



ADDENDUM 01

Project: Upstate – Hodge Athletic Storage Renovations

Owner: USC Upstate

JCS Project #: 18106

State Project #: FP00000228

Date: 3/7/2019

GENERAL:

1. The list of attendees from the non-mandatory Pre-Bid Conference on March 5, 2019, are included in this addendum.
2. The last day for questions to the Architect is close-of-business, Tuesday, March 12, 2019.
3. The Limited Asbestos Inspection Report provided by Crossroads Environmental, dated February 19, 2019, is included in this addendum for reference.

SPECIFICATIONS:

No changes.

DRAWINGS:

1. Detail 3-A301. **ADD** the following note: "DUE TO THE SUSPECTED PRESENCE OF ASBESTOS CONTAINING MATERIAL IN EXISTING FLOOR TILE MASTIC, THE METAL STUD FLOOR TRACK SHALL BE SHOT INTO THE FLOOR WITH POWDER-ACTUATED FASTENERS, RATHER THAN DRILLED, AS REQUIRED BY USC ENVIRONMENTAL SAFETY."
2. Sheet A301, Finish Schedule. **REVISE** Finish Note 1 to read "MATCH EXISTING COLORS AND FINISHES. NOTE THAT CORRIDOR H104 IS PAINTED WITH AN EXISTING MULTI-COLOR SPECKLED FINISH – REPAINT NORTH AND WEST WALLS ADJACENT TO NEW DOOR 100 TO MATCH MULTI-COLOR FINISH."
3. Sheet A301, Key Notes. **ADD** the following to Key Note 2: "REMOVE EXISTING ELECTRICAL AND DATA OUTLETS IN WALL. TERMINATE WIRES ABOVE CEILING INSIDE JUNCTION BOX."
4. Sheet A301, Key Notes. **REVISE** 3rd sentence of Key Note 4 to read "EXISTING CEILING TO REMAIN – CUT BACK AS REQUIRED FOR INSTALLATION OF NEW LINTELS AND PATCH BACK TO WALL AFTER INSTALLATION."

END OF ADDENDUM

University of South Carolina
Non Mandatory Pre Bid Sign In Sheet
Spartanburg SC

Project Name: Upstate-Hodge Athletic Storage Renovations
Project Number: FP00000228
Pre Bid Date & Time: March 5, 2019 10AM 155 American Way Conf Rm 110

SWMBE Contractor Indicate Below	Name	Company Name	Address	Phone #	Email
S W M B E	Cody Galtrey	USC UPSTATE	155 AMERICAN WAY SPARTANBURG S.C. 29303	864-503-5500	Cgaltrey@uscupstate.edu
S W M B E	DENO WHITE	CAPITOL CONST.	1554 NATEARTH SPART SC.	864-9491407	DENO@CAPITOLCONSTRUCTION.US
S W M B E	DAKOT COMPTON	" "	" "	" "	" "
S W M B E	Kim Brown	Highlands Constr.	2414 Wallace Ave Spartanburg, SC 29302	864-580-3121	Kimberly-construction.com
S W M B E	Ashley McManan	Highlands Group	2414 WALLACE AVE SPARTANBURG, SC 29302	(864) 904-2081	ashleymcmanan-construction.com
S W M B E	Henry E. KERNS	Picture Perfect Painting	325 CHAMBLIN ST WOODRUFF, S.C. 29388	864-205-1557	hstorkerns@charter.net
S W M B E	Matt Aho	Tri Square Contractors	8689 NEW CUT RD CAMPBELL SC	864-484-2949	Matt.trisquarecontractors@gmail.com
S W M B E	DARRIN BOUKNIGHT	JCS ARCHITECTS	W.COLA 29169 412 MEETING ST	803-791-1020	dbouknight@jcsarchitects.com
S W M B E	Carl Pellington	First Class Const.	126B Suber Rd Columbia 29210	803-626-6808	cpellington@fcon.com

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



LIMITED ASBESTOS INSPECTION REPORT
FOR

University of South Carolina Upstate
800 University Way
Spartanburg, South Carolina 29303

LOCATION
Hodge Building (Athletic Storage Renovation)
800 University Way
Spartanburg, South Carolina

INSPECTION DATE: February 8, 2019
REPORT DATE: February 19, 2019

INSPECTOR
Kay H. Horton– SC-DHEC License #ASB-23394
(864) 541-8736

For

Crossroads Environmental, LLC
1258 Boiling Springs Road
Spartanburg, South Carolina 29303
(864) 541-8736
CRE Project # 16733-IN

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February 19, 2019

Mr. Cody Godfrey
University of South Carolina Upstate
800 University Way
Spartanburg, South Carolina 29303

Re: Limited Asbestos Inspection Report
Hodge Building (Athletic Storage Renovation)
CRE Project Number: 16733-IN

Dear Mr. Godfrey:

Crossroads Environmental, LLC (CRE) performed a limited an asbestos inspection of the area of the Hodge building, which will be affected by upcoming renovations related to Athletic Storage. The inspection was performed on February 8, 2019 by a SC-DHEC Licensed Asbestos Inspector, and in accordance with South Carolina Department of Health and Environmental Control (SC-DHEC) and Environmental Protection Agency (EPA) Requirements. **A detailed summary table of the sampling is included in Attachment I; however, this report should be read in its entirety.**

Area Description

The upcoming renovation of the Hodge Building will involve, in general, adding new doorways to Room 152; demolition of a portion of the CMU wall that is between Room 152 and the electrical room to allow for storage expansion into a portion of the electrical room; installation of dividing walls in the electrical room around the expanded storage space; and removal of heater and associated piping located in the corner of the electrical room. Additionally, the existing carpet and cove base in Room 152 will be replaced.

Inspection Strategy/Sampling Protocol

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material, three samples of each type of thermal system insulation, and the sample requirements

for surfacing are based on square footage). Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected in the first sample analyzed.

Results

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

No asbestos was detected in the materials sampled; however, the black mastic under the floor tile in the electrical room is known to contain asbestos based on previous sampling.

Relevant Regulatory Requirements/Recommendations

All asbestos abatement must be performed by a SC-DHEC Licensed Abatement Contractor, and all waste must be disposed of in a SC-DHEC approved landfill.

Closing Statements and Limitations

If any materials are scheduled to be disturbed that were not included in this inspection, then they should be sampled prior to disturbance.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of The University of South Carolina Upstate. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide The University of South Carolina Upstate with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Kay H. Horton", with a stylized flourish at the end.

Kay H. Horton
Licensed Inspector

Attachments- (4)

ATTACHMENT I
ASBESTOS SUMMARY TABLE

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 16733-IN	
Location:	Hodge Building, Athletic Storage Renovation								
Client:	USC-Upstate							DATE: 2/08/2019	
Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
01	Misc.	Hard Joint Insulation	176	NAD	/	Corner of electrical room @ heater	N/A	Good; Friable	Located in electrical room, and is attached to heater that is scheduled to be replace.
			177	NAD	/	Corner of electrical room @ heater			
			178	NAD	/	Corner of electrical room @ heater			
02	Misc.	Brown Cove Base & Glue	179	NAD	/	Electrical room @ heater	N/A	Good; Non-friable	Located around perimeter of electrical room.
			180	NAD	/	Electrical room @ heater			
			181	/	NAD	Electrical room @ heater			

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 16733-IN	
Location:	Hodge Building, Athletic Storage Renovation								
Client:	USC-Upstate							DATE: 2/08/2019	
Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
03	Misc.	Cream Cove Base Adhesive	182	NAD	/	Gym near future door	N/A	Good; Non-friable	Located behind black vinyl cove base in current coach's office and gym.
			183	NAD	/	Gym near future door			
			184	/	NAD	Coach's office @ future entry			
04	Misc.	Carpet Glue	185	NAD	/	Coach's office	N/A	Good; Friable	Located under carpet in coach's office.
			186	NAD	/	Coach's office			
			187	/	NAD	Coach's office			

CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 16733-IN	
Location:	Hodge Building, Athletic Storage Renovation								
Client:	USC-Upstate							DATE: 2/08/2019	
<p>Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive</p>									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
05	Misc.	Red Fire Stop	188	NAD	/	Electrical room @ heater	N/A	Good; Non-friable	Located in electrical room at fire penetrations.
			189	NAD	/	Electrical room @ heater			
			190	/	NAD	Electrical room @ heater			
06	Misc.	12" Vinyl Floor Tile with Black Mastic	Assumed to Contain Asbestos Based on Past Sampling			Approx. 32 sq. ft. to be disturbed, if any	Good; Non-friable	Located throughout electrical room.	

ATTACHMENT II
LABORATORY REPORT(S)



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 71903562

Analysis ID: 71903562_PLM

Date Received: 2/11/2019

Date Reported: 2/12/2019

Project: 16733-IN (Hodge)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
176 - A	Hard joint insulation	None Detected	60% Fiber Glass	40% Other	White Non Fibrous Heterogeneous
71903562PLM_1	wrap				Teased
176 - B	Hard joint insulation	None Detected	15% Fiber Glass	85% Other	Gray Non Fibrous Heterogeneous
71903562PLM_16	mud				Crushed
177 - A	Hard joint insulation	None Detected	60% Fiber Glass	40% Other	White Non Fibrous Heterogeneous
71903562PLM_2	wrap				Teased
177 - B	Hard joint insulation	None Detected	15% Fiber Glass	85% Other	Gray Non Fibrous Heterogeneous
71903562PLM_17	mud				Crushed
178 - A	Hard joint insulation	None Detected	60% Fiber Glass	40% Other	White Non Fibrous Heterogeneous
71903562PLM_3	wrap				Teased
178 - B	Hard joint insulation	None Detected	15% Fiber Glass	85% Other	Gray Non Fibrous Heterogeneous
71903562PLM_18	mud				Crushed
179 - A	Brown cove base & glue	None Detected		100% Other	Brown Non Fibrous Homogeneous
71903562PLM_4	cove base				Dissolved
179 - B	Brown cove base & glue	None Detected		100% Other	Brown Non Fibrous Homogeneous
71903562PLM_19	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Bart Huber (21)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 71903562

Analysis ID: 71903562_PLM

Date Received: 2/11/2019

Date Reported: 2/12/2019

Project: 16733-IN (Hodge)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
180 - A	Brown cove base & glue	None Detected		100% Other	Brown Non Fibrous Homogeneous
71903562PLM_5	cove base				Dissolved
180 - B	Brown cove base & glue	None Detected		100% Other	Brown Non Fibrous Homogeneous
71903562PLM_20	mastic				Dissolved
181 - A	Brown cove base & glue	Not Analyzed			
71903562PLM_6	cove base TEM				
181 - B	Brown cove base & glue	Not Analyzed			
71903562PLM_21	mastic TEM				
182	Cove base adhesive	None Detected		100% Other	Cream Non Fibrous Heterogeneous
71903562PLM_7					Dissolved
183	Cove base adhesive	None Detected		100% Other	Cream Non Fibrous Heterogeneous
71903562PLM_8					Dissolved
184	Cove base adhesive	Not Analyzed			
71903562PLM_9	TEM				
185	Carpet glue	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
71903562PLM_10					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Bart Huber (21)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 71903562

Analysis ID: 71903562_PLM

Date Received: 2/11/2019

Date Reported: 2/12/2019

Project: 16733-IN (Hodge)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
186	Carpet glue	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
71903562PLM_11					Dissolved
187	Carpet glue	Not Analyzed			
71903562PLM_12	TEM				
188	Red fire stop	None Detected		100% Other	Red Non Fibrous Heterogeneous
71903562PLM_13					Dissolved
189	Red fire stop	None Detected		100% Other	Red Non Fibrous Heterogeneous
71903562PLM_14					Dissolved
190	Red fire stop	Not Analyzed			
71903562PLM_15	TEM				

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Bart Huber (21)

Analyst

Approved Signatory

71903562

Client:	Crossroads Environmental, LLC	Relinquished By:  Fed EX 88121 9171 6869	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sailab.com
Contact:	Kay H. Horton		
Address:	1258 Boiling Springs Road		
Phone:	864-541-8736		
Fax:	864-541-8776		
Email:	results@crossroadsenv.net		
Project:	16733-IN (Hodge)		
Client Notes:			
P.O. #:			
Date Submitted:	2/8/2019 0:00		
Analysis:	PLM, TEM		
TurnAroundTime:	24 hr., 24 hr.		

Sample Number	HA Number	Sample Description	Data 2
<<			
176	1	Hard joint insulation	PLM
177	1	Hard joint insulation	PLM
178	1	Hard joint insulation	PLM
179	2	Brown cove base & glue	PLM
180	2	Brown cove base & glue	PLM
181	2	Brown cove base & glue	TEM
182	3	Cove base adhesive	PLM
183	3	Cove base adhesive	PLM
184	3	Cove base adhesive	TEM
185	4	Carpet glue	PLM
186	4	Carpet glue	PLM
187	4	Carpet glue	TEM
188	5	Red fire stop	PLM
189	5	Red fire stop	PLM
190	5	Red fire stop	TEM
>>			

Accepted ☒Rejected ☐

J. Simon 2.11

10:30AM



Bulk Asbestos Analysis by Transmission Electron Microscopy

Semi-Quantitative
Chatfield SOP 1988-02 Rev. 1

Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 71903782

Analysis ID: 71903782_TB

Date Received: 2/12/2019

Date Reported: 2/13/2019

Project: 16733-IN (Hodge)

Sample ID	Description	Organic	Acid Sol.	Asbestos	LCL-UCL
Lab Sample ID	Lab Notes	(Wt. %)	(Wt. %)	(Wt. %)	(Wt. %)
181-A	Brown cove base & glue	41%	-	None Detected	
71903782TBS_1	cove base				
181-B	Brown cove base & glue	49%	-	None Detected	
71903782TBS_2	mastic				
184	Cove base adhesive	44%	-	None Detected	
71903782TBS_3					
187	Carpet glue	55%	-	None Detected	
71903782TBS_4					
190	Red fire stop	35%	-	None Detected	
71903782TBS_5					

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Ired Gulley (5)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407

Approved Signatory

(336) 292-3888

71903562

Client:	Crossroads Environmental, LLC	Relinquished By:  Fed EX 88121 9171 6869	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sailab.com
Contact:	Kay H. Horton		
Address:	1258 Boiling Springs Road		
Phone:	864-541-8736		
Fax:	864-541-8776		
Email:	results@crossroadsenv.net		
Project:	16733-IN (Hodge)		
Client Notes:			
P.O. #:			
Date Submitted:	2/8/2019 0:00		
Analysis:	PLM, TEM		
TurnAroundTime:	24 hr., 24 hr.		

Sample Number	HA Number	Sample Description	Data 2
<<			
176	1	Hard joint insulation	PLM
177	1	Hard joint insulation	PLM
178	1	Hard joint insulation	PLM
179	2	Brown cove base & glue	PLM
180	2	Brown cove base & glue	PLM
181	2	Brown cove base & glue	TEM
182	3	Cove base adhesive	PLM
183	3	Cove base adhesive	PLM
184	3	Cove base adhesive	TEM
185	4	Carpet glue	PLM
186	4	Carpet glue	PLM
187	4	Carpet glue	TEM
188	5	Red fire stop	PLM
189	5	Red fire stop	PLM
190	5	Red fire stop	TEM
>>			

Accepted ☒Rejected ☐

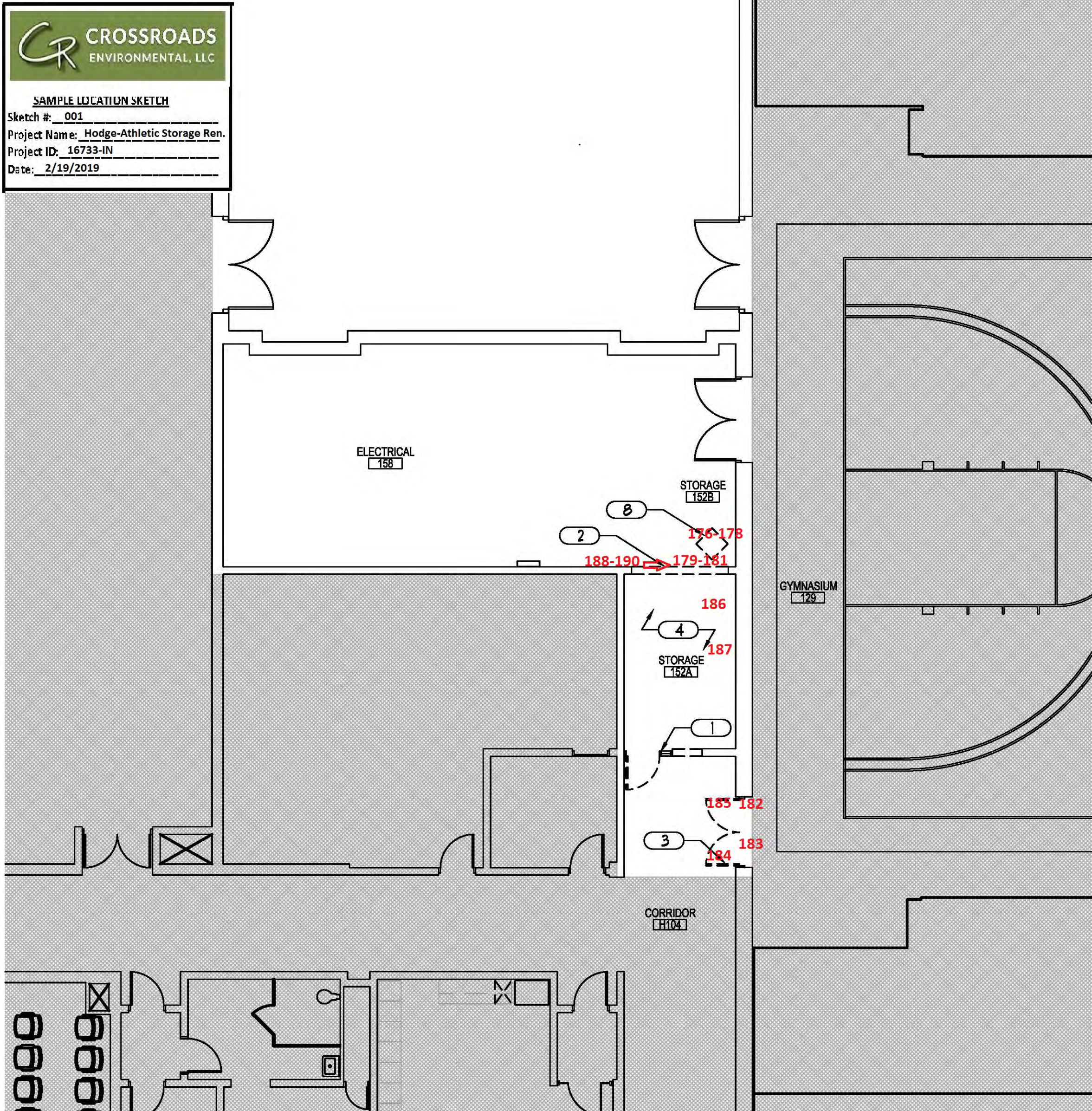
J. Simon 2.11

10:30AM

ATTACHMENT III
SAMPLE LOCATION SKETCH AND/OR PHOTOS

SAMPLE LOCATION SKETCH

Sketch #: 001
Project Name: Hodge-Athletic Storage Ren.
Project ID: 16733-IN
Date: 2/19/2019



**ATTACHMENT IV
ACCREDITATION(S)**

SCDHEC ISSUED

Asbestos ID Card

Kay H Horton



		Expiration Date:
CONSULTPD	ASB-23184	08/08/19
CONSULTMP	ASB-23394	11/27/19
AIRSAMPLER	ASB-23067	10/22/19