ADDENDUM NO. 1
DATE: August 31, 2016

RE: University of South Carolina
Athletic Village Improvements – Field House Conversion
State Project Number H27-6105-MJ-C

This addendum herein supplements, modifies, changes, deletes from or adds to the original bidding documents for the project noted above and is herein made a part of the contract documents. Drawings and General Provisions of the Contract, including General and Supplementary Conditions, shall apply to items incorporated in the Addendum.

This addendum consists of 51 pages including all attachments.

The following are general changes to the bid documents:

1.1 Bidder Questions – Responses are in bold

1. Please clarify reference to "Mondo" flooring, construction sequence note 2, sheet S-101
   Please see Mondo specification (http://www.mondoworldwide.com/download.cfm?versioneuid=398EFC59-5056-8F31-55826D06E98A35FC&nomedocumento=Mondosport_I_MONDOSPORT_-_Complete_Installation_and_Painting_Manual_(R091510)_en.pdf).

   This is a synthetic track surfacing, but will not be installed as part of this construction project phase.

2. What are the existing floor finishes to be removed and are they suspect hazardous?
   See Part 1.2 of this addendum.

3. Confirm that the Johnsonite floor adapter is by the track supplier, as the note on sheet TF-2 implies.
   Remove portion of note on bottom of sheet TF-2 that reads "Track surfacing manufacturer shall provide a 45 degree bevel at threshold between track surfacing and new concrete floor."

4. Can you provide the sections for "typical ramp details", sheet A-101?
   Interior ramps shall be pre-formed rubber landings and transitions as manufactured by Safe Path Products or equal in lieu of called of concrete. Other acceptable manufacturers include Handi Ramp and EZ-Access. See attached sketch SKA-01 dated 8/31/16 for details.

5. Are contraction joints required in the floor topping/underlayment?
   Yes – Control/Contraction Joints are denoted on S-101 as CJ and are shown extending into the topping/underlayment.

6. Please clarify the floor recess that appears to be in the topping/underlayment, the detail shows a slab with rebar.
   See attached SKS-1 dated 8/31/16 for floor depression detail and coordination.

7. Can you clarify the particular pattern shown for the topping/underlayment? Is this related to slope(s)?
   The topping/underlayment pattern is due to the spot elevations taken of the existing slab. The topping/underlayment can only be poured to a specific maximum thickness per the manufacturer.

8. What is the purpose of the concrete topping/underlayment?
   The project requires that the new surface be level. Concrete cannot be feathered – using the topping/underlayment achieves this.

9. Can we please have a copy of the survey done on the existing slab to better account for the amount of flowable fill needed?
   The survey will be provided to the successful contractor after award.

10. The plans mention two different types of Flow Fill. One with agg and one without agg. Do they want a course agg in one of these mixes and if so what size and how much? The SCDOT flow fill that we typically use does not have coarse aggregate in it. My suggestion would be that they don't need coarse agg in either flow fill. Typically the coarse agg is added for strength and to help cut down on shrinkage. However, in a flow fill mix with very low cement content the strength increase would be minimal and flow fill has almost no shrinkage so you really are only increasing the mix cost for very little or no added value.
    Contractor shall submit concrete supplier's standard flowable fill mixes, with and without coarse aggregate, for engineer's approval. Maximum aggregate size shall be selected by the supplier to best meet the field conditions, placement requirements and design intent.

11. They ask for 150 psi Flow fill. Flow Fill has no standard for PSI testing. We have an SCDOT Non excavatable Flow Fill mix that I would recommend for this application. It has no coarse agg but does have a higher cement content that the Excavatable Flow Fill SCDOT mix. This mix should reach 150 psi but again, there is not Strength test for Flow Fill. You cannot make cylinders on this mix and verify strength. The mix is designed to achieve the same compaction as fill dirt so there is no acceptable test criteria for strength on flow fill. This needs to be noted in the specs for testing.
    Perform strength testing per ASTM D4832 "Standard Test Method for Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders".

12. For cost savings and schedule constraints we would suggest substituting macro fiber in the concrete in lieu of the rebar. Attached is a proposal with strength calculations from the fiber supplier.
    Contractor shall bid the package as currently designed. Value engineering options may be entertained once a contract is awarded.

13. Can the A and B strips be oriented with the length of the building?
    Contractor shall bid the package as currently designed. Value engineering options may be entertained once a contract is awarded.

14. The Moisture Vapor Reduction Admixture is a very expensive product (approx. $65/cubic yard). We would recommend doing a standard poly vapor barrier if needed under the slab for

substantial cost savings.
Contractor shall bid the package as currently designed.

15. On the Dayton LeveLayer it will be very costly and time intensive to do such a large area as indicated on the plans with this material. It would be more cost and time efficient to demo existing concrete and pour back with new concrete. Or perhaps there may be a different material.
    Contractor shall bid the package as currently designed.

16. On the joint filling it says to wait until concrete has aged 6 months. This wait time would be long after the project has been completed. Please confirm the wait time.
    Joint filling installation shall be deferred as long as possible – Comply with manufacturer's written recommendations.

17. Would it be an option to pour the entire floor in concrete and eliminate the flow fill?
    Contractor shall bid the package as currently designed.

18. Can the new electrical conduits be routed within the layer of flow fill?
    No. Conduits shall not be within the layer of flowable fill

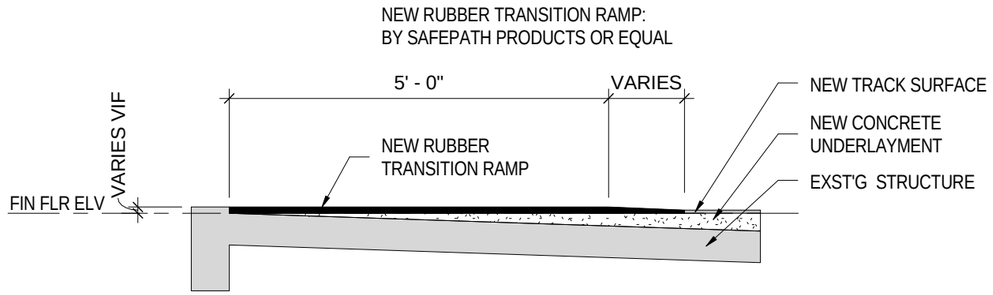
1.2 Project Manual Modification

1. Add the Specification for Athletic Track and Tennis Court Demolition revised on August 26, 2016 as prepared by S&ME associates to the project manual.

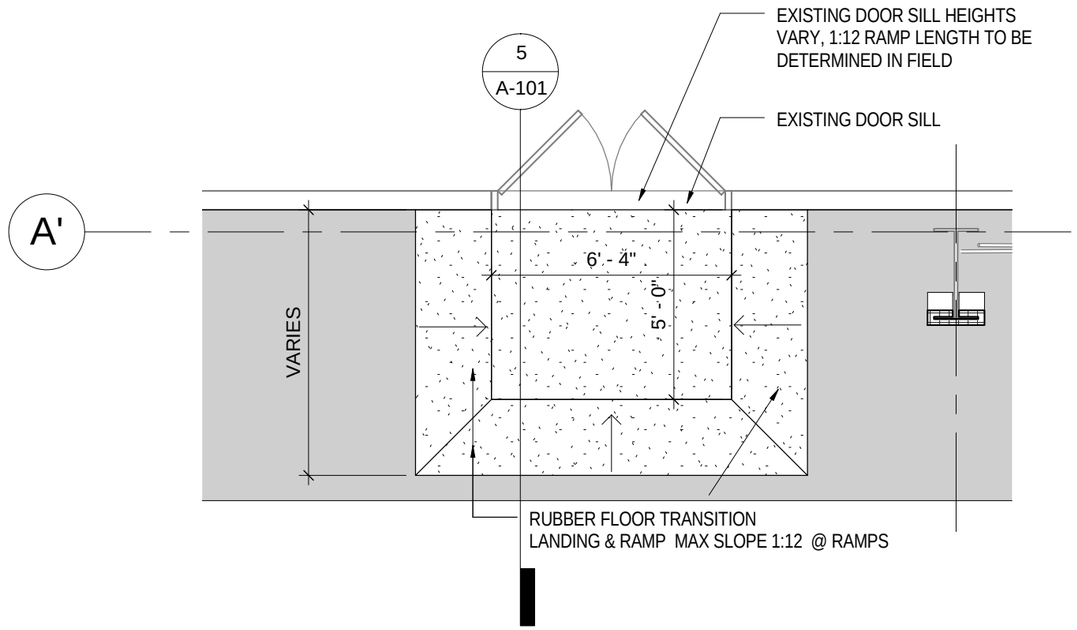
1.3 Non Mandatory Pre Bid Meeting Attendance

1. See attached sign in sheets from the August 23, 2016 Pre Bid Meeting.

End of Addendum 1



2 TYPICAL INTERIOR RAMP SECTION
1/2" = 1'-0"



1 TYPICAL RAMP DETAIL
1/4" = 1'-0"

WWW.CHACOMPANIES.COM

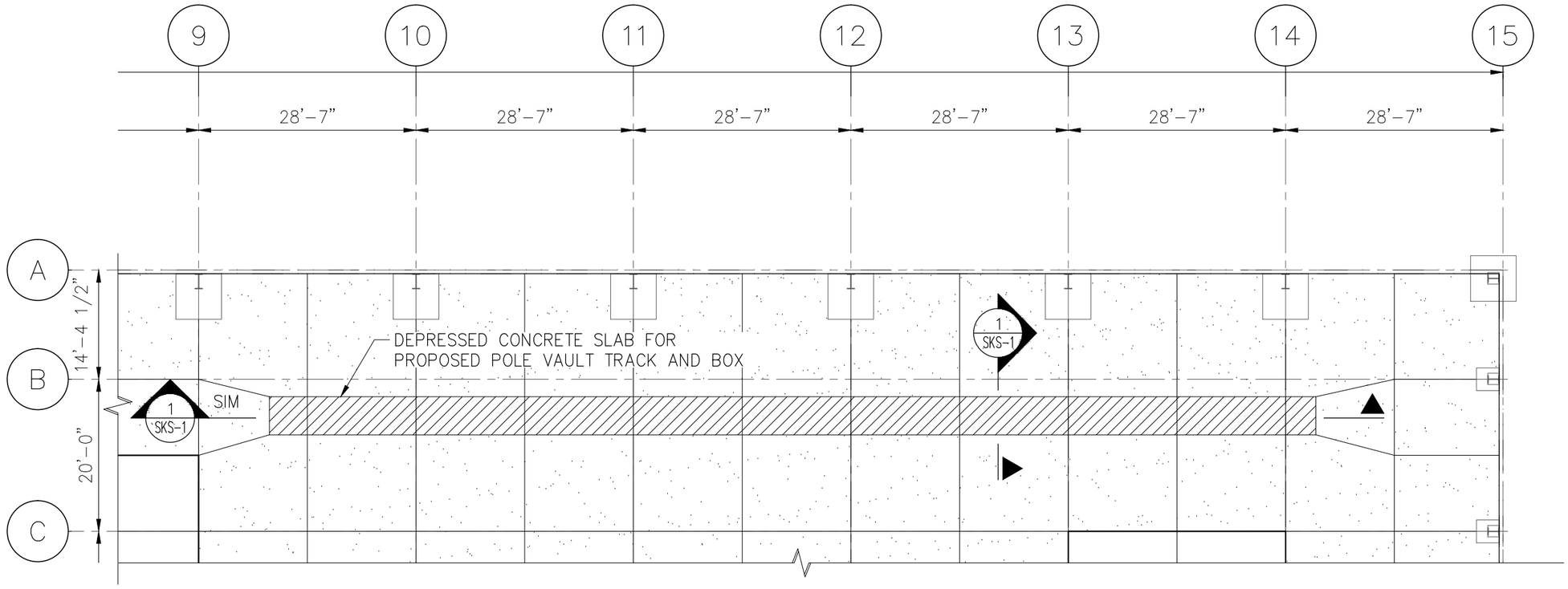
TYPICAL INTERIOR RAMP DETAILS

ATHLETIC VILLAGE IMPROVEMENTS - FIELD HOUSE CONVERSION

PROJECT NO.: 27482

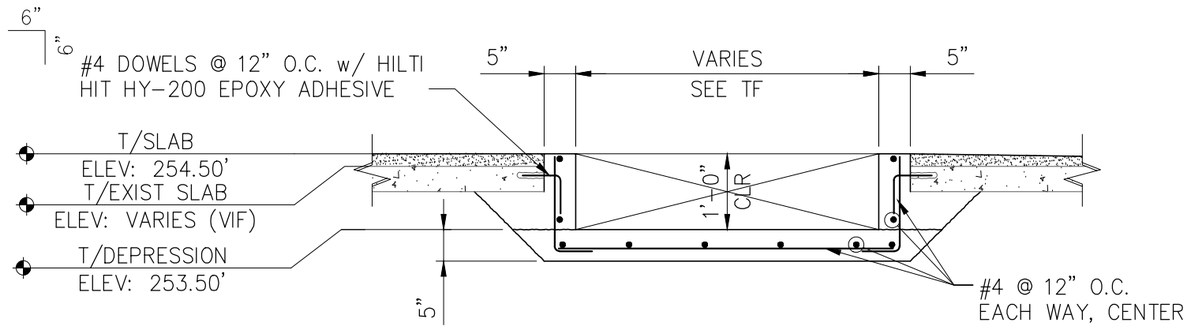
DATE: 08/31/16

SKA-001



PARTIAL PLAN

SCALE: 1/16" = 1'-0"



1 SECTION

NOT TO SCALE

CHA
1298 Professional Drive • Myrtle Beach, SC 29577-5896
Main: (843) 692-3205 • www.chacompanies.com

ADDENDUM No. 1 SLAB DEPRESSION SKETCH

UNIVERSITY OF SOUTH CAROLINA
ATHLETIC VILLAGE IMPROVEMENTS
FIELD HOUSE CONVERSION

PROJECT NO. 27482

DATE: 08/31/16

SKS-1

SPECIFICATION FOR ATHLETIC TRACK AND TENNIS COURT DEMOLITION
USC FIELD HOUSE
COLUMBIA, SOUTH CAROLINA

S&ME Project No. 4261-14-174

Prepared For:
University of South Carolina
Campus Planning and Construction
743 Greene Street
Columbia, South Carolina 29208

Prepared By:
S&ME, Inc.
134 Suber Road
Columbia, South Carolina 29210

Tom Behnke, P.G., CHMM

Revised: August 26, 2016

TABLE OF CONTENTS

1. BACKGROUND

1.1. The work described in this specification for removal of mercury-containing athletic track material and tennis court surface material that contains <1% chrysotile asbestos is based upon testing data provided by the University of South Carolina (USC).

1.2. The subject site is the USC Field House located at Marion and Heyward Streets in Columbia, South Carolina (See photographs in Appendix II). The building houses an indoor elliptical running track, an artificial turf practice field and tennis courts. The track surface is covered with a red synthetic shock absorbent material approximately ¼ inch thick on a concrete substrate. A sample of the track material has tested positive for total Mercury at 140 parts per million. A subsequent analysis of the material by the Toxicity Characteristic Leaching Procedure (TCLP) did not report Mercury in the material above the federal limit for hazardous waste (0.2 mg/L). The area of running track is approximately 7,550 square feet.

1.3. The interior of the track area is comprised of a practice athletic field consisting of artificial turf underlain by crumb rubber base. No suspect hazardous materials are associated with the practice field. The crumb rubber turf area is approximately 41,000 square feet.

1.4. Bulk sampling of the green and black tennis court surface material indicates an asbestos content of <1% chrysotile. The tennis court surface area is approximately 26,500 square feet.

1.5. The tennis court material is not regulated as an asbestos-containing material by the South Carolina Department of Health and Environmental control (SCDHEC). However, engineering controls and personal protection equipment (PPE) will be used during removal of the material to prevent possible worker exposure to asbestos and fiber release into the building.

1.6. The laboratory reports as provided by USC are included in Appendix III.

1.7. This specification has been prepared in general accordance with S&ME Proposal Number 42-1401194 dated December 1, 2014.

1.8. Only the client, USC, and the demolition contractor chosen to perform this work may rely upon this document.

1.9. This document applies to the removal of mercury-containing track material and concrete base, athletic practice field and tennis court surfacing as described in Section 4 and for this project only.

1.10. Those specified in this section may rely upon this work for the specific project for which it was prepared. S&ME disclaims any liability for reliance on this work by others, or for any other project.

1.11. Work associated with this project is subject to the terms and conditions of the proposal specified in paragraph 1.7 of this document.

1.12. The Owner is the University of South Carolina.

1.13. The Consultant/Owner's Representative is S&ME.

1.14. This Specification was revised in August 2016 to include complete copies of the laboratory reports, chain of custody records and Executive Summary provided by USC (Appendix III).

2. STANDARDS

2.1. Summary

2.1.1. This Section sets forth governmental regulations and industry standards, which are included and incorporated herein by reference and made a part of the specification.

2.1.2. Requirements include adherence to work practices and procedures set forth in applicable codes, regulations, and standards.

2.1.3. Requirements include obtaining permits, licenses, inspection, releases and similar documentation, as well as payments, statements and similar requirements associated with codes, regulations, and standards.

2.2. Codes and Regulations

2.2.1. General Applicability of Codes and Regulations, and Standards: Except to the extent that more explicit and more stringent requirements are written directly into the Contract documents, all applicable codes, 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 are bound herewith.

2.2.2. Contractor Responsibility: The Contractor shall assume full responsibility and liability for the 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 is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable federal, state, and local regulations. The Contractor shall hold the Owner and S&ME harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other regulation on the part of himself, his employees, or his subcontractors.

2.2.3. Federal Requirements: Which govern mercury abatement work or hauling and disposal of mercury waste materials include, but are not limited to the following:

2.2.3.1. OSHA: U.S. Department of Labor, Occupational Safety and Health Administration (OSHA), including but not limited to:

Respiratory Protection
Title 29, Part 1910, Section 134 of the
Code of Federal Regulations

Toxic and Hazardous Substances
Title 29, Part 1910, Section 1000 of the
Code of Federal Regulations

Hazard Communication
Title 29, Part 1910, Section 1200 of the
Code of Federal Regulations

Specification for Accident Prevention Signs and Tags
Title 29, Part 1910, Section 145 of the
Code of Federal Regulations

2.2.3.2. DOT: U.S. Department of Transportation, including but not limited to:

Hazardous Substances
Title 49, Part 171 and 172 of the
Code of Federal Regulations

2.2.3.3. EPA: U. S. Environmental Protection Agency (EPA), including but not limited to:

Hazardous Waste Identification Regulations
Title 40 CFR Part 261

Hazardous Waste Management Regulations
Title 40 CFR Parts 262 through 265, 268, and CFR Parts 270, 271, and 124

Land Disposal Restrictions (LDR) Regulations
Title 40 CFR Part 268

2.3. Standards

2.3.1. General Applicability of Standards: Except to the extent that more explicit or more stringent requirements are written directly into the Contract documents, all applicable 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, or as if published copies are bound herewith.

2.3.2. Contractor Responsibility: The Contractor shall assume full responsibility and liability for the compliance with all standards 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 hold the Owner and S&ME harmless for failure to comply with any applicable standard on the part of himself, his employees, or his subcontractors.

2.3.3. Standards: Which apply to mercury and asbestos remediation work may include but are not limited to the following:

OSHA 29 CFR 1910.134 Respiratory Protection

OSHA 29 CFR 1926.1101 Asbestos

SCDHEC 61-86.1 Standards of Performance for Asbestos Projects

2.4. Notices and Permits

2.4.1. Licenses and Accreditations: Maintain current licenses and accreditations as required by applicable state or local jurisdictions for the removal, transporting, disposal or other regulated activity relative to the work of this Contract.

2.4.2. Posting and Filing of Regulations: Post all notices required by applicable federal, state, and local regulations. Maintain two (2) copies of applicable federal, state and local regulations and standard. Maintain one copy of each at job site. Keep on file in Contractor's office one copy of each.

3. SCHEDULE

3.1. Schedule for completion of the project will be provided by the Owner.

3.2. Notify S&ME at least three days prior to work after 6 PM, before 6 AM, or on weekends and holidays.

4. SCOPE OF WORK

4.1. The Contractor shall field verify all quantities. There will be no allowance/additions made for varying quantities of work unless that work is not in a specified area.

4.2. Contractor shall prepare a site-specific health and safety plan for the project for its own employees.

4.3. Contractor shall perform and document daily health and safety tailgate meetings prior to the start of work.

4.4. Contractor shall remove the synthetic running track material (approximately 7,550 square feet) which has been determined to be potentially contaminated with mercury. Once removed, load track material into lined trucks or containers for immediate transport to the disposal facility.

4.5. Remove concrete base underlying the running track, and load into lined trucks or containers for immediate transport to the disposal facility.

4.6. The contractor shall remove the athletic practice field and underlying crumb rubber base material (approximately 41,000 square feet) and transport to disposal facility. No suspect hazardous materials are associated with the practice field.

4.7. Contractor shall remove the black and green tennis court surface materials (approximately 26,500 square feet). The tennis court surface materials have been determined to contain <1% chrysotile asbestos.

4.8. Contractor is responsible for obtaining permits from the appropriate disposal facilities.

4.9. A general building layout/demolition plan depicting the interior of the Field House and photographs of site conditions are provided in Appendix I.

5. PERSONAL PROTECTIVE EQUIPMENT

5.1. Protective clothing

5.1.1. During removal of the mercury-containing track material, concrete and tennis courts, Level C Personal Protective Equipment (PPE) shall be utilized by workers inside the work area. Level C PPE shall include:

- Respirator (See 5.2)
- Disposable nitrile gloves (with work gloves over top as option)
- Disposable coveralls with foot, head and eye protection
- Rubber steel-toe work boots

Notes:

The above PPE shall not leave the work area nor be worn outside the work area. Reusable PPE shall be discarded at completion of project.

Possible health effects may be associated with exposure to crumb rubber including respirable dust and skin and eye exposure. Use of appropriate PPE during crumb rubber removal shall be at the discretion of the Contractor

5.2. Respirators

5.2.1. Appropriate respiratory protection (minimum half-face air purifying respirator with mercury vapor cartridge) shall be used whenever workers enter the work area for the track removal.

5.2.2. Appropriate respiratory protection (minimum half-face air purifying respirator with P-100 cartridge) shall be used whenever workers enter the work area for the tennis court surface removal.

5.2.3. Workers using respirators shall meet appropriate OSHA requirements.

5.2.4. Respirators shall not be left exposed when not in use and shall be properly stored.

5.2.5. Used respirator filters and other discarded PPE shall be disposed of as described in Section 10.

6. CONTAINMENT MEASURES

6.1. Track Material

6.1.1. A construction barrier consisting of warning/caution barrier tape or rope shall surround the area of work out to approximately 10 feet from the work area.

6.1.2. Appropriate OSHA required work area signs shall be posted at or on the barrier rope or tape at intervals sufficient to ensure that a sign is visible and legible from all approaches to the work area.

6.1.3. The track material shall be removed in segments within a portable containment constructed of 6-mil polyethylene and equipped with decontamination unit and negative air ventilation to the outside of the building.

6.1.4. To prevent carbon monoxide poisoning or asphyxiation, combustion powered equipment shall not be used inside the containments.

6.2. Tennis Court Demolition

6.2.1. A construction barrier consisting of warning/caution barrier tape or rope shall surround the area of work out to approximately 10 feet from the work area.

6.2.2. Appropriate OSHA required work area signs shall be posted at or on the barrier rope or tape at intervals sufficient to ensure that a sign is visible and legible from all approaches to the work area.

6.2.3. The tennis court material shall be removed in segments within a portable containment constructed of 6-mil polyethylene and equipped with decontamination unit and negative air ventilation to the outside of the building.

6.2.4. A Negative Exposure Assessment (NEA) will be performed during the first stage of tennis court surface removal in accordance with 1926-1101. The NEA will require construction of negative pressure containment in accordance with SCDHEC Regulation 61-86-1. Personnel air samples will be collected to provide data demonstrating the means and methods of removal cannot release asbestos fibers in concentrations exceeding the TWA and excursion limits.

6.2.5. To prevent carbon monoxide poisoning or asphyxiation, combustion powered equipment shall not be used inside the containments.

7. DECONTAMINATION AREA

7.1. A Decontamination Area shall be located immediately adjacent to the work areas.

7.1.1. Workers shall remove disposable and reusable clothing and respirators (PPE) in the decontamination area.

7.1.2. Disposable clothing shall be disposed in 6 mil polyethylene disposal bags.

7.1.3. Hand and face washing facilities shall be available in the decontamination area.

8. SECURITY

8.1. While track material and tennis court surface removal work is being performed, at least one worker shall remain outside the work area. He/she shall maintain security against unauthorized access to the abatement areas.

8.2. Access to the site shall be denied to unauthorized personnel by the use of barricades and warning tape or other similar means of securing the area.

8.3. Contractor's employees are prohibited from fraternization with USC students or personnel.

9. WORK PRACTICES

Track and tennis court demolition and disposal will consist of the following work scope:

9.1. Remove the red synthetic track material from the concrete base under negative pressure containment, place in lined containers or trucks for immediate transport to disposal facility. Demolish concrete base beneath the running track and place in covered dump truck for immediate transport to disposal facility.

9.2. Remove black and green tennis court surface materials under negative pressure containment using wet methods and HEPA vacuuming to control dust. Place material in lined containers or trucks for immediate transport to the disposal facility.

9.3. Protect surrounding building structure and components.

9.4. Demolition workers shall utilize at a minimum Level C Personnel Protection Equipment (PPE) at all times while removing the mercury track material and tennis court surfacing.

9.5. Dust shall be controlled at all times.

10. WASTE DISPOSAL

10.1. Track material and concrete debris shall be transported to a SCDHEC permitted Class III/Subtitle D landfill.

10.2. The athletic field and crumb rubber base materials shall be disposed in a SCDHEC permitted Class III/Subtitle D landfill.

10.3. The tennis court surface and base material shall be disposed in a SCDHEC permitted Class II C&D landfill.

10.4. Contractor shall submit the waste profile information to the disposal facility with owner provided laboratory data.

10.5. All waste shall be transported and disposed of in accordance with applicable regulations and the Contractor shall be responsible for such disposal. The Contractor shall indemnify and hold harmless the Owner, the Consultant and all of their employees associated with this work from claims arising from disposal of the material.

10.6. Waste Disposal Manifests

10.6.1. All waste disposal shall be properly documented in accordance with Federal, State and local regulations.

10.6.2. Completed waste manifests shall be submitted to the Consultant (S&ME) with post job submittals no later than 20 days after completion of the work.

10.6.3. All final disposal documentation shall be included with this submittal and the Contractor shall be responsible for ensuring that the disposal site submits any required documentation in time to meet this requirement.

11. PROJECT MONITORING

11.1. The Consultant shall provide for on-site area monitoring for mercury vapor and asbestos during removal operations.

Action Level – Mercury vapor levels shall not exceed 0.025 mg/m^3 (ACGIH TLV-TWA) in the breathing zone. If the Action Level is exceeded, the Consultant will provide recommendations for additional project controls.

11.2. The Consultant will monitor for mercury vapor concentrations in air using a direct read instrument during removal of the track material for a period of two days to provide negative exposure assessment data.

11.3. Area asbestos air monitoring will be performed by the Consultant during tennis court demolition activities. If elevated fiber levels are reported, Consultant will provide recommendations for additional project controls.

11.4. The Contractor will cooperate with the Consultant, and should unsafe conditions be identified by the monitor, appropriate corrective actions, including stopping work, shall be instituted. The Contractor may perform any additional monitoring for mercury as the Contractor determines necessary.

11.5. The Consultant will not supervise the remediation work and will not be responsible for the safety of the Contractor's employees.

11.6. The Contractor shall be responsible for unsafe conditions that arise out of the work.

12. CLEARANCE

12.1. Consultant will conduct a visual assessment to verify that the track and tennis court material and debris has been removed.

13. SUBMITTALS

13.1. Prior to start of the project, contractor shall submit a detailed plan of the safety precautions, work procedures and sequence to be used in the removal and disposal of the track and tennis court material. The plan shall include, but not be limited to, the precise personal protective equipment to be used, removal method, interface of trades involved in the construction, sequencing of mercury and asbestos related work, disposal plan, and a detailed description of the method to be employed in order to control pollution. This plan must be approved prior to the start of any mercury or

asbestos related work. The Contractor shall meet with the Owner and consultant prior to beginning work to discuss in detail the plan, including work procedures and safety precautions. Once reviewed and accepted by the Owner and Consultant, the plan will be enforced as if an addition to the specification.

13.2. One copy of pre-job submittals shall be submitted to Consultant for review at least one week prior to start of abatement work. Pre-job submittals shall include:

13.2.1. A directory of contacts, including the Contractor's Corporate Office phone and fax numbers, the project superintendent's phone and pager or cellular numbers, the project site foreman's phone and pager or cellular numbers.

13.2.2. A roster of supervisors and workers.

13.2.3. A copy of each person's medical authorization to work with hazardous substances and wear a respirator.

13.2.4. A copy of the Contractor's respiratory protection program, this document shall meet the requirements of 29 CFR 1910.134.

13.2.5. A copy of an agreement to accept the waste from this project with a licensed waste disposal site.

13.3. On-site documentation shall include:

13.3.1. Properly completed permits as required.

13.3.2. A roster of workers and supervisors.

13.3.3. A copy of each person's medical authorization to work with hazardous material and wear a respirator.

13.3.4. A copy of the Contractor's respiratory protection program, including the rationale and documentation for respirator selection on this job.

13.3.5. A copy of the Contractor's hazard communication program, including:

13.3.5.1. Material Safety Data Sheets for mercury and all chemicals used on site.

13.3.5.2. An inventory of chemicals on site.

13.4. Post-job submittals shall be submitted within 20 days of project completion and shall include:

13.4.1. Any additions or changes to the pre-job submittals.

13.4.2. Waste manifests.

13.4.3. Supervisor's log book documenting all required testing, inspections and significant events.

14. GENERAL

14.1. The Contractor shall be responsible for damage to any surfaces or structures that are not to be demolished.

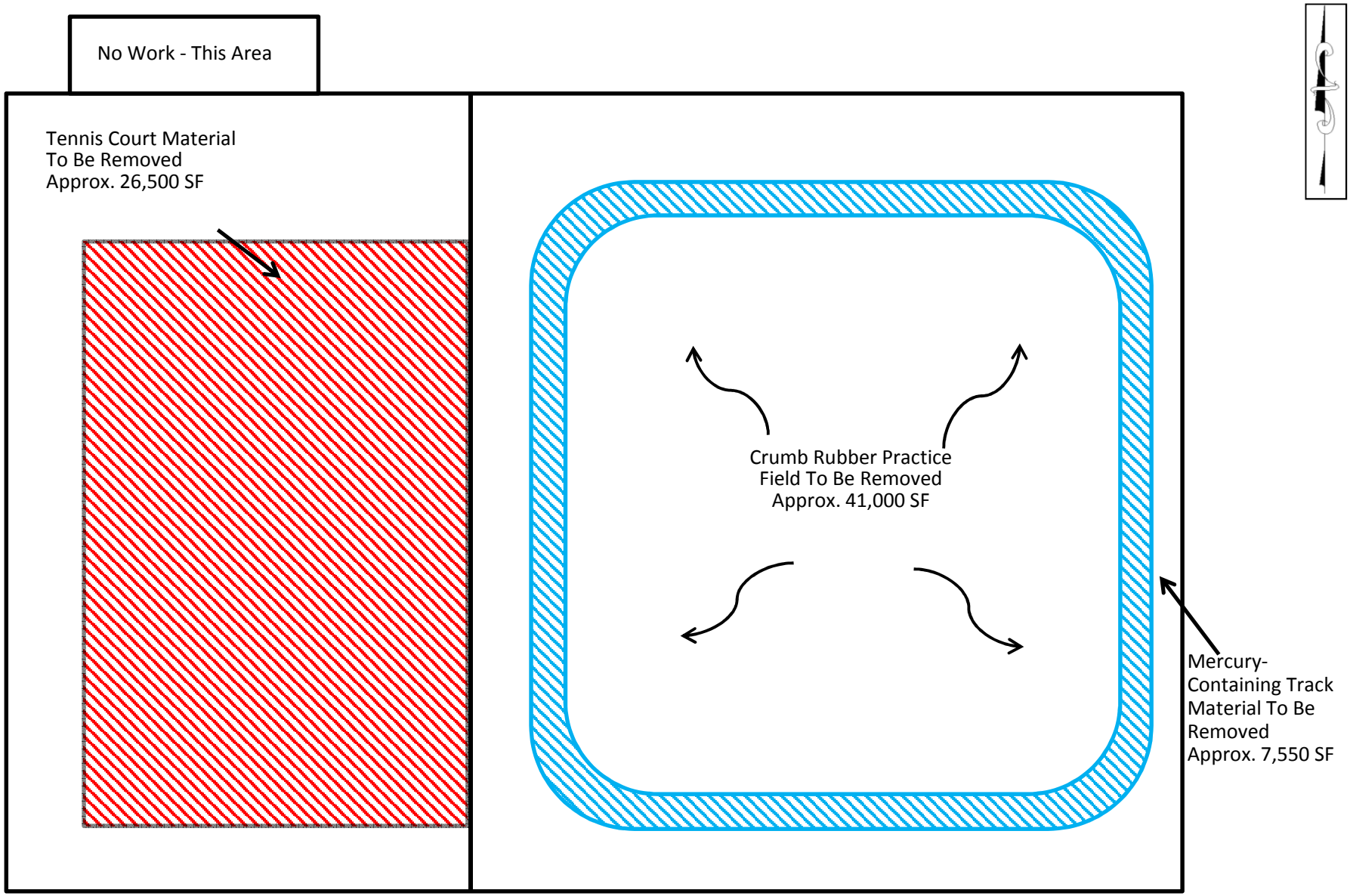
14.2. Comply with all applicable Federal, State and Local regulations.

14.3. All personnel who enter the work area shall be 40-hour HAZWOPER trained.

14.4. The facility is located in an urban setting and is an active part of the USC campus. Contractor shall become familiar with the surrounding operations and any consequential effects they may have on the work.

END OF SPECIFICATION

APPENDIX I – Demolition Plan



SCALE:	NTS
CHECKED BY:	TB
DRAWN BY:	OA
DATE:	12/17/2014

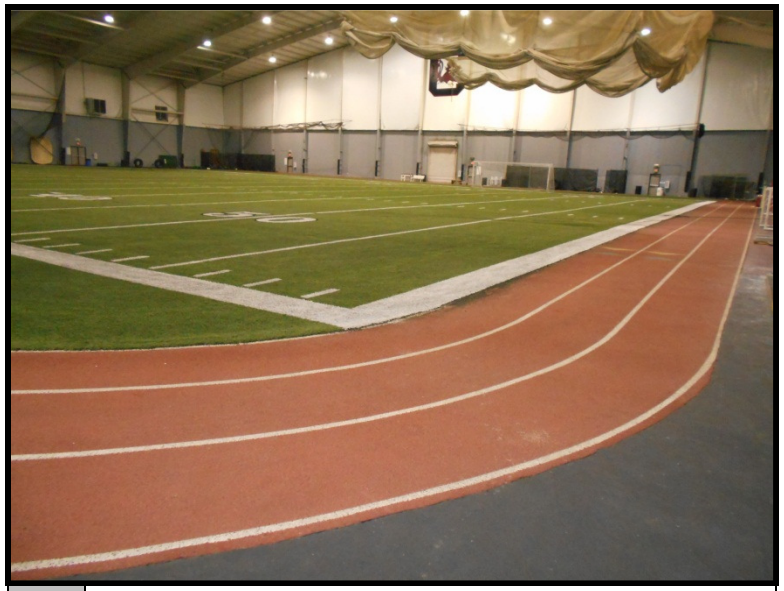
S&ME

BUILDING LAYOUT/DEMOLITION PLAN
USC FIELD HOUSE
SOUTH MARION STREET
COLUMBIA, RICHLAND COUNTY, SC

S&ME PROJECT NO. 4261-14-174

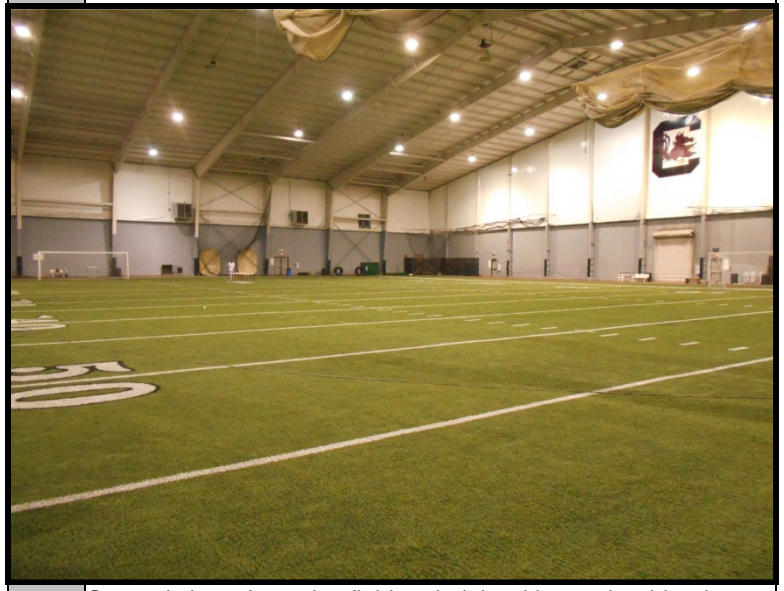
FIGURE NO.
1

APPENDIX II - Photographs



1	General view of the subject athletic track and practice field area to be demolished.

2	General view of mercury-containing track surface material (Approximately 7,550 sq. ft.).



3	General view of practice field underlain with crumb rubber base (Approximately 41,000 sq. ft.)

4	Artificial turf underlain with crumb rubber.

S&ME	**Site Photographs** **Athletic Track & Tennis Court** **USC Field House - Columbia, South Carolina**	S&ME Project 4261-14-174 Taken by: O. Astwood | Date: December 2014

5	View of tennis court area to be demolished (Approximately 26,500 sq. ft.).

6	General view of tennis court area.

7	Black and green tennis court surface material. Both black and green layers are to be removed.

APPENDIX III – Laboratory Reports

FM00467606 *FM00467606* USC Work Order

Description TEST ALL MATERIALS IN FIELD HOUSE AND LOCKER AREA

Site	COLUMBIA	**Assigned To**	JPROVENCE
Building	186 FIELD HOUSE	**Crew**	HAZMAT
Floor	**Room:**	**Start Date**	**Priority** 5
Equipment		**Due date**	08-OCT-14
		Request Date	08-SEP-14 **by** ADERRICK

Request # FM00467606 **Description** TEST ALL MATERIALS IN FIELD HOUSE AND LOCKER AREA
Parent WO #

CP Number CP00371749 FIELD HOUSE CONVERSION

State/Internal Project Number H27-6105

Requestor	DERRICK,ANN	**Project Manager**	DERRICK, ANN
Telephone	7-5811	**Telephone**	777-5811
Alternate		**Estimated Cost**	$ 472.00
Telephone		**Billing**	FIXED PRICE
Non-Available Time		53100-W804-57120	(ATHLETIC VILLAGE IMPROVEMENTS)

Task List

RENOVATIONS TO BEGIN IN MAY, 2015, COULD TOUCH ANY PORTION OF BUILDING - NEED EVERYTHING TESTED IN MAIN BLDG AND IN LOCKER ROOM AREA

DATE WORK STARTED	**CAUSE**
DATE WORK COMPLETED	**CONDITION**
EQUIPMENT	
CLOSING REMARKS	

BENCHSTOCK MATERIALS

Qty	Description	Price Per Unit

Supervisor's Approval _____

Note Date	Title
05-NOV-14	**HAZMAT SURVEY RESULTS - REVISED 12/5/14**

SURVEY DATES: 10/28/14 AND 12/3/14

INSPECTOR #: DARRYL WASHINGTON II (BI-00568) AND ERIC MELARO (BI-01296)

STATUS: THIS SURVEY WAS CONDUCTED IN PREPARATION FOR THE RENOVATION OF THE FIELD HOUSE.

THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND THE RESULTS FOLLOW.

TENNIS COURTS (GREEN AND BLACK LAYERS) – NEGATIVE FOR ASBESTOS (WHILE NEITHER LAYER MEETS THE SCDHEC OR OSHA DEFINITION OF ASBESTOS-CONTAINING MATERIAL, ASBESTOS WAS IDENTIFIED AT LESS THAN 1 PERCENT IN MULTIPLE SAMPLES. AS A RESULT, WE DO NOT WANT TO RENDER THE MATERIAL FRIABLE AND INCREASE THE CHANCE OF ASBESTOS FIBERS BEING RELEASED.)

RED VINYL FLOORING / GLUE (CONNECTOR HALLWAY) – NEGATIVE FOR ASBESTOS (DO NOT CUT, SAW OR GRIND THE RED VINYL FLOORING / GLUE! WHILE THESE MATERIALS DID NOT MEET THE SCDHEC OR OSHA DEFINITION OF ASBESTOS-CONTAINING MATERIAL, ASBESTOS WAS

IDENTIFIED AT LESS THAN 1 PERCENT IN ONE GLUE SAMPLE. AS A RESULT, WE DO NOT WANT TO RENDER THE MATERIAL FRIABLE AND INCREASE THE CHANCE OF ASBESTOS FIBERS BEING RELEASED.)

GREY VINYL FLOORING / GLUE (CONNECTOR HALLWAY) – NEGATIVE FOR ASBESTOS (DO NOT CUT, SAW OR GRIND THE GREY VINYL FLOORING / GLUE! WHILE THESE MATERIALS DID NOT MEET THE SCDHEC OR OSHA DEFINITION OF ASBESTOS-CONTAINING MATERIAL, ASBESTOS WAS IDENTIFIED AT LESS THAN 1 PERCENT IN ONE GLUE SAMPLE. AS A RESULT, WE DO NOT WANT TO RENDER THE MATERIAL FRIABLE AND INCREASE THE CHANCE OF ASBESTOS FIBERS BEING RELEASED.)

BLACK VINYL BASE / GLUE (CONNECTOR HALLWAY) – NEGATIVE FOR ASBESTOS

2X2 WHITE CEILING TILE (CONNECTOR HALLWAY) – NEGATIVE FOR ASBESTOS

WHITE DUCT MASTIC (CONNECTOR HALLWAY) – NEGATIVE FOR ASBESTOS (PREVIOUSLY TESTED)

BLACK FLOOR MATS / MASTIC (FOOTBALL SIDE OF FIELD HOUSE) – NEGATIVE FOR ASBESTOS

BLACK CAULKING (ALONG BLACK FLOOR MATS) – NEGATIVE FOR ASBESTOS

TURF ADHESIVE (FOOTBALL SIDE OF FIELD HOUSE) – NEGATIVE FOR ASBESTOS

REDUCER STRIP (BETWEEN FOOTBALL AND TENNIS SIDES OF FIELD HOUSE) – NEGATIVE FOR ASBESTOS

THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR LEAD AND THE RESULTS FOLLOW.

BLACK DOOR FRAME PAINT (CONNECTOR HALLWAY AND FIELD HOUSE) – NEGATIVE FOR LEAD

TAN BEAM PAINT – NEGATIVE FOR LEAD

GRAY BEAM PAINT – NEGATIVE FOR LEAD

GRAY CONCRETE WALL PAINT – NEGATIVE FOR LEAD

GRAY METAL DOOR PAINT – NEGATIVE FOR LEAD

OFF-WHITE CONCRETE WALL PAINT (EXTERIOR) – NEGATIVE FOR LEAD

TAN STAIRWAY PAINT (FOOTBALL SIDE OF FIELD HOUSE) – NEGATIVE FOR LEAD

WHITE LINES ON TRACK SURFACE – NEGATIVE FOR LEAD

GREEN TENNIS COURT SURFACE – NEGATIVE FOR LEAD

DARK GREEN TENNIS COURT SURFACE – NEGATIVE FOR LEAD

WHITE LINES ON TENNIS COURT SURFACE – NEGATIVE FOR LEAD

BLACK FENCE PAINT (AROUND TENNIS COURTS) – NEGATIVE FOR LEAD

FADED RED DOWN SPOUT PAINT (EXTERIOR) – NEGATIVE FOR LEAD

GARNET FLOOR PAINT – NEGATIVE FOR LEAD (PREVIOUSLY TESTED)

GREY CONCRETE WALL PAINT (CONNECTOR HALLWAY) – NEGATIVE FOR LEAD (PREVIOUSLY TESTED)

RED CONCRETE WALL PAINT (CONNECTOR HALLWAY) – NEGATIVE FOR LEAD (PREVIOUSLY TESTED)

05-NOV-14 HAZMAT SURVEY RESULTS (CONTINUED)

INSPECTOR'S NOTES:

THE TRACK SURFACE (FOOTBALL SIDE OF FIELD HOUSE) IS NOT SUSPECT FOR ASBESTOS. IT IS HELD IN PLACE WITH A CLEAR EPOXY ADHESIVE WHICH ALSO IS NOT SUSPECT FOR ASBESTOS.

THE ARTIFICIAL TURF (FOOTBALL SIDE OF FIELD HOUSE) IS NOT SUSPECT FOR ASBESTOS. DUE TO THE PRESENCE OF CRUMB RUBBER, HOWEVER,

BOTH THE ARTIFICIAL TURF AND THE CRUMB RUBBER MUST BE DISPOSED OF IN A LINED CLASS III LANDFILL.

THE METAL DOORS ALONG THE PERIMETER OF THE FIELD HOUSE ARE NOT SUSPECT FOR ASBESTOS. THEY APPEAR TO HAVE FIBERGLASS CORES WHICH ALSO ARE NOT SUSPECT FOR ASBESTOS.

THE CONCRETE WALLS, METAL SUPPORT BEAMS, METAL WALLS, METAL ROOF AND BATTED FIBERGLASS INSULATION IN THE FIELD HOUSE ARE NOT SUSPECT FOR ASBESTOS.

NO SUSPECT MATERIALS WERE IDENTIFIED UNDER THE GRAY CARPET (TENNIS SIDE OF FIELD HOUSE). THE CARPET IS DIRECTLY OVER CONCRETE WITH YELLOW GLUE HOLDING IT IN PLACE. THE GLUE IS NOT SUSPECT FOR ASBESTOS.

NO PIPING WAS OBSERVED IN THE FIELD HOUSE.

THE WALLS IN THE CONNECTOR HALLWAY ARE CONCRETE BLOCK AND ARE NOT SUSPECT FOR ASBESTOS. THE BLOCK WALLS CONTINUE ALL THE WAY TO THE ROOF DECK.

NO SUSPECT MATERIALS WERE OBSERVED ON THE ROOF DRAIN OR WATER LINE ABOVE THE CONNECTOR HALLWAY CEILING.

THE BATTED FIBERGLASS INSULATION ABOVE THE CONNECTOR HALLWAY CEILING IS NOT SUSPECT FOR ASBESTOS.

THE EXPANSION JOINTS BETWEEN THE CONCRETE PANELS ON THE EXTERIOR OF THE BUILDING WERE NOT SAMPLED AS PART OF THIS SURVEY AS WE DID NOT WANT TO UNNECESSARILY DAMAGE THEM. IF THE EXPANSION JOINTS NEED TO BE DISTURBED AS PART OF THIS PROJECT, THEY WILL NEED TO BE SAMPLED AT A LATER DATE.

THE RED PAINT ON THE EXTERIOR METAL PORTION OF THE BUILDING IS FACTORY-COATED AND NOT SUSPECT FOR LEAD.

THE TENNIS COURT SURFACE IS ABOUT 26,500 SQUARE FEET. PLEASE DISREGARD THE QUANTITY LISTED ON THE CHAIN OF CUSTODY.

SEE THE “LIMITED ASBESTOS CONTAINING MATERIALS INVESTIGATION REPORT” THAT WAS COMPLETED BY F&ME ON JUNE 11, 2013 FOR THE REPORT OF PREVIOUS WHITE DUCT MASTIC DATA.

SEE FM00419598 AND FM00453239 FOR THE REPORTS OF PREVIOUS LEAD DATA.

IF YOU ENCOUNTER ANY OTHER MATERIALS IN PLACE AND DEEM THEM SUSPECT FOR ASBESTOS AND/OR LEAD, PLEASE STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT.

PLEASE NOTE THAT THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT.

REFER TO THE SURVEY RESULTS ATTACHED TO THE WORK ORDER FOR DETAILED INFORMATION.

EMSL Analytical, Inc.
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Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com greensborolab@emsl.com

EMSL Order:	021406301
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone:	(803) 777-7000
Fax:	(803) 777-3990
Received:	10/29/14 10:00 AM
Analysis Date:	10/29/2014
Collected:	

Project: **186 Field House**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
1-Cove Base *021406301-0001*	Blk Vinyl Base/Glue	Gray/Black Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
1-Mastic *021406301-0001A*	Blk Vinyl Base/Glue	Green/Clear Non-Fibrous Homogeneous	1%	Synthetic	99% Non-fibrous (other)	**None Detected**
2-Cove Base *021406301-0002*	Blk Vinyl Base/Glue	Gray/Black Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2-Mastic *021406301-0002A*	Blk Vinyl Base/Glue	Green/Clear Non-Fibrous Homogeneous	1% <1%	Synthetic Cellulose	99% Non-fibrous (other)	**None Detected**
3-Cove Base *021406301-0003*	Blk Vinyl Base/Glue	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
3-Mastic *021406301-0003A*	Blk Vinyl Base/Glue	Clear Non-Fibrous Homogeneous	2% <1%	Synthetic Cellulose	98% Non-fibrous (other)	**None Detected**
4-Flooring *021406301-0004*	Red Vinyl Flooring/Glue	Gray/Red/Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
4-Mastic *021406301-0004A*	Red Vinyl Flooring/Glue	Yellow/Beige/Gold Non-Fibrous Heterogeneous	<1% <1%	Cellulose Synthetic	100% Non-fibrous (other)	**None Detected**

Analyst(s)

Nicole Shutts (14)
Scott Combs (28)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 10/30/2014 09:22:55

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			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
5-Flooring *021406301-0005*	Red Vinyl Flooring/Glue	Gray/Red/Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
5-Mastic *021406301-0005A*	Red Vinyl Flooring/Glue	Yellow/Beige/Gold Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic		100% Non-fibrous (other)	**None Detected**
6-Flooring *021406301-0006*	Red Vinyl Flooring/Glue	Gray/Red/Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
6-Mastic *021406301-0006A*	Red Vinyl Flooring/Glue	Tan Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic		100% Non-fibrous (other)	**None Detected**
7-Flooring *021406301-0007*	Grey Vinyl Flooring/Glue	Gray/Black/Beige Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
7-Mastic *021406301-0007A*	Grey Vinyl Flooring/Glue	Yellow/Beige/Gold Non-Fibrous Homogeneous	1% Cellulose 1% Synthetic		98% Non-fibrous (other)	**None Detected**
8-Flooring *021406301-0008*	Grey Vinyl Flooring/Glue	Gray/Black/Beige Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
8-Mastic *021406301-0008A*	Grey Vinyl Flooring/Glue	Yellow/Beige/Gold Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic		100% Non-fibrous (other)	**None Detected**

Analyst(s)

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**		**% Type**
9-Flooring *021406301-0009*	Grey Vinyl Flooring/Glue	Gray/Black/Beige Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
9-Mastic *021406301-0009A*	Grey Vinyl Flooring/Glue	Tan Non-Fibrous Homogeneous	<1% 1%	Cellulose Synthetic	99%	Non-fibrous (other)	**None Detected**
10 *021406301-0010*	2x2 White Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 15%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
11 *021406301-0011*	2x2 White Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 15%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
12 *021406301-0012*	2x2 White Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 15%	Cellulose Min. Wool	20% 20%	Perlite Non-fibrous (other)	**None Detected**
13-Floor Mat *021406301-0013*	Black Floor Mat	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
13-Mastic *021406301-0013A*	Black Floor Mat	Beige Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
14-Floor Mat *021406301-0014*	Black Floor Mat	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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Project: **186 Field House**

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**		**% Type**
14-Mastic *021406301-0014A*	Black Floor Mat	Beige Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
15-Floor Mat *021406301-0015*	Black Floor Mat	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
15-Mastic *021406301-0015A*	Black Floor Mat	Beige Non-Fibrous Homogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
16 *021406301-0016*	Black Caulking	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
17 *021406301-0017*	Black Caulking	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18 *021406301-0018*	Black Caulking	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
19-Reducer Strip *021406301-0019*	Reducer Strip	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
19-Mastic *021406301-0019A*	Reducer Strip	Green/Clear Non-Fibrous Homogeneous	1% <1%	Synthetic Cellulose	99%	Non-fibrous (other)	**None Detected**

Analyst(s)

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Project: **186 Field House**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
20-Reducer Strip *021406301-0020*	Reducer Strip	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
20-Mastic *021406301-0020A*	Reducer Strip	Green/Clear Non-Fibrous Homogeneous	1% <1%	Synthetic Cellulose	99% Non-fibrous (other)	**None Detected**
21-Reducer Strip *021406301-0021*	Reducer Strip	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
21-Mastic *021406301-0021A*	Reducer Strip	Clear Non-Fibrous Homogeneous	2% <1%	Synthetic Cellulose	98% Non-fibrous (other)	**None Detected**
22 *021406301-0022*	Turf Adhesive	Yellow/Beige/Gold Non-Fibrous Heterogeneous	<1% <1%	Synthetic Cellulose	100% Non-fibrous (other)	**None Detected**
23 *021406301-0023*	Turf Adhesive	Yellow/Beige/Gold Non-Fibrous Heterogeneous	<1% <1%	Synthetic Cellulose	100% Non-fibrous (other)	**None Detected**
24 *021406301-0024*	Turf Adhesive	Yellow/Beige Non-Fibrous Homogeneous	<1% <1%	Cellulose Synthetic	100% Non-fibrous (other)	**None Detected**
25 *021406301-0025*	Court Flooring	Black/Green Non-Fibrous Heterogeneous	1% <1%	Cellulose Synthetic	99% Non-fibrous (other)	**None Detected**

Analyst(s)

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Stephen Bennett, Laboratory Manager
or other approved signatory

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Project: **186 Field House**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
26 *021406301-0026*	Court Flooring	Black/Green Non-Fibrous Heterogeneous	<1% Cellulose <1% Synthetic		100% Non-fibrous (other)	**None Detected**
27 *021406301-0027*	Court Flooring	Black/Green Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic		100% Non-fibrous (other)	**None Detected**

Analyst(s)

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Scott Combs (28)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 10/30/2014 09:22:55

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Collected:	

Project: **186 Field House**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
3-Cove Base *021406301-0003*	Blk Vinyl Base/Glue	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
3-Mastic *021406301-0003A*	Blk Vinyl Base/Glue	Clear Fibrous Homogeneous	100	None	No Asbestos Detected
6-Flooring *021406301-0006*	Red Vinyl Flooring/Glue	Red Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
6-Mastic *021406301-0006A*	Red Vinyl Flooring/Glue	Brown Non-Fibrous Homogeneous	99.9	None	0.10% Chrysotile
9-Flooring *021406301-0009*	Grey Vinyl Flooring/Glue	Gray/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
9-Mastic *021406301-0009A*	Grey Vinyl Flooring/Glue	Brown Non-Fibrous Homogeneous	99.9	None	0.14% Chrysotile
15-Floor Mat *021406301-0015*	Black Floor Mat	Black Fibrous Heterogeneous	100	None	No Asbestos Detected
15-Mastic *021406301-0015A*	Black Floor Mat	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
18 *021406301-0018*	Black Caulking	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s)

Stephen Bennett (13)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 10/31/2014 08:37:26

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Project: **186 Field House**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
21-Reducer Strip *021406301-0021*	Reducer Strip	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
21-Mastic *021406301-0021A*	Reducer Strip	Tan/Clear Fibrous Heterogeneous	100	None	No Asbestos Detected
24 *021406301-0024*	Turf Adhesive	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
27 *021406301-0027*	Court Flooring	Black/Green Fibrous Heterogeneous	97.5	None	2.5% Chrysotile

Analyst(s)

Stephen Bennett (13)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 10/31/2014 08:37:26

OrderID: 021406301

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 6301

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: University of South Carolina	**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 743 Greene Street	
City: Columbia **State/Province:** SC	**Zip/Postal Code:** 29208 **Country:** US
Report To (Name): USC Hazmat	**Telephone #:** 803-509-3376
Email Address: asbestos@mailbox.sc.edu	**Fax #:** **Purchase Order:**
Project Name/Number: Field Book	**Please Provide Results:** ☐ Fax ☒ Email
U.S. State Samples Taken: SC	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide*

PLM - Bulk (reporting limit)

- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NY ELAP Method 198.1 (friable in NY)
- ☐ NY ELAP Method 198.6 NOB (non-friable-NY)
- ☐ OSHA ID-191 Modified
- ☐ Standard Addition Method

TEM – Bulk

- ☒ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5 1
- ☐ NY ELAP Method 198.4 (TEM)
- ☐ Chatfield Protocol (semi-quantitative)
- ☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
- ☐ TEM Qualitative via Filtration Prep Technique
- ☐ TEM Qualitative via Drop Mount Prep Technique

Other

- ☐

☒ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:**

Samplers Name: **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description

Client Sample # (s): **Total # of Samples:** 27

Relinquished (Client): **Date:** **Time:**

Received (Lab): NS **Date:** 10/29/14 **Time:** 10:00

Comments/Special Instructions: EMSL FX 7900 7893 0824

6301

UNIVERSITY OF SOUTH CAROLINA

Sample Analysis

Building # 186 FIELD HOUSE Type of Analysis: Lead / Asbestos Date: 10/28/14 Turn Around Time 24 HRS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	BLK VINYL BASE / GLUE	AROUND WALLS OF HALL / LOBBY AREA	NF	G	<100 LIN FT	LOW
A	2	BLK VINYL BASE / GLUE	AROUND WALLS OF HALL / LOBBY AREA	NF	G	<100 LIN FT	LOW
A	3	BLK VINYL BASE / GLUE	AROUND WALLS OF HALL / LOBBY AREA (TEM if neg)	NF	G	<100 LIN FT	LOW
B	4	RED VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT	NF	G	<500 SQ FT	LOW
B	5	RED VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT	NF	G	<500 SQ FT	LOW
B	6	RED VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT (TEM if neg)	NF	G	<500 SQ FT	LOW
C	7	GREY VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT	NF	G	<250 SQ FT	LOW
C	8	GREY VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT	NF	G	<250 SQ FT	LOW
C	9	GREY VINYL FLOORING / GLUE	FLOORING OF HALLWAY / ENTRY TO INSIDE OF COURT (TEM if neg)	NF	G	<250 SQ FT	LOW
D	10	2X2 WHITE CEILING TILE	CEILING OF ENTRY WAY / ENTRY TO COURT	F	G	<1000 SQ FT	LOW

License # ASBI-00568 FM# FM00467606 Signature [signature] Requestor ANN DERRICK

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

OrderID: 021406301

6301

UNIVERSITY OF SOUTH CAROLINA

Sample Analysis

Building #_____ Type of Analysis: Lead / Asbestos Date:_____ Turn Around Time _____

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
D	11	2X2 WHITE CEILING TILE	CEILING OF HALLWAY / CONNECTOR HALL	F	G	<1000 SQ FT	LOW
D	12	2X2 WHITE CEILING TILE	CEILING OF HALLWAY / CONNECTOR HALL	F	G	<1000 SQ FT	LOW
E	13	BLACK FLOOR MAT	FOOTBALL SIDE OF FIELDHOUSE	NF	G	<2000 SQ FT	LOW
E	14	BLACK FLOOR MAT	FOOTBALL SIDE OF FIELDHOUSE	NF	G	<2000 SQ FT	LOW
E	15	BLACK FLOOR MAT (TOM IF NEG)	FOOTBALL SIDE OF FIELDHOUSE	NF	G	<2000 SQ FT	LOW
F	16	BLACK CAULKING	ALONG SIDE OF THE INDOOR FIELD (FOOTBALL SIDE)	NF	G	<500 SQ FT	LOW
F	17	BLACK CAULKING	ALONG SIDE OF THE INDOOR FIELD (FOOTBALL SIDE)	NF	G	<500 SQ FT	LOW
F	18	BLACK CAULKING (TOM IF NEG)	ALONG SIDE OF THE INDOOR FIELD (FOOTBALL SIDE)	NF	G	<500 SQ FT	LOW
G	19	REDUCER STRIP	BETWEEN BOTH TRACK AND COURT @ ROLLUP DOOR	NF	G	8 LIN FT	LOW
G	20	REDUCER STRIP	BETWEEN BOTH TRACK AND COURT @ ROLLUP DOOR	NF	G	8 LIN FT	LOW

License #_____ FM#_____ Signature_____ Requestor_____

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

6301

UNIVERSITY OF SOUTH CAROLINA

Sample Analysis

Building #_____ Type of Analysis: Lead / Asbestos Date:_____ Turn Around Time _____

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
E	21	REDUCER STRIP (TEM if neg)	BETWEEN BOTH TRACK AND COURT @ ROLLUP DOOR	NF	G	8 LIN FT	LOW
F	22	TURF ADHESIVE	FOOTBALL SIDE UNDER TURF	NF	G	320 LIN FT	LOW
F	23	TURF ADHESIVE	FOOTBALL SIDE UNDER TURF	NF	G	320 LIN FT	LOW
F	24	TURF ADHESIVE (TEM if neg)	FOOTBALL SIDE UNDER TURF	NF	G	320 LIN FT	LOW
G	25	COURT FLOORING	TENNIS COURT SIDE FLOORING OF COURT	NF	G	6300 SQ FT	LOW
G	26	COURT FLOORING	TENNIS COURT SIDE FLOORING OF COURT	NF	G	6300 SQ FT	LOW
G	27	COURT FLOORING (TEM if neg)	TENNIS COURT SIDE FLOORING OF COURT	NF	G	6300 SQ FT	LOW

License #_____ FM#_____ Signature_____ Requestor_____

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

OrderID: 021406301

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com greensborolab@emsl.com

EMSL Order:	021406972
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone:	(803) 777-7000
Fax:	(803) 777-3990
Received:	12/04/14 10:00 AM
Analysis Date:	12/5/2014
Collected:	

Project: **186 Field House**

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

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
1 *021406972-0001*	Green Material	Green Non-Fibrous Homogeneous	<1%	Cellulose	10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
2 *021406972-0002*	Green Material	Green Non-Fibrous Heterogeneous	<1%	Cellulose	10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
3 *021406972-0003*	Green Material	Green Non-Fibrous Heterogeneous	<1%	Cellulose	10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
4 *021406972-0004*	Green Material	Green Non-Fibrous Heterogeneous			10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
5 *021406972-0005*	Green Material	Green Non-Fibrous Heterogeneous	1%	Cellulose	10% 89%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
6 *021406972-0006*	Green Material	Green Non-Fibrous Homogeneous	<1%	Cellulose	10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
7 *021406972-0007*	Green Material	Green Non-Fibrous Homogeneous	<1%	Cellulose	10% 90%	Quartz Non-fibrous (other)	**<1%**	**Chrysotile**
8 *021406972-0008*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)		**None Detected**

Analyst(s)

Nicole Shutts (10)
Scott Combs (4)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 12/05/2014 08:54:41

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com greensborolab@emsl.com

EMSL Order: 021406972
CustomerID: UNSC62
CustomerPO:
ProjectID:

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone: (803) 777-7000
Fax: (803) 777-3990
Received: 12/04/14 10:00 AM
Analysis Date: 12/5/2014
Collected:

Project: **186 Field House**

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**		**% Type**
9 *021406972-0009*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**
10 *021406972-0010*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**
11 *021406972-0011*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**
12 *021406972-0012*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**
13 *021406972-0013*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**
14 *021406972-0014*	Black Material	Black Non-Fibrous Heterogeneous	<1%	Cellulose	20% 80%	Quartz Non-fibrous (other)	**None Detected**

Analyst(s)

Nicole Shutts (10)
Scott Combs (4)

Stephen Bennett, Laboratory Manager
or other approved signatory

Initial report from 12/05/2014 08:54:41

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com greensborolab@emsl.com

EMSL Order:	021406301
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone:	(803) 777-7000
Fax:	(803) 777-3990
Received:	11/21/14 1:00 PM
Analysis Date:	11/24/2014
Collected:	

Project: **186 Field House**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
3-Cove Base *021406301-0003*	Blk Vinyl Base/Glue	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
3-Mastic *021406301-0003A*	Blk Vinyl Base/Glue	Clear Fibrous Homogeneous	100	None	No Asbestos Detected
6-Flooring *021406301-0006*	Red Vinyl Flooring/Glue	Red Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
6-Mastic *021406301-0006A*	Red Vinyl Flooring/Glue	Brown Non-Fibrous Homogeneous	99.9	None	0.10% Chrysotile
9-Flooring *021406301-0009*	Grey Vinyl Flooring/Glue	Gray/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
9-Mastic *021406301-0009A*	Grey Vinyl Flooring/Glue	Brown Non-Fibrous Homogeneous	99.9	None	0.14% Chrysotile
15-Floor Mat *021406301-0015*	Black Floor Mat	Black Fibrous Heterogeneous	100	None	No Asbestos Detected
15-Mastic *021406301-0015A*	Black Floor Mat	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
18 *021406301-0018*	Black Caulking	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s)

Stephen Bennett (14)

Stephen Bennett, Laboratory Manager
or other approved signatory

Report Amended: 12/03/2014 12:04:15 Replaces Report Amended: 11/24/2014 13:48:43. Reason Code: Client-Samples Removed

EMSL Analytical, Inc.
706 Gralin Street, Kernersville, NC 27284
Phone/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com greensborolab@emsl.com

EMSL Order:	021406301
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: **USC Hazmat**
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone:	(803) 777-7000
Fax:	(803) 777-3990
Received:	11/21/14 1:00 PM
Analysis Date:	11/24/2014
Collected:	

Project: **186 Field House**

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
21-Reducer Strip *021406301-0021*	Reducer Strip	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
21-Mastic *021406301-0021A*	Reducer Strip	Tan/Clear Fibrous Heterogeneous	100	None	No Asbestos Detected
24 *021406301-0024*	Turf Adhesive	Tan Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
27-Green Layer *021406301-0027A*	Court Flooring	Green Non-Fibrous Homogeneous	100	None	No Asbestos Detected
27-Black Layer *021406301-0027B*	Court Flooring	Black Non-Fibrous Heterogeneous	100	None	<0.95% Chrysotile

Analyst(s)

Stephen Bennett (14)

Stephen Bennett, Laboratory Manager
or other approved signatory

Report Amended: 12/03/2014 12:04:15 Replaces Report Amended: 11/24/2014 13:48:43. Reason Code: Client-Samples Removed

OrderID: 021406972

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only): 6972

EMSL Analytical, Inc
200 Route 130 North
Cinnaminson, NJ 08077
Phone: (800) 220-3675
Fax: (856) 786-5974

Company: University of South Carolina	**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 743 Greene Street	
City: Columbia **State/Province:** SC	**Zip/Postal Code:** 29208 **Country:** US
Report To (Name): USC Hazmat	**Telephone #:** 803-509-3376
Email Address: asbestos@mailbox.sc.edu	**Fax #:** **Purchase Order:**
Project Name/Number: Field House	**Please Provide Results:** ☐ Fax ☒ Email
U.S. State Samples Taken: SC	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT You will be asked to sign an authorization form for this service Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide*

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5 5 1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:**

Samplers Name: **Samplers Signature:**

Sample #	HA #	Sample Location	Material Description

Client Sample # (s): - **Total # of Samples:** 14

Relinquished (Client): **Date:** **Time:**

Received (Lab): JH **Date:** 12-24-14 **Time:** 10Am

Comments/Special Instructions:

CMSLFX 7900 9905 0214 (3)

UNIVERSITY OF SOUTH CAROLINA

6972

Sample Analysis

Building # 186 FIELD HOUSE Type of Analysis: Lead / Asbestos Date: 12/3/14 Turn Around Time 24 HRS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	GREEN MATERIAL	A- PER DRAWING	F	G	<5000 SQ FT	LOW
A	2	GREEN MATERIAL	B- PER DRAWING	F	G	<5000 SQ FT	LOW
A	3	GREEN MATERIAL	C- PER DRAWING	F	G	<5000 SQ FT	LOW
A	4	GREEN MATERIAL	D- PER DRAWING	F	G	<5000 SQ FT	LOW
A	5	GREEN MATERIAL	E- PER DRAWING	F	G	<5000 SQ FT	LOW
A	6	GREEN MATERIAL	F- PER DRAWING	F	G	<5000 SQ FT	LOW
A	7	GREEN MATERIAL	G- PER DRAWING	F	G	<5000 SQ FT	LOW
B	8	BLACK MATERIAL	A- PER DRAWING			<5000 SQ FT	LOW
B	9	BLACK MATERIAL	B- PER DRAWING			<5000 SQ FT	LOW
B	10	BLACK MATERIAL	C- PER DRAWING			<5000 SQ FT	LOW

License # BI-00568 FM# FM00467606 Signature _____ Requestor ANN DERRICK

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

OrderID: 021406972

UNIVERSITY OF SOUTH CAROLINA

6972

Building # 186 FIELD HOUSE

Sample Analysis

Type of Analysis: Lead / Asbestos Date:

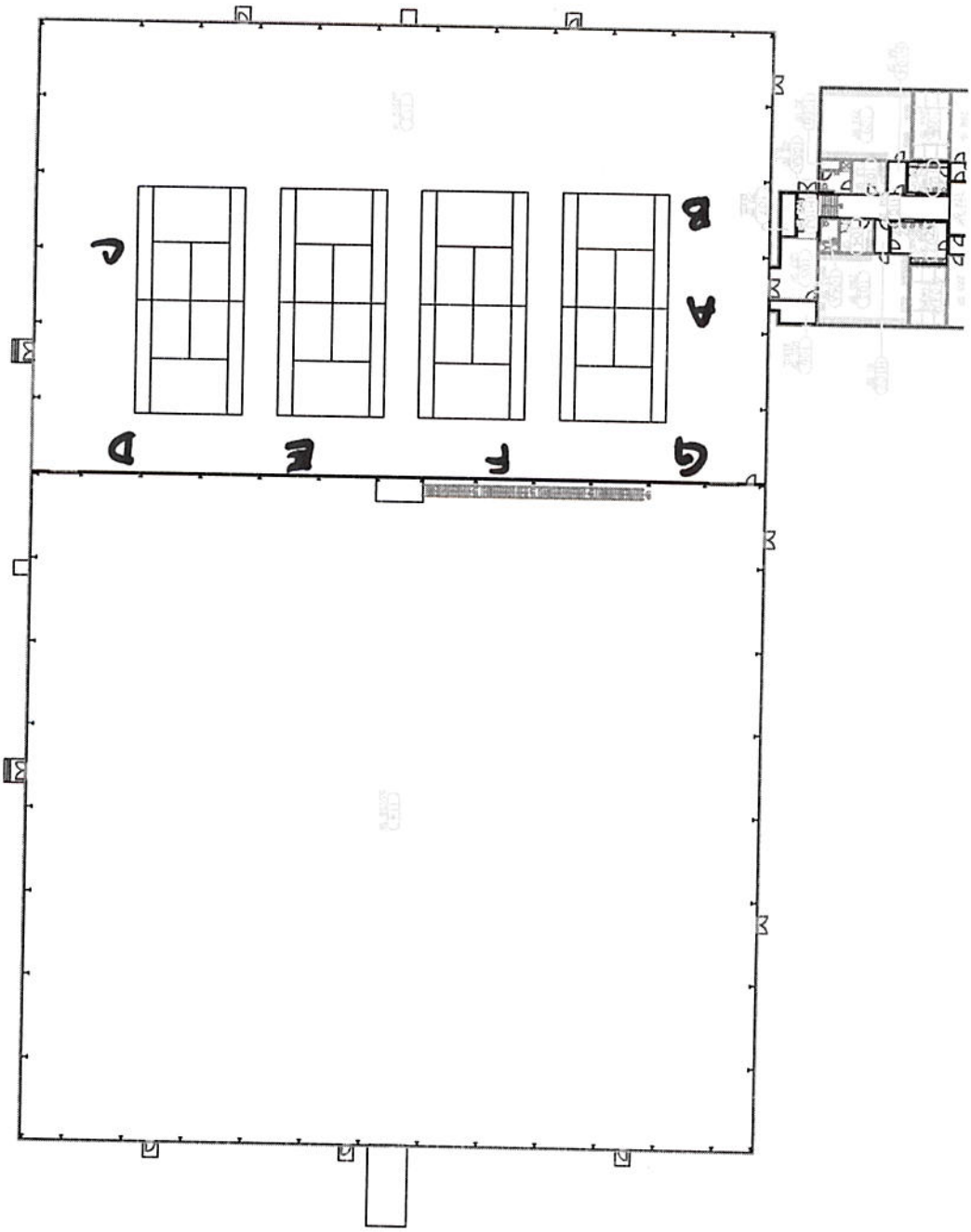
Turn Around Time 24 HRS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
B	11	BLACK MATERIAL	D- PER DRAWING	F	G	<5000 SQ FT	LOW
B	12	BLACK MATERIAL	E- PER DRAWING	F	G	<5000 SQ FT	LOW
B	13	BLACK MATERIAL	F- PER DRAWING	F	G	<5000 SQ FT	LOW
B	14	BLACK MATERIAL	G- PER DRAWING	F	G	<5000 SQ FT	LOW

License # BI-00568 FM# FM00467606 Signature Requestor ANN DERRICK

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

OrderID: 021406972



University of South Carolina

CAMPUS PLANNI
AND CONSTRUCT

University of South Carolina
Pre Bid Sign In Sheet
Columbia, South Carolina

Project Name: Athletic Village Improvement - Field House Conversion
Project Number: H27-61405-MJ-C
Pre Bid Date & Time: August 23, 2016 at 11:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	743 Greene St, Columbia, SC	803.777.3596	jbrookin@fmc.sc.edu
Yes No	Randy Corn	Concrete Supply	2021 Taylor St Columbia SC	600-7427	randy.corn@concretesupplyco.com
Yes No	Kevin Quinn	Carter Con	165 Scaton Ridge Dr Blythewood SC	803-361-4496	Kevin@carterconsc.com
Yes No	Davis Lee	M. Dillon Construction	PO Box 90472 Columbia, SC 29290	803-748-8859	davis@mdillonconstruction.com
Yes No	Randy Fields	R&R Assoc. Inc.	PO Box 6954 Cola SC 29206	803-738-2969	abbycates@gmail.com
Yes No	Dan Smith	Smith Constructors	PO Box 126 Chapin 29036	803.345.9566	dan@smithconstructors.com
Yes No	Rick Davis	NEO Corp.	289 Silkwood Canton, NC.	864-238-9037	RDavis@neocorporation.com
Yes No	Lyke Wofford	Wofford Demo	126 Symmes Lane Florence SC	8436210962	Woffordderno@aol.com
Yes No	Susan Burke	Exterior Building Services	2265 Clements Ferry Rd Suite 204 Charleston, SC 29492	843-971-7152	info@exteriorbuildingservices.com

****By signing this sheet you agree to receive information electronically.*

University of South Carolina
Pre Bid Sign In Sheet
Columbia, South Carolina

Project Name: Athletic Village Improvement - Field House Conversion
Project Number: H27-61405-MJ-C
Pre Bid Date & Time: August 23, 2016 at 11:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Joel randolph	Randolph and son	1010 colp road charlotte, NC 28241	704-588 7116	joel@randolphbuilders.com
Yes (No)	Don Buchanan	Asbestos Demolition Inc	753 Hwy 601 Lugoff SC	803-513 3762	Don@CIDSInc.com
(Yes) No	Nate Spells Sr.	Construction Dynamics, Inc.	6417 Fairfield Rd Colu., S.C. 29203	(803) 754.3395 Ext 300	nspellssr@cdi-sc.com
Yes No	Greg Tyler	Tyler Const Group	P.O. Box 25037 Cola, SC 29224	803 865-1404	bids@tyler-construction.com
Yes (No)	Howard Mann	MAR CONST	141 River Chase Way Lex SC. 29072	803 796-8960	Howard M @ marconstruction.com
Yes (No)	Robert Laws	MAR Construction	141 Riverchase Way Lexington SC 29072	803 796-8960	Robert L @ marconstruction.com
Yes (No)	DAVE BIXLER	ESP ASSOCIATES	2711 ALPINE RD, STE 200, COLA, SC 29223	803-705-2230	DBIXLER@ESPASSOCIATES.COM
Yes (No)	RANDY LIPSHAY	ESP ASSOCIATES	//	980-406 7272	RLIPSHAY@ESPASSOCIATES.COM
Yes No	Anji Nussbaumer	UCS, Inc	511 Hoffman Rd ~~Charlotte~~ Lincolnton NC 28092	(800) 526-4856	anji@ucsspirit.com

****By signing this sheet you agree to receive information electronically.

University of South Carolina
Pre Bid Sign In Sheet
Columbia, South Carolina

Project Name: Athletic Village Improvement - Field House Conversion
Project Number: H27-61405-MJ-C
Pre Bid Date & Time: August 23, 2016 at 11:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes (No)	CHRIS SEIVAR	PENN CONTRACTING LLC	P.O. BOX 204 BALLENTINE SC 29002	803 407 9724 f 803 781 4142	BOB@PENNCONTRACTING.COM
Yes No	DAVE STEWART	PYRAMID CONTRACTING	1108A LYKESLAND RD, SC	732.205	DAVE@PYRAMIDCONTRACTING.COM
Yes No	BOBBY ALEXANDER	"	"	"	bobby@pyramidcontracting.com
Yes (No)	OWEN ASTWOOD	S&ME	134 Saber Rd Cola, SC 29210	803-561-9024	OAstwood@SAEInc.com
Yes No	MIKE MINCEY	USC - HAZMAT	700 Pendleton St Cola. SC 29209	803-528-1231	MINCEYM@MAILBOX.SC.EDU
Yes No	Hatice Hikmet	USC	743 Greene St.	803-777-9994	hikmet@mailbox.sc.edu
Yes No					
Yes No					
Yes No					

****By signing this sheet you agree to receive information electronically.*

University of South Carolina
Pre Bid Sign In Sheet
Columbia, South Carolina

Project Name: Athletic Village Improvement - Field House Conversion
Project Number: H27-61405-MJ-C
Pre Bid Date & Time: August 23, 2016 at 11:00 AM

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	ERIC MELARO	USC	HAZMAT	803-509-3376	melaro@mailbox.sc.edu
Yes No	Ty Russell	USC	HazMat	803-240-2992	ntrusse@fmc.sc.edu
Yes No	ADAM DALENBURG	FBi		843-601 0784	adam.dalenburg@fbiconstruction.com
Yes No	MARGARET JORDAN	OSE		803-737-0773	MJORDAN@MMO.SC.GOV
Yes No	Jeff Davis	ATHLETICS			jeffd@mailbox.sc.edu
Yes No	David Barlow	CHA		804-399 6487	dbarlow@chacompanies.com
Yes No	Aimee Rish	USC procurement	743 Greene 29208	7-2261	arish@fmc.sc.edu
Yes No					
Yes No					

*****By signing this sheet you agree to receive information electronically.*