



**Invitation to Bid: MCED 2020-001
Demolition and/or Asbestos Removal
Morgan County Park & Rec Building
560 Shull Rd, Hartselle, AL**

Bids will be received until 10:00 A.M., local time, on Wednesday, June 17, 2020 at the Morgan County Engineering Department, 580 Shull Road NE, Hartselle, AL 35640 with public bid opening to follow (See Section 1.1.1)

Alabama Code Section 39-3-5, resident contractor preference, applies



Project Location
Park & Rec Building.
560 Shull Road
Hartselle, AL



Morgan County
Engineering Dept.



Morgan County
District No.2 Shop

Shull Rd

Kyle Rd

To Hartselle

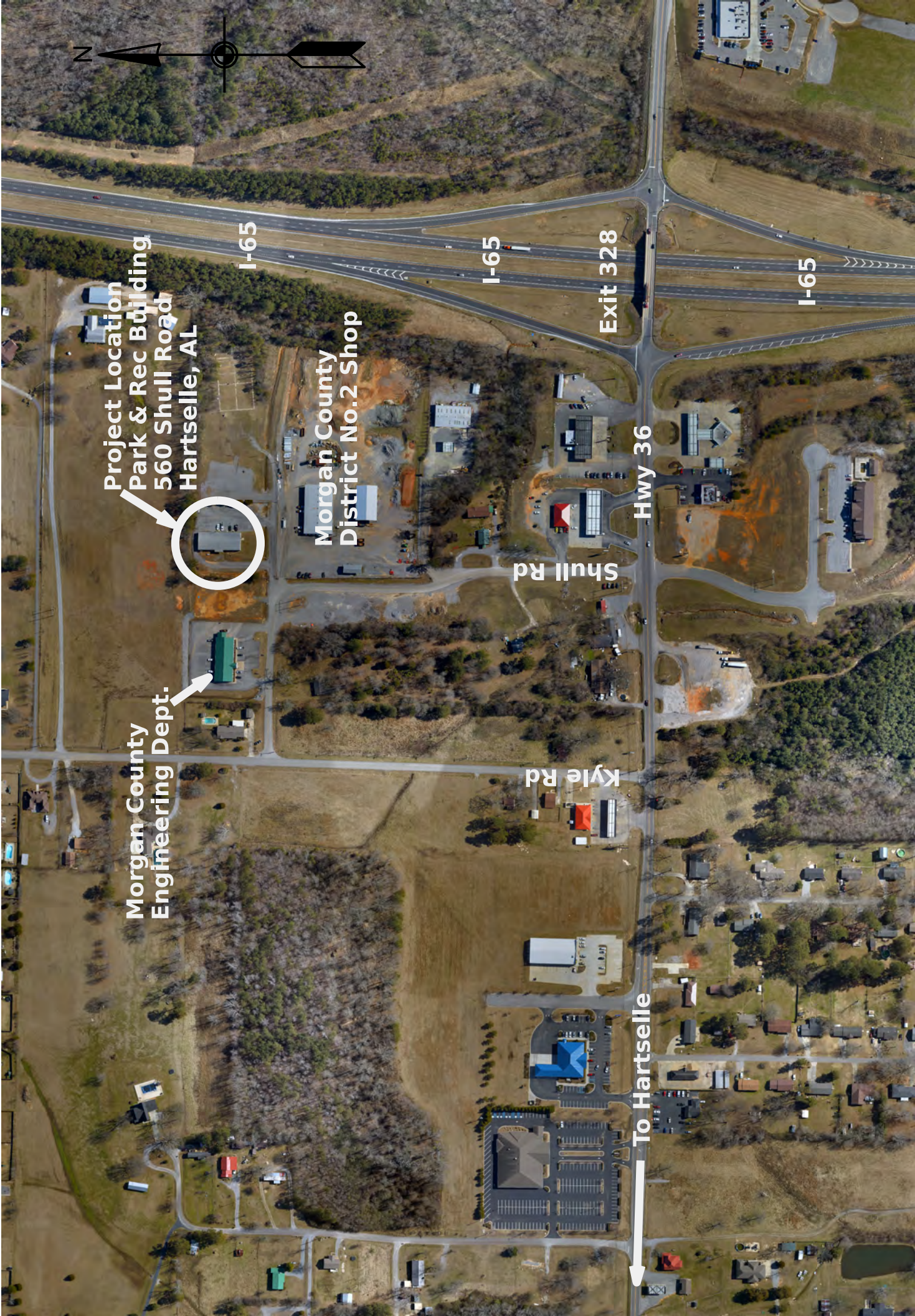
Hwy 36

Exit 328

I-65

I-65

I-65



Demolition and/or Asbestos Removal of Park & Rec Building, Bid: MCEd 2020-001
Morgan County Commission
Morgan County, AL

Bidder Must Initial each Page

Bidder's Initials: _____

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Asbestos Survey

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General Project Scope: Demolish with Debris Removal and/or Remove Asbestos Morgan County Park & Rec Building. All work performed according to specifications.

Morgan County Park & Rec Building Location: 560 Shull Road N.E., Hartselle, Alabama 35640

1.0 General Bid and Contract Requirements

1.1 Bid Opening and Submission

1.1.1 Sealed Bids will be received until **10:00 A.M., local time, on Wednesday, June 17, 2020** at the Morgan County Engineering Department, 580 Shull Road NE, Hartselle, AL 35640 with public bid opening to follow.

Envelopes containing bids must be sealed and marked as follows:

- **Name and address of the bidder**
- **Alabama General Contractor's License Number**
- **Bid number: "BID ENCLOSED: MCED 2020-001 Building Demo"**
- **Date and hour of opening: "10:00 A.M., June 17, 2020"**
- **Addressed: "Morgan County Engineer / 580 Shull Rd. NE / Hartselle, AL 35640"**

1.1.2 Faxed or emailed bids will not be accepted. For additional information contact the Morgan County Engineering Department at (256) 773-5297.

1.2 Bid Notes

1.2.1 The Morgan County Commission reserves the right to reject any and all Bids and to waive any informality in bids.

1.2.2 Morgan County will accept bids from Equal Opportunity Employers only.

1.2.3 Alabama Code Section 39-3-5, resident contractor preference, applies

1.2.4 It is the intent of the Morgan County Commission that any firm dealing in the type of work desired is allowed to bid. If any prospective bidder feels that any part of these specifications would prohibit them from submitting a bid, or has any questions regarding this bid, please contact the Morgan County Engineer any time prior to the date bids are to be opened at (256) 773-5297 / 580 Shull Rd. NE / Hartselle, AL 35640.

1.2.5 Within these specifications, the Bidder shall assume duties of the Contractor.

1.2.6 Within these specifications, the Morgan County Commission, or their duly authorized representative, shall assume duties of the Owner.

1.2.7 Any white out, strike through, modification or erasure on the bid sheet **MUST BE INITIALED AND DATED BY BIDDER** or bid may not be considered.

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1.3 Bonding Requirements:

- 1.3.1 All bonds shall be made payable to the Morgan County Commission. The bonds shall be written by a surety licensed to do business in Morgan County, Alabama and shall be satisfactory to the Owner.
- 1.3.2 Bid Bond: A bid bond executed by a surety authorized to make such bonds in Alabama or a cashier's check drawn on an Alabama Bank in the amount of not less than five (5) percent of the Bid but not more than Ten Thousand Dollars (\$10,000.00), must accompany each bid. Said bond will be returned after award to successful bidder, unless forfeited by a violation of bid terms by bidder.
- 1.3.3 Performance Bond: The successful contractor shall execute a performance bond, with penalty equal to one hundred percent (100%) of the amount of the contract price.
- 1.3.4 Labor and Materials Bond: The successful contractor shall execute a labor and material payment bond, with penalty equal to one hundred percent (100%) of the contract price as security for the payment of all labor, equipment, materials, services and fees in connection with this contract.

1.4 Insurance Requirements:

- 1.4.1 Contractor's and Subcontractor's Insurance: The contractor shall not commence work under this contract until he has obtained all the insurance required under this paragraph and such insurance has been approved by the county administrator, nor shall the contract allow any subcontractor to commence work on his sub-contract until the insurance required of the subcontract has been so obtained and approved.
- 1.4.2 Workman's Compensation insurance: The contractor shall procure and shall maintain during the life of the contract, Workman's Compensation Insurance and Death Liability Insurance for all of the employees engaged in work on the project under the contract, and in case any such work is sublet, the contractor shall require the subcontractor similarly to provide Workman's Compensation Insurance and Death Liability Insurance for all of the latter's employees engaged in such work unless such employees engaged in hazardous work on the project under his contract are not protected under Workman's Compensation Statute, the contractor shall provide and shall cause each subcontractor to provide adequate employer's general liability insurance for the protection of such of his employees not otherwise protected.
- 1.4.3 Contractor's Public Liability and Property Damage Insurance: The contractor shall procure and shall maintain during the life of this contract, Contractor's Public Liability Insurance in an amount not less than \$1,000,000 for injuries, including accidental death to any one person and subject to the same limit for each person in

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an amount not less than \$1,000,000 on account of one accident, the Contractor's Property Damage Insurance in an amount not less than \$1,000,000 each occurrence and aggregate.

- 1.4.4 Subcontractor's Public Liability and Property Damage Insurance: The contractor shall require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage Insurance of the type specified for the contractor in the amount specified.
- 1.4.5 Automobile Public and Property Damage Insurance: The contractor and each of his subcontractors shall procure and maintain during the life of his subcontract, Automobile Public Liability Insurance in an amount not less than \$300,000 single limit for injuries, including accidental death and property damage. Insurance for automobiles shall include: the contractor's owned automobiles and trucks, hired automobiles and trucks, and automobiles and trucks not owned by the contractor.
- 1.4.6 Insurance Policy Requirement: The insurance policies required by Sections 1.4.3, 1.4.4 and 1.4.5 above shall name Morgan County, a body corporate, the Morgan County Commission together with their commissioners, appointees, directors, officers, agents, servants and employees as additional insureds and certificates of such insurance, showing the inclusion of such additional insureds, shall be presented to the County prior to commencement of the work. Furthermore, the insurance policies required by Sections 1.4.3, 1.4.4 and 1.4.5 above shall not be canceled, non-renewed or changed unless said cancellation, non-renewal or change has prior written approval from the Owner.

1.5 Contract Payments

- 1.5.1 Contract will be paid in accordance with the Code of Alabama 1975 § 39-2-12. Contract shall be paid as a lump sum contract if completed within 30 days. If project extends past 30 days, the contractor may request partial payments once a month which will be paid according to Code of Alabama 1975 § 39-2-12.
- 1.5.2 Upon completion and acceptance of all work required, contract will be paid in full less liquidated damages and 2.5% (5% of 50%) withheld as retainage. The contractor will be paid in full once the project is completed and accepted by the Owner and upon presentation of the following:
- 1.5.2.(a) A properly executed and duly certified voucher for payment.
 - 1.5.2.(b) A release of all claims and claims of liens against the awarding authority arising by virtue of the contract.
 - 1.5.2.(c) Proof of advertisement of project completion (four consecutive weeks).

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2.0 General Project Requirements

2.1 Products and Materials Origin

2.1.1 Code of Alabama Section 39-3-1

2.1.1.(a) Contractor shall use materials, supplies, and products manufactured, mined, processed, or otherwise produced in the United States or its territories, if the same are available at reasonable and competitive prices and are not contrary to any sole source specification implemented under subsection (f) of Section 39-2-2.

2.1.1.(b) In the event the contractor breaches the agreement to use domestic products, and domestic products are not used, there shall be a downward adjustment in the contract price equal to any realized savings or benefits to the contractor.

2.1.2 Code of Alabama Section 39-3-4

2.1.2.(a) Contractor shall use steel produced within the United States when specifications in the construction contract require the use of steel and do not limit its supply to a sole source under subsection (f) of Section 39-2-2. If the awarding authority decides that the procurement of the above mentioned domestic steel products becomes impractical as a result of a national emergency, national strike, or other cause, the awarding authority shall waive the above restriction.

2.1.2.(b) In the event the contractor violates the domestic steel requirements of subsection 2.1.2.(a), and domestic steel is not used, there shall be a downward adjustment in the contract price equal to any realized savings or benefits to the contractor.

2.2 Regulations and Codes

2.2.1 The precautions and procedures to be taken before and during the demolition and construction works shall be in accordance with federal, state and local requirements as well as any additional requirements set forth in the plans and specifications. In cases where requirements may be in conflict, the more stringent requirements shall apply.

2.2.2 Work will comply with all applicable Federal, State, City and Local Regulations and Ordinances as related to the type of work performed.

2.2.3 The codes, standards and practices listed shall be the latest edition.

Publications listed below form a part of this specification to extent referenced.

Publications are referenced in text by basic designation only. The following list is not all inclusive.

2.2.3.(a) Alabama Department of Environmental Management (ADEM):

www.adem.state.al.us:

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2.2.3.(b) Americans with Disabilities Act

2.2.3.(c) Occupational Safety & Health Administration (OSHA), U.S. Department of Labor

2.2.3.(d) Code of Alabama

2.3 Permitting, Testing and Inspections

2.3.1 Contractor shall obtain all permits as required at no cost to the Owner.

2.3.2 Contractor shall schedule all inspections as required.

2.3.3 Contractor shall be responsible for obtaining and coordinating all required inspections and testing.

2.3.4 All required inspections and testing shall be certified in writing.

2.4 Warranty

2.4.1 N/A

2.5 Site Assessment Required

2.5.1 The Contractor shall accept the site in its present condition and must inspect the site and buildings. Call the Morgan County Engineering Dept. M-TH 8:00-4:00 at 256.773.5297 to arrange an appointment time to view the structure. The County assumes no responsibility for the condition of existing buildings, structures, and other property within the construction area, or the condition of the property.

2.5.2 Contractor must inspect the site before placing bid. A bid from a Contractor not inspecting the site may not be considered.

2.5.3 The contractor must inspect the site and make their own assessment of the prevailing site conditions, including the position of all existing services, the extent of all demolition, etc., the nature of the access together with the requirements of all other works necessary to facilitate the completion of the contract.

2.5.4 Any material removed from the structure(s) shall be completely removed from the site and disposed of properly. The contractor must observe all laws & ordinances governing the hauling and disposal of debris. Storage or sale of removed items or materials on-site will not be permitted.

2.6 Precautions before Demolition/Construction Works

2.6.1 Work will not commence until the precautionary measures are in place.

2.6.2 Security fencing may be provided around the perimeter of the demolition/construction site and any additional precautionary measures taken, as may be necessary to prevent unauthorized entry to the site at all times during the demolition/construction period. Notices lettered "Danger! Construction in

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Progress" or a similar message shall be placed at the site, at appropriate places, to warn the public. It shall be the Contractor's responsibility to place and construct the necessary warning signs, barricades and fencing, as directed by Morgan County. The cost of these items shall be considered incidental to the work.

- 2.6.3 Any service retained for demolition will be adequately protected and if necessary, arrangements shall be made with the relevant authority to fully protect any service
- 2.6.4 The Contractor shall not damage or cause to be damaged any public right-of-way, structures, parking lots, drives, streets, sidewalks, utilities, lawns or any other property adjacent to the demolition site. The Contractor shall provide such sheeting and shoring as required to protect adjacent property during demolition. Care must also be taken to prevent the spread of dust and flying particles. All protection works to the adjoining properties (as required) will be in place before demolition works.

2.7 Precautions during Demolition/Construction Works

- 2.7.1 Demolition and construction shall be undertaken in a careful and proper manner and with a minimum disturbance to the adjoining owners and to the public and the occupants.
- 2.7.2 Procedures and method will be adequate to prevent injury to persons and avoid damage to neighboring property
- 2.7.3 Containers for the disposal of debris shall be provided by contractor. Debris shall not be allowed to accumulate on areas outside of designated waste areas. Excess debris and materials shall be removed from the site as the work progresses.
- 2.7.4 Any cost incurred by the jurisdiction in cleaning up any litter or debris shall be charged to the Contractor and be deducted from funds due for the work.
- 2.7.5 All demolished, excess, scrap, etc.... materials shall become the Contractor's property and shall be removed, recycled, or disposed from the project site in an appropriate and legal manner.
- 2.7.6 The examination, removal, handling and disposal of any hazardous, noxious, toxic or explosive materials shall be in accordance with all applicable federal, state, city and local regulations and ordinances. The examination, removal, handling, disposal and placing of materials shall be included in the lump sum price.
- 2.7.7 No combustible material and rubbish will be left on site as to cause a fire hazard.
- 2.7.8 Do not burn, bury or otherwise dispose of rubbish and waste materials on project site.

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3.0 Liquidated Damages

3.1 Duration

- 3.1.1 The allowable construction period is as submitted by bidder on bid sheet.
- 3.1.2 The construction period may be considered in the award of the contract. Fewer construction days may add value to the project.

3.2 Liquidated damages

- 3.2.1 Liquidated damages in the amount of One Hundred Dollars (\$100.00) a day for site conditions plus Two Hundred and Fifty Dollars (\$250.00) per day for remaining building/asbestos removal shall be charged beginning on the 1st day after bidder's "Construction Time Allowed" time ends and continue until the project is completed.
- 3.2.2 Project shall be considered completed when the site condition has been accepted by the Owner and the Scope of Work items are completed and approved by the Owner and any regulatory agency having jurisdiction.
- 3.2.3 The site condition shall encompass cleaning the site of construction and debris materials caused by operations.

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4.0 Project Details and Specifications

4.1 General Description and Details

- 4.1.1 Work shall consist of providing the necessary labor, materials, equipment, and supervision for the (Option #1) partial demolition (steel building frame to remain in place) and all asbestos removal or (Option #2) complete demolition and all asbestos removal or (Option #3) all asbestos removal for the above Morgan County park and recreation building located at 560 Shull Rd, Hartselle, AL 35640. Asbestos to be removed at a minimum as identified in attached Asbestos survey. ADEM "Notice of Asbestos Abatement and/or Demolition" form shall be completed and submitted to ADEM a minimum of 10 days before beginning demolition or removal.
- 4.1.2 All friable asbestos containing material must be properly removed and disposed before building demolition.
- 4.1.3 All work shall be in compliance with applicable codes. The Alabama Department of Environmental Management (ADEM) requires all asbestos wastes to be disposed of in a permitted facility. Friable asbestos waste must be properly containerized and labeled.
- 4.1.4 Allowances for Additional Materials: There may be asbestos materials in areas of the building that were not accessible at the time of the asbestos survey or which were otherwise not noted. The cost involved in locating and removing asbestos materials not previously identified shall be a subsidiary obligation under this contract with no additional compensation. There will be no additional change orders issued. It is the contractor's responsibility to be familiar with the project and determine quantities of asbestos containing materials.

4.2 Submittals

- 4.2.1 ADEM "Notice of Asbestos Abatement and/or Demolition" form.
- 4.2.2 Letter from the chosen waste disposal facility indicating that they will accept the friable asbestos waste from this project and are permitted by ADEM to accept friable asbestos waste.
- 4.2.3 Copy of the Contractors ADEM certificate to perform asbestos removal work within the State of Alabama.
- 4.2.4 Signed statement from the Asbestos removal contractor certifying that all of his employees that will be on site have had medical evaluations by a licensed physician within the last 12 months.

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- 4.2.5 Individually signed workers asbestos acknowledgement forms by each and every worker to be utilized on the project.
- 4.2.6 Documentation of respiratory protection training and fit testing for each Contractor employee that will be on site. Fit testing dates must be within six months of the anticipated project completion date.
- 4.2.7 Safety data sheet for all chemicals that will be used or that will be present on the job site.

4.3 Scope of Work

4.3.1 General

- 4.3.1.(a) Examine the areas and conditions under which work of this section will be performed. Do not proceed until unsatisfactory conditions have been corrected. Should any deficiencies exist, the owner and general contractor shall be notified in writing before making corrections.
- 4.3.1.(b) All work shall be done in a workmanlike manner and in accordance with manufactures recommendations.
- 4.3.1.(c) Premises in the vicinity of the work shall be left clean. The site shall be cleared of all debris to the satisfaction of the Morgan County Commission, or their appointed representative. Clean adjacent streets of dust, dirt, construction and debris materials caused by operations. Return adjacent areas to conditions existing before start of construction.

4.3.2 Safety Requirements

- 4.3.2.(a) Proper safety precautions shall be followed throughout the entire operation.
- 4.3.2.(b) Special care shall be taken to assure manufacture's safety data sheets (SDS) are followed.
- 4.3.2.(c) Under no circumstances shall any dust, fumes, gas, vapor, mist or other emissions generated under the Scope of Work be allowed to enter buildings including windows, doors, exterior intakes and air conditioning vents.
- 4.3.2.(d) If dust, fumes, gas, vapor, mist, or other emissions are generated under the Scope of Work then the use of process enclosures, local exhaust ventilation or other engineering controls are required to keep exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- 4.3.2.(e) OSHA and local regulations shall be strictly followed.
- 4.3.2.(f) Dispose of all trash, debris and empty containers in accordance with local regulations.

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- 4.3.2.(g) A properly maintained fire extinguisher will be available at all work sites.
- 4.3.2.(h) All safety requirements shall be the responsibility of the contractor. The contractor is responsible for providing the necessary safe use of the products.
- 4.3.2.(i) Contractor acknowledges and agrees that he is solely responsible for enforcing worker protection requirements.

4.3.3 Option #1 Bid: Provide labor, materials and equipment necessary to complete the work for the Morgan County Park & Rec building located at 560 Shull Rd Hartselle, AL. Work shall be to remove and properly dispose of all asbestos contained in the building and the demolition, removal and proper disposal of all parts of the building other than the steel building frame and concrete slab (building frame to remain in place):

- 4.3.3.(a) See attached Asbestos survey for areas of known asbestos containing materials. Once removal/demolition begins additional materials containing asbestos may be found and shall be properly disposed of with no additional compensation.
- 4.3.3.(b) Any man-made element associated and/or connected to the existing building shall be removed except the steel building frame and concrete slab.
- 4.3.3.(c) Asphalt parking lot to remain in place.
- 4.3.3.(d) Existing perimeter chain link fence to remain in place.

4.3.4 Option #2 Bid: Provide labor, materials and equipment necessary to complete the work for the Morgan County Park & Rec building located at 560 Shull Rd Hartselle, AL. Work shall be to remove and properly dispose of all asbestos contained in the building and demolish, remove and proper disposal of the remaining building below the concrete floor, including the following:

- 4.3.4.(a) See attached Asbestos survey for areas of known asbestos containing materials. Once removal/demolition begins additional materials containing asbestos may be found and shall be properly disposed of with no additional compensation.
- 4.3.4.(b) Any man-made element associated and/or connected to the existing building shall be removed.
- 4.3.4.(c) Asphalt parking lot to remain in place.
- 4.3.4.(d) Existing perimeter chain link fence to remain in place.

4.3.5 Option #3 Bid: Provide labor, materials and equipment necessary to complete the work for the Morgan County Park & Rec building located at 560 Shull Rd Hartselle, AL. Work shall be to remove and properly dispose of all asbestos currently known and/or unknown contained in the building:

- 4.3.5.(a) See attached Asbestos survey for areas of known asbestos containing materials.
- 4.3.5.(b) All areas of the building shall be inspected for asbestos. All additional materials containing asbestos found shall be properly disposed of with no additional compensation.

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5.0 BID SHEETS

Completion Time:

All construction shall be completed within the bid time listed below. Time will start within 15 days of the contract execution unless an extension is agreed to by both parties.

***Liquidated Damages:**

(See Section 3) Liquidated damages in the amount of One Hundred Dollars (\$100.00) a day for site conditions plus Two Hundred and Fifty Dollars (\$250.00) per day for remaining building/asbestos removal shall be charged beginning on the 1st day after bidder's "Construction Time Allowed" time ends and continue until the project is completed.

Stipulations:

The undersigned bidder, in compliance with your request for bids for the above project, having examined specifications, related documents, and site of the proposed project, hereby proposes to furnish all labor, equipment, insurance, fees, permits, bonds and materials to complete said project as required. Furthermore, if awarded the contract, the undersigned bidder also agrees to indemnify and hold harmless Morgan County, a body corporate, the Morgan County Commission, and their commissioners, appointees, directors, officers, agents, servants and employees of and from any and all claims, causes of action, losses, liabilities and judgments arising out of the contract or the work performed under the contract.

***NOTE: Construction time may be used in determining the lowest responsive bidder. Value may be given to fewer calendar days.**

***NOTE: Bid must be competed in ink with white-outs and erasures initialed and dated**

OPTION #1 : Provide labor, materials and equipment necessary to Remove all asbestos and Demolish and Remove the entire Morgan County Park and Rec building except the steel frame and concrete slab . Building located at 560 Shull Rd Hartselle, AL.

BID PRICE: \$ _____ LUMP SUM

TIME ALLOWED: _____ CALENDAR DAYS

OPTION #2 : Provide labor, materials and equipment necessary to Remove all asbestos and Demolish and Remove the entire Morgan County Park and Rec building including concrete slab. Building located at 560 Shull Rd Hartselle, AL.

BID PRICE: \$ _____ LUMP SUM

TIME ALLOWED: _____ CALENDAR DAYS

Demolition and/or Asbestos Removal of Park & Rec Building, Bid: MCED 2020-001

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OPTION #3 : Provide labor, materials and equipment necessary to Remove all asbestos in the Morgan County Park and Rec building located at 560 Shull Rd Hartselle, AL.

BID PRICE: \$ _____ **LUMP SUM**

TIME ALLOWED: _____ CALENDAR DAYS

Company Name: _____

Authorized Signature: _____ Date _____

Address: _____

Telephone: _____ Email: _____

STATE OF ALABAMA
COUNTY OF MORGAN

I, the undersigned authority, a Notary Public in and for said County and State, hereby certify that

_____ whose names are signed to the foregoing instrument,
and who are known to me, acknowledged before me on this date that, being informed of the contents of said instrument, they executed the same
voluntarily on the day same bears date.

GIVEN under my hand and seal on this the _____ day of _____, 2020

NOTARY PUBLIC

My commission expires: _____

**LIMITED ASBESTOS CONTAINING BUILDING
MATERIAL SURVEY**

OF THE

**COMMERCIAL STRUCTURE
560 SHULL ROAD
HARTSELLE, ALABAMA**

TTSI PROJECT # 2020-0218



Environmental, Health & Safety Solutions

Prepared for:

**Morgan County Engineering Department
Mr. Brian Blanks
580 Shull Road
Hartselle, Alabama**

Prepared by:

**Terrell Technical Services, Inc.
Environmental, Health & Safety Solutions
P. O. Box 1116
Madison, Alabama 35758**

February 2020

February 26, 2020

Morgan County Engineering Department
Mr. Brian Blanks
580 Shull Road
Hartselle, Alabama 35640

Re: Limited Asbestos Containing Building Material Survey of the Commercial Structure Located at 560 Shull Road in Hartselle, Alabama (TTSI Project # 2020-0218)

Mr. Blanks,

On February 18, 2020, representatives of Terrell Technical Services, Inc. (TTSI) performed a limited asbestos containing building material survey of the commercial structure located at 560 Shull Road in Hartselle, Alabama. The survey was performed to precede any future renovation or demolition activities in the structure which will fall under the regulations of the U.S. EPA Clean Air Act, National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 – Subpart M, Asbestos Renovation and Demolition Standards and OSHA 29 CFR 1926.1101 Asbestos Worker Protection Standards for Construction.

TTSI conducted the survey in accordance with project applicable sections of the American Society for Testing and Materials (ASTM) Standard E2356 – 18 Standard Practice for Comprehensive Building Asbestos Surveys. TTSI utilized a U.S. EPA / State of Alabama Accredited Asbestos Inspector to direct and perform the survey. In addition, a National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory was utilized for sample analysis.

ASBESTOS SURVEY SUMMARY:

Twenty - two (22) samples of suspect asbestos containing building materials were collected and submitted for analysis. Multi-layered samples resulted in a total of thirty - four (34) individual analyses performed. Materials sampled typically include, but are not limited to; wallboard, wallboard joint compound, various ceiling tiles and textures, floor tiles and mastics, sheet flooring, caulking, window glazing, thermal system insulation (TSI), HVAC mechanical mastics, and roofing materials.

Of the materials analyzed, the ceiling texture throughout the office area and flooring materials in the east offices were found to contain regulated concentrations (greater than 1%) of asbestos. Listed below is a summary of the sampling results in table form. For a complete listing of results in table format, please see Appendix A – Tables.

**Asbestos Containing Materials
Commercial Structure
560 Shull Road
Hartselle, Alabama**

Sample Locations	Material	Quantity
Entire Structure	Off-White / Beige Ceiling Texture	Approx. 2,500 Square Feet
Southeast Office & Closet; Northeast Office	Flooring Materials	Approx. 400 Square Feet

Attached to this report, you will find the following information:

- Appendix A:** Summary Tables of Results
- Appendix B:** Photographic Documentation
- Appendix C:** Site Drawings
- Appendix D:** Laboratory Documentation
- Appendix E:** Credentials

Terrell Technical Services, Inc. appreciates the opportunity to have provided you with these services. If you have any questions, please feel free to contact me at (256) 461-9278.

Sincerely,



Elliott Terrell, Project Manager
EPA / AHERA / State of Alabama
Accredited Asbestos Inspector

Reviewed by,



Charles Terrell, CIH, CHMM
President, Technical Director
EPA / AHERA Accredited Asbestos Project Designer
Certified Industrial Hygienist #5850
Certified Hazardous Materials Manager #6203



APPENDIX A

TABLES

TABLE A – SUMMARY OF ASBESTOS CONTAINING MATERIALS

TABLE B – SUMMARY OF SAMPLE RESULTS FOR SUSPECT ASBESTOS CONTAINING MATERIALS

**TABLE A: SUMMARY OF ASBESTOS CONTAINING MATERIALS
COMMERCIAL STRUCTURE
560 SHULL ROAD
HARTSELLE, ALABAMA
FEBRUARY 18, 2020**

Sample Number	Location	Description	Asbestos	Approximate Quantity	Physical Condition	Abatement / Removal Date
#6; #9	Entire Office Area	Off-White / Beige Ceiling Texture	2% Chrysotile	Approx. 2,500 Square Feet	Good	
#11; #13; #15; #16	Storage Closet; Northeast Office; Southeast Office	Cream/ Tan / Yellow / Brown Flooring Materials	2% - 55% Chrysotile	Approx. 400 Square Feet	Good	

**TABLE B: SUMMARY OF SAMPLE RESULTS FOR SUSPECT ASBESTOS CONTAINING MATERIALS
COMMERCIAL STRUCTURE
560 SHULL ROAD
HARTSELLE, ALABAMA
FEBRUARY 18, 2020**

Sample Number	Location	Description	Asbestos	Other Fibrous	Non-Fibrous
#1	Men's Restroom	White Joint Compound	None Detected	None Detected	100%
#2	Break Room	White Joint Compound	None Detected	None Detected	100%
#3	Break Room	White Joint Compound	None Detected	None Detected	100%
#4 Layer 1	Hall Ceiling	Off-White Drywall	None Detected	8% Cellulose	92%
#4 Layer 2		White Joint Compound	None Detected	None Detected	100%
#5 Layer 1	Break Room	Off-White / Brown Drywall	None Detected	15% Cellulose	85%
#5 Layer 2		White Joint Compound	None Detected	None Detected	100%
#6	Northeast Office Ceiling	Off-White Ceiling Texture	2% Chrysotile	None Detected	98%
#7	South Office Ceiling	White Ceiling Texture	None Detected	None Detected	100%
#8	Break Room Ceiling	White Ceiling Texture	None Detected	None Detected	100%
#9	Hall Ceiling	Beige Ceiling Texture	2% Chrysotile	None Detected	98%

**TABLE B: SUMMARY OF SAMPLE RESULTS FOR SUSPECT ASBESTOS CONTAINING MATERIALS
COMMERCIAL STRUCTURE
560 SHULL ROAD
HARTSELLE, ALABAMA
FEBRUARY 18, 2020**

Sample Number	Location	Description	Asbestos	Other Fibrous	Non-Fibrous
#10	Men's Restroom Ceiling	White Ceiling Texture	None Detected	None Detected	100%
#11 Layer 1	Storage Closet	Beige / White Linoleum	None Detected	15% Cellulose 5% Fibrous Glass	80%
#11 Layer 2		Yellow Flooring Mastic	None Detected	2% Cellulose	98%
#11 Layer 3		Tan / Gray Flooring	20% Chrysotile	None Detected	80%
#11 Layer 4		Cream Flooring Mastic	2% Chrysotile	None Detected	98%
#12 Layer 1	Office Hall	12x12 Brown Floor Tile	None Detected	None Detected	100%
#12 Layer 2		Yellow Flooring Mastic	None Detected	None Detected	100%
#13 Layer 1	Northeast Office	12x12 Green Floor Tile	None Detected	None Detected	100%
#13 Layer 2		Flooring Mastic (Could Not Analyze)	N/A	N/A	N/A
#13 Layer 3		Tan Fibrous Material	55% Chrysotile	None Detected	45%
#14 Layer 1	Southeast Office	12x12 Green Floor Tile	None Detected	None Detected	100%

**TABLE B: SUMMARY OF SAMPLE RESULTS FOR SUSPECT ASBESTOS CONTAINING MATERIALS
COMMERCIAL STRUCTURE
560 SHULL ROAD
HARTSELLE, ALABAMA
FEBRUARY 18, 2020**

Sample Number	Location	Description	Asbestos	Other Fibrous	Non-Fibrous
#14 Layer 2	Southeast Office	Flooring Mastic (Could Not Analyze)	N/A	N/A	N/A
#15 Layer 1	Northeast Office	12x12 White / Multi-Colored Floor Tile	None Detected	None Detected	100%
#15 Layer 2		Yellow / Brown Flooring Mastic	50% Chrysotile	None Detected	50%
#16 Layer 1	Southeast Office	12x12 White / Multi-Colored Floor Tile	None Detected	None Detected	100%
#16 Layer 2		Yellow / Brown Flooring Mastic	50% Chrysotile	None Detected	50%
#17 Layer 1	Break Room	12x12 Light Brown Floor Tile	None Detected	None Detected	100%
#17 Layer 2		Yellow Flooring Mastic	None Detected	None Detected	100%
#18	Warehouse	Black Expansion Compound	None Detected	7% Cellulose	93%
#19	North Warehouse Window	Gray Window Glazing	None Detected	None Detected	100%
#20	East Break Room Window	Gray Window Glazing	None Detected	None Detected	100%
#21	South Office Window	Gray Window Glazing	None Detected	None Detected	100%
#22	West Warehouse Window	Gray Window Glazing	None Detected	None Detected	100%

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

Photographic Documentation



South Face of Structure



East Face of Structure



North Face of Structure



West Face of Structure

Photographic Documentation



Entry Hall



Hall Ceiling Texture
Sample # 9



Office Hall

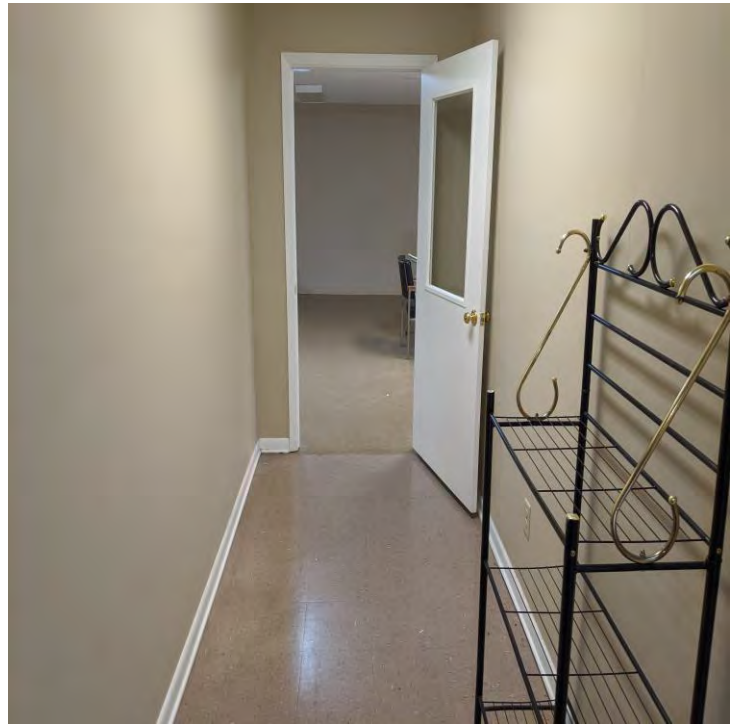


Northwest Office

Photographic Documentation



Office Men's Bathroom



Break Room Hall



Break Room / Copier Room



Warehouse West Area

Photographic Documentation



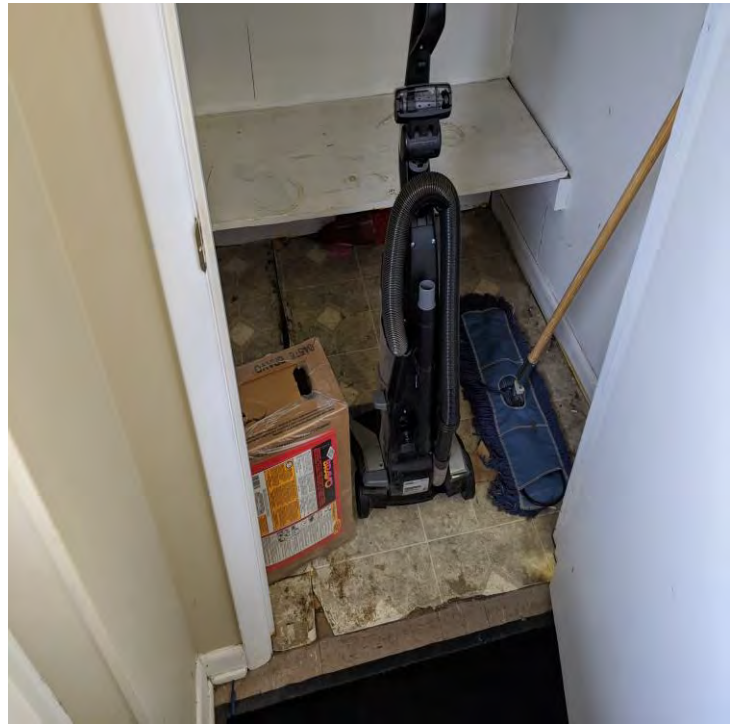
Warehouse South Area



Above Office Space



Above Office Space



Office Hall Storage Closet Vinyl Flooring
Sample # 11

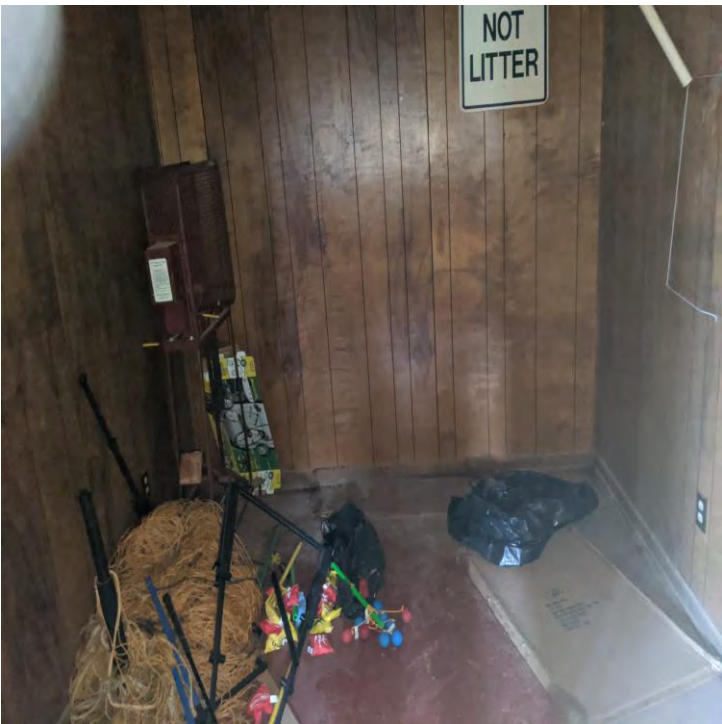
Photographic Documentation



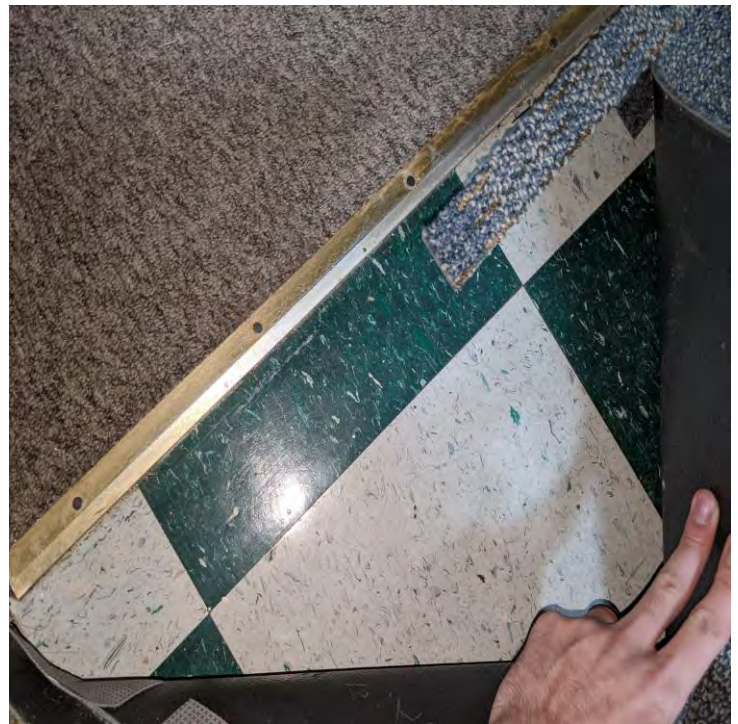
Warehouse Workbench Area



Warehouse Restroom



Warehouse Store Room

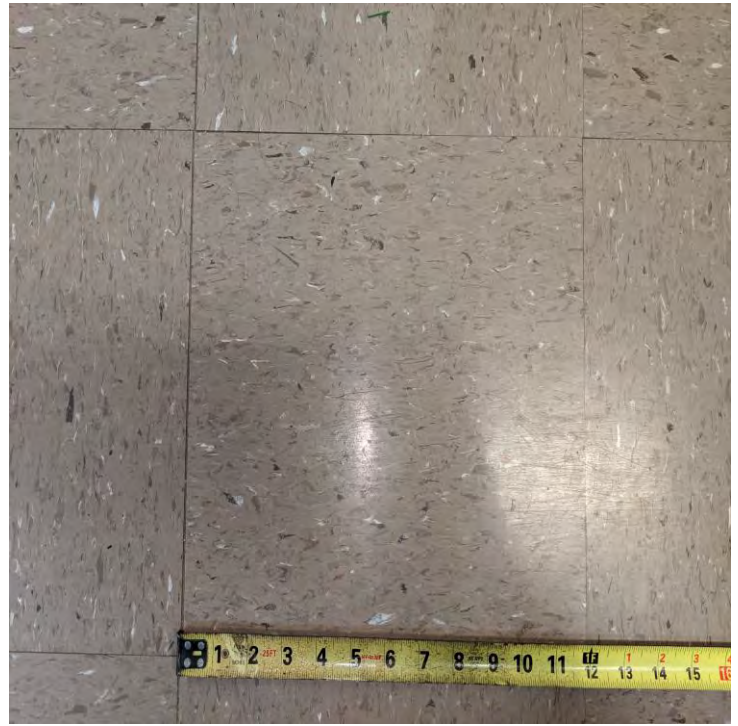


Southeast Office 12x12 Floor Tile Found Under Carpet Squares

Photographic Documentation



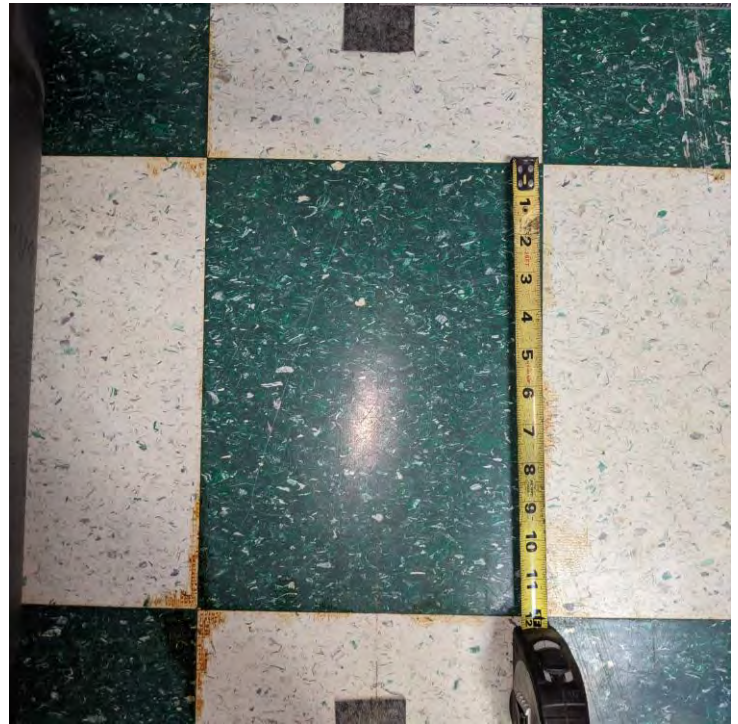
Break Room 12x12 Tan Floor Tile
Sample # 17



Hallway 12x12 Beige Floor Tile
Sample # 12



Northeast Office 12x12 White Floor Tile Found
Under Carpet Squares
Sample # 15



Northeast Office 12x12 Green Floor Tile Found
Under Carpet Squares
Sample # 13

Photographic Documentation



North Warehouse Window Glazing
Sample # 19



West Warehouse Window Glazing
Sample # 22

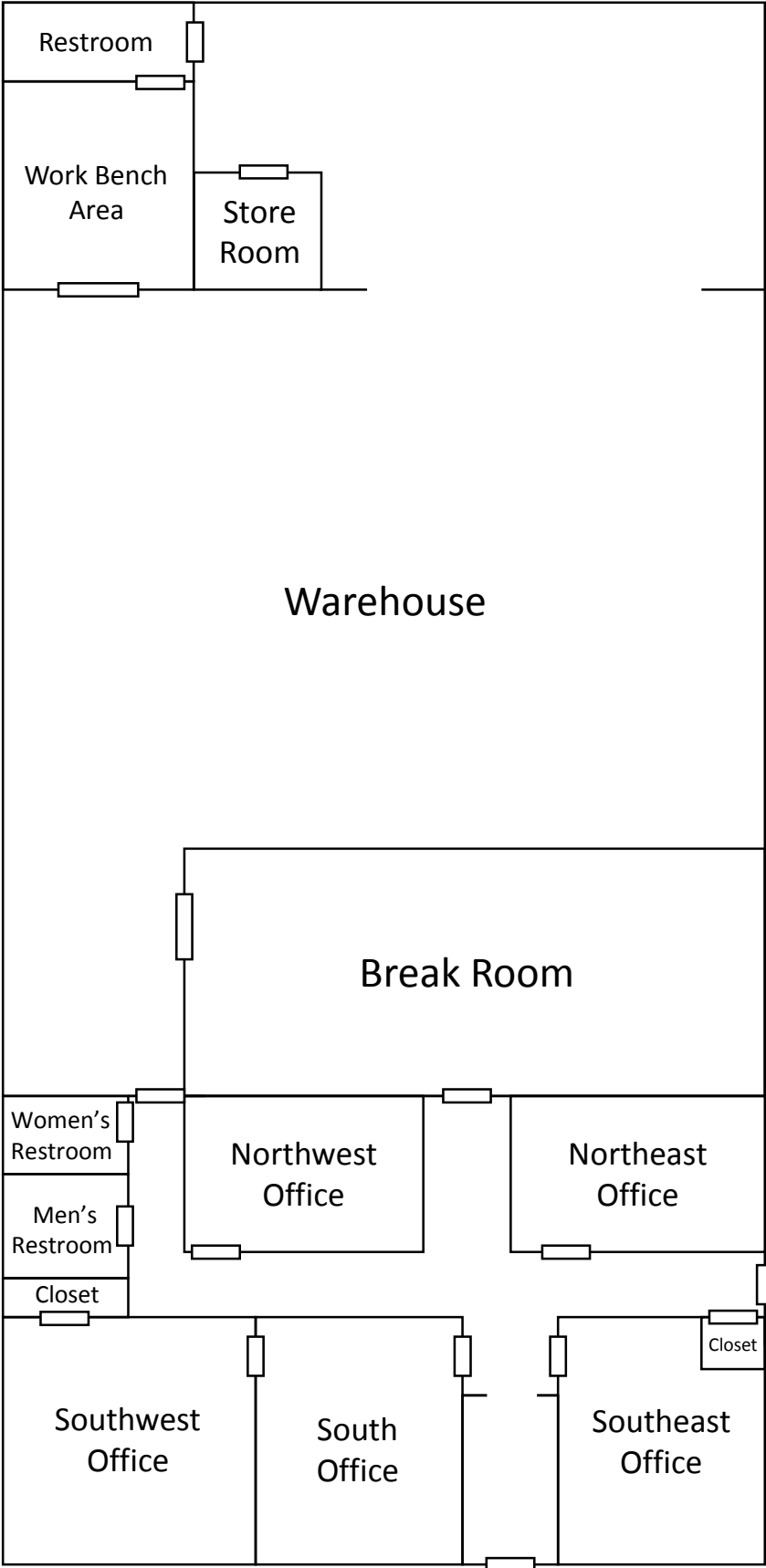


South Office Window Glazing
Sample # 21

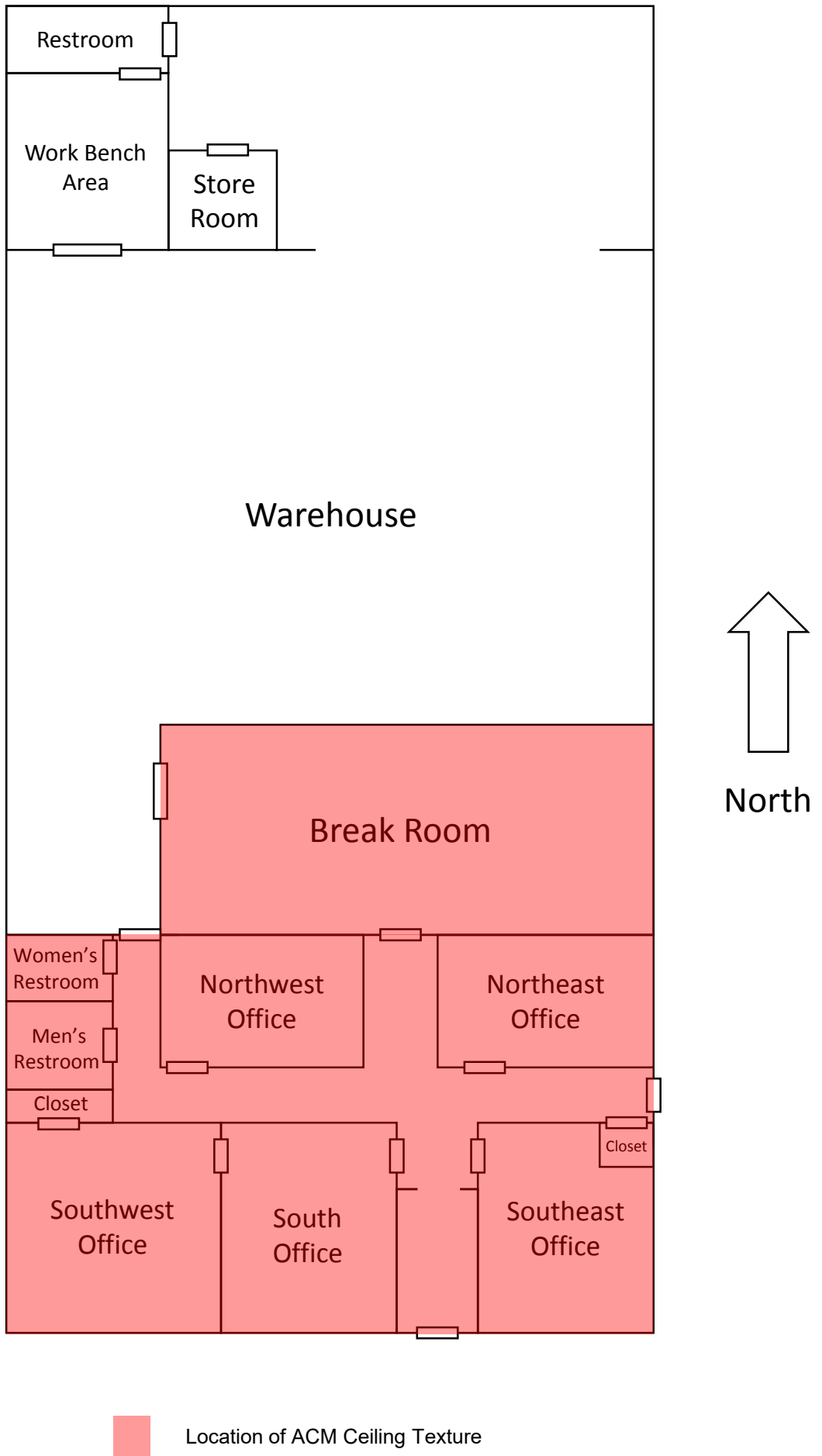
APPENDIX C

DRAWINGS

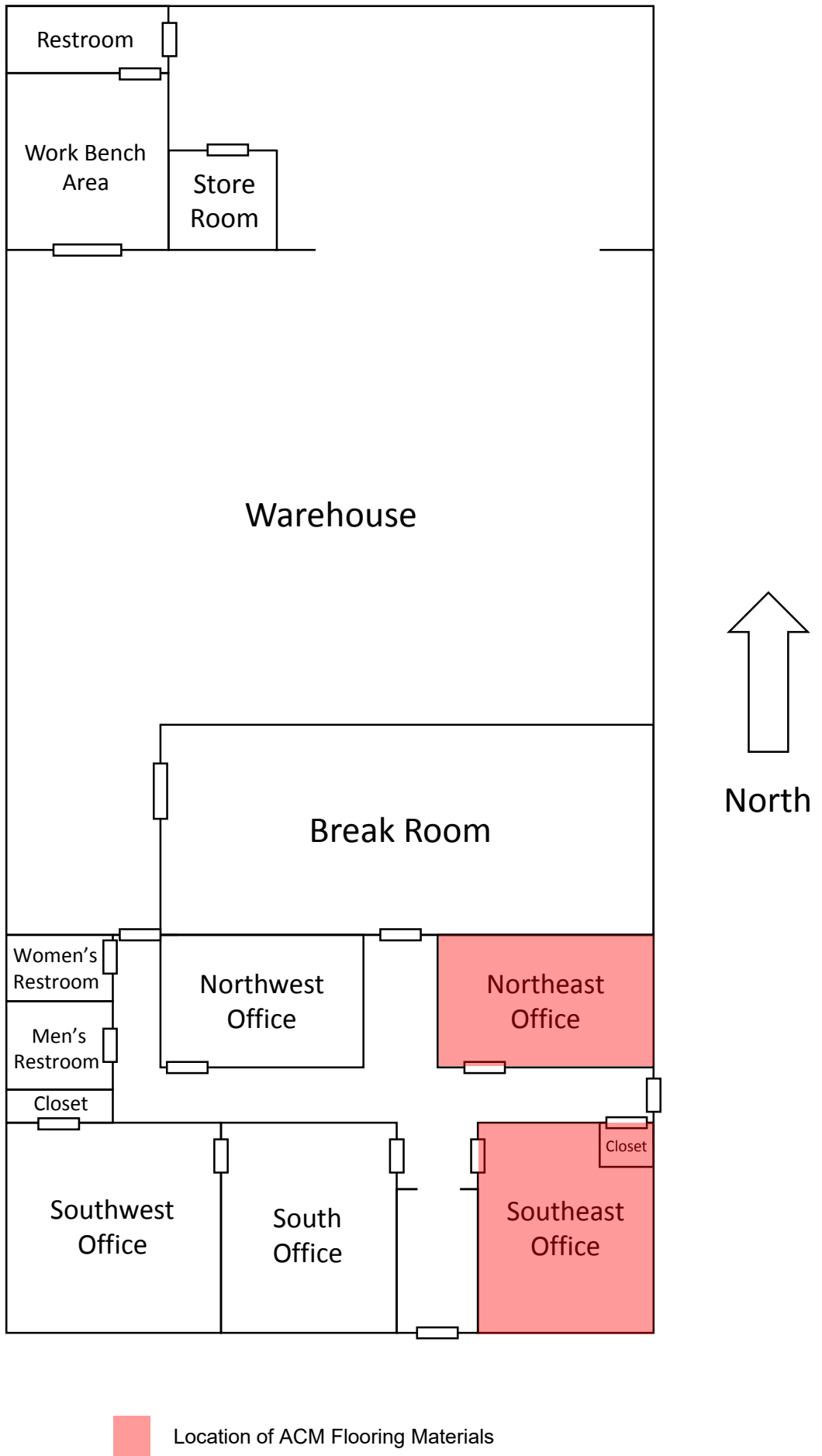
Site Drawing
Commercial Structure
560 Shull Road
Hartselle, Alabama



Locations of Asbestos Containing Ceiling Texture
Commercial Structure
560 Shull Road
Hartselle, Alabama



Locations of Asbestos Containing Flooring Materials
Commercial Structure
560 Shull Road
Hartselle, Alabama



APPENDIX D

LABORATORY DOCUMENTATION



Asbestos Bulk Analysis Report

Environmental Hazards Services, L.L.C.

7469 Whitepine Rd
Richmond, VA 23237

Telephone: 800.347.4010

Report Number: 20-02-02648

Client: Terrell Technical Services Inc.
P.O. Box 1116
Madison, AL 35758

Received Date: 02/19/2020
Analyzed Date: 02/19/2020
Reported Date: 02/20/2020

Project/Test Address: 2020-0218; Morgan Co. Engineering Dept.; 560 Shull Rd.; Hartselle,
AL 35640

Client Number:
201257

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-02-02648-001	1		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-002	2		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-003	3		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-004A	4	Drywall	Off-White Powdery; Homogeneous	NAD	8% Cellulose 92% Non-Fibrous
20-02-02648-004B	4	Joint Comp.	White Chalky; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201257
 Project/Test Address: 2020-0218; Morgan Co. Engineering
 Dept.; 560 Shull Rd.; Hartselle, AL 35640

Report Number: 20-02-02648

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-02-02648-005A	5	Drywall	Off-White Powdery; Brown Fibrous; Inhomogeneous	NAD	15% Cellulose 85% Non-Fibrous
20-02-02648-005B	5	Joint Comp.	White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-006	6		Off-White Chalky; Homogeneous Total Asbestos: 2%	2% Chrysotile	98% Non-Fibrous
20-02-02648-007	7		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-008	8		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-009	9		Beige Chalky; Homogeneous Total Asbestos: 2%	2% Chrysotile	98% Non-Fibrous
20-02-02648-010	10		White Chalky; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-011A	11	Linoleum	Beige Vinyl; White Fibrous; Inhomogeneous	NAD	15% Cellulose 5% Fibrous Glass 80% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201257
 Project/Test Address: 2020-0218; Morgan Co. Engineering
 Dept.; 560 Shull Rd.; Hartselle, AL 35640

Report Number: 20-02-02648

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-02-02648-011B	11	Mastic	Yellow Adhesive; Homogeneous	NAD	2% Cellulose 98% Non-Fibrous
20-02-02648-011C	11	Flooring	Tan/Gray Vinyl; Fibrous; Inhomogeneous	20% Chrysotile	80% Non-Fibrous
				Total Asbestos: 20%	
Chrysotile present in fibrous backing.					
20-02-02648-011D	11	Mastic	Cream Adhesive; Homogeneous	2% Chrysotile	98% Non-Fibrous
				Total Asbestos: 2%	
Possible contamination from fibrous backing.					
20-02-02648-012A	12	Tile	Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-012B	12	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-013A	13	Tile	Green Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-013B	13	Mastic		Did Not Analyze (Quantity Not Sufficient)	
20-02-02648-013C	13	Other *	Tan Fibrous; Homogeneous	55% Chrysotile	45% Non-Fibrous
				Total Asbestos: 55%	

*Fibrous Material

Environmental Hazards Services, L.L.C

Client Number: 201257
 Project/Test Address: 2020-0218; Morgan Co. Engineering
 Dept.; 560 Shull Rd.; Hartselle, AL 35640

Report Number: 20-02-02648

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-02-02648-014A	14	Tile	Green Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-014B	14	Mastic		Did Not Analyze (Quantity Not Sufficient)	
20-02-02648-015A	15	Tile	White/Multi-Colored Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-015B	15	Other *	Yellow Adhesive; Brown Fibrous; Inhomogeneous	50% Chrysotile	50% Non-Fibrous
				Total Asbestos: 50%	
Mastic/Fibrous Material. Unable to separate materials.					
20-02-02648-016A	16	Tile	White/Multi-Colored Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-016B	16	Other *	Yellow Adhesive; Brown Fibrous; Inhomogeneous	50% Chrysotile	50% Non-Fibrous
				Total Asbestos: 50%	
Mastic/Fibrous Material. Unable to separate materials.					
20-02-02648-017A	17	Tile	Light Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-017B	17	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201257
Project/Test Address: 2020-0218; Morgan Co. Engineering
Dept.; 560 Shull Rd.; Hartselle, AL 35640

Report Number: 20-02-02648

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
20-02-02648-018	18		Black Tar; Homogeneous	NAD	7% Cellulose 93% Non-Fibrous
20-02-02648-019	19		Gray Soft Granular; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-020	20		Gray Soft Granular; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-021	21		Gray Soft Granular; Homogeneous	NAD	100% Non-Fibrous
20-02-02648-022	22		Gray Soft Granular; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 201257
Project/Test Address: 2020-0218; Morgan Co. Engineering
Dept.; 560 Shull Rd.; Hartselle, AL 35640

Report Number: 20-02-02648

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 32-M22010-2
QC Blank: SRM 1866 Fiberglass
Reporting Limit: 1% Asbestos
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020
Analyst: Kay Harris



Reviewed By Authorized Signatory:

Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Pg. ____ of ____

Company Name	TTSI	Account #	
Company Address	26675 Success Drive SW	City/State/Zip	Madison, AL 35758
Phone	256-461-9278	Email	Miranda.molnar@terrelltsi.com
Project Name/Test Address	2020-0218 / Morgan Co. Engineering Dept. / 560 Shull Rd. Hartselle, AL 35640		
PO Number		Collected By	Jonathan Cervantes
Turn-Around Time	<input type="radio"/> 3 DAY <input type="radio"/> 2 DAY <input checked="" type="radio"/> 1 DAY <input type="radio"/> SAME DAY OR WEEKEND - Must Call Ahead		

PLM New York Protocol
 PLM New Jersey Protocol
 PLM South Carolina Protocol

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK						AIR			COMMENTS
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402	Time In Total Minutes	Flow Rate In L/Min	
1	Mem's Restroom Joint Compound			2/18/2020	X									
2	Break Room Joint Compound				X									
3	Break Room Joint Compound				X									
4	Hall Ceiling Wallboard				X									
5	Break Room Wallboard				X									
6	Northeast Office Ceiling Texture				X									
7	South Office Ceiling Texture				X									
8	Break Room Ceiling Texture				X									
9	Hall Ceiling Texture				X									
10	Men's Restroom Ceiling Texture				X									
11	Storage Closet Vinyl Flooring Layers				X									
12	Office Hall Beige 12x12 Floor Tile & Mastic				X									
13	Northeast Office Green 12x12 Floor Tile & Mastic				X									
14	Southeast Office Green 12x12 Floor Tile & Mastic				X									
15	Northeast Office White 12x12 Floor Tile & Mastic				X									

Released By:	Jonathan Cervantes	Date:	2/18/2020	Time:	17:00
Signature:					

LAB USE ONLY - BELOW THIS LINE

Received By: Erika Corbina

Signature:

Date: 2/19/2020 Time: 10:56 AM PM

Portal Contact Added

20-02-02648

Due Date:
02/20/2020
(Thursday)
AE

KH

zzplm

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

LAB NUMBER	Client Sample ID	Homogeneous Area	Positive Stop	Collection Date & Time	BULK				AIR				COMMENTS	
					PLM	Point Count 400	Point Count 1000	TEM Bulk	PCM	TEM AHERA	NIOSH 7402	Time In Total Minutes		Flow Rate In L/Min
16	Southeast Office White 12x12 Floor Tile & Mastic			2/18/2020	X									
17	Break Room 12x12 Tan Floor Tile & Mastic				X									
18	Warehouse Expansion Compound				X									
19	North Warehouse Window Glazing				X									
20	East Break Room Window Glazing				X									
21	South Office Window Glazing				X									
22	West Warehouse Window Glazing				X									
23														
24														
25														
26														
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41														
42														
43														
44	Rec'd: EC													
45	EL CL													

02/18/20

ON: 2-19-2020 @: 1056am

APPENDIX E

CREDENTIALS

Certificate of Completion

this certifies that

Jonathan Cervantes

608 Cherokee Lane NW, Hartselle, AL 35640

Has completed the required training for Asbestos Accreditation under TSCA Title II
by attending and satisfactorily passing an examination
covering the contents of a continuing education course entitled

Asbestos Hazard Emergency Response Act Asbestos Inspection and Assessment

Annual Refresher Training

TTSI – Madison, AL

Course & Examination: April 19, 2019

IR 7765

Certificate Number

April 19, 2020

Expiration Date



Instructor: Kiley Robinson



Environmental Training Company, LLC
P.O. Box 1848
Pelham, AL 35124
(205) 991-3820

*Committed to Quality Environmental Training
Established 1989*

Certificate of Completion

this certifies that

Elliott Terrell

26675 Success Drive SW, Madison, AL 35756

Has completed the required training for Asbestos Accreditation under TSCA Title II
by attending and satisfactorily passing an examination
covering the contents of a continuing education course entitled

Asbestos Hazard Emergency Response Act Asbestos Inspection and Assessment

Annual Refresher Training

TTSI – Madison, AL

Course & Examination: April 19, 2019

IR 1961

Certificate Number

April 19, 2020

Expiration Date



Instructor: Kiley Robinson



Environmental Training Company, LLC
P.O. Box 1848
Pelham, AL 35124
(205) 991-3820

*Committed to Quality Environmental Training
Established 1989*

THE UNIVERSITY OF ALABAMA®

UA SafeState

has examined the documentation of asbestos training and qualifications of the
person named below and confers this

Certificate of Accreditation

For the Asbestos Contractor Discipline

INSPECTOR/MANAGEMENT PLANNER

Elliott Terrell

Alabama Accreditation Number
APL0119658024

Certificate Expiration Date
January 22, 2020

This certificate has been issued pursuant to the authority granted to The University of Alabama SafeState Program by the Alabama Asbestos Contractor Accreditation Act, Alabama Act No. 89-517, May, 1989 and Alabama Act No. 97-626, May, 1997.



Executive Director



Associate Director for Environmental Programs



american board of industrial hygiene®

**organized to improve the practice of industrial hygiene
proclaims that**

Charles Warren Terrell

**having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the**

**COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE**

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number 5850 CP

Awarded: December 7, 1992

Expiration Date: June 1, 2024



Dick Yamamoto

Chair, ABIH

Allen H. Oliver

Chief Executive Officer, ABIH



THIS CERTIFIES THAT

CHARLES W. TERRELL

HAS SUCCESSFULLY MET ALL THE REQUIREMENTS OF EDUCATION, EXPERIENCE AND EXAMINATION, AND IS HEREBY DESIGNATED A

**CERTIFIED HAZARDOUS MATERIALS MANAGER
CHMM**



July 1, 1995

DATE OF CERTIFICATION

06203

CREDENTIAL NUMBER

July 31, 2023

CERTIFICATION EXPIRES

M. Patricia Buley

DIRECTOR OF CERTIFICATION AND ACCREDITATION

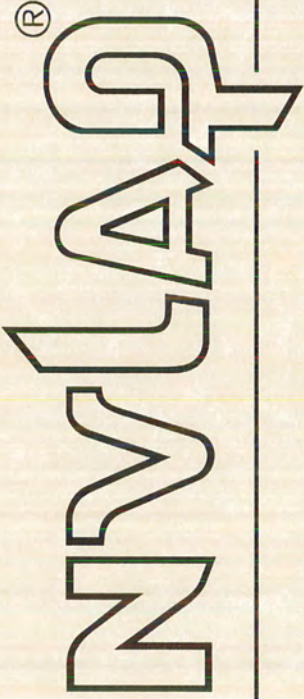
VALID SO LONG AS THIS CREDENTIAL IS RENEWED ACCORDING TO SCHEDULE AND IS NOT OTHERWISE REVOKED.



Accredited by the American National Standards Institute and the Council of Engineering and Scientific Specialty Boards



United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101882-0

Environmental Hazards Services, L.L.C.
N. Chesterfield, VA

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 17025:2005.
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).

2020-01-01 through 2020-12-31

Effective Dates

A handwritten signature in black ink, appearing to read "Peter S. Saman".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Environmental Hazards Services, L.L.C.

7469 Whitepine Road

N. Chesterfield, VA 23237-2261

Ms. Julie Dickerson

Phone: 804-275-4788 Fax: 804-275-4907

Email: jdickerson@leadlab.com

<http://www.leadlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101882-0

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

A handwritten signature in black ink, appearing to read "Julie Dickerson". The signature is written in a cursive style and is positioned above a horizontal line.

For the National Voluntary Laboratory Accreditation Program