



**Purchasing Department  
113 Mable T. Willis Blvd.  
Walterboro, SC 29488  
843.782.0504**

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**BID: PD-26  
OLD HIGH SCHOOL FOOTBALL STADIUM  
DEMOLITION and DISPOSAL PROJECT**

**Due: Thursday, December 19, 2019 @ 11:00am**

**MAIL OR DELIVER RESPONSE TO:**

**Purchasing Department  
Attn: Kaye B Syfrett  
113 Mable T. Willis Blvd.  
Walterboro, SC 29488**

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## A. OVERVIEW

Colleton County, South Carolina (the "**County**") request bids from qualified, licensed contractors for the Old High School Football Stadium demolition and disposal project which consists of bleachers, press box, field house, concession stands, ticket booths, fencing, goal posts, and lighting located at 514 Black Street, Walterboro. The debris will be disposed in accordance with the SC Department of Health and Environmental Control (DHEC) guidelines.

This project is being funded by the South Carolina Department of Commerce, Grants Administration, under the Community Development Block Grant Program (CDBG) and is administered by the Lowcountry Council of Governments. All bids and contracts shall meet the requirements enumerated in the specifications and contract documents.

All Contractors and Sub-contractors are required to be registered with the Federal Government website; System for Award Management (SAM) at [www.sam.gov](http://www.sam.gov). and to comply with the President's Executive Order No. 11246 & Order No. 11375 which prohibits discrimination in employment regarding race, creed, color, sex, or national origin. Contractors must comply with Title VI of the Civil Rights Act of 1964, the Anti-Kickback Act, the Contract Work Hours and Safety Standards Act, and 40 CFR 33.240.

The County requests that all contractors respond with an actual bid or with a written "No Bid." This provision guards against receiving an insufficient response to the Advertisement of Bids.

To be considered responsive, responders must use the Bid Form included in the specifications. Subject to the terms, conditions, provisions, and the enclosed specifications, responses to this solicitation will be received at this office until the stated date and time. Responses received after the scheduled due date and time will be rejected. Bids must be submitted in a sealed package marked on the outside with the Contractor's name, address, the solicitation name and number.

Any prospective contractor or sub-contractor who is aggrieved in connection with the solicitation of this contract may protest to the Town in accordance with Section 11-35-4210 of the SC Code of Laws, within 15 days of the date of issuance of the Notice of Intent to Award.

Questions regarding this solicitation must be submitted via email to ***Carla Harvey, County Engineer at [charvey@colletoncounty.org](mailto:charvey@colletoncounty.org)*** no later than **11:00AM on Thursday, December 12, 2019**. Answers to all questions will be posted on the County website as an addendum to this bid.

## B. SCOPE OF SERVICES

The Old High School Football stadium demolition and disposal project consists of bleachers, press box, field house, concession stands, ticket booths, fencing, goal posts and lighting located at 514 Black Street, Walterboro. Property will be cleaned of all structures, fences, goal posts, lighting, debris, scrub brush, trash and garbage. All debris will be taken to the Colleton County Landfill located at 3288 Green Pond Hwy, Walterboro.

- Contractor must be licensed as a General Contractor in the State of South Carolina and will hold all Trade Contracts and the Building Permit on the project.
- It is the contractor's responsibility to walk the property.
- Demolition Projects will be completed within **60 days** of the "Notice to Proceed."

Asbestos testing has been completed on all structures. Prior to demolition work commencing, the successful contractor will have to provide evidence that they are qualified to do asbestos removal or subcontract with a qualified company to perform all asbestos abatement as described in the asbestos reports and abatement plan as provided. Air monitoring services will be provided by **Summit Engineering, Laboratory & Testing, PC** under a separate contract. The County reserves the right to accept or reject any bid in whole or in part and to award a contract that is in the best interest of the County.

“Equal Employment Opportunity”

## C. INSTRUCTIONS TO CONTRACTOR

1. Submittal must include **one (1) original BID** response clearly marked as original and **one (1) complete copy** of the BID response along with a completed **W-9 form**. Responses must be in a sealed envelope/package containing the solicitation name and number. The individual signing the response must be an Agent legally authorized to bind the company. To be considered responsive, responders must use the Bid Form included in the specifications.
2. All bids are due by **11:00am on Thursday, December 19, 2019**. Responses can be mailed or hand delivered to: Purchasing Department, Attn: Kaye B. Syfrett, 113 Mable T. Willis Blvd, Walterboro, SC 29488.
3. Show solicitation number on the outside of mailing package. Colleton County assumes no responsibility for unmarked or improperly marked envelopes.
4. It is the contractor’s sole responsibility to ensure that solicitation responses, amendments thereto or withdrawal requests are submitted by the scheduled due date and time.
5. The contractor must clearly mark as "Confidential" each part of their response, which they consider to be proprietary information that could be exempt from disclosure under Section 30-40(C) Code of Laws of South Carolina, 1976, Freedom of Information Act. Colleton County reserves the right to determine whether this information should be exempt from disclosure and legal action may not be brought against the County or its agents for its determination in this regard.
6. **RESPONSE FORM:** All responses shall be printed in ink or typewritten. If required, additional pages may be attached. Bids written in pencil will be disqualified.
7. Subject to the terms, conditions, provisions, and the enclosed specifications, responses to this solicitation will be received at this office until the stated date and time. Responses received after the scheduled due date and time will be rejected. Bids must be submitted in a sealed package marked on the outside with the Firm’s name, address, and the solicitation name and number.
8. This solicitation does not commit Colleton County to award a contract, to pay any costs incurred in the preparation of BID submitted, or to procure or contract for the services. The County reserves the right to accept or reject or cancel in part, or in its entirety offers received as a result of this request if deemed to be in the best interest of the County to do so.

**A written “No Response” qualifies as a response; however, it is the responsibility of the Contractor to notify the Procurement Office if you receive solicitations that do not apply.**

## D. SELECTION CRITERIA

1. It is the intent of Colleton County to award one contract to the lowest responsive, responsible bidder based on the total bid submitted on the Bid Form with final approval by County Council. Colleton County reserves the right to reject any or all bids, and to award a contract that is most advantageous, and in the best interest of the County and its partners.
2. Upon an Intent of Notice to Award being issued along with final approval by SC Department of Commerce, and if needed, County Council, a contract will be executed for the requested services.

## E. SPECIFIC TERMS AND CONDITIONS

1. **COMPETITION:** This solicitation is intended to promote full and open competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested vendor to notify the Procurement Office in writing no later than five (5) business days prior to the scheduled due date and time.
2. **RESPONDANTS QUALIFICATION:** The County reserves the right to request satisfactory evidence of their ability to furnish services in accordance with the terms and conditions listed herein. The County further reserves the right to make the final determination as to the Firm's ability to provide said services.
3. **RESPONSE WITHDRAWAL:** Any responses may be withdrawn prior to the established closing date and time, but not thereafter with proper approval from the Procurement Manager.
4. **REJECTION:** Colleton County reserves the right to reject any and all bids, to cancel or withdraw this solicitation, and to waive any technicality if deemed to be in the best interest of the County.
5. **WAIVER:** The County reserves the right to waive any Instructions to Contractor, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the County.
6. **RESPONSE PERIOD:** All responses shall be good for a minimum period of 90 calendar days.
7. **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 contractor will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Unidentified deviations found during the evaluation of the response may be cause for rejection.
8. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Manager of Colleton County.
9. **DEBARMENT:** By submitting a bid, the contractor is certifying that they are not currently debarred from responding to any request for bids by any agency or subdivision of the State of South Carolina or the United States Federal Government, nor are they an agent of any person or entity that is

currently debarred from submitting bids on contracts by any agency or subdivision of the State of South Carolina or the United States Federal Government.

10. DEFAULT: In case of default by the Contractor, the County reserves the right to purchase any or all items in default in the open market, charging the Contractor with any excessive costs. Should such charge be assessed, no subsequent solicitation response of the defaulting Contractor will be considered in future BID's until the assessed charge has been satisfied.
11. HOLD HARMLESS: All respondents to this BID shall indemnify and hold harmless Colleton County Government and any of their officers and employees from all suits and claims alleged to be a result of this request for bids. The issuance of this request of bids constitutes only an invitation to present a bid. Colleton County reserves the right to determine, at its sole discretion, whether any aspect of a respondent's submittal meets the criteria in this request for bids. Colleton County also reserves the right to seek clarifications, to negotiate with any firm submitting a response, to reject any or all responses with or without cause, and to modify the procurement process and schedule.
12. CANCELLATION: In the event that this request for bids is withdrawn or the project canceled for any reason, Colleton County shall have no liability to any respondent for any costs or expenses incurred in connection with this request for proposals or otherwise.
13. COLLETON COUNTY PURCHASING ORDINANCE: The Request of Bids is subject to the provisions of the Colleton County Purchasing Ordinance and any revisions thereto, which are hereby incorporated into this BID in their entirety except as amended or superseded within. This ordinance can be found at: <https://www.municode.com/library/sc/colletoncounty/codes/codeofordinances> under Title 3 - Revenue and Finance.
14. FAILURE TO SUBMIT ALL MANDATORY FORMS: Failure to submit all the mandatory forms from this request of bids shall be just cause for rejection. However, Colleton County reserves the right to decide, on a case by case basis, in its sole discretion, whether or not to reject such a bid as non-responsive.
15. CONTRACT AWARD:
  - a. This solicitation and submitted documents, when properly accepted by Colleton County shall constitute an agreement equally binding between the successful Contractor and the County. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting agreement. The County shall not be legally bound by any amendment or interpretation that is not fully executed by both parties in writing.
  - b. The successful Contractor shall be required to execute a formal agreement with the County's Procurement Office within ten (10) business days after issuance of the Notice of Award.
16. CONTRACT ADMINISTRATION: Questions or problems arising after award of an agreement shall be directed to the Procurement Manager by calling (843) 782-0504. Copies of all correspondence concerning this solicitation or resulting agreement shall be sent to the Purchasing Department, 113 Mable T. Willis Blvd, Walterboro, SC 29488.

## F. GENERAL CONTRACTUAL REQUIREMENTS

1. **ABANDONMENT OR DELAY:** If the work to be done under this contract shall be abandoned or delayed by the Contractor, or if at any time the County shall be of the opinion and shall so certify in writing that work has been abandoned or delayed by the Contractor, the County may annul the contract or any part thereof if the Contractor fails to resolve the matter within thirty (30) days of written notice.
2. **CONTRACTOR'S COOPERATION:** The Contractor shall maintain regular communications with the Project Manager and shall actively cooperate in all matters pertaining to this contract.
3. **RESPONSIBILITY:** The Contractor shall at all times observe and comply with all federal, state, local and municipal laws, ordinances, rules and regulations in any manner affecting the contract.
4. **NON-APPROPRIATION/SUBSTITUTION PERMITTED:** If the Colleton County Council fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract or if a lawful order issued in, or for any fiscal year during the term of the agreement, reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, the agreement shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to County. Following any such non-appropriation, the master lease agreement shall contain no limitation on the County's ability to replace the equipment financed with any other equipment.
5. **INDEMNIFICATION:** Except for expenses or liabilities arising from the negligence of the County, the Contractor hereby expressly agrees to indemnify and hold the County harmless against any and all expenses and liabilities arising out of the performance or default of any resulting agreement or arising from or related to the Work as follows:

The Contractor expressly agrees to the extent that there is a causal relationship between its negligence, action or inaction, or the negligence, action or inaction of any of its employees or any person, contractor, or corporation directly or indirectly employed by the Contractor, and any damage, liability, injury, loss or expense (whether in connection with bodily injury or death or property damage or loss) that is suffered by the County and its employees or by any member of the public, to indemnify and save the County and its employees harmless against any and all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the performance or default of any resulting agreement or arising from or related to the equipment. Such costs are to include defense, settlement and reasonable attorneys' fees incurred by the County and its employees. This promise to indemnify shall include bodily injuries or death occurring to Contractor's employees and any person, directly or indirectly employed by the Firm (including without limitation any employee of any subcontractor), the County's employees, the employees of any other independent contractor, or occurring to any member of the public. When the County submits notice, the Firm shall promptly defend any aforementioned action.

The prescribed limits of insurance set forth herein shall not limit the extent of the Contractor's responsibility under this Section. The terms and conditions contained in this Section shall survive the termination of any resulting agreement or the suspension of the Work hereunder. Additionally, the County will not provide indemnity to the successful FIRM. Failure to comply with this section may result in your request for proposal to be deemed non-responsive.

6. **FORCE MAJEURE:** The Contractor shall not be liable for any excess costs if the failure to perform the resulting agreement arises out of causes beyond the control and without fault or negligence of the Contractor. Such causes may include, but are not restricted to acts of God or of the public

enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises out of causes beyond the control of both the Contractor and subcontractor and without excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.

7. **ARBITRATION:** Under no circumstances and with no exception will Colleton County act as arbitrator between the Contractor and any sub-contractor.
8. **PUBLICITY RELEASES:** The Firm agrees not to refer to 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 County. 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 Administrator. With regard to news releases, only the name of the County, type and duration of any resulting agreement 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's staff unless it is a direct quote from the Procurement Manager.
9. **GOVERNING LAWS:** Any agreement arising from this solicitation shall be governed by the laws of the State of South Carolina and any and all disputes arising out of said agreement shall, if litigation is necessary, be litigated only in a Circuit Court for the Fourteenth Judicial Circuit sitting in Colleton County, South Carolina. The prevailing party shall be entitled to attorney's fees and all costs of said litigation.
10. **ASSIGNMENT:** The Contractor shall not assign in whole or in part any agreement resulting from this Request for Bids without the prior written consent of the County. The Contractor shall not assign any money due or to become due to him under said agreement without the prior written consent of the County.
11. **AFFIRMATIVE ACTION:** The successful Contractor 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, sex, national origin or physical handicap.
12. **FAILURE TO DELIVER GOODS IN ACCORDANCE WITH TERMS & CONDITIONS:** In case of failure to deliver goods in accordance with the contract terms and conditions, Colleton County, after due oral or written notice, may procure substitute goods or services from other sources and hold the contractor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which Colleton County may have.
13. **TERMINATION OF CONTRACT:**
  1. Subject to the Provisions below, the contract may be terminated by the Purchasing Department providing a thirty (30) days advance notice in writing is given to the Contractor.
    - a. **Termination for Convenience:** In the event that this contract is terminated or canceled upon request and for the convenience of the County without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.



- b. Termination for Cause: Termination by the County for cause, default or negligence on the part of the Contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived and the default provision in this request for bids shall apply.
  - c. The County shall be obligated to reimburse the Contractor only for those services rendered prior to the date of notice of termination, less any liquidation damages that may be assessed for non-performance.
2. Non-Appropriations Clause: Notwithstanding any other provisions of the contract, if the funds anticipated for the continued fulfillment of this contract are at any time. Not forthcoming, through the failure of the County Government to appropriate funds, discontinuance or material alteration of the program under which funds were provided, the County shall have the right to terminate the contract without penalty by giving not less than thirty (30) days written notice documenting the lack of funding. Unless otherwise agreed to by the County and the Contractor, the contract shall become null and void on the last day of the fiscal year for which appropriations were received.
14. BONDS: Payment and Performance Bonds are required for this BID.
15. OWNERSHIP OF MATERIAL: Ownership of all data, material, and documentation originated and prepared for the County pursuant to this contract shall belong exclusively to the County.
16. INSURANCE: Colleton County will require the following remain in force at all times through the life of the contract:

Professional Liability Insurance – Minimum \$1,000,000.00 - Proof of in force insurance must be provided in the response to the RFP

Other insurances:

Workers' Compensation - \$100,000 – each accident

Statutory Coverage and Employer's - \$100,000 each employee

Liability - \$500,000 – policy limit

Comprehensive General Liability -\$1,000,000 – bodily injury each occurrence

\$1,000,000 – bodily injury aggregate

\$1,000,000 – property damage each occurrence

\$1,000,000 – property damage aggregate

Products – Completed Operations - \$1,000,000 – aggregate

Business Auto Liability – Same as Comprehensive General Liability

Excess or Umbrella Liability - \$1,000,000

Colleton County will be named as an "additional insured" party

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**BID: PD-26**

**OLD HIGH SCHOOL FOOTBALL STADIUM DEMOLITION and DISPOSAL PROJECT**  
**ADDENDA ACKNOWLEDGMENT**

The contractor has examined and carefully studied the Request for Bid and the following Addenda, receipt of all of which is hereby acknowledged:

Addendum No. \_\_\_\_\_

Addendum No \_\_\_\_\_

Addendum No. \_\_\_\_\_

Addendum No. \_\_\_\_\_

\_\_\_\_\_  
Authorized Representative/Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Representative/Title (Print)

***The Contractor must acknowledge any issued addenda. Bids which fail to acknowledge the contractor's receipt of any addendum will result in the rejection of the offer if the addendum contained information which substantively changes the Owner's requirements or pricing.***

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



**BID: PD-26**

**OLD HIGH SCHOOL FOOTBALL STADIUM DEMOLITION and DISPOSAL PROJECT  
INDEMNIFICATION**

The contractor will indemnify and hold harmless the Owner, Colleton County and their agents and employees from and against all claims, damages, losses and expenses, including attorney’s fees, arising out of or resulting from the performance of the Work provided that any such claims, damages, loss, or expense is attributable to bodily injury, sickness, disease or death, injury to or destruction of tangible property, including the loss of use resulting there from, and is caused by any negligent or willful act or omission of the Firm, and anyone directly or indirectly employed by him/her or anyone for whose acts any of them may be liable.

In any and all claims against the Owner, Colleton County or any of their agents and/or employees by an employee of the Contractor, and anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way to the amount or type of damages, compensation or benefits payable by or for the Contractor under the Worker’s Compensation Acts, Disability Benefit Acts, or other employee benefit acts.

The obligation of the Firm under this paragraph shall not extend to the liability of Colleton County or its agents and/or employees arising out of the reports, surveys, Change Orders, designs or Technical Specifications.

CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

TELEPHONE NO.: \_\_\_\_\_

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



**BID: PD-26**

**OLD HIGH SCHOOL FOOTBALL STADIUM DEMOLITION and DISPOSAL PROJECT**  
**CERTIFICATE OF FAMILIARITY**

The undersigned, having fully familiarized him/her with the information contained within this entire solicitation and applicable amendments, submits the attached response, and other applicable information to the County, which I verify to be true and correct to the best of my knowledge. I further certify that this response is made without prior understanding, agreement, or connection with any corporation, contractor or person submitting a response for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions set forth in this solicitation and certify that I have signature authority to bind the company listed herein.

**MINORITY BUSINESS:** Are you a minority business?

▶ **Yes** \_\_\_\_\_ (\_\_\_\_\_ *Women-owner/* \_\_\_\_\_ *Disadvantaged*) *If yes, please submit a copy of your certificate with your response.*

▶ **No** \_\_\_\_\_

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Representative/Title (Print)

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



**BID: PD-26**  
**OLD HIGH SCHOOL FOOTBALL STADIUM DEMOLITION and DISPOSAL PROJECT**  
**DEBARMENT**

The Contractor is certifying that they are not currently debarred from responding to any request for bids by any agency or subdivision of the State of South Carolina or the United States Federal Government, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency or subdivision of the State of South Carolina or the United States Federal Government.

SAM's No. \_\_\_\_\_

Cage Code. \_\_\_\_\_

DUN's No. \_\_\_\_\_

\_\_\_\_\_  
Authorized Representative/Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Representative/Title (Print)

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



**AHERA/NESHAP ASBESTOS PROJECT DESIGN  
514 BLACK STREET  
WALTERBORO, SC**

**CLIENT:**

*Colleton County  
113 Mable T. Willis Boulevard  
Walterboro, SC 29488*

**LOCATION:**

*514 Black Street  
Walterboro, South Carolina 29488*

**DATE OF DESIGN:**

*November 11, 2019*

**PREPARED BY:**

*David P. Lago*

*David Lago  
Environmental Staff Professional*

*SC DHEC AHERA Asbestos Project Designer PD-00202 Exp: 4/2/20  
SC DHEC AHERA Asbestos Air Sampler AS-00551 Exp: 4/3/20  
SC DHEC AHERA Asbestos Supervisor SA-02985 Exp: 4/3/20  
SC DHEC AHERA Asbestos Building Inspector BI-01210 Exp: 4/4/20  
SC DHEC AHERA Asbestos Management Planner MP-00262 Exp: 4/4/20*

*SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT)  
1539 Meeting Street - Suite A  
Charleston, SC 29405  
(843) 606-6268*

SUMMIT Job No. 5817.500

**AHERA/NESHAP ASBESTOS PROJECT DESIGN**

*514 Black Street  
Walterboro, South Carolina*

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## 1.0 DOCUMENT INTENT

This document represents the Asbestos Abatement Specifications for the abatement of Asbestos Containing Materials (ACMs) for Colleton County at 113 Mable T. Willis Boulevard, Walterboro, South Carolina. The CONTRACTOR shall be responsible for adhering to the Specifications contained in the Asbestos Abatement Specifications.

The Summary of Work is intended to limit the scope and locations of items of the Work included therein. It is not intended to limit the Scope of Work should plans, schedules or notes indicate an increased scope. Inadvertent omission of an item from its proper section of the Specifications and its inclusion in another section shall not relieve the CONTRACTOR of responsibilities for the item specified.

### **Project:**

514 Black Street, Walterboro, South Carolina

### **Consultant:**

SUMMIT Engineering Laboratory & Testing, P.C.

David Lago, Environmental Staff Professional

1539 Meeting Street - Suite A

Charleston, SC 29414

(843) 606-6268

SC DHEC AHERA Asbestos Project Designer No. PD-00202

Expiration Date: April 2, 2020

SC DHEC AHERA Asbestos Building Inspector No. BI-01697

SC DHEC AHERA Asbestos Management Planner No. MP-00262

SC DHEC AHERA Asbestos Air Sampler No. AS-00551

SC DHEC AHERA Asbestos Supervisor No. SA-02985

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

The CONTRACTOR shall be responsible for inspecting the site prior to commencing work to confirm the scope of work. Any quantities listed by the designer in the plans, specifications or survey are so as approximations. The calculation and verification of actual quantities of materials to be encountered is the responsibility of the CONTRACTOR.

The CONTRACTOR has and assumes the responsibility of proceeding in such a manner that they offer their employees, the OWNER's representative, the CONSULTANT and any other authorized visitors, a workplace free of recognized hazards causing or likely to cause death or serious injury.

The CONTRACTOR will be responsible for all costs associated with employee monitoring to meet the OSHA requirements.



## 2.0 SCOPE OF WORK

### **Owner:**

Colleton County

### ***Project Location***

All of the work described within this report will be conducted at the following location:

### **Location:**

514 Black Street, Walterboro, South Carolina

**Project Type: Asbestos Abatement Specifications for the removal of the following materials prior to demolition. Estimated quantities of ACM to be abated include:**

### **Asbestos Abatement:**

#### **Field House**

- **Approx. 2,500 SF of sheetrock/joint compound on ceilings (Class I–Friable, Interior)**

#### **Press Box**

- **Approx. 1,000 SF of cementitious siding panels (Class II –Non-Friable, Exterior)**

The project involves the removal and disposal of the above noted items.

The CONTRACTOR will be responsible for complete removal of the asbestos containing materials listed above in accordance with the project design.

Minimum respiratory protection will be half-face air-purifying respirators equipped with HEPA cartridges. The CONTRACTOR is responsible for selecting the appropriate respiratory protection for each work task and expected exposure to each employee.

The CONTRACTOR shall provide the following utility services for proper completion of the project: potable water and 110-volt electricity. The CONTRACTOR shall coordinate the location and availability of utilities through the OWNER. The CONTRACTOR shall ensure that all electrical cords are connected to GFI devices. Hoses and cords not suspended shall be taped to the floor utilizing caution tape in high traffic areas. The CONTRACTOR shall allow the CONSULTANT the use of the power and water as necessary to complete the air monitoring during the entire course of the project.

### 3.0 SUMMARY OF WORK

- A. Furnish all labor, materials, services, employee training and testing, permits, insurance (pertaining to asbestos abatement activity), tools and equipment necessary for safe completion of all work in accordance with all federal, state, local laws and regulations. The CONTRACTOR shall have complete understanding of all contract documents as supplied by CONSULTANT. Work shall include abatement activities defined below and as represented by the accompanying drawings. The CONTRACTOR is responsible for securing the job site and is solely responsible for their materials and equipment.
- B. Abatement Work
1. **Location:**  
514 Black Street, Walterboro, South Carolina

**Project Type: Asbestos Abatement Specifications for the removal of the following materials. Estimated quantities of ACM to be abated include:**

**Asbestos Abatement:**

**Field House**

- **Approx. 2,500 SF of sheetrock/joint compound on ceilings (Class I –Friable, Interior)**

**Press Box**

- **Approx. 1,000 SF of cementitious siding panels (Class II –Non-Friable, Exterior)**

***Qualifications***

The CONTRACTOR shall be licensed by the South Carolina Department of Health and Environmental Control (SC DHEC) to abate asbestos containing materials in the state of South Carolina. CONTRACTOR's employees shall be licensed by SC DHEC in their respective job/worker category.

## 4.0 DEFINITIONS

1. “Abatement” - Procedures to control fiber release from regulated asbestos-containing materials. This includes removal, enclosure, encapsulation, repair, and any associated preparation, clean up and disposal activities having the potential to disturb regulated asbestos-containing material.
2. “Adequately wet” - To sufficiently mix or penetrate with liquid to prevent the potential release of particulates. The absence of visible emissions is not sufficient evidence of being adequately wet.
3. “Aggressive clearance sampling” - A method of sampling which uses electric fan(s), electric leaf blower(s), and other devices to simulate vigorous activity in the abated area while air samples are being collected.
4. “AHERA” - Regulations developed pursuant to the Asbestos Hazard Emergency Response Act, 40 CFR Part 763, Asbestos Containing Materials in Schools (December 20, 1987).
5. “AIHA” - American Industrial Hygiene Association.
6. “Airlock” - A chamber which permits entrance and exit with minimum air movement between a contaminated area and an uncontaminated area, consisting of two doorways protected by two overlapping polyethylene sheets and separated by a sufficient distance such that one passes through one doorway into the chamber, allowing the doorway sheeting to overlap and close off the opening before proceeding through the second doorway. The airlock maintains a pressure differential between the contaminated and uncontaminated areas, thereby minimizing flow-through contamination further.
7. “Air sampler - A person licensed by SC DHEC to implement air-monitoring plans and analysis schemes during abatement.
8. “Air sampling” - A method such as NIOSH 7400 for PCM, the OSHA Reference Method, 40 CFR 763 Appendix A for TEM, or an equivalent method accepted by SC DHEC used to determine the fiber content of a known volume of air during a specified period of time.
9. “Amended water” - Water to which a surfactant (for example, a non-sudsing detergent) has been added.
10. “Area air sampling” - Any form of air sampling whereby the sampling device is placed at a stationary location either inside or outside the regulated work area.
11. “Asbestos” - The asbestiform varieties of Serpentine (chrysotile), Riebeckite (crocidolite), Cummingtonite-Grunerite (amosite), Anthophyllite, and Actinolite-Tremolite.
12. “Asbestos Containing Material (ACM)” - Material containing asbestos of any type, either alone or mixed with other materials, in an amount greater than one percent (1%) as determined by using the method specified in 40 CFR Part 763, Appendix A, Subpart F, Section 1, as amended, or an accepted equivalent. (NOTE: “Appendix A to Subpart F” has been redesignated as, and shall hereinafter be referred to as, “Appendix E to Subpart E” - 60 FR 31917, June 19, 1995.)
13. “Asbestos containing waste materials” - As applied to demolition and renovation operations, this term includes regulated asbestos-containing waste materials and materials contaminated with asbestos, including disposable equipment and clothing.
14. “Asbestos project” - Any activity associated with abatement including inspection, design, air monitoring, in-place management, encapsulation, enclosure, renovation, repair, removal, any disturbance of regulated asbestos containing materials (RACM), and demolition of a facility.

15. "Asbestos project design" - A written or graphic plan prepared by an accredited project designer specifying how an asbestos abatement project will be performed that includes, but is not limited to, scope of work and technical specifications.
16. "ASHARA" - Regulations developed pursuant to 40 CFR Part 763, Subpart E, Appendix C Model Accreditation Plan, Asbestos School Hazard Abatement Reauthorization Act (November 28, 1992).
17. "Background monitoring" - Area sampling performed prior to abatement to obtain an index of existing airborne fiber levels under typical activity.
18. "Category I nonfriable asbestos containing material (ACM)" - Nonfriable asbestos or nonfriable asbestos-containing packing, gaskets, and resilient floor covering; and asphalt roofing products containing greater than one percent (1%) asbestos as determined using the method specified in 40 CFR Part 763, Appendix E, Subpart E, or an accepted equivalent.
19. "Category II nonfriable ACM" - Any material that cannot, when dry, be crumbled, pulverized, or reduced to powder by the forces expected to act upon it in the course of demolition or renovation operations, excluding Category I nonfriable ACM and containing greater than one percent (1%) asbestos as determined using the methods specified in 40 CFR Part 763, Appendix E, Subpart E, or an accepted equivalent.
20. "Clean room" - An uncontaminated area or room that is part of the decontamination enclosure system and that has provisions for storage of street clothing and protective equipment.
21. "Clearance monitoring" - Area air sampling performed using SC DHEC accepted aggressive clearance sampling techniques to determine the airborne concentrations of residual fibers upon conclusion of asbestos abatement.
22. "Contractor" - Any individual, partnership, corporation or other business concern that performs asbestos abatement but is not a permanent employee of the facility owner.
23. "Control measure" - Use of amended water, negative pressure differential equipment, encapsulant, high efficiency particulate air filtration device, glove bag or other state-of-the-art equipment designed to prevent fiber release into the air.
24. "Critical barrier" - At minimum, two independent layers of 6-mil plastic sheeting applied to any opening into a work area in a manner that creates a leak-tight seal within the work area to isolate vents, windows, doors, switches, outlets, and any other cavity or opening to the contaminated work area.
25. "Cut" - To penetrate with a sharp-edged instrument. This includes sawing, but may not include shearing, slicing, or punching.
26. "Decontamination enclosure system" - An enclosed area adjacent and connected to the regulated work area consisting of an equipment room, shower area, and clean room, each separated by airlocks, that is used for the decontamination of employees, materials, and equipment that are contaminated with asbestos.
27. "Demolition" - Wrecking or taking out any load-supporting structural member of a facility together with any related handling operations, the burning of any facility, or moving of a structure.
28. "SC DHEC" - The South Carolina Department of Health and Environmental Control.
29. "Encapsulation" - A form of abatement involving the treatment of regulated asbestos-containing material (RACM) with a liquid that covers the surface with a protective coating (bridging) or embeds fibers in an adhesive matrix (penetrating) to prevent the release of asbestos fibers.

30. "Enclosure" - A form of abatement involving placement of a leak-tight, impermeable, permanent barrier to prevent access to regulated asbestos-containing material and to prevent the release of asbestos fibers.
31. "EPA" - United States Environmental Protection Agency.
32. "Equipment room" - A contaminated area or room that is part of the decontamination enclosure system and that has provisions for the storage of contaminated clothing and equipment.
33. "F/cc" - Fibers per cubic centimeter.
34. "Friable" - Refers to ACM, which may, when dry, be crumbled, pulverized, or reduced to powder by the forces expected to act upon it in the course of demolition or renovation operations. This also refers to previously non-friable ACM after such material becomes damaged to the extent that when dry, can be or has been crumbled, pulverized, or reduced to powder.
35. "Friable asbestos containing material" - Any material that, when dry, can be or has been crumbled, pulverized, or reduced to powder and contains greater than one percent (1%) asbestos as determined using the method specified in 40 CFR Part 763, Appendix E, Subpart E, as amended, or an accepted equivalent.
36. "Goose neck" - Process for sealing the outer bag by twisting the opening of the bag, folding twisted portion of bag over, and creating a loop. Adequately secure the opening of the bag to the base of the twist, using duct tape.
37. "Glovebag" - A sealed compartment with attached inner gloves used for the handling of asbestos containing materials. Information on glovebag installation, equipment and supplies, and work practices is contained in the Occupational Safety and Health Administration's (OSHA's) final rules on occupational exposure to asbestos, 29 CFR 1926.1101 (August 10, 1994), as amended, and any subsequent amendments or editions.
38. "HEPA filter" - A high efficiency particulate air filter that will capture particles with an aerodynamic diameter of 0.3 micrometers with a minimum efficiency of 99.97 percent.
39. "Homogeneous area" - Area of surfacing material, thermal system insulation material, or a miscellaneous material that is uniform in color or texture.
40. "HVAC" - Heating, ventilation, and air conditioning.
41. "In poor condition" - Refers to any ACM where the binding of the material is losing its integrity as indicated by peeling, cracking, or crumbling of the material.
42. "Installation" - Any building or structure or any group of buildings or structures at a single demolition or renovation site that are under the control of a single owner or operator (or of owners or operators under common control).
43. "Leak-tight" - Dust, solids, or liquids cannot escape or spill out.
44. "License" - A document issued by SC DHEC that allows an asbestos abatement contractor, building inspector, project designer, management planner, air sampler, supervisor, worker, or other to engage in asbestos projects.
45. "Manometer" - Instrument for the measurement of gas pressure whose units are represented in inches of water column.
46. "Minor project" - A project where 25 or fewer square or linear feet of regulated asbestos-containing material (RACM) are removed, or where 10 or fewer cubic feet of RACM off a facility component are cleaned up.
47. "Movable object" - A structure within the work area that can be moved (e.g., chair, desk, etc.).

48. “Negative pressure differential equipment” - A portable exhaust system equipped with a HEPA filter.
49. “NESHAP” - National Emission Standards for Hazardous Air Pollutants, 40 CFR 61, Subpart M, February 3, 1994, as amended, and any subsequent amendments or editions.
50. “NESHAP project” - An asbestos project which involves at least 160 square feet or 260 linear feet of regulated asbestos containing material (RACM), or 35 or more cubic feet of RACM off a facility component such that the area or length could not be measured prior to abatement. If several contemporaneous projects in the same area within the same building being performed by the same contractor are smaller than 160 square or 260 linear feet individually but add up to that amount, then the combination of the smaller projects shall be considered one NESHAP project.
51. “NIOSH” - National Institute for Occupational Safety and Health.
52. “OSHA” - Occupational Safety and Health Administration.
53. “Owner/operator” - Any person or contractor who owns, leases, operates, controls, or supervises a facility being demolished or renovated, or any person who operates, controls, or supervises the demolition or renovation operation, or both.
54. “Owner’s representative” - A licensed supervisor, management planner, project designer, or air sampler designated by the facility owner to manage the asbestos project, and who serves to ensure that abatement work is completed according to specification and in compliance with all relevant statutes and regulations.
55. “Personal air sampling” - A method used to obtain an index of an employee’s exposure to airborne fibers. Samples are collected outside the respirator in the worker’s breathing zone.
56. “Project designer” - A person licensed by SC DHEC who is directly responsible for planning all phases of an asbestos abatement project design from project site preparation through complete disassembly of all abatement area barriers.
57. “Regulated area” - An area established by the owner/operator of an asbestos project to demarcate areas where asbestos abatement activities are conducted; any adjoining area where debris and waste from such asbestos work is stored; and any work area within which airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed, the permissible exposure limit.
58. “Regulated asbestos-containing material (RACM)” - (a) Friable asbestos-containing material; (b) Category I nonfriable ACM that has become friable; (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, drilling, or abrading; or (d) Category II nonfriable ACM that is likely to become 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.
59. “Removal” - Taking out RACM or facility components that contain or are covered with RACM from any facility.
60. “Renovation” - Altering a facility or one or more facility components in any way, including the stripping or removal of RACM from a facility component. Operations in which load-supporting structural members are wrecked or taken out are demolitions.
61. “Repair” - Returning damaged asbestos-containing material to an undamaged condition or to an intact state so as to prevent fiber release.
62. “Shower room” - A room located between the clean room and the equipment room in the decontamination enclosure system containing a shower with hot and cold or warm running water controllable at the tap.

63. “Start date” - The date printed on SC DHEC-issued asbestos abatement project license, which indicates when asbestos renovation or demolition operations, including any abatement activity having the potential to disturb RACM, will begin.
64. “Strip” - To remove RACM from any part of a facility or facility component.
65. “Structures per square millimeter” - Reporting measure for Transmission Electron Microscopy (TEM) Analysis. TEM clearance requires fewer than 70 structures per square millimeter (70s/mm<sup>2</sup>).
66. “Supervisor” - A person licensed by SC DHEC and designated as the contractor’s representative to provide direct on-site supervision and guidance to workers engaged in abatement of RACM.
67. “Surfactant” - A chemical wetting agent added to water to improve penetration, such as a non-sudsing detergent.
68. “Variance” - Written SC DHEC approval for the use of alternative work practices at an asbestos project.
69. “Visible emissions” - Any emissions that are visually detectable without the aid of instruments that originate from RACM or asbestos-containing waste material or a regulated work area.
70. “Waste shipment record” - The shipping document, required to be originated, prepared, and signed by the waste generator, used to track and substantiate the disposition of asbestos-containing waste material.
71. “Wet cleaning” - The process of removing asbestos contamination from facility surfaces and objects by using cloths, mops, or other cleaning tools that have been dampened with amended water.
72. “Work area” - Designated rooms, spaces, or areas in which asbestos abatement activities are to be undertaken, or that may be contaminated as a result of such abatement activities.
73. “Worker” - A person licensed by SC DHEC to perform asbestos abatement under the direct guidance of an accredited and licensed supervisor.
74. “Working day” - Monday through Friday, including holidays that fall on any of the days Monday through Friday.

## 5.0 PROJECT COORDINATION

### 5.1 Action Plan

- A. Coordinate with OWNER/CONSULTANT to determine availability of facilities.
- B. Schedule abatement operations in the sequence required to obtain the best results where execution of one part of the Work depends on execution of other components, before or after its own execution.
- C. Where necessary, prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as SC DHEC notifications, surveys, notices, reports, CONTRACTOR lists, work schedules, and attendance at meetings.
- D. Prepare a plan of the procedures proposed for use in complying with the requirements of this specification. Include in the plan the location and layout of decontamination areas, the sequencing of asbestos work, and methods used to assure the safety of workers and visitors to the site. A disposal plan should include the location of the approved disposal site, a detailed description of the methods to be employed to control pollution, methods of removal to prohibit visible emissions, and packaging of removed asbestos debris.

### 5.2 Project Directory

- A. Develop and post a directory of all entities involved in the project. Include the CONTRACTOR'S principal staff assignments, including the Superintendent and other personnel in attendance at the site. Identify individuals, their duties and responsibilities. List business name, contact person, normal business and emergency telephone, pager and fax numbers, and addresses of:
  - 1. CONTRACTOR'S general superintendent, supervisory personnel, and CONTRACTOR'S home office
  - 2. Emergency services including but not limited to fire, ambulance, doctor, hospital, police, power company, telephone company, water company
  - 3. Local, state, and federal agencies with jurisdiction over the project.

### 5.2 Miscellaneous

- A. Workers are to dress appropriately when out of the construction area and in view of the public (e.g. street clothing unless involved in asbestos abatement activities). Workers are to decon and change into street clothes prior to exiting the sight barriers. Respirators shall remain in bags when not in use.
- B. No flames or flammable materials are to be used or brought into buildings. Solvents for the removal of resilient floor covering cutback adhesives must have a flashpoint greater than 140 degrees Fahrenheit.
- C. All electrical equipment shall utilize ground fault circuit interrupters (GFCI).
- D. The CONTRACTOR shall ensure an adequate number of fire extinguishers are on-site. A minimum of one fire extinguisher with a National Fire Protection Association rating of 10BC (dry chemical) shall be placed in each per 3,000 square feet of containment space or fraction thereof, of containment area. Each fire extinguisher shall be maintained in a fully charged and operable condition.
- E. SC DHEC licenses and accreditations, current fit test certification, current training/refresher certificates and medical surveillance documentation for each worker involved in the abatement work must be on-site and made available for review to the CONSULTANT and SC DHEC upon request.



## 6.0 SUBMITTALS

- A. Have a complete bound set of pre-job submittals prior to the start of work. Work is prohibited until submittal package has been reviewed and approved by the PROJECT DESIGNER or their Designee. A copy of the approved submittals shall be kept in a 3-ring binder (project log) by the CONTRACTOR at the project site in the Clean Room or in the on-site office of the CONTRACTOR.
1. Notifications: Where applicable, provide copies of the Asbestos Permit application and the notification for Demolition/Renovation, which provide written notice to all required agencies, including SC DHEC.
  2. Employee List: Provide copies of lists of Supervisors and Workers, along with their accreditation/license numbers.
  3. Medicals: Provide copies of current medical information indicating the employee has been medically cleared to wear respirator and perform the work outlined herein.
  4. Respirator Training: Copies of the most recent fit testing records, individually signed for each worker to be utilized on the project.
  5. Project schedule: Time schedule for the project, outlining the proposed start date, working hours and expected completion date.
  6. Initial Exposure Assessment: As required by the OSHA construction asbestos standard 29 CFR 1926.1101.
- B. Submit the following to the CONSULTANT upon the completion of the project:
1. All asbestos waste manifests within five (5) days of receipt from the landfill if not previously submitted.
  2. Copy of all notes, logs and reports maintained or prepared by the CONTRACTOR'S security personnel within five (5) days of project completion if not previously submitted.
- C. Emergency telephone numbers for the local fire department, police department, and emergency medical services shall be posted at the entrance to the Clean Room.

## 7.0 AIR MONITORING AND TEST LABORATORY SERVICES

### A. QUALITY ASSURANCE

1. All environmental baseline and daily air monitoring will be performed in accordance with the procedures outlined in the latest edition of the National Institute for Occupational Safety and Health (NIOSH) 7400 Method and guidelines issued by Environmental Protection Agency regarding detection limits.

### B. The OWNER has contracted CONSULTANT to perform all required perimeter and area air monitoring during the abatement process.

### C. Samples shall be collected during abatement according to the following schedule: Background samples in the abatement area shall be collected prior to the CONTRACTOR starting. Daily air samples shall be collected during each 8-hour work shift. The daily air samples shall be collected a minimum 2.5-hours of every 4-hours worked, and not to exceed 4-hour intervals. Clearance samples shall only be collected after the area has passed final visual inspection by the Air sampler.

### D. The CONTRACTOR shall be responsible for personnel monitoring of his employees as regulated by OSHA 1926.1101 and must be conducted by SC DHEC licensed personnel.

### E. PHASE CONTRAST MICROSCOPY (PCM)

In each homogeneous Work Area or as required by the CONSULTANT, a **minimum of five (5) PCM samples will be taken and analyzed as a baseline** prior to the CONTRACTOR's mobilization to the site. PCM air samples both inside and outside of the work area will be obtained daily throughout the duration of the abatement to ensure public air space meets SC DHEC criteria. If baseline samples cannot be collected for any reason, they will be assumed to be Zero (0).

The number and volume of air samples taken and analytical methods used by CONSULTANT for sampling will generally be as follows:

Location Sampled	Scheduled Number of Samples	Minimum Volume (Liters)	Filter Media
Inside Work Area (Initial Baseline)	5	1,200	Mixed Cellulose Ester
Outside Work Area (Daily)	4	1,200	Mixed Cellulose Ester
Inside Work Area (Clearance)	5	1,200	Mixed Cellulose Ester

Clearance sampling, as detailed in AHERA consists of: five (5) clearance samples inside the work area plus one (1) field blank inside the work area; five (5) clearance samples outside the work area plus one (1) field blank outside the work area; plus, one (1) trip blank.

Clearance samples outside the work area and the field blank sample outside the work area will not be collected and will be assumed to be Zero (0). The trip blank sample will also be assumed to be Zero (0).

Clearance samples shall be by PCM analysis and verbal results will be available within 24 hours of completion of clearance sampling. Upon completion of the project, CONSULTANT will provide OWNER and CONTRACTOR a written report detailing the air sampling results. The written report will be available within five (5) business days.

Analysis: Asbestos fibers on each 0.8-micron filter will be measured using analysis per NIOSH 7400 counting rules A.

Release Criteria: Decontamination of the project is complete as determined by the analytical protocol if each of the Work Area samples is below 0.01 fibers/cubic centimeter or (f/cc) 70 (structures) f/mm<sup>2</sup> (if TEM analysis is required). If the analysis of the Work Area samples fails to meet the release criteria, then the CONTRACTOR must cease demolition activities and reassess their abatement to bring the fiber count to below 0.01 f/cc or 70 structures/mm<sup>2</sup>.

The CONTRACTOR is cautioned, however, that should interpretations be made, opinions be formed and conclusions be drawn as a result of examining the test results, these interpretations, opinions and conclusions will be those made, formed and drawn solely by the CONTRACTOR. The CONTRACTOR is responsible for performing air tests required for its evaluation of the safety of its employees.

## 8.0 REGULATED AREAS

### Securing Work Area

- A. Secure work area from access by non-authorized personnel. Accomplish this, where possible, by constructing temporary barriers with signs and warning tape.

### Demarcation of Regulated Area (Refer to Section 4.0)

Demarcate the Regulated Area with signs and barrier tape. Configure the Regulated Area to minimize the number of persons within the area and to protect persons outside the area from exposure to airborne concentrations of asbestos. Establish sight barriers utilizing black plastic sheeting inside the Regulated Area and post the Asbestos Signs so that they are out of public view.

- A. SIGNS
  1. Signs must be posted (in both English and Spanish) at all entrances to the Regulated Area, at least 20" x 14", with the legend:

**DANGER  
ASBESTOS  
MAY CAUSE CANCER  
CAUSES DAMAGE TO LUNGS  
AUTHORIZED PERSONNEL ONLY  
RESPIRATORS AND PROTECTIVE CLOTHING  
ARE REQUIRED IN THIS AREA**
- B. Post warning signs at each side of the building.
- C. Barrier tape must be used to establish the Regulated Area. Delineate the area with 3-inch wide polyethylene ribbon printed with the warning "CAUTION ASBESTOS REMOVAL". Install at a height of between three and four feet above the floor or ground level. The controlled access points shall be clearly marked with the signs required as noted above.
- D. General procedures
  1. Management of the Regulated Area is to be under the supervision of an OSHA Competent Person as described in Project Coordination.
  2. Do not allow eating, drinking, smoking, chewing tobacco or gum, or applying cosmetics in the Regulated Area.
  3. Before start of work, comply with requirements for worker protection in Respiratory Protection Section.

## 9.0 RESPIRATORY PROTECTION

### General Requirements

Instruct and train each worker involved in asbestos abatement/demolition in proper respirator use and require that each worker always wear a respirator, properly fitted on the face in the Regulated Area from the start of any operation which may cause airborne asbestos fibers until the Regulated Area is completely decontaminated. Use respiratory protection appropriate for the fiber level encountered in the work place or as required for other toxic or oxygen-deficient situations encountered. Respiratory protection will not be required during preparation of the Negative Pressure Enclosures and Regulated Areas. Minimum respiratory protection will be half-face air-purifying respirators equipped with HEPA cartridges.

### Standards

Except to the extent that more stringent requirements are written directly into the Contract Documents, the following regulations and standards have the same force and effect (and are made a part of the Contract Documents by reference) as if copied directly into the Contract Documents, or as if published copies were bound herewith. Where there is a conflict in the regulations and standards, the more stringent requirement must be met.

1. SC DHEC REGULATION 61-86.1, STANDARDS OF PERFORMANCE FOR ASBESTOS PROJECTS
2. OSHA - U.S. Department of Labor Occupational Safety and Health Administration, Safety and Health Standards 29 CFR 1910, Section 1001 and Section 134 and 29 CFR 1926.1101.
3. ANSI - American National Standard Practices for Respiratory Protection, ANSI Z88.2-1990.
4. NIOSH - National Institute for Occupational Safety and Health

**Non-permitted respirators - Do not use single use, disposable or quarter face respirators.**

## 10.0 MATERIALS AND EQUIPMENT

### Utilities

- A. The CONTRACTOR shall supply electricity (110V) and potable water.
- B. The CONTRACTOR shall supply GFCI for all electrical circuits.

### Tools and Equipment

- A. Respirators
  - 1. Respiratory protection will not be required during preparation of NPE's or Regulated Areas.
  - 2. Minimum respiratory protection will be half-face air-purifying respirators equipped with HEPA cartridges.
  - 3. All respirators must be NIOSH approved.
- B. Protective clothing shall meet or exceed minimum protective clothing requirements of Title 29 CFR 1926.1101 and include full body disposable coveralls, disposable hood (separate or integral to coverall) and foot coverings (reusable footwear, 18-inch high boot type disposable foot coverings or foot coverings integral to coverall).
- C. Decontamination system for non-friable removals shall be 6-mil poly on the floor outside the enclosure (regulated area). Decontamination system for friable removals shall consist of a "clean room", a "shower room", and an "equipment room". Each room shall be separated from each other and the work area by a "Z" flap airlock (or non-friable materials that are rendered friable).
- D. Filtration systems for drain lines from showers or other water sources carrying asbestos contaminated water shall have disposable type primary and secondary filters and, if necessary, sump pump. Primary filter shall pass particles 20 microns and smaller; secondary filters, 5 microns and smaller.
- E. Miscellaneous Equipment
  - 1. Low pressure sprayer for amended water applications.
  - 2. First Aid Kit must be on-site and available at the clean room.

### Materials

- A. For wetting prior to disturbance of Asbestos-Containing Materials, use either amended water or a removal encapsulant.
  - 1. Amended water must result in the retardation of fiber release equal to or greater than that provided by the use of one ounce of a surfactant consisting of 50% polyoxethylene ester and 50% polyoxyethylene ether mixed with five gallons of water.
  - 2. Encapsulant shall be penetrating or bridging type designed to provide the same retardation of fiber release as the amended water in the above.
- B. Polyethylene sheeting shall be 'true' 6-mil OR with a dart impact of 270 grams, tear resistance of 512 grams, and transverse direction of 2067 grams (check manufacturer's specifications). Wall polyethylene sheeting must be 'true' 4 mil OR the equivalent dart impact. Width of sheeting must be the largest size possible to minimize seams, clear, frosted or black, as indicated. Disposal bags must meet the 'true' 6-mil requirement for disposal of ACM. Manufacturer's specifications must be on-site for any other thickness that 'true' 6-mil poly.
- C. Duct tape in 2" or 3" widths and spray cement formulated to stick aggressively to polyethylene sheeting.

## 11.0 WORK AREA CLEAN UP AND VERIFICATION

- A. Provide general clean-up of work area concurrent with the removal of all asbestos-containing materials. Do not permit accumulation of debris.

## 11.1 REMOVAL OF ASBESTOS-CONTAINING MATERIAL

### Removal

Remove and properly dispose of all asbestos containing materials as specified in the Contact Documents in accordance with the methods and procedures outlined in the OSHA 29 CFR 1926.1101, 40 CFR Part 763, and 40 CFR 61, Subpart M, February 3, 1994, as amended, and any subsequent amendments or editions.

Maintain exposure levels below 0.1 fibers per cubic centimeter (f/cc) regardless of respiratory protection provided. The CONSULTANT'S PROJECT MANAGER reserves the right to order a cease in abatement activity should fiber counts exceed the PEL or visible emissions are observed until control measures are implemented to reduce fiber levels below the PEL and/or eliminate visible emissions.

- A. **Removal of ACM utilizing Enclosures (Class I Work, Interior, Full Containment).**

The CONTRACTOR shall:

Seal each opening between the work area and uncontaminated areas including windows, doorways, elevator openings, corridor entrances, drains, ducts, electrical outlets, grills, grates, diffusers, and skylights with a critical barrier consisting of at least two independent sheets of 6-mil or thicker polyethylene sheeting secured in place. These critical barriers must be maintained leak-tight for the duration of asbestos abatement.

Thoroughly clean and remove all movable objects from the work area.

Thoroughly clean, then cover and secure each non-movable object in the work area with at least one sheet of 4-mil or thicker polyethylene sheeting.

Use polyethylene sheeting to isolate contaminated from uncontaminated areas, and ensure the sheeting is attached securely in place and properly maintained at all times.

Prevent contamination of carpet with ACM, or dispose of the carpet as asbestos-contaminated waste.

Cover floors not being abated with at least two layers of 6-mil or thicker polyethylene sheeting. Floor sheeting shall be installed first and shall extend at least 12 inches up the walls and be taped into place. No seams shall be located at wall/floor joints. Spray-applied polyethylene coating shall not be used.

Cover walls and ceilings not being abated with at least one sheet of 4-mil or thicker polyethylene sheeting. Wall sheeting shall be installed to minimize joints and shall extend at least six inches beyond wall/floor joint and be taped into place. Ceiling sheeting shall extend at least 12 inches down the wall and be sized and taped into place. No seams shall be located at wall/ceiling or wall/wall joints.

Construct a decontamination enclosure system adjoining the contained work area. The decontamination enclosure shall be built in a manner that will prevent track-out of RACM, and shall consist of: a clean room equipped with appropriate storage containers and adequate space for changing clothing; an air lock; a shower room containing hot and cold or warm running water controllable at the tap; and an equipment room suitable for storage of tools and equipment.

Construct a clear viewing port measuring at least 24 inches by 24 inches in an external wall of the contained work area to allow unobstructed observation of abatement activities in the work area.

Operate negative pressure differential equipment with HEPA filtration continuously from the time that barrier construction is completed through the time that acceptable final clearance air monitoring results are obtained.

The CONTRACTOR shall have the appropriate number of negative air machines to exchange the air inside the containment 4 times per hour and to maintain a minimum of -0.02 column inches of water pressure differential, relative to outside pressure as verified and recorded by a manometer.

Additional air filtration devices shall be provided inside the work area for emergency standby as well as for circulation of dead air spaces.

Prior to removal, all RACM is thoroughly wet through to the substrate using amended water and shall remain wet until disposed of in accordance with 40 CFR 61.150, as amended, and any subsequent amendments and editions.

For friable TSI pipe insulation materials, the CONTRACTOR shall construct one (1) glovebag per area/item to be abated. At least two workers shall perform glovebag removal operations. Workers shall dress in two (2) layers of disposable coveralls. Each glovebag shall be made of 6-mil thick plastic and shall be seamless at the bottom. Each glovebag shall be installed so that it completely covers the circumference of object or other structures where the work is to be performed. Each glovebag shall be smoke-tested for leaks and any leaks sealed prior to use. A glovebag shall be used only once and may not be slid or moved. Each glovebag shall not be used on surfaces whose temperature exceeds 150 degrees Fahrenheit. Prior to disposal, each glovebag shall be collapsed by removing air within it using a HEPA vacuum.

Carefully lower RACM to the ground or floor, not dropped or thrown; and at no time shall RACM be allowed to accumulate or become dry.



Polyethylene bags of at least 6-mil thickness shall be used for waste, bags shall be leak-tight. Excess air (gooseneck) shall be removed from bags prior to sealing using a vacuum equipped with a HEPA filtration system in accordance with OSHA regulation 29 CFR 1926.1101, as amended, and any subsequent amendments and editions.

ACM from within the work area is not permitted outside of the work area except in sealed leak-tight containers.

Any person exiting or any equipment or machinery being removed from the contaminated work area shall be thoroughly decontaminated. If equipment or machinery is not or cannot be thoroughly decontaminated, it shall be sealed in leak-tight containers. No visible residue shall appear on the outside surface of the container.

Following abatement, a visual inspection of the abated substrate is performed. Upon passing the visual inspection, a coating of a compatible encapsulating agent is applied to porous surfaces that have been stripped and cleaned of ACM. The encapsulant must be allowed to thoroughly dry prior to additional cleaning or final air clearance.

If there is any evidence of contamination, the CONTRACTOR shall perform additional wet cleaning and HEPA vacuuming.

All polyethylene sheeting, except for critical barriers and the decontamination enclosure system, is removed and disposed of as asbestos-contaminated waste.

With only the critical barriers and decontamination enclosure system left in place, the entire work area, including any duct work, is wet-cleaned and HEPA vacuumed until no visible residue remains.

Daily air monitoring and clearances shall be performed.

Areas exceeding clearance standards are re-cleaned by the contractor using wet methods and HEPA vacuuming. Re-cleaning, drying, and retesting shall be repeated until the satisfactory clearance standard is achieved. The CONTRACTOR shall bear the costs of additional clearance testing.

Following satisfactory clearance of the work area, remaining polyethylene critical barriers and decontamination enclosure systems are removed and disposed of as asbestos-contaminated waste.

The CONTRACTOR may choose to remove any other Class II friable or non-friable ACM (flooring, mastic and carpets) inside the Class I containment as friable.

## **B. Removal of ACM (Class II Work, Exterior).**

The CONTRACTOR shall:

Remove the ACM in a non-friable manner. All ACM once removed shall be: thoroughly wet during stripping or removal and shall remain wet until disposed of, carefully lowered to the ground or floor, not dropped or thrown, and at no time shall the ACM to accumulate or become dry.

Detach and wet clean removable electrical, heating, and ventilating equipment and other items which may be connected to asbestos surfaces.

Remove existing filters from the HVAC system and dispose of as asbestos-contaminated waste.

Thoroughly clean and remove all movable objects from the work area.

Thoroughly clean, then cover and secure each non-movable object in the work area with at least one sheet of 4-mil or thicker polyethylene sheeting.

Use polyethylene sheeting to isolate work areas from non-work areas, and ensure the sheeting is attached securely in place and properly maintained at all times.

Prevent contamination of carpet with ACM, or dispose of the carpet as asbestos-contaminated waste.

Assure that ACM from within the work area is not permitted outside of the work area except in sealed leak-tight containers.

Assure that any person exiting or any equipment or machinery being removed from the contaminated work area shall be thoroughly decontaminated. If equipment or machinery is not or cannot be thoroughly decontaminated, it shall be sealed in leak-tight containers. No visible residue shall appear on the outside surface of the container.

Assure that all polyethylene sheeting is removed and disposed of as asbestos-contaminated waste.

Assure that, if there is any evidence of contamination, the CONTRACTOR shall perform additional wet cleaning and HEPA vacuuming.

Assure that areas exceeding clearance standards are re-cleaned by the contractor using wet methods and HEPA vacuuming. Re-cleaning, drying, and retesting shall be repeated until the satisfactory clearance standard is achieved. The CONTRACTOR shall bear the costs of clearance testing.

Assure that, following satisfactory clearance of the work area, remaining polyethylene sheeting is removed and disposed of as asbestos-contaminated waste.

Clearance shall consist of visual observation, followed by a clearance air monitoring test.



## **12.0 DISPOSAL OF ASBESTOS-CONTAINING WASTE MATERIAL**

- A. Dispose of ACM and used plastic sheeting, tape, cleaning materials and disposable protective clothing as asbestos waste materials.
- B. Waste must be loaded, stored and transported in a 6 mil, poly-lined, rigid top truck or dumpster which can be locked or guarded from unauthorized access. Dumpster will remain closed and locked when not in use.
- D. Prepare for each load a SC DHEC Asbestos Waste Manifest and obtain signature on the waste manifest from the CONSULTANT'S PROJECT MANAGER prior to transporting waste.
- E. Dispose of asbestos waste in landfills approved by the EPA and/or the state as authorized disposal facilities for asbestos and operating in compliance with Title 40 CFR 61.156 at the time of disposal.
- F. Transport waste, accompanied by manifest, to an approved waste site for disposal as asbestos waste and provide the CONSULTANT'S PROJECT MANAGER a copy of manifest signed by the waste disposal facility representative.

## **Asbestos Inspection**



**AHERA/NESHAP ASBESTOS INSPECTION REPORT  
OLD HIGH SCHOOL FOOTBALL STADIUM  
WALTERBORO, SC**

**CLIENT:**

*Colleton County  
113 Mable T. Willis Boulevard  
Walterboro, SC 29488*

**LOCATION:**

*514 Black Street  
Walterboro, SC 29488*

**DATE(S) OF INSPECTION:**

*October 17, 2019*

**DATE OF REPORT:**

*October 28, 2019*

**PREPARED BY:**

*David Lago  
Environmental Staff Professional*

*SUMMIT Engineering, Laboratory and Testing, P.C. (SUMMIT)  
1539 Meeting Street - Suite A  
Charleston, South Carolina 29405  
(843) 606-6268*

SUMMIT Job No. 5817.500

**AHERA/NESHAP ASBESTOS INSPECTION REPORT**

**Old High School Football Stadium  
514 Black Street, Walterboro, SC 29488**

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## 1.0 REPORT CERTIFICATION

SUMMIT is pleased to provide environmental consulting services for Colleton County. Please contact this office at (843) 606-6268 with any questions or comments regarding the findings submitted in this report.

This document, entitled *AHERA/NESHAP Asbestos Inspection Report*, was prepared for Colleton County and the South Carolina Department of Health and Environmental Control (SCDHEC) with sound practices and procedures and in accordance with Asbestos Hazard Emergency Response Act (AHERA), Title II of the Toxic Substance Control Act (TSCA), SCDHEC Regulation 61-86.1, 40 CFR 61, and 40 CFR 763 for Asbestos Containing Materials (ACM) guidance. The results obtained by the work documented in this report fulfill the requirements of federal, state, and local regulations regarding Asbestos Containing Materials.



10/28/19

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David P. Lago

Date

SC DHEC AHERA Asbestos Air Sampler No. AS-00551  
Expiration Date: April 3, 2020

SC DHEC AHERA Asbestos Supervisor No. SA-02985  
Expiration Date: April 3, 2020

SC DHEC AHERA Asbestos Management Planner No. MP-00262  
Expiration Date: April 4, 2020

SC DHEC AHERA Asbestos Project Designer No. PD-00202  
Expiration Date: April 2, 2020

SC DHEC AHERA Asbestos Building Inspector No. BI-01697  
Expiration Date: April 4, 2020

## 2.0 EXECUTIVE SUMMARY

On October 17, 2019, SUMMIT Engineering, Laboratory and Testing, P.C. (SUMMIT) performed an AHERA/NESHAP Asbestos Inspection for the Old High School Football Stadium located at 514 Black Street in Walterboro, South Carolina.

There is a total of seven (7) structures at the site address. The structures are part of a former school athletics complex. The structures are expected to be renovated or demolished.

The purpose of this inspection was to investigate available records for the specification of ACM (Asbestos Containing Materials), inspect for suspect materials, sample and analyze suspect materials to test for asbestos, and assess the condition and location of the ACM and other characteristics of the structure.

A homogeneous material is a material that appears to be uniform when properties such as age, color, and texture are compared. There were approximately fourteen (14) homogeneous suspect materials observed on the structures. The homogeneous areas are described in detail in section 3.0 of this report.

### STADIUM

**No ACMs were identified within this area during the course of inspection.**

### FIELD HOUSE

#### **FH-WBCL-1 THROUGH FH-WBCL-5**

**The wallboard/joint compound system is located as the ceiling throughout the area. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 2% Chrysotile and there is approximately 2500 square feet of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.**

### CONCESSIONS STAND

**No ACMs were identified within this area during the course of inspection.**

### PRESS BOX

#### **PB-CS-1, PB-CS-2 AND PB-CS-3**

**The cementitious siding panels are located on the exterior of the Press Box. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 10% Chrysotile and there is approximately 1000 square feet of the material. The material is classified as miscellaneous. The sample**

**analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.**

**STORAGE SHED**

**No ACMs were identified within this area during the course of inspection.**

**TICKET BOOTHS**

**No ACMs were identified within this area during the course of inspection.**

### 3.0 SUSPECT MATERIALS

#### I. STADIUM:

##### 3.1 Ceiling Tile

###### ST-CT-1, ST-CT-2 AND ST-CT-3

The 2x4 ceiling tile is located in portions of the area. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

##### 3.2 Wallboard System

###### ST-WB-1 THROUGH ST-WB-5

The wallboard/joint compound system is located in a portions of the area. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

##### 3.3 Baseboard

###### ST-BB-1, ST-BB-2 AND ST-BB-3

The baseboard/mastic is located in portions of the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

##### 3.4 Cinder Block

###### ST-CB-1, ST-CB-2 AND ST-CB-3

The cinder block is located throughout the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

#### II. FIELD HOUSE:

##### 3.5 Plaster

###### FH-PLAS-1 THROUGH FH-PLAS-5

The plaster system is located as the ceiling in portions of the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Material (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### 3.6 Wallboard System

#### **FH-WBCL-1 THROUGH FH-WBCL-5**

**The wallboard/joint compound system is located as the ceiling throughout the area. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 2% Chrysotile and there is approximately 2500 square feet of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.**

### 3.7 Carpet

#### **FH-CAR-1, FH-CAR-2 AND FH-CAR-3**

The carpet mastic is located in a portion of the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material contains <1% Chrysotile and there is approximately 120 square feet of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### 3.8 Cinder Block

#### **FH-CB-1, FH-CB-2 AND FH-CB-3**

The cinder block is located throughout the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### 3.9 Roofing

#### **FH-SR-1, FH-SR-2, AND FH-SR-3**

The asphalt roof shingles are located on the roof of the Field House. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in

Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### 3.10 Brick/Mortar

FH-BM-1, FH-BM-2, AND FH-BM-3

The brick/mortar is located on the exterior of the Field House. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

## III. CONCESSIONS STAND:

### 3.11 Cinder Block

CS-CB-1, CS-CB-2 AND CS-CB-3

The cinder block is located throughout the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

## IV. PRESS BOX:

### 3.12 Cementitious Siding

PB-CS-1, PB-CS-2 AND PB-CS-3

**The cementitious siding panels are located on the exterior of the Press Box. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 10% Chrysotile and there is approximately 1000 square feet of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.**

## V. STORAGE SHED:

### 3.13 Flooring

SH-SF-1, SH-SF-2 AND SH-SF-3

The sheet flooring/mastic is located throughout the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material

is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

## **VI. TICKET BOOTH**

### 3.14 Cinder Block

TB-CB-1, TB-CB-2 AND TB-CB-3

The cinder block is located throughout the area. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is not classified as Asbestos Containing Materials (ACM). The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

#### 4.0 SUSPECT MATERIAL QUANTITIES

Summary of Suspect Material Quantities:

SUSPECT MATERIAL	ACM? <sup>1</sup> (Y/N)	APPROXIMATE QUANTITY <sup>2</sup>
<b>I. STADIUM</b>		
CEILING TILE	N	800 SF
WALLBOARD/JOINT COMPOUND	N	3500 SF
BASEBOARD/MASTIC	N	350 LF
CINDER BLOCK	N	9000 SF
<b>II. FIELD HOUSE</b>		
PLASTER SYSTEM	N	3000 SF
<b>WALLBOARD/JOINT COMPOUND CEILING</b>	<b>Y</b>	<b>2500 SF</b>
CARPET MASTIC	N	120 SF
CINDER BLOCK	N	5000 SF
ASPHALT ROOF SHINGLES	N	4000 SF
BRICK/MORTAR	N	3000 SF
<b>III. CONCESSIONS STAND</b>		
CINDER BLOCK	N	2300 SF
<b>IV. PRESS BOX</b>		
<b>CEMENTITIOUS SIDING</b>	<b>Y</b>	<b>1000 SF</b>
<b>V. STORAGE SHED</b>		
SHEET FLOORING/MASTIC	N	100 SF
<b>VI. TICKET BOOTH</b>		
CINDER BLOCK	N	1200 SF

**Quantities: SF = Square Feet, LF = Linear Feet, CF = Cubic Feet**

Note 1: ACM = Material containing asbestos of any type, in an amount greater than 1%

Note 2: All quantities are estimated and should not be used for bidding purposes



## **5.0 CONCLUSIONS AND RECOMMENDATIONS**

On October 17, 2019, SUMMIT Engineering, Laboratory and Testing, P.C. (SUMMIT) performed an AHERA/NESHAP Asbestos Inspection for the Old High School Football Stadium located at 514 Black Street in Walterboro, South Carolina.

There is a total of seven (7) structures at the site address. The structures are part of a former school athletics complex. The structures are expected to be renovated or demolished.

### **STADIUM**

**No ACMs were identified within this area during the course of inspection.**

### **FIELD HOUSE**

#### **FH-WBCL-1 THROUGH FH-WBCL-5**

The wallboard/joint compound system is located as the ceiling throughout the area. The material is currently in good condition and is friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 2% Chrysotile and there is approximately 2500 square feet of the material. The material is classified as surfacing. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### **CONCESSIONS STAND**

**No ACMs were identified within this area during the course of inspection.**

### **PRESS BOX**

#### **PB-CS-1, PB-CS-2 AND PB-CS-3**

The cementitious siding panels are located on the exterior of the Press Box. The material is currently in good condition and is non-friable with a low potential for damage. The material was sampled and the results indicated that the material is classified as Asbestos Containing Materials (ACM). The material contains up to 10% Chrysotile and there is approximately 1000 square feet of the material. The material is classified as miscellaneous. The sample analysis of the material is enclosed in Appendix A. A detailed map showing the sampling locations can be found in SUMMIT Documentation.

### **STORAGE SHED**

**No ACMs were identified within this area during the course of inspection.**

### **TICKET BOOTHS**

**No ACMs were identified within this area during the course of inspection.**

If the structure is to be renovated or demolished, a copy of this report and a notification of demolition or renovation forms must be submitted to The South Carolina Department of Health and Environmental Control (SCDHEC) at least ten working days prior to these activities taking place.

Bidders are responsible for their own calculations and estimates of quantities. Actual quantities may be more or less than indicated. Though every effort was made to examine wall cavities and other areas for pipe insulation, spray-applied or trowel applied surfacing material or other miscellaneous materials and other Presumed Asbestos Containing Material (PACM), this survey and report only deals with accessible areas of the building. There may be additional inaccessible areas above ceiling, behind walls and below floors that become evident during demolition or renovation activities. If suspect materials are found, additional asbestos testing may be required.

## FIGURES

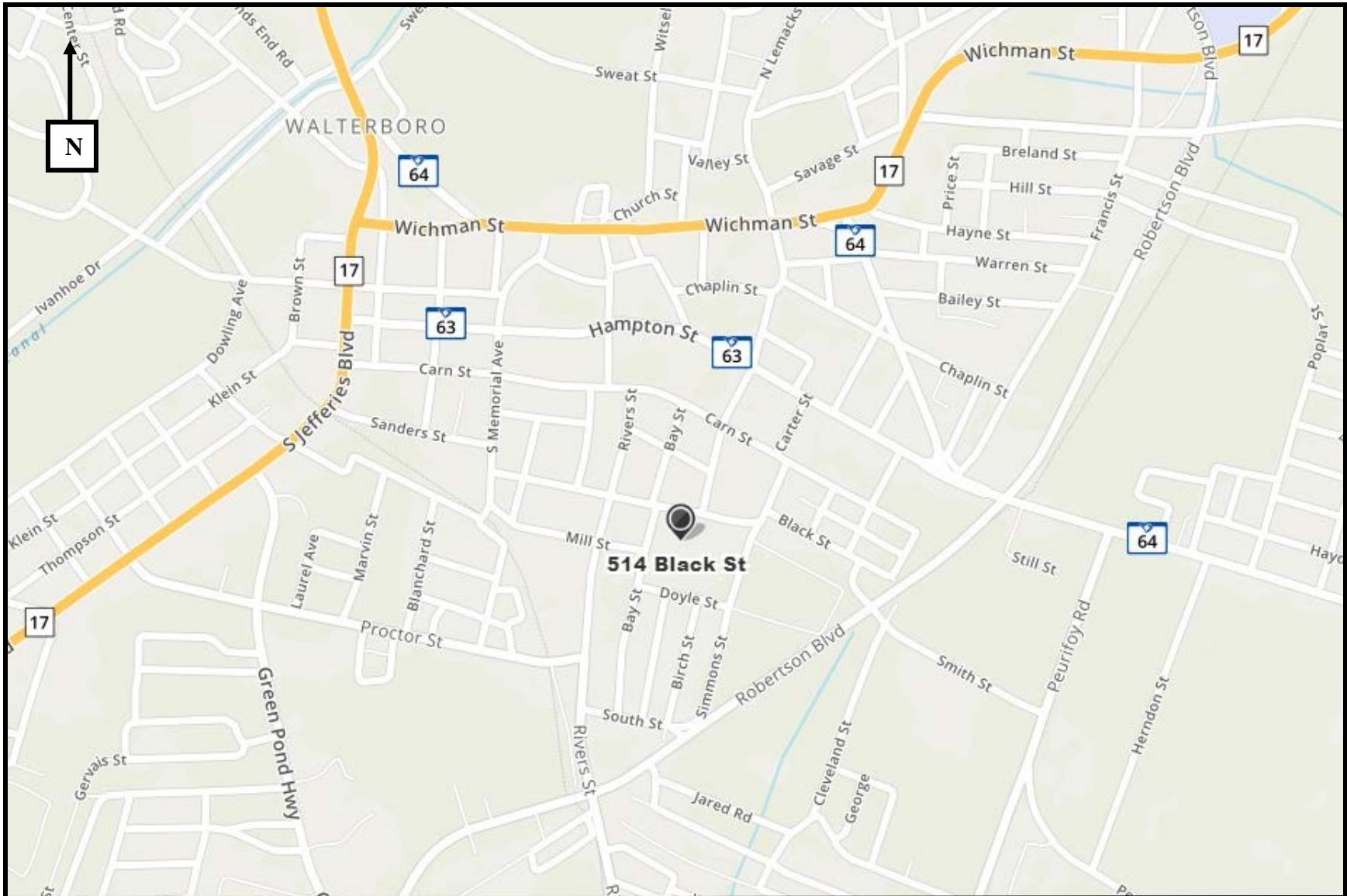


Figure 1  
Site Location Map

Old High School Football Stadium  
514 Black Street  
Walterboro, SC



**SUMMIT ELT, PC**

Project: 5817.500

## **APPENDIX A**

### **ANALYTICAL RESULTS**



## Asbestos Laboratory Report

Prepared for

**SUMMIT Engineering, Laboratory & Testing, P.C.**

**Project:** 514 Black Street

**Summit #:** 2019-10-18-5817.500

**Date Analyzed:** 10/18/2019

**Date Reported:** 10/25/2019

**Total Samples Analyzed:** 75

**# Samples >1% Asbestos:** 8

**Method of Analysis:** EPA 600 / R93 / 116



## Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715  
Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
Date Analyzed: 10/25/2019  
Date Reported: 10/25/2019

Project : 514 Black Street

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Asbestos
ST-CT-1 2019-10-18-5817.500-1	Stadium Ceiling Tile	Gray,White Fibrous Homogeneous	50% Cellulose 5% Mineral Wool	45% Non-fibrous (other)	None Detected
ST-CT-2 2019-10-18-5817.500-2	Stadium Ceiling Tile	Gray,White Fibrous Homogeneous	50% Cellulose 5% Mineral Wool	45% Non-fibrous (other)	None Detected
ST-CT-3 2019-10-18-5817.500-3	Stadium Ceiling Tile	Gray,White Fibrous Homogeneous	50% Cellulose 5% Mineral Wool	45% Non-fibrous (other)	None Detected
ST-WB-1-Wallboard 2019-10-18-5817.500-4	Stadium Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
ST-WB-1-Joint Compound 2019-10-18-5817.500-4A	Stadium Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-WB-2-Wallboard 2019-10-18-5817.500-5	Stadium Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
ST-WB-2-Joint Compound 2019-10-18-5817.500-5A	Stadium Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-WB-3-Wallboard 2019-10-18-5817.500-6	Stadium Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
ST-WB-3-Joint Compound 2019-10-18-5817.500-6A	Stadium Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-WB-4-Wallboard 2019-10-18-5817.500-7	Stadium Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (other)	None Detected
ST-WB-4-Joint Compound 2019-10-18-5817.500-7A	Stadium Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-WB-5-Wallboard 2019-10-18-5817.500-8	Stadium Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (other)	None Detected
ST-WB-5-Joint Compound 2019-10-18-5817.500-8A	Stadium Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-BB-1-Baseboard 2019-10-18-5817.500-9	Stadium Baseboard / Mastic	Blue Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected



## Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715  
 Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
 Date Analyzed: 10/25/2019  
 Date Reported: 10/25/2019

Project : 514 Black Street

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
ST-BB-1-Mastic 2019-10-18-5817.500-9A	Stadium Baseboard / Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-BB-2-Baseboard 2019-10-18-5817.500-10	Stadium Baseboard / Mastic	Blue Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-BB-2-Mastic 2019-10-18-5817.500-10A	Stadium Baseboard / Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-CB-1 2019-10-18-5817.500-11	Stadium Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-CB-2 2019-10-18-5817.500-12	Stadium Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ST-CB-3 2019-10-18-5817.500-13	Stadium Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-1-Skim Coat 2019-10-18-5817.500-14	Field House Plaster	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-1-Rough Coat 2019-10-18-5817.500-14A	Field House Plaster	Brown Non-fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected
FH-PLAS-2-Skim Coat 2019-10-18-5817.500-15	Field House Plaster	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-2-Rough Coat 2019-10-18-5817.500-15A	Field House Plaster	Brown Non-fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected
FH-PLAS-3 Coat 2019-10-18-5817.500-16	Field House Plaster	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-3-Rough Coat 2019-10-18-5817.500-16A	Field House Plaster	Brown Non-fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected
FH-PLAS-4 Coat 2019-10-18-5817.500-17	Field House Plaster	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-4-Rough Coat 2019-10-18-5817.500-17A	Field House Plaster	Brown Non-fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected





## Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715  
 Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
 Date Analyzed: 10/25/2019  
 Date Reported: 10/25/2019

Project : 514 Black Street

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
FH-PLAS-5 Coat 2019-10-18-5817.500-18	Field House Plaster	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-PLAS-5-Rough Coat 2019-10-18-5817.500-18A	Field House Plaster	Brown Non-fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected
FH-WBCL-1-Tan Compound 2019-10-18-5817.500-19	Field House Wallboard / Joint Compound	Tan Non-fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
FH-WBCL-1-White Compound 2019-10-18-5817.500-19A	Field House Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-WBCL-1-Wallboard 2019-10-18-5817.500-19B	Field House Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FH-WBCL-2-Tan Compound 2019-10-18-5817.500-20	Field House Wallboard / Joint Compound	Tan Non-fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
FH-WBCL-2-White Compound 2019-10-18-5817.500-20A	Field House Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-WBCL-2-Wallboard 2019-10-18-5817.500-20B	Field House Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FH-WBCL-3-Tan Compound 2019-10-18-5817.500-21	Field House Wallboard / Joint Compound	Tan Non-fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
FH-WBCL-3-White Compound 2019-10-18-5817.500-21A	Field House Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-WBCL-3-Wallboard 2019-10-18-5817.500-21B	Field House Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
FH-WBCL-4-Tan Compound 2019-10-18-5817.500-22	Field House Wallboard / Joint Compound	Tan Non-fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>



## Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715  
 Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
 Date Analyzed: 10/25/2019  
 Date Reported: 10/25/2019

Project : 514 Black Street

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
FH-WBCL-4-White Compound	Field House Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-22A</u>					
FH-WBCL-4-Wallboard	Field House Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-22B</u>					
FH-WBCL-5-Tan Compound	Field House Wallboard / Joint Compound	Tan Non-fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
<u>2019-10-18-5817.500-23</u>					
FH-WBCL-5-White Compound	Field House Wallboard / Joint Compound	White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-23A</u>					
FH-WBCL-5-Wallboard	Field House Wallboard / Joint Compound	Gray,Brown Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-23B</u>					
FH-CAR-1-Carpet	Field House Carpet	Black Fibrous Homogeneous	80% Synthetic	20% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-24</u>					
FH-CAR-1-Mastic	Field House Carpet	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-24A</u>					
FH-CAR-2-Carpet	Field House Carpet	Black Fibrous Homogeneous	80% Synthetic	20% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-25</u>					
FH-CAR-2-Mastic	Field House Carpet	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-25A</u>					
FH-CB-1	Field House Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-26</u>					
FH-CB-2	Field House Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-27</u>					
FH-CB-3	Field House Cinder Block	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-28</u>					
FH-SR-1-Gray Shingle	Field House Shingle Roof	Black,Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-29</u>					
FH-SR-1-Black Shingle	Field House Shingle Roof	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
<u>2019-10-18-5817.500-29A</u>					



## Summit Laboratories

3575 Centre Circle, Fort Mill, SC 29715  
 Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
 Date Analyzed: 10/25/2019  
 Date Reported: 10/25/2019

Project : 514 Black Street

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
FH-SR-2-Gray Shingle 2019-10-18-5817.500-30	Field House Shingle Roof	Black, Gray Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
FH-SR-2-Black Shingle 2019-10-18-5817.500-30A	Field House Shingle Roof	Black Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
FH-BM-1-Brick 2019-10-18-5817.500-31	Field House Brick / Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-BM-1-Mortar 2019-10-18-5817.500-31A	Field House Brick / Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-BM-2-Brick 2019-10-18-5817.500-32	Field House Brick / Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-BM-2-Mortar 2019-10-18-5817.500-32A	Field House Brick / Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-BM-3-Brick 2019-10-18-5817.500-33	Field House Brick / Mortar	Red Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
FH-BM-3-Mortar 2019-10-18-5817.500-33A	Field House Brick / Mortar	Gray Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CS-CB-1 2019-10-18-5817.500-34	Concessions Stand Cinder Block	Gray, White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CS-CB-2 2019-10-18-5817.500-35	Concessions Stand Cinder Block	Gray, White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
CS-CB-3 2019-10-18-5817.500-36	Concessions Stand Cinder Block	Gray, White Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
PB-CS-1 2019-10-18-5817.500-37	Press Box Cementitious Siding	Gray Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
PB-CS-2 2019-10-18-5817.500-38	Press Box Cementitious Siding	Gray Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
PB-CS-3 2019-10-18-5817.500-39	Press Box Cementitious Siding	Gray Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile



**Summit Laboratories**

3575 Centre Circle, Fort Mill, SC 29715  
 Phone: (704) 504-1717

Summit Order: 2019-10-18-5817.500

**Anthony Monk**  
**SUMMIT Engineering, Laboratory & Testing, P.C.**  
**1539 Meeting Street, Suite A**  
**Charleston, SC 29405**

Date Received: 10/18/2019  
 Date Analyzed: 10/25/2019  
 Date Reported: 10/25/2019

Project : 514 Black Street

**Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample ID	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous (other)	% Asbestos
SH-SF-1-Flooring 2019-10-18-5817.500-40	Shed Sheet Flooring / Mastic	White, Gray Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
SH-SF-1-Mastic 2019-10-18-5817.500-40A	Shed Sheet Flooring / Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
SH-SF-2-Flooring 2019-10-18-5817.500-41	Shed Sheet Flooring / Mastic	White, Gray Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
SH-SF-2-Mastic 2019-10-18-5817.500-41A	Shed Sheet Flooring / Mastic	Tan Non-fibrous Homogeneous		100% Non-fibrous (other)	None Detected
TB-CB-1 2019-10-18-5817.500-42	Ticket Booth Cinder Block	White, Gray Non-fibrous Homogeneous	1% Wollastonite	99% Non-fibrous (other)	None Detected
TB-CB-2 2019-10-18-5817.500-43	Ticket Booth Cinder Block	White, Gray Non-fibrous Homogeneous	1% Wollastonite	99% Non-fibrous (other)	None Detected
TB-CB-3 2019-10-18-5817.500-44	Ticket Booth Cinder Block	White, Gray Non-fibrous Homogeneous	1% Wollastonite	99% Non-fibrous (other)	None Detected



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**METHOD: EPA 600 / R93 / 116**

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For samples easily separated into homogeneous layers, each component will be analyzed separately. The sample may not be representative of the larger material in question. Interpretation and use of test results are the responsibility of the client. Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles, mastic and roofing can be difficult to analyze by PLM. Reanalysis by Transmission Electron Microscopy (TEM) to verify results of <1% or None Detect for these materials is recommended.

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Analyst(s):   
Chris Estes

Approved By:   
Michael Zavislak,  
Approved Signatory

NVLAP Lab Code 600041-0

Summit Laboratories, 3575 Centre Circle, Fort Mill, SC 29715, Phone: (704) 504-1717



# CHAIN OF CUSTODY

**LAB USE ONLY:**  
 Summit Order Number: 2019-10-18-5817.500

3575 Centre Circle, Fort Mill, SC 29715  
 Tel: 704-504-1717; Fax: 704-504-1125

COMPANY CONTACT INFORMATION	
Company: Summit ELT	Job Contact: A. Monk / D. Lago
Address: 1539 Meeting Street, Suite A Charleston, SC 29405	Email: amonk@summit-companies.com Email 2: dlago@summit-companies.com
	Tel: 704-965-9235 / 843-277-4986
Project Name: 514 Black Street	Project ID #: 5817.500

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR	8 HR	12 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
POSITIVE STOP ANALYSIS: <input type="checkbox"/>								

COMMENTS:		<input checked="" type="checkbox"/> Accept Samples	
		<input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>David P. Lago</i>	10/19/19	<i>Chin Esté</i>	10/18/19

Samples will be disposed of 60 days after analysis

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE SAMPLED
ST-CT-1	STADIUM CEILING TILE	HA-1	10/17
-2	"	"	"
-3	"	"	"
ST-WB-1	STADIUM WALLBOARD/JOINT COMPOUND	HA-2	"
-2	"	"	"
-3	"	"	"
-4	"	"	"
-5	"	"	"
ST-BB-1	STADIUM BASEBOARD/MASTIC	HA-3	"
-2	"	"	"
ST-CB-1	STADIUM CINDER BLOCK	HA-4	"
-2	"	"	"
-3	"	"	"



## SAMPLING FORM

<b>LAB USE ONLY:</b>
<b>Summit Order Number:</b>

COMPANY CONTACT INFORMATION	
Company: Summit ELT	Job Contact: A. Monk / D. Lago
Project Name: 514 Black Street	
Project ID #: 5817.500	Tel: 704-965-9235 / 843-277-4986

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/AREA	DATE/TIME SAMPLED
FH-PLAS-1	FIELD HOUSE PLASTER	HA-5	10/17
-2	"	"	"
-3	"	"	"
-4	"	"	"
-5	"	"	"
FH-WBCL-1	FIELD HOUSE WALLBOARD/JOINT COMPOUND	HA-6	"
-2	"	"	"
-3	"	"	"
-4	"	"	"
-5	"	"	"
FH-CAR-1	FIELD HOUSE CARPET	HA-7	"
-2	"	"	"
FH-CB-1	FIELD HOUSE CINDER BLOCK	HA-8	"
-2	"	"	"
-3	"	"	"
FH-SR-1	FIELD HOUSE SHINGLE ROOF	HA-9	"
-2	"	"	"
FH-BM-1	FIELD HOUSE BRICK/MORTAR	HA-10	"
-2	"	"	"
-3	"	"	"
CS-CB-1	CONCESIONS STAND CINDER BLOCK	HA-11	"
-2	"	"	"
-3	"	"	"
PB-CS-1	PRESS BOX CEMENTITIOUS SIDING	HA-12	"
-2	"	"	"
-3	"	"	"
SH-SF-1	SHED SHEET FLOORING/MASTIC	HA-13	"
-2	"	"	"
TB-CB-1	TICKET BOOTH CINDER BLOCK	HA-14	"
-2	"	"	"
-3	"	"	"

October 24, 2019

SUMMIT Engineering, Laboratory & Testing, Inc.  
3575 Centre Circle  
Fort Mill, SC 29715

**CLIENT PROJECT:** 514 Black Street, 5817.500  
**LAB CODE:** T192936

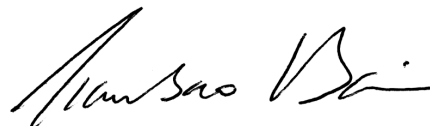
Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on October 18, 2019. 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.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





CEI

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Transmission Electron Microscopy**

Prepared for

**SUMMIT Engineering, Laboratory & Testing, Inc.**

---

CLIENT PROJECT: 514 Black Street, 5817.500

LAB CODE: T192936

TEST METHOD: Bulk Chatfield  
EPA 600 / R93 / 116

REPORT DATE: 10/24/19



CEI

# ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** SUMMIT Engineering, Laboratory & Testing, Inc.  
3575 Centre Circle  
Fort Mill, SC 29715

**Lab Code:** T192936  
**Date Received:** 10-18-19  
**Date Analyzed:** 10-24-19  
**Date Reported:** 10-24-19

**Project:** 514 Black Street, 5817.500

## 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 %
ST-BB-3 T107309	Stadium Baseboard	0.358	52.5	47.2	.3	None Detected
ST-BB-3 T107310	Mastic	0.16	43.1	32.5	24.4	None Detected
FH-CAR-3 T107311	Field house Carpet Mastic	0.206	50.5	49	.5	<1% Chrysotile
FH-SR-3 T107312	Field house Shingle Roof (Gray, Black)	0.638	21.5	48.9	29.6	None Detected
FH-SR-3 T107313	Field house Shingle Roof (Black)	0.594	18.2	42.3	39.5	None Detected
SH-SF-3 T107314	Shed Sheet Flooring	0.253	56.5	41.1	2.4	None Detected
SH-SF-3 T107315	Mastic	0.147	47.6	3.4	49	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 Eurofins CEI. Eurofins CEI 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. *Estimated measurement of uncertainty is available on request.* Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

**ANALYST:**



Kamila Reichert

**APPROVED BY:**



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

# CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	T192936
CEI Lab I.D. Range:	T107309-15 (7)

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 27989	Job Contact: A. Monk / D. Lago
Company: Summit ELT	Email: amonk@summit-companies.com / dlago@summit-companies.com
Address: 1539 Meeting Street - Suite A Charleston, SC 29405	Tel: 704-965-9235 / 843-277-4986
Email: mzavislak@summit-companies.com	Project Name: 514 Black Street
Tel: 803-238-1080	Project ID#: 5817.500
	STATE SAMPLES COLLECTED IN: SC

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
TEM BULK	CHATFIELD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:			<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time	
<i>David P. Lago</i>	10/17/19	<i>DL</i>	10/18/19 9:20	

Samples will be disposed of 30 days after analysis

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST
ST-BB-3	STADIUM BASEBOARD/MASTIC	1	TEM
FH-CAR-3	FIELD HOUSE CARPET	2	TEM
FH-SR-3	FIELD HOUSE SHINGLE ROOF	3	TEM
SH-SF-3	SHED SHEED FLOORING/MASTIC	4	TEM
			TEM
			TEM
			TEM
			TEM
			TEM
			TEM
			TEM
			TEM
			TEM

## **APPENDIX B**

### **INSPECTOR'S LICENSES**

---

# SCDHEC ISSUED

Asbestos ID Card

---

**David Lago**



		Expiration Date:
CONSULTMP	MP-00262	04/04/20
CONSULTPD	PD-00202	04/02/20
AIRSAMPLER	AS-00551	04/03/20
SUPERAHERA	SA-02985	04/03/20
CONSULTBI	BI-01697	04/04/20

## **APPENDIX C**

### **SUMMIT DOCUMENTATION**





Field House

Press Box

Ticket Booths

Stadium

Concessions Stand

Storage Shed



PREPARED BY:  
DL

DATE:  
10-19

CHECKED BY:

DATE:

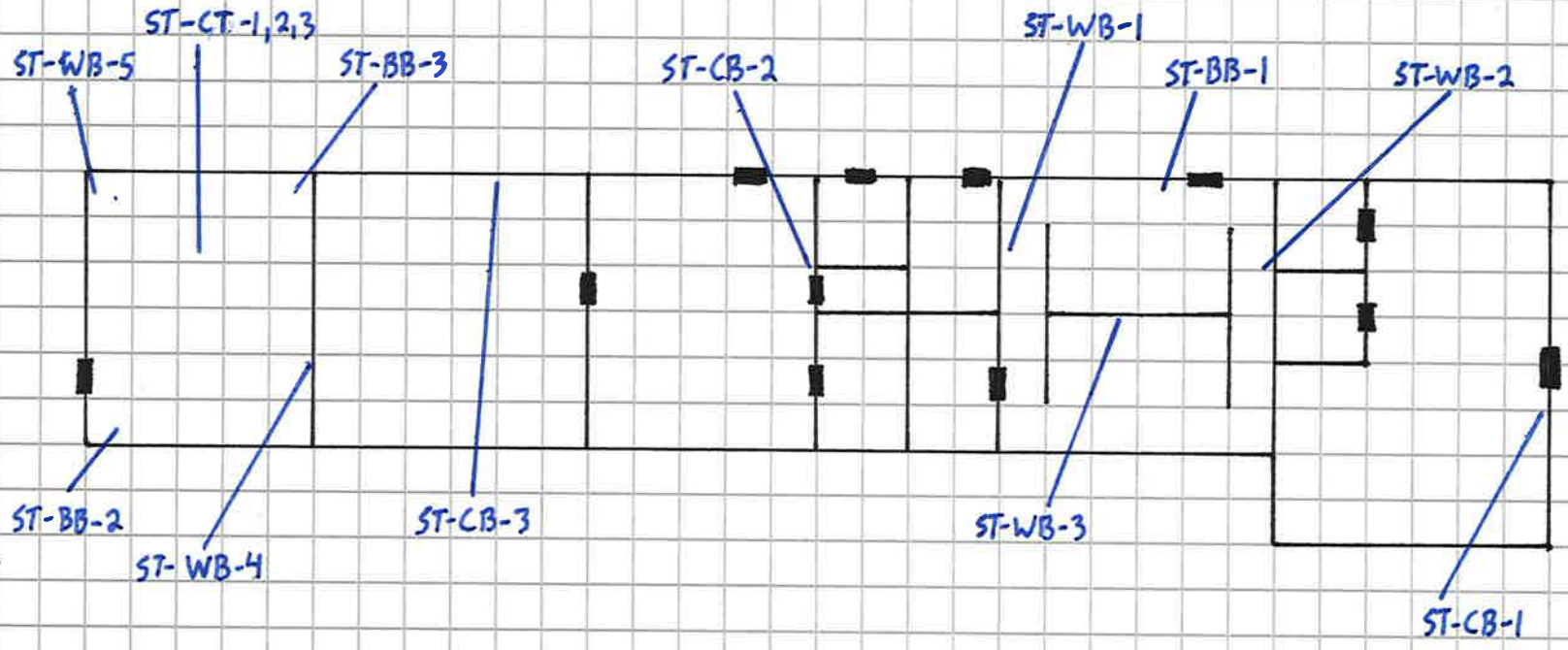
PROJECT NO:  
5817.500

PROJECT NAME:

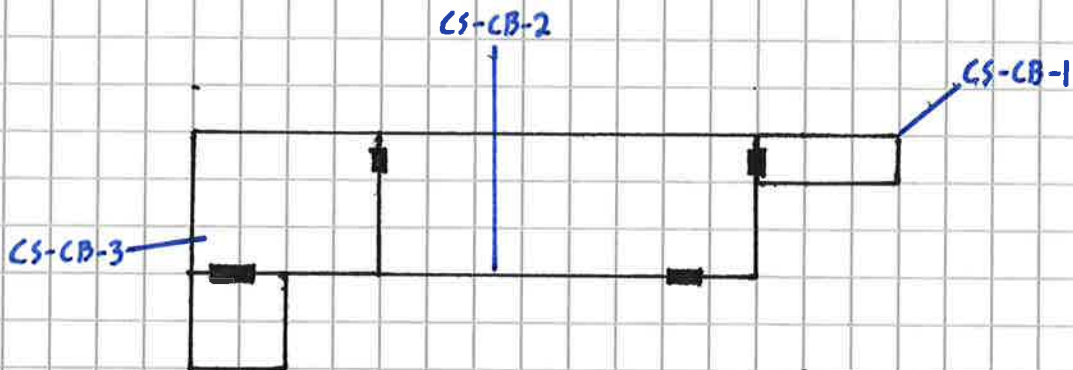
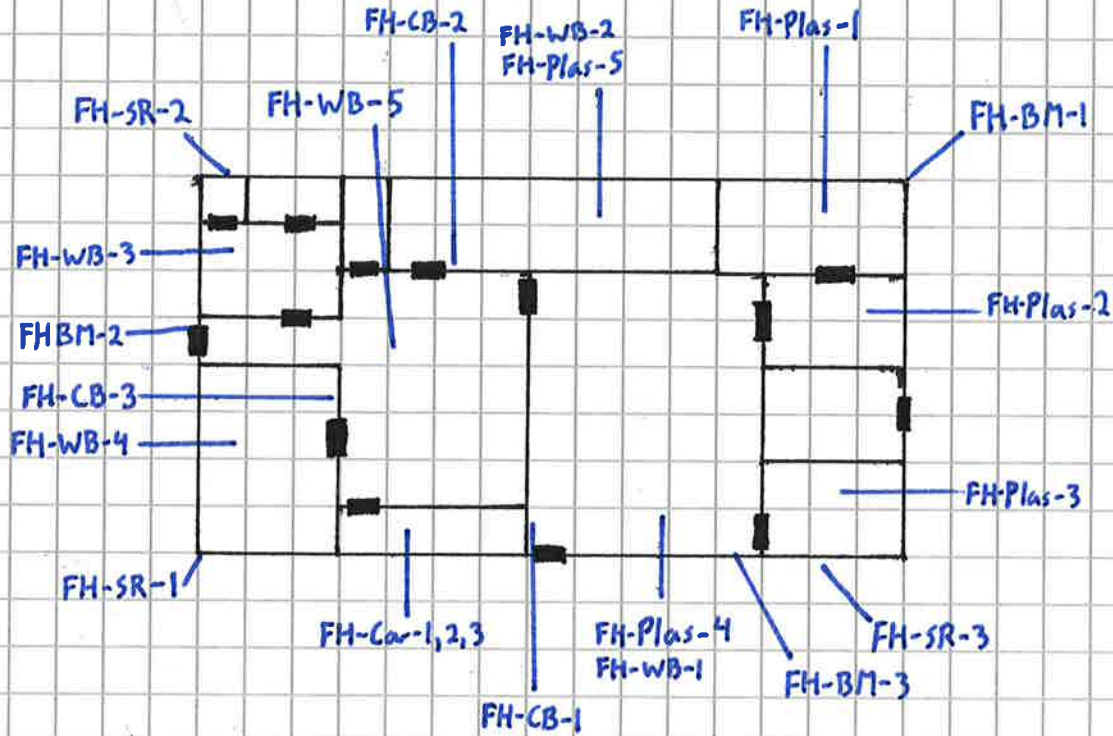
Old High School Football Stadium

SHEET NO  
1 OF 3

# Stadium



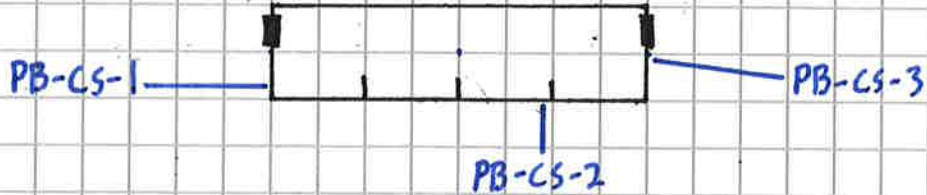
# Field House



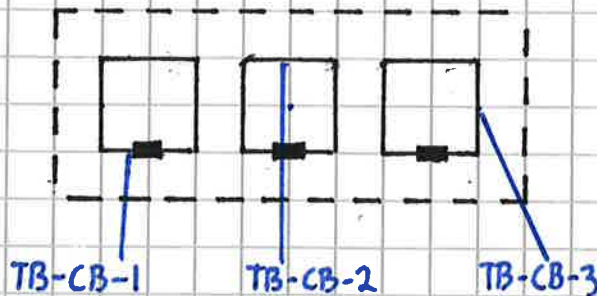
# Concessions Stand

PREPARED BY: <i>DL</i>	DATE: <i>10-17</i>	CHECKED BY:	DATE:	PROJECT NO: <i>5817.500</i>
PROJECT NAME: <i>Old High School Football Stadium</i>				SHEET NO <i>3 OF 3</i>

# Press Box



# Storage Shed

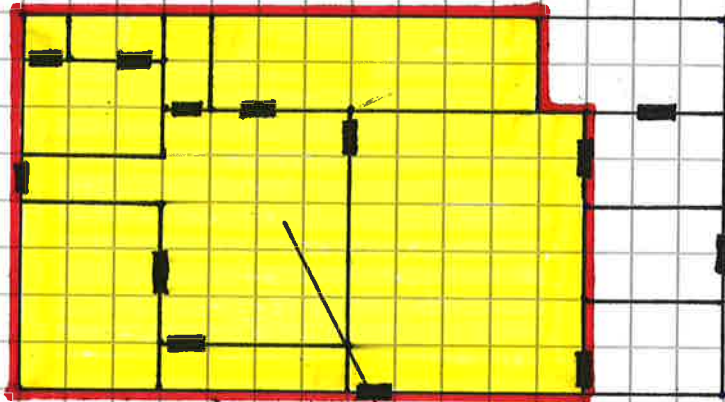


# Ticket Booths



PREPARED BY: <i>DL</i>	DATE: <i>10-28</i>	CHECKED BY:	DATE:	PROJECT NO: <i>5817.500</i>
PROJECT NAME: <i>Old High School Football Stadium</i>				SHEET NO ___ OF ___

# Field House - ACM Locations



Wallboard / Joint Compound System

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# Press Box - ACM Locations



Cementitious Siding



**PD-26 Bid Form**

**Old High School Football Stadium Demolition and Disposal Project**

**Company Name:** \_\_\_\_\_

**Contact Person:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City/State/Zip** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**Cell Phone Number:** \_\_\_\_\_

**E-mail Address:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Contractor's License No:** \_\_\_\_\_

BASE BID						
Property Address: 514 Black Street, Walterboro, SC 29488				Property TMS #: 163-16-00-054		
Structure	Approx Size	Description	Services	Unit Price	Units	Total Price
1	Home Bleachers 9,020 sq ft ~ 55'Wx164'Lx26'H	concrete & metal with locker rooms underneath	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
2	Press Box 240 sq ft ~ 8'Wx30'Lx9'H	concrete & metal atop home bleachers	Asbestos Removal		sy	\$
			Demolition		cy	\$
3	Field House 3,432 sq ft ~44'Wx78'L	concrete & metal with shingle roof	Asbestos Removal		sy	\$
			Demolition		cy	\$
4	Home Concessions 2,220 sq ft ~30'Wx74'Lx9'H	concrete & metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
5	Home Ticket Booths (3) 192 sq ft ~ 8'Wx8'Lx9'H	concrete & metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
6	Wooden Ticket Booth N/A	wood & metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
7	Ticket Booth (Trailer) N/A	wood & metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
8	Fencing 5,360 sq ft ~1100' of 4' & 4260' of 6'	metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
9	Visitor Bleachers 4,898 sq ft ~31'Wx158'Lx14'H	metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
10	Goal Posts (4) N/A	metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
11	Lighting N/A (4) 30' poles w/ 10 lights & (2) 45' poles w/ 15 lights	wood & metal	Asbestos Removal	NA	sy	NA
			Demolition		cy	\$
<u>Entire Project Site</u>			Clean Fill		cy	\$
			Debris Removal		sy	\$
			Vegetative Removal		sy	\$
			Regrass		sy	\$
			Total Permit Fees		ls	\$
			Total Landfill Costs		ls	\$
<b>BASE BID</b>					\$	

Note: The County will accept the lowest responsible Base Bid based on budgetary constraints. The unit costs that are requested are to be used only for the purpose of establishing cost reasonableness in the event that a change order becomes necessary.