



**ADDENDUM NO. 1
02/27/2026**

**PROJECT: MINERAL WELLS ISD
DISTRICT SERVICES CENTER GYM DEMOLITION**

BID DATE: 03/04/2026



02/27/2026

The following changes and/or additions shall be made to the Plans, Specifications, and Contract Documents for the above referenced project. Bidder shall acknowledge receipt of this Addendum on the Construction Costs Form.

GENERAL

Item #G1 TASB Asbestos Report for the DSC Gym, dated 11/11/2025

Item #G2 EcoSystems Environmental Inc., Old MW High School (Fannin) Report ESEI 22021381

SPECIFICATIONS

Item #S1 Section 02 41 00 – DEMOLITION

Revised Section 1.02 RELATED

REQUIREMENTS Revised Section 3.01

DRAWINGS DEMOLITION

Item #D1 A2.0 – DEMOLITION

Added Electrical information to drawing.

QUESTIONS

Item #Q1 Question 01 - Please identify the existing roof assembly for the roofs that are to be repaired. If possible, can you provide As-Builts or roof cores? Is there a manufacturer or contractor warranty present on the existing roof?

RESPONSE: The existing roof is Carlisle TPO Total Roofing System, installed by Crawford Roofing Inc. (phone:800-479-8763; email: sharon@crawfordroofinginc.com) and is currently under warranty.



Item #Q2 Question 02 - How are the pad sites to be left after demo is complete? Dirt? Sod? Seed? What grade are these pads to be left at after demo is complete?

RESPONSE: See revised Specification Section 02 41 00 – Demolition. Revised Section 1.02 Related Requirements and Section 3.01 Demolition. Final grade to match adjacent existing grade.

Item #Q3 Question 03 - Where the storage room is to remain at the gymnasium, where is the power supplied from. Is there a panel for that space? If so, is it independent or is it supplied from the electrical room that is to be demoed.

RESPONSE: The power supplied to the existing Storage Building is supplied from both the west power pole and from the existing Electrical Room in the Gym to be demolished. Contractor will need to coordinate relocating the power from the Gym site to the Storage Building. See revised sheet A2.0

Item #Q4 Question 04 - Regarding item 1.2.1.10 on page 31 Licenses & Qualifications. States that the "primary contractor shall be the licensed asbestos abatement contractor and shall be the one submitting the bid." Does this mean that as the General Contractor if we are not a licensed asbestos abatement contractor that our bid will not be accepted? We intend to subcontract out the work to a licensed asbestos abatement contractor.

RESPONSE: The primary contractor doing the asbestos abatement Work must be licensed by the State of Texas.

END OF ADDENDUM



November 11, 2025

Mineral Wells ISD
 906 SW 5th Ave
 Mineral Wells, TX 76067

Sample Report for Mineral Wells ISD

On 10/02/2025, a TASB Asbestos Inspector/Management Planner (TDSHS License No. 205721, enclosed) conducted a sample survey of one or more campuses in your district. These laboratory results should be included in your asbestos management plan.

District Service Center (DSC)

Gymnasium

| Area | Material | Sample Location | Amount |
|-------------------------|--|------------------------|----------------|
| Gymnasium Main Building | 12" Floor tile, green (main gym floor) | Flooring | 5% Chrysotile |
| Gymnasium Main Building | 9" Floor tile, white (main gym floor) | Flooring | 3% Chrysotile |
| Gymnasium Main Building | Boiler insulation, white | Boiler | 20% Chrysotile |
| Gymnasium Main Building | Window glazing, white (exterior windows) | Exterior windows | 2% Chrysotile |
| Gymnasium Main Building | Pipe insulation white (in boiler room) | Boiler room pipes | 10% Chrysotile |
| Gymnasium Main Building | White ceiling texture (front foyer) | Ceiling | 10% Chrysotile |
| Gymnasium Main Building | Heater pipe insulation, white | Heater pipe at ceiling | 10% Amosite |
| Gymnasium Main Building | Baseboard concrete, grey (baseboards in locker rooms) | Base of walls | 0% No Asbestos |
| Gymnasium Main Building | 2x4' Ceiling tile, white (back hall) | Ceiling | 0% No Asbestos |
| Gymnasium Main Building | Ceiling plaster, white with natural pebbles (locker rooms and bathrooms) | Ceiling | 0% No Asbestos |
| Gymnasium Main Building | Ceiling texture | Ceiling | 0% No Asbestos |
| Gymnasium Main Building | Yellow, fibrous insulation (back hall) | Ceiling | 0% No Asbestos |
| Gymnasium Main Building | Exterior door caulking, white | Exterior doors | 0% No Asbestos |
| Gymnasium Main Building | Exterior brick, red | Exterior walls | 0% No Asbestos |
| Gymnasium Main Building | Mortar (exterior brick) | Exterior walls | 0% No Asbestos |
| Gymnasium Main Building | Window caulking, white (used to replace original glazing) | Exterior windows | 0% No Asbestos |
| Gymnasium Main Building | 12" Floor tile, white (main gym floor) | Flooring | 0% No Asbestos |
| Gymnasium Main Building | 6" Ceramic floor tile, brown | Flooring, front foyer | 0% No Asbestos |



| Area | Material | Sample Location | Amount |
|-------------------------|--|---|----------------|
| Gymnasium Main Building | Mortar, ceramic tile | Flooring, front foyer | 0% No Asbestos |
| Gymnasium Main Building | Wall plaster | Front Foyer Walls | 0% No Asbestos |
| Gymnasium Main Building | White wall plaster (interior walls) | Interior walls (near bathroom at front foyer) | 0% No Asbestos |
| Gymnasium Main Building | White pipe insulation (ceiling and walls of stage) | Pipes on ceiling and walls | 0% No Asbestos |
| Gymnasium Main Building | Concrete slab | Slab | 0% No Asbestos |
| Gymnasium Main Building | Stage curtains, blue | Stage | 0% No Asbestos |
| Gymnasium Main Building | Stage curtains, grey | Stage | 0% No Asbestos |
| Gymnasium Main Building | Brick, red (main wall of gym and locker rooms) | Walls | 0% No Asbestos |
| Gymnasium Main Building | Mortar (main gym bricks) | Walls | 0% No Asbestos |
| Gymnasium Main Building | Interior brown brick (behind plaster) | Walls throughout | 0% No Asbestos |
| Gymnasium Main Building | Mortar, interior bricks | Walls throughout | 0% No Asbestos |
| Gymnasium Main Building | Concrete (sills and other areas) | Window sill and other areas | 0% No Asbestos |

If any asbestos containing materials were indentified, they should be monitored during the six-month periodic surveillance activites until renovation or damage condition warrants removal.

If you have any questions or need additional information, please call me at 800-580-8272.

Sincerely,

| | |
|---------------------------------|-------------|
| <i>Environmental Specialist</i> | <i>Date</i> |
| Robert Placek | 11/11/25 |

Inspector Licensure & Certification

License

License Type: Asbestos Inspector

Number: 205721

Expiration: 10/8/2026

License

License Type: Asbestos Management Planner

Number: 205721

Expiration: 10/8/2026

Certification

Certification Type: Asbestos Inspector

Number: 205721

Expiration: 10/1/2026

Certification

Certification Type: Asbestos Management Planner

Number: 205721

Expiration: 10/1/2026



CHAIN OF CUSTODY

Mineral Wells ISD

TASB Facility Services Contact information **Mailing Address:** PO Box 400, Austin TX 78767 **Phone:** 800-580-8272 **Fax:** 512-483-7179

| | |
|---------------------------|--------------------------------------|
| Date 10/02/2025 | Collected By Robert Placek |
|---------------------------|--------------------------------------|

| Sample | Campus | Facility | Area | Sample Location | Material Description | Lab Test Type |
|--------|-------------------------------|-----------|-------------------------|---|---------------------------------------|---------------|
| 001A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Front Foyer Walls | Wall plaster | PLM |
| 001B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Front Foyer Walls | Wall plaster | PLM |
| 001C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Front Foyer Walls | Wall plaster | PLM |
| 002A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | 6" Ceramic floor tile, brown | PLM |
| 002B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | 6" Ceramic floor tile, brown | PLM |
| 002C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | 6" Ceramic floor tile, brown | PLM |
| 003A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | Mortar, ceramic tile | PLM |
| 003B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | Mortar, ceramic tile | PLM |
| 003C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring, front foyer | Mortar, ceramic tile | PLM |
| 004A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Interior brown brick (behind plaster) | PLM |
| 004B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Interior brown brick (behind plaster) | PLM |
| 004C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Interior brown brick (behind plaster) | PLM |
| 005A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Mortar, interior bricks | PLM |
| 005B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Mortar, interior bricks | PLM |
| 005C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls throughout | Mortar, interior bricks | PLM |
| 006A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Window sill and other areas | Concrete (sills and other areas) | PLM |
| 006B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Window sill and other areas | Concrete (sills and other areas) | PLM |
| 006C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Window sill and other areas | Concrete (sills and other areas) | PLM |
| 007A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Interior walls (near bathroom at front foyer) | White wall plaster (interior walls) | PLM |

CHAIN OF CUSTODY

Mineral Wells ISD

| Sample | Campus | Facility | Area | Sample Location | Material Description | Lab Test Type |
|--------|-------------------------------|-----------|-------------------------|---|--|---------------|
| 007B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Interior walls (near bathroom at front foyer) | White wall plaster (interior walls) | PLM |
| 007C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Interior walls (near bathroom at front foyer) | White wall plaster (interior walls) | PLM |
| 008A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | White ceiling texture (front foyer) | PLM |
| 008B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | White ceiling texture (front foyer) | PLM |
| 008C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | White ceiling texture (front foyer) | PLM |
| 009A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Heater pipe at ceiling | Heater pipe insulation, white | PLM |
| 009B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Heater pipe at ceiling | Heater pipe insulation, white | PLM |
| 009C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Heater pipe at ceiling | Heater pipe insulation, white | PLM |
| 010A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 9" Floor tile, white (main gym floor) | PLM |
| 010B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 9" Floor tile, white (main gym floor) | PLM |
| 010C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 9" Floor tile, white (main gym floor) | PLM |
| 011A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, green (main gym floor) | PLM |
| 011B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, green (main gym floor) | PLM |
| 011C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, green (main gym floor) | PLM |
| 012A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Brick, red (main wall of gym and locker rooms) | PLM |
| 012B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Brick, red (main wall of gym and locker rooms) | PLM |
| 012C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Brick, red (main wall of gym and locker rooms) | PLM |
| 013A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Mortar (main gym bricks) | PLM |

CHAIN OF CUSTODY

Mineral Wells ISD

| Sample | Campus | Facility | Area | Sample Location | Material Description | Lab Test Type |
|--------|-------------------------------|-----------|-------------------------|----------------------------|---|---------------|
| 013B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Mortar (main gym bricks) | PLM |
| 013C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Walls | Mortar (main gym bricks) | PLM |
| 014A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Base of walls | Baseboard concrete, grey (baseboards in locker rooms) | PLM |
| 014B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Base of walls | Baseboard concrete, grey (baseboards in locker rooms) | PLM |
| 014C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Base of walls | Baseboard concrete, grey (baseboards in locker rooms) | PLM |
| 015A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, white (main gym floor) | PLM |
| 015B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, white (main gym floor) | PLM |
| 015C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Flooring | 12" Floor tile, white (main gym floor) | PLM |
| 016A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, grey | PLM |
| 016B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, grey | PLM |
| 016C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, grey | PLM |
| 017A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, blue | PLM |
| 017B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, blue | PLM |
| 017C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Stage | Stage curtains, blue | PLM |
| 018A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Pipes on ceiling and walls | White pipe insulation (ceiling and walls of stage) | PLM |
| 018B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Pipes on ceiling and walls | White pipe insulation (ceiling and walls of stage) | PLM |
| 018C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Pipes on ceiling and walls | White pipe insulation (ceiling and walls of stage) | PLM |
| 019A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling plaster, white with natural pebbles(locker rooms and bathrooms) | PLM |

CHAIN OF CUSTODY

Mineral Wells ISD

| Sample | Campus | Facility | Area | Sample Location | Material Description | Lab Test Type |
|--------|-------------------------------|-----------|-------------------------|-------------------|---|---------------|
| 019B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling plaster, white with natural pebbles(locker rooms and bathrooms) | PLM |
| 019C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling plaster, white with natural pebbles(locker rooms and bathrooms) | PLM |
| 020A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler room pipes | Pipe insulation white (in boiler room) | PLM |
| 020B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler room pipes | Pipe insulation white (in boiler room) | PLM |
| 020C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler room pipes | Pipe insulation white (in boiler room) | PLM |
| 021A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler | Boiler insulation, white | PLM |
| 021B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler | Boiler insulation, white | PLM |
| 021C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler | Boiler insulation, white | PLM |
| 022A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | 2x4' Ceiling tile, white (back hall) | PLM |
| 022B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | 2x4' Ceiling tile, white (back hall) | PLM |
| 022C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | 2x4' Ceiling tile, white (back hall) | PLM |
| 023A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Yellow, fibrous insulation (back hall) | PLM |
| 023B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Yellow, fibrous insulation (back hall) | PLM |
| 023C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Yellow, fibrous insulation (back hall) | PLM |
| 024A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling texture | PLM |
| 024B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling texture | PLM |
| 024C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Ceiling | Ceiling texture | PLM |
| 025A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Exterior brick, red | PLM |

CHAIN OF CUSTODY

Mineral Wells ISD

| Sample | Campus | Facility | Area | Sample Location | Material Description | Lab Test Type |
|--------|-------------------------------|-----------|-------------------------|------------------|---|---------------|
| 025B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Exterior brick, red | PLM |
| 025C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Exterior brick, red | PLM |
| 026A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Mortar (exterior brick) | PLM |
| 026B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Mortar (exterior brick) | PLM |
| 026C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior walls | Mortar (exterior brick) | PLM |
| 027A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior doors | Exterior door caulking, white | PLM |
| 027B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior doors | Exterior door caulking, white | PLM |
| 027C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior doors | Exterior door caulking, white | PLM |
| 028A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window caulking, white (used to replace original glazing) | PLM |
| 028B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window caulking, white (used to replace original glazing) | PLM |
| 028C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window caulking, white (used to replace original glazing) | PLM |
| 029A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window glazing, white (exterior windows) | PLM |
| 029B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window glazing, white (exterior windows) | PLM |
| 029C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Exterior windows | Window glazing, white (exterior windows) | PLM |
| 030A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Slab | Concrete slab | PLM |
| 030B | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Slab | Concrete slab | PLM |
| 030C | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Slab | Concrete slab | PLM |
| 21A | District Service Center (DSC) | Gymnasium | Gymnasium Main Building | Boiler | Boiler insulation, white | PLM |

CHAIN OF CUSTODY

Mineral Wells ISD

Samples Relinquished By

Robert Placek

Date

11/03/25

Samples Received in Good Condition By

Date



Micro Analytical Services, Inc. 11301 Richmond Ave. Ste.K100B♦Houston♦Tx 77082♦Phone(281)497-4500♦Fax(281)497-4517

NVLAP Lab Code: 200618-0

TDSHS License No. 30-0341

PLM BULK ASBESTOS ANALYSIS REPORT

CLIENT: Texas Association of School Boards

MAS JOB NO.: 20152-00

PROJECT: Mineral Wells ISD – D.S.C Gymnasium

REPORT DATE: October 27, 2025

IDENTIFICATION: Asbestos, Bulk Sample Analysis, Quantitation by Visual Area Estimation

TEST METHOD: Polarized Light Microscopy with Dispersion Staining
EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the
Determination of Asbestos in Bulk Insulation Samples
EPA - 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Material

STATEMENT OF LABORATORY ACCREDITATION

These samples were analyzed at Micro Analytical Services, Inc. in the Asbestos Laboratory at 11301 Richmond Ave. Suite K100B, Houston, Texas, 77082. The Laboratory holds accreditation from the National Institute of Standards and Technology under the National Voluntary Laboratory Accreditation Program (NVLAP). This laboratory is also licensed and authorized to perform as an Asbestos Laboratory in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

The samples were analyzed in general accordance with the procedures outlined in the EPA - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples, EPA - 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Material, under AHERA, for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested as submitted to the laboratory and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Asbestos Bulk Laboratory at Micro Analytical Services, Inc.

Analyst: Tony T. Dang

Approved Signatory:



Polarized Light Microscopy Analysis

Texas Association of School Boards
 Environmental Programs Department
 P.O Box 400
 Austin, TX 78767-0400

MAS Project #: 20152-00
 Date Received: 10/15/2025
 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|---|-----------------------------------|---------------------------------|-------------------------------------|
| 001-A MAS6170268 | 1 | White non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 001-B MAS6170269 | 1 | White non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 001-C MAS6170270 | 1 | White non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 002-A MAS6170271 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 002-B MAS6170272 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 002-C MAS6170273 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 003-A MAS6170274 | 1 | Tan non-fibrous grout | No | | 70% Aggregate 30% Other |
| 003-B MAS6170275 | 1 | Tan non-fibrous grout | No | | 70% Aggregate 30% Other |
| 003-C MAS6170276 | 1 | Tan non-fibrous grout | No | | 70% Aggregate 30% Other |
| 004-A MAS6170277 | 1 | Red non-fibrous brick | No | | 100% Other |
| 004-B MAS6170278 | 1 | Red non-fibrous brick | No | | 100% Other |
| 004-C MAS6170279 | 1 | Red non-fibrous brick | No | | 100% Other |
| 005-A MAS6170280 | 1 | Grey non-fibrous grout | No | | 70% Aggregate 30% Other |
| 005-B MAS6170281 | 1 | Grey non-fibrous grout | No | | 70% Aggregate 30% Other |

Samples have been analyzed by the EPA Interim Method 600/M4-82-020(40CFR Part 763 Appendix E to Subpart E) & EPA 600/R-93/116. The test results herein relate only to the sample submitted and analyzed. This report may only be reproduced in full with the approval of the Bulk Asbestos Laboratory of Micro Analytical Services (MAS). The above percentages are visual estimates of area percent. MAS is not responsible for any errors resulting from improper or incorrect sampling or shipping procedures. These samples will be retained for a period of 30 days. Accreditation by NVLAP in no way constitutes or implies product certification, approval, or endorsement by NIST. Some materials, especially floor tiles, contain asbestos fibers too thin to be detected by this method.

NVLAP Lab Code: 200618 TDSHS License: 30-0341

Analyzed by: Tony Dang

Approved NVLAP Signatory: Tony Dang



Polarized Light Microscopy Analysis

Texas Association of School Boards
 Environmental Programs Department
 P.O Box 400
 Austin, TX 78767-0400

MAS Project #: 20152-00
 Date Received: 10/15/2025
 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|---|-----------------------------------|---------------------------------|-------------------------------------|
| 005-C MAS6170282 | 1 | Grey non-fibrous grout | No | | 70% Aggregate 30% Other |
| 006-A MAS6170283 | 1 | Dark grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 006-B MAS6170284 | 1 | Dark grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 006-C MAS6170285 | 1 | Dark grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 007-A MAS6170286 | 1 | White/beige non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 007-B MAS6170287 | 1 | White/beige non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 007-C MAS6170288 | 1 | White/beige non-fibrous plaster with beige paint | No | | 70% Aggregate 30% Other |
| 008-A MAS6170289 | 1 | Beige fibrous insulation | Yes | 10% Chrysotile | 40% Mica 50% Other |
| 008-B MAS6170290 | 1 | Beige fibrous insulation | Yes | 10% Chrysotile | 40% Mica 50% Other |
| 008-C MAS6170291 | 1 | Beige fibrous insulation | Yes | 10% Chrysotile | 40% Mica 50% Other |
| 009-A MAS6170292 | 1 | White fibrous insulation | Yes | 5% Chrysotile 10% Amosite | 85% Other |
| 009-B MAS6170293 | 1 | White fibrous insulation | Yes | 5% Chrysotile 10% Amosite | 85% Other |
| 009-C MAS6170294 | 1 | White fibrous insulation | Yes | 5% Chrysotile 10% Amosite | 85% Other |
| 010-A MAS6170295 | 1 | Tan fibrous floor tile | Yes | 3% Chrysotile | 97% Other |

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NVLAP Lab Code: 200618 TDSHS License: 30-0341

Analyzed by: Tony Dang

Approved NVLAP Signatory: Tony Dang



Polarized Light Microscopy Analysis

Texas Association of School Boards
 Environmental Programs Department
 P.O Box 400
 Austin, TX 78767-0400

MAS Project #: 20152-00
 Date Received: 10/15/2025
 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|---|-----------------------------------|---------------------------------|-------------------------------------|
| 010-A MAS6170295 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 010-B MAS6170296 | 1 | Tan fibrous floor tile | Yes | 3% Chrysotile | 97% Other |
| 010-B MAS6170296 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 010-C MAS6170297 | 1 | Tan fibrous floor tile | Yes | 3% Chrysotile | 97% Other |
| 010-C MAS6170297 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 011-A MAS6170298 | 1 | Blue non-fibrous floor tile | No | | 100% Other |
| 011-A MAS6170298 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 011-B MAS6170299 | 1 | Blue non-fibrous floor tile | No | | 100% Other |
| 011-B MAS6170299 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 011-C MAS6170300 | 1 | Blue non-fibrous floor tile | No | | 100% Other |
| 011-C MAS6170300 | 2 | Black fibrous mastic | Yes | 5% Chrysotile | 95% Mastic |
| 012-A MAS6170301 | 1 | Red non-fibrous brick with beige paint | No | | 100% Other |
| 012-B MAS6170302 | 1 | Red non-fibrous brick with beige paint | No | | 100% Other |
| 012-C MAS6170303 | 1 | Red non-fibrous brick with beige paint | No | | 100% Other |

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MAS Project #: 20152-00
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 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|--|-----------------------------------|---------------------------------|-------------------------------------|
| 013-A MAS6170304 | 1 | Grey non-fibrous plaster with beige paint | No | | 80% Aggregate 20% Other |
| 013-B MAS6170305 | 1 | Grey non-fibrous plaster with beige paint | No | | 80% Aggregate 20% Other |
| 013-C MAS6170306 | 1 | Grey non-fibrous plaster with beige paint | No | | 80% Aggregate 20% Other |
| 014-A MAS6170307 | 1 | Grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 014-B MAS6170308 | 1 | Grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 014-C MAS6170309 | 1 | Grey non-fibrous plaster | No | | 80% Aggregate 20% Other |
| 015-A MAS6170310 | 1 | Beige non-fibrous floor tile | No | | 100% Other |
| 015-A MAS6170310 | 2 | Yellow non-fibrous mastic | No | | 100% Mastic |
| 015-B MAS6170311 | 1 | Beige non-fibrous floor tile | No | | 100% Other |
| 015-B MAS6170311 | 2 | Yellow non-fibrous mastic | No | | 100% Mastic |
| 015-C MAS6170312 | 1 | Beige non-fibrous floor tile | No | | 100% Other |
| 015-C MAS6170312 | 2 | Yellow non-fibrous mastic | No | | 100% Mastic |
| 016-A MAS6170313 | 1 | Beige fibrous canvas | No | | 90% Cellulose 10% Other |
| 016-B MAS6170314 | 1 | Beige fibrous canvas | No | | 90% Cellulose 10% Other |

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 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|----------------------------|-----------------------------------|---------------------------------|-------------------------------------|
| 016-C MAS6170315 | 1 | Beige fibrous canvas | No | | 90% Cellulose 10% Other |
| 017-A MAS6170316 | 1 | Blue fibrous stage curtain | No | | 100% Cellulose |
| 017-B MAS6170317 | 1 | Blue fibrous stage curtain | No | | 100% Cellulose |
| 017-C MAS6170318 | 1 | Blue fibrous stage curtain | No | | 100% Cellulose |
| 018-A MAS6170319 | 1 | White fibrous mastic | No | | 5% Wollastonite 95% Mastic |
| 018-A MAS6170319 | 2 | Beige fibrous canvas | No | | 100% Cellulose |
| 018-A MAS6170319 | 3 | Brown/black fibrous paper | No | | 90% Cellulose 10% Asphalt |
| 018-B MAS6170320 | 1 | White fibrous mastic | No | | 5% Wollastonite 95% Mastic |
| 018-B MAS6170320 | 2 | Beige fibrous canvas | No | | 100% Cellulose |
| 018-B MAS6170320 | 3 | Brown/black fibrous paper | No | | 90% Cellulose 10% Asphalt |
| 018-C MAS6170321 | 1 | White fibrous mastic | No | | 5% Wollastonite 95% Mastic |
| 018-C MAS6170321 | 2 | Beige fibrous canvas | No | | 100% Cellulose |
| 018-C MAS6170321 | 3 | Brown/black fibrous paper | No | | 90% Cellulose 10% Asphalt |
| 019-A MAS6170322 | 1 | Beige non-fibrous plaster | No | | 70% Aggregate 30% Other |

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 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|--|-----------------------------------|---------------------------------|---|
| 019-B MAS6170323 | 1 | Beige non-fibrous plaster | No | | 70% Aggregate 30% Other |
| 019-C MAS6170324 | 1 | Beige non-fibrous plaster | No | | 70% Aggregate 30% Other |
| 020-A MAS6170325 | 1 | Brown fibrous paper | No | | 100% Cellulose |
| 020-B MAS6170326 | 1 | Brown fibrous paper | No | | 100% Cellulose |
| 020-C MAS6170327 | 1 | Brown fibrous paper | No | | 100% Cellulose |
| 020-C MAS6170327 | 2 | Off-white fibrous insulation | Yes | 10% Chrysotile | 90% Cellulose |
| 021-A MAS6170328 | 1 | White fibrous canvas | No | | 90% Cellulose 10% Other |
| 021-A MAS6170328 | 2 | White fibrous insulation | Yes | 20% Chrysotile | 80% Other |
| 021-B MAS6170329 | 1 | White fibrous canvas | No | | 90% Cellulose 10% Other |
| 021-B MAS6170329 | 2 | White fibrous insulation | Yes | 20% Chrysotile | 80% Other |
| 021-C MAS6170330 | 1 | White fibrous canvas | No | | 90% Cellulose 10% Other |
| 021-C MAS6170330 | 2 | White fibrous insulation | Yes | 20% Chrysotile | 80% Other |
| 022-A MAS6170331 | 1 | Beige fibrous ceiling tile with white paint | No | | 10% Mineral Wool 40% Cellulose 30% Perlite 20% Other |

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MAS Project #: 20152-00
 Date Received: 10/15/2025
 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|--|-----------------------------------|---------------------------------|---|
| 022-B MAS6170332 | 1 | Beige fibrous ceiling tile with white paint | No | | 10% Mineral Wool 40% Cellulose 30% Perlite 20% Other |
| 022-C MAS6170333 | 1 | Beige fibrous ceiling tile with white paint | No | | 10% Mineral Wool 40% Cellulose 30% Perlite 20% Other |
| 023-A MAS6170334 | 1 | Yellow fibrous glass insulation | No | | 100% fibrous Glass |
| 023-B MAS6170335 | 1 | Yellow fibrous glass insulation | No | | 100% fibrous Glass |
| 023-C MAS6170336 | 1 | Yellow fibrous glass insulation | No | | 100% fibrous Glass |
| 024-A MAS6170337 | 1 | White non-fibrous popcorn texture with white paint | No | | 40% Foam 60% Other |
| 024-B MAS6170338 | 1 | White non-fibrous popcorn texture with white paint | No | | 40% Foam 60% Other |
| 024-C MAS6170339 | 1 | White non-fibrous popcorn texture with white paint | No | | 40% Foam 60% Other |
| 025-A MAS6170340 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 025-B MAS6170341 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 025-C MAS6170342 | 1 | Brown non-fibrous brick | No | | 100% Other |
| 026-A MAS6170343 | 1 | Beige non-fibrous grout | No | | 70% Aggregate 30% Other |

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MAS Project #: 20152-00
 Date Received: 10/15/2025
 Date Analyzed: 10/27/2025

Project Name: Mineral Wells ISD – D.S.C Gymnasium

| Field ID/ Lab ID | Layer # | Sample Description | Asbestos Detected? (Yes/No) | Asbestos Constituents (%) | Non-Asbestos Constituents (%) |
|---------------------|---------|--|-----------------------------------|---------------------------------|-------------------------------------|
| 026-B MAS6170344 | 1 | Beige non-fibrous grout | No | | 70% Aggregate 30% Other |
| 026-C MAS6170345 | 1 | Beige non-fibrous grout | No | | 70% Aggregate 30% Other |
| 027-A MAS6170346 | 1 | White non-fibrous caulking with beige paint | No | | 100% Other |
| 027-B MAS6170347 | 1 | White non-fibrous caulking with beige paint | No | | 100% Other |
| 027-C MAS6170348 | 1 | White non-fibrous caulking with beige paint | No | | 100% Other |
| 028-A MAS6170349 | 1 | White non-fibrous caulking | No | | 100% Other |
| 028-B MAS6170350 | 1 | White non-fibrous caulking | No | | 100% Other |
| 028-C MAS6170351 | 1 | White non-fibrous caulking | No | | 100% Other |
| 029-A MAS6170352 | 1 | White fibrous glaze | Yes | 2% Chrysotile | 98% Other |
| 029-B MAS6170353 | 1 | White fibrous glaze | Yes | 2% Chrysotile | 98% Other |
| 029-C MAS6170354 | 1 | White fibrous glaze | Yes | 2% Chrysotile | 98% Other |
| 030-A MAS6170355 | 1 | Grey non-fibrous concrete | No | | 80% Aggregate 20% Other |
| 030-B MAS6170356 | 1 | Grey non-fibrous concrete | No | | 80% Aggregate 20% Other |
| 030-C MAS6170357 | 1 | Grey non-fibrous concrete | No | | 80% Aggregate 20% Other |

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EcoSystems Environmental, Inc.

Environmental Consulting Services

06/13/2022

Mr. Dale Sellers
Phoenix 1 Restoration and Construction, Ltd.
14032 Distribution Way
Farmers Branch, Texas 75234

**Re: Pre-Demolition Asbestos Survey
Old Mineral Wells High School Fire Damage
101 Northwest 5th Avenue; Mineral Wells, Texas 76067
ESEI Project No. 22021381**

Dear Mr. Sellers:

EcoSystems Environmental, Inc. (ESEI) was retained by Phoenix 1 Restoration and Construction, Ltd. (hereinafter, the Client) to conduct a pre-demolition asbestos survey at the Site within the following Target Areas, as identified by the Client:

Old Mineral Wells High School Fire Damage

The attached report summarizes these services in accordance with our discussions. **Based on the results of the materials that have tested positive, the floor tile, floor tile mastic, and window caulk are identified as asbestos-containing material (ACM). Due to the fire damage debris in the building and the intermingling with the identified ACM, all debris is considered asbestos contaminated and must be removed and disposed as regulated material.** The sample results summary is attached in Appendix A of this report. ESEI licenses are attached in Appendix B of this report. The laboratory analytical results are attached in Appendix C of this report. Site drawings are attached in Appendix D of this report. If you have any questions on this report or any other matter, please do not hesitate to call me at (972) 416-0520.

Sincerely,

EcoSystems Environmental, Inc.

A handwritten signature in black ink, appearing to read 'Russ Gout', is written over a horizontal line.

Russ Gout
Individual Asbestos Consultant
DSHS License No. 10-5054
Expiration Date: 2/12/2023

1.0 SERVICES

| TABLE I SERVICES SUMMARY | |
|--|---|
| Client | Phoenix 1 Restoration and Construction, Ltd. 14032 Distribution Way Farmers Branch, Texas 75234 |
| Site Address | 101 Northwest 5th Avenue, Mineral Wells, Texas 76067 |
| Target Areas identified by Client: | Old Mineral Wells High School Fire Damage |
| Scope of Work | |
| <ol style="list-style-type: none"> 1. Conduct a preliminary visual reconnaissance of the renovation/demolition Target Areas identified by the Client to visually determine the presence of suspect ACM 2. In the event suspect ACM is identified, visually assess suspect ACM for variations in color, texture, thickness, and other characteristics useful in determining the material's uniformity and homogeneous area 3. In the event suspect ACM is identified, evaluate current physical condition, friability and potential for damage, assign hazard ratings and estimate quantities 4. Collect samples of identified and reasonably accessible suspect ACM within Target Areas 5. Send suspect ACM samples to laboratory for analysis of asbestos content, if any 6. Prepare report summarizing results | |
| Sample Date(s): | 06/04/2022 |
| Inspector(s): | Russ Gout |
| DSHS License #: | 10-5054 |
| Samples Collected: | A total of 28 samples of suspect asbestos-containing materials were collected, as agreed with the Client, within reasonably accessible portions of the Target Areas |
| Analytical Lab: | ESEI's in-house asbestos laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) through the National Institute for Standards and Technology (NVLAP Lab Code 101162-0) and licensed as a DSHS licensed asbestos bulk laboratory (License No. 30-0117). |
| No. of Samples Analyzed: | 28 |
| Analyzed Date: | 06/09/2022 |
| Report Date: | 06/13/2022 |
| General information about suspect ACM | |
| <p>Asbestos has historically been a component of a wide variety of building materials. These types of building materials, which may potentially contain asbestos, are termed "suspect asbestos-containing materials" (or suspect ACM). Suspect ACM may or may not contain asbestos. The actual asbestos content of a suspect material can be determined only through proper sampling and analysis performed by a qualified building inspector and laboratory.</p> <p>Pursuant to the National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos regulation (40 CFR §61.141, et seq.) ACM can be classified into two categories: friable ACM which can be reduced to powder or crumbled under light hand pressure (e.g., ceiling textures and thermal system insulation) and nonfriable ACM, which are materials that cannot be easily crumbled (e.g., floor tile and floor tile mastic).</p> <p>Regulated asbestos containing materials (RACM) which are those materials containing over 1% asbestos as defined under asbestos NESHAP.</p> | |

2.0 STANDARD OF CARE AND LIMITATIONS:

This report was prepared for the exclusive use of the Client named herein to aid in the identification and management of ACM and RACM in the renovation/demolition Target Areas identified by the Client. ESEI performed its services in a manner consistent with the level of care and expertise exercised by asbestos professionals performing the same or similar services at the same time and in the same geographic area.

Samples for this asbestos survey were collected from discrete sample locations within the rooms and areas specifically identified herein (i.e., Target Areas). While attempts were made to obtain representative samples most likely to contain asbestos, findings and conclusions herein are necessarily limited by the number of samples taken and access provided for sampling activities. *The results herein cannot guarantee that no asbestos is present in any area not sampled.* This asbestos survey was not intended to be used for evaluation of worker health and safety conditions.

Conclusions and recommendations herein represent the professional opinions of the ESEI personnel involved with the project. The results of this report should not be considered as legal interpretation of existing federal, state or local environmental, health and safety laws or regulations. ESEI assumes no responsibility or liability for errors in information or data provided by third party sources.

3.0 REPORT USE AND RELIANCE:

This report represents ESEI's services as of the sampling date. As our final document, it may not be altered after final issuance. This study and report were prepared on behalf of and for the exclusive use of the Client solely for its use and reliance in determining the presence of RACM in identified Target Areas of the site. The Client was the only party to which ESEI explained the risks and was solely involved in shaping the scope of services. Accordingly, reliance on this report by any other party may involve assumptions leading to an unintended interpretation of findings and opinions. With the consent of ESEI and the Client, ESEI may offer reliance to third parties or contract with other parties to develop findings and opinions related to such party's unique risk management concerns. Notwithstanding the foregoing, any and all third party reliance upon this Report shall be limited to the fair market value of the services undertaken to perform this Report as of the report date.

4.0 METHODOLOGIES:

4.1 Sampling

This inspection was guided by the Texas Asbestos Health Protection Rules (TAHPR) (see 25 TAC §295.58) and generally in accord with AHERA (the Asbestos Hazard Emergency Response Act of 1986, Public Law 99-519) sampling protocols (see 40 CFR §§ 763.86 and 763.88). The AHERA sampling protocols are statistically-based and were originally developed to implement AHERA which amends the Federal Toxic Substances Control Act (see 15 USC, §2641, et seq.). These rules are often followed by the OSHA, and the Department of State Health Services (DSHS). ESEI generally followed these sampling protocols to in an effort to collect representative samples of the various suspect building materials in the Target Areas.

Suspect ACM samples were collected by physically removing a small portion (approximately one square inch) of the suspect material using a sharp instrument. All layers of the material samples were penetrated and registered as separate samples. Disturbance of adjacent material was minimized during the sampling activities. Each sample was placed into a separate labeled container and then sealed. Each sample was labeled with the sample number and collection location, and a chain-of-custody form was completed. The sampling instrument was cleaned between each sample collected to mitigate potential cross-contamination between samples collected.

4.2 Analytical Procedures

If the results of the bulk laboratory analysis reveal asbestos, the percentage of asbestos contained within the sample is compared with criteria outlined in the EPA definition of asbestos-containing material (and which value is also followed by OSHA and DSHS). If a concentration of greater than one percent (1%) asbestos is reported, it is defined by the Asbestos NESHAP as a positive identification and the material could be considered RACM depending upon the nature of the ACM and its coverage.

The Asbestos NESHAP states that RACM (as defined in 40 CFR §61.141) containing less than 10% asbestos should be verified by point counting. If bulk sampling analysis determines that asbestos content of a friable asbestos sample is less than 10%, the building owner may: (i) elect to assume the asbestos content to be greater than 1% and treat the material as RACM, or (ii) require verification of asbestos content by point counting. If a result obtained by point counting is different from a result obtained by visual estimation, the point count result is used.

5.0 RECOMMENDATIONS:

Based upon the foregoing results, **if applicable**, ESEI offers the recommendations presented below. Such recommendations should be implemented *prior* to the commencement of any renovation or demolition activities or other activities that would potentially disturb the identified ACM or RACM at the site.

- Identified ACM, including nonfriable ACM, *that will be disturbed by renovation or demolition activities* should be removed as soon as feasibly possible by appropriately licensed personnel and in accordance with applicable laws and regulations.

In the event renovation or demolition activities are slated for portions of the site outside of the Target Areas, an asbestos survey should be performed for those portions of the site—*prior* to the initiation of renovation or demolition activities.

APPENDICES

APPENDIX A

SAMPLE RESULTS SUMMARY

TABLE II
RESULTS SUMMARY
(Condition/Friability Codes are listed below table)

| Sample No. | Asbestos %age | Description of Sampled Material | Location | Condition /Friability | Estimated Quantity |
|------------|---------------|--|--------------|-----------------------|--------------------|
| 1 | 5 | Tan / (Non-Friable) / Floor Tile | Ground Floor | 2 | N/A |
| 2 | 0 | Black / (Non-Friable) / Floor Tile Mastic | Ground Floor | N/A | N/A |
| 3 | 6 | Tan / (Non-Friable) / Floor Tile | Ground Floor | 2 | N/A |
| 4 | 4 | Black / (Non-Friable) / Floor Tile Mastic | Ground Floor | 2 | N/A |
| 5 | 2 | Tan / (Non-Friable) / Floor Tile | First Floor | 2 | N/A |
| 6 | 4 | Black / (Non-Friable) / Floor Tile Mastic | First Floor | 2 | N/A |
| 7 | 0 | Tan / (Non-Friable) / Plaster Wall Substrate | Ground Floor | N/A | N/A |
| 8 | 0 | Tan / (Non-Friable) / Plaster Wall Substrate | Ground Floor | N/A | N/A |
| 9 | 0 | Tan / (Non-Friable) / Plaster Wall Substrate | Ground Floor | N/A | N/A |
| 10 | 0 | Tan / (Non-Friable) / Plaster Wall, Scratch Coat | First Floor | N/A | N/A |
| 11 | 0 | Tan / (Non-Friable) / Plaster Wall, Finish Coat | First Floor | N/A | N/A |
| 12 | 0 | Tan / (Non-Friable) / Plaster Wall, Scratch Coat | First Floor | N/A | N/A |
| 13 | 0 | Tan / (Non-Friable) / Plaster Wall, Finish Coat | First Floor | N/A | N/A |
| 14 | 0 | Tan / (Non-Friable) / Plaster Wall, Scratch Coat | First Floor | N/A | N/A |
| 15 | 0 | Tan / (Non-Friable) / Plaster Wall, Finish Coat | First Floor | N/A | N/A |
| 16 | 0 | Beige / (Non-Friable) / Window Glazing Compound | Ground Floor | N/A | N/A |
| 17 | 0 | Beige / (Non-Friable) / Window Glazing Compound | Ground Floor | N/A | N/A |
| 18 | 0 | Beige / (Non-Friable) / Window Glazing Compound | Ground Floor | N/A | N/A |
| 19 | 10 | Brown / (Non-Friable) / Window Caulk | Ground Floor | 3 | N/A |
| 20 | 10 | Brown / (Non-Friable) / Window Caulk | Ground Floor | 3 | N/A |
| 21 | 10 | Brown / (Non-Friable) / Window Caulk | Ground Floor | 3 | N/A |
| 22 | 0 | Tan / (Non-Friable) / Hatch Board Barrier | Exterior | N/A | N/A |
| 23 | 0 | Tan / (Non-Friable) / Hatch Board Barrier | Exterior | N/A | N/A |
| 24 | 0 | Tan / (Non-Friable) / Hatch Board Barrier | Exterior | N/A | N/A |
| 25 | 0 | Red / (Non-Friable) / Brick | Exterior | N/A | N/A |

TABLE II
RESULTS SUMMARY
 (Condition/Friability Codes are listed below table)

| Sample No. | Asbestos %age | Description of Sampled Material | Location | Condition /Friability | Estimated Quantity |
|-------------------|----------------------|--|-----------------|------------------------------|---------------------------|
| 26 | 0 | Tan / (Non-Friable) / Brick Mortar | Exterior | N/A | N/A |
| 27 | 0 | Red / (Non-Friable) / Brick | Exterior | N/A | N/A |
| 28 | 0 | Tan / (Non-Friable) / Brick Mortar | Exterior | N/A | N/A |

Friability Codes:

- 1 – Friable: ACM that, when dry, can be crumbled, pulverized, or reduced to powder by normal hand pressure.
- 2 – Category I Nonfriable: ACM packings, gaskets, resilient floor covering, and asphalt roofing products.
- 3 – Category II Nonfriable: ACM, excluding Category I Nonfriable ACM, that, when dry, cannot be crumbled, pulverized, or reduced to powder by normal hand pressure.

APPENDIX B

LICENSES



Texas Department of State Health Services

ECOSYSTEMS ENVIRONMENTAL 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: 100008

Expiration Date: 12/29/2023

Control Number: 97418


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

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK



Texas Department of State Health Services

ECOSYSTEMS ENVIRONMENTAL INC

is certified to perform as an

Asbestos Laboratory

PCM, PLM

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: 300117

Expiration Date: 11/01/2022

Control Number: 96494


*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: 101162-0

EcoSystems Environmental, Inc.
Carrollton, 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 Communique dated January 2009).*

2022-04-01 through 2023-03-31

Effective Dates



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

For the National Voluntary Laboratory Accreditation Program



**Texas Department of
State Health Services**

Asbestos Individual Consultant

RUSS A GOUT

License No. 105054

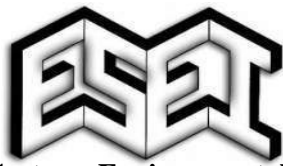
Control No. 97830

Expiration Date: 12-Feb-2023



APPENDIX C

LABORATORY ANALYTICAL RESULTS



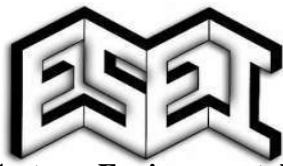
EcoSystems Environmental, Inc.
Environmental Consulting Services

| | |
|----------------------------------|--|
| Client: | Phoenix 1 Restoration and Construction, Ltd. |
| | 14032 Distribution Way |
| | Farmers Branch, Texas 75234 |
| Project: | Old Mineral Wells High School Fire Damage |
| | 101 Northwest 5th Avenue |
| | Mineral Wells, Texas 76067 |
| Report Date: 06/13/2022 | |
| ESEI Project #: 2202 1381 | |

PLM BULK ASBESTOS ANALYSIS TEST REPORT
(NVLAP LAB CODE 101162-0, TDSHS LAB LICENSE NO. 30-0117)

Client Project #:

| Sample # / Lab | Sample Location / Material Sampled | Layer % | Non-Asbestos | | Fibrous Material | Asbestos Type | | |
|-------------------|---|---------|----------------------------|--------------|------------------|---------------|--------------|------------|
| | | | Non-Fibrous Material | | | | | |
| 1 22-36697 | Ground Floor Floor Tile Tan/Non-Friable | A | Binder/Carbonate | 93 % | Cellulose | 2 % | Chrysotile | 5 % |
| | | | | | | | Total | 5 % |
| 2 22-36697 | Ground Floor Floor Tile Mastic Black/Non-Friable | A | Binder/Tar | 85 % | Cellulose | 15 % | None Det. | 0 % |
| | | | | | | | Total | 0 % |
| 3 22-36697 | Ground Floor Floor Tile Tan/Non-Friable | A | Binder/Carbonate | 92 % | Cellulose | 2 % | Chrysotile | 6 % |
| | | | | | | | Total | 6 % |
| 4 22-36697 | Ground Floor Floor Tile Mastic Black/Non-Friable | A | Binder/Tar | 94 % | Cellulose | 2 % | Chrysotile | 4 % |
| | | | | | | | Total | 4 % |
| 5 22-36697 | First Floor Floor Tile Tan/Non-Friable | A | Binder/Carbonate | 97 % | Cellulose | 1 % | Chrysotile | 2 % |
| | | | | | | | Total | 2 % |
| 6 22-36697 | First Floor Floor Tile Mastic Black/Non-Friable | A | Binder/Tar | 93 % | Cellulose | 3 % | Chrysotile | 4 % |
| | | | | | | | Total | 4 % |
| 7 22-36697 | Ground Floor Plaster Wall Substrate Tan/Non-Friable | A | Binder/Carbonate Quartz | 35 % 60 % | Cellulose | 5 % | None Det. | 0 % |
| | | | | | | | Total | 0 % |
| 8 22-36697 | Ground Floor Plaster Wall Substrate Tan/Non-Friable | A | Binder/Carbonate Quartz | 40 % 55 % | Cellulose | 5 % | None Det. | 0 % |
| | | | | | | | Total | 0 % |



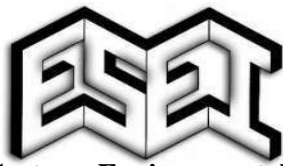
EcoSystems Environmental, Inc.
Environmental Consulting Services

| | |
|-----------------|--|
| Client: | Phoenix 1 Restoration and Construction, Ltd. |
| | 14032 Distribution Way |
| | Farmers Branch, Texas 75234 |
| Project: | Old Mineral Wells High School Fire Damage |
| | 101 Northwest 5th Avenue |
| | Mineral Wells, Texas 76067 |
| | Report Date: 06/13/2022 |
| | ESEI Project #: 2202 1381 |

PLM BULK ASBESTOS ANALYSIS TEST REPORT
(NVLAP LAB CODE 101162-0, TDSHS LAB LICENSE NO. 30-0117)

Client Project #:

| Sample # / Lab | Sample Location / Material Sampled | Layer % | Non-Asbestos | | Asbestos Type | | |
|-------------------|---|---------|----------------------------|------------------|--------------------|------------------|------------|
| | | | Non-Fibrous Material | Fibrous Material | Asbestos Type | | |
| 9 22-36697 | Ground Floor Plaster Wall Substrate Tan/Non-Friable | A | Binder/Carbonate Quartz | 45 % 50 % | Cellulose 5 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 10 22-36697 | First Floor Plaster Wall, Scratch Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 60 % 40 % | Cellulose < 1 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 11 22-36697 | First Floor Plaster Wall, Finish Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 40 % 60 % | | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 12 22-36697 | First Floor Plaster Wall, Scratch Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 80 % 20 % | Cellulose < 1 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 13 22-36697 | First Floor Plaster Wall, Finish Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 50 % 45 % | Cellulose 5 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 14 22-36697 | First Floor Plaster Wall, Scratch Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 78 % 20 % | Cellulose 2 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 15 22-36697 | First Floor Plaster Wall, Finish Coat Tan/Non-Friable | A | Binder/Carbonate Quartz | 45 % 50 % | Cellulose 5 % | None Det. 0 % | |
| | | | | | | Total | 0 % |
| 16 22-36697 | Ground Floor Window Glazing Compound Beige/Non-Friable | A | Binder/Particulate | 99 % | Cellulose 1 % | None Det. 0 % | |
| | | | | | | Total | 0 % |



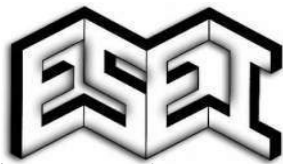
EcoSystems Environmental, Inc.
Environmental Consulting Services

PLM BULK ASBESTOS ANALYSIS TEST REPORT
(NVLAP LAB CODE 101162-0, TDSHS LAB LICENSE NO. 30-0117)

Client Project #:

| | |
|-----------------|--|
| Client: | Phoenix 1 Restoration and Construction, Ltd. |
| | 14032 Distribution Way |
| | Farmers Branch, Texas 75234 |
| Project: | Old Mineral Wells High School Fire Damage |
| | 101 Northwest 5th Avenue |
| | Mineral Wells, Texas 76067 |
| | Report Date: 06/13/2022 |
| | ESEI Project #: 2202 1381 |

| Sample # / Lab | Sample Location / Material Sampled | Layer % | Non-Asbestos | | Asbestos Type | | |
|-------------------|---|---------|--|--------------------|---------------|--------------|-------------|
| | | | Non-Fibrous Material | Fibrous Material | | | |
| 17 22-36697 | Ground Floor Window Glazing Compound Beige/Non-Friable | A | Binder/Particulate 98 % | Cellulose 2 % | None Det. | 0 % | |
| | | | | | | Total | 0 % |
| 18 22-36697 | Ground Floor Window Glazing Compound Beige/Non-Friable | A | Binder/Particulate 99 % | Cellulose 1 % | None Det. | 0 % | |
| | | | | | | Total | 0 % |
| 19 22-36697 | Ground Floor Window Caulk Brown/Non-Friable | A | Binder/Carbonate 88 % | Cellulose 2 % | Chrysotile | 10 % | |
| | | | | | | Total | 10 % |
| 20 22-36697 | Ground Floor Window Caulk Brown/Non-Friable | A | Binder/Carbonate 90 % | Cellulose < 1 % | Chrysotile | 10 % | |
| | | | | | | Total | 10 % |
| 21 22-36697 | Ground Floor Window Caulk Brown/Non-Friable | A | Binder/Carbonate 88 % | Cellulose 2 % | Chrysotile | 10 % | |
| | | | | | | Total | 10 % |
| 22 22-36697 | Exterior Hatch Board Barrier Tan/Non-Friable | A | Binder/Carbonate Quartz 75 % 15 % | Cellulose 10 % | None Det. | 0 % | |
| | | | | | | Total | 0 % |
| 23 22-36697 | Exterior Hatch Board Barrier Tan/Non-Friable | A | Binder/Carbonate Quartz 65 % 10 % | Cellulose 25 % | None Det. | 0 % | |
| | | | | | | Total | 0 % |
| 24 22-36697 | Exterior Hatch Board Barrier Tan/Non-Friable | A | Binder/Carbonate Quartz 70 % 10 % | Cellulose 20 % | None Det. | 0 % | |
| | | | | | | Total | 0 % |



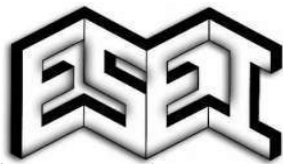
EcoSystems Environmental, Inc.
Environmental Consulting Services

PLM BULK ASBESTOS ANALYSIS TEST REPORT
(NVLAP LAB CODE 101162-0, TDSHS LAB LICENSE NO. 30-0117)

Client Project #:

| | |
|-----------------|--|
| Client: | Phoenix 1 Restoration and Construction, Ltd. |
| | 14032 Distribution Way |
| | Farmers Branch, Texas 75234 |
| Project: | Old Mineral Wells High School Fire Damage |
| | 101 Northwest 5th Avenue |
| | Mineral Wells, Texas 76067 |
| | Report Date: 06/13/2022 |
| | ESEI Project #: 2202 1381 |

| Sample # / Lab | Sample Location / Material Sampled | Layer % | Non-Asbestos | | Asbestos Type | | |
|-------------------|---|---------|----------------------|------------------|---------------|--------------|------------|
| | | | Non-Fibrous Material | Fibrous Material | | | |
| 25 22-36697 | Exterior Brick Red/Non-Friable | A | Binder/Carbonate | 80 % | None Det. | 0 % | |
| | | | Quartz | 20 % | | | |
| | | | | | | Total | 0 % |
| 26 22-36697 | Exterior Brick Mortar Tan/Non-Friable | A | Binder/Carbonate | 85 % | None Det. | 0 % | |
| | | | Quartz | 15 % | | | |
| | | | | | | Total | 0 % |
| 27 22-36697 | Exterior Brick Red/Non-Friable | A | Binder/Carbonate | 55 % | Cellulose | < 1 % | |
| | | | Quartz | 45 % | | | |
| | | | | | | Total | 0 % |
| 28 22-36697 | Exterior Brick Mortar Tan/Non-Friable | A | Binder/Carbonate | 55 % | None Det. | 0 % | |
| | | | Quartz | 45 % | | | |
| | | | | | | Total | 0 % |



EcoSystems Environmental, Inc.
Environmental Consulting Services

PLM BULK ASBESTOS ANALYSIS TEST REPORT
 (NVLAP LAB CODE 101162-0, TDSHS LAB LICENSE NO. 30-0117)

Client Project #:

| | |
|-----------------|---|
| Client: | Phoenix 1 Restoration and Construction, Ltd. |
| | 14032 Distribution Way |
| | Farmers Branch, Texas 75234 |
| Project: | Old Mineral Wells High School Fire Damage |
| | 101 Northwest 5th Avenue |
| | Mineral Wells, Texas 76067 |
| | Report Date: 06/13/2022 |
| | ESEI Project #: 2202 1381 |

BACKGROUND:

EcoSystems Environmental, Inc. (ESEI) is accredited by the National Voluntary Laboratory Accreditation Program, NVLAP Lab Code 101162-0 through the National Institute of Standards and Technology (NIST). ESEI is also licensed and authorized to perform as an asbestos laboratory by the Texas Department of State Health Services (License No. 30-0117). This report may not be used to claim product certification approval or endorsement by NVLAP, NIST, or any agency of the federal government. Results apply only to samples as received.

METHOD & LAYERING:

Bulk Samples are prepared and analyzed in accordance with the polarized light microscopy procedures outlined in the EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples. And the alternate EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials. The test reports can not be reproduced except in full and with ESEI's permission.

When a sample consist of two or more distinct layers or materials, each layer is analyzed and reported separately. Any layer containing more than 1% asbestos is declared by the National Emissions Standards for Hazardous Air Pollutants (NESHAP) as an asbestos-containing material (ACM).

PERCENTAGES & POINT COUNTING

Reported percentages of asbestos are visual estimates by volume; quantitation is achieved by utilizing a stereobinocular microscope. The Asbestos NESHAP Revision Final Rule states that regulated asbestos-containing materials (as defined in 40 CFR Section 61.141) containing less than 10% asbestos (including the samples that contain a trace or less than 1% asbestos which are considered by the EPA as asbestos-containing materials if analyzed by Polarized Light Microscopy (PLM) may be verified by point counting. If the lab detects the asbestos content of a sample to be <10%, the client may: 1) elect to assume the amount to be greater than 1% and treat the material as asbestos containing or 2) require the verification of the amount by point counting. If a result obtained by point counting is different from a result obtained by visual estimation, the point count result will be used. Samples for which no asbestos is detected by the PLM do not need to be point counted.

TYPES OF ASBESTOS:

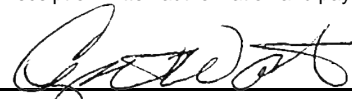
Asbestos is a general term to one of several naturally occurring fibrous minerals. These are divided into two categories: serpentine and amphiboles. Chrysotile, a serpentine, is the most commonly found form of asbestos. The five other types are all amphiboles. These include Amosite, (fibrous grunerite), Crocidolite (fibrous riebeckite), fibrous Anthophyllite, fibrous Tremolite and fibrous Actinolite.

BACKGROUND MATERIALS:

Materials which do not contain Asbestos are reported for each sample. These background materials are divided into Fibrous and non-fibrous types. Common Fibrous materials include glass, mineral wool, cellulose, paper, and synthetics (nylon, rayon, Dacron). Common non-fibrous materials include binder (glues), mica, quartz, vermiculite, clays, lizardite and talc.

SAMPLE STORAGE:

Bulk samples are double bagged and stored for 90 days unless otherwise arranged with the client. Samples can be returned within 90 day period upon receipt of written authorization and payment of a return fee.



Cindy Watkins - Analyst



EcoSystems Environmental, Inc.

Environmental Consulting Services

DSHS Laboratory No. 30-0117
NVLAP Lab Code 101162-0

22-36497

Asbestos Chain of Custody

Inspector: R Gout License No.: 10-5051

Company: **Phoenix 1 Restoration and Construction, Ltd.**
14032 Distribution Way

Project: **Old Mineral Wells High School Fire Damage**
101 Northwest 5th Avenue

Farmers Branch, Texas 75234

Mineral Wells, Texas 76067

Phone: (214) 902-0111 Fax: (214) 904-9635

Project #: **22021381**

Contact: **Mr. Dale Sellers**

TAT: Normal 24 Hour Other _____

Email: dsellers@phoenix1.org

P.O. #: _____ Date: 6/4/22 Analysis: PLM

| Sample ID | Sample Location/Description | C/F | Qty |
|-----------|--|-----|-----|
| 1 | Floor Tile <u>GROUND FLOOR</u> | 2 | N/A |
| 2 | ↓ Mastic | ↓ | ↓ |
| 3 | ↓ | ↓ | ↓ |
| 4 | ↓ mastic | ↓ | ↓ |
| 5 | ↓ | ↓ | ↓ |
| 6 | ↓ mastic <u>"</u> | ↓ | ↓ |
| 7 | Plaster Wall Substrate <u>GROUND FLOOR</u> | 3 | |
| 8 | ↓ | ↓ | ↓ |
| 9 | ↓ | ↓ | ↓ |
| 10 | Plaster Wall Scratch Coat <u>FIRST FLOOR</u> | 3 | |
| 11 | ↓ Finish Coat | ↓ | ↓ |
| 12 | ↓ Scratch Coat | ↓ | ↓ |
| 13 | ↓ Finish Coat | ↓ | ↓ |
| 14 | ↓ Scratch Coat | ↓ | ↓ |
| 15 | ↓ Finish Coat | ↓ | ↓ |
| 16 | Window Glazing Compound <u>GROUND FLOOR</u> | 3 | |
| 17 | ↓ | ↓ | ↓ |
| 18 | ↓ | ↓ | ↓ |
| 19 | Window Caulk | 3 | |
| 20 | ↓ | ↓ | ↓ |
| 21 | ↓ | ↓ | ↓ |

C/F = Condition of Friability

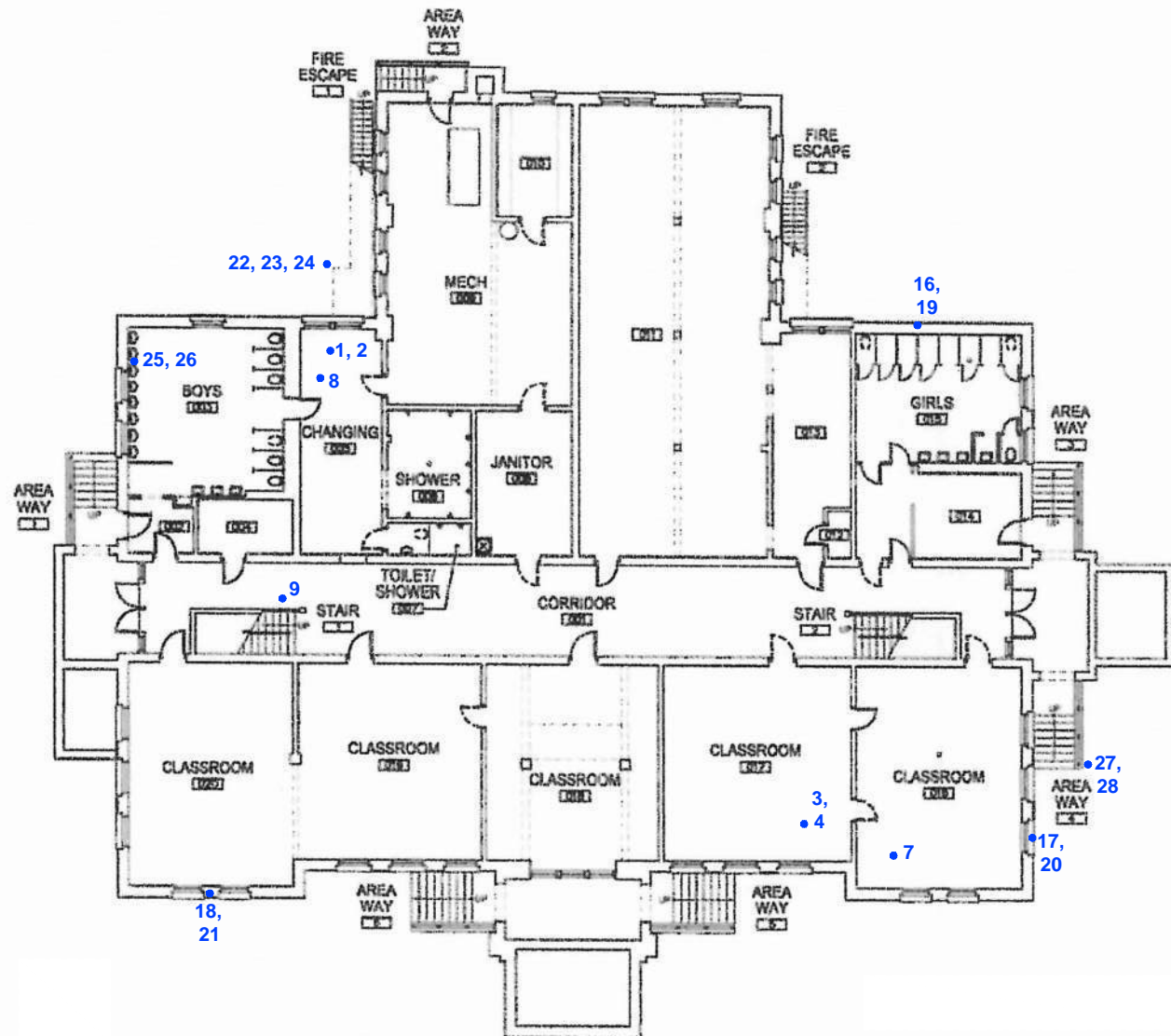
1 = Friable (ex. ACM that, when dry, can be crumbled, pulverized, or reduced to powder by normal hand pressure. Ex. spray-on, joint compound, etc.)

2 = Category I Nonfriable (ex. ACM packings, gaskets, resilient floor covering, and asphalt products.)

3 = Category II Nonfriable (ex. ACM excluding Cat I Nonfriable ACM, that when dry, cannot be crumbled, pulverized, or reduced to powder by normal hand pressure)

Relinquished by: [Signature] Date/Time: 6/4/22 Received by: [Signature] Date/Time: 6/9/22 8:59am
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

APPENDIX D
SITE DRAWINGS



LEGEND:

• SAMPLE LOCATION/DESIGNATION



DATE: 6/9/2022

CHECKED BY: RG

SCALE: N.T.S.

DRAWN BY: CDD

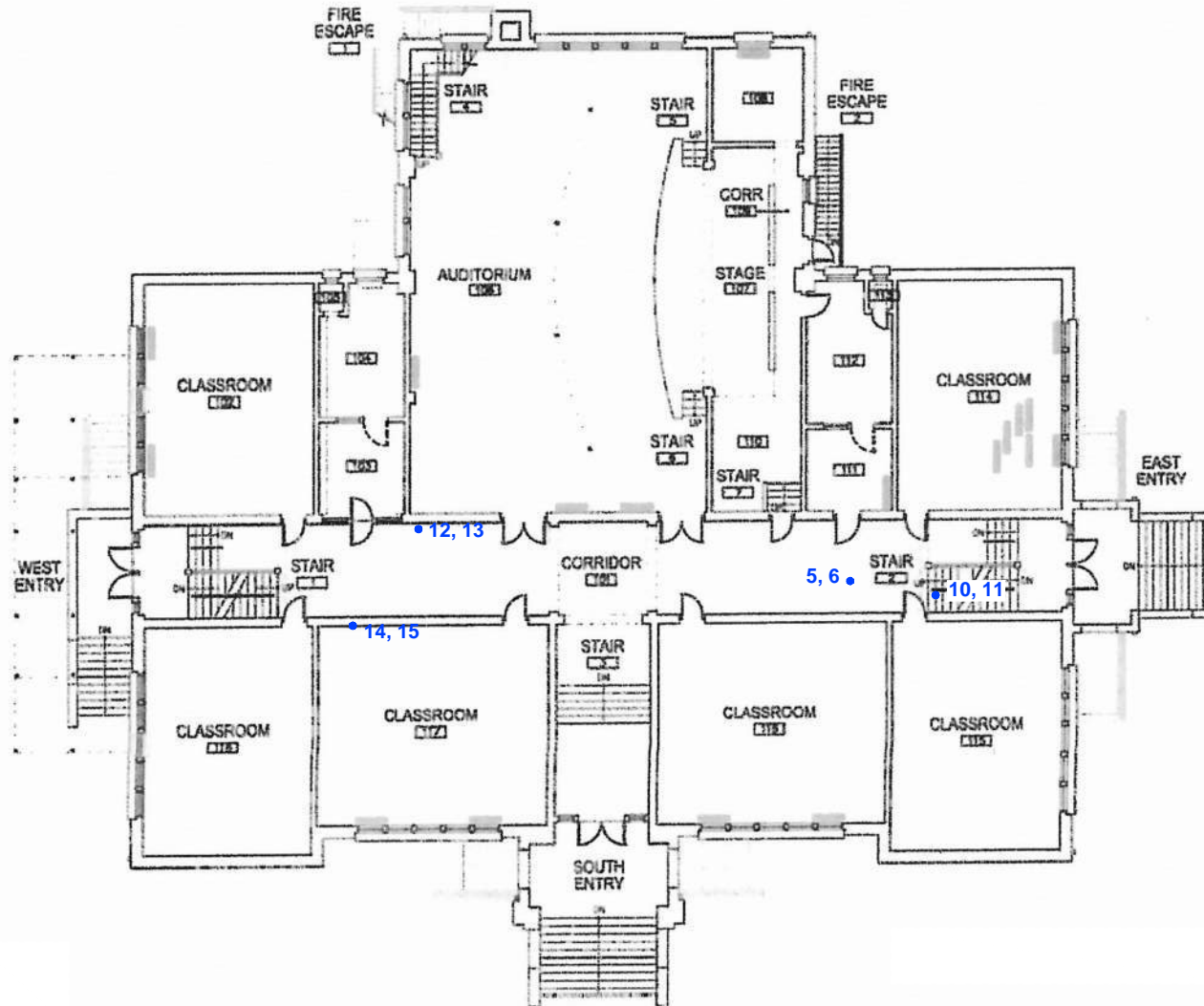
FN: 22021381.dwg

FIGURE 1: SAMPLE LOCATION PLAN - GROUND FLOOR

OLD MINERAL WELLS HIGH SCHOOL FIRE DAMAGE
 101 NORTHWEST 5TH AVENUE
 MINERAL WELLS, TEXAS 76067



EcoSystems Environmental, Inc.
 ESEI PROJ.#: 22021381



LEGEND:

• SAMPLE LOCATION/DESIGNATION



DATE: 6/9/2022

CHECKED BY: RG

SCALE: N.T.S.

DRAWN BY: CDD

FN: 22021381.dwg

FIGURE 2: SAMPLE LOCATION PLAN - FIRST FLOOR

OLD MINERAL WELLS HIGH SCHOOL FIRE DAMAGE
 101 NORTHWEST 5TH AVENUE
 MINERAL WELLS, TEXAS 76067



EcoSystems Environmental, Inc.
 ESEI PROJ.#: 22021381

**SECTION 02 41 00
DEMOLITION**



PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Building demolition includes the safe disposal of Hazardous Materials .
- B. Selective demolition of built site elements.
- C. Selective demolition of building elements for alteration purposes.
- D. Abandonment and removal of existing utilities and utility structures.

1.02 RELATED REQUIREMENTS

- A. Section 00 31 00 - Available Project Information: Existing building survey conducted by Owner; information about known hazardous materials.
- B. Section 01 10 00 - Summary: Limitations on Contractor's use of site and premises.
- C. Section 01 50 00 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- D. Section 01 57 13 - Temporary Erosion and Sediment Control.
- E. Section 01 70 00 - Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.
- F. Section 31 06 01: Fill material for filling holes, pits, and excavations generated as a result of removal operations.

1.03 DEFINITIONS

- A. Demolish: Dismantle, raze, destroy, or wreck any building or structure or any part thereof.
- B. Remove: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.
- C. Remove and Salvage: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.
- D. Remove and Reinstall: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.
- E. Existing to Remain: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

1.04 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.
- B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2022, with Errata (2021).

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Site Plan: Indicate:
 - 1. Areas for temporary construction and field offices.
- C. Demolition Plan: Submit demolition plan as required by OSHA and local AHJs.
 - 1. Indicate extent of demolition, removal sequencing, bracing and shoring, and location and construction of barricades and fences.
 - 2. Demolition firm qualifications.
- D. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

1.06 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: Company specializing in the type of work required.
 - 1. Minimum of 5 years of documented experience.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Fill Material: See Section 31 06 01.

PART 3 EXECUTION

3.01 DEMOLITION

- A. Remove the entire building designated on the drawings.
- B. Within area of demolition, remove foundation walls and footings to minimum 2 feet below finished grade.
- C. Break up concrete slabs within site boundaries to permit natural moisture drainage; leave pieces not larger than 1 square yard.
- D. Fill excavations, open pits, and holes in ground areas generated as result of removals, using specified fill; compact fill as specified in Section 31 22 00.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - 1. Obtain required permits.
 - 2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 3. Provide, erect, and maintain temporary barriers and security devices.
 - 4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
 - 6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
 - 7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.
- B. Do not begin removal until receipt of notification to proceed from Owner.
- C. Protect existing structures and other elements to remain in place and not removed.
 - 1. Provide bracing and shoring.
 - 2. Prevent movement or settlement of adjacent structures.
 - 3. Stop work immediately if adjacent structures appear to be in danger.
- D. Hazardous Materials:
 - 1. Hazardous Materials: Comply with 29 CFR 1926 and state and local regulations.

3.03 EXISTING UTILITIES

- A. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.
- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

- E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.
- F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
- G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.

3.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
 - 1. Verify construction and utility arrangements are as indicated.
 - 2. Report discrepancies to Architect before disturbing existing installation.
 - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Remove existing work as indicated and required to accomplish new work.
 - 1. Remove items indicated on drawings.
- C. Services including, but not limited to, HVAC, Plumbing, and Electrical: Remove existing systems and equipment as indicated.
 - 1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
 - 2. Verify that abandoned services serve only abandoned facilities before removal.
 - 3. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
- D. Protect existing work to remain.
 - 1. Prevent movement of structure. Provide shoring and bracing as required.
 - 2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
 - 3. Repair adjacent construction and finishes damaged during removal work.
 - 4. Patch to match new work.

3.05 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

