An asbestos related activity consists of the disturbance (whether intentional or unintentional), removal, encapsulation, or enclosure of asbestos, including preparations or final clearance, the performance of asbestos surveys, the development of management plans and response actions, asbestos project design, the collection or analysis of asbestos samples, monitoring for airborne asbestos, bidding for a contract for any of these activities, or any other activity required to be licensed under TAHPR.

Abatement must be performed by a State of Texas licensed asbestos abatement contractor in accordance with a project design prepared by a State of Texas licensed asbestos consultant. In addition, third party air monitoring must be conducted during the abatement activities.

The asbestos NESHAP (40 CFR Part 61 Subpart M) regulates asbestos fiber emission and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packing, gaskets, resilient floor coverings and asphalt roofing products containing more than 1% asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and II non-friable ACM in poor condition and has become friable or which will be subject to drilling, sanding, grinding, cutting, or abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM). RACM must be removed prior to renovation or demolition activities.

The TAHPR and NESHAP require that written notification be submitted before beginning renovation projects which include the disturbance of any asbestos-containing material (ACM) in a building or facility, or before the demolition of a building or facility, even when no asbestos is present. This written notification must be provided to the TDSHS at least 10 working days prior to the commencement of asbestos abatement or demolition activities. Removal of RACM must be conducted by a State of Texas licensed asbestos contractor. In addition, third party air monitoring must be performed during the abatement.

The OSHA Asbestos standard for the construction industry (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc).

The OSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States that administer their own federally approved state OSHA programs may require other precautions.

The State of Texas has established the Texas Environmental Lead Reduction Rules (TELRR) Texas Administrative Code (TAC), Title 25, Part 1, Chapter I, Subchapter 295 to establish the means to control and minimize public exposure to lead by regulating lead-based paint activities in target housing and child-occupied facilities. The TELRR contains procedures and requirements for the accreditation of lead training providers, procedures and requirements for the certification of individuals and firms engaged in lead-based paint activities and standards for performing such activities in target housing and child-occupied facilities. The TELRR requires that all lead-containing paint activities in target housing and child-occupied facilities be performed by certified individuals. Regulatory agencies (HUD, TDSHS) have defined LCP as a paint or other surface coating that contain equal to or greater than $\geq 5,000$ parts per million (ppm) of lead or more than 0.5% of lead by weight for buildings that meet the definition of target housing.

OSHA does not define the amount of lead in paint that constitutes LCP. The OSHA lead standard for construction (29 Code of Federal Regulations (CFR) 1926.62) applies to construction work where an employee may be occupationally exposed to lead. All work related to construction, alteration, or repair (including painting and decorating) is included. The lead standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon on the method of removal and other workplace conditions. Under this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present
- Removal or encapsulation of materials containing lead
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead
- Installation of products containing lead
- Lead contamination/emergency clean-up
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed
- Maintenance operations associated with construction activities described above

Employers must assure that no employee will be exposed to lead at concentrations greater than the permissible exposure limit (PEL) of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) as an 8-hour time-weighted average (8-hr TWA). The OSHA standard also establishes an action level (AL) of 30 $\mu\text{g}/\text{m}^3$, which if exceeded, triggers certain requirements, including periodic exposure monitoring and medical monitoring. The standard requires initial monitoring to evaluate employee exposures.

If results are below the AL, no further action is required. If results exceed the AL, exposure monitoring must be repeated every six months, a medical surveillance program must be instituted, and employees must be provided with training about lead. If results exceed the PEL, additional requirements are triggered.

5.0 FINDINGS AND RECOMMENDATIONS

Laboratory analysis confirmed the presence of asbestos-containing materials within the Mercedes Police Department Building. A summary of the classification, condition and approximate quantity of confirmed ACM is presented in Appendix B. Laboratory analytical reports are included in Appendix C.

Based on the results of the laboratory analyses, asbestos was confirmed in the following materials:

- Resilient Floor Tile and Mastic – The beige, 1' x 1' floor tile with multi-color specks and yellow mastic (Layer 1), over white floor tile with reddish specks and yellow mastic (Layer 2), over beige floor tile with black mastic (**Layer 3**) utilized on the floors in the North Conference Room was found to contain 5% Chrysotile asbestos in the black mastic of **Layer 3**. The asbestos-containing flooring materials identified were noted to be in good condition and were assessed as non-friable. It is estimated that there exists approximately 640 square feet of these materials on the floors in the North Conference Room of the Mercedes Police Department Building.

None of the other suspect building materials sampled and analyzed from the Mercedes Police Department Building work areas were found to contain asbestos. It should be noted that suspect materials, other than those identified during the April 6-8, 2021 survey may exist within the building. Should suspect materials other than those which were identified during this survey be uncovered prior to or during the renovation process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

As it is understood renovation operations which may disturb the asbestos-containing materials located within the North Conference Room, it is recommended that the affected materials be removed. It is recommended that any removal of asbestos-containing materials associated with the interior areas of the structure be conducted by trained and licensed asbestos abatement personnel working under the requirements of the TDSHS Texas Asbestos Health Protection Rules.

According to TDSHS Texas Asbestos Health Protection Rules, a removal project involving the removal of more than 160 square feet or 260 linear feet of asbestos-containing materials would need to be designed by a licensed Individual Asbestos Consultant. Air monitoring by a licensed third-party Air Monitor would be required during the actual removal work regardless of the size of the project. Terracon would be pleased to provide the Client with a proposal for developing

asbestos abatement specifications and for performing abatement oversight and air monitoring upon request.

Compliance with applicable OSHA regulations is the responsibility of the contractor performing the work and it is recommended that they be required to demonstrate that they have communicated potential asbestos hazards to their workforce and utilize wet removal techniques.

If the Client does not remove all of the resilient floor tile and mastic materials identified, the asbestos-containing materials which will remain in the building should be managed in place. This in-place management should include such operations as repairing any damaged asbestos-containing materials, protecting the remaining asbestos-containing materials from further damage, and developing a plan to periodically monitor the condition of the asbestos-containing materials. Notification of the presence of the materials should also be made to residents, employees and outside contractors so that they do not inadvertently disturb the remaining asbestos-containing materials.

It is important to note that state and federal regulations require a ten working day notification prior to any demolition or renovation activities in a building that affords public access or occupancy, regardless of whether asbestos is present or not. These activities must be performed in accordance with the current TDSHS, EPA, and OSHA guidelines.

Sixteen (16) of the seventeen (17) paint coatings sampled and analyzed as part of this survey were found to contain lead in concentrations below the detection limit and should present no OSHA workforce hazard:

Laboratory analytical reports are included in Appendix E.

- L01 – The yellow paint material applied to the CMU block walls in portions of the West Entrance, Northwest Offices, and Jail Cells Area was found to contain <45 ppm lead. Where observed, this material was found to be in good condition.
- L02 – The yellow paint material applied to the drywall construction walls located in the majority of the Mercedes Police Department Building was found to contain <48 ppm lead. Where observed, this material was found to be in good condition.
- L03 – The blue-grey paint material applied to the metal doors and door frames in the Northeast Hallway was found to contain <37 ppm lead. Where observed, this material was found to be in good condition.
- L04 – The yellow paint material applied to wood panel walls in the Northwest Hallway adjacent to the Police Chief’s Office was found to contain <42 ppm lead. Where observed, this material was found to be in good condition.
- L05 – The yellow paint material applied to the window and door frames in the Police

Chief's Office and North Conference Room was found to contain <35 ppm lead. Where observed, this material was found to be in good condition.

- L06 – The blue paint material applied to the drywall construction walls in the North Conference Room was found to contain <46 ppm lead. Where observed, this material was found to be in good condition.
- L07 – The white paint material applied to the wood cove base in the Northwest Hallways, North Conference Room, and Police Chief's Office was found to contain <40 ppm lead. Where observed, this material was found to be in good condition.
- L08 – The blue paint material applied to the CMU block east wall in the North Conference Room was found to contain <39 ppm lead. Where observed, this material was found to be in good condition.
- L09 – The yellow paint material applied to the brick walls in the Hallway south of the Police Chief's Office was found to contain <35 ppm lead. Where observed, this material was found to be in good condition.
- L10 – The blue paint material applied to the metal doors, door frames and window frames in the Jail Cells Area was found to contain <38 ppm lead. Where observed, this material was found to be in good condition.
- L11 – The grey paint material applied to the concrete floors in the Jail Cells Area was found to contain <42 ppm lead. Where observed, this material was found to be in fair condition.
- L12 – The white paint material applied to the metal light fixtures and HVAC vent grilles in the Jail Cells Area was found to contain <42 ppm lead. Where observed, this material was found to be in fair condition.
- L13 – The white paint material applied to the drywall construction walls in the Office south of the Police Chief's Office was found to contain <43 ppm lead. Where observed, this material was found to be in good condition.
- L14 – The brown paint material applied to the exterior stucco walls of the Mercedes Police Department Building was found to contain <42 ppm lead. Where observed, this material was found to be in good condition.
- L16 – The brown paint material applied to the exterior ramp metal safety rails and metal stormwater gutters of the Mercedes Police Department Building was found to contain <49 ppm lead. Where observed, this material was found to be in good condition.
- L17 – The white paint material applied to the CMU block walls in the Uniform Storage

Room was found to contain <36 ppm lead. Where observed, this material was found to be in good condition.

One (1) of the seventeen (17) bulk materials sampled and analyzed as part of this survey were found to contain lead in a concentration exceeding the detection limit, but less than 5,000 PPM which would render the material “Lead-Containing” and be considered a potential hazard by OSHA:

- L15 – The off-white paint material applied to the exterior stucco walls of the Mercedes Police Department Building was found to contain 58 ppm lead. Where observed, this material was found to be in good condition.

In areas where the Client does not intend to renovate or demolish the facility, the lead-containing paint materials, which will remain in the facility, should be managed in place. It is recommended that this in-place management should include such operations as stabilizing or repairing any damaged materials, protecting the remaining lead-containing paint materials from further damage, and developing a plan to periodically monitor the condition of the lead-containing paint materials. Notification of the presence of the materials should also be made to employees and outside contractors so that they do not inadvertently disturb the remaining lead-containing paint materials.

In areas where the renovation/demolition project which could disturb the lead-containing materials within the facility is to be conducted, it is recommended that contracting personnel who may disturb the paint materials within the facility be made aware of the lead content in the materials so that they may exercise proper OSHA procedures for personnel protection or possibly employ protective procedures when working with the coatings.

It is recommended that any painted metal building components which are to be removed from the facility be segregated from the waste stream and be transferred to a suitable metal recycling facility.

As the facility is not Target Housing, HUD and TDSHS lead regulations do not apply to operations within the facility. It is, however, recommended that they be consulted as a general guideline for occupant protection and that OSHA notification be made to all employees or contractors working on any repair, renovation or demolition projects within the facility.

Compliance with applicable OSHA lead regulations is the responsibility of the contractor performing the work and it is recommended that they be required to communicate potential lead hazards to their workforce and utilize lead-safe work practices such as outlined in the EPA Renovation, Repair, and Painting (RRP) Final Rule (40 CFR 745) or applicable portions of the Structural Steel Painting Council (SSPC) Guidelines. It is further recommended that activities such as flame/torch dismantling, dry sanding and/or dry grinding of any components with lead-

containing materials applied should be prohibited as part of any repair, renovation or demolition activity.

6.0 GENERAL COMMENTS

This limited ACM survey and limited LCP survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date.

This report has been prepared on behalf of and exclusively for use by ERO Architects for specific application to their project as discussed.

This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

**APPENDIX A
ASBESTOS SURVEY SAMPLE SUMMARY**

APPENDIX A
ASBESTOS SURVEY SAMPLE SUMMARY
Mercedes Police Department Building
316 S. Ohio Avenue
Mercedes, Texas
Terracon Project No. 88207148

SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
1/1	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-color Specks and Yellow Mastic	Utilized on the majority of the floors in the Offices and Hallways	Dispatch Room, NWC	NAD
2/1	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-color Specks and Yellow Mastic	Utilized on the majority of the floors in the Offices and Hallways	Office 5, NEC	NAD
3/1	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-color Specks and Yellow Mastic	Utilized on the majority of the floors in the Offices and Hallways	Women's Locker Room, SEC	NAD
4/2	Concrete Texture – Grey	Utilized on the floors in Jail Cells Area	Jail Cells Hallway, SWC	NAD
5/2	Concrete Texture – Grey	Utilized on the floors in Jail Cells Area	Jail Cell #3, SEC	NAD
6/2	Concrete Texture – Grey	Utilized on the floors in Jail Cells Area	Hallway outside Cell #6, NWC	NAD
7/3	Carpet Mastic – Yellow	Utilized on the floors in the Police Chief's Office, Office C10, and Office #2	Police Chief's Office, NEC	NAD
8/3	Carpet Mastic – Yellow	Utilized on the floors in the Police Chief's Office, Office C10, and Office #2	Office C10, NWC	NAD
9/3	Carpet Mastic – Yellow	Utilized on the floors in the Police Chief's Office, Office C10, and Office #2	Office #2, NWC	NAD
10/4	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Northwest Men's and Women's Restrooms	Men's Restroom, NWC	NAD

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11/4	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Northwest Men’s and Women’s Restrooms	Women’s Restroom, NEC	NAD
12/4	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Northwest Men’s and Women’s Restrooms	Men’s Restroom, NEC	NAD
13/5	Ceramic Tile – Grout/Thinset	Utilized on the lower walls of the Northwest Men’s and Women’s Restrooms	Men’s Restroom, NWC	NAD
14/5	Ceramic Tile – Grout/Thinset	Utilized on the lower walls of the Northwest Men’s and Women’s Restrooms	Women’s Restroom, NWC	NAD
15/5	Ceramic Tile – Grout/Thinset	Utilized on the lower walls of the Northwest Men’s and Women’s Restrooms	Women’s Restroom, SWC	NAD
16/6	Cove Base Mastic – Yellow	Utilized on the lower walls in the majority of the Offices and Hallways	Mechanical Room, SWC	NAD
17/6	Cove Base Mastic – Yellow	Utilized on the lower walls in the majority of the Offices and Hallways	Weapons Room, SEC	NAD
18/6	Cove Base Mastic – Yellow	Utilized on the lower walls in the majority of the Offices and Hallways	Electrical Room, NWC	NAD
19/7	CMU Texture – Yellow	Utilized on the portions of walls in the Entrance, Entrance Hallways, and Secretary Room	Entrance, SWC	NAD
20/7	CMU Texture – Yellow	Utilized on the portions of walls in the Entrance, Entrance Hallways, and Secretary Room	Secretary Room, West Wall	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
21/7	CMU Texture – Yellow	Utilized on the portions of walls in the Entrance, Entrance Hallways, and Secretary Room	Office C10, SWC	NAD
22/7	CMU Texture – Yellow	Utilized on the walls in the Entrance, Entrance Hallways, and Secretary Room	Office #2, SWC	NAD
23/7	CMU Texture – Yellow	Utilized on the walls in the Entrance, Entrance Hallways, and Secretary Room	Uniform Room, NWC	NAD
24/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Dispatch Room, SEC	NAD
25/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Main Hallway, SEC	NAD
26/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Uniform Room, NEC	NAD
27/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Conference Room, SEC	NAD

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Mercedes, Texas
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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
28/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Conference Room #2, SEC	NAD
29/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Office #4, SEC	NAD
30/8	Drywall Construction – Yellow, Blue, and Off-white, with Medium Texture	Utilized on the majority of the walls in the Offices, Hallways, Mechanical/Electrical Rooms, and Restrooms	Office #5, SWC	NAD
31/9	Brick Texture – Yellow	Utilized on a portion of the Main Hallway and Jail Cells Area Hallway	Main Hallway, NWC	NAD
32/9	Brick Texture – Yellow	Utilized on a portion of the Main Hallway and Jail Cells Area Hallway	Jail Cells Hallway by Cell #2, NWC	NAD
33/9	Brick Texture – Yellow	Utilized on a portion of the Main Hallway and Jail Cells Area Hallway	Main Hallway, NEC	NAD
34/10	Suspended Acoustical Ceiling Tile – 2' x 4', White with Pinholes and Fissures	Utilized on the ceilings in the majority of the Mercedes Police Department Building	Records Room, NWC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
35/10	Suspended Acoustical Ceiling Tile – 2’ x 4’, White with Pinholes and Fissures	Utilized on the ceilings in the majority of the Mercedes Police Department Building	Storage Room, NEC	NAD
36/10	Suspended Acoustical Ceiling Tile – 2’ x 4’, White with Pinholes and Fissures	Utilized on the ceilings in the majority of the Mercedes Police Department Building	Electrical Room, SWC	NAD
37/11	Drywall Construction – Yellow with Smooth Texture	Utilized on the ceilings in the Jails Cells Area	West Jail Cells Hallway, NWC	NAD
38/11	Drywall Construction – Yellow with Smooth Texture	Utilized on the ceilings in the Jails Cells Area	Janitor Room, SEC	NAD
39/11	Drywall Construction – Yellow with Smooth Texture	Utilized on the ceilings in the Jails Cells Area	Booking Room, NEC	NAD
40/12	Drywall Construction – with Joint Compound (No Texture, No Paint)	Utilized on a portion of the walls in the West Entrance Hallway, Mechanical Room, Dispatch Room IT Closet, and Northwest Jail Cells Hallway	IT Closet in Dispatch Room, NWC	NAD
41/12	Drywall Construction – with Joint Compound (No Texture, No Paint)	Utilized on a portion of the walls in the West Entrance Hallway, Mechanical Room, Dispatch Room IT Closet, and Northwest Jail Cells Hallway	IT Closet in Dispatch Room, SWC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
42/12	Drywall Construction – with Joint Compound (No Texture, No Paint)	Utilized on a portion of the walls in the West Entrance Hallway, Mechanical Room, Dispatch Room IT Closet, and Northwest Jail Cells Hallway	Northwest Jail Cells Hallway, NWC	NAD
43/13	Wood Panel Mastic – Beige	Utilized on a portion of the walls in the Hallway west of the Police Chief's Office	Hallway, NWC	NAD
44/13	Wood Panel Mastic – Beige	Utilized on a portion of the walls in the Hallway west of the Police Chief's Office	Hallway, NWC	NAD
45/13	Wood Panel Mastic – Beige	Utilized on a portion of the walls in the Hallway west of the Police Chief's Office	Hallway, NWC	NAD
46/14	Window/Door Frame Caulking – White	Utilized around the window and door frames in the majority of the Mercedes Police Department Building	Electrical Room Door Frame	NAD
47/14	Window/Door Frame Caulking – White	Utilized around the window and door frames in the majority of the Mercedes Police Department Building	Office #5 Door Frame	NAD
48/14	Window/Door Frame Caulking – White	Utilized around the window and door frames in the majority of the Mercedes Police Department Building	Juvenile Room Door Frame	NAD
49/15	Window Frame Caulking – Grey	Utilized on the Window Frames of the West Entrance	West Entrance Window Frame, NWC	NAD
50/15	Window Frame Caulking – Grey	Utilized on the Window Frames of the West Entrance	West Entrance Window Frame, NWC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
51/15	Window Frame Caulking – Grey	Utilized on the Window Frames of the West Entrance	West Entrance Window Frame, NWC	NAD
52/16	HVAC Duct Mastic – Grey	Utilized on the HVAC duct seams above the ceilings	Jail Cells Hallway #2, SEC	NAD
53/16	HVAC Duct Mastic – Grey	Utilized on the HVAC duct seams above the ceilings	Conference Room, NWC	NAD
54/16	HVAC Duct Mastic – Grey	Utilized on the HVAC duct seams above the ceilings	Records Room, NEC	NAD
55/17	Fire Caulking – Red	Utilized on portions of the walls above the ceilings	Dispatch Room IT Closet, SEC	NAD
56/17	Fire Caulking – Red	Utilized on portions of the walls above the ceilings	Electrical Room, SWC	NAD
57/17	Fire Caulking – Red	Utilized on portions of the walls above the ceilings	Jail Cells Hallway #2, SEC	NAD
58/18	HVAC Duct Mastic – Brown	Utilized on the HVAC duct seams above the ceiling in the Secretary Area west of the Police Chief's Office, Jail Cells #2 Hallway, and Records Room	Secretary Area, NEC	NAD
59/18	HVAC Duct Mastic – Brown	Utilized on the HVAC duct seams above the ceiling in the Secretary Area west of the Police Chief's Office, Jail Cells #2 Hallway, and Records Room	Jail Cells Hallway #2, NEC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
60/18	HVAC Duct Mastic – Brown	Utilized on the HVAC duct seams above the ceiling in the Secretary Area west of the Police Chief’s Office, Jail Cells #2 Hallway, and Records Room	Records Room, SEC	NAD
61/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, NWC	NAD
62/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, NWC	NAD
63/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, NWC	NAD
64/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, SWC	NAD
65/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, SWC	NAD
66/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, SEC	NAD
67/19	Stucco Texture – Beige and Brown	Utilized on the exterior walls of the Mercedes Police Department Building	Exterior, NEC	NAD
68/20	Plaster on Mortar – White	Utilized on the exterior porch ceiling at the Northwest Entrance	Northwest Entrance, NWC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
69/20	Plaster on Mortar – White	Utilized on the exterior porch ceiling at the Northwest Entrance	Northwest Entrance, NWC	NAD
70/20	Plaster on Mortar – White	Utilized on the exterior porch ceiling at the Northwest Entrance	Northwest Entrance, NWC	NAD
71/21	Window Frame Caulking – Dark Grey	Utilized around the west exterior window frames	Exterior, NWC	NAD
72/21	Window Frame Caulking – Dark Grey	Utilized around the west exterior window frames	Exterior, NWC	NAD
73/21	Window Frame Caulking – Dark Grey	Utilized around the west exterior window frames	Exterior, NWC	NAD
74/22	Built-Up Roof Membrane with Gravel	Utilized as the majority of the field of roof for the Mercedes Police Department Building	Roof, NWC	NAD
75/22	Built-Up Roof Membrane with Gravel	Utilized as the majority of the field of roof for the Mercedes Police Department Building	Roof, NWC	NAD
76/22	Built-Up Roof Membrane with Gravel	Utilized as the majority of the field of roof for the Mercedes Police Department Building	Roof, SWC	NAD
77/23	Built-Up Roof Membrane	Utilized as the field of roof for the northwest portion of the Mercedes Police Department Building	Roof, NWC	NAD
78/23	Built-Up Roof Membrane	Utilized as the field of roof for the northwest portion of the Mercedes Police Department Building	Roof, NWC	NAD

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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
79/23	Built-Up Roof Membrane	Utilized as the field of roof for the northwest portion of the Mercedes Police Department Building	Roof, SEC	NAD
80/24	Roof Flashing Mastic – Grey	Utilized as roof flashing mastic on vent pipes and HVAC curbs of the Mercedes Police Department Building	Roof, SEC	NAD
81/24	Roof Flashing Mastic – Grey	Utilized as roof flashing mastic on vent pipes and HVAC curbs of the Mercedes Police Department Building	Roof, SWC	NAD
82/24	Roof Flashing Mastic – Grey	Utilized as roof flashing mastic on vent pipes and HVAC curbs of the Mercedes Police Department Building	Roof, NEC	NAD
83/25	Roof Caulking – White	Utilized around the edges of the roof of the Mercedes Police Department Building	Roof, SEC	NAD
84/25	Roof Caulking – White	Utilized around the edges of the roof of the Mercedes Police Department Building	Roof, NWC	NAD
85/25	Roof Caulking – White	Utilized around the edges of the roof of the Mercedes Police Department Building	Roof, SWEC	NAD

APPENDIX A
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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
86/26	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-Color Specks and Yellow Mastic (Layer1); over White Floor Tile with Reddish Specks and Yellow Mastic (Layer 2); over Beige Floor Tile with Black Mastic (Layer 3)	Utilized on the floors throughout the North Conference Room	North Conference Room, SWC	5% Chrysotile Detected in Black Mastic
87/26	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-Color Specks and Yellow Mastic (Layer1); over White Floor Tile with Reddish Specks and Yellow Mastic (Layer 2); over Beige Floor Tile with Black Mastic (Layer 3)	Utilized on the floors throughout the North Conference Room	North Conference Room, SWC	5% Chrysotile Detected in Black Mastic

APPENDIX A
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SAMPLE NUMBER/ HOMOGENEOUS NUMBER	TYPE OF MATERIAL	HOMOGENEOUS AREA	SAMPLE LOCATION	LAB RESULTS
88/26	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-Color Specks and Yellow Mastic (Layer1); over White Floor Tile with Reddish Specks and Yellow Mastic (Layer 2); over Beige Floor Tile with Black Mastic (Layer 3)	Utilized on the floors throughout the North Conference Room	North Conference Room, SWC	5% Chrysotile Detected in Black Mastic
89/27	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Men's and Women's Locker Rooms	Women's Locker Room, NEC	NAD
90/27	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Men's and Women's Locker Rooms	Men's Locker Room, NWC	NAD
91/27	Ceramic Tile – Grout/Thinset	Utilized on the floors in the Men's and Women's Locker Rooms	Men's Locker Room, NEC	NAD
92/28	Pipe Insulation Mastic – White	Applied to the seams and elbows of the Domestic Water Supply Lines located in the Jail Cells Area	Cell #7 Area, NWC	NAD
93/28	Pipe Insulation Mastic – White	Applied to the seams and elbows of the Domestic Water Supply Lines located in the Jail Cells Area	Cell #7 Area, NWC	NAD
94/28	Pipe Insulation Mastic – White	Applied to the seams and elbows of the Domestic Water Supply Lines located in the Jail Cells Area	Cell #7 Area, NWC	NAD

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NAD = No Asbestos Detected

NWC = Northwest Corner

NEC = Northeast Corner

SWC = Southwest Corner

SEC = Southeast Corner

HVAC = Heating, Ventilation and Air Conditioning

APPENDIX B

CONFIRMED ASBESTOS-CONTAINING MATERIALS

APPENDIX B
CONFIRMED ASBESTOS-CONTAINING MATERIALS
Mercedes Police Department Building
316 S. Ohio Avenue
Mercedes, Texas
Terracon Project No. 88207148

HOMO NO.	MATERIAL DESCRIPTION	HOMOGENEOUS AREA	PERCENT / TYPE ASBESTOS	NESHAP CLASSIFICATION	MATERIAL CONDITION	ESTIMATED QUANTITY
26	Resilient Floor Tile and Mastic – 1' x 1', Beige with Multi-Color Specks and Yellow Mastic (Layer1); over White Floor Tile with Reddish Specks and Yellow Mastic (Layer 2); over Beige Floor Tile with Black Mastic (Layer 3)	Utilized on the floors throughout the North Conference Room	5% Chrysotile Detected in Black Mastic of Layer 3	Category I Non-Friable	Good	640 Square Feet

Category I: Includes asbestos-containing packings, gaskets, asphaltic roofing products, resilient flooring, pliable sealants and pliable mastics

Category II: Includes any non-friable asbestos-containing materials not categorized as Category I

Regulated Asbestos-containing Material (RACM): Friable asbestos-containing materials and/or Category I and II non-friable asbestos-containing materials which have a high probability of or have become friable by forces expected to be exerted in the course of a renovation or demolition process.

APPENDIX C

ASBESTOS ANALYTICAL LABORATORY DATA



PLM Summary Report

NVLAP Lab Code 102056-0
TDSHS License No. 30-0084

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
1	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow), NWC, Dispatch	None Detected - Floor Tile None Detected - Yellow Mastic
2	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow), NEC, Office 5	None Detected - Floor Tile None Detected - Yellow Mastic
3	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow), SEC, Women's Lockers	None Detected - Floor Tile None Detected - Yellow Mastic
4	Concrete Floor Texture (Grey), SWC, Hallway Cells	None Detected - Paint
5	Concrete Floor Texture (Grey), SEC, Cell #3	None Detected - Paint
6	Concrete Floor Texture (Grey), NWC, Exterior Cell #6	None Detected - Paint
7	Carpet Mastic, NEC Chiefs Office	None Detected - Carpet None Detected - Yellow Mastic
8	Carpet Mastic, NWC CIO Office	None Detected - Carpet None Detected - Yellow Mastic
9	Carpet Mastic, NWC Office #2	None Detected - Carpet None Detected - Yellow Mastic
10	2" x 2" Ceramic Tile (Light Brown) with Grout / Thinset, NWC of Men's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset
11	2" x 2" Ceramic Tile (Light Brown) with Grout / Thinset, NEC of Women's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset
12	2" x 2" Ceramic Tile (Light Brown) with Grout / Thinset, NEC of Men's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset
13	4" x 4" Ceramic Tile with Grout / Thinset (Beige), NWC of Men's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset



PLM Summary Report

NVLAP Lab Code 102056-0
TDSHS License No. 30-0084

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
14	4" x 4" Ceramic Tile with Grout / Thinset (Beige), NWC of Women's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset
15	4" x 4" Ceramic Tile with Grout / Thinset (Beige), SWC of Women's Restroom	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset
16	Cove Base Mastic (Yellow), SWC, Mechanical	None Detected - Cove Base None Detected - Yellow Mastic
17	Cove Base Mastic (Yellow), SEC, Weapons	None Detected - Cove Base None Detected - Yellow Mastic
18	Cove Base Mastic (Yellow), NWC, Electrical Room	None Detected - Cove Base None Detected - Yellow Mastic
19	CMU Texture (Yellow), SWC of Entrance	None Detected - Paint / Texture
20	CMU Texture (Yellow), West Wall of Secretary Area	None Detected - Paint / Texture
21	CMU Texture (Yellow), SWC CIO Office	None Detected - Paint / Texture
22	CMU Texture (Yellow), SWC Office #2	None Detected - Paint / Texture
23	CMU Texture (Yellow), NWC of Uniforms Room	None Detected - Paint / Texture
24	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SEC of Dispatch	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
25	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SEC of Main Hallway	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
26	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), NEC of Uniforms Room	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture



PLM Summary Report

NVLAP Lab Code 102056-0
TDSHS License No. 30-0084

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
27	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SEC of Conference	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
28	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SEC of Conference #2	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
29	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SEC of Office #4	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
30	Drywall Construction (Yellow / Blue and Off-White) with Texture (Medium), SWC of Office #5	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
31	Brick Texture (Yellow), NWC of Main Hallway	None Detected - Texture
32	Brick Texture (Yellow), NWC, Hallway Cells #2	None Detected - Texture
33	Brick Texture (Yellow), NEC of Main Hallway	None Detected - Texture
34	2' x 4' Suspended Acoustic Ceiling Tile (White with Fissures and Pinholes), NWC of Records Room	None Detected - Acoustic Tile
35	2' x 4' Suspended Acoustic Ceiling Tile (White with Fissures and Pinholes), NEC of Storage	None Detected - Acoustic Tile
36	2' x 4' Suspended Acoustic Ceiling Tile (White with Fissures and Pinholes), SWC of Electrical Room	None Detected - Acoustic Tile
37	Drywall Construction (Yellow) with Texture (Smooth), NWC, Hallway Cells	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
38	Drywall Construction (Yellow) with Texture (Smooth), SEC of Janitor	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture



PLM Summary Report

NVLAP Lab Code 102056-0
TDSHS License No. 30-0084

2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
39	Drywall Construction (Yellow) with Texture (Smooth), NEC of Booking	None Detected - Drywall Material None Detected - Joint Compound None Detected - Texture
40	Drywall Construction (No Texture, No Paint), NWC, Storage Dispatch	None Detected - Drywall Material None Detected - Joint Compound
41	Drywall Construction (No Texture, No Paint), SWC, Storage Dispatch	None Detected - Drywall Material None Detected - Joint Compound
42	Drywall Construction (No Texture, No Paint), NWC, Hallway Cells #2	None Detected - Drywall Material None Detected - Joint Compound
43	Wood Plank Mastic (Beige), NWC, Across Chiefs Office	None Detected - Beige Mastic
44	Wood Plank Mastic (Beige), NWC, Across Chiefs Office	None Detected - Beige Mastic
45	Wood Plank Mastic (Beige), NWC, Across Chiefs Office	None Detected - Beige Mastic
46	Window and Doorframe Caulking (White), Doorway of Electrical Room	None Detected - Caulking
47	Window and Doorframe Caulking (White), Doorway of Office #5	None Detected - Caulking
48	Window and Doorframe Caulking (White), Doorway of Juvenile Room	None Detected - Caulking
49	Window Caulking (Grey), North Entrance Windows	None Detected - Caulking
50	Window Caulking (Grey), North Entrance Windows	None Detected - Caulking
51	Window Caulking (Grey), North Entrance Windows	None Detected - Caulking
52	HVAC Duct Mastic (Grey), SEC Hallway Cells #2	None Detected - Mastic
53	HVAC Duct Mastic (Grey), NWC of Conference	None Detected - Mastic
54	HVAC Duct Mastic (Grey), NEC of Records Room	None Detected - Mastic
55	Fire Caulking (Red), SEC of Storage, Dispatch	None Detected - Firestop



PLM Summary Report

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2051 Valley View Lane
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Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
56	Fire Caulking (Red), SWC of Electrical Room	None Detected - Firestop
57	Fire Caulking (Red), SEC of Hallway Cells #2	None Detected - Firestop
58	HVAC Duct Mastic (Brown), NEC of Secretary Area	None Detected - Duct Mastic
59	HVAC Duct Mastic (Brown), NEC of Hallway Cells #2	None Detected - Duct Mastic
60	HVAC Duct Mastic (Brown), SEC of Records Room	None Detected - Duct Mastic
61	Stucco Texture (Beige and Brown), Exterior, NWC	None Detected - Plaster None Detected - Stucco
62	Stucco Texture (Beige and Brown), Exterior, NWC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco
63	Stucco Texture (Beige and Brown), Exterior, NWC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco
64	Stucco Texture (Beige and Brown), Exterior, SWC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco
65	Stucco Texture (Beige and Brown), Exterior, SWC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco
66	Stucco Texture (Beige and Brown), Exterior, SEC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco



PLM Summary Report

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TDSHS License No. 30-0084

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Farmers Branch, TX 75234 Phone: (972) 241-8460

Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
67	Stucco Texture (Beige and Brown), Exterior, NEC	None Detected - Synthetic Foam None Detected - Glass Fiber Mesh None Detected - Plaster None Detected - Stucco
68	Plaster on Mortar (White), Exterior Ceiling, Northwest Entrance	None Detected - Plaster
69	Plaster on Mortar (White), Exterior Ceiling, Northwest Entrance	None Detected - Plaster
70	Plaster on Mortar (White), Exterior Ceiling, Northwest Entrance	None Detected - Plaster
71	Window Caulking (Dark Grey), SWC Office #1	None Detected - Caulking
72	Window Caulking (Dark Grey), SWC Office #1	None Detected - Caulking
73	Window Caulking (Dark Grey), SWC Office #1	None Detected - Caulking
74	Gravel Roof, Roof Exterior, Dispatch NWC	None Detected - Aggregate None Detected - Roofing Tars None Detected - Roofing Felts None Detected - Underlayment None Detected - Foam Insulation
75	Gravel Roof, Roof Exterior, Dispatch NWC	None Detected - Aggregate None Detected - Roofing Tars None Detected - Roofing Felts None Detected - Underlayment None Detected - Foam Insulation
76	Gravel Roof, Roof Exterior, Men's Lockers	None Detected - Aggregate None Detected - Roofing Tars None Detected - Roofing Felts None Detected - Underlayment



PLM Summary Report

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2051 Valley View Lane
Farmers Branch, TX 75234 Phone: (972) 241-8460

Client : Terracon - Pharr	Lab Job No. : 21B-04691
Project : Mercedes Police Department Building	Report Date : 04/14/2021
Project # : 88207148	Sample Date : 04/06/2021 - 04/07/2021
Identification : Asbestos, Bulk Sample Analysis	
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116	

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
77	Built-up Roof Membrane, Roof Exterior, NWC Evidence Room	None Detected - Sealant None Detected - Roof Membrane None Detected - Roofing Tars None Detected - Top Felts None Detected - Underlayment None Detected - Bottom Felt None Detected - Foam Roofing
78	Built-up Roof Membrane, Roof Exterior, NWC Evidence Room	None Detected - Sealant None Detected - Roof Membrane None Detected - Roofing Tars None Detected - Top Felts None Detected - Underlayment None Detected - Bottom Felt None Detected - Foam Roofing
79	Built-up Roof Membrane, Roof Exterior, SEC Evidence Room	None Detected - Sealant None Detected - Roof Membrane None Detected - Roofing Tars None Detected - Roofing Felts None Detected - Underlayment None Detected - Foam Roofing
80	Roof Flashing Mastic (Grey), Roof Exterior, Storage Cells	None Detected - Silver Paint None Detected - Flashing Tar
81	Roof Flashing Mastic (Grey), Roof Exterior, Women's Lockers	None Detected - Silver Paint None Detected - Flashing Tar
82	Roof Flashing Mastic (Grey), Roof Exterior, Office 5	None Detected - Silver Paint None Detected - Flashing Tar
83	Roof Caulking (White), Roof Exterior, SEC Conference	None Detected - Caulking
84	Roof Caulking (White), Roof Exterior, East of Conference	None Detected - Caulking
85	Roof Caulking (White), Roof Exterior, NWC Electrical Room	None Detected - Caulking



PLM Summary Report

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Client :	Terracon - Pharr	Lab Job No. :	21B-04691
Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600 / R-93 / 116		

On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
86	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow) over Resilient Floor Tile (White with Reddish Specks) and Mastic (Yellow) over Resilient Floor Tile (Beige) with Mastic (Black), Conference Room, SWC	None Detected - Top Tile None Detected - Yellow Mastic None Detected - Middle Tile None Detected - Yellow Mastic None Detected - Bottom Tile 5% Chrysotile - Black Mastic
87	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow) over Resilient Floor Tile (White with Reddish Specks) and Mastic (Yellow) over Resilient Floor Tile (Beige) with Mastic (Black), Conference Room, SWC	None Detected - Top Tile None Detected - Yellow Mastic None Detected - Middle Tile None Detected - Yellow Mastic None Detected - Bottom Tile 5% Chrysotile - Black Mastic
88	1' x 1' Resilient Floor Tile (Beige with Multi-Color Specks) and Mastic (Yellow) over Resilient Floor Tile (White with Reddish Specks) and Mastic (Yellow) over Resilient Floor Tile (Beige) with Mastic (Black), Conference Room, SWC	None Detected - Top Tile None Detected - Yellow Mastic None Detected - Middle Tile None Detected - Yellow Mastic None Detected - Bottom Tile 5% Chrysotile - Black Mastic
89	3" x 3" Ceramic Tile (Light Brown) with Grout / Thinset, NEC Women's Lockers	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset None Detected - Yellow Mastic
90	3" x 3" Ceramic Tile (Light Brown) with Grout / Thinset, NWC Men's Lockers	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset None Detected - Yellow Mastic
91	3" x 3" Ceramic Tile (Light Brown) with Grout / Thinset, NEC Men's Lockers	None Detected - Ceramic Tile None Detected - Grout None Detected - Thinset None Detected - Yellow Mastic
92	TSI, Mastic (White), NWC, Cell #7 Exterior	None Detected - Thermal Insulation None Detected - Paper / Foil Wrap None Detected - White Mastic



PLM Summary Report

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Project :	Mercedes Police Department Building	Report Date :	04/14/2021
Project # :	88207148	Sample Date :	04/06/2021 - 04/07/2021
Identification :	Asbestos, Bulk Sample Analysis		
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On 4/12/2021, ninety four (94) bulk material samples were submitted by Tomas Cruz of Terracon - Pharr for asbestos analysis by PLM/DS. The PLM Detail Report is attached; additional information may be found therein. The results are summarized below:

Sample Number	Client Sample Description / Location	Asbestos Content
93	TSI, Mastic (White), NWC, Cell #7 Exterior	None Detected - Paper / Foil Wrap None Detected - White Mastic
94	TSI, Mastic (White), NWC, Cell #7 Exterior	None Detected - Paper / Foil Wrap None Detected - White Mastic

These samples were analyzed by layers. Quantification, unless otherwise noted, is performed by calibrated visual estimate. The test report shall not be reproduced except in full without written approval of the laboratory. The results relate only to the items tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government. Accredited by the National Voluntary Laboratory Accreditation Program for Bulk Asbestos Fiber Analysis under Lab Code 102056-0.



Analyst(s): Brian R. Schmidt, Shaun Wilkerson, Tommie Smith, Willie Pruitt

Lab Manager : Heather Lopez

Approved Signatory : _____

Lab Director : Bruce Crabb

Approved Signatory : _____

Thank you for choosing Moody Labs

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Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
1	Floor Tile (Tan)	98%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
2	Floor Tile (Beige)	98%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
3	Floor Tile (Beige)	98%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
4	Paint (Grey)	100%	Pigment / Binders	100%	04/13	SW
5	Paint (Grey)	100%	Pigment / Binders	100%	04/13	SW
6	Paint (Grey)	100%	Pigment / Binders	100%	04/13	SW
7	Carpet (Blue)	95%	Synthetic Fibers	85%	04/13	SW
			Glue Binders	15%		
	Yellow Mastic (Yellow)	5%	Calcite	40%		
			Glue Binders	60%		
8	Carpet (Blue)	95%	Synthetic Fibers	85%	04/13	SW
			Glue Binders	15%		
	Yellow Mastic (Yellow)	5%	Calcite	40%		
			Glue Binders	60%		
9	Carpet (Blue)	95%	Synthetic Fibers	85%	04/13	SW
			Glue Binders	15%		
	Yellow Mastic (Yellow)	5%	Calcite	40%		
			Glue Binders	60%		
10	Ceramic Tile (Brown)	89%	Sintered Clays	100%	04/13	SW
	Grout (Grey)	10%	Aggregate	65%		
	Thinset (Grey)	1%	Cement Binders	35%		
			Aggregate	65%		
			Cement Binders	35%		

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PLM Detail Report
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NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
11	Ceramic Tile (Brown)	89%	Sintered Clays	100%	04/13	SW
	Grout (Grey)	10%	Aggregate	65%		
			Cement Binders	35%		
	Thinset (Grey)	1%	Aggregate	65%		
			Cement Binders	35%		
12	Ceramic Tile (Brown)	89%	Sintered Clays	100%	04/13	SW
	Grout (Grey)	10%	Aggregate	65%		
			Cement Binders	35%		
	Thinset (Grey)	1%	Aggregate	65%		
			Cement Binders	35%		
13	Ceramic Tile (Beige)	85%	Sintered Clays	100%	04/13	SW
	Grout (Beige)	5%	Calcite / Binders	100%		
			Aggregate	65%		
	Thinset (Grey)	10%	Cement Binders	35%		
14	Ceramic Tile (Beige)	85%	Sintered Clays	100%	04/13	SW
	Grout (Beige)	5%	Calcite / Binders	100%		
			Aggregate	65%		
	Thinset (Grey)	10%	Cement Binders	35%		
15	Ceramic Tile (Beige)	85%	Sintered Clays	100%	04/13	SW
	Grout (Beige)	5%	Calcite / Binders	100%		
			Aggregate	65%		
	Thinset (Grey)	10%	Cement Binders	35%		
16	Cove Base (Blue)	95%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		
17	Cove Base (Blue)	95%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		
18	Cove Base (Blue)	95%	Calcite / Vinyl Binders	100%	04/13	SW
	Yellow Mastic (Yellow)	5%	Glue Binders	100%		

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Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
19	Paint / Texture (White)	100%	Calcite	25%	04/13	SW
			Pigment / Binders	75%		
20	Paint / Texture (White)	100%	Calcite	25%	04/13	SW
			Pigment / Binders	75%		
21	Paint / Texture (White)	100%	Calcite	25%	04/13	SW
			Pigment / Binders	75%		
22	Paint / Texture (White/Yellow)	100%	Calcite	25%	04/13	SW
			Pigment / Binders	75%		
23	Paint / Texture (White)	100%	Calcite	25%	04/13	SW
			Pigment / Binders	75%		
24	Drywall Material (White)	55%	Glass Wool Fibers	2%	04/13	SW
			Cellulose Fibers	1%		
			Gypsum / Binders	97%		
	DW Paper / Tape (Tan / White)	25%	Cellulose Fibers	100%		
	Joint Compound (White)	10%	Calcite / Talc / Binders	100%		
25	Drywall Material (White)	55%	Glass Wool Fibers	2%	04/13	SW
			Cellulose Fibers	1%		
			Gypsum / Binders	97%		
	DW Paper / Tape (Tan / White)	25%	Cellulose Fibers	100%		
	Joint Compound (White)	10%	Calcite / Talc / Binders	100%		
26	Drywall Material (White)	55%	Glass Wool Fibers	2%	04/13	SW
			Cellulose Fibers	1%		
			Gypsum / Binders	97%		
	DW Paper / Tape (Tan / White)	25%	Cellulose Fibers	100%		
	Joint Compound (White)	10%	Calcite / Talc / Binders	100%		
	Texture (White)	10%	Calcite / Talc / Binders	100%		

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Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
34	Acoustic Tile (Light Grey)	100%	Cellulose Fibers	50%	04/13	SW
			Mineral Wool Fibers	30%		
			Perlite	20%		
35	Acoustic Tile (Light Grey)	100%	Cellulose Fibers	50%	04/13	SW
			Mineral Wool Fibers	30%		
			Perlite	20%		
36	Acoustic Tile (Light Grey)	100%	Cellulose Fibers	50%	04/13	SW
			Mineral Wool Fibers	30%		
			Perlite	20%		
37	Drywall Material (White)	70%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	10%	Cellulose Fibers	100%		
	Joint Compound (White)	10%	Calcite / Talc / Binders	100%		
38	Drywall Material (White)	80%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	5%	Cellulose Fibers	100%		
	Joint Compound (White)	5%	Calcite / Talc / Binders	100%		
39	Drywall Material (White)	75%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	15%	Cellulose Fibers	100%		
	Joint Compound (White)	5%	Calcite / Talc / Binders	100%		
40	Drywall Material (White)	60%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	20%	Cellulose Fibers	100%		
	Joint Compound (White)	20%	Calcite / Talc / Binders	100%		

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Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
41	Drywall Material (White)	80%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	5%	Cellulose Fibers	100%		
	Joint Compound (White)	15%	Calcite / Talc / Binders	100%		
42	Drywall Material (White)	98%	Glass Wool Fibers	2%	04/14	BS
			Gypsum / Binders	98%		
	DW Paper / Tape (Tan / White)	2%	Cellulose Fibers	100%		
	Joint Compound (White)	<1%	Calcite / Talc / Binders	100%		
43	Beige Mastic (Beige)	100%	Glue Binders	100%	04/13	TS
44	Beige Mastic (Beige)	100%	Glue Binders	100%	04/13	TS
45	Beige Mastic (Beige)	100%	Glue Binders	100%	04/13	TS
46	Caulking (White)	100%	Binders / Fillers	100%	04/13	TS
47	Caulking (White)	100%	Binders / Fillers	100%	04/13	TS
48	Caulking (White)	100%	Binders / Fillers	100%	04/13	TS
49	Caulking (Grey)	100%	Polyethylene Fibers	5%	04/13	TS
			Binders / Fillers	95%		
50	Caulking (Grey)	100%	Polyethylene Fibers	5%	04/13	TS
			Binders / Fillers	95%		
51	Caulking (Grey)	100%	Polyethylene Fibers	5%	04/13	TS
			Binders / Fillers	95%		
52	Mastic (Grey)	100%	Synthetic Fibers	5%	04/13	TS
			Binders / Fillers	95%		
53	Mastic (Grey)	100%	Synthetic Fibers	5%	04/13	TS
			Binders / Fillers	95%		
54	Mastic (Grey)	100%	Synthetic Fibers	5%	04/13	TS
			Binders / Fillers	95%		
55	Firestop (Red)	100%	Glass Wool Fibers	5%	04/13	TS
			Binders / Fillers	95%		

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Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
56	Firestop (Red)	100%	Glass Wool Fibers	5%	04/13	TS
			Binders / Fillers	95%		
57	Firestop (Red)	100%	Glass Wool Fibers	5%	04/13	TS
			Binders / Fillers	95%		
58	Duct Mastic (Brown)	100%	Glass Wool Fibers	5%	04/14	WP
			Graphite	10%		
			Binders / Fillers	85%		
59	Duct Mastic (Brown)	100%	Glass Wool Fibers	5%	04/14	WP
			Graphite	10%		
			Binders / Fillers	85%		
60	Duct Mastic (Brown)	100%	Glass Wool Fibers	5%	04/14	WP
			Graphite	10%		
			Binders / Fillers	85%		
61	Plaster (Grey)	80%	Aggregate	65%	04/14	WP
			Cement Binders	35%		
	Stucco (Beige / White)	20%	Aggregate	65%		
			Binders / Fillers	35%		
62	Synthetic Foam (White)	45%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	20%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	30%	Aggregate	65%		
			Binders / Fillers	35%		

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
63	Synthetic Foam (White)	45%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	20%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	30%	Aggregate	65%		
			Binders / Fillers	35%		
64	Synthetic Foam (White)	45%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	20%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	30%	Aggregate	65%		
			Binders / Fillers	35%		
65	Synthetic Foam (White)	45%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	20%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	30%	Aggregate	65%		
			Binders / Fillers	35%		
66	Synthetic Foam (White)	30%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	30%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	35%	Aggregate	65%		
			Binders / Fillers	35%		

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
67	Synthetic Foam (White)	20%	Synthetic Foam	100%	04/14	WP
	Glass Fiber Mesh (White)	5%	Glass Wool Fibers	100%		
	Plaster (Beige)	35%	Glass Wool Fibers	5%		
			Aggregate	60%		
			Cement Binders	35%		
	Stucco (Tan)	40%	Aggregate	65%		
Binders / Fillers			35%			
68	Plaster (White)	100%	Aggregate	65%	04/14	WP
			Calcite / Binders	35%		
69	Plaster (White)	100%	Aggregate	65%	04/14	WP
			Calcite / Binders	35%		
70	Plaster (White)	100%	Aggregate	65%	04/14	WP
			Calcite / Binders	35%		
71	Caulking (Dark Brown)	100%	Polyethylene Fibers	10%	04/14	WP
			Binders / Fillers	90%		
72	Caulking (Dark Brown)	100%	Polyethylene Fibers	10%	04/14	WP
			Binders / Fillers	90%		
73	Caulking (Dark Brown)	100%	Polyethylene Fibers	10%	04/14	WP
			Binders / Fillers	90%		
74	Aggregate (Tan)	5%	Aggregate	100%	04/14	WP
	Roofing Tars (Black)	25%	Tar Binders	100%		
	Roofing Felts (Black)	20%	Glass Wool Fibers	45%		
			Tar Binders	55%		
	Underlayment (Tan)	25%	Cellulose Fibers	80%		
			Perlite	20%		
Foam Insulation (Light Yellow)	25%	Synthetic Foam	100%			

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
75	Aggregate (Tan)	5%	Aggregate	100%	04/14	WP
	Roofing Tars (Black)	25%	Tar Binders	100%		
	Roofing Felts (Black)	20%	Glass Wool Fibers	45%		
			Tar Binders	55%		
	Underlayment (Tan)	35%	Cellulose Fibers	80%		
			Perlite	20%		
Foam Insulation (Light Yellow)	15%	Synthetic Foam	100%			
76	Aggregate (Tan)	5%	Aggregate	100%	04/14	WP
	Roofing Tars (Black)	25%	Tar Binders	100%		
	Roofing Felts (Black)	20%	Glass Wool Fibers	45%		
			Tar Binders	55%		
	Underlayment (Tan)	50%	Cellulose Fibers	80%		
			Perlite	20%		
77	Sealant (White)	2%	Binders / Fillers	100%	04/14	BS
	Sand (Light Grey)	3%	Sand	100%		
	Roof Membrane (Black)	35%	Synthetic Fibers	10%		
			Calcite	30%		
			Tar Binders	60%		
	Roofing Tars (Black)	5%	Tar Binders	100%		
	Top Felts (Black)	5%	Glass Wool Fibers	45%		
	Underlayment (Tan)	35%	Tar Binders	55%		
			Cellulose Fibers	80%		
	Bottom Felt (Black)	<1%	Perlite	20%		
			Cellulose Fibers	85%		
Foam Roofing (Light Yellow)	15%	Tar Binders	15%			
		Synthetic Foam	100%			

Note: layer relationships unclear

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
78	Sealant (White)	2%	Binders / Fillers	100%	04/14	BS
	Sand (Light Grey)	3%	Sand	100%		
	Roof Membrane (Black)	15%	Synthetic Fibers	10%		
			Calcite	30%		
			Tar Binders	60%		
	Roofing Tars (Black)	15%	Tar Binders	100%		
	Top Felts (Black)	5%	Glass Wool Fibers	45%		
			Tar Binders	55%		
	Underlayment (Tan)	35%	Cellulose Fibers	80%		
			Perlite	20%		
Bottom Felt (Black)	<1%	Cellulose Fibers	85%			
		Tar Binders	15%			
Foam Roofing (Light Yellow)	25%	Synthetic Foam	100%			
79	Sealant (White)	20%	Binders / Fillers	100%	04/14	BS
	Sand (Light Grey)	5%	Sand	100%		
	Roof Membrane (Black)	25%	Synthetic Fibers	10%		
			Calcite	30%		
			Tar Binders	60%		
	Roofing Tars (Black)	5%	Tar Binders	100%		
	Roofing Felts (Black)	5%	Glass Wool Fibers	45%		
			Tar Binders	55%		
	Underlayment (Tan)	40%	Cellulose Fibers	80%		
			Perlite	20%		
Foam Roofing (Light Yellow)	<1%	Synthetic Foam	100%			
80	Silver Paint (Silver)	2%	Pigment / Binders	100%	04/14	BS
	Flashing Tar (Black)	98%	Cellulose Fibers	5%		
			Glass Wool Mesh	2%		
			Calcite / Tar Binders	93%		

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
81	Silver Paint (Silver)	2%	Pigment / Binders	100%	04/14	BS
	Flashing Tar (Black)	98%	Cellulose Fibers	5%		
			Glass Wool Mesh	2%		
			Calcite / Tar Binders	93%		
82	Silver Paint (Silver)	2%	Pigment / Binders	100%	04/14	BS
	Flashing Tar (Black)	98%	Cellulose Fibers	5%		
			Glass Wool Mesh	2%		
			Calcite / Tar Binders	93%		
83	Caulking (Light Grey)	100%	Calcite / Binders	100%	04/14	BS
84	Caulking (Light Grey)	100%	Calcite / Binders	100%	04/14	BS
85	Caulking (Light Grey)	100%	Calcite / Binders	100%	04/14	BS
86	Top Tile (Light Beige / Green)	30%	Calcite / Vinyl Binders	100%	04/14	BS
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Middle Tile (White / Pink)	35%	Calcite / Vinyl Binders	100%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Bottom Tile (Off-White/Grey/Tan)	35%	Calcite / Vinyl Binders	100%		
	Black Mastic (Black)	<1%	Chrysotile	5%		
			Tar Binders	95%		
87	Top Tile (Light Beige / Green)	30%	Calcite / Vinyl Binders	100%	04/14	BS
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Middle Tile (White / Pink)	30%	Calcite / Vinyl Binders	100%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Bottom Tile (Off-White/Grey/Tan)	40%	Calcite / Vinyl Binders	100%		
	Black Mastic (Black)	<1%	Chrysotile	5%		
			Tar Binders	95%		

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
88	Top Tile (Light Tan)	39%	Calcite / Vinyl Binders	100%	04/14	WP
	Yellow Mastic (Yellow)	2%	Glue Binders	100%		
	Middle Tile (Light Tan)	37%	Calcite / Vinyl Binders	100%		
	Yellow Mastic (Yellow)	<1%	Glue Binders	100%		
	Bottom Tile (Light Tan)	20%	Calcite / Vinyl Binders	100%		
	Black Mastic (Black)	2%	Chrysotile	5%		
			Tar Binders	95%		
Note: Layer Relation Unclear						
89	Ceramic Tile (Light Beige)	69%	Sintered Clays	100%	04/14	WP
	Grout (Light Beige)	10%	Aggregate	65%		
			Cement Binders	35%		
	Thinset (Grey)	20%	Aggregate	65%		
			Cement Binders	35%		
	Yellow Mastic (Yellow)	1%	Glue Binders	100%		
90	Ceramic Tile (Light Beige)	77%	Sintered Clays	100%	04/14	WP
	Grout (Light Beige)	2%	Aggregate	65%		
			Cement Binders	35%		
	Thinset (Grey)	20%	Aggregate	65%		
			Cement Binders	35%		
	Yellow Mastic (Yellow)	1%	Glue Binders	100%		
91	Ceramic Tile (Light Beige)	72%	Sintered Clays	100%	04/14	WP
	Grout (Light Beige)	2%	Aggregate	65%		
			Cement Binders	35%		
	Thinset (Grey)	25%	Aggregate	65%		
			Cement Binders	35%		
	Yellow Mastic (Yellow)	1%	Glue Binders	100%		

Moody Labs
 2051 Valley View Lane
 Farmers Branch, TX 75234 Phone: (972) 241-8460

PLM Detail Report
 Supplement to PLM Summary Report

NVLAP Lab Code 102056-0
 TDSHS License No. 30-0084

Client : Terracon - Pharr
 Project : Mercedes Police Department Building
 Project # : 88207148

Lab Job No. : 21B-04691
 Report Date : 04/14/2021

Sample Number	Layer	% Of Sample	Components	% of Layer	Analysis Date	Analyst
92	Thermal Insulation (Yellow)	65%	Mineral Wool Fibers	95%	04/14	WP
			Resin Binders	5%		
	Paper / Foil Wrap (White / Silver)	15%	Cellulose Fibers	60%		
			Glass Wool Fibers	20%		
			Metal Foil	20%		
	White Mastic (White)	20%	Cellulose Fibers	5%		
			Calcite	45%		
			Binders / Fillers	50%		
93	Paper / Foil Wrap (White / Silver)	25%	Cellulose Fibers	60%	04/14	WP
			Glass Wool Fibers	20%		
			Metal Foil	20%		
	White Mastic (White)	75%	Cellulose Fibers	5%		
			Calcite	45%		
			Binders / Fillers	50%		
94	Paper / Foil Wrap (White / Silver)	25%	Cellulose Fibers	60%	04/14	WP
			Glass Wool Fibers	20%		
			Metal Foil	20%		
	White Mastic (White)	75%	Cellulose Fibers	5%		
			Calcite	45%		
			Binders / Fillers	50%		

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Terracon

Homogeneous Area Descriptions

Building: Meredith Police Dept. Bldg.

Project Number 88207148

Date 4-6-21

Inspector TC, RDL

Sample/ HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
1	AFT, 1'x1', beige w/ multi-color specks and yellow mastic	Utilized on floors throughout most of building, offices, hallways	NWC-Dispatch			
2			MEC-office 5			
3			SEC-womens lockers			
4	concrete floor texture-grey	Utilized on floors in jail cell doors and hallway	SWC-Hallway cells			
5		"	SEC-Cell #3			
6			NWC Exterior Cell #6			
7	carpet mastic	Utilized on floors in 3 west office	MEC chiefs office			
8			NWC CIO office			
9			NWC office #2			
10	ceramic tile w/ grout finish 2"x2", H.5mm	Utilized on floors of restrooms, Mens & Womens	NWC of Men R.			

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Homogeneous Area Descriptions

Building: Meredy P.D. Bldg

Project Number 88207148

Date 4.6.21

Inspector TC, MDL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
11	↓		NWC of Women RR			
12	↓		SWC of Mens RR NWC			
13	Ceramic tile w/ grout / thinset, 4"x4" beige	Utilized on lower walls in mens and women's restrooms	NWC of Mens RR			
14	↓		NWC of women RR			
15	↓	" "	SWC of Women RR			
16	Core base mastic - yellow	Utilized on lower walls in most offices and hallways in building	SWC-mechanical			
17	↓		SEC-weapons			
18	↓		NWC-Electric RM			
19	CMU texture - yellow	Utilized on interior walls of entrance, hallways, Secretary	SWC of Entrance			
20			West wall of Secretary Area			

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Terracon

Homogeneous Area Descriptions

Building: Merceder P.D. Building

Project Number: 88207148

Date: 4-6-21

Inspector: TC, AOL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
21	↓		SWC C.S.O office			
22	↓		SWC office #2			
23	↓		MWC of Uniforms Rm.			
24	DWC - yellow (plac and off-white w)	Utilized on the walls in the majority of the office hallway and restrooms in the building	SEC of Dispaton			
25	medium texture		SEC of main hallway			
26	↓		MWC of Uniforms Rm.			
27	↓		SEC of Conference			
28	↓		SEC of Conference #2			
29	↓		SEC of office #4			
30	↓		SWC of office #5			

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Homogeneous Area Descriptions

Building: Murder P.D. Bldg.

Project Number 80207148

Date 4-6-21

Inspector TC, ROL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
31	brick texture - yellow	Utilized on a portion of the walls by the Main Entrance	NWC of Main Hallway			
32	↓		NWC - Hallway cells #2			
33	↓		MEC of Main Hallway			
34	SACT, 2'x4', white, with fissures & pin holes	Utilized on the ceiling throughout the majority of the building	NWC of Laundry RM			
35		office & hall ways	MEC of Storage			
36	↓		SWC of Electric RM			
37	OWC - yellow with smooth texture	Utilized on the ceilings in the jail cell hallways	NWC - hallway cells			
38			SEC of Seminar			
39	↓		MEC of Booking			
40	OWC - no texture, no paint	Utilized on the walls by the West Entrance hallway and mechanical / IT closets	NWC - Storage Dispatch			

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Homogeneous Area Descriptions

Building: Merceda P.O. Bldg.

Project Number 88207148

Date 4-6-21

Inspector TC, ROL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
41	↓	↓	SVC - Stamp Dispatch			
42	↓	↓	NWC - Hallways Cells #2			
43	Wood plank master - bridge	Utilized on the walls by the evidence room hallway	Across chiefs office - NWC			
44	↓	↓				
45	↓	" "	↓			
46	Window and door frame (walling)	Utilized around the door and window frames in the majority of the bldg.	Doorways of Electric RM			
47	White		Doorways of Office #5			
48	↓	↓	Doorways of juvenile RM.			
49	Window casing - dk grey	Utilized around the window frames by the Main Entrance Interior	North Entrance windows			
50						

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Homogeneous Area Descriptions

Building: Merced P.D. Bldg.

Project Number 88207148

Date 4-6-21

Inspector TC, P.O.

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
51	↓		↓			
52	HVAC Duct Mastik - grey	Utilized on duct seams above ceiling tile	SEC Hallways Cells #2			
53	↓		NWC of Conference			
54	↓		MEC of Records RM			
55	Fire caulking - red	Utilized on electrical conduit & walls above ceiling tile	SEC of Storage - Dispatch			
56	↓		SUC of Electric RM			
57	↓		SEC of Hallways Cells #2			
58	HVAC Duct Mastik - Brown	Utilized on duct seam above North Hallways ceiling	MEC of Security Area			
59	↓		MEC of Hallways Cells #2			
60	↓		SEC of Records RM			

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Terracon

Homogeneous Area Descriptions

Building: Mercedes P.D. Building

Project Number 88207148

Date 4-6-21

Inspector TC, RDC

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
61	Stucco texture - beige and brown	Utilized on the exterior walls of the building	Exterior, NWC			
62			↓			
63			↓			
64			Exterior, SWC			
65		"	↓			
66			Exterior, SEZ			
67			Exterior, NEZ			
68	Plaster on Marlar - white	Utilized on the exterior ceiling of the northwest entrance	Exterior ceiling - NW Entrance			
69			↓			
70			↓			

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Terracon

Homogeneous Area Descriptions

Building: Merceder P.D. Bldg

Project Number 88207148

Date 4-6-21

Inspector TC, ROL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
71	Window caulking - dark grey	Utilized around the exterior window frames of the building	SWC Office #1			
72						
73						
74	Gravel roof	Utilized as the field of roof for the majority of the building	Roof exterior - Dispatch MWC			
75						
76						
77	Built-up roof membrane	Utilized as the field of roof for the northwest portion of the building	Roof exterior - Mens Lockers - NWC Evidence Room			
78						
79						
80	Roof flashing mastic - grey	Utilized on roof seams of building	Roof exterior - Storage Cells			

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Terracon

Homogeneous Area Descriptions

Building: Mercedes P.D. Bldg 1

Project Number: 8820 7148

Date: 4-6-21

Inspector: TC, RDL

Sample/HA #	Type of Material	Homogeneous Area	Sample Location	Total Quantity (SF/LF)	Condition (ND, D, SD)	Lab Results
81			Roof exterior - Womens Lockers			
82			Roof exterior - office 5			
83	Roof caulking - white	Utilized on the roof perimeter of building	Roof exterior - SEC conference			
84			Roof exterior - East of Conference			
85			Roof exterior - NWC Electric Room			
86	RFT, 1" x 1", beige w/ multi-color specks	Utilized on the floor in the north Conference Room	Conference floor, SWC			
87	Yel. mastic; over RFT, white w/ reddish					
88	specks + yel. mastic; over RFT, beige w/					
89	black mastic Ceramic tile w/ grout / 4" x 4" / 1/2" GRN					
90		Mens & Womens Lockers	NEC Womens Lockers NWC Mens Lockers			

APPENDIX D

LEAD SAMPLE SUMMARY

APPENDIX D
LEAD SAMPLE SUMMARY
Corpus Christi Army Depot Building 8 – Phase F
308 3rd Street
Corpus Christi, Texas
Terracon Project No. 88197216



SAMPLE NO.	COMBINATION/ SUBSTRATE	FUNCTIONAL AREA	SAMPLE LOCATION	LEAD CONTENT
L01	Yellow / CMU Block	Applied to the CMU block walls in the West Entrance, Northwest Offices and Jail Cells	West Entrance, NEC	<45 ppm
L02	Yellow / Drywall Construction	Applied to the drywall construction walls in the majority of the Mercedes Police Department Building	Dispatch Room, SWC	<48 ppm
L03	Blue-Grey / Metal	Applied to the metal doors and door frames in the Northeast Hallway	Northeast Hallway, NEC	<37 ppm
L04	Yellow / Wood	Applied to the wood panel walls in the Northwest Hallway adjacent to the Police Chief's Office	Police Chief's Office, NWC	<42 ppm
L05	Yellow / Metal	Applied to the window and door frames in the Police Chief's Office	Police Chief's Office, South Window Frame	<35 ppm
L06	Blue / Drywall Construction	Applied to the drywall construction walls in the North Conference Room	North Conference Room, SWC	<46 ppm
L07	White / Wood	Applied to the wood cove base in the Northwest Hallways, North Conference Room, and Police Chief's Office	Police Chief's Office, NWC	<40 ppm
L08	Blue / CMU Block	Applied to the east CMU block wall in the North Conference Room	North Conference Room, NEC	<39 ppm
L09	Yellow / Brick	Applied to the brick walls in the Hallway south of the Police Chief's Office	Hallway south of the Police Chief's Office, NWC	<35 ppm
L10	Blue / Metal	Applied to doors, door frames, and window frames in the Jail Cells Area	Jail Cells Booking, SWC	<38 ppm

APPENDIX D
 LEAD SAMPLE SUMMARY
 Corpus Christi Army Depot Building 8 – Phase F
 308 3rd Street
 Corpus Christi, Texas
 Terracon Project No. 88197216



SAMPLE NO.	COMBINATION/ SUBSTRATE	FUNCTIONAL AREA	SAMPLE LOCATION	LEAD CONTENT
L11	Grey / Concrete	Applied to the concrete floors in the Jail Cells Area	Jail Cells Hallway by Cell 156, SEC	<42 ppm
L12	White / Metal	Applied to the metal light fixtures, and HVAC vent grilles in the Jail Cells Area	Jail Cells Hallway by Mechanical Room, SWC	<42
L13	White / Drywall Construction	Applied to the drywall construction walls in the Office south of the Police Chief's Office	Office, NEC	<43 ppm
L14	Brown / Stucco	Applied to the exterior walls of the Mercedes Police Department Building	Exterior, West Wall	<42
L15	Off-white / Stucco	Applied to the exterior walls of the Mercedes Police Department Building	Exterior, SEC	58 ppm
L16	Brown / Metal	Applied to the exterior ramp metal safety rails and metal stormwater gutters of the Mercedes Police Department Building	Exterior, West Area	<49 ppm
L17	White / CMU Block	Applied to the CMU block walls in the Uniform Storage Room	Uniform Storage Room, SWC	<36 ppm

APPENDIX E

LEAD ANALYTICAL LABORATORY DATA



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Lead Paint Chip Analysis Report

Report Number: 21-04-02719

Client: Terracon - Pharr
 1506 Mid Cities Dr
 Pharr, TX 78577

Received Date: 04/15/2021
 Analyzed Date: 04/20/2021
 Reported Date: 04/20/2021

Project/Test Address: Mercedes PD Building; Mercedes, Texas
 Collection Date: 04/07/2021

Client Number:
 200277

Fax Number:
 956-283-8279

Laboratory Results

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
21-04-02719-001	L01	ENTRANCE NEC	<45	<0.0045	
21-04-02719-002	L02	DISPATCH SWC	<48	<0.0048	
21-04-02719-003	L03	NORTHEAST HALLWAY NWG	<37	<0.0037	
21-04-02719-004	L04	CHIEFS OFFICE NEC	<42	<0.0042	
21-04-02719-005	L05	CHIEFS OFFICE SOUTH WINDOW FRAME	<35	<0.0035	
21-04-02719-006	L06	SQUAD ROOM SWC	<46	<0.0046	
21-04-02719-007	L07	CHIEFS OFFICE NWC	<40	<0.0040	L04
21-04-02719-008	L08	SQUAD ROOM NEC	<39	<0.0039	
21-04-02719-009	L09	HALLWAY SOUTH OF CHIEFS OFFICE NWC	<35	<0.0035	
21-04-02719-010	L10	BOOKING SWC	<38	<0.0038	
21-04-02719-011	L11	JAIL CELL HALLWAY BY CELL 156 SEC	<42	<0.0042	

Environmental Hazards Services, L.L.C

Client Number: 200277

Report Number: 21-04-02719

Project/Test Address: Mercedes PD Building; Mercedes, Texas

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
21-04-02719-012	L12	HALLWAY BY JAIL CELL MECHANICAL ROOM SWC	<42	<0.0042	
21-04-02719-013	L13	OFFICE NEW	<43	<0.0043	
21-04-02719-014	L14	WEST EXTERIOR	<42	<0.0042	L04
21-04-02719-015	L15	SOUTHEAST EXTERIOR	58	0.0058	L04
21-04-02719-016	L16	WEST EXTERIOR SAFETY RAMP RAILS	<49	<0.0049	
21-04-02719-017	L17	UNIFORM STORAGE WALL SWC	<36	<0.0036	

Sample Narratives:

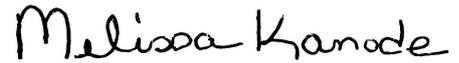
L04: Sample contains substantial amounts of substrate which may affect the calculated results with units of ppm and % by weight.

Preparation Method: ASTM E-1979-17

Analysis Method: EPA SW846 7000B

Accreditation #: TX T104704248-07TX

Reviewed By Authorized Signatory:



Missy Kanode
QA/QC Clerk

The HUD lead guidelines for lead paint chips are 0.50% by Weight, 5000 ppm, or 1.0 mg/cm². The Reporting Limit (RL) for samples prepared by ASTM E-1979-17 is 10.0 ug Total Pb. The RL for samples prepared by EPA SW846 3050B is 25.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm³ are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C.

ELLAP Accreditation through AIHA-LAP, LLC (100420), NY ELAP #11714.

LEGEND	Pb= lead	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	Wt. = weight	



Lead Chain-of-Custody

Environmental Hazards Services, LLC
 www.leadlab.com
 (800) 347-4010
 (804) 275-4907 (fax)

7469 Whitepine Rd
 Richmond, VA 23237

Company Name: Terracon Consultants, Inc. Address: 1506 Mid Cities Drive City/State/Zip: Pharr, TX 78577
 Phone: (956) 283-8254 Fax: (956) 283-8279 E-mail: Tomas.Cruz@terracon.com, epalacios@terracon.com Acct. Number: NA
 Project Name / Testing Address: Mercedes P.D. Building City/State (Required): Mercedes, Texas
 Collected by: Tomas Cruz Certification Number: _____ Purchase Order Number: 88207148

* Do wipe samples submitted meet ASTM Yes No

No.	Sample Type	Date Collected	Client Sample ID	Sample Type			Surface Type		Length X Width Inches (Provide paint chip area only if requesting mg/cm2)	Mg/cm2	PPM	Flow Rate (L/min)	Total Time (minutes)	Volume (Total Liters)	Comments
				Single Dust Wipe	Paint Chip	Composite Soil	FR = Family Room LR = Living Room	Soil = S Air = A							
11	PC	04/07/21	L11								X				
12	PC	04/07/21	L12								X				
13	PC	04/07/21	L13								X				
14	PC	04/07/21	L14								X				
15	PC	04/07/21	L15								X				
16	PC	04/07/21	L16								X				
17	PC	04/07/21	L17								X				

Released by: Tomas Cruz Signature: [Signature] Date/Time: 4-14-21 @ 1800
 Received by: AMY JOHNSON Signature: [Signature] Date/Time: 4/15/21 3:11PM

6/17/21
~For Lab Use Only~

2/1/88

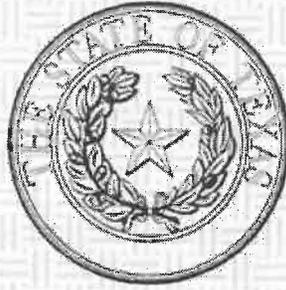
LEAD BULK SAMPLE LOG AND RESULTS

INSPECTOR: TC		DATE: 4-7-21	PROJECT NAME: MERCEDDES P.D. BLDG.	PROJECT NUMBER: 88207188		
SAMPLE NO.	PAINT COMBINATION AND SUBSTRATE	FUNCTIONAL AREA	SAMPLE LOCATION	CONDITION	QUANTITY	LEAD CONTENT (PPM)
L01	yellow on CMU	interior walls, north offices and jail cells	entrance, NEC	ND		
L02	yellow on PWC	majority of office and hallways	dispatch, SWC	ND		
L03	blue-grey on metal	interior office door frames	north east hallway, NWC	ND		
L04	yellow on wood	interior walls by Chief's office, hallways	Chief's office, NEC	ND		
L05	yellow on metal	interior door frames, window frames by Chief's office and conference room	Chief's office, South window frame	ND		
L06	blue on PWC	interior walls in Squad Room	Squad Room, SWC	SD		
L07	white on wood	interior lower wall siding in Nishalls, Conf Room	Chief's office, NWC	SD		
L08	blue on CMU	interior east wall in Squad Room	Squad Room, NEC	ND		
L09	yellow on brick	interior walls by Chief's office	Hallway south of Chief's office, NWC	SD		
L10	blue on metal	interior doors and window frames in jail cells	Booking, SWC	SD		

RECEIVED: AMY VEJVAR 4/15/21 3:12PM

APPENDIX F

LICENSES AND CERTIFICATIONS



Texas Department of State Health Services

TERRACON CONSULTANTS INC

is certified to perform as an

Asbestos Consultant Agency

in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas Asbestos Health Protection, as long as this license is not suspended or revoked.



License Number: 100157

Expiration Date: 11/30/2022

Control Number: 97338


**John Hellerstedt, M.D.,
Commissioner of Health**

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK



Texas Department of State Health Services

BE IT KNOWN THAT

TERRACON CONSULTANTS INC

is certified to perform as a

Lead Firm

in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1955 and Title 25, Texas Administrative Code, Chapter 295 relating to Texas Environmental Lead Reduction, as long as this license is not suspended or revoked.



Certification Number: 2110106

Expiration Date: 03/20/2022

Control Number: 7168


**John Hellerstedt, M.D.,
Commissioner of Health**

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK



**Texas Department of
State Health Services**

Asbestos Individual Consultant

TOMAS CRUZ

License No. 105857

Control No. 97610

Expiration Date: 23-Sep-2021





**Texas Department of
State Health Services**

Asbestos Inspector



RODOLFO DE LEON JR

License No. 603886

Control No. 99667

Expiration Date: 6-May-2022



**Texas Department of
State Health Services**

Asbestos Air Monitoring Technician



RODOLFO DE LEON JR

License No. 707075

Control No. 98644

Expiration Date: 6-May-2022



**Texas Department of
State Health Services**

Asbestos Project Manager

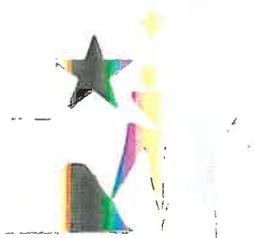


RODOLFO DE LEON JR

License No. 501912

Control No. 98450

Expiration Date: 6-May-2022



Texas Department of State Health Services

Asbestos Individual Consultant

RICHARD I HOWES

License No. 105406

Control No. 97743

Expiration Date: 21-Nov-2022





Texas Department of State Health Services

BE IT KNOWN THAT

RICHARD I HOWES

is certified to perform as a

Lead Inspector

in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1955 and Title 25, Texas Administrative Code, Chapter 295 relating to Texas Environmental Lead Reduction, as long as this license is not suspended or revoked.



Certification Number: 2060584

Expiration Date: 01/31/2022

Control Number: 6493


**John Hellerstedt, M.D.,
Commissioner of Health**

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

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Texas Department of State Health Services

STEVE MOODY MICRO SERVICES LLC DBA
MOODY LABS

is certified to perform as an

Asbestos Laboratory

PCM, PLM, TEM

*in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas
Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas
Asbestos Health Protection, as long as this license is not suspended or revoked.*



License Number: 300084

Expiration Date: 05/31/2022

Control Number: 96450

*John Hellerstedt, M.D.,
Commissioner of Health*

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102056-0

Steve Moody Micro Services, LLC
Farmers Branch, TX

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2020-07-01 through 2021-06-30

Effective Dates

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

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Steve Moody Micro Services, LLC

2051 Valley View Lane

Farmers Branch, TX 75234-8956

Mr. Bruce Crabb

Phone: 972-241-8460 Fax: 972-241-8461

Email: bruce.crabb@moodylabs.com

<http://www.moodylabs.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 102056-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

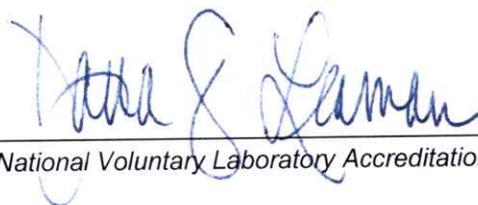
Airborne Asbestos Analysis

Code

Description

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Environmental Hazards Services, LLC

7469 White Pine Road, Richmond, VA 23237

Laboratory ID: 100420

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- ✓ **INDUSTRIAL HYGIENE** Accreditation Expires: May 01, 2020
- ✓ **ENVIRONMENTAL LEAD** Accreditation Expires: May 01, 2020
- ✓ **ENVIRONMENTAL MICROBIOLOGY** Accreditation Expires: May 01, 2020
- FOOD** Accreditation Expires:
- UNIQUE SCOPES** Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Revision 16: 03/21/2018

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 04/30/2018



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

Environmental Hazards Services, LLC

7469 White Pine Road, Richmond, VA 23237

Laboratory ID: **100420**

Issue Date: 04/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 03/01/1990

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5503	
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	ASTM E1979-17	
			EPA SW-846 6010D	
			NIOSH 7300 Modified	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

Environmental Hazards Services, LLC

7469 White Pine Road, Richmond, VA 23237

Laboratory ID: **100420**

Issue Date: 04/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 03/01/1999

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
Paint		ASTM E1979-17	
		EPA SW-846 3050B	
		EPA SW-846 6010D	
		EPA SW-846 7000B	
Soil		ASTM E1979-17	
		EPA SW-846 3050B	
		EPA SW-846 6010D	
		EPA SW-846 7000B	
Settled Dust by Wipe		ASTM E1979-17	
		EPA SW-846 3050B	
		EPA SW-846 6010D	
		EPA SW-846 7000B	
Airborne Dust		ASTM E1979-17	
		EPA SW-846 6010D	
		EPA SW-846 7000B	
		NIOSH 7082	
		NIOSH 7300 Modified	
Composited Wipes		ASTM E1979-17 Modified	
		EPA SW-846 6010D	
		EPA SW-846 7000B	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

Environmental Hazards Services, LLC

7469 White Pine Road, Richmond, VA 23237

Laboratory ID: **100420**

Issue Date: 04/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 03/01/2005

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Fungal	Air - Direct Examination	SOP H	In-House: Analysis of Spore Trap Samples
	Bulk - Direct Examination	SOP H	In-House: Analysis of IAQ Bulk Samples
	Surface - Direct Examination	SOP H	In-House: Analysis of IAQ Surface Samples

A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

APPENDIX G
SAMPLE LOCATION DRAWINGS

Terracon

BUILDINGS/STRUCTURES

Structure(s) on the Property:

Sketch of Structures:

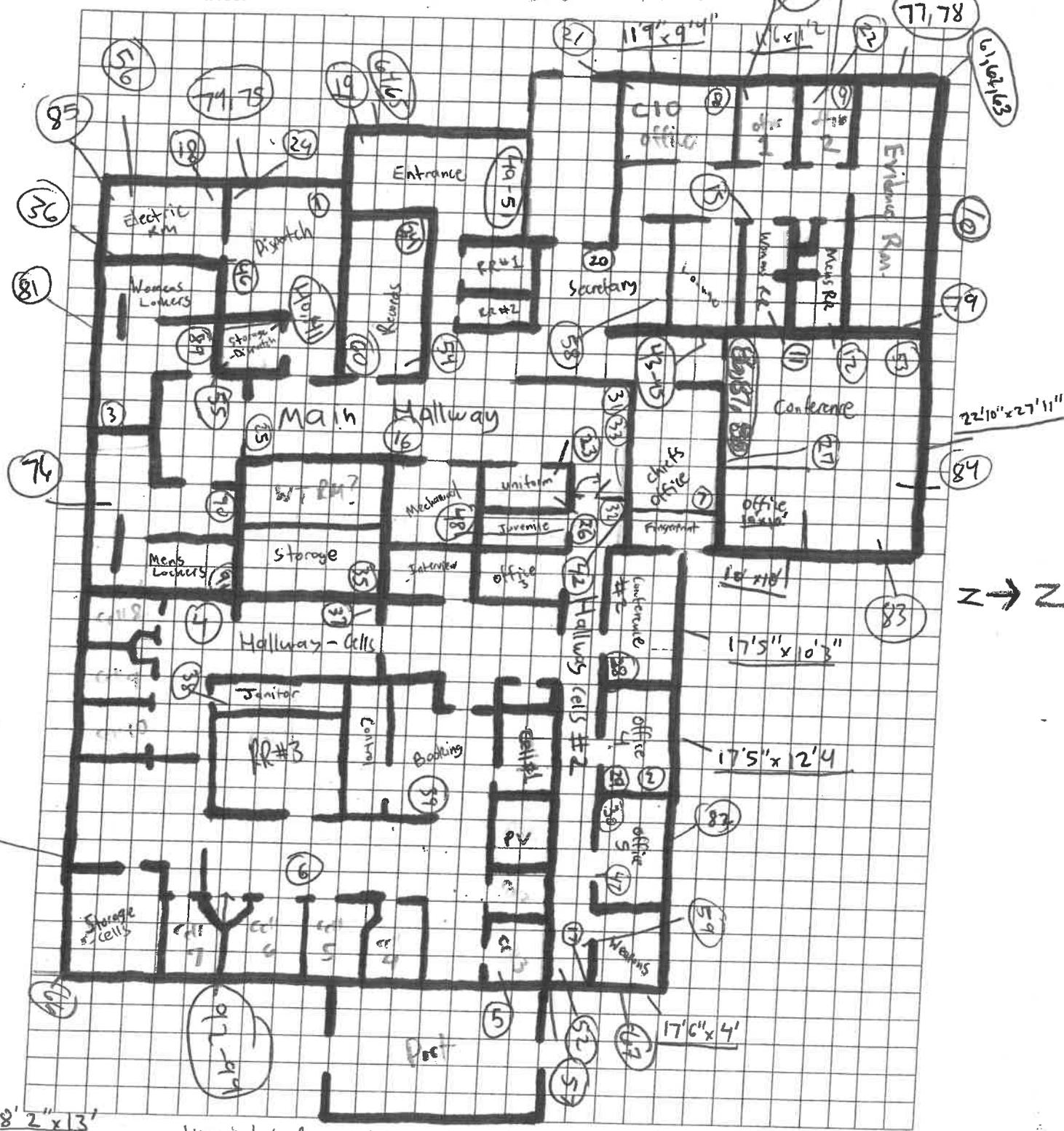
956-510-2146

12'11" x 12'

77, 78

77, 78

61, 62, 63



Entrance: 28'2" x 13'
 #1: RR#2: 8'2" x 5'10"
 #2: 15'4" x 19'8"
 #3: Dispatch: 6'8" x 9'8"
 #4: 21'10" x 16'1"

Women's Locker Room: 19'11" x 17'7"
 Mens Locker Room: 19'11" x 17'7"
 Storage: 21'10" x 13'1"
 Uniform: 11'1" x 11'2"
 Office #3: 9'3" x 7'7"
 Interview: 17' x 10'11"

Storage - cells: 8'11" x 7'2" Booking: 14'7" x 13'7"
 Cell #7 - 8'1" x 8'0" Control: 8' x 13'7"
 Cell #10 - 9'10" x 6'1" P.V.: 5'7" x 5'8"
 Janitor - 5'1" x 6'11" Cell #1: 8'8" x 7'10"
 RR#3 - 11'11" x 17'7" Office #4: 16'4" x 20' x 8'2"
 Lounge: 9'7" x 14'9"