

**COUNTY OF GREENVILLE
DEMOLITION OF STRUCTURES
IFB #38-12/1/16**



**Greenville
County**

**DEPARTMENT OF GENERAL SERVICES
PROCUREMENT SERVICES DIVISION
GREENVILLE COUNTY SQUARE
301 UNIVERSITY RIDGE, SUITE 100
GREENVILLE, SOUTH CAROLINA 29601**

www.greenvillecounty.org

Phone: 864-467-7200



GREENVILLE COUNTY COUNCIL
 PROCUREMENT SERVICES DIVISION
 GREENVILLE COUNTY SQUARE
 301 UNIVERSITY RIDGE, SUITE 100
 GREENVILLE, SOUTH CAROLINA 29601-3660

NOTICE

Date November 11, 2016

Sealed bids to furnish DEMOLITION OF STRUCTURES subject to the conditions and all provisions set forth herein and attached, will be received at this office until 3:00 P.M., E.S.T., December 1, 2016, then publicly opened. The commodities and/or services must be furnished as described and specified to Greenville County.

SHOW THIS NUMBER ON ENVELOPE

IFB No. #38-12/1/16

PROCUREMENT SERVICES DIVISION

By Nadine Chastee
Director

	COMMODITIES OR SERVICES	
	<p>GREENVILLE COUNTY IS REQUESTING SUBMISSION OF SEALED BIDS FROM VENDORS TO FURNISH DEMOLITION OF STRUCTURES.</p> <p>BIDS MUST BE SUBMITTED ON THE BID SHEET (PAGE 3) WITH THE TOTAL BEING LISTED AT THE BOTTOM. BID SHEET MUST BE SIGNED.</p> <p>PLEASE SUBMIT ONE (1) ORIGINAL AND THREE (3) COPIES OF YOUR BID.</p> <p>ASBESTOS REPORTS REQUIRED OF GREENVILLE COUNTY, GIS MAPS, AND PICTURES ARE INCLUDED AS ATTACHMENTS.</p> <p><u>QUESTIONS</u> CONCERNING THE IFB ARE TO BE SUBMITTED IN WRITING TO KATHERINE HAWTHORNE, BUYER, GREENVILLE COUNTY PROCUREMENT SERVICES DIVISION, SUITE 100, 301 UNIVERSITY RIDGE, GREENVILLE, SC 29601, BY FAX (864) 467-7304 OR EMAIL khawthorne@greenvillecounty.org NO LATER THAN 5:00 P.M., E.S.T. NOVEMBER 22, 2016.</p> <p>NOTE: PLEASE SIGN ON FOLLOWING PAGE AND BID SHEET (PAGE 3). AN ORIGINAL SIGNATURE IS REQUIRED. FAILURE TO DO SO WILL VOID YOUR PROPOSAL. ALL SIGNATURES MUST BE CLEARLY IDENTIFIABLE AS AN ORIGINAL. IF NOT, THE RESPONSE WILL BE DISQUALIFIED.</p> <p>PLEASE MARK YOUR ENVELOPE TO READ:</p> <p>IFB #38-12/1/16</p>	

INSTRUCTIONS TO RESPONDENTS
IFB #38-12/1/16 DEMOLITION OF STRUCTURES

1. Unless otherwise required, submit only one (1) original and three (3) copies of each RFI/RFQ/IFB/BIDs.
2. RFI/RFQ/IFB/BIDs, amendments thereto or withdrawal requests received after the time advertised for opening will be void regardless of when they were mailed.
3. Quote prices on units specified with packing included.
4. Attach complete specifications for and permitted substitutions offered, or when amplification is desirable or necessary.
5. If specifications or descriptive papers are submitted with RFI/RFQ/IFB/BIDs, enter respondents name thereon.
6. If the article bid upon has a trade name or brand, show same in the RFI/RFQ/IFB/BID.
7. When required, furnish samples, free of expense, prior to opening of RFI/RFQ/IFB/BIDs. Label each sample with respondents name and the item number. Should you wish samples returned, at your expense, when not destroyed in tests, make request for return within 10 days following bid/proposal opening.
8. Show delivery time required after order is received (see below).
9. Address and mark bids/proposals as indicated in the notice.

CONDITIONS

1. The County Agency or Institution submitting this notice reserves the right to reject any and all RFI/RFQ/IFB/BIDs, and to waive all technicalities.
2. Unit prices will govern over extended prices, unless otherwise stated in notice.
3. Time in connection with discount offered will be computed from date of delivery of commodities to carrier, when inspecting and acceptance is at point of origin; or date of delivery at destination; or if laboratory inspection is made part of bid, from date of laboratory report.
4. In case of default of contractor, Greenville County reserves the right to purchase any or all items in default on open market, charging contractor with any excessive costs.
5. All materials and products offered must be guaranteed to meet the requirements of the specifications indicated, given or referred to.
6. Prices bid must be based upon payment in thirty (30) days. Discounts for payment in less than thirty (30) days will not be considered in making award.
7. The right is reserved, in case of tie bids, to make award considered to be most advantageous to Greenville County.
8. The right is reserved to reject any RFI/RFQ/IFB/BID in which the delivery time indicated is considered sufficient to delay the operation for which the commodity is intended.
9. Unless otherwise indicated by County Agency or Institution submitting this notice, prices must be firm.

RFI/RFQ/IFB/BID

(DATE) _____

In compliance with invitation, and subject to all conditions, thereof, the undersigned offers and agrees, if this RFI/RFQ/IFB/BID is accepted within _____ days from date of opening, furnish any or all items quoted on at prices as set forth after the item and unless otherwise specified, within _____ days after receipt of order, delivered, all transportation costs included,

Discount will be allowed as follows: 30 calendar days _____ %.

FIRM NAME _____ ADDRESS _____

BY _____

(RFI/RFQ/IFB/BID MUST BE SIGNED IN WRITING)

PRINT NAME _____

TITLE _____ EMAIL: _____

PHONE _____ FAX _____



**GREENVILLE COUNTY
DEMOLITION OF STRUCTURES
IFB #38-12/1/16**

PRICING SHEET

<u>Line Item</u>	<u>Lump Sum Price</u>
Demolition, Removal and Site Clean-up of Property Referenced as TMS #0514050102300 Site Address: 122 Spring Park Rd., Marietta, SC 29661	\$ _____
Demolition, Removal and Site Clean-up of Property Referenced as TMS #0159000801000 Site Address: 203 Brooks Ave., Greenville, SC 29617	\$ _____
Demolition, Removal and Site Clean-up of Property Referenced as TMS #0583020103000 Site Address: 2524 Fork Shoals Rd., Piedmont, SC 29673	\$ _____
Demolition, Removal and Site Clean-up of Property Referenced as TMS #T029020100103 Site Address: 645 Tanner Rd., Taylors, SC 29687	\$ _____
	TAX \$ _____
	TOTAL PRICE \$ _____

**NOTE: AN ORIGINAL SIGNATURE IS REQUIRED. FAILURE TO DO SO WILL VOID YOUR PROPOSAL.
ALL SIGNATURES MUST BE CLEARLY IDENTIFIABLE AS AN ORIGINAL. IF NOT, THE RESPONSE WILL
BE DISQUALIFIED.**

Authorized Signature: _____

Print Name: _____

Name of Company: _____

Date: _____



**COUNTY OF GREENVILLE
DEMOLITION OF STRUCTURES
IFB # 38-12/1/16**

SCHEDULE

November 17, 2016	<u>A Pre-bid meeting will be held at 2:00 P.M., E.S.T., at Greenville County Procurement Services, 301 University Ridge, Suite 100, Greenville, SC 29601.</u>
November 22, 2016	All questions must be submitted in writing to Katherine Hawthorne, Procurement Services Division, 301 University Ridge, Suite 100, Greenville, SC 29601, by Fax (864) 467-7304, or by email to <u>khawthorne@greenvillecounty.org</u>, by 5:00 P.M., E.S.T.
December 1, 2016	Bids must be delivered to the Procurement Services Division, 301 University Ridge, Suite 100, Greenville, SC 29601 no later than <u>3:00 P.M. E.S.T.</u>
December 1 – 15, 2016	Review of bids
December 15, 2016	Tentative Date of Award
December 15, 2016 – January 4, 2017	Contract Negotiations
January 4, 2017	Issue Notice to Proceed



**Greenville
County**

**INVITATION FOR BIDS
DEMOLITION OF STRUCTURES
IFB # 38-12/1/16**

I. Introduction

The County of Greenville is seeking sealed bids from vendors for the demolition of structures and site cleanup at locations indicated in this solicitation.

II. Scope Of Work

- A. The vendor shall furnish all labor, insurance, supervision, any other incidental items and shall perform all work necessary as specified in the prescribed manner and time in accordance with this IFB.
- B. Demolish (raze/ tear down) all structure (s), to include removal of the structure(s), removal of all debris, weeds, rank vegetation, driveways, slabs, foundation walls, impervious surfaces, and fences.
- C. Sever and seal electrical, gas, water, sewer, and telephone utility mains per the Utility Companies Directives, also to fill open wells on property (ies) to South Carolina Department of Health and Environmental Control standards.
- D. Demolition of the structure shall be in accordance with all applicable regulations for the following properties:
- 122 Spring Park Road, Greenville, SC in Greenville County situated and further identified as Tax Parcel Number 0514050102300. Asbestos study not required. Only one structure.
 - 203 Brooks Avenue, Greenville, SC in Greenville County situated and further identified as Tax Parcel Number 0159000801000. Asbestos study not required. Only one structure.
 - 2524 Fork Shoals Road, Greenville, SC in Greenville County situated and further identified as Tax Parcel Number 0583020103000 as ordered by the Finding of Fact dated May 27, 2016. Asbestos survey attached (Attachment A).
 - 645 Tanner Road, Taylors, SC in Greenville County situated and further identified as Tax Parcel Number T029020100103 as ordered by the Finding of Fact dated May 27, 2016. Asbestos survey attached (Attachment B).

- E. GIS Maps and photographs (Attachment C) are attached for each property.
- F. Construction of any temporary passageways meeting the requirements of these specifications may be required.
- G. Greenville County reserves the right to remove any site(s) from this list as deemed necessary by Greenville County.

III. Method of Demolition

Any standard method of demolition currently in use except burning or blasting shall be acceptable.

IV. Excavation

- A. Protection of adjacent buildings and existing structures. Excavations shall not be carried below existing foundations until underpinning and shoring to be performed by Contractor have been completed. All existing structures, pipes, and foundations, which are to remain, shall be adequately protected or replaced by the contractor without cost to the Owner.
- B. Waste. Excess material from excavation not suitable or required for backfill or filling shall be removed from the site and properly disposed of in an approved landfill.
- C. Disposal of materials. Salvaged materials from the structure may be stored on the site temporarily but not beyond the date specified for completion of the Contract. All other materials shall be promptly removed as demolition progresses.

V. Existing Utilities

- A. Existing utilities such as gas, water, and sewer lines shall be properly disconnected and / or capped by a method approved by the Utility Companies Directives. Sewer services shall be disconnected as close as feasible to the road right-of-way or property line and sealed with concrete or other means acceptable to local sewer authority. The Contractor will arrange for termination of service to the above structures and disconnection of any electrical wiring. Any expense or damage to utilities shall be the responsibility of the Contractor. Abandoned wells shall be closed in accordance with SC DHEC regulations.
- B. The contractor shall schedule a progress inspection at the time of the disconnection and termination of the utilities in order that the County representative can perform an inspection prior to the close of the project.
- C. The Contractor shall schedule an inspection with the appropriate utility provider and obtain a release in writing that the termination of utilities are acceptable to the utility provider.

- D. All properties may contain an underground fuel oil tank located on the property. Remove tank and contents in accordance with SC DHEC standards and obtain any applicable permits.

VI. Grading

Any exposed earth uncovered by demolition will be graded smooth. Demolition sites are to be leveled. In the event low areas remain which will cause water to stand, the contractor shall be responsible for filling or grading to eliminate. Contractor is also responsible for maintaining minimum slopes to prevent erosion. Compliance with the Greenville County Erosion and Sediment Control Ordinance is required.

VII. Backfilling around Foundations

All timber shall be removed and all trash shall be cleared out from the excavation. Backfill shall be excavated material. Backfill shall be placed in 8-inch layers and compacted by mechanical tamping. Surface of backfill shall be left 6 inches above final grade to allow for settlement. All basement areas are to be cleaned out and filled to the adjacent grade with suitable fill material and compacted to 95% compaction.

VIII. Clean-Up

- A. All trash and debris shall be removed. All excavated areas shall be raked clean by hand or by means of landscaping equipment.
- B. The entire lot shall be back dragged, leveled with rollover, pulverize type landscaping equipment and seeded with the following grass seed.

Tall fescue - (*Festuca arundinacea*) is perhaps the most popular grass in the mountains and upper piedmont areas of South Carolina. Its popularity relates to its ease of establishment through seeding and its green color during the winter months when warm-season turfgrasses are dormant and brown.

Tall fescue **PLANTING RATES:** Lawn Meadow / Covered field rates: 7 lbs. per 1,000 sq. ft.

Annual Rye grass over-seeding and quick establishment.

Lawn Meadow / Covered field rates: 7 lbs. per 1,000 sq. ft.

- C. After completion of seeding, stabilize with clean straw at a rate to completely cover any disturbed and/ or seeded areas.

IX. Permits

- A. **The Contractor shall secure and pay for all required permits/licenses necessary for the completion/execution of the work. A Building Demolition permit will be issued at no charge.**

B. The Contractor shall perform all work in conformance with applicable local codes and DHEC requirements whether or not covered herein by the specifications for the work.

X. Safeguards during Demolition

A. General. The temporary use of streets or public property for the storage or handling of materials of equipment required for demolition and the protection provided to the public shall comply with the provisions of this section. The Contractor shall be responsible for the safety of all individuals and those performing work under this Contract and for any damages to the Owner(s) property that may occur as the result of negligent acts by him or his workers, and shall indemnify and Hold Harmless the Owner and Greenville County through insurance as stipulated in the Contract documents.

B. Allowable Use of Public Property During Construction. The amount of space and conditions under which public property may be used for demolition purposes shall be as set forth below:

1. One-third (1/3) of the width of street that is adjacent to the curb in front of the building being demolished and for which a permit has been issued, provided that not less than 16 ft. of usable street width remains.
2. Street or sidewalk space may be used in accordance with the following provisions:
 - a. That a walkway be constructed in the outer portion of the permissible occupied street space, conforming to these requirements.
 - b. That building material, fence, shed or any obstruction of any kind shall not be placed so as to obstruct free approach to any fire hydrant, lamp post, manhole, fire alarm box, or catch basin, or so as to interfere with the passage of water in the gutter. Protection against damage shall be provided to such utility fixtures during the progress of the work, but site of them shall not be obstructed.
 - c. That a ten (10) foot clear roadway be maintained through any alley located behind the building.
 - d. That proper precaution shall be made during construction to prevent concrete, mortar washing or any other material from entering a sewer.
 - e. The person or persons to whom a permit is issued for such purposes as stated herein shall post with the applicable governing authority a bond of such type and amount as deemed advisable by the applicable governing authority as protection from any and all liability.

C. Covered Walkways are Required when Structure Height Exceeds One Story. A roof covering for the entire length of the project shall be provided over the temporary or permanent sidewalk, from the time the demolition extends above the second floor level

until materials are no longer being used or handled on the front above such walk. Exemption from this policy may be issued by Codes Enforcement.

- D. Construction of Walkways, Fences, and Protective Coverings. Before any demolition work is commenced the Contractor shall construct a temporary walkway in conformity with this section. Where pedestrian traffic does not warrant the walkway or where otherwise not required by Code Enforcement, exemption from this policy may be issued by Codes Enforcement.
1. All fences, barriers, or temporary structures of any kind located on public highways, shall be so constructed as not to obstruct vision at the intersection of streets.
 2. Walkways shall be not less than four (4) feet wide in the clear. Walks shall be built in a safe and substantial manner and be maintained in that condition at all times. A smooth handrail of substantial construction not less than three (3) feet high, shall be provided on the traffic or street side of the walkway.
 3. A fence of substantial solid construction at least eight (8) feet high shall be provided on the building side of the walkway.
 4. Roof coverings over walkways, as required by above shall be constructed of not less than one layer of two in nominal dimension wood plank spanning not over three (3) feet between supports, or equivalent decking. The framework supporting the walkway covering shall be well braced and designed to support at least one-hundred fifty (150) pounds per square foot but the top deck shall be designed to carry not less than two-hundred fifty (250) pounds per square foot. The roof covering shall be of width sufficient to cover the entire walkway or sidewalk, and shall be made watertight. Suitable provision shall be made for adequate lighting of the walk under the covering, at all times. A minimum clearance of eight (8) feet six (6) inches shall be maintained above walkways.
 5. Walkway shall be an entirely free-standing structure with no braces or supports extending outward, toward or onto the structure being demolished.
 6. Contractor shall not remove Covered Walkway until obtaining written clearance from Codes Enforcement.
- E. Walkways to be kept in repair. The street side of any barricade or fence, handrails and sidewalks shall be kept reasonably smooth and in good repair while construction work is in progress, or while such barricades, fences or walkways are placed on or over public property.
- F. Cleaning of Sidewalks and Streets. The Contractor, upon the completion of the building, shall immediately remove all walkways, debris and all other obstructions and leave such public property in as good a condition as it was before such work was commenced.
- G. Warning Light. Every walkway shall be kept well lighted continuously between sunset and sunrise and the outer edge of the occupied space of the street or sidewalk shall have

placed thereon portable barricade signs with flashing amber lights which shall burn continuously between sunset and sunrise.

- H. Protection of Roofs and Skylights of Adjoining Buildings. Protection for the skylights and roof of such adjoining buildings shall be provided, at Contractors expense, provided that the owner, lessee or tenant of the adjoining building should refuse permission to have the roofs and skylights protected, the responsibility and expense for the necessary protection shall devolve on the person refusing such permission.

XI. Job Site Safety

All work performed at the work site shall be in accordance with OSHA requirements and the General Safety Policy of Greenville County. (for additional information regarding the Safety Policy of Greenville County, contact the Risk Manager located in the Human Resources Department, 864-467-7150)

XII. Scheduling, Notification and Basis of Award

- A. No late bids will be accepted for any reason.
- B. Low bidder on each site will be notified by the Greenville County Procurement Services Department following the bid opening.
- C. Contractor shall commence demolition within twenty (20) working days from the date of the Notice to Proceed and all work shall be completed within ninety (90) days from the Notice to Proceed.
- D. Failure to comply with the above will result in the contract being revoked and another contract will be awarded to the next lowest bidder.

XIII. Basis of Payment

- A. All work performed under the terms of this contract shall be paid for on a lump sum basis as indicated on the Bid Forms. Lump sum payments shall be made upon satisfactory completion of all work determined by the County. Said payment shall be full compensation for furnishing all materials and doing all the work herein prescribed in a workman like and acceptable manner; including all labor, tools, equipment, supplies, and incidentals necessary to complete the work. No additional payment will be allowed for work under adverse weather conditions or subsurface and/or latent conditions at the site. The contractor is expected to fully acquaint himself with all specifications and conditions relative to the project prior to entering into the Contract.
- B. "NOTICE TO BIDDERS: All taxes on any item, that Greenville County may be required to pay, must be shown separately, not included in the bid price."

XIV. Pre-bid Meeting

A pre-bid meeting will be held at 2:00 P.M., E.S.T, November 17, 2016 at Greenville County Procurement Services, 301 University Ridge, Suite 100, Greenville, SC 29601.

XV. Pricing

Pricing shall be listed on the bid sheet (Page 3). Pricing shall be listed per site and total price by line item. A grand total shall be listed at the bottom. Greenville County reserves the right to award contract to one vendor or multiple vendors. Greenville County reserves the right to remove any site(s) from this list as deemed necessary by Greenville County.

XVI. Bonding

See Terms and Conditions (page 18) for Bid Bonds and Performance/Payment Bonds required for the project.

XVII. Asbestos reports/GIS maps

Asbestos reports (Attachments A and B) and GIS maps with Property photographs (Attachment C) are included. These attachments are provided as information. Vendors are expected to be fully familiar with properties prior to submitting a response or signing a contract.

XVIII. Submission Procedures, Requirements

A. Submittals

All submissions must be received by **3:00 P.M., E.S.T., December 1, 2016** and delivered to Greenville County Procurement Services Division, 301 University Ridge, Suite 100, Greenville, South Carolina 29601. If the submission is late the bid will be rejected. There will be no exceptions. Responders submitting bids shall be responsible for all cost of preparing such bids. Submissions shall be no more than 25 pages.

Responders to this Invitation for Bids shall closely examine the specific requirements noted herein and the attached Terms and Conditions and submit one (1) original and three (3) bound copies of their bid to the address listed below. To ensure acceptance of the bid, the Invitation for Bids number (IFB #38-12/1/16) should be clearly shown on the lower left corner of the return envelope. Facsimile transmittals or offers communicated by telephone will not be accepted or considered.

**County of Greenville
Department of General Services
Procurement Services Division, Attn: Procurement Director
301 University Ridge, Suite 100
Greenville, South Carolina 29601-3665
IFB # 38-12/1/16**

B. License and Permits

The contractor shall obtain all applicable licenses, and promptly pay all taxes required by the State of South Carolina, and/or Greenville County.

XIX. Statement of Qualifications

Vendors shall provide the following with their response:

1. Overview of company background.
2. Vendor contact information with names, addresses, and telephone numbers.
3. List of at least three (3) references including names, addresses, and telephone numbers. Vendor should include any South Carolina governmental entity reference.
4. List of previous projects of similar size and scope.

XX. Inquiries and Addenda

A. Questions

All questions concerning this IFB are to be submitted in writing via fax, electronic mail, or regular mail to Katherine Hawthorne, Buyer, Procurement Services Division, to the address listed below, no later than **5:00 P.M., E.S.T., November 22, 2016**. Please refer all questions in writing about this Invitation for Bids and project to:

**County of Greenville
Katherine Hawthorne, Buyer
Procurement Services Division
301 University Ridge, Suite 100
Greenville, South Carolina 29601-3665
Phone: (864) 467-7203
Fax:(864) 467-7304
E-mail: khawthorne@greenvillecounty.org**

All inquiries and responses will be distributed to all vendors known to have received the IFB document. The County will not be responsible for or bound by any oral instructions made by any employee(s) of the County in regard to this IFB.

B. Addenda

This IFB represents the most definite statement Greenville County will make concerning information upon which bids are to be based. Any changes to this IFB will be in the form of a written addendum, which will be furnished to all known vendors who are listed with the County as having received an IFB document and will be placed on the County's website at www.greenvillecounty.org. No addenda will be issued later than five (5) working days prior to the date for receipt for bids except an addendum which, if necessary, postpones the date for receipt of bids or cancels this IFB. Vendors shall acknowledge receipt of all addenda with their bid.

XXI. General Information

A. Proprietary Information

The County of Greenville is a public body and governed by the South Carolina Freedom of Information Act. Documents submitted to the County relating to this Invitations for bid are subject to requirements of the Freedom of Information Act and may be deemed public records.

B. Errors and Omissions

The Responder will not be allowed to take advantage of any errors or omissions in the Invitation for Bids. Where errors or omissions appear in the IFB, the Responder shall promptly notify the County of Greenville in writing of such error or omission it discovers. Any significant error, omission and/or inconsistency in the specifications are to be reported as soon as possible but no later than five (5) days before such time the response is to be submitted.

C. Withdrawal of Bid

An official representative of a Responder may withdraw a Responder's response at any time prior to the bid submission deadline. Acceptable proof establishing that he/she is the representative of the Responder must be provided.

D. Non-Endorsement

If the County awards contract, the successful Responder shall not issue any news release or other statement relating to the award or servicing of the agreement which state or imply the County of Greenville's endorsement of the successful Responder's services.

XXII. Insurance

The contractor is responsible for and must have all required insurance listed below and shall not commence work under the associated contract until it has obtained all insurance required, and the County has approved such insurance in writing, nor shall the Contractor allow any subcontractor to commence work on its subcontract until all similar insurance required of the subcontractor has been obtained. All insurance policies shall be maintained for the life of the contract.

- A. **THE COUNTY SHALL BE NAMED AS "ADDITIONAL INSURED" FOR ITS INTEREST** on all policies of insurance except Worker's Compensation, Automobile Liability, and Professional Errors and Omissions, as regards ongoing operations, products and completed operations, and this shall be noted on the face of the Certificate of Insurance. As a part of the certificate of insurance requirement the contractor shall also include acknowledgement and acceptance of the wavier of subrogation provision granted to the County of Greenville. This acknowledgement and acceptance should be included in the same section of the Certificate of Insurance that evidences the "Additional Insured" provision.

- B. Certificates for all such policies of insurance shall be provided by the **Contractor's** insurance agent or broker to the **County** within 10 working days from the date of Notice of Award.
- C. All Certificates of Insurance submitted shall provide on the face of the certificate reference to **County's** IFB # 38-12/1/16.
- D. **Contractor** will provide **County** a minimum of 30 days advance notice in the event the insurance policies (or an insurance policy) are canceled. Subcontractors approved to perform work on this project are subject to all of the requirements in this Section.
- E. Contractor agrees to maintain and keep in force during the life of this Agreement, with a company or companies authorized to do business in South Carolina, the following insurance policies:

Comprehensive General Liability:

\$1,000,000 per occurrence - combined single limit / \$2,000,000 general aggregate, to include products and completed operations.

Automobile Liability:

\$1,000,000 per occurrence - combined single limit (Coverage shall include bodily injury and property damage and cover all vehicles including owned, non-owned and hired)

Statutory Worker's Compensation:

Coverage A - State of SC

Coverage B - Employers liability

\$1,000,000 Each Accident

\$1,000,000 Disease, Per Employee

\$1,000,000 Disease, Policy Limit

Policies shall contain a waiver of subrogation in favor of and/or that applies to the County of Greenville, its departments, agencies, boards, employees, and commissions for losses from work performed by or on behalf of the contractor.

Pollution Insurance

\$1,000,000 per occurrence

No deviation from this coverage's will be accepted unless, in the County's sole discretion, it is more advantageous to the County, i.e., \$1,000,000 - a \$2,000,000 or \$5,000,000 limit would be acceptable.

XXIII. Evaluation Criteria

All bids submitted and accepted in accordance with this IFB will be evaluated based on the following criteria. This list is in no particular order.

- Responsiveness to this IFB.
- Cost.
- References.
- Previous experience on projects of similar scope and size.

XXIV. Illegal Immigration Reform Act Compliance

By submitting an offer, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws (originally enacted as Section 3 of The South Carolina Illegal Immigration Reform Act , 2008 S.C. Act No. 280) and agrees to provide upon request any documentation required to establish either: (a) the applicability of Title 8, Chapter 14 to Contractor and any subcontractors or sub-subcontractors; or (b) the compliance with Title 8, Chapter 14 by Contractor and any subcontractor or sub-subcontractor. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." Contractor agrees to include in any contracts with its subcontractors language requiring the subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in any contracts with the sub-subcontractors language requiring the sub- subcontractor to comply with the applicable requirements of Title 8, Chapter 14. In the event any contractor, subcontractor and/or sub-subcontractor is found not to be in compliance with the SC Immigration Reform Act [hereinafter "The Act"], the contractor agrees to fully indemnify the County for any loss suffered by the County as a result of such contractor, subcontractor or sub-subcontractor's failure to comply with the Act.

XXV. Safety, Health, and Security

Contractor shall be solely responsible for its activities, that of its employees on the site and activities of its consultants, contractors and/or subcontractors for maintaining a safe job site. Contractor's activities and activities of its consultants, contractors and/or subcontractors shall comply with all local, state, and federal safety regulations and their enforcement agencies. Contractor shall at all times conduct its operations under this Contract in a manner to avoid risk of endangerment to the health and safety of persons and property. The Contractor shall have sole responsibility for implementing its safety and health programs, taking all safety and health precautions necessary and continuously inspecting all equipment, materials and work to prevent, discover, determine and correct any conditions which might result in personal injury, equipment damage or damage to property or the public. Contractor's safety, health and security programs shall be in compliance with all regulatory requirements and shall furnish accident, incident, injury, and other records and reports required by the Occupational Safety

and Health Administration, State and Local laws, or by the County.

XXVI. Sample Contract

A sample Contract is attached for review.



**COUNTY OF GREENVILLE
DEMOLITION OF STRUCTURES
IFB # 38-12/1/16**

INSTRUCTIONS/TERMS AND CONDITIONS:

1. IFB Opening and Award: Bids will be examined promptly after opening and each bid will be announced to all participants. However, no decision will be made until Procurement and the user Division have had ample time to review each bid. However, award will be made at the earliest possible date. The County reserves the right to award in whole or in part, by item, group of items, geographic area or by section where such action serves the County's best interest. The contract will be awarded to the bid that meets the requirements and criteria set forth in the Invitation for Bids. No bid may be withdrawn for a period of sixty (60) days after bid opening date. Bids, whether mailed or hand delivered, must be received and time/date stamped in the Procurement Services Office by the closing time and date indicated on the bid. Bids received after the bid closing time/date will not be accepted. By submission of a bid, you are guaranteeing that all goods and services meet the requirement of the solicitation during the contract period.
2. Rights Reserved by Greenville County: Greenville County reserves the right to reject any and all bids, any portion thereof, and waive any technicalities. Accordingly, the right is reserved to make awards in the best interest of the County. Integrity, reputation, experience and past performance will be heavily weighted in bid evaluation. This solicitation does not commit the County of Greenville to award a contract, to pay any costs incurred in the preparation of the BID, or to procure or contract for goods or services listed herein.
3. Responders Qualification: Responders must, upon request of the County, furnish satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. The County reserves the right to make the final determination as to the responder's ability to provide the products or services requested herein.
4. Responders Responsibility: Each responder shall be fully acquainted with the conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to be acquainted with existing conditions shall in no way relieve the bidder of any obligations with respect to this bid or to any contract as a result of this bid.
5. References: The County requires responders to list at least three (3) references, names, addresses and telephone numbers of contact persons for companies with whom the bidder has performed or provided similar work, service or product.
6. Waiver: The County reserves the right to waive any Instructions to Responders, General or Special Terms and Conditions, specifications, or technicalities when it is deemed to be in the best interest of the County to do so.

7. Rejection: Greenville County reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to pricing of like bids; or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the County.
8. Bid form: Each bidder must submit a bid on the form provided. The bidder shall sign his bid correctly or the bid may be rejected. If the bid shows any omissions, alteration of form, unauthorized additions, a conditional bid or any irregularities of any kind, bid may be rejected. Bid may not be accepted on any other form than the bid form provided.
9. Questions: Questions shall be submitted in writing to Katherine Hawthorne, Procurement Services Division, 301 University Ridge, Suite 100, Greenville SC, 29601, or Fax to (864) 467-7304 or by E-Mail to khawthorne@greenvillecounty.org by **5:00 P.M. E.S.T., November 22, 2016**.
10. Bid Bond: Bidders shall submit with their bid a bid bond in the amount of 5% of the bid price. This bond may be in the form of Certified Check, Cashier's or Bank Money Order of any national or state bank and shall be made payable to Greenville County. Bids submitted without being accompanied by any of the foregoing as required, shall be considered informal and will be rejected. Any bid accompanied by a bid bond not properly executed in the opinion of the County Attorney, may be rejected. The bond will be forfeited to the County by the successful bidder as liquidated damages in case a bid award is made to that bidder and the contract and bond are not promptly and properly executed.
11. Return of Bid Bond: When bids are awarded, the Procurement Services Division will return immediately all checks, except that of the successful bidder. The check of the successful bidder will be returned upon compliance with the performance and payment bond requirements.
12. Performance and Payment Bond: The successful bidder, within fifteen (15) working days after acceptance of the bidder's offer by the County, shall furnish a satisfactory performance and payment bond in the amount of the total bid price. The performance and payment bond must be received by the county prior to issuance of an executed contract and Notice to Proceed. The fifteen (15) working days may be extended upon written approval by the Purchasing Manager. A copy of the written approval shall be transmitted to the successful bidder stating the terms of any extension. In the event that the bidder fails to deliver to the County Purchasing and Contracts Division the performance and payment bond in said period of fifteen (15) working days after acceptance of the bidder's offer by the County, then the bid bond of the bidder shall be retained by the County in its entirety and the award will be withdrawn from the bidder. The Bond must have approval by the County Attorney's Office before it is made effective. The successful bidder shall have as surety a corporate surety authorized to act as surety in South Carolina. The Performance and Payment Bond will insure that the successful bidder will promptly make payments to all persons supplying labor or materials to the bidder; and shall guarantee to indemnify and save the County, its officers, divisions, and employees harmless from all costs, damages, and expenses growing out of or by reason of the successful bidder's failure to comply and perform the work and complete the contract in accordance with the specifications in the matter of making, furnishing and/or delivering said work or supplies. The Performance and Payment Bond will be in effect for one year after completion of the contract.

13. Availability of Bonding Agency: In addition, the bonding company must have an agent available to meet with County officials to clarify and explain the County's responsibility in maintaining the integrity of the bond.
14. Specification Changes, Additions and Deletions: All changes in specifications shall be in writing in the form of an addendum and furnished to all responders. The County of Greenville shall not be responsible for any verbal information given by any employees of the County of Greenville in regard to this bid.
15. Number of bid Copies: Please submit One (1) Scan-Ready Original and Three (3) Bound Copies of your bid.
16. Bid Changes: Bids, amendments thereto or withdrawal requests received after the advertised time for bid opening, shall be void regardless of when they were mailed.
17. Bid Price: The bid price presented as a result of these specifications shall be for the contract period. The bid shall be acceptable for sixty (60) days from the date of opening. All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluids may be cause for rejection. No bid shall be altered or amended after specified time for opening.
18. Federal, State and Local Laws: The contractor assumes full responsibility and liability for compliance with any and all local, state and federal laws and regulations applicable to the contractor and his employees including, but not limited to, compliance with the EEO guidelines, the Occupational Safety and Health Act of 1970, and minimum wage guidelines.
19. Tie Bids: In the case of tie bids, the County reserves the right to make the award based on the factors outlined in Section 3-202 of the Procurement Ordinance, or in what it considers to be in the best interest of the County.
20. Deduction and Holdbacks: In addition to the County's right of termination, the County shall be entitled to full reimbursement for any costs incurred by the County by reason of the contractor's failure to perform or to satisfactorily perform its responsibilities and duties. Such costs may include, but are not limited to, the cost of using the County's employees or employees of any other entity to perform the obligations of the contract. The County may obtain any such reimbursement by deduction from payments otherwise due to the contractor or by any other proper and lawful means. All deductions from any money due the contractor are to be as liquidated damages and not as a penalty. It is the County's intent to give the contractor a reasonable opportunity whenever practicable, to correct any such failure to perform or satisfactorily perform its responsibilities and duties. In no circumstances shall any uncorrected situation extend for more than five days. The County will make the following deductions from the contract sum in the event that the contractor fails to perform any of the required work within the required time limits in the event the County carries out the work using its forces or another contractor.

1. For use of County's forces – actual cost involved.
2. For use of another contractor – the amount charged by said contractor.

The County reserves the right to hold back and/or withhold part of complete payments for unsatisfactory work, deficiencies, etc. until said defects are satisfactorily corrected or cleared.

21. Evaluation Criteria: All bids submitted and accepted in accordance with this IFB will be evaluated based on the following criteria. This list is in no particular order.
 - Responsiveness to this IFB.
 - Cost.
 - References.
 - Previous experience on projects of similar scope and size.
22. Quality: Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.
23. MBE/WBE Participation – Affirmative Action:
 - A. MBE/WBE – Vendors submitting bids are encouraged to solicit MBE/WBE participation in fulfilling their contract. Indicate in your response any MBE/WBE areas of involvement for monitoring purposes.
 - B. The successful vendor will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, age, sex, national origin or physical handicap.
20. Default: In case of default by vendor the County may procure the item or services from other sources and may recover the loss occasioned thereby from any unpaid balance due the vendor or by proceeding against the vendor's performance bond, if any, and/or by suit against vendor.
21. Termination for Cause: This contract is subject to termination for failure to comply with the specifications, terms and conditions by the County or the contractor upon written notice by registered mail. Such termination will be effective not less than ten (10) days nor more than sixty (60) days after receipt of such notice from the County nor less than thirty (30) days nor more than sixty (60) days after receipt by the County from the contractor. Receipt of notice by one party to terminate the contract will nullify any subsequent reciprocal notice by the receiving party prior to the announced termination date. In the event of termination the County shall be responsible to pay the contractor only for work satisfactorily completed upon the effective date of termination and shall not be responsible for any other charges.

22. Termination for Convenience: Greenville County may terminate for convenience any contract resulting from this solicitation by providing sixty (60) calendar days advance written notice to the vendor.
23. Non-Appropriation: Any contract entered into by the County resulting from this invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
24. Incorporation of Bid into Contract: The terms, conditions, and specifications of this bid and the selected firm's response are to be incorporated, in total, into the contract.
25. S.C. Law Clause: Upon award of contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder understands and agrees to be bound to the jurisdiction and process of the courts of the State of South Carolina, as to all matters and conflicts or future conflicts under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
26. Illegal Immigration Reform Act Compliance: By submitting an offer, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws (originally enacted as Section 3 of The South Carolina Illegal Immigration Reform Act , 2008 S.C. Act No. 280) and agrees to provide upon request any documentation required to establish either: (a) the applicability of Title 8, Chapter 14 to Contractor and any subcontractors or sub-subcontractors; or (b) the compliance with Title 8, Chapter 14 by Contractor and any subcontractor or sub-subcontractor. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." Contractor agrees to include in any contracts with its subcontractors language requiring the subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in any contracts with the sub-subcontractors language requiring the sub- subcontractor to comply with the applicable requirements of Title 8, Chapter 14. In the event any contractor, subcontractor and/or sub-subcontractor is found not to be in compliance with the SC Immigration Reform Act [hereinafter "The Act"], the contractor agrees to fully indemnify the County for any loss suffered by the County as a result of such contractor, subcontractor or sub-subcontractor's failure to comply with the Act.
27. Assignment Clause: Successful responder will be required to give the County ninety (90) days notice in the event of a change in the ownership of this contract. The County is under no obligation to continue this contract with an assignee. No contract or its provisions may be assigned, sublet, or transferred without the written consent of the County.

28. Indemnification: The contractor agrees to indemnify and save harmless the County of Greenville and all County officers, agents and employees from any and all claims, suits, actions, legal proceedings, damages, costs, expenses & attorney fees of every name and description, arising out of or resulting from the use of any materials furnished by the contractor, or any work done in the performance of the contract arising out of a willful or negligent act or omission of the provider, its officers, agents and employees; provided that such liability is not attributable to a willful or negligent act or omission on the part of the County, its officers, agents and employees.
29. Deviations from Specifications: Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheets(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Responders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.
30. Minor Deviations: The County reserves the right to negotiate minor deviations from the prescribed terms, conditions and requirements with the selected vendor.
31. Contractor License Requirement: The contractor shall procure all permits and licenses, and pay all charges and fees necessary and incidental to the lawful conduct of his business. He shall keep himself fully informed of existing and future Federal, State, and Local Laws, ordinances and regulations which in any manner affect the fulfillment of his contract and shall comply with the same.
32. Conflict of Interest Statement: The contractor may become involved in situations where a conflict of interest could occur due to individual or organizational activities within the County. The vendor, by submitting a bid, is in essence assuring the County that his company, and/or subcontractors, is in compliance with all federal, state, and local conflict of interest laws, statutes, and regulations.
33. Insurance:
The contractor is responsible for and must have all required insurance listed below and shall not commence work under the associated contract until it has obtained all insurance required, and the County has approved such insurance in writing, nor shall the Contractor allow any subcontractor to commence work on its subcontract until all similar insurance required of the subcontractor has been obtained. All insurance policies shall be maintained for the life of the contract.
- A. THE COUNTY SHALL BE NAMED AS "ADDITIONAL INSURED" FOR ITS INTEREST on all policies of insurance except Worker's Compensation, Automobile Liability, and Professional Errors and Omissions, as regards ongoing operations, products and completed operations, and this shall be noted on the face of the Certificate of Insurance. As a part of the certificate of insurance requirement the contractor shall also

include acknowledgement and acceptance of the waiver of subrogation provision granted to the County of Greenville. This acknowledgement and acceptance should be included in the same section of the Certificate of Insurance that evidences the "Additional Insured" provision.

- B. Certificates for all such policies of insurance shall be provided by the Contractor's insurance agent or broker to the County within 10 working days from the date of Notice of Award.
- C. All Certificates of Insurance submitted shall provide on the face of the certificate reference to County's IFB #38-12/1/16.
- D. Contractor will provide County a minimum of 30 days advance notice in the event the insurance policies (or an insurance policy) are canceled. Subcontractors approved to perform work on this project are subject to all of the requirements in this Section.
- E. Contractor agrees to maintain and keep in force during the life of this Agreement, with a company or companies authorized to do business in South Carolina, the following insurance policies:

Comprehensive General Liability:

1,000,000 per occurrence - combined single limit / \$2,000,000 general aggregate, to include products and completed operations.

Automobile Liability:

\$1,000,000 per occurrence - combined single limit (Coverage shall include bodily injury and property damage and cover all vehicles including owned, non-owned and hired)

Statutory Worker's Compensation:

Coverage A - State of SC

Coverage B - Employers liability

\$1,000,000 Each Accident

\$1,000,000 Disease, Per Employee

\$1,000,000 Disease, Policy Limit

Policies shall contain a waiver of subrogation in favor of and/or that applies to the County of Greenville, its departments, agencies, boards, employees, and commissions for losses from work performed by or on behalf of the contractor.

Pollution Insurance

\$1,000,000 per occurrence

No deviation from these coverages will be accepted unless, in the County's sole discretion, it is more advantageous to the County, i.e., \$1,000,000 - a \$2,000,000 or \$5,000,000 limit would be acceptable.

- 34. Contracts: The County reserves the option to prepare and negotiate its own contract with the vendor, giving due consideration to the stipulations of the vendor's contracts and associated legal

documents. Vendors should include with their submittal a copy of any proposed standard contract.

35. Contractor Liability: The contractor assumes full responsibility for all injuries to, or death of any person and for all damage to property, including property and employees of the County and for all claims, losses or expense which may in any way arise out of the performance of the work, whether caused by negligence or otherwise; and the contractor shall indemnify and save the County harmless from all claims, losses, expense, or suits for any such injuries, death or damages to property, and from all liens, losses, expenses, claims or causes of action of any sort which may arise out of the performance of the work, and shall defend, on behalf of the County and suit brought against the County for attorney's fees and for all other expenses incurred by the County in connection with or as a result of any such suit, claims, or loss. Under no circumstances and with no exception will Greenville County act as arbitrator between the contractor and any subcontractor. The contractor will be solely responsible for compliance with building code requirements, all dimensions, and all conditions relating to his work under this contract. Workmanship shall be first quality in every respect. All measures necessary to ensure a first class job shall be taken.
36. Sub-Contracting: The contractor shall not subcontract any portion of this contract without proper written approval from the County.
37. Non-Collusion: The contractor expressly warrants and certifies that neither the Contractor nor its employees or associates has directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in conjunction with this bid.
38. Prohibition of Gratuities: Neither the contractor nor any person, firm or corporation employed by the contractor in the performance of the contract shall offer or give, directly or indirectly, to any employee or agent of the County, any gift, money, or anything of value, or promise any obligations, or contract for future reward or compensation at any time during the term of this contract.
39. Publicity Releases: Contractor agrees not to refer to the award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the user. The contractor shall not have the right to include the County's name in its published list of customers without prior approval of the County. With regard to news releases, only the name of the County, type and duration of contract may be used and then only with prior approval of the County. The contractor also agrees not to publish, or cite in any form, any comments or quotes from the County Staff unless it is a direct quote from the Public Information Officer.
40. Public Record: The County of Greenville is a public body and governed by the South Carolina Freedom of Information Act. Documents submitted to the County relating to this Invitation for Bids are subject to requirements of the Freedom of Information Act and may be deemed public records.

41. Precedence: In the event of conflict between the terms and conditions and the specifications, the more restrictive instruction shall take precedence unless stated otherwise in the specifications.

STATE OF SOUTH CAROLINA)
COUNTY OF GREENVILLE)

SERVICES AGREEMENT

This AGREEMENT is made and entered into on this _____ day of _____, 2016, by and between the **COUNTY OF GREENVILLE**, a political subdivision of the State of South Carolina, having its principal place of business at 301 University Ridge, Greenville, S.C. 29601 (“County”), and _____ located at _____ (“Contractor”).

In consideration of the covenants hereinafter set forth, the parties mutually agree as follows:

1. **CONTRACT PERIOD.** This Agreement shall begin on the effective date of the Notice to Proceed, and shall remain in effect for ninety (90) days, unless extended by the County, or otherwise terminated as hereinafter provided. The County may elect to extend the contract by providing notice to the Contractor at least thirty (30) days prior to the termination date.

2. **SCOPE OF SERVICES.** County has employed Contractor to provide the demolition of structures and site cleanup for properties.

These services to be provided by Contractor are set forth more fully in County Invitation for Bids (“IFB”) #38-12/01/16 and in Contractor’s Response, received _____, 2016, to County IFB #38-12/01/16, attached hereto and incorporated herein by reference.

3. **PRICE.** County agrees to pay Contractor a total sum not to exceed _____.

4. **STANDARD OF CARE.** Services performed by Contractor will be conducted in a manner consistent with that level of care and skill exercised by members of the profession with Contractor’s experience and qualifications currently providing similar services.

5. **DOCUMENTS.** In connection with the performance of the services, Contractor may deliver to County one or more reports or other written documents

reflecting services provided. All such reports or other written documents shall become the property of County upon delivery; however, all original data gathered by Contractor and work papers produced by Contractor in the performance of services are, and shall remain the sole and exclusive property of Contractor.

6. **PAYMENT TERMS.** Contractor will submit invoice to County, which shall include a detailed listing of charges upon completion of services. Within ten (10) days of receipt of an invoice County shall notify Contractor of any dispute with the invoice and Contractor, upon such notice, shall provide to County back-up data supporting the invoice. County and Contractor will, thereafter, promptly resolve any disputed items. Payment on undisputed invoice amounts is due upon receipt of the invoice by County and is past due thirty (30) days from the date the invoice is received. If payment remains past due sixty (60) days from the date the invoice is received by the County, then Contractor shall have the right to either suspend all services provided pursuant to this Agreement, without prejudice, or terminate this Agreement in accordance with the provisions of Section 18. **NO INTEREST OR OTHER LATE PENALTIES SHALL ACCRUE ON LATE PAYMENTS.**

7. **NON-APPROPRIATION.** **It is understood and agreed by the parties that in the event funds are not appropriated in the current fiscal year or any subsequent fiscal years, this contract will become null and void and the County will only be required to pay for services completed to the satisfaction of the County.**

8. **WARRANTY.** Contractor warrants to County that all services and labor furnished to progress the work under this contract will be performed in accordance with the standard of care and diligence normally practiced by recognized firms of this type in performing services of a similar nature, free from defects which would not normally be found in work of this nature, and that the work will be of good quality, and in strict conformance with this contract. All work not conforming to these requirements may be considered defective.

9. **INSURANCE.** **The Contractor is responsible for and must have all required insurance listed below and shall not commence work under the associated**

contract until it has obtained all insurance required, and the County has approved such insurance in writing, nor shall the Contractor allow any subcontractor to commence work on its subcontract until all similar insurance required of the subcontractor has been obtained. All insurance policies shall be maintained for the life of the contract.

A. THE COUNTY SHALL BE NAMED AS "ADDITIONAL INSURED" FOR ITS INTEREST on all policies of insurance, except Worker's Compensation, Automobile Liability and Professional Errors and Omissions, regarding ongoing operations, products and completed operations, and this shall be noted on the face of the Certificate of Insurance. As a part of the certificate of insurance requirement the contractor shall also include acknowledgement and acceptance of the waiver of subrogation provision granted to the County of Greenville. This acknowledgement and acceptance should be included in the same section of the Certificate of Insurance that evidences the "Additional Insured" provision.

B. Certificates for all such policies of insurance shall be provided by the contractor's insurance agent or broker to the County within 10 working days from the date of Notice of Award.

C All Certificates of Insurance submitted shall provide on the face of the certificate reference to County's IFB#38-12/01/16.

D. Contractor will provide County a minimum of 30 days advance notice in the event the insurance policies (or an insurance policy) are canceled.

E. Subcontractors approved to perform work on this project are subject to all of the requirements in this Section.

F. Contractor agrees to maintain and keep in force during the life of this Agreement, with a company or companies authorized to do business in South Carolina, the following insurance policies:

Comprehensive General Liability:

1,000,000 per occurrence - combined single limit / \$2,000,000 general aggregate, to include products and completed operations.

Automobile Liability:

\$1,000,000 per occurrence - combined single limit (Coverage shall include bodily injury and property damage and cover all vehicles including owned, non-owned and hired)

Statutory Worker's Compensation:

Coverage A - State of SC

Coverage B - Employers liability

\$1,000,000 Each Accident

\$1,000,000 Disease, Per Employee

\$1,000,000 Disease, Policy Limit

Policy shall contain a waiver of subrogation in favor of and/or applies to the County of Greenville, its departments, agencies, boards, employees, and commissions for losses from work performed by or on behalf of the contractor.

Pollution Insurance:

\$1,000,000 per occurrence

No deviation from these coverages will be accepted unless, in the County's sole discretion, it is more advantageous to the County, i.e., \$1,000,000 - a \$2,000,000 or \$5,000,000 limit would be acceptable.

Vendors will provide County a minimum of 30 days advance notice in the event the insurance policy (or an insurance policy) is canceled. Subcontractors approved to perform work on this project are subject to all of the requirements in this Section.

10. PERFORMANCE AND PAYMENT BOND. Contractor shall furnish a satisfactory Performance and Payment Bond in the amount of the total contract price no later than fifteen (15) business days after the date of the Notice of Award. The **Contractor** shall have as surety a corporate surety authorized to act as surety in South Carolina. The Performance and Payment Bond shall remain in effect for one year after completion of the contract.

11. INDEMNIFICATION. Contractor agrees to defend, indemnify and save harmless the County and all County officers, agents and employees from and against any loss, damage, claim or action, including all expenses incidental to such claim and action, to the extent arising from any negligent acts or omissions by Contractor, its agents, staff, consultants and contractors employed by it, in the performance of the services under this Agreement. Contractor shall not be responsible for any loss, damage, or liability to the extent arising from acts of the County, its agents, staff, and other consultants employed by it.

12. RIGHT OF ENTRY. The County will provide for the right of entry for Contractor, its subcontractors, and all necessary equipment in order to complete the work under this Agreement. Contractor agrees to be responsible for any damage to property that is caused by Contractor, its subcontractors and/or equipment and further agrees to take all necessary corrective action for any damage to property that is caused by Contractor, its subcontractors and/or equipment.

13. SAFETY, HEALTH, AND SECURITY. Contractor shall be solely responsible for its activities, that of its employees on the site and activities of its consultants, contractors and/or subcontractors for maintaining a safe job site. Contractor's activities and activities of its consultants, contractors and/or subcontractors shall comply with all local, state, and federal safety regulations and their enforcement agencies. Contractor shall at all times conduct its operations under this Contract in a manner to avoid risk of endangerment to the health and safety of persons and property. The Contractor shall have sole responsibility for implementing its safety and health programs, taking all safety and health precautions necessary and continuously inspecting

all equipment, materials and work to prevent, discover, determine and correct any conditions which might result in personal injury, equipment damage or damage to property or the public. Contractor's safety, health and security programs shall be in compliance with all regulatory requirements and shall furnish accident, incident, injury, and other records and reports required by the Occupational Safety and Health Administration, State and Local laws, or by the County.

14. COMPLIANCE WITH CODES AND STANDARDS. Contractor's professional services shall incorporate those federal, state and local laws, regulations, codes and standards that are applicable at the time Contractor rendered its services. Contractor shall not be responsible for any claim or liability for injury or loss allegedly arising from Contractor's failure to abide by federal, state or local laws, regulations, codes and standards that were not in effect or publicly announced at the time Contractor rendered its services.

15. ILLEGAL IMMIGRATION REFORM ACT COMPLIANCE. By submitting an offer, Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina Code of Laws (originally enacted as Section 3 of The South Carolina Illegal Immigration Reform Act , 2008 S.C. Act No. 280) and agrees to provide upon request any documentation required to establish either: (a) the applicability of Title 8, Chapter 14 to Contractor and any subcontractors or sub-subcontractors; or (b) the compliance with Title 8, Chapter 14 by Contractor and any subcontractor or sub-subcontractor. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony, and upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both." Contractor agrees to include in any contracts with its subcontractors language requiring the subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in any contracts with the sub-subcontractors language requiring the sub-subcontractor to comply with the applicable requirements of Title 8, Chapter 14. In the event any contractor, subcontractor and/or sub-subcontractor is found not to be in

compliance with the SC Immigration Reform Act [hereinafter "The Act"], the contractor agrees to fully indemnify the County for any loss suffered by the County as a result of such contractor, subcontractor or sub-subcontractor's failure to comply with the Act.

16. PUBLIC RESPONSIBILITY. The County has a duty to conform to applicable codes, standards, regulations and ordinances with regard to public health and safety. Contractor will at all times alert the County to any matter of which Contractor becomes aware and believes requires the County to issue a notice or report to certain public officials, or to otherwise conform with applicable codes, standards, regulations or ordinances. If the County decides to disregard Contractor's recommendations in these respects, Contractor shall employ its best judgment in deciding whether or not it should notify public officials.

17. CLIENT LITIGATION. Contractor agrees to produce documents, witnesses and/or general assistance to any litigation, arbitration or mediation involving the County, if the County requests such documents, witnesses and/or general assistance. The County shall reimburse Contractor for all direct expenses incurred and time according to Contractor's rate schedule as of the date of the execution of this Agreement.

18. CONFIDENTIALITY. Contractor will maintain as confidential any documents or information provided by the County and will not release, distribute or publish same to any third party without prior permission from the County, unless compelled by law or order of a court or regulatory body of competent jurisdiction. Such release will occur only after prior notice to the County.

19. NOTICES. All notices made pursuant to this Agreement shall be in writing and delivered personally or sent by registered or certified mail, return receipt requested, to the parties at their respective addresses set forth below:

COUNTY

CONTRACTOR

Nadine Chasteen, CPPO, CPPB
Director
County of Greenville
Procurement Services Division
301 University Ridge, Suite 100
Greenville, SC 29601

Any party may change the person to whom notices are to be sent by giving ten (10) calendar days written notice of such change to the other party.

20. TERMINATION. This contract is subject to termination for failure to comply with the specifications, terms and conditions by the County or the Contractor upon written notice by registered mail. Such termination will be effective not less than ten (10) days nor more than sixty (60) days after Contractor's receipt of such notice from the County, nor less than thirty (30) days nor more than sixty (60) days after receipt by the County from the Contractor. Receipt of notice by one party to terminate the contract will nullify any subsequent reciprocal notice by the receiving party prior to the announced termination date. In the event of termination, the County shall be responsible to pay the Contractor only for work satisfactorily completed upon the effective date of termination, and the County shall not be responsible for any other charges.

Should the County fail to make payment on any undisputed invoice amount within sixty (60) business days upon receipt of such invoice, Contractor may elect to either suspend the services provided or terminate this Agreement; provided, however, prior to termination, the County shall be given notice of the default and an opportunity to cure such default within seven (7) business days after receipt of the notice of default. Should this Agreement be terminated by Contractor, Contractor shall be entitled to be paid only for the services actually completed to the satisfaction of the County as of the date of termination.

The County may terminate this contract for convenience by providing thirty (30) calendar days advance written notice to the Contractor.

This Agreement may also be terminated pursuant to the pertinent portions of Section 6 or Section 7 herein.

This Agreement may also be terminated by the written mutual consent of both parties.

21. CONTRACT DOCUMENTS. This Agreement, along with the provisions contained in County IFB #38-12/01/16 and Contractor's Response to County IFB #38-12/01/16 represents the entire agreement between the parties and supersedes any and all prior agreements, whether written or oral, that may exist between the parties regarding same. If there is a conflict between any of the terms of these contract documents the order of precedence of these contract documents shall be:

- A. Any amendment signed after the execution date of this agreement;
- B. This Agreement;
- C. Contractor's Response to County IFB #38-12/01/16;
- D. Addenda to County IFB #38-12/01/16.
- E. County IFB #38-12/01/16.

22. ASSIGNMENT. This Agreement may not be assigned by either party without the prior written consent of the other party.

23. SEVERABILITY. Should any section, paragraph, clause, phrase, or provision of this Agreement be determined invalid or held unconstitutional by a court of competent jurisdiction, such declaration shall not affect the validity of this Agreement as a whole or any part or provision thereof, other than the part so decided to be invalid or unconstitutional.

24. APPLICABLE LAW AND VENUE. The construction, interpretation and performance of this Agreement shall be governed by and construed in accordance with the laws of the State of South Carolina.

The County and Contractor further agree that this Agreement shall be deemed to be made and performed in Greenville County, South Carolina. For the purposes of venue, all suits or causes of action arising out of this Agreement shall be brought in the courts of Greenville County, South Carolina.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

WITNESSES:

CONTRACTOR

By: _____

Its: _____

COUNTY OF GREENVILLE

By: _____

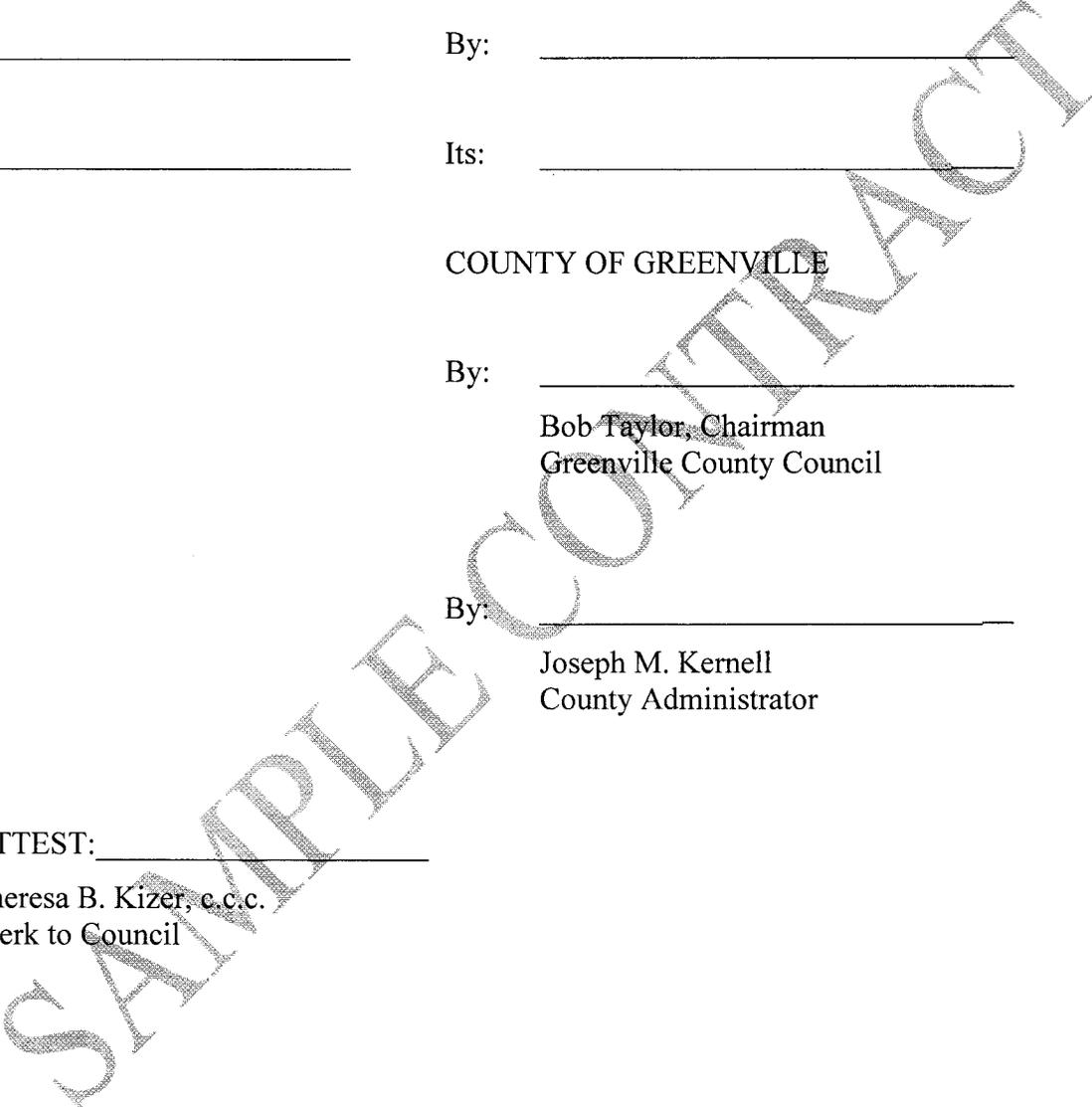
Bob Taylor, Chairman
Greenville County Council

By: _____

Joseph M. Kernell
County Administrator

ATTEST: _____

Theresa B. Kizer, c.c.c.
Clerk to Council



**Asbestos Assessment Report
645 Tanner Road
Taylors, South Carolina
S&ME Project No. 4226-15-049,
Phase 45**



Inspection Performed by:

Brian Mulholland

SCDHEC License. BI-00691

Inspection Date: August 25, 2016

Prepared for:

Greenville County

301 University Ridge

Greenville, South Carolina 29601-3660

Prepared by:

S&ME, Inc.

48 Brookfield Oaks Drive, Suite F

Greenville, South Carolina 29607

September 12, 2016

**ASBESTOS ASSESSMENT REPORT
645 TANNER ROAD
TAYLORS, SOUTH CAROLINA
S&ME Project No. 4226-15-049, Phase 45**

ASBESTOS IDENTIFIED

– YES – NO

ASBESTOS DESIGN REQUIRED

– YES – NO

ASBESTOS AIR MONITORING REQUIRED

– YES – NO



September 12, 2016

Greenville County
Code Enforcement
301 University Ridge
Suite 4100
Greenville, South Carolina 29601-3660

Attention: Ms. Jessica Jordan

Reference: **Asbestos Assessment Report**
645 Tanner Road
Taylors, South Carolina
S&ME Project No. 4226-15-049, Phase 45

Dear Ms. Jordan:

S&ME, Inc. (S&ME) has completed an asbestos assessment for the referenced property. The purpose of the assessment is to identify asbestos-containing materials (ACMs) in the structure prior to demolition. Our Assessment was conducted in general accordance with our Proposal Number 11235 dated April 8, 2011 and our Agreement for Services Form (AS-071). This work was authorized by Greenville County Notice to Proceed Task Order Number 1 (dated August 17, 2016). The following report includes the project background, sampling and analysis procedures, findings and results, and conclusions and recommendations as necessary.

S&ME appreciates the opportunity to provide the asbestos assessment services to Greenville County. Please contact us at your convenience if there are questions regarding the information contained in this report.

Sincerely,

S&ME, Inc.

Brian Mulholland
Industrial Hygiene Project Manager
bmulholland@smeinc.com

Sherman Woodson CIH, CSP
Senior Industrial Hygienist
swoodson@smeinc.com

BM/TB T:\Projects\2015\ENV\4226-15-049_Greenville County_Greenville County ACM & AAM\Deliverables\Phase 45 - 645 Tanner Road ACM\645 Tanner Rd Asbestos Report.docx



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Appendix IV – Asbestos Inspector License



Executive Summary

On August 25, 2016, S&ME performed an asbestos assessment of the structure located at 645 Tanner Road in Greenville, South Carolina. The purpose of the assessment was to identify asbestos-containing materials (ACMs) in the structures prior to demolition. This Executive Summary is intended as an overview for the convenience of the reader. The complete report must be reviewed in its entirety prior to making decisions regarding this site.

The structure is an approximately 1,800 square feet (SF) single-story residential building on a crawl space foundation. The structure is partially damaged due to fire. A detached storage shed was observed on the property. Table 1, Asbestos Results Summary in the Appendix, presents a summary of the suspect materials, material friability, condition, potential for disturbance, quantity, and asbestos analysis of the samples collected.

Asbestos-containing materials were not identified in the residential structure or detached shed structure during this assessment.

This summary is for convenience only and should not be relied upon without first reading the full contents of this report, including appended materials.

1.0 Introduction

S&ME was contracted by Greenville County to perform an asbestos assessment of the structure located at 645 Tanner Road in Greenville, South Carolina. S&ME performed the asbestos assessment on August 25, 2016. This assessment consisted of observing for, sampling, and analyzing suspect ACM that may be disturbed during future demolition.

The scope of this assessment fulfills the requirements of the United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M, and SCDHEC Regulation 61-86.1, which requires an asbestos assessment of buildings scheduled for renovation or demolition.

2.0 Site And Project Description

2.1 Purpose

The assessment was performed to identify ACMs, prior to disturbing building materials during demolition activities. The assessment included the residential structure and shed located on the property. An assessment strategy appropriate for this purpose was presented in our proposal and this report should be interpreted only with regard to the specific purpose indicated.

2.2 Site Description

The structure consists of a single-story residence located over a crawl space foundation. The structure has been partially damaged by fire. Floor coverings consist of wood flooring and floor tile. Ceilings and walls consist of drywall material. Rock wool insulation is present in the attic. Fiberglass insulation was noted in the crawl space of the residence. Exterior materials consist of brick and vinyl siding, brick foundation, asphaltic roof shingles and roof felt paper. The windows are a combination of wood and vinyl. No suspect materials were observed in the crawl space or attic area.

A detached storage shed was observed on the property. The shed structure consists of wood walls and ceilings and a concrete floor. Exterior materials consist of brick and vinyl siding, brick foundation, asphaltic roof shingles and roof felt paper.

Non-suspect materials observed and not sampled in the buildings include: glass, cement, fiberglass insulation, rock wool insulation, and concrete.

3.0 Asbestos Assessment

3.1 Sampling and Analysis

The assessment was performed by observing and sampling suspect ACMs associated with the accessible areas of the referenced structures. The possibility exists that suspect materials were undetected in inaccessible areas such as wall voids. If additional suspect ACMs not identified in this report are

discovered during destructive activities, bulk samples must be collected by a SCDHEC licensed inspector and analyzed for asbestos content prior to disturbance or disposal of the suspect materials.

A sampling strategy was developed to provide representative samples in accordance with the SCDHEC and the EPA. Bulk samples of suspect ACMs were collected by an SCDHEC licensed inspector. The bulk samples were then recorded on a chain of custody record and submitted to CEI Labs of Cary, North Carolina for analysis by Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) for those non-friable organically bound materials reported negative via PLM. The laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology.

Polarized Light Microscopy (PLM)

The suspect materials were analyzed by trained microscopists using PLM techniques coupled with dispersion staining in accordance with EPA Test Method Title 40 Code of Federal Regulations, Chapter I (1-1-87 edition), Part 763, Subpart F-APPENDIX A. This method identifies asbestos mineral fibers based on six optical characteristics: morphology, birefringence, refractive index, extinction angle, sign of elongation and dispersion staining colors. The laboratory analysis reports the specific type of asbestos identified (there are six asbestos minerals) and the percentage of asbestos present.

Transmission Electron Microscopy (TEM)

Suspect non-friable organically bound materials, exhibiting negative results via PLM analysis, were analyzed by trained microscopists by TEM using EPA 600 Method in accordance with ASTM E2356. Typical examples of this material include, but are not limited to floor tile, mastic adhesives, sheet flooring (linoleum), roofing materials, glazing, caulking, duct mastic and cove base mastic.

3.2 Assessment

The sampled materials were assessed based on condition (good, fair or poor) and potential for disturbance due to the scheduled renovation/demolition. The sampled materials were also categorized based on the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation categories. Friable ACM is classified as an ACM that can be crumbled to a powder by moderate hand pressure. Non-friable ACM is classified as either Category I Non-friable ACM or Category II Non-friable ACM. Category I and Category II Non-friable ACM are distinguished from each other by their fiber release potential when damaged. Generally, Category I Non-friable ACM, which by definition includes intact ACM roofing materials, gaskets, packing, resilient floor coverings and floor mastics, is less likely to become friable and release fibers in a damaged state. Category II Non-friable ACM include all other non-friable ACM excluding Category I that have a high probability of being rendered friable during removal activities or demolition. All Friable ACM, Category I Non-friable ACM that has become friable, Category I Non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II Non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations are considered to be a Regulated Asbestos-Containing Material (RACM).

3.3 Findings and Results

The EPA and SCDHEC define materials as asbestos containing when an asbestos content >1% is detected in a representative sample.

Asbestos-containing materials were not identified in the residential structure or detached shed structure during this assessment.

In accordance with SCDHEC asbestos regulation 61-86.1, analysis of non-friable organically bound materials which tested negative for asbestos by PLM were further tested by TEM. Asbestos was not detected in the TEM samples.

Table I, located in Appendix II summarizes the sample number, location, type of material tested, approximate quantity of the material sampled, condition of the material, and corresponding result for each sample.

4.0 Conclusions And Recommendations

Asbestos-containing materials were not identified in the structures

The possibility exists that suspect materials were undetected in inaccessible areas or inside pipe chases or wall voids. If additional suspect ACMs not identified in this report are discovered during the planned demolition, destructive activities must cease and bulk samples must be collected by a South Carolina licensed inspector and analyzed for asbestos content prior to disturbance or disposal of the suspect materials.

A copy of this report must be submitted to SCDHEC at least ten (10) working days prior to beginning abatement activity in advance of the planned demolition. Federal, State and local regulations should be referred to in order to verify compliance before any actions are initiated on an ACM.

5.0 Assumptions and Limitations

This report is provided for the sole use of the Client. Use of this report by any other parties will be at such party's sole risk, and S&ME disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions only during the time of the sampling period and of the specific areas referenced. Under no circumstances is this report to be used as a bidding document, or as a project design or specification.

S&ME performed the services in accordance with generally accepted practices of reputable environmental consultants undertaking similar studies at the same time and in the same geographical area. S&ME has endeavored to meet this standard of care. No other warranty, expressed or implied, is intended or made with respect to this report or S&ME's services. Users of this report should consider the scope and limitations related to these services when developing opinions as to risks associated with the site.

The possibility exists that suspect materials were undetected in inaccessible or concealed areas such as under carpeting or multiple flooring layers, and inside pipe chases or wall voids. If additional suspect



materials are discovered during the planned destructive activities, bulk samples must be collected by an asbestos inspector and analyzed for asbestos content.

End of Report

Appendices

Appendix I – Photographs



1 645 Tanner Road
Taylors, South Carolina



2 General view of fire damaged interior.



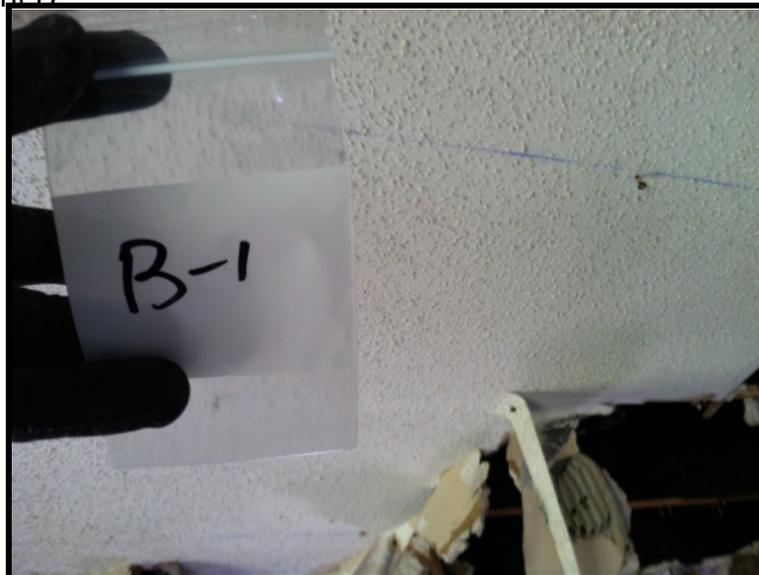
3 General view of fire damaged interior.



4 General view of fire damaged interior.



5 Sample A – Drywall and joint compound located throughout structure.
No asbestos detected.



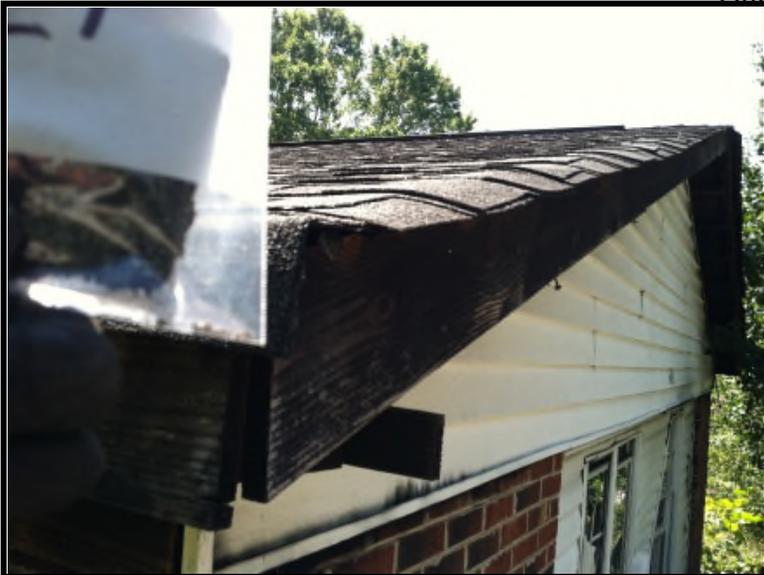
6 Sample B – Textured ceiling material located in converted garage area.
No asbestos detected.



7 Sample C – 12-inch floor tile and yellow mastic located in converted garage area.
No asbestos detected.



8 Sample D – Window glazing compound material located on wood windows.
No asbestos detected.



9 Sample E – Roof shingle and roof felt paper located on main structure.
No asbestos detected.



10 Sample F – Roof shingle and roof felt paper located on outbuilding structure.
No asbestos detected.



11 Outbuilding



12 General interior view of outbuilding.

Appendix II – Asbestos Results Summary

Attachment B

**TABLE 1
ASBESTOS RESULTS SUMMARY**

**645 Tanner Road
Taylors, South Carolina
S&ME Project No. 4226-15-049 Phase 45**

Sample Number	Analytical Method	Result Pos/Neg	Analytical Results	Sample Description	Location	Homogeneous Area	Classification	Friable / Non-Friable	Current Condition	Potential for Disturbance	Estimated Quantity
A1	PLM	Negative	Joint Compound - NAD Drywall - NAD	Drywall and joint compound material	Throughout walls and ceilings	A	Drywall -Miscellaneous Joint Compound - Surfacing	Friable	Damaged	PSD	4,400 SF
A2	PLM										
A3	PLM										
A4	PLM										
A5	PLM										
A6	PLM										
A7	PLM										
B1	PLM	Negative	NAD	Textured ceiling material	Converted garage room	B	Surfacing	Friable	Damaged	PSD	800 SF
B2	PLM										
B3	PLM										
B4	PLM										
B5	PLM										
C1	PLM	Negative	Tile - NAD Mastic - NAD	Floor tile and yellow mastic	Converted garage room	C	Miscellaneous	Non-friable	Damaged	PSD	1,000 SF
C2	PLM										
C3	TEM										
D1	PLM	Negative	NAD	Window glazing compound material	Wood windows	D	Miscellaneous	Non-friable	Damaged	PSD	180 SF
D2	PLM										
D3	TEM										
E1	PLM	Negative	Shingle - NAD Felt - NAD	Roof shingle and roof felt paper	Main structure	E	Miscellaneous	Non-friable	Good	PD	1,800 SF
E2	PLM										
E3	TEM										

Attachment B

**TABLE 1
ASBESTOS RESULTS SUMMARY**

**645 Tanner Road
Taylors, South Carolina
S&ME Project No. 4226-15-049 Phase 45**

Sample Number	Analytical Method	Result Pos/Neg	Analytical Results	Sample Description	Location	Homogeneous Area	Classification	Friable / Non-Friable	Current Condition	Potential for Disturbance	Estimated Quantity
F1	PLM	Negative	Shingle - NAD Felt - NAD	Roof shingle and roof felt paper	Storage shed	F	Miscellaneous	Non-friable	Good	PD	400 SF
F2	PLM										
F3	TEM										

1) Quantities listed above are estimates to be used for inspection purposes only. Quantities should be field verified for all other uses.
NOTE: 2) Approximate sampling locations are depicted on Figure 1.
 3) Sampled by Brian Mulholland, SCDHEC Asbestos Inspector License No. BI-00691
 4) <1% Asbestos = Not considered ACM according to EPA and SCDHEC, but OSHA regulations will apply.

Analytical Result	Category	Current Condition	Potential for Disturbance	Quantity Unit
NAD - No asbestos detected	Sur. - Surfacing material	Good (no damage or very limited)	LPD - Low potential for disturbance,	SF - square feet,
PLM - Polarized light microscopy	Mis.- Miscellaneous material	Damaged (<10% dist. Or 25% local damage)	PD - Potential for disturbance,	LF - linear feet,
TEM - Transmission electron microscopy	TSI - Thermal system	Significantly Damaged (>10% dist. Or 25% local damage)	PSD - Potential of significant disturbance	CF - cubic feet,
PACM - Presumed asbestos containing material	insulation material			
PSNA - Positive Stop. Not Analyzed				

Appendix III – Laboratory Analysis Report



August 30, 2016

S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CLIENT PROJECT: 645 Tanner Road; 4226-15-049 Ph 45
CEI LAB CODE: A16-7706

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 26, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director





AMENDED

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

S&ME

CLIENT PROJECT: 645 Tanner Road; 4226-15-049 Ph 45

CEI LAB CODE: A16-7706

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/30/16

TOTAL SAMPLES ANALYZED: 18

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 645 Tanner Road; 4226-15-049 Ph 45**CEI LAB CODE:** A16-7706**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A1	Layer 1	A2218475	White,Pink	Joint Compound	None Detected
	Layer 2	A2218475	Off-white	Drywall	None Detected
A2	Layer 1	A2218476	White,Pink	Joint Compound	None Detected
	Layer 2	A2218476	Off-white	Drywall	None Detected
A3	Layer 1	A2218477	White,Pink	Joint Compound	None Detected
	Layer 2	A2218477	Off-white	Drywall	None Detected
A4	Layer 1	A2218478	White,Pink	Joint Compound	None Detected
	Layer 2	A2218478	Off-white	Drywall	None Detected
A5	Layer 1	A2218479	White,Pink	Joint Compound	None Detected
	Layer 2	A2218479	Off-white	Drywall	None Detected
A6	Layer 1	A2218480	White,Pink	Joint Compound	None Detected
	Layer 2	A2218480	Off-white	Drywall	None Detected
A7	Layer 1	A2218481	White,Pink	Joint Compound	None Detected
	Layer 2	A2218481	Off-white	Drywall	None Detected
B1		A2218482	White	Textured Ceiling Material	None Detected
B2		A2218483	White	Textured Ceiling Material	None Detected
B3		A2218484	White	Textured Ceiling Material	None Detected
C1		A2218485A	Black	Floor Tile	None Detected
		A2218485B	Yellow	Mastic	None Detected
C2		A2218486A	Black	Floor Tile	None Detected
		A2218486B	Yellow	Mastic	None Detected
C3		A2218487		Sample Submitted for TEM Analysis	
D1		A2218488	Gray	Window Glazing Compound Material	None Detected
D2		A2218489	Gray	Window Glazing Compound Material	None Detected
D3		A2218490		Sample Submitted for TEM Analysis	
E1	Layer 1	A2218491	Black	Roof Shingle	None Detected
	Layer 2	A2218491	Black	Felt	None Detected
E2	Layer 1	A2218492	Black	Roof Shingle	None Detected

**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 645 Tanner Road; 4226-15-049 Ph 45**CEI LAB CODE:** A16-7706**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A2218492	Black	Felt	None Detected
E3		A2218493		Sample Submitted for TEM Analysis	
F1	Layer 1	A2218494	Black	Roof Shingle	None Detected
	Layer 2	A2218494	Black	Felt	None Detected
F2	Layer 1	A2218495	Black	Roof Shingle	None Detected
	Layer 2	A2218495	Black	Felt	None Detected
F3		A2218496		Sample Submitted for TEM Analysis	

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7706
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
A1 Layer 1 A2218475	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb	None Detected
					10%	Binder	
			5%	Paint			
Layer 2 A2218475	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum	None Detected
					10%	Silicates	
A2 Layer 1 A2218476	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb	None Detected
					10%	Binder	
			5%	Paint			
Layer 2 A2218476	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum	None Detected
					10%	Silicates	
A3 Layer 1 A2218477	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb	None Detected
					10%	Binder	
			5%	Paint			
Layer 2 A2218477	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum	None Detected
					10%	Silicates	
A4 Layer 1 A2218478	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb	None Detected
					10%	Binder	
			5%	Paint			

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7706
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2218478	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum Silicates	None Detected
A5 Layer 1 A2218479	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb Binder Paint	None Detected
Layer 2 A2218479	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum Silicates	None Detected
A6 Layer 1 A2218480	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb Binder Paint	None Detected
Layer 2 A2218480	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum Silicates	None Detected
A7 Layer 1 A2218481	Joint Compound	Heterogeneous White,Pink Fibrous Bound	5%	Cellulose	80%	Calc Carb Binder Paint	None Detected
Layer 2 A2218481	Drywall	Heterogeneous Off-white Fibrous Bound	15%	Cellulose	75%	Gypsum Silicates	None Detected

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7706
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B1 A2218482	Textured Ceiling Material	Heterogeneous White Fibrous Bound	5%	Cellulose	80%	Calc Carb 10% Vermiculite 5% Paint	None Detected
B2 A2218483	Textured Ceiling Material	Heterogeneous White Fibrous Bound	5%	Cellulose	80%	Calc Carb 10% Vermiculite 5% Paint	None Detected
B3 A2218484	Textured Ceiling Material	Heterogeneous White Fibrous Bound	5%	Cellulose	80%	Calc Carb 10% Vermiculite 5% Paint	None Detected
C1 A2218485A	Floor Tile	Heterogeneous Black Non-fibrous Bound			90%	Vinyl 10% Binder	None Detected
A2218485B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic <1% Non-Fibrous Debris	None Detected
C2 A2218486A	Floor Tile	Heterogeneous Black Non-fibrous Bound			90%	Vinyl 10% Binder	None Detected
A2218486B	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic <1% Non-Fibrous Debris	None Detected
C3 A2218487	Sample Submitted for TEM Analysis						

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7706
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
D1 A2218488	Window Glazing Compound Material	Heterogeneous Gray Fibrous Bound	<1%	Talc	85%	Calc Carb 10% Binder 5% Paint	None Detected
D2 A2218489	Window Glazing Compound Material	Heterogeneous Gray Fibrous Bound	<1%	Talc	85%	Calc Carb 10% Binder 5% Paint	None Detected
D3 A2218490	Sample Submitted for TEM Analysis						
E1 Layer 1 A2218491	Roof Shingle	Heterogeneous Black Fibrous Bound	15%	Fiberglass	70%	Tar 15% Gravel	None Detected
Layer 2 A2218491	Felt	Heterogeneous Black Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
E2 Layer 1 A2218492	Roof Shingle	Heterogeneous Black Fibrous Bound	15%	Fiberglass	70%	Tar 15% Gravel	None Detected
Layer 2 A2218492	Felt	Heterogeneous Black Fibrous Bound	75%	Cellulose	25%	Tar	None Detected
E3 A2218493	Sample Submitted for TEM Analysis						

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7706
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
F1 Layer 1 A2218494	Roof Shingle	Heterogeneous	15%	Fiberglass	70%	Tar	None Detected
		Black Fibrous Bound			15%	Gravel	
Layer 2 A2218494	Felt	Heterogeneous	75%	Cellulose	25%	Tar	None Detected
		Black Fibrous Bound					
F2 Layer 1 A2218495	Roof Shingle	Heterogeneous	15%	Fiberglass	70%	Tar	None Detected
		Black Fibrous Bound			15%	Gravel	
Layer 2 A2218495	Felt	Heterogeneous	75%	Cellulose	25%	Tar	None Detected
		Black Fibrous Bound					
F3 A2218496	Sample Submitted for TEM Analysis						



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

Attachment B

ASBESTOS CHAIN OF CUSTODY

(22) 416-7706
 A2218475-
 A2218496

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:26429	Job Contact: Brian Mulholland
Company:S&ME	Email / Tel: bmulholland@smeinc.com
Address:281 Fairforest Way	Project Name: 645 Tanner Road
Greenville, SC 29607	Project ID# 4226-15-049 Ph 45
Email:bmulholland@smeinc.com	PO #: 4226-15-049 Ph 45
Tel:(864) 297-9944 Fax:	STATE SAMPLES COLLECTED IN: SC

GENERAL INSTRUCTIONS			
POSITIVE STOP ANALYSIS	x	BEGIN TEM ANALYSIS AFTER NEGATIVE PLM	x
ANALYZE NOB'S BY TEM	x	ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600					x	
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PCM AIR	NIOSH 7400						
TEM AIR AHERA	EPA AHERA						
TEM AIR NIOSH	NIOSH 7402						
TEM BULK	CHATFIELD					x	
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							

REMARKS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
Brian Mulholland	8/25/2016,2:16 PM	A	8 26 16 9:10

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

A16-7706



COMPANY CONTACT INFORMATION			
Company:	S&ME Inc. - Greenville	Job Contact:	Brian Mulholland
Project Name:	645 Tanner Road		
Project ID #:	4226-15-049 Ph 45	Tel:	(864) 297-9944

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST		
			PLM	x	TEM
A1	Joint compound		PLM	x	TEM
A2			PLM	x	TEM
A3			PLM	x	TEM
A4			PLM	x	TEM
A5			PLM	x	TEM
A6			PLM	x	TEM
A7			PLM	x	TEM
B1	Textured ceiling material		PLM	x	TEM
B2			PLM	x	TEM
B3			PLM	x	TEM
C1	Floor tile and yellow mastic		PLM	x	TEM
C2			PLM	x	TEM
C3			PLM		TEM x
D1	Window Glazing Compound Material		PLM	x	TEM
D2			PLM	x	TEM
D3			PLM		TEM x
E1	Roof shingle and felt - residence		PLM	x	TEM
E2			PLM	x	TEM
E3			PLM		TEM x
F1	Roof shingle and felt - shed		PLM		TEM
F2			PLM		TEM
F3			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM



September 1, 2016

S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CLIENT PROJECT: 645 Tanner Road; 4226-15-049 Ph 45
CEI LAB CODE: T16-1385

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on August 30, 2016. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read 'Tianbao Bai', written in a cursive style.

Tianbao Bai, Ph.D., CIH
Laboratory Director



ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

S&ME

CLIENT PROJECT: 645 Tanner Road; 4226-15-049 Ph 45

CEI LAB CODE: T16-1385

TEST METHOD: Bulk Chatfield
EPA 600 / R93 / 116

REPORT DATE: 09/01/16

TEL: 866-481-1412

www.ceilabs.com



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: T16-1385
Date Received: 08-30-16
Date Analyzed: 09-01-16
Date Reported: 09-01-16

Project: 645 Tanner Road; 4226-15-049 Ph 45

TEM BULK CHATFIELD / EPA 600 / R93 / 116

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
C3 T53519	Black Floor Tile	0.526	13.5	80	6.5	None Detected
C3 T53520	Yellow Mastic	0.086	67.4	31.4	1.2	None Detected
D3 T53521	Window Glazing Compound Material	0.277	14.1	78.7	7.2	None Detected
E3 T53522	Roof Shingle	0.291	22.3	55.3	22.4	None Detected
E3 T53523	Felt	03.739	18.3	81.1	.6	None Detected
F3 T53524	Roof Shingle	0.457	23.2	53.6	23.2	None Detected
F3 T53525	Felt	01.269	95.3	1.3	3.4	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client.

ANALYST:

Kamila Reichert

Kamila Reichert

APPROVED BY:

Tianbao Bai

Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS CHAIN OF CUSTODY

(22) 416-7706
A2218475-
A2218496



107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code: 716-1385

CEI Lab I.D. Range: TS3519-525 (7)

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:26429		Job Contact:	Brian Mulholland
Company:S&ME		Email / Tel:	bmulholland@smeinc.com
Address:281 Fairforest Way		Project Name:	645 Tanner Road
Greenville, SC 29607		Project ID#	4226-15-049 Ph 45
Email:bmulholland@smeinc.com		PO #:	4226-15-049 Ph 45
Tel:(864) 297-9944	Fax:	STATE SAMPLES COLLECTED IN: SC	

GENERAL INSTRUCTIONS			
POSITIVE STOP ANALYSIS	x	BEGIN TEM ANALYSIS AFTER NEGATIVE PLM	x
ANALYZE NOB'S BY TEM	x	ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600					x	
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PCM AIR	NIOSH 7400						
TEM AIR AHERA	EPA AHERA						
TEM AIR NIOSH	NIOSH 7402						
TEM BULK	CHATFIELD					x	
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							

REMARKS:		<input checked="" type="checkbox"/> Accept Samples	
		<input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
Brian Mulholland	8/25/2016,2:16 PM	A	8 26 16 9:10
<i>Don Spar</i>	8/29/16 4:30 PM		

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

AK-7706

TL-1385



COMPANY CONTACT INFORMATION			
Company:	S&ME Inc. - Greenville	Job Contact:	Brian Mulholland
Project Name:	645 Tanner Road		
Project ID #:	4226-15-049 Ph 45	Tel:	(864) 297-9944

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST		
			PLM	x	TEM
A1	Joint compound		PLM	x	TEM
A2			PLM	x	TEM
A3			PLM	x	TEM
A4			PLM	x	TEM
A5			PLM	x	TEM
A6			PLM	x	TEM
A7			PLM	x	TEM
B1	Textured ceiling material		PLM	x	TEM
B2			PLM	x	TEM
B3			PLM	x	TEM
C1	Floor tile and yellow mastic		PLM	x	TEM
C2			PLM	x	TEM
C3			PLM		TEM x
D1	Window Glazing Compound Material		PLM	x	TEM
D2			PLM	x	TEM
D3			PLM		TEM x
E1	Roof shingle and felt - residence		PLM	x	TEM
E2			PLM	x	TEM
E3			PLM		TEM x
F1	Roof shingle and felt - shed		PLM		TEM
F2			PLM		TEM
F3			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM
			PLM		TEM

Appendix IV – Asbestos Inspector License



SCDHEC ISSUED
Asbestos ID Card

Brian J Mulholland

Expiration Date



AIR SAMPLER	AS-00074	11/03/16
SUPERHERA	SA-00821	11/03/16
CONSULTBI	BI-00691	11/02/16

**Asbestos Assessment Report
2524 Fork Shoals Road
Piedmont, South Carolina
S&ME Project No. 4226-15-049,
Phase 43**



Inspection Performed by:
Brian Mulholland
SCDHEC License. BI-00691
Inspection Date: August 25, 2016

Prepared for:
Greenville County
301 University Ridge
Greenville, South Carolina 29601-3660

Prepared by:
S&ME, Inc.
48 Brookfield Oaks Drive, Suite F
Greenville, SC 29607

September 12, 2016

**ASBESTOS ASSESSMENT REPORT
2524 FORK SHOALS ROAD
PIEDMONT, SOUTH CAROLINA
S&ME Project No. 4226-15-049, Phase 43**

ASBESTOS IDENTIFIED

– YES – NO

ASBESTOS DESIGN REQUIRED

– YES – NO

ASBESTOS AIR MONITORING REQUIRED

– YES – NO



September 12, 2016

Greenville County
Code Enforcement
301 University Ridge
Suite 4100
Greenville, South Carolina 29601-3660

Attention: Ms. Jessica Jordan

Reference: **Asbestos Assessment Report**
2524 Fork Shoals Road
Piedmont, South Carolina
S&ME Project No. 4226-15-049, Phase 43

Dear Ms. The following report includes the project background, sampling and analysis procedures, findings and results, and conclusions and recommendations as necessary. Jordan:

S&ME, Inc. (S&ME) has completed an asbestos assessment for the referenced property. The purpose of the assessment is to identify asbestos-containing materials (ACMs) in the structure prior to demolition. Our Assessment was conducted in general accordance with our Proposal Number 11235 dated April 8, 2011 and our Agreement for Services Form (AS-071). This work was authorized by Greenville County Notice to Proceed Task Order Number 1 (dated August 17, 2016).

S&ME appreciates the opportunity to provide the asbestos assessment services to Greenville County. Please contact us at your convenience if there are questions regarding the information contained in this report.

Sincerely,

S&ME, Inc.

Brian Mulholland
Industrial Hygiene Project Manager
bmulholland@smeinc.com

Sherman Woodson CIH, CSP
Senior Industrial Hygienist
swoodson@smeinc.com

BM/TB T:\Projects\2015\ENV\4226-15-049_Greenville County_Greenville County ACM & AAM\Deliverables\Phase 43 - 2524 Fork Shoals Road ACM\2524 Fork Shoals Rd Asbestos Report.docx



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2.1 Purpose	2
2.2 Site Description	2
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Appendices

Appendix I – Photographs

Appendix II – Asbestos Results Summary

Appendix III – Laboratory Analysis Report

Appendix IV – Asbestos Inspector License



Executive Summary

On August 25, 2016, S&ME performed an asbestos assessment of the structure located at 2524 Fork Shoals Road in Greenville, South Carolina. The purpose of the assessment was to identify asbestos-containing materials (ACMs) in the structures prior to demolition. This Executive Summary is intended as an overview for the convenience of the reader. The complete report must be reviewed in its entirety prior to making decisions regarding this site.

The structure is an approximately 1,600 square feet (SF) single-story residential building on a crawl space foundation. The structure is partially damaged due to fire. A detached storage structure was observed on the property. Table 1, Asbestos Results Summary in the Appendix, presents a summary of the suspect materials, material friability, condition, potential for disturbance, quantity, and asbestos analysis of the samples collected.

Asbestos-containing materials were not identified in the residential structure or detached structure during this assessment.

This summary is for convenience only and should not be relied upon without first reading the full contents of this report, including appended materials.

1.0 Introduction

S&ME was contracted by Greenville County to perform an asbestos assessment of the structure located at 2524 Fork Shoals Road in Greenville, South Carolina. S&ME performed the asbestos assessment on August 25, 2016. This assessment consisted of observing for, sampling, and analyzing suspect ACM that may be disturbed during future demolition.

The scope of this assessment fulfills the requirements of the United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M, and SCDHEC Regulation 61-86.1, which requires an asbestos assessment of buildings scheduled for renovation or demolition.

2.0 Site And Project Description

2.1 Purpose

The assessment was performed to identify ACMs, prior to disturbing building materials during demolition activities. The assessment included the residential structure and storage structure located on the property. An assessment strategy appropriate for this purpose was presented in our proposal and this report should be interpreted only with regard to the specific purpose indicated.

2.2 Site Description

The structure consists of a single-story residence located over a crawl space foundation. The residential structure has been partially damaged by fire. Floor coverings consist of wood and vinyl sheeting. Ceilings and walls consist of drywall material. Acoustical ceiling tiles are located in the garage. Rock wool insulation is present in the attic. Fiberglass insulation was noted in the crawl space of the residence. Exterior materials consist of brick and vinyl siding, brick foundation, asphaltic roof shingles and roof felt paper. The windows are vinyl. No suspect materials were observed in the crawl space or attic area.

A detached storage structure was observed on the property. The storage structure consists of a metal frame building with partial metal walls remaining in place. The floor is dirt.

Non-suspect materials observed and not sampled in the buildings include: glass, cement, fiberglass insulation, rock wool insulation, and concrete.

3.0 Asbestos Assessment

3.1 Sampling and Analysis

The assessment was performed by observing and sampling suspect ACMs associated with the accessible areas of the referenced structures. The possibility exists that suspect materials were undetected in inaccessible areas such as wall voids. If additional suspect ACMs not identified in this report are discovered during destructive activities, bulk samples must be collected by a SCDHEC licensed inspector and analyzed for asbestos content prior to disturbance or disposal of the suspect materials.

A sampling strategy was developed to provide representative samples in accordance with the SCDHEC and the EPA. Bulk samples of suspect ACMs were collected by an SCDHEC licensed inspector. The bulk samples were then recorded on a chain of custody record and submitted to CEI Labs of Cary, North Carolina for analysis by Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) for those non-friable organically bound materials reported negative via PLM. The laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology.

Polarized Light Microscopy (PLM)

The suspect materials were analyzed by trained microscopists using PLM techniques coupled with dispersion staining in accordance with EPA Test Method Title 40 Code of Federal Regulations, Chapter I (1-1-87 edition), Part 763, Subpart F-APPENDIX A. This method identifies asbestos mineral fibers based on six optical characteristics: morphology, birefringence, refractive index, extinction angle, sign of elongation and dispersion staining colors. The laboratory analysis reports the specific type of asbestos identified (there are six asbestos minerals) and the percentage of asbestos present.

Transmission Electron Microscopy (TEM)

Suspect non-friable organically bound materials, exhibiting negative results via PLM analysis, were analyzed by trained microscopists by TEM using EPA 600 Method in accordance with ASTM E2356. Typical examples of this material include, but are not limited to floor tile, mastic adhesives, sheet flooring (linoleum), roofing materials, glazing, caulking, duct mastic and cove base mastic.

3.2 Assessment

The sampled materials were assessed based on condition (good, fair or poor) and potential for disturbance due to the scheduled renovation/demolition. The sampled materials were also categorized based on the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation categories. Friable ACM is classified as an ACM that can be crumbled to a powder by moderate hand pressure. Non-friable ACM is classified as either Category I Non-friable ACM or Category II Non-friable ACM. Category I and Category II Non-friable ACM are distinguished from each other by their fiber release potential when damaged. Generally, Category I Non-friable ACM, which by definition includes intact ACM roofing materials, gaskets, packing, resilient floor coverings and floor mastics, is less likely to become friable and release fibers in a damaged state. Category II Non-friable ACM include all other non-friable ACM excluding Category I that have a high probability of being rendered friable during removal activities or demolition. All Friable ACM, Category I Non-friable ACM that has become friable, Category I Non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II Non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations are considered to be a Regulated Asbestos-Containing Material (RACM).

3.3 Findings and Results

The EPA and SCDHEC define materials as asbestos containing when an asbestos content >1% is detected in a representative sample.

Asbestos-containing materials were not identified in the residential structure or detached storage structure during this assessment.

In accordance with SCDHEC asbestos regulation 61-86.1, analysis of non-friable organically bound materials which tested negative for asbestos by PLM were further tested by TEM. Asbestos was not detected in the TEM samples.

Table I, located in Appendix II summarizes the sample number, location, type of material tested, approximate quantity of the material sampled, condition of the material, and corresponding result for each sample.

4.0 Conclusions And Recommendations

Asbestos-containing materials were not identified in the structures.

The possibility exists that suspect materials were undetected in inaccessible areas or inside pipe chases or wall voids. If additional suspect ACMs not identified in this report are discovered during the planned demolition, destructive activities must cease and bulk samples must be collected by a South Carolina licensed inspector and analyzed for asbestos content prior to disturbance or disposal of the suspect materials.

A copy of this report must be submitted to SCDHEC at least ten (10) working days prior to beginning demolition activities. Federal, State and local regulations should be referred to in order to verify compliance before any actions are initiated on an ACM.

5.0 Assumptions and Limitations

This report is provided for the sole use of the Client. Use of this report by any other parties will be at such party's sole risk, and S&ME disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions only during the time of the sampling period and of the specific areas referenced. Under no circumstances is this report to be used as a bidding document, or as a project design or specification.

S&ME performed the services in accordance with generally accepted practices of reputable environmental consultants undertaking similar studies at the same time and in the same geographical area. S&ME has endeavored to meet this standard of care. No other warranty, expressed or implied, is intended or made with respect to this report or S&ME's services. Users of this report should consider the scope and limitations related to these services when developing opinions as to risks associated with the site.

The possibility exists that suspect materials were undetected in inaccessible or concealed areas such as under carpeting or multiple flooring layers, and inside pipe chases or wall voids. If additional suspect materials are discovered during the planned destructive activities, bulk samples must be collected by an asbestos inspector and analyzed for asbestos content.



End of Report

Attachment A

Appendices

Appendix I – Photographs



1 2524 Fork Shoals Road



2 General front view



3 General fire damaged interior

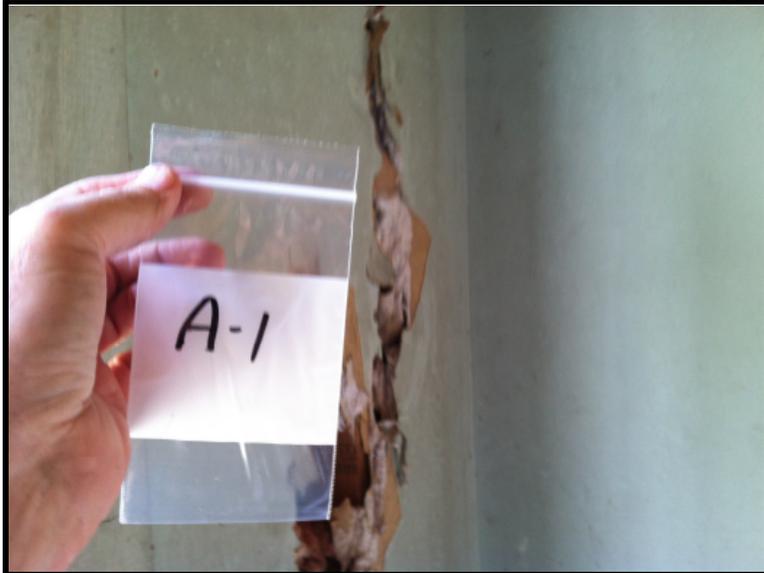


4 General fire damaged interior

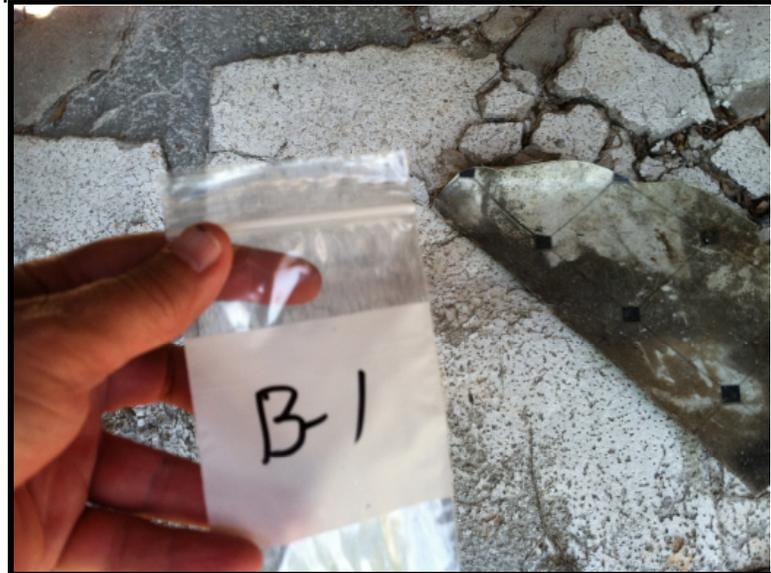


2524 Fork Shoals Road
Piedmont, South Carolina

S&ME Project # 4226-15-049 Phase 43
Taken by: B. Mulholland Date Taken: 8-25-16



5 Sample A – Drywall and joint compound located throughout the structure.
No asbestos detected.



6 Sample B – Acoustical ceiling tile located in garage.
No asbestos detected.



7 Sample C – vinyl sheet flooring located in kitchen and laundry rooms.
No asbestos detected.



8 Sample D – Roof shingle and roof felt paper.
No asbestos detected.



9 General exterior view of rear of structure.



10 General exterior view of rear of structure.



11 General view of outbuilding structure.



12 Outbuilding structure.
No suspect materials observed

Appendix II – Asbestos Results Summary

Attachment A

**TABLE 1
ASBESTOS RESULTS SUMMARY**

**2524 Fork Shoals Road
Piedmont, South Carolina
S&ME Project No. 4226-15-049 Phase 45**

Sample Number	Analytical Method	Result Pos/Neg	Analytical Results	Sample Description	Location	Homogeneous Area	Classification	Friable / Non-Friable	Current Condition	Potential for Disturbance	Estimated Quantity
A1	PLM	Negative	Joint Compound - NAD Drywall - NAD	Drywall and joint compound material	Throughout walls and ceilings	A	Drywall -Miscellaneous Joint Compound - Surfacing	Friable	Damaged	PSD	4,000 SF
A2	PLM										
A3	PLM										
A4	PLM										
A5	PLM										
A6	PLM										
A7	PLM										
B1	PLM	Negative	NAD	Aucoustical ceiling tile	Garage	B	Miscellaneous	Friable	Damaged	PSD	600 SF
B2	PLM										
B3	PLM										
C1	PLM	Negative	VSF - NAD Mastic - NAD	Vinyl sheet flooring and mastic	Kitchen and laundry	C	Miscellaneous	Non-friable	Damaged	PSD	300 SF
C2	PLM										
C3	TEM										
D1	PLM	Negative	Shingle - NAD Felt - NAD	Roof shingle and roof felt paper	Main structure	D	Miscellaneous	Non-friable	Damaged	PSD	1,700 SF
D2	PLM										
D3	TEM										

- NOTE:**
- 1) Quantities listed above are estimates to be used for inspection purposes only. Quantities should be field verified for all other uses.
 - 2) Approximate sampling locations are depicted on Figure 1.
 - 3) Sampled by Brian Mulholland, SCDHEC Asbestos Inspector License No. BI-00691
 - 4) <1% Asbestos = Not considered ACM according to EPA and SCDHEC, but OSHA regulations will apply.

Analytical Result	Category	Current Condition	Potential for Disturbance	Quantity Unit
NAD - No asbestos detected	Sur. - Surfacing material	Good (no damage or very limited)	LPD - Low potential for disturbance,	SF - square feet,
PLM - Polarized light microscopy	Mis.- Miscellaneous material	Damaged (<10% dist. Or 25% local damage)	PD - Potential for disturbance,	LF - linear feet,
TEM - Transmission electron microscopy	TSI - Thermal system	Significantly Damaged (>10% dist. Or 25% local damage)	PSD - Potential of significant disturbance	CF - cubic feet,
PACM - Presumed asbestos containing material	insulation material			
PSNA - Positive Stop. Not Analyzed				

Appendix III – Laboratory Analysis Report



August 30, 2016

S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CLIENT PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43
CEI LAB CODE: A16-7714

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 26, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai".

Tianbao Bai, Ph.D., CIH
Laboratory Director





AMENDED

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

S&ME

CLIENT PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43

CEI LAB CODE: A16-7714

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/30/16

TOTAL SAMPLES ANALYZED: 14

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

**AMENDED****Asbestos Report Summary**

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43

CEI LAB CODE: A16-7714

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A1	Layer 1	A2218689	White	Joint Compound	None Detected
	Layer 2	A2218689	White,Tan	Drywall	None Detected
A2		A2218690	White	Joint Compound	None Detected
	Layer 2	A2218690	White,Tan	Drywall	None Detected
A3	Layer 1	A2218691	White	Joint Compound	None Detected
	Layer 2	A2218691	White,Tan	Drywall	None Detected
A4	Layer 1	A2218692	White	Joint Compound	None Detected
	Layer 2	A2218692	White,Tan	Drywall	None Detected
A5	Layer 1	A2218693	White	Joint Compound	None Detected
	Layer 2	A2218693	White,Tan	Drywall	None Detected
A6	Layer 1	A2218694	White	Joint Compound	None Detected
	Layer 2	A2218694	White,Tan	Drywall	None Detected
A7	Layer 1	A2218695	White	Joint Compound	None Detected
	Layer 2	A2218695	White,Tan	Drywall	None Detected
B1		A2218696	Tan,White	Acoustical Ceiling Tile	None Detected
B2		A2218697	Tan,White	Acoustical Ceiling Tile	None Detected
B3		A2218698	Tan,White	Acoustical Ceiling Tile	None Detected
C1	Layer 1	A2218699	Black,White	Vinyl Sheet Flooring	None Detected
	Layer 2	A2218699	Yellow	Mastic	None Detected
C2	Layer 1	A2218700	Black,White	Vinyl Sheet Flooring	None Detected
	Layer 2	A2218700	Yellow	Mastic	None Detected
C3	Layer 1	A2218701		Sample Submitted for TEM Analysis	
	Layer 2	A2218701		Sample Submitted for TEM Analysis	
D1	Layer 1	A2218702	Black	Roof Shingle	None Detected
	Layer 2	A2218702	Black	Felt	None Detected
D2	Layer 1	A2218703	Black	Roof Shingle	None Detected
	Layer 2	A2218703	Black	Felt	None Detected
D3	Layer 1	A2218704		Sample Submitted for TEM Analysis	



AMENDED

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43

CEI LAB CODE: A16-7714

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
	Layer 2	A2218704		Sample Submitted for TEM Analysis	

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7714
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 2524 Fork Shoals; 4226-15-049 Ph 43

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
A1 Layer 1 A2218689	Joint Compound	Heterogeneous White Non-fibrous Bound	25%	Binder	None Detected
Layer 2 A2218689	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	None Detected
A2 A2218690	Joint Compound	Heterogeneous White Non-fibrous Bound	25%	Binder	None Detected
Layer 2 A2218690	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	None Detected
A3 Layer 1 A2218691	Joint Compound	Heterogeneous White Non-fibrous Bound	25%	Binder	None Detected
Layer 2 A2218691	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	None Detected
A4 Layer 1 A2218692	Joint Compound	Heterogeneous White Non-fibrous Bound	25%	Binder	None Detected

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7714
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 2524 Fork Shoals; 4226-15-049 Ph 43

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2218692	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	20%	Binder Gypsum	None Detected
A5 Layer 1 A2218693	Joint Compound	Heterogeneous White Non-fibrous Bound			25% 10% 65%	Binder Paint Calc Carb	None Detected
Layer 2 A2218693	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	20%	Binder Gypsum	None Detected
A6 Layer 1 A2218694	Joint Compound	Heterogeneous White Non-fibrous Bound			25% 10% 65%	Binder Paint Calc Carb	None Detected
Layer 2 A2218694	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	20%	Binder Gypsum	None Detected
A7 Layer 1 A2218695	Joint Compound	Heterogeneous White Non-fibrous Bound			25% 10% 65%	Binder Paint Calc Carb	None Detected
Layer 2 A2218695	Drywall	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	20%	Binder Gypsum	None Detected

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7714
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 2524 Fork Shoals; 4226-15-049 Ph 43

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B1 A2218696	Acoustical Ceiling Tile	Heterogeneous	50%	Cellulose	10%	Binder	None Detected
		Tan,White	15%	Fiberglass	<1%	Paint	
		Fibrous			25%	Perlite	
		Bound					
B2 A2218697	Acoustical Ceiling Tile	Heterogeneous	50%	Cellulose	10%	Binder	None Detected
		Tan,White	15%	Fiberglass	<1%	Paint	
		Fibrous			25%	Perlite	
		Bound					
B3 A2218698	Acoustical Ceiling Tile	Heterogeneous	50%	Cellulose	10%	Binder	None Detected
		Tan,White	15%	Fiberglass	<1%	Paint	
		Fibrous			25%	Perlite	
		Bound					
C1 Layer 1 A2218699	Vinyl Sheet Flooring	Heterogeneous	25%	Cellulose	25%	Binder	None Detected
		Black,White			50%	Vinyl	
		Fibrous					
		Bound					
Layer 2 A2218699	Mastic	Heterogeneous			100%	Binder	None Detected
		Yellow					
		Non-fibrous					
		Bound					
C2 Layer 1 A2218700	Vinyl Sheet Flooring	Heterogeneous	25%	Cellulose	25%	Binder	None Detected
		Black,White			50%	Vinyl	
		Fibrous					
		Bound					
Layer 2 A2218700	Mastic	Heterogeneous			100%	Binder	None Detected
		Yellow					
		Non-fibrous					
		Bound					
C3 Layer 1 A2218701	Sample Submitted for TEM Analysis						

**AMENDED****ASBESTOS BULK ANALYSIS**

By: POLARIZING LIGHT MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: A16-7714
Date Received: 08-26-16
Date Analyzed: 08-29-16
Date Reported: 08-30-16

Project: 2524 Fork Shoals; 4226-15-049 Ph 43

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A2218701	Sample Submitted for TEM Analysis						
D1 Layer 1 A2218702	Roof Shingle	Heterogeneous Black Fibrous Bound	35%	Fiberglass	40%	Tar Silicates	None Detected
Layer 2 A2218702	Felt	Heterogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
D2 Layer 1 A2218703	Roof Shingle	Heterogeneous Black Fibrous Bound	35%	Fiberglass	40%	Tar Silicates	None Detected
Layer 2 A2218703	Felt	Heterogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	None Detected
D3 Layer 1 A2218704	Sample Submitted for TEM Analysis						
Layer 2 A2218704	Sample Submitted for TEM Analysis						

ASBESTOS CHAIN OF CUSTODY

16 A 16-7714
A 2218689
A 2218704



107 New Edition Court, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:26429		Job Contact:	Brian Mulholland
Company:S&ME		Email / Tel:	bmulholland@smeinc.com
Address:281 Fairforest Way		Project Name:	2524 Fork Shoals
Greenville, SC 29607		Project ID#	4226-15-049 Ph 43
Email:bmulholland@smeinc.com		PO #:	4226-15-049 Ph 43
Tel:(864) 297-9944	Fax:	STATE SAMPLES COLLECTED IN: SC	

GENERAL INSTRUCTIONS			
POSITIVE STOP ANALYSIS	x	BEGIN TEM ANALYSIS AFTER NEGATIVE PLM	x
ANALYZE NOB'S BY TEM	x	ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600					x	
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PCM AIR	NIOSH 7400						
TEM AIR AHERA	EPA AHERA						
TEM AIR NIOSH	NIOSH 7402						
TEM BULK	CHATFIELD					x	
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							

REMARKS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
Brian Mulholland	8/25/2016, 2:13 PM	A	8 26 16 9:10

Samples will be disposed of 30 days after analysis



August 31, 2016

S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CLIENT PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43
CEI LAB CODE: T16-1384

Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on August 29, 2016. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield method is <1% depending on the processed weight and constituents of the sample.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read 'Tianbao Bai', written in a cursive style.

Tianbao Bai, Ph.D., CIH
Laboratory Director



ASBESTOS ANALYTICAL REPORT
By: Transmission Electron Microscopy

Prepared for

S&ME

CLIENT PROJECT: 2524 Fork Shoals; 4226-15-049 Ph 43

CEI LAB CODE: T16-1384

TEST METHOD: Bulk Chatfield
EPA 600 / R93 / 116

REPORT DATE: 08/31/16

TEL: 866-481-1412

www.ceilabs.com



ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

Client: S&ME
48 Brookfield Oaks Dr, Suite F
Greenville, SC 29607

CEI Lab Code: T16-1384
Date Received: 08-29-16
Date Analyzed: 08-30-16
Date Reported: 08-31-16

Project: 2524 Fork Shoals; 4226-15-049 Ph 43

TEM BULK CHATFIELD / EPA 600 / R93 / 116

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material %	Acid Soluble Material %	Acid Insoluble Material %	Asbestos %
C3 T53515	Vinyl Sheet Flooring	0.292	82.5	12.7	4.8	None Detected
C3 T53516	Yellow Mastic	0.367	41.1	6	52.9	None Detected
D3 T53517	Roof Shingle	0.332	20.5	57.5	22	None Detected
D3 T53518	Felt	0.755	94.7	3.3	2	None Detected



LEGEND: None

METHOD: CHATFIELD & EPA/600/R-93/116

LIMIT OF DETECTION: Varies with the weight and constituents of the sample (<1%)

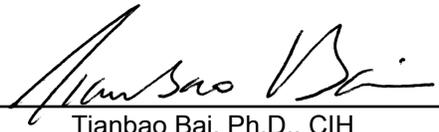
REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client.

ANALYST:


Jennifer Turner

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS CHAIN OF CUSTODY

① A 16-7114
A 2218689
A 2218704



107 New Edition Court, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

T16-1384

CEI Lab I.D. Range:

T53515-518(4)

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:26429		Job Contact:	Brian Mulholland
Company:S&ME		Email / Tel:	bmulholland@smeinc.com
Address:281 Fairforest Way		Project Name:	2524 Fork Shoals
Greenville, SC 29607		Project ID#	4226-15-049 Ph 43
Email:bmulholland@smeinc.com		PO #:	4226-15-049 Ph 43
Tel:(864) 297-9944	Fax:	STATE SAMPLES COLLECTED IN:	SC

GENERAL INSTRUCTIONS			
POSITIVE STOP ANALYSIS	x	BEGIN TEM ANALYSIS AFTER NEGATIVE PLM	x
ANALYZE NOB'S BY TEM	x	ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600					x	
PLM POINT COUNT (400)	EPA 600						
PLM POINT COUNT (1000)	EPA 600						
PLM GRAV w POINT COUNT	EPA 600						
PCM AIR	NIOSH 7400						
TEM AIR AHERA	EPA AHERA						
TEM AIR NIOSH	NIOSH 7402						
TEM BULK	CHATFIELD					x	
TEM DUST WIPE	ASTM D6480-05						
TEM DUST MICROVAC	ASTM D5755-09						
TEM SOIL	ASTM D7521-13						
TEM VERMICULITE	CINCINNATI METHOD						
OTHER:							

REMARKS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
Brian Mulholland	8/25/2016, 2:13 PM	A	8 26 16 9:10

Samples will be disposed of 30 days after analysis

Meyu Ruler 8/29/16 11:05am

Appendix IV – Asbestos Inspector License



SCDHEC ISSUED
Asbestos ID Card

Brian J Mulholland

Expiration Date



AIR SAMPLER	AS-00074	11/03/16
SUPERHERA	SA-00821	11/03/16
CONSULTBI	BI-00691	11/02/16



PIN / Tax Map #	0514050102300	Jurisdiction	1
Owner Name	Cruel Catherine Marie	Land Use	1100
Owner Name 2	Cruel Span Jr etal	Legal Description	NONE
Mailing Address	6602 Mountain View Rd	Subdivision	
City	Taylors	Site Address Number	122
State	SC	Site Address Street	SPRING PARK
Zip Code	29687	Sale Price	\$0
In Care Of		Fair Market Value	\$11,540
Previous Owner	Cruel Wayne Terry	Taxable Market Value	\$11,540
Deed Date	4/26/2006	Taxes	\$427.19
Deed Book	2201	Date Taxes Paid	NaN/NaN/NaN
Deed Page	1534	Estimated Acres	0
Plat Book		Square Feet	1479
Plat Page	0	Number of Bedrooms	3
Tax District	399	Number of Bathrooms	1
Market Area	002064	Number of Half Baths	0

Disclaimer: This Map is not a LAND SURVEY and is for reference purposes only. Data contained in this map are prepared for the inventory of Real Property found within this jurisdiction, and are compiled from recorded deeds, plats, and other public records. Users of this map are hereby notified aforementioned public primary information sources should be consulted for verification of the information contained in this map. Greenville County assumes no legal responsibility for the information contained in this map.



Map Scale
1 inch = 80 feet
 11/2/2016

08/05/2016 12:56



Greenville County, SC



PIN / Tax Map #	0159000801000	Jurisdiction	5
Owner Name	Campbell Lawrence R	Land Use	1100
Owner Name 2		Legal Description	64
Mailing Address	Po Box 72	Subdivision	Union Bleachery
City	Travelers Rest	Site Address Number	203
State	SC	Site Address Street	BROOKS
Zip Code	29690	Sale Price	\$72,000
In Care Of		Fair Market Value	\$67,150
Previous Owner	Boyer Chris	Taxable Market Value	\$67,150
Deed Date	7/14/2008	Taxes	\$225
Deed Book	2331	Date Taxes Paid	NaN/NaN/NaN
Deed Page	2298	Estimated Acres	0
Plat Book	QQ	Square Feet	936
Plat Page	80	Number of Bedrooms	2
Tax District	235	Number of Bathrooms	2
Market Area	001413	Number of Half Baths	0



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Map Scale
1 inch = 40 feet
 11/2/2016

Codes Enforcement

Case Id: 15-3624

Description: 203 BROOKS AVE

Image Taken: Sep 9 2015 1:41PM

Call Id: 84023

Description: 0159.00-08-010.00



Image Id: 611670



PIN / Tax Map #	T029020100103	Jurisdiction	1
Owner Name	Mauldin John Christopher	Land Use	1100
Owner Name 2	Cox & Fisher LLC	Legal Description	NONE
Mailing Address	Po Box 1711	Subdivision	
City	Taylors	Site Address Number	645
State	SC	Site Address Street	TANNER
Zip Code	29687	Sale Price	\$5,600
In Care Of		Fair Market Value	\$64,680
Previous Owner	Mauldin John Christopher	Taxable Market Value	\$64,680
Deed Date	2/22/2011	Taxes	\$1,710.87
Deed Book	2384	Date Taxes Paid	NaN/NaN/NaN
Deed Page	3988	Estimated Acres	2.24
Plat Book	50-C	Square Feet	0
Plat Page	37	Number of Bedrooms	0
Tax District	276	Number of Bathrooms	0
Market Area	001055	Number of Half Baths	0

Disclaimer: This Map is not a LAND SURVEY and is for reference purposes only. Data contained in this map are prepared for the inventory of Real Property found within this jurisdiction, and are compiled from recorded deeds, plats, and other public records. Users of this map are hereby notified aforementioned public primary information sources should be consulted for verification of the information contained in this map. Greenville County assumes no legal responsibility for the information contained in this map.



Map Scale
1 inch = 133 feet
 10/31/2016



08/09/2016 14:57



PIN / Tax Map #	0583020103000	Jurisdiction	1
Owner Name	Carrington Mortgage Services	Land Use	1171
Owner Name 2		Legal Description	NONE
Mailing Address	1610 E Andrew Pl B-150	Subdivision	
City	Santa Ana	Site Address Number	2524
State	CA	Site Address Street	FORK SHOALS
Zip Code	92705	Sale Price	\$2,500
In Care Of		Fair Market Value	\$15,000
Previous Owner	Talbert Christopher James	Taxable Market Value	\$15,000
Deed Date	4/20/2016	Taxes	\$283.98
Deed Book	2486	Date Taxes Paid	12/18/2015
Deed Page	2249	Estimated Acres	1.2
Plat Book	35-Q	Square Feet	0
Plat Page	17	Number of Bedrooms	0
Tax District	046	Number of Bathrooms	0
Market Area	000590	Number of Half Baths	0

Disclaimer: This Map is not a LAND SURVEY and is for reference purposes only. Data contained in this map are prepared for the inventory of Real Property found within this jurisdiction, and are compiled from recorded deeds, plats, and other public records. Users of this map are hereby notified aforementioned public primary information sources should be consulted for verification of the information contained in this map. Greenville County assumes no legal responsibility for the information contained in this map.



Map Scale
1 inch = 133 feet
 10/31/2016





08/15/2016 14:48