Specifications and Contract Documents for

Demolition and Restoration of Sites along 2nd Avenue Project

City of Council Bluffs, Iowa

August 14, 2018

Prepared By:

Community Development Department, City of Council Bluffs

NOTICE TO BIDDERS

City of Council Bluffs
Community Development Department
209 Pearl Street

The following is a demolition and restoration project. Sealed bids for the project will be received at 209 Pearl Street in the office of the City Clerk's Office until 10:00 a.m. September 13, 2018 for all work set forth below for the project. The bids for the project will be opened and publicly read immediately following the filing deadline in the City Clerk's Office.

Project: Demolition and Restoration of Properties along 2nd Avenue, Council Bluffs, IA. See Attachment A for a map depicting the limits of demolition and restoration.

1. **3036 2nd Avenue:** Lots 1 through 16 of Block 10, Lots 2 through 12 of Block 11 and the adjacent vacated street and alleys, Bryant and Clark Addition, City of Council Bluffs, Pottawattamie County, Iowa.
2. **3426 2nd Avenue:** Lots 8 through 10 and 16 through 26, Block 13 and adjacent vacated street and alleys, Ferry Addition, City of Council Bluffs, Pottawattamie County, Iowa.
3. **Northern ½ of the 3100 Block of 2nd Avenue:** Lots 1 through 8, Block 9 and the north ½ of the vacated adjacent alley and the southern ½ of the adjacent vacated alley of lots 11, 13, 14 and 15; and all of the abandoned 1st Avenue right-of-way.

Bidding documents, including construction drawings, are placed in the Office of the City Clerk for examination. Copies of the Bid Documents may be viewed, downloaded and/or obtained from the Council Bluffs Community Development Office, http://www.councilbluffs-ia.gov/index.aspx?nid=822, 403 Willow Ave, Council Bluffs, IA 51503, 712-328-4629. Interested bidders should contact Council Bluffs Community Development to request plans or to check on availability.

Major items of work for this project includes the demolition, clearing, grading, removal of structures and improvements, restoration and seeding of the property located at the above locations in accordance with the construction plans set out in Attachment B and include the following:

1. All removals specified in the demolition plan shall be conducted to meet the minimum requirements of Division 11 Section 1110 of the Iowa Sudas Standard Specifications.
2. All asbestos materials and other hazardous waste materials within the demolition limits shall be removed and disposed of in accordance with local, state and federal regulations to strictest standard. Asbestos containing materials shall be addressed prior to demolition of the property. An Asbestos Survey Report was completed and Asbestos Containing Materials (ACMs) were identified. See Attachment C for a copy of the Asbestos Report. If asbestos materials and other hazardous waste materials are found during demolition, then they shall be removed and disposed of in accordance with local, state and federal regulations to strictest standard. A copy of the asbestos abatement notice is required from a licensed asbestos abatement contractor as part of the demolition permit application process from the City. In accordance with State of Iowa Code 88B the prime contractor shall be a licensed abatement contractor with the State of Iowa in order to bid the work or designate a licensed subcontractor in the proposal. The proposal shall include a copy of the prime contractor's or designated subcontractor's state abatement license in order to be considered responsive.
3. Excavation backfill shall be placed in eight (8) inch lifts and compacted to a minimum of 95% of the material's maximum standard proctor dry density (ASTM 698) with moisture content not less than 2% below optimum or more than 3% above optimum. Field compaction testing shall be conducted once every two (2) vertical feet of consolidated fill. Contractor shall retain the services of a geotechnical engineer to perform all compaction testing. Results of testing shall be provided to the City and the Project Engineer.
4. Associated work shall include placement of clean compacted fill on excavation areas, security, traffic control, and erosion control in accordance with the 2nd Avenue Sites Demolition and Restoration plans set out in Attachment B. Stabilized construction entrances will be required and silt fence shall be constructed to stop any sediment from leaving the site. After the site is stabilized, the contractor shall remove the silt fences. Existing inlets shall be protected. Any track out from the sites on the City streets shall be removed on a daily basis.
5. Upon completion of all fill activities the site(s) shall be graded, seeded and mulched in accordance with the construction plans set out in Attachment B.

6. The relocation of structures or accessory structures on the site is prohibited, unless otherwise agreed to prior to the execution of a 'Notice to Proceed'.
7. All demolition materials shall be disposed of in accordance with all federal, state and local regulation requirements, or ordinances to the strictest standard, a licensed demolition or sanitary landfill facility.

Mandatory Pre-Bid Meeting: The City will hold two pre-bid walk-throughs of the properties. Bidders must attend at least one walk-through to be eligible to bid. It is recommended subcontractors attend as well. No additional access will be granted to the building. Walk-throughs will begin at the 3036 2nd Avenue site, Council Bluffs, Iowa 51501.

August 28, 2018 at 10:00 a.m. to 11:30 a.m.
September 5, 2018 at 10:00 a.m. to 11:30 a.m.

Sealed Bids Due: Thursday September 13, 2018 at 10:00 a.m. in the City Clerk's Office located at 209 Pearl Street, Council Bluffs, Iowa 51503. Each bid must be submitted in a sealed envelope bearing on the outside the description of the contents, the name of the bidder, the bidder's address, and the name of the project for which the bid is submitted. Bidders must complete the "Demolition Proposal" form as part of their bid (Attachment D).

Award Date: The anticipated award date is on September 24, 2018.

Notice to Proceed: No work shall commence prior to receipt of a written 'Notice to Proceed'. Issuance is anticipated to be granted after September 24, 2018.

Security: The Contractor shall take all necessary steps to secure the site in a manner to prevent access by the general public.

Debris Monitoring: All demolition and debris removal will be supervised by a demolition supervisor retained by the City. Load and dump tickets of material removed from the site will be required.

Project completion: The work under the proposed contract shall be completed as detailed in the Notice to Bidders and in accordance with the construction plans set out in Attachment B. Additional time is allotted in the contract to allow for optimal seeding season.

All demolition and site restoration shall be completed on or before May 1, 2019.

Additional Requirements:

1. Contractor is responsible for obtaining all required City permits, including a demolition permit (fee waived), and utility disconnects. A copy of the asbestos abatement notice is required from the licensed asbestos abatement contractor in order to obtain a demolition permit from the City. The contractor shall pay all fees associated with the demolition permit and utility service disconnections, if applicable.
2. Contractor shall supply the City's Public Works Department (Tim Stueve) with coordinates of the location of any capped or plugged City infrastructure (i.e. sanitary sewer service, etc.)
3. Contractor shall inform the local Iowa Department of Transportation (IDOT) office of the project and obtain any permits that may be deemed necessary.
4. In accordance with Municipal Code Chapter 13.07, the prime contractor shall be a licensed General Building or Demolition contractor with the City of Council Bluffs, Iowa in order to be awarded this contract. These licenses are obtained by proof of passing the approved exam and payment of appropriate fees.
5. The Contractor is specifically advised that any person, firm or other party to whom it is proposed to award a subcontract under this bid must be acceptable to the City. The Contractor shall submit in writing to the City for approval the names of Subcontractors proposed for the work, prior to execution of any work. The City reserves the right to reject any proposed Subcontractor if the successful Contractor fails to satisfy the City that the proposed Subcontractor is properly qualified to complete the work contemplated. Proof of insurance is required from all Subcontractors.

6. The Contractor shall furnish the appropriate insurance certificates to remain in effect during all phases of construction to be done by him, his sub-contractor, his agents, employees and servants, under the pursuant to any contract received the Contractor under this quote. Insurance shall include:

   Commercial General Liability insurance coverage, or its equivalent, in the minimum amount of two million dollars ($2,000,000) per occurrence for bodily injury, including death, or damage to property of other arising out of work performed or responsibilities assumed under the license and which will identify the City of Council Bluffs, Iowa as an additional insured. The aggregate limit shall be no less than two million dollars ($2,000,000). In addition, the General Contractor shall furnish a Certificate of Insurance subject to approval by the City Attorney evidencing Worker's Compensation insurance sufficient to satisfy the laws of the State of Iowa; Employer's Liability Insurance in the minimum amount of one hundred thousand dollars ($100,000); and Auto Liability Insurance in the minimum amount of one million dollars ($1,000,000). These limits may be provided by any combination of primary and excess policies.

7. Progress payments will be made monthly based on project completion. All change orders must be approved in advance of work completed by the City's Engineering firm and by the Community Development Director.
8. The City reserves the right to reject or accept any or all bids and waive any irregularities in the interest of the City.

Complete Bid Packet: Each bidder's proposal shall include the following in order to be accepted (See Attachment D):

a. The Bidder's Proposal form included in this packet which includes a list of at least three (3) projects completed in the last five (5) years. These projects shall be similar in contract amount and scope of work to the proposed project. Bidders shall also submit with their bid the phone numbers and the names of contact persons for each of the similar projects listed.

b. A list of any and all subcontractors that will be utilized on the project.

c. A certified check or bid bond by a surety company registered to do business in the State of Iowa, or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States in the amount of ten percent (10%) of the total bid price and made payable to the City of Council Bluffs.

d. The bidder's certificate of insurance.

e. The manually signed Policy Statement and Non-Discrimination in Employment Clause and Title VI & EEO Certificate of Compliance, after printing.

f. Proposals must be signed manually for the bid to be considered complete and valid.

Please contact Courtney Harter, Community Development Project Coordinator at charter@councilbluffs-ia.gov or by phone at 712-256-6945 with any questions.

_____

Brandon Garrett, Director
Community Development Department

ATTACHMENT A

Location Map

ATTACHMENT B

Construction Plans

CONSTRUCTION PLANS

FOR

2ND AVENUE SITES
DEMOLITION AND RESTORATION

COUNCIL BLUFFS, IOWA

GENERAL DEMOLITION & RESTORATION NOTES

1. THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (2018), AND THE CITY OF COUNCIL BLUFFS SUPPLEMENTAL SPECIFICATIONS (2018) SHALL APPLY TO THIS PROJECT. THE SPECIFICATIONS CAN BE VIEWED AT WWW.IOWASUDAS.ORG AND WWW.COUNCILBLUFFS-IA.GOV.

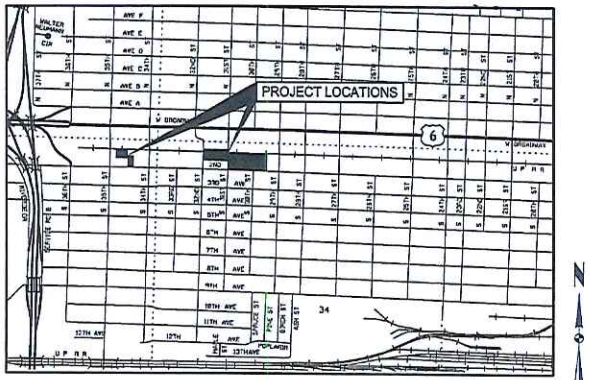
2. THE CONTRACTOR SHALL ACCESS THE SITE VIA THE 2ND AVENUE RIGHT-OF-WAY. THE CONTRACTOR SHALL PROVIDE (AND REMOVE) TEMPORARY FILL AS NECESSARY FOR ACCESS.

3. UTILITY FACILITIES SHOWN ARE FROM LOCATES OR RECORDS PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST (EITHER IN SERVICE OR ABANDONED) AND THEIR LOCATION MAY NOT BE PRESENTLY KNOWN OR IDENTIFIED ON THE PLANS. THE ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. THE CONTRACTOR SHALL NOTIFY THE IOWA ONE-CALL SYSTEM AT 1-800-292-8989 TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITY FACILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL PUBLIC AND PRIVATE UTILITY FACILITIES LOCATED WITHIN THE CONSTRUCTION AREA TO AVOID DAMAGE IN ACCORDANCE WITH SECTION 480.4, CODE OF IOWA. DAMAGE TO UTILITIES DUE TO THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED OR REPLACED WITHOUT COST TO THE OWNER OR ENGINEER. WHERE EXISTING UTILITY FACILITIES ARE SHOWN IN THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITIES AND CONDUCTING WORK NEAR UTILITY FACILITIES REQUIRED BY SECTION 480.4, CODE OF IOWA. THE CONTRACTOR SHALL COOPERATE WITH UTILITY COMPANIES IN THEIR ADJUSTMENT OPERATIONS SO THAT THESE OPERATIONS MAY PROGRESS, THE DUPLICATION OF ADJUSTMENT WORK MAY BE REDUCED, AND THAT SERVICES RENDERED BY THOSE PARTIES WILL NOT BE INTERRUPTED. THE CONTRACTOR SHALL REVIEW ALL UTILITIES SHOWN IN THE PLANS AND COORDINATE WITH ALL UTILITY COMPANIES NECESSARY TO SCHEDULE WORK FOR ALL KNOWN AND POTENTIAL CONFLICTS. THE CONTRACTOR SHALL BE AWARE THAT UTILITY SERVICES ARE NOT ROUTINELY LOCATED OR SHOWN ON THE PLANS, HOWEVER MAY BE A CONFLICT WITH THE WORK PERFORMED. DELAYS, INCONVENIENCE, OR DAMAGE CLAIMED BY THE CONTRACTOR DUE TO ANY INTERFERENCE OF UTILITIES SHOWN IN THE PLANS OR SERVICES SHALL NOT BE CONSIDERED A CIRCUMSTANCE FOR ADDITIONAL TIME OR COMPENSATION.

4. THE CONTRACTOR SHALL KEEP SANITARY SEWER AND STORM SEWER LINES AND STRUCTURES CLEAN AND FREE OF DEBRIS THAT IS A RESULT OF CONSTRUCTION OPERATIONS. ANY CLEANING AND REMOVAL OF DEBRIS THAT ENTERS AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.

5. THE CONTRACTOR SHALL MAKE ACCESS AVAILABLE TO ADJACENT PROPERTIES IN CASE OF EMERGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (712-890-5296), 24 HOURS PRIOR TO CLOSING AND/OR OPENING ANY LANES TO TRAFFIC. THE CONTRACTOR SHALL ADEQUATELY BARRICADE CLOSED LANES DURING DEMOLITION TO INSURE PUBLIC SAFETY. ALL TRAFFIC CONTROL SHALL BE IN COMPLIANCE WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

6. REMOVAL OF EXISTING CITY SIGNS AS NECESSARY SHALL BE INCIDENTAL TO THE PROJECT UNLESS SPECIFIED OTHERWISE. ALL SIGNS SHALL BE REMOVED WITHOUT DAMAGE TO THE SIGNS. ANY DAMAGE TO SIGN(S) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO REPLACE IN KIND AND\OR COMPENSATE THE CITY FOR DAMAGED SIGN(S).



VICINITY MAP

NOT TO SCALE

7. ALL SOLID WASTE, AND EXCESS EXCAVATION FROM DEMOLITION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL REMOVED ITEMS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF SITE AND SHALL NOT BE INCORPORATED INTO THE WORK. PRIOR TO THE COMMENCEMENT OF REMOVALS, THE CONTRACTOR SHALL PROVIDE THE OWNER OR OWNER'S REPRESENTATIVE DOCUMENTATION OF THEIR CERTIFIED DISPOSAL SITE(S) FOR ALL ITEMS TO BE REMOVED FROM THE PROJECT.

8. THE CONTRACTOR SHALL CONTROL CONSTRUCTION DEBRIS AND HAZARDOUS WASTE SPILLS. THE CONTRACTOR SHALL CLEAN-UP AND DISPOSE OF ALL WASTE PROPERLY OFF-SITE AT AN APPROVED DISPOSAL FACILITY. NO CONSTRUCTION MATERIAL WASTES OR UNUSED MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED WITHIN THE PROJECT LIMITS.

9. THE CONTRACTOR SHALL TAKE STEPS TO CONTROL SOIL EROSION AND FUGITIVE DUST DURING DEMOLITION. IF NECESSARY, HAY BALES, CHECK DAMS, SEDIMENT TRAPS OR WATTLES SHALL BE USED TO RETAIN SILT AND PREVENT SILT FROM LEAVING THE PROJECT SITE ONTO ADJACENT ROADWAYS.

10. THE OWNER MAY CHARGE THE CONTRACTOR ACTUAL DAMAGES FOR FAILURE OF THE CONTRACTOR TO COMPLY WITH ANY PART OF THE CONTRACT, INCLUDING INCIDENTAL PROJECT REQUIREMENTS, FOR WHICH THE OWNER INCURS COSTS TO REMEDY. THE OWNER MAY CHARGE UP TO THE ACTUAL COST INCURRED BY THE OWNER FOR SUCH DAMAGES. THE OWNER MAY DEDUCT AMOUNTS FOR DAMAGES FROM PAYMENTS DUE TO THE CONTRACTOR.

11. BUILDINGS CALLED TO BE DEMOLISHED MUST BE DEMOLISHED. NONE SHALL BE RELOCATED.

12. CONTRACTOR SHALL BE REQUIRED TO REMOVE SILT FENCE ONCE 70% VEGETATIVE GROUND COVER IS ACHIEVED.

INDEX OF SHEETS

1. TITLE SHEET
2. 3036 2ND AVENUE DEMOLITION PLAN
3. 3426 2ND AVENUE DEMOLITION PLAN
4. 3036 2ND AVENUE RESTORATION PLAN
5. 3426 2ND AVENUE RESTORATION PLAN
6. N 1/2 OF 3100 BLOCK RESTORATION ADD ALTERNATE
7. DETAILS

LEGAL DESCRIPTION

LOTS 1 THROUGH 16 BLOCK 10, LOTS 5 THROUGH 12 BLOCK 11 AND ADJACENT VACATED STREET AND ALLEYS, BRYANT & CLARK ADDITION IN COUNCIL BLUFFS, POTTAWATTAMIE COUNTY, IOWA.

LOTS 8 THROUGH 10 AND 16 THROUGH 26 BLOCK 13 AND ADJACENT VACATED STREET AND ALLEYS, FERRY ADDITION IN COUNCIL BLUFFS, POTTAWATTAMIE COUNTY, IOWA.

LOTS 1 THROUGH 8 BLOCK 9, NORTH 1/2 ADJACENT VACATED ALLEY, AND SOUTH 1/2 ADJACENT VACATED ALLEY LOTS 11 AND 13 THROUH 15 BLOCK 9, BRYANT & CLARK ADDITION IN COUNCIL BLUFFS, POTTAWATTAMIE COUNTY, IOWA.

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811

ISSUE DATE: 07-24-2018

LICENSED PROFESSIONAL ENGINEER
BRIAN J. FORTIN
22218
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Brian J. Fortin 7-24-18

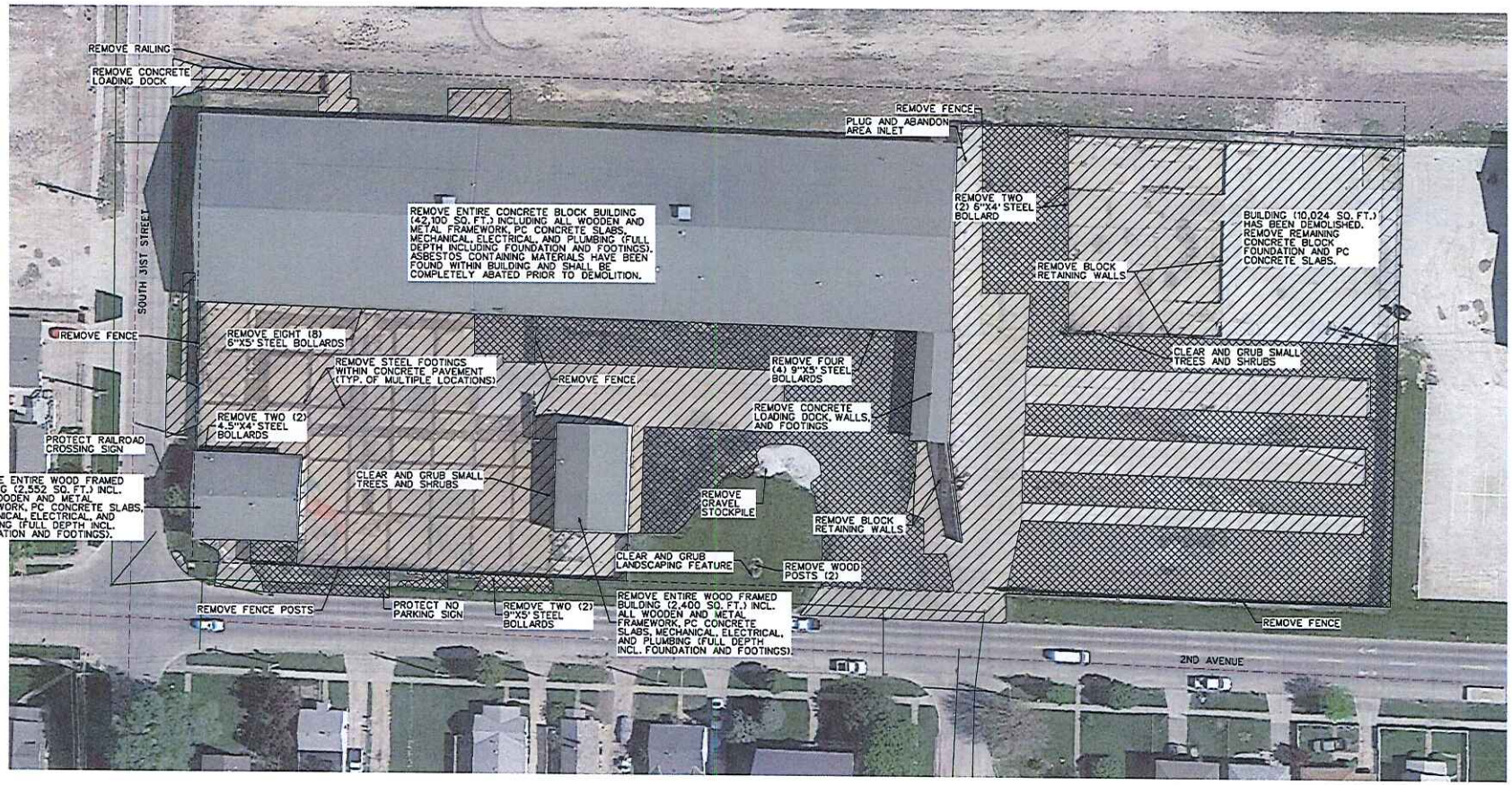
Brian J. Fortin, P.E. Date

License Number 22218

My License Renewal Date is December 31, 2019

Pages or sheets covered by this seal:

ALL



LEGEND

- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT
- --- PROPERTY BOUNDARY

NOTES:

1. PAVEMENT AND ALL BASE MATERIAL SHALL BE REMOVED IN ALL PAVED AREAS.
2. FENCE REMOVAL INCLUDES ALL FENCE MATERIAL, POSTS, AND GATES.
3. ALL UTILITIES SERVICING THE BUILDING HAVE BEEN DISCONNECTED.
4. ALL UTILITIES IN PUBLIC RIGHT OF WAY SHALL BE PROTECTED.

0 15 30 FEET

N

2ND AVENUE SITES - DEMOLITION & RESTORATION

3036 2ND AVENUE DEMOLITION PLAN

COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.
1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-2002 | www.snyder-associates.com

MARK	REVISION	BY	DATE
Engineer: BJJ	Checked By: BJF	Scale: 1"=30'	
Technician: BJJ	Date: 07/24/18	Field Bk: n/a	
Project No: 1180307		Sheet 2 of 7	

SNYDER & ASSOCIATES

Project No: 1180307

Sheet 2 of 7

2ND AVENUE SITES - DEMOLITION & RESTORATION

3426 2ND AVENUE DEMOLITION PLAN

COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.
1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-3202 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 1180307

Sheet 3 of 7

MARK	REVISION	DATE	BY

Engineer: BJJ | Checked By: BJJ | Scale: 1"=20' | Plot Date: 07/24/18 | Plot By: BJJ

Project No: 1180307 | Sheet 3 of 7

NOTES:
1. PAVEMENT AND ALL BASE MATERIAL SHALL BE REMOVED IN ALL PAVED AREAS.
2. FENCE REMOVAL INCLUDES ALL FENCE MATERIAL, POSTS, AND GATES.
3. ALL UTILITIES SERVICING THE BUILDING HAVE BEEN DISCONNECTED.
4. ALL UTILITIES IN PUBLIC RIGHT OF WAY SHALL BE PROTECTED.

LEGEND
- EXISTING CONCRETE PAVEMENT
- EXISTING BRICK SURFACE
- PROPERTY BOUNDARY

N

0 10 20 FEET

2ND AVENUE SITES - DEMOLITION & RESTORATION

3036 2ND AVENUE RESTORATION PLAN

COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.
1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-3202 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 1180307

Sheet 4 of 7

MARK	REVISION	DATE	BY

Engineer: BJJ	Checked By: BJF	Scale: 1"= 30'	
Technician: BJJ	Date: 07/24/18	Field Bk:	Pgs:

Project No: 1180307

Sheet 4 of 7

2ND AVENUE SITES - DEMOLITION & RESTORATION

3426 2ND AVENUE RESTORATION PLAN

COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.
1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-3202 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 1180307

Sheet 5 of 7

Engineer	BJJ	Checked By	BJF	Scale	1"=20'
Technician	BJJ	Date	07/24/18	Plot Dir	Fit

Project No. 1180307

Sheet 5 of 7

MARK	REVISION	DATE	BY

LEGEND

4" PCC SIDEWALK

SEEDING

N

0 10 20 FEET

2ND AVENUE SITES - DEMOLITION & RESTORATION

N 1/2 OF 3100 BLOCK RESTORATION ADD ALTERNATE COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.
1251 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-3202 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 11B0307

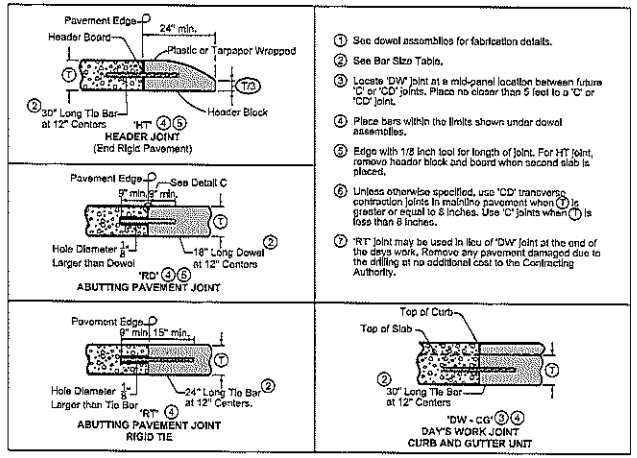
Sheet 6 of 7

MARK	REVISION	DATE	BY

Engineer:	BJJ	Checked By:	BJF	Scale:	1"= 20'
Technician:	BJJ	Date:	07/24/18	Plot Dir:	Fgr.

Project No: 11B0307

Sheet 6 of 7



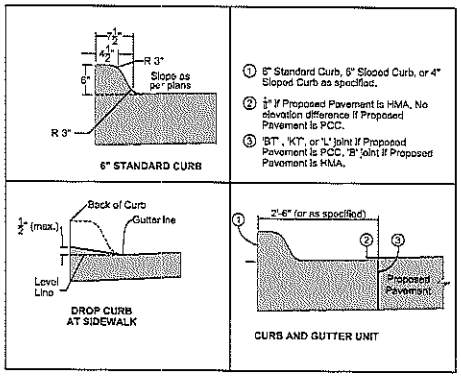
1. See dowel assemblies for fabrication details.
2. See Bar Size Table.
3. Locate "DW" joint at a mid-panel location between future "C" or "CD" joints. Place no closer than 5 feet to a "C" or "CD" joint.
4. Place bars within the limits shown under dowel assemblies.
5. Edge with 1/8 inch tool for length of joint. For HT joint, remove header block and board when second slab is placed.
6. Unless otherwise specified, use "CD" transverse contraction joints in mainline pavement when (1) is greater or equal to 8 inches. Use "C" joints when (1) is less than 8 inches.
7. "RT" joint may be used in lieu of "DW" joint at the end of the days work. Remove any pavement damaged due to the drilling at no additional cost to the Contracting Authority.

LEGEND
Existing Pavement
Proposed Pavement

TRANSVERSE CONTRACTION

FIGURE 7091101	STANDARD ROAD PLAN	PV-101

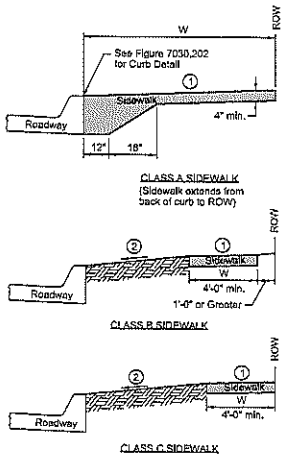
JOINTS



1. 6" Standard Curb, 6" Sloped Curb, or 4" Sloped Curb as specified.
2. ¾" if Proposed Pavement is HMA. No elevation difference if Proposed Pavement is PCC.
3. "BT", "KT", or "L" joint if Proposed Pavement is PCC. "B" joint if Proposed Pavement is HMA.

FIGURE 7091102	STANDARD ROAD PLAN	PV-102

PCC CURB DETAILS

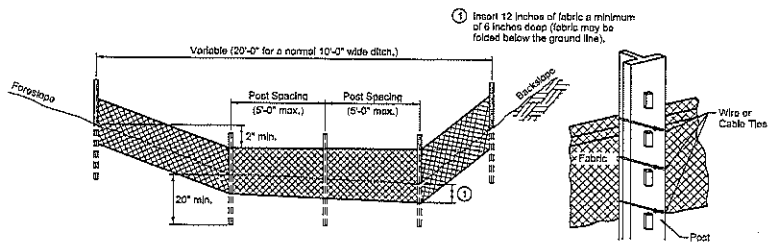


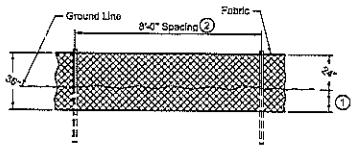
1. Target cross slope of 1.5% with a maximum cross slope of 2.0% (including sidewalk through driveway).
2. Parking Slopes:
   If parking width is less than 10 feet wide, slope at ¼ inch per foot.
   If parking width is 10 feet wide and greater, slope at ½ inch per foot.
   Special grade may be specified in the contract documents.

W = Sidewalk width as specified in the contract documents.

	7030.201

CLASSES OF SIDEWALKS

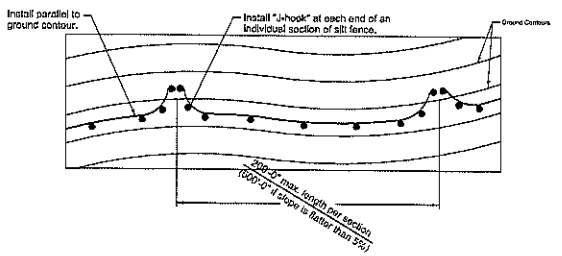


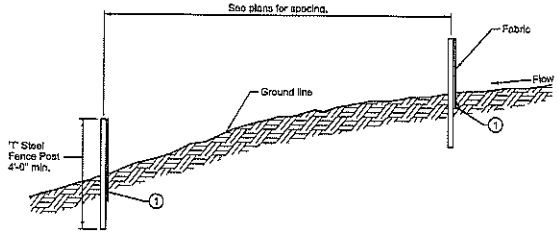


1. Insert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).
2. Reduce post spacing to 5'-0" at water concentration areas, or as required to adequately support fence.

	9040.119

SILT FENCE





	9040.119

SILT FENCE

2ND AVENUE SITES - DEMOLITION & RESTORATION

DETAILS

COUNCIL BLUFFS, IOWA

SNYDER & ASSOCIATES, INC.

1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-2002 | www.snyderassociates.com

MARK	REVISION	DATE	BY

Designed: BJJ | Checked By: BJF | Scale: 1"=HTS | Plot By:
Technician: BJJ | Date: 07/24/18 | Plot Date:
Project No: 1180307 | Sheet 7 of 7

SNYDER & ASSOCIATES

Project No: 1180307

Sheet 7 of 7

ATTACHMENT C

Asbestos Reports

ASBESTOS CONTAINING MATERIALS INSPECTION



Commercial Property
3426 2nd Avenue
Council Bluffs, Iowa, 51503

Prepared for:

City of Council Bluffs
209 Pearl Street
Council Bluffs, Iowa, 51503

Prepared by:

9550 Hickman Road, Suite 105
Clive, IA 50325

June 29, 2018

ASBESTOS CONTAINING MATERIALS INSPECTION
Commercial Property
3426 2nd Avenue
Council Bluffs, Iowa 51503

Inspected by:

Tyler Silverthorn
Environmental Specialist
Iowa Certified Asbestos Inspector: 17-8976

Inspected by:

Madeline Sarcone
Environmental Specialist
Iowa Certified Asbestos Inspector: 17-8904

Inspected and Prepared by:

Eric Lindeen
Environmental Specialist II
Iowa Certified Asbestos Inspector: 18-0063

Reviewed/Approved by:

Jon Reis
Project Manager
Iowa Certified Asbestos Inspector: 17-9031

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1.0 EXECUTIVE SUMMARY

Impact7G, Inc. (Impact7G), completed an Asbestos Containing Materials (ACM) Inspection on June 4th and 19th, 2018 of the existing buildings located at 3426 2nd Avenue, Council Bluffs, Iowa 51503 (Property). The purpose of this ACM Inspection is to document the presence of asbestos containing materials and assist the City of Council Bluffs (Client) in facilitating demolition activities of the buildings.

Asbestos was detected in three (3) of the ninety-two (92) samples collected from various building components within the Property's interior and exterior. See Table 1 for additional information. ACMs include:

- Sink Undercoating
- Roof Caulk

All building materials similar in appearance, color, and/or texture to those determined to contain asbestos must be assumed to contain asbestos throughout these buildings.

Based on these results, the Property requires further action prior to any r demolition activities.

2.0 INTRODUCTION

A. Property Information

Location:

Commercial Property
3426 2nd Avenue
Council Bluffs, Iowa 51503

Contact Person:

Ms. Courtney Harter
City of Council Bluffs
209 Pearl Street
Council Bluffs, Iowa 51503

B. Personnel

Project Manager: Jon Reis	State of Iowa License	17-9031
Inspector: Eric Lindeen	State of Iowa License	18-0063
Inspector: Tyler Silverthorn	State of Iowa License	17-8976
Inspector: Madeline Sarcone	State of Iowa License	17-8904

C. Sampling Plan

According to the Client, the scope of this ACM Inspection included interior, exterior and roof of the office and warehouse buildings.

This limited ACM Inspection is in accordance with OSHA Regulation 1926.1101. All samples collected in the field were analyzed by Impact7G's in-house laboratory. The samples were analyzed via the polarized light microscopy (PLM) method for asbestos content. If requested by Client, samples were further analyzed via the transmission electron microscopy (TEM) method or PLM 400 Point Count analysis method.

D. Regulation Review

The U.S. EPA qualifies asbestos containing materials (ACM) as materials with an asbestos content greater than 1%. According to Iowa OSHA, ACM is any material found to contain asbestos, regardless of its concentration, and shall be regulated as hazardous waste. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I nonfriable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).
- "Category II nonfriable ACM" is defined as any material, excluding Category I nonfriable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.
- "Friable asbestos material" is defined as any material containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E,

40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.0 PROPERTY DESCRIPTION

The Property consists of an approximately 6,000 square foot, two-story office building, and an approximately 13,120 square foot, single-story warehouse.

4.0 INSPECTION LIMITATIONS

An Inspection limitation, for the purpose of this report, is any action or task that is limited from the original scope work. The overall reason for any limitation is the protection of Impact7G personnel. Examples of limitations can range from a lack of accessibility to an area of the Property, unsafe work areas, collecting additional samples, etc.

There were no limitations encountered during this ACM Inspection.

5.0 INSPECTION ACTIVITIES

Iowa certified asbestos inspectors from Impact7G collected eighty-one (81) samples on June 4, 2018, and eleven (11) samples on June 19, 2018. The samples were collected from various accessible building components located on the interior, exterior, and roof of the office and warehouse buildings. Upon completion of bulk sampling activities, samples were analyzed by Impact7G's in-house laboratory.

Materials that are "suspected" to contain asbestos are divided into the following three categories:

1. **Surfacing materials** are materials that are sprayed or troweled on for acoustical, decorative, or fireproofing purposes. Examples are textured ceilings or drywall, exterior stucco and structural steel fireproofing;

2. **Thermal System Insulation (TSI)** is insulation used to inhibit heat transfer from pipes, boilers, tanks, ducts, and various other components of hot and cold water systems and HVAC systems. Examples are hard cementatious "mud" type insulation on pipes, boilers and flues; and,

3. **Miscellaneous** materials are mostly non-friable products and materials such as floor tile, drywall, ceiling tile and roofing felt.

The following tables show samples positively identified by the laboratory to be asbestos containing materials (ACM) and samples that were analyzed as non-ACM. The complete analytical results can be found in Appendix B.

Table 1 – Asbestos Containing Materials Sample List

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
18TS060448	Sink Undercoating	Misc	N	White	1st	NE Kitchen of Office Building	2% Chrysotile	1 Each
18MS061902	Caulk	Misc	N	Silver	Roof	Office Building Roof	1% Anthophyllite	15 SF
18MS061906	Caulk	Misc	N	Silver	Roof	Office Building Roof	1% Anthophyllite	15 SF

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

Asbestos Containing Material (ACM) is defined as any material containing more than one percent (1%) asbestos. Although building materials containing less than <1% asbestos are not classified ACM by the EPA, they may still be regulated as asbestos by Iowa OSHA and should be treated as such. Three (3) bulk material samples were analyzed greater than 1%. None of the remaining building material samples were detected with a concentration of <1%. ACMs include sink undercoating and silver roof caulking. If during demolition activities additional areas of identified ACM are discovered, they should be abated accordingly. Laboratory analytical reports are provided in Appendix B.

Table 2 – Non-Asbestos Containing Material Sample List

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
18MS061901	Caulk	Misc	N	White	R	Office Building Roof	ND
18MS061903	Flashing	Misc	N	Black	R	Office Building Roof	ND
18MS061904	Caulk	Misc	N	Silver	R	Office Building Roof	ND
18MS061905	Flashing	Misc	N	Silver	R	Office Building Roof	ND
18MS061907	Tar	Misc	N	Black	R	Office Building Roof	ND
18MS061908	Caulk	Misc	N	Tan	R	Office Building Roof	ND
18MS061909	Caulk	Misc	N	Gray	R	Office Building Roof	ND
18MS061910	Caulk	Misc	N	Peach	R	Office Building Roof	ND
18MS061911	Caulk	Misc	N	Gray	R	Office Building Roof	ND
18TS060401	Ceiling Texture	Surf	Y	White	1	Warehouse – NE Office	ND
18TS060402	Caulk	Misc	N	White	1	Warehouse – NE Office	ND
18TS060403	Floor Tile	Misc	N	Brown	1	Warehouse – NE Office	ND
18TS060404	Floor Tile Adhesive	Misc	N	Clear	1	Warehouse – NE Office	ND
18TS060405 AB	Drywall	Misc	N	White	1	Warehouse – All Offices	ND
18TS060406 AB	Drywall Tape	Misc	N	White	1	Warehouse – All Offices	ND
18TS060407 AB	Drywall Mud	Misc	N	White	1	Warehouse – All Offices	ND
18TS060408	Insulation	Misc	Y	Yellow	1	Warehouse – Throughout	ND
18TS060409	Flooring Mastic	Misc	N	Brown	1	Warehouse - West Office	ND
18TS060410	Covebase	Misc	N	Gray	1	Warehouse – Utility BR	ND
18TS060411	Covebase Adhesive	Misc	N	Brown	1	Warehouse – Utility BR	ND
18TS060412	Floor Tile	Misc	N	Gray	1	Warehouse – Utility BR	ND
18TS060413	Floor Tile Mastic	Misc	N	Black	1	Warehouse – Utility BR	ND
18TS060414	Ceiling Tile	Misc	Y	Gray	1	Warehouse – Utility BR	ND

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Asbestos Content** – ND=None Detected

Table 2 – Non-Asbestos Containing Material Sample List (Continued)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
18TS060415	Caulk	Misc	N	Gray/Brown	1	Warehouse – Around Doors	ND
18TS060416	Expansion Joint	Misc	N	Gray	1	Warehouse – Base of walls	ND
18TS060417	Wall Panel	Misc	N	Gray	1	Warehouse – W Utility Room	ND
18TS060418	Wall Panel Adhesive	Misc	N	Brown	1	Warehouse – W Utility Room	ND
18TS060419	Expansion Joint	Misc	N	Gray	Ext	Warehouse – NW Corner Bay	ND
18TS060420	Tar	Misc	N	Black	Ext	Warehouse – NW Corner Bay	ND
18TS060421	Window Caulk	Misc	N	Gray	Ext	Around Exterior Windows	ND
18TS060422	Protrusion Tar	Misc	N	Black	R	Warehouse	ND
18TS060423	Seam Caulk	Misc	N	White	R	Warehouse	ND
18TS060424	Carpet Mastic	Misc	N	Tan	1	Office Building – Throughout	ND
18TS060425	Ceiling Tile	Misc	Y	Gray	1	Office Building – Throughout	ND
18TS060426	Floor Seam	Misc	N	Gray	1	W Storage Room	ND
18TS060427	Seam Adhesive	Misc	N	Tan	1	W Storage Room	ND
18TS060428	Floor Tile	Misc	N	Brown	1	W Storage Room	ND
18TS060429	Floor Tile Mastic	Misc	N	Brown	1	W Storage Room	ND
18TS060430	Floor Leveler	Misc	N	White	1	W Storage Room	ND
18TS060431	Ceiling Tile	Misc	Y	Gray	1	NW Utility Room	ND
18TS060432	Drywall	Misc	N	White	1	Office Building - Throughout	ND
18TS060433	Drywall Tape	Misc	N	White	1	Office Building - Throughout	ND
18TS060434	Drywall Mud	Misc	N	White	1	Office Building - Throughout	ND
18TS060435	Floor Tile	Misc	N	Gray	1	NW Garage Bay	ND
18TS060436	Floor Tile Mastic	Misc	N	Brown	1	NW Garage Bay	ND
18TS060437	Floor Tile Mastic	Misc	N	Tan	1	Front Reception Area	ND

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Asbestos Content** – ND=None Detected

Table 2 – Non-Asbestos Containing Material Sample List (Continued)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
18TS060438	Floor Tile	Misc	N	Gray	1	Front Reception Area	ND
18TS060439	Floor Tile Mortar	Misc	N	Gray	1	Front Reception Area	ND
18TS060440	Ceiling Tile	Misc	Y	Gray	1	NW Bathroom	ND
18TS060441	Sink Undercoating	Misc	N	White	1	NW Bathroom	ND
18TS060442	Floor Tile	Misc	N	Gray	1	NW Garage	ND
18TS060443	Floor Tile Mastic	Misc	N	Tan	1	NW Garage	ND
18TS060444	Ceramic Floor Tile	Misc	N	Red	1	NE Kitchen/Breakroom	ND
18TS060445	Ceramic Floor Tile	Misc	N	Cream	1	NE Kitchen/Breakroom	ND
18TS060446	Tile Grout	Misc	N	Drk Gray	1	NE Kitchen/Breakroom	ND
18TS060447	Floor Tile	Misc	N	Drk Gray	1	NE Kitchen/Breakroom	ND
18TS060449	Insulation	Misc	Y	Yellow	1	Exterior Walls	ND
18TS060450	Seam Tape	Misc	N	Gray	2	Vents	ND
18TS060451	Caulk	Misc	N	Cream	2	Vent Protrusions	ND
18TS060452	Carpet Mastic	Misc	N	Tan	2	Under Carpets	ND
18TS060453	Covebase	Misc	N	Red	2	Hallway/Office/Storage	ND
18TS060454	Covebase Adhesive	Misc	N	Cream	2	Hallway/Office/Storage	ND
18TS060455	Ceiling Tile	Misc	Y	Cream	2	Offices	ND
18TS060456	Covebase	Misc	N	Brown	2	Offices	ND
18TS060457	Covebase Adhesive	Misc	N	Cream	2	Offices	ND
18TS060458	Floor Striping	Misc	N	Tan	2	Room Transitions	ND
18TS060459	Floor Strip Adhesive	Misc	N	Tan	2	Room Transitions	ND
18TS060460	Floor Mat	Misc	N	Black	2	Computer/Equip Room	ND
18TS060461 ABC	Ceiling Texture	Surf	Y	White	2	West Office	ND

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Asbestos Content** – ND=None Detected

Table 2 – Non-Asbestos Containing Material Sample List (Continued)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
18TS060462	Puck Mastic	Misc	N	Tan	2	Behind Foam Wallboard	ND
18TS060463	Wallboard Mastic	Misc	N	Tan	2	SE Storage Room	ND
18TS060464	Peg Board Mastic	Misc	N	Tan	2	SE Storage Room	ND
18TS060465	Vent Caulk	Misc	N	Gray	2	HVAC Corridor	ND
18TS060466	Vent Dampening Fabric	Misc	N	Gray	2	HVAC Corridor	ND
18TS060467	Vent Insulation	Misc	N	Pink	2	HVAC Corridor	ND
18TS060468	Insulation	Misc	Y	Pink	2	SE Storage Room	ND
18TS060469	Expansion Joint	Misc	N	Gray	Ext	Base of exterior walls	ND
18TS060470	Caulk	Misc	N	Black	Ext	Exterior walls	ND
18TS060471	Expansion Caulk	Misc	N	Black	Ext	Exterior walls	ND
18TS060472	Caulk	Misc	N	White	Ext	Exterior walls	ND
18TS060473	Putty	Misc	N	Gray	Ext	Exterior walls	ND
18TS060474	Caulk	Misc	N	White	Ext	Exterior walls	ND
18TS060475	Caulk	Misc	N	Beige	Ext	Exterior walls	ND
18TS060476	Tar	Misc	N	Black	Ext	Exterior walls	ND

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Asbestos Content** – ND=None Detected

6.0 CONCLUSIONS / RECOMMENDATIONS

The following conclusions and recommendations are summarized as follows:

- Asbestos was detected in three (3) of the bulk material samples collected from the buildings located at 3426 2nd Avenue in Council Bluffs. ACMs include sink undercoating and silver roof caulk. Based on the results of the data collected during the assessment, the buildings require further action prior to demolition.

Impact7G recommends the abatement of all ACM containing components located within the inspection area if those building materials are to be disturbed during any future renovation/demolition activities. All abatement work shall be completed in accordance with local, state, and federal regulations. A visual inspection is recommended upon completion of abatement work to document that all ACMs within the scope of abatement have been removed.

7.0 CONDITIONS & LIMITATIONS

The Iowa Department of Natural Resources' (IDNR) Air Quality Bureau and Occupational Safety and Health Bureau (OSHA) of the Iowa Division of Labor Services require notification of any renovation/demolition activities in non-residential projects if the combined regulated ACM meets or exceeds any of the following thresholds: 160 square feet of surfacing ACM, 260 linear feet of TSI, or 35 cubic feet of ACM debris.

Impact7G has performed the tasks contained within this report in a thorough and professional manner consistent with commonly accepted standard industry practices. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the property. Impact7G cannot guarantee, and does not warrant, that this report has identified all adverse environmental factors and/or conditions affecting the subject property. This report is not a bidding document or project specification as it does not contain the necessary components. Impact7G cannot warrant the work of any third party that may have aided in the completion of this report. This report has been prepared on behalf of and exclusively for use by the City of Council Bluffs for specific application to their project as discussed. Contractors, consultants or other third parties reviewing this report must draw their own conclusions regarding data contained within the report, further investigation or required remediation.

APPENDIX A

Qualifications

JONATHAN REIS

DOB: 02-13-1984

Issued: 10-11-2017



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	17-9031	09-01-2018

DIVISION OF IOWA LABOR

Asbestos

Michael A. Mauro
Labor Commissioner

Certificate of Completion

MADELINE SARCONE

DOB: 06-25-1993

Issued: 09-13-2017



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	17-8904	09-01-2018

Asbestos

Michael A. Mauro
Labor Commissioner

Impact7G, Inc.

certifies that

Madeline Sarcone

has successfully completed and passed the associated examination for the

Asbestos Inspector Annual Review

course accredited by the State of Missouri and conducted in accordance with the requirements of 40 CFR 763. The person receiving this certificate has completed the required training for asbestos certification under TSCA Title II.

IMPACT7G

Course Date: September 1, 2017
Examination Date: September 1, 2017
Expiration Date: September 1, 2018
Course Location: 9550 Hickman Road, Clive, IA 50325
Certificate Number: IAVIIAEI_18401

Director of Training
9550 Hickman Road, Suite 105
Clive, IA 50325
515-473-6256

Certificate of Completion

TYLER SILVERTHORN

DOB: 02-08-1988

Issued: 09-28-2017



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

Impact7G, Inc.

certifies that

Tyler Silverthorn

License Type	Number	Expires
INSPECTOR	17-8976	09-01-2018

DIVISION OF IOWA LABOR

Asbestos

Michael A. Mauro
Labor Commissioner

has successfully completed and passed the associated examination for the

Asbestos Inspector Annual Review

course accredited by the State of Missouri and conducted in accordance with the requirements of 40 CFR 763. The person receiving this certificate has completed the required training for asbestos certification under TSCA Title II.

IMPACT7G

Course Date: September 1, 2017
Examination Date: September 1, 2017
Expiration Date: September 1, 2018
Course Location: 9550 Hickman Road, Clive, IA 50325
Certificate Number: IAVIIAEI_18403

Director of Training
9550 Hickman Road, Suite 105
Clive, IA 50325
515-473-6256

ERIC LINDEEN

DOB: 05-06-1983

Issued: 03-29-2018



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	18-0063	03-23-2019
SUPERVISOR	17-8597	06-23-2018

Asbestos

Michael A. Mauro
Labor Commissioner

APPENDIX B

Laboratory Reports / Chain of Custody Documentation

IMPACT7G

P.O. BOX 661, 410 MAIN STREET, SLATER, IA 50244, 800-383-3400
www.impact7g.com, info@impact7g.com

BULK SAMPLE ANALYSIS RESULTS

Client: City of Council Bluffs
Don Gross
209 Pearl Street
Council Bluffs, IA 51503

Date of Report: 6/25/2018
Client No: 5105
Project Desc.: 3426 2nd Avenue, Council Bluffs, IA

Job #: 18-0275

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	MATERIALS PRESENT TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	ANALYST
18MS061901	Caulk, white, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester
18MS061902	Caulk, silver, roof	1% 99%	Anthophyllite Nonfibrous Binders	1%	6/21/2018	David D. Lester
18MS061903	Flashing, black, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18MS061904	Caulk, silver, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester
18MS061905	Flashing, silver, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester
18MS061906	Caulk, silver, roof	1% 99%	Anthophyllite Nonfibrous Binders	1%	6/21/2018	David D. Lester
18MS061907	Tar, black, roof	4% 2% 94%	Cellulose Nonfibrous Binders Tar	0%	6/21/2018	David D. Lester
18MS061908	Caulk, tan, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18MS061909	Caulk, gray, roof	100%	Nonfibrous Binders	0%	6/21/2018	David D. Lester
18MS061910	Caulk, peach, roof	2% 98%	Synthetic Fibers Nonfibrous Binders	0%	6/21/2018	David D. Lester
18MS061911	Caulk, gray, roof	2% 98%	Synthetic Fibers Nonfibrous Binders	0%	6/21/2018	David D. Lester
18TS060401	Ceiling texture, white, NE office, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060402	Caulk, white, NE office, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060403	Floor tile, brown, NE office, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060404	Floor tile adhesive, clear, NE office, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060405A	Drywall, white, all offices, building 1	15% 85%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060405B	Drywall, white, all offices, building 1	15% 85%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060406A	Drywall tape, white, all offices, building 1	99% 1%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060406B	Drywall tape, white, all offices, building 1	99% 1%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060407A	Drywall mud, white, all offices, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060407B	Drywall mud, white, all offices, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060408	Insulation, yellow, throughout, building 1	99% 1%	Glass Fiber Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060409	Flooring mastic, brown, west office, building 1	1% 99%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060410	Covebase, gray, center utility bathroom, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060411	Covebase adhesive, brown, gray, center utility bathroom, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060412	Floor tile, gray, gray, center utility bathroom, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060413	Floor tile mastic, black, gray, center utility bathroom, building 1	2% 10% 88%	Cellulose Nonfibrous Binders Tar	0%	6/13/2018	David D. Lester
18TS060414	Ceiling tile, gray, gray, center utility bathroom, building 1	45% 45% 10%	Cellulose Mineral Wool Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060415	Caulk, gray/brown, around doors, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060416	Expansion joint, gray, warehouse	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060417	Wall panel, gray/brown, west utility room, building 1	80% 20%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060418	Wall panel adhesive, brown, west utility room, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060419	Expansion joint, gray, exterior NW corner,, building 1	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060420	Tar, black, NW corner, warehouse	3% 97%	Nonfibrous Binders Tar	0%	6/13/2018	David D. Lester
18TS060421	Window caulk, gray, exterior, warehouse	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060422	Protrusion tar, black, roof, warehouse	3% 97%	Nonfibrous Binders Tar	0%	6/13/2018	David D. Lester
18TS060423	Seam caulk, white, roof, warehouse	3% 97%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060424	Carpet mastic, tan, throughout, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060425	2 x 2 ceiling tile, gray, throughout, building 2	90% 10%	Mineral Wool Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060426	Floor seam, gray, west storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060427	Seam adhesive, tan, west storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060428	12 x 12 floor tile, brown, west storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060429	Floor tile mastic, brown, west storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060430	Floor leveler, white, west storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060431	2 x 4 ceiling tile, gray, NW utility room/garage, building 2	60% 30% 10%	Cellulose Mineral Wool Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060432	Drywall, white, throughout, building 2	10% 5% 85%	Cellulose Glass Fiber Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060433	Drywall tape, white, throughout, building 2	99% 1%	Cellulose Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060434	Drywall mud, white, throughout, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060435	12 x 12 floor tile, gray, NW garage bay, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060436	Floor tile mastic, brown, NW garage bay, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060437	Floor tile mastic, tan, front reception, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060438	12 x 12 floor tile, gray, front reception, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060439	Floor tile mortar, gray, front reception, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060440	2 x 2 ceiling tile, gray, NW bathroom, building 2	45% 45% 10%	Cellulose Mineral Wool Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060441	Sink undercoating, white, NW bathroom, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060442	Floor tile, gray, NW garage, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060443	Floor tile mastic, tan, NW garage, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060444	Ceramic floor tile, red, NE kitchen breakroom, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060445	Ceramic floor tile, cream, NE kitchen breakroom, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060446	Floor tile grout, dark gray, NE kitchen breakroom, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060447	Floor tile, dark gray, NE kitchen breakroom, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060448	Sink undercoating white, NE kitchen, building 2	2% 98%	Chrysotile Nonfibrous Binders	2%	6/13/2018	David D. Lester
18TS060449	Insulation, yellow, exterior walls, building 2	95% 5%	Glass Fiber Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060450	Seam tape, grey, vents, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060451	Caulk, cream, vent protrusions, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060452	Carpet mastic, tan, under carpet, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060453	Covebase, red, upstairs halls/rooms, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060454	Covebase adhesive, cream, upstairs halls/rooms, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060455	2 x 2 ceiling tile, cream, offices, building 2	90% 10%	Mineral Wool Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060456	Covebase, brown, offices, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060457	Covebase adhesive, cream, offices, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060458	Floor strip, tan, between rooms, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060459	Floor strip adhesive, ta, between rooms, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060460	Rubber floor mat, black, office/computer room, building 2	20% 80%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060461A	Ceiling texture, white, west office, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060461B	Ceiling texture, white, west office, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060461C	Ceiling texture, white, west office, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060462	Puck mastic, tan, behind foam wallboard, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060463	Wall board mastic, tan, SE storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060464	Peg board mastic, tan, SE storage room, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060465	Vent caulk, gray, HVAC corridor, building 2	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060466	Vent dampening fabric, black, HVAC corridor, building 2	15% 85%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060467	Vent insulation, pink, HVAC corridor, building 2	99% 1%	Glass Fiber Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060468	Insulation, pink, SE storage room, building 2	99% 1%	Glass Fiber Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060469	Expansion joint, gray, building 2 exterior	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060470	Caulk, black, building 2 exterior	2% 98%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060471	Expansion caulk, black, building 2 exterior	2% 98%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060472	Caulk, white, building 2 exterior	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

SAMPLE NUMBER	SAMPLE DESCRIPTION	MATERIALS PRESENT %	TYPE	TOTAL ASBESTOS PERCENTAGE	ANALYSIS DATE	Job #: 18-0275 ANALYST
18TS060473	Putty, gray, building 2 exterior	1% 99%	Synthetic Fibers Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060474	Caulk, white, building 2 exterior	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060475	Caulk, beige, building 2 exterior	100%	Nonfibrous Binders	0%	6/13/2018	David D. Lester
18TS060476	Tar, black, building 2 exterior	2% 98%	Nonfibrous Binders Tar	0%	6/13/2018	David D. Lester

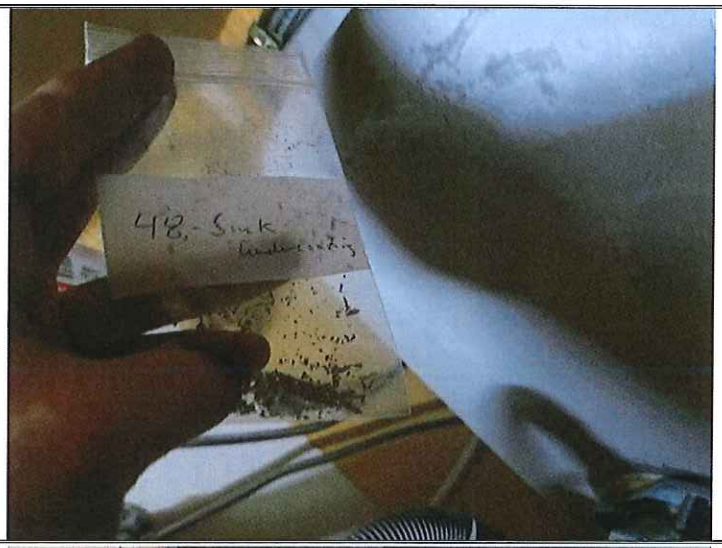
Analyst: David D. Lester

Analysis by Polarized Light Microscopy using EPA 600/R-93-116 Method for Bulk Sample Analysis. Test results pertain only to the material content of the sample(s) analyzed. PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Therefore, negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. If a floor tile is found to contain no asbestos, the EPA recommends additional testing to prove the lack of asbestos in this material. Percentages of fibrous materials reported are representative of the sample analyzed and not necessarily the percentages in the material as a whole. Member of the American Industrial Hygiene Association (AIHA) Bulk Quality Assurance Program, Laboratory ID: 9821

APPENDIX C

Photographs

Photograph table includes photos of all asbestos-containing materials.

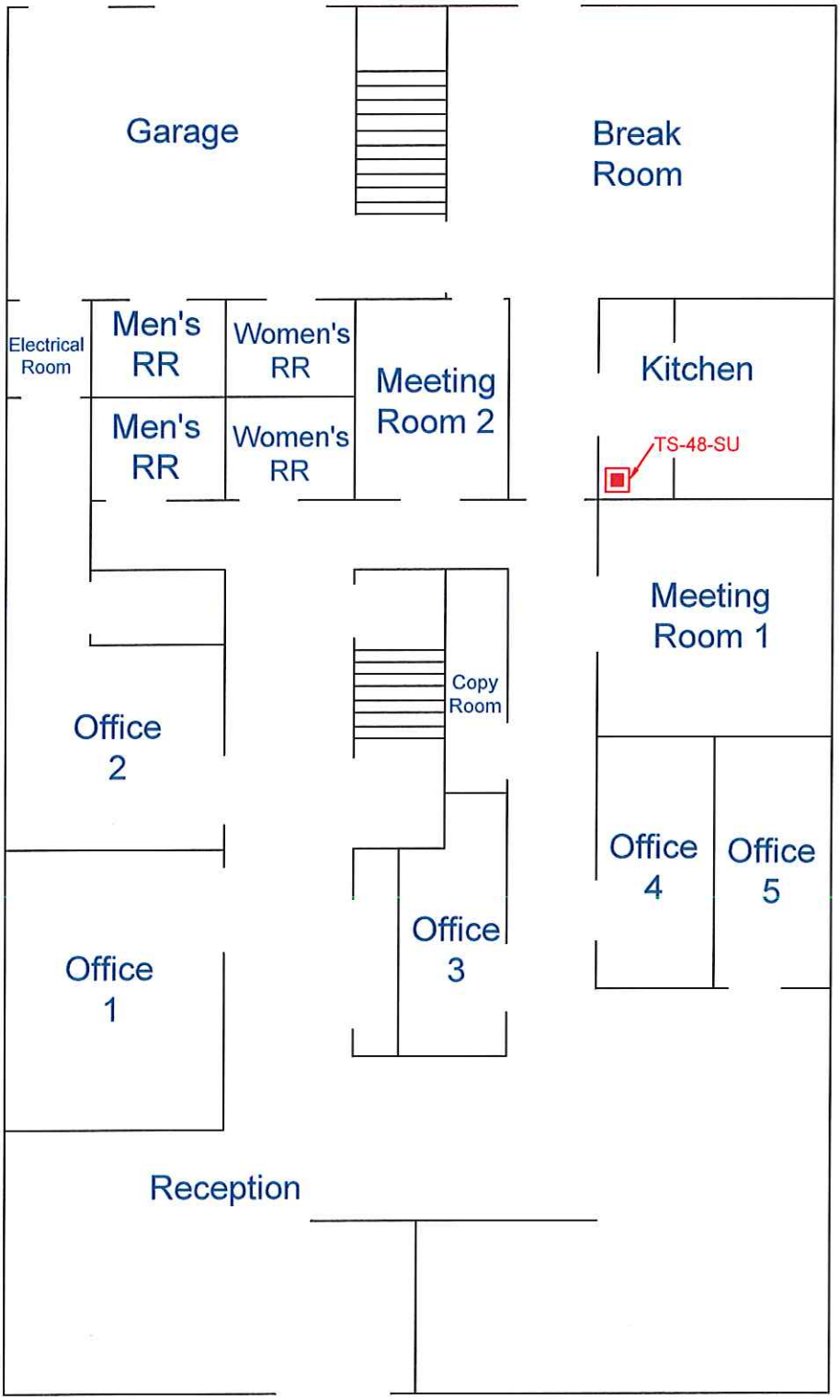
6/4/18 and 6/19/18 **Photographer:** **Eric Lindeen/Madeline Sarcone**	**Asbestos Containing Materials Inspection** **3426 2nd Avenue** **Council Bluffs, Iowa**
Description: Sink Undercoating Sample 18TS060448 Photo #1	
Description: Caulk Sample 18MS061902 Photo #2	

Photograph table includes photos of all asbestos-containing materials.

6/4/18 and 6/19/18 Photographer: Eric Lindeen/Madeline Sarcone	Asbestos Containing Materials Inspection 3426 2nd Avenue Council Bluffs, Iowa
Description: Caulk Sample 18MS061906 Photo #3	

APPENDIX D

Sample Location Map(s)



Asbestos Legend	
Label	Material Substance
SU	Sink Undercoat

Legend

Positive ACM

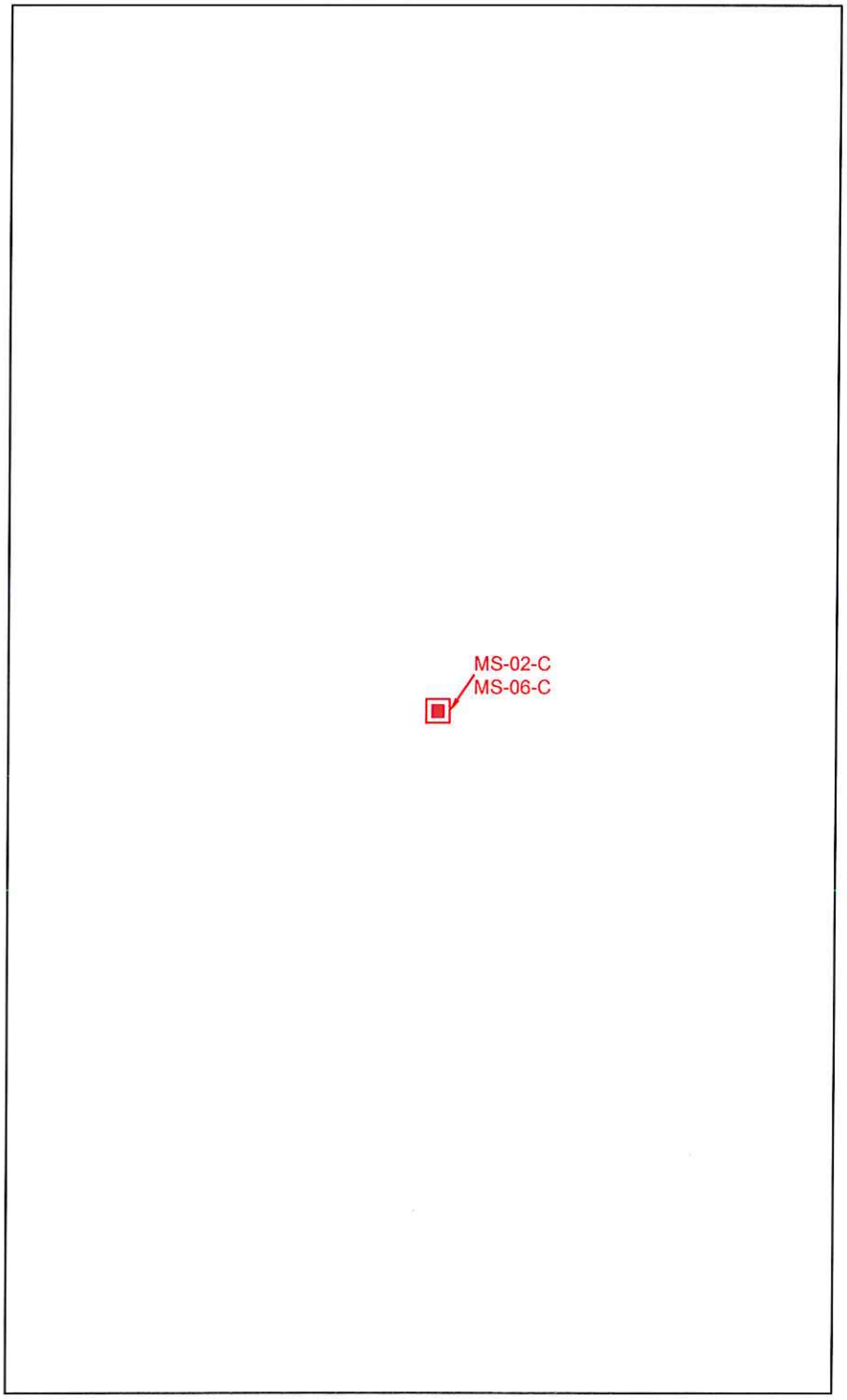
IMPACT7G

JOB DESCRIPTION:
ACM Inspection
Echo Custom Design
3426 2nd Avenue
Council Bluffs, IA

SHEET TITLE:
Positive Summary Map
1st Floor

DATE: 6/29/18
DRAWN BY: TS
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Council Bluffs

N
W E
S



Asbestos Legend	
Label	Material Substance
C	Caulk

Legend

Positive ACM

IMPACT7G

JOB DESCRIPTION:
ACM Inspection
Echo Custom Design
3426 2nd Avenue
Council Bluffs, IA

SHEET TITLE:
Positive Summary Map
Roof

DATE: 6/29/18
DRAWN BY: TS
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Council Bluffs

N
W E
S

ASBESTOS SURVEY



3036 2nd Avenue

Prepared For:

City of Council Bluffs EPA Brownfields Program
209 Pearl Street
Council Bluffs, Iowa 51503

Prepared by:

IMPACT seven G

6505 Merle Hay Road, Suite B
Johnston, Iowa 50131
Impact7G, Inc. Project No. 2013198

March 20th, 2015

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APPENDIX D - Qualifications

1.0 EXECUTIVE SUMMARY

Impact7G, Inc. (Impact7G) conducted an Asbestos Survey on January 30, and March 3, 2015 for the property located at 3036 2nd Avenue in Council Bluffs, Iowa. The purpose of this assessment was to document the presence of asbestos containing materials (ACM). The following table indicates the ACM that will need to be removed from this property prior to demolition.

Table 1 - Asbestos Containing Material Summary

Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Condition (G/F/P)	Location	Quantity
Pipe Wrap	TSI	Y	F	Addition #1	100 LF

2.0 INTRODUCTION

A. Site Information

The property is located at 3036 2nd Avenue in Council Bluffs, Pottawattamie County, Iowa 51501 and is further located at approximately 41° 15' 37.36" North latitude and 95° 53' 33.75" West longitude. The property consists of a 42,100 square foot warehouse/office/storage building, a 2,400 square foot storage building, a 2,552 square foot storage building, and a 10,024 square foot warehouse situated on 4.24 acres of land. The warehouse/office/storage building was built in four phases. The original structure was built in 1918, with additions added in 1946 and 1985, respectively. The first storage building was built in 1982, the second storage building was built in 1988, and the warehouse was built in 1966.

B. Personnel

Project Manager for this environmental assessment is Mr. Mike Goalen, working in conjunction with Mr. Matthew Patrick and Mr. John Doster, Certified Asbestos Inspectors. All lead personnel working on this assessment are 40 hour OSHA HAZWOPER certified.

C. Methodology

Impact7G completed an asbestos survey in accordance with OSHA Regulation 1926.1101. All samples collected in the field were sent to EmLab P&K, an NVLAP certified laboratory, for analysis. The samples were analyzed via the polarized light microscopy (PLM) method for asbestos content. When required, samples were further analyzed via the transmission electron microscopy (TEM) method or PLM 400 Point Count analysis method.

D. Regulation Review

The U.S. EPA qualifies asbestos containing material (ACM) as materials with an asbestos content greater than 1%. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I nonfriable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).

- "Category II nonfriable ACM" is defined as any material, excluding Category I nonfriable ACM, containing more than 1 percent asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.

- "Friable asbestos material" is defined as any material containing more than 1 percent asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is

less than 10 percent as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.0 PROPERTY DESCRIPTION

The property includes a 42,100 square foot warehouse/office/storage building, a 2,400 square foot storage building, a 2,552 square foot storage building, and a 10,024 square foot warehouse situated on 4.24 acres of land. The warehouse/office/storage building was built in four phases. The original structure was built in 1918, with additions added in 1946 and 1985, respectively. The first storage building was built in 1982, the second storage building was built in 1988, and the warehouse was built in 1966. The last known use of the property was storage of wholesale electric supplies for Echo Group, Inc.

4.0 SITE SPECIFIC INFORMATION

One site-specific condition warranted deviation from the scope of services. The overall purpose of each deviation is to protect the health and safety of on-site workers and to ensure field activities produced adequate data to properly characterize site conditions. One ACM deviation was encountered during the inspection activities at this property:

1. Roof components proved inaccessible to Impact7G during the sampling events. Impact7G was unable to collect any samples from the roof due to the moderate grade of the steel roof and the presence of ice on the rooftop. These conditions made sampling of roof components inadvisable at this time. Additional sampling under more advisable conditions with more robust safety precautions may be required prior to demolition to confirm asbestos content.

No other deviations were encountered during the inspection activities at this property.

5.0 ASSESSMENT ACTIVITIES

5.1 Asbestos Containing Material Sampling

Iowa certified asbestos inspectors from Impact7G collected forty-one (48) samples on January 30 and March 3, 2015. The samples were collected from various building components located throughout the structures. Upon completion of bulk sampling activities, samples were sent to a certified laboratory for analysis by polarized light microscopy (PLM). Materials that are "suspect" to contain asbestos are divided into the following three categories:

1. **Surfacing materials** are materials that are sprayed or troweled on for acoustical, decorative, or fireproofing purposes. Examples are textured ceilings or drywall, exterior stucco and structural steel fireproofing;

2. **Thermal System Insulation (TSI)** is insulation used to inhibit heat transfer from pipes, boilers, tanks, ducts, and various other components of hot and cold water

systems and HVAC systems. Examples are hard cementatious "mud" type insulation on pipes, boilers and flues; and,

3. **Miscellaneous** materials are mostly non-friable products and materials such as floor tile, drywall, ceiling tile and roofing felt.

The following tables show samples positively identified by the laboratory to be asbestos containing material (ACM) and samples that were analyzed as non-ACM. The complete analytical results can be found in Appendix C.

Table 2 – Asbestos Containing Material Sample List

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Condition (G, F, P)	Floor	Location	Asbestos Content	Quantity
13	Pipe Wrap	TSI	Y	White/Tan	F	1st	Addition #1	70% Chrysotile 2% Chrysotile	100 LF
14	Pipe Wrap	TSI	Y	White/Tan	F	1st	Addition #1	70% Chrysotile 2% Chrysotile	100 LF
15	Pipe Wrap	TSI	Y	White/Tan	F	1st	Addition #1	70% Chrysotile 2% Chrysotile	100 LF

Asbestos was identified in three (3) bulk samples taken from the property. ACMs were limited to a single run of pipe wrap located in Addition #1 constructed in 1946. Laboratory analytical reports are provided in Appendix C.

Table 3 – Non-Asbestos Containing Material Sample List

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Condition (G, F, P)	Floor	Location	Asbestos Content
1	Floor Tar	Misc	N	Black	F	1st	Building #1	ND
2	Grout	Misc	Y	Gray	F	1st	Building #1	ND
3	Spray Foam Insulations	TSI	Y	Yellow	F	1st	Building #1	ND
4	Spray Foam Insulations	TSI	Y	Yellow	F	1st	Building #1	ND
5	Spray Foam Insulations	TSI	Y	Yellow	F	1st	Building #1	ND
6	Sheet Insulation	TSI	Y	Silver/Yellow	F	1st	Building #1	ND
7	Sheet Insulation	TSI	Y	Silver/Yellow	F	1st	Building #1	ND
8	Sheet Insulation	TSI	Y	Silver/Yellow	F	1st	Building #1	ND
9	Pipe Wrap	TSI	N	Black	F	1st	Building #1	ND
10	Pipe Wrap	TSI	N	Black	F	1st	Building #1	ND
11	Pipe Wrap	TSI	N	Black	F	1st	Building #1	ND
12	Mastic	Misc	Y	Yellow	F	1st	Addition #1	ND
16	Wall Plaster	Surf	Y	White/Brown	F	1st	Addition #1	ND
17	Tape	Misc	Y	White	F	1st	Addition #1	ND
18	Mastic	Misc	Y	Brown	F	1st	Addition #2	ND
19	Mastic	Misc	Y	Brown	F	1st	Addition #2	ND
20	Mastic	Misc	Y	Brown	F	1st	Addition #2	ND
21	Plaster	Surf	Y	White	F	1st	Addition #2	ND
22	Styrene Insulation	TSI	Y	White	F	1st	Addition #2	ND
23	Insulation	TSI	Y	White	F	1st	Addition #2	ND
24	Insulation	TSI	Y	White	F	1st	Addition #2	ND
25	Insulation	TSI	Y	White	F	1st	Addition #2	ND
26	Insulation	TSI	Y	Yellow	F	1st	Addition #2	ND
27	Insulation	TSI	Y	Yellow	F	1st	Addition #2	ND
28	Insulation	TSI	Y	Yellow	F	1st	Addition #2	ND

29	Wire Insulation	TSI	N	White/Yellow	F	1st	Addition #2	ND
30	12x12 Tile and Mastic	Surf	N	Tan/Gray	F	1st	Addition #3 Closet	ND
31	Tar	Misc	N	Black	F	1st	Addition #3 Closet	ND
32	Baseboard and Mastic	Surf	N	Tan/White	F	1st	Addition #3 Closet	ND
33	12x12 Tile and Mastic	Surf	N	Gray/Brown	F	1st	Addition #2 Bathroom	ND
34	Ceiling Tile	Surf	Y	White	G	1st	Addition #2 Bathroom	ND
35	Ceiling Tile and Mastic	Surf	Y	White/Yellow	G	1st	Addition #2 Bathroom	ND
36	Ceiling Tile	Surf	Y	White	G	1st	Addition #2 Break Room	ND
37	Linoleum Flooring and Mastic	Surf	N	Gray/Black	G	1st	Addition #2 Break Room	ND
38	Tile and Mastic	Surf	N	White/Yellow	F	1st	Addition #2 Break Room	ND
39	Pipe Wrap	TSI	N	Black	F	1st	Exterior	ND
40	Caulking	Misc	N	Tan	F	1st	Exterior	ND
41	Ceiling Tile	Surf	Y	White	G	1st	Conference Room	ND
R-1	Flue Flashing	Misc	N	Gray	G	Exterior	Roof	ND
R-2	HVAC Flashing	Misc	N	Gray	G	Exterior	Roof	ND
R-3	Vent Flashing	Misc	N	Gray	G	Exterior	Roof	ND
104	Ceiling Insulation	TSI	N	Pink	G	1st	Building #1	ND
105	Pipe Insulation	TSI	N	Black	G	1st	Addition #2	ND
106	Joint Plaster	Misc	N	White	G	1st	Addition #2	ND
107	Pipe Tar	Misc	N	Black	P	1st	Addition #2	ND

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Condition** – G=Good, F=Fair, P=Poor / **Asbestos Content** – ND=Non Detect / **TR** – Trace amount determined after reanalysis to be <1% and considered Non-ACM

6.0 CONCLUSIONS / RECOMMENDATIONS

The following conclusions and recommendations are summarized as follows:

- Asbestos was detected in one (1) of the building components (with two additional confirmation samples) in the structures located at 3036 2nd Avenue. ACMs were limited to a single run of pipe wrap located in Addition #1 constructed in 1946. Based on the results of the data collected during the assessment, the building requires further action prior to demolition.

Impact7G recommends the abatement of all asbestos containing materials located within the buildings located at 3036 2nd Avenue prior to demolition activities.

7.0 LIMITATIONS

This assessment has been performed in accordance with industry guidelines and is for the exclusive use of the client for evaluation purposes. The conclusions in this report are based on the data obtained from the information reviewed, site observations and laboratory analyses. Reasons exist which make it possible that areas of ACM were not discovered during this assessment. The items may be located in inaccessible areas, such as inside walls or structural members, or buried in the ground.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the *subject site*. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

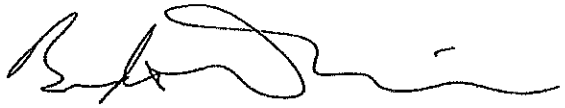
Signatures of the environmental professionals responsible for this report:



John Doster, Environmental Specialist, Field Services, Report Preparer



Michael Goalen, Senior Project Manager



Brandon Neilson, Quality Control / Quality Assurance

APPENDIX A

Site Diagram

Created in TurboCAD LTE,
(www.IMSIDesign.com)

Map-1

3036 2nd Avenue - Asbestos Containing Materials Inspection

Project: 2013198

Date: 1/30/2015

Address:
3036 2nd Avenue
Council Bluffs, Iowa



Building Material Sample

ACM Sample

IMPACT seven G

Drawing not to scale.

Created in TurboCAD LTE,
(www.IMSIDesign.com)

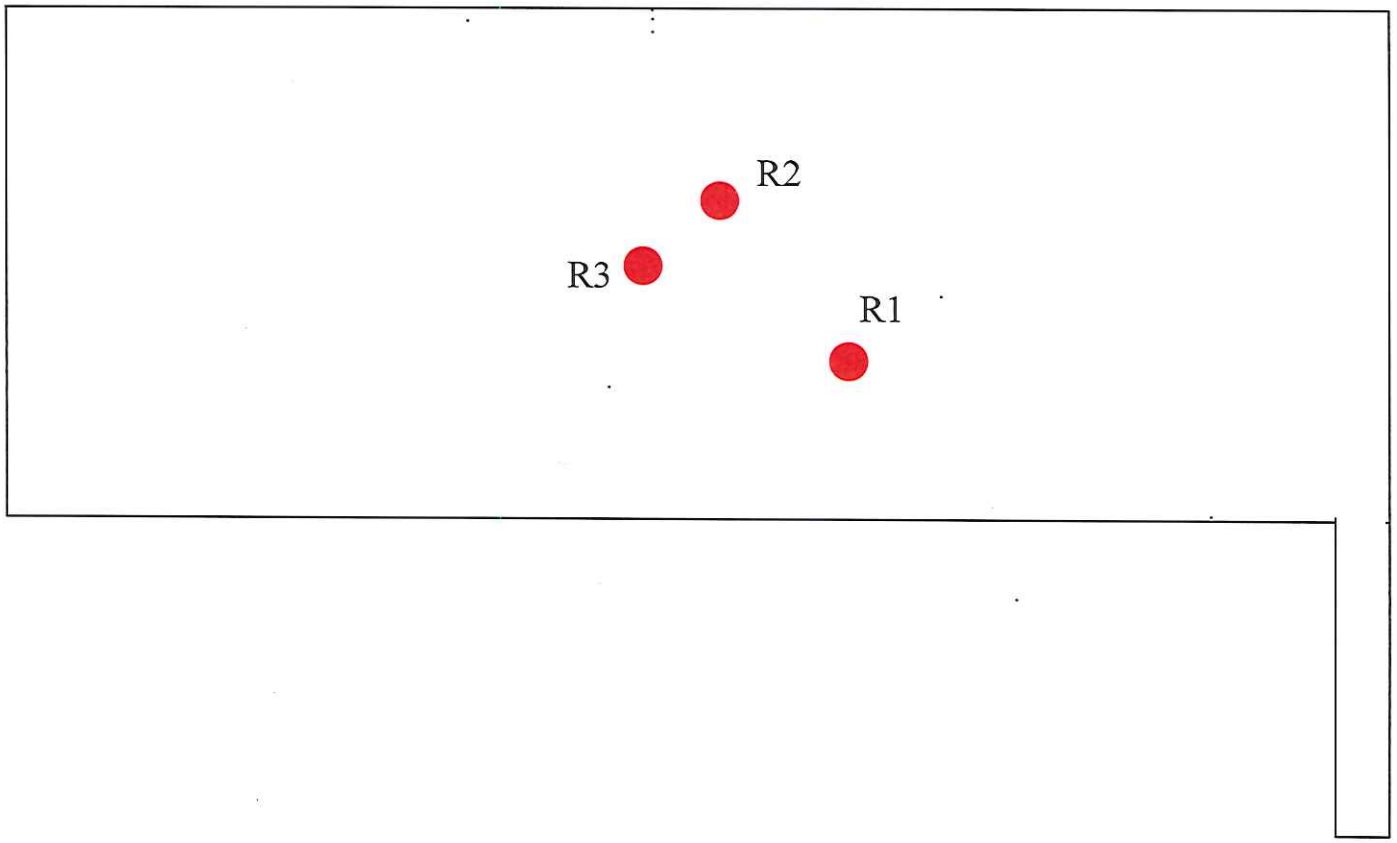
Map-2

3036 2nd Avenue - Asbestos Containing Materials Inspection

Project: 2013198

Date: 3/3/2015

Address:
3036 2nd Avenue
Council Bluffs, Iowa



Building Material Sample

ACM Sample

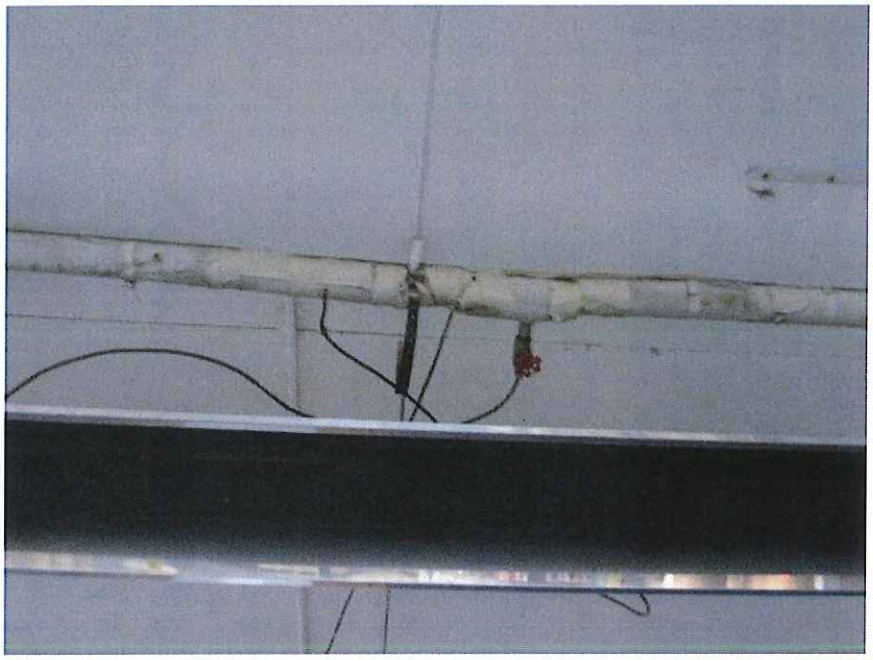
IMPACT seven G

Drawing not to scale.

APPENDIX B

Site Photographs

Photograph Log

Project Name	Asbestos Containing Material Inspection
Project : 2013198 Date: 1-30-15 Photographer: John Doster	
Description: ACM Pipe Wrap from Addition #1.	
Photo #1	

APPENDIX C

Laboratory Reports / Chain of Custody Documentation

EMLab P&K
A TestAmerica Company

Report for:

Brandon Neilson
Impact7G, Inc.
6505 Merle Hay Road, Ste B
Johnston, IA 50131

Regarding: Project: 2013198
EML ID: 1320956

Approved by:



Approved Signatory
Noah Lazarte

Dates of Analysis:
Asbestos PLM: 02-04-2015 and 02-05-2015

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
4955 Yarrow Street , Arvada, CO 80002
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Impact7G, Inc.
C/O: Brandon Neilson
Re: 2013198

Date of Sampling: 01-30-2015
Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	41
Total Samples Analysed:	41
Total Samples with Layer Asbestos Content > 1%:	3

Location: 1, Black Floor Tar — Lab ID-Version‡: 6031557-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: 2, White Grout — Lab ID-Version‡: 6031558-1

Sample Layers	Asbestos Content
Gray Plaster with White Paint	ND
Sample Composite Homogeneity:	Poor

Location: 3, Yellow Spray Foam Insulation — Lab ID-Version‡: 6031559-1

Sample Layers	Asbestos Content
Yellow Foam Insulation with White Paint	ND
Sample Composite Homogeneity:	Moderate

Location: 4, Yellow Spray Foam Insulation — Lab ID-Version‡: 6031560-1

Sample Layers	Asbestos Content
Yellow Foam Insulation with White Paint	ND
Sample Composite Homogeneity:	Moderate

Location: 5, Yellow Spray Foam Insulation — Lab ID-Version‡: 6031561-1

Sample Layers	Asbestos Content
Yellow Foam Insulation with White Paint	ND
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Re: 2013198

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Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 6, Silver/ Yellow Sheet Insulation Lab ID-Version‡: 6031562-1

Sample Layers	Asbestos Content
Yellow Insulation with Silver Foil	ND
Sample Composite Homogeneity:	Moderate

Location: 7, Silver/ Yellow Sheet Insulation Lab ID-Version‡: 6031563-1

Sample Layers	Asbestos Content
Yellow Insulation with Silver Foil	ND
Sample Composite Homogeneity:	Moderate

Location: 8, Silver/ Yellow Sheet Insulation Lab ID-Version‡: 6031564-1

Sample Layers	Asbestos Content
Yellow Insulation with Silver Foil	ND
Sample Composite Homogeneity:	Moderate

Location: 9, Black Pipe Wrap Lab ID-Version‡: 6031565-1

Sample Layers	Asbestos Content
Black Pipe Insulation	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 10, Black Pipe Wrap Lab ID-Version‡: 6031566-1

Sample Layers	Asbestos Content
Black Pipe Insulation	ND
Sample Composite Homogeneity:	Good

Location: 11, Black Pipe Wrap Lab ID-Version‡: 6031567-1

Sample Layers	Asbestos Content
Black Pipe Insulation	ND
Sample Composite Homogeneity:	Good

Location: 12, Yellow Mastic Lab ID-Version‡: 6031568-1

Sample Layers	Asbestos Content
Yellow Mastic with White Paint	ND
Brown Debris	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 13, Tan/ White Pipe Wrap Lab ID-Version‡: 6031569-1

Sample Layers	Asbestos Content
White Fibrous Material with White Paint	ND
White Fibrous Material	70% Chrysotile
Tan Fibrous Material	2% Chrysotile
Composite Non-Asbestos Content:	70% Cellulose 10% Cotton
Sample Composite Homogeneity:	Poor

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Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 14, Tan/ White Pipe Wrap Lab ID-Version‡: 6031570-1

Sample Layers	Asbestos Content
White Fibrous Material with White Paint	ND
White Fibrous Material	70% Chrysotile
Tan Fibrous Material	2% Chrysotile
Composite Non-Asbestos Content:	70% Cellulose 10% Cotton
Sample Composite Homogeneity:	Poor

Location: 15, Tan/ White Pipe Wrap Lab ID-Version‡: 6031571-1

Sample Layers	Asbestos Content
White Fibrous Material with White Paint	ND
White Fibrous Material	70% Chrysotile
Tan Fibrous Material	3% Chrysotile
Composite Non-Asbestos Content:	70% Cellulose 10% Cotton
Sample Composite Homogeneity:	Poor

Location: 16, White/ Brown Wall Plaster Lab ID-Version‡: 6031572-1

Sample Layers	Asbestos Content
Brown Drywall with Brown Paper and Multi-Layered Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Poor

Location: 17, White tape Lab ID-Version‡: 6031573-1

Sample Layers	Asbestos Content
White Texture with White Paint	ND
Cream Tape	ND
Gray/White Joint Compound	ND
Brown Wood	ND
Composite Non-Asbestos Content:	50% Cellulose
Sample Composite Homogeneity:	Poor

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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Date of Sampling: 01-30-2015
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Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 18, Brown Mastic Lab ID-Version‡: 6031574-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 19, Brown Mastic Lab ID-Version‡: 6031575-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 20, Brown Mastic Lab ID-Version‡: 6031576-1

Sample Layers	Asbestos Content
Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 21, White Plaster Lab ID-Version‡: 6031577-1

Sample Layers	Asbestos Content
Yellow Mastic	ND
Off-White Drywall with Brown Paper and White Paint	ND
Gray Cementitious Material	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Poor

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Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 22, White Styrine Insulation Lab ID-Version‡: 6031578-1

Sample Layers	Asbestos Content
White Foam Insulation with Gray Paint	ND
Composite Non-Asbestos Content:	< 1% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 23, White insulation Lab ID-Version‡: 6031579-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	70% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 24, White insulation Lab ID-Version‡: 6031580-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	70% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 25, White insulation Lab ID-Version‡: 6031581-1

Sample Layers	Asbestos Content
Gray Insulation	ND
Composite Non-Asbestos Content:	70% Glass Fibers
Sample Composite Homogeneity:	Good

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Re: 2013198

Date of Sampling: 01-30-2015
Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 26, Yellow Insulation Lab ID-Version‡: 6031582-1

Sample Layers	Asbestos Content
Yellow Foam Insulation	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 27, Yellow Insulation Lab ID-Version‡: 6031583-1

Sample Layers	Asbestos Content
Yellow Foam Insulation	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 28, Yellow Insulation Lab ID-Version‡: 6031584-1

Sample Layers	Asbestos Content
Yellow Foam Insulation	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 29, White/ Yellow Wire Insulation Lab ID-Version‡: 6031585-1

Sample Layers	Asbestos Content
Yellow Insulation with White Plastic Wrap	ND
Composite Non-Asbestos Content:	90% Cellulose
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
4955 Yarrow Street , Arvada, CO 80002
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Impact7G, Inc.
C/O: Brandon Neilson
Re: 2013198

Date of Sampling: 01-30-2015
Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 30, Tan 12x12 tile and mastic Lab ID-Version‡: 6031586-1

Sample Layers	Asbestos Content
Tan Ceramic Tile	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

Location: 31, Black tar Lab ID-Version‡: 6031587-1

Sample Layers	Asbestos Content
Black Tar	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 32, White Baseboard and mastic Lab ID-Version‡: 6031588-1

Sample Layers	Asbestos Content
Tan Baseboard	ND
Off-White Adhesive	ND
White Cementitious Material	ND
Sample Composite Homogeneity:	Poor

Location: 33, Pink 12x12 tile and mastic Lab ID-Version‡: 6031589-1

Sample Layers	Asbestos Content
Gray Ceramic Tile	ND
Brown Cementitious Material	ND
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Poor

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
4955 Yarrow Street , Arvada, CO 80002
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Impact7G, Inc.
C/O: Brandon Neilson
Re: 2013198

Date of Sampling: 01-30-2015
Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 34, White ceiling tile Lab ID-Version‡: 6031590-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	70% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 35, White ceiling tile and yellow mastic Lab ID-Version‡: 6031591-1

Sample Layers	Asbestos Content
Cream Ceramic Tile	ND
Yellow Mastic	ND
White Texture	ND
Cream Tape	ND
White Joint Compound with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Poor

Location: 36, White ceiling tile Lab ID-Version‡: 6031592-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 5% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: 37, Gray linoleum Flooring and black mastic Lab ID-Version‡: 6031593-1

Sample Layers	Asbestos Content
Gray Linoleum	ND
Brown Debris	ND
Composite Non-Asbestos Content:	5% Glass Fibers
Sample Composite Homogeneity:	Moderate

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

EMLab P&K
4955 Yarrow Street , Arvada, CO 80002
(800) 651-4802 Fax (623) 780-7695 www.emlab.com

Client: Impact7G, Inc.
C/O: Brandon Neilson
Re: 2013198

Date of Sampling: 01-30-2015
Date of Receipt: 02-03-2015
Date of Report: 02-06-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 38, White tile and yellow mastic Lab ID-Version‡: 6031594-1

Sample Layers	Asbestos Content
Cream Ceramic Tile	ND
Yellow Mastic	ND
White Cementitious Material	ND
Sample Composite Homogeneity:	Poor

Location: 39, Black pipe wrap Lab ID-Version‡: 6031595-1

Sample Layers	Asbestos Content
Black Pipe Insulation	ND
Sample Composite Homogeneity:	Good

Location: 40, Beige Caulking Lab ID-Version‡: 6031596-1

Sample Layers	Asbestos Content
Tan Caulk	ND
Black Non-Fibrous Material	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 41, White Ceiling tile Lab ID-Version‡: 6031597-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	50% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Moderate

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY

www.EMLabPK.com

EMLab P&K
A TestAmerica Company

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-5653

Weather	Fog	Rain	Snow	Wind	Clear
Level: None	☐	☐	☐	☐	☒
Light	☐	☐	☐	☐	
Moderate	☐	☐	☐	☐	
Heavy	☐	☐	☐	☐	

REQ (Us

001320956

CONTACT INFORMATION

Company:	Impact7G, Inc.	Address:	6505 Merle Hay Rd, Ste B, Johnston, IA 50131
Contact:	Mike Gaston / Matt Patrick	Special Instructions:	
Phone:	515-473-6256		

PROJECT INFORMATION

Project ID:	2013198		
Project Description:	Council Bluffs Brownfields - 3036 2nd Ave		
Project Zip Code:	50501	Sampling Date & Time:	1/30/13 12:00
PO Number:		Sampled By: MR/JD	

TURN AROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush
WH – Weekend / Holiday

Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
1	Black Floor Tar	B	STD		
2	White Grout				
3	Yellow Spray Foam Insulation				
4	" "				
5	" "				
6	Silver/Yellow Sheet Insulation				
7	" "				
8	" "				
9	Black Pipe Wrap				
10	" "				
11	" "				

Non-Culturable				BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates											Other Requests			
Spore Trap		Tape Swab Bulk																
Fungi – Spore Trap Analysis	Spore Trap Analysis – Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Gram Stain & Counts (Culturable Air & Surface Bacteria)	Legionella culture	Total Coliform, E. coli (Presence/Absence)	Membrane Filtration (specify organism):	MPN Bacteria (specify organism):	QuantiTray – Sewage Screen	Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis – PLM (EPA method 600/R-93-116)	PCR (specify test):	
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SAMPLE TYPE CODES

BC – BioCassette ™	ST – Spore Trap: Zefon, Allergenco, Burkard ...	T – Tape	D – Dust
ATS – Anderson		SW – Swab	SO – Soil
SAS – Surface Air Sampler	P – Potable Water	B – Bulk	
CP – Contact Plate	NP – Non-Potable Water	O – Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
	2/1/13 12:00	KPJ	2/3/13 1:40

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at http://www.emlab.com/s/main/servicetcms.html

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Sample ID	Descriptions	Sample Type	TAT	Total Volume/Area	Notes
12	Yellow Mastic	R	STD		Asbestos Analysis - PLM
13	Tan/white Pipe Wrap				
14	" "				
15	" "				
16	White/Brown Wall Plaster				
17	White Tape				
18	Brown Mastic				
19	" "				
20	" "				
21	White Plaster				
22	White Styrene Insulation				
23	White Insulation				
24	" "				
25	" "				
26	Yellow Insulation				
27	" "				
28	" "				
29	White/Yellow Wire Insulation				
30	Tan 12 x 12 Tile and Mastic				
31	Black Tar				
32	White Baseboard and Mastic				
33	Pink 12 x 12 tile and Mastic				
34	White Ceiling Tile				
35	White tile and Yellow Mastic				
36	White Ceiling Tile				
37	Grey Linoleum Flooring and Black Mastic				
38	White tile and yellow mastic				
39	Black Pipe wrap				
40	Beige Caulking				
41	white Ceiling Tile	↓	↓		↓

EMLab P&K
A TestAmerica Company

Report for:

Mike Goalen
Impact7G, Inc.
6505 Merle Hay Road, Ste B
Johnston, IA 50131

Regarding: Project: 2013198 Council Bluffs Brownfields: 3036 2nd Ave.; Council Bluffs Brownfields: 3036 2nd Ave.
EML ID: 1334718

Approved by:



Approved Signatory
Tracy Garcia

Dates of Analysis:
Asbestos PLM: 03-11-2015

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

EMLab P&K
TestAmerica Atlanta, 6500 McDonough Dr, Suite C-10, Norcross, GA 30093
(877) 711-8400 Fax (954) 776-8485 www.emlab.com

Client: Impact7G, Inc.
C/O: Mike Goalen
Re: 2013198 Council Bluffs Brownfields: 3036 2nd Ave.; Council Bluffs Brownfields: 3036 2nd Ave.

Date of Sampling: 03-03-2015
Date of Receipt: 03-09-2015
Date of Report: 03-11-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted:	7
Total Samples Analyzed:	7
Total Samples with Layer Asbestos Content > 1%:	0

Location: R1, Flue Flashing — Lab ID-Version‡: 6100307-1

Sample Layers	Asbestos Content
Gray Non-Fibrous Material	ND
Sample Composite Homogeneity:	Moderate

Location: R2, HVAC Flashing — Lab ID-Version‡: 6100308-1

Sample Layers	Asbestos Content
Gray Non-Fibrous Material	ND
Light Gray Putty	< 1% Chrysotile
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: R3, Vent Flashing — Lab ID-Version‡: 6100309-1

Sample Layers	Asbestos Content
Gray Non-Fibrous Material	ND
Sample Composite Homogeneity:	Moderate

Location: 104, Drop Coiling Insulation — Lab ID-Version‡: 6100310-1

Sample Layers	Asbestos Content
Pink Insulation	ND
Composite Non-Asbestos Content:	99% Glass Fibers < 1% Cellulose
Sample Composite Homogeneity:	Moderate

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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TestAmerica Atlanta, 6500 McDonough Dr, Suite C-10, Norcross, GA 30093
(877) 711-8400 Fax (954) 776-8485 www.emlab.com

Client: Impact7G, Inc.
C/O: Mike Goalen
Re: 2013198 Council Bluffs Brownfields: 3036 2nd Ave.; Council Bluffs Brownfields: 3036 2nd Ave.

Date of Sampling: 03-03-2015
Date of Receipt: 03-09-2015
Date of Report: 03-11-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 105, Warehouse Pipe Insulation Lab ID-Version‡: 6100311-1

Sample Layers	Asbestos Content
Black Non-Fibrous Material	ND
Sample Composite Homogeneity:	Moderate

Location: 106, Joint Plaster Lab ID-Version‡: 6100312-1

Sample Layers	Asbestos Content
Off-White Plaster	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 107, Pipe Seal/ Tar Lab ID-Version‡: 6100313-1

Sample Layers	Asbestos Content
Black Roofing Tar	ND
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Poor

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‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY

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Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-8853

Weather	Fog	Rain	Snow	Wind	Clear
Level: None	☒	☒	☒	☐	☒
Light	☐	☐	☐	☒	
Moderate	☐	☐	☐	☐	
Heavy	☐	☐	☐	☐	

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CONTACT INFORMATION

Company:	Impact 7G	Address:	6565 Mark Hwy Rd, Ste B Johnston, IA 50131
Contact:	Mike Goalen	Special Instructions:	mgoalen@impact7g.com
Phone:	515-473-6256		

PROJECT INFORMATION

Project ID:	2013198		
Project Description:	Council Bluffs Brownfields: 3036 3rd Ave		
Project Zip Code:	50501	Sampling Date & Time:	3/3/15 12:00
PO Number:		Sampled By:	John Porter

TURN AROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush
WH – Weekend / Holiday

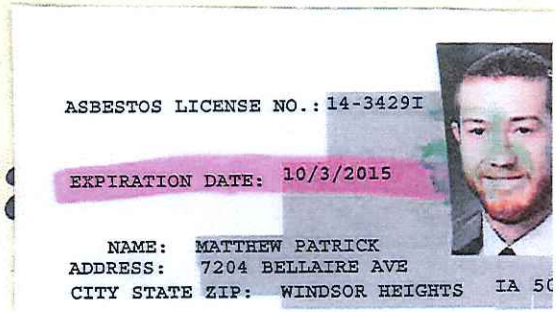
Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
R1	Flue Flashing	B	STD		
R2	HVAC Flashing				
R3	Vent Flashing				
104	Drop-Ceiling Insulation				
105	Warehouse Pipe Insulation				
106	Pipe Joint Plaster				
107	Pipe Seal/Tar	↓	↓		

| Non-Culturable | | | | |

APPENDIX D

Qualifications



Ames Environmenta

certifies that

MATTHEW PATRICK

has successfully completed and passed the associated examination for

Asbestos Inspector Annual Review

course accredited by the State of Missouri and conducted in accordance with the requirements of 40 CFR 763. The person receiving this certificate has completed the required training for asbestos certification under TSCA Title II.

Course Date: October 3, 2014
Examination Date: October 3, 2014
Expiration Date: October 3, 2015
Course Location: 101 Story Street, Slater, Iowa
Certificate Number: IAVIIAEI15011

Kimberly G Crossen

Director of Training
410 Main Street
Slater, IA 50244
515-685-2299

Ames Environmental, Inc.

certifies that

JOHN DOSTER

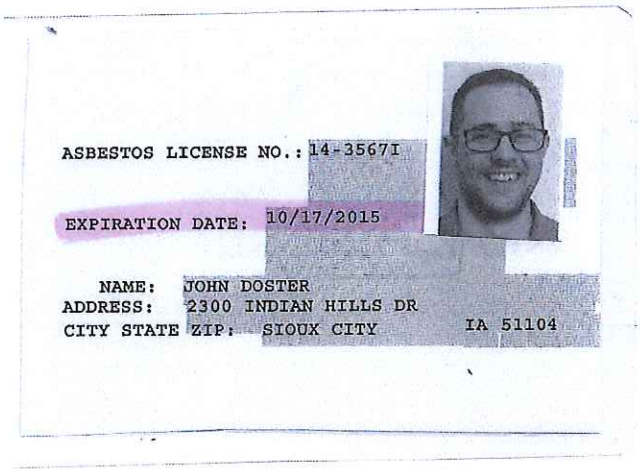
has successfully completed and passed the associated examination for

Asbestos Inspector Annual Review

course accredited by the State of Missouri and conducted in accordance with the requirements of 40 CFR 763. The person receiving this certificate has completed the required training for asbestos certification under TSCA Title II.

Course Date: October 17, 2014
Examination Date: October 17, 2014
Expiration Date: October 17, 2015
Course Location: 305 Benton Street, Slater, Iowa
Certificate Number: IAVIIAEI15094

Director of Training
410 Main Street
Slater, IA 50244
515-685-2299



ASBESTOS LICENSE NO.: 14-3567I

EXPIRATION DATE: 10/17/2015

NAME: JOHN DOSTER
ADDRESS: 2300 INDIAN HILLS DR
CITY STATE ZIP: SIOUX CITY IA 51104

ATTACHMENT D

Bidder's Proposal and Project Experience

PROPOSAL

Project: ***2nd Avenue Sites Demolition and Restoration***
City of Council Bluffs, Iowa

Name of Bidder: _____

Address of Bidder: _____

Type of Entity (Corporation, Partnership, Sole Proprietorship) _____

If Incorporated, State of Incorporation: _____

Resident Bidder: Yes or No

Nonresident Bidder Preferences:

Does (do) any preference(s) exist in your (home) state or country of domocile for resident bidders (including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from your (home) state or country of domocile at this time? Yes or No

If "yes", please list below the citation(s) of Authority for any preference(s) (law/statute/legislation/regulation), the state in which any have been enacted, and attach a copy of the Authority (law/statute/legislation/regulation) to this bid proposal.

_____

_____

_____

_____

_____

Note: Any bid proposal from a non-resident bidder may not be responsive unless a full copy of the Authority is attached.

PROPOSAL (Continued)

Project: ***2nd Avenue Sites Demolition and Restoration***
City of Council Bluffs, Iowa

To:
MAYOR AND CITY COUNCIL OF THE
CITY OF COUNCIL BLUFFS, IOWA

(For purposes of this Proposal, the City of Council Bluffs ("City") shall be deemed the "Owner" with respect to its Division(s) of the Work)

The undersigned have carefully examined the plans, specifications and contract documents, including addenda _____; and hereby agrees to enter into a contract within 15 days of award by the City Council;

and hereby agrees the enclosed Bid Security will be forfeited to the City as liquidated damages for failure to enter a contract as specified;

and hereby proposes to furnish all labor, material and equipment required to perform the work according to the following schedule for the unit prices set forth:

NOTICE: Submit Proposals on this form. See Instructions to Bidders and Notice to Bidders for manner of submittal and bid security details.

Project: *2nd Avenue Sites Demolition and Restoration*
City of Council Bluffs, Iowa

ITEM #	DESCRIPTION	ESTIMATED QUANTITY		BID UNIT PRICE	UNIT PRICE EXTENSION
Division I : Demolition of 3036 2nd Avenue					
1-1.	Remove concrete pads and paving	8,230	SY		
1-2.	Remove asphalt paving	4,875	SY		
1-3.	Sawcut concrete	232	LF		
1-4.	Building demolitions and removal	47,052	SF		
1-5.	Remove fence and posts	1,190	LF		
1-6.	Asbestos removal	1	LS		
1-7.	Misc demolition and removal (foundations, column footings, bollards, gravel, etc.)	1	LS		
1-8.	Clear and Grubbing	1	LS		
1-9.	Traffic Control	1	LS		
				Division I Subtotal Bid:	
Division II : Demolition of 3426 2nd Avenue					
2-1.	Remove concrete pads and paving	1,320	SY		
2-2.	Sawcut concrete	260	LF		
2-3.	Building demolition and removal	6,000	SF		
2-4.	Remove fence	635	LF		
2-5.	Asbestos removal	1	LS		
2-6.	Misc demolition and removal (foundations, column footings,	1	LS		
2-7.	Clear and Grubbing	1	LS		
2-8.	Traffic Control	1	LS		
				Division II Subtotal Bid:	
Division III : Restoration of 3036 2nd Avenue					
3-1.	Backfill material, including grading and compaction	22,540	SY		
3-2.	Construct Curb and Gutter	216	LF		
3-3.	Seeding, Fertilizing, & Mulching	0.5	AC		
3-4.	Silt Fence	1,270	LF		
3-5.	Inlet Protection	2	EA		
3-6.	Traffic Control	1	LS		
				Division III Subtotal Bid:	

Project: *2nd Avenue Sites Demolition and Restoration*
City of Council Bluffs, Iowa

ITEM #	DESCRIPTION	ESTIMATED QUANTITY		BID UNIT PRICE	UNIT PRICE EXTENSION
Division IV : Restoration of 3426 2nd Avenue					
4-1.	Backfill material, including grading and compaction	2,045	SY		
4-2.	Construct Curb and Gutter	122	LF		
4-3.	Replace 4" PCC sidewalk	50	SY		
4-4.	Seeding, Fertilizing, & Mulching	0.05	AC		
4-5.	Silt Fence	560	LF		
4-6.	Inlet Protection	1	EA		
4-7.	Traffic Control	1	LS		
				Division IV Subtotal Bid:	
				Divisions I, II, III, and IV Subtotal Bid:	
Add Alternate I : Restoration West of 3036 2nd Avenue					
A-1.	Misc demolition and removal (signs, pavement, gravel, etc.)	1	LS		
A-2.	Backfill material, including grading and compaction	10,100	SY		
A-3.	Construct Curb and Gutter	125	LF		
A-4.	Replace 4" PCC sidewalk	115	SY		
A-5.	Seeding, Fertilizing, & Mulching	2.1	AC		
A-6.	Silt Fence	1,330	LF		
A-7.	Inlet Protection	3	EA		
A-8.	Traffic Control	1	LS		
				Add Alternate I Subtotal Bid:	
				Total Bid:	

Project: *2nd Avenue Sites Demolition and Restoration*
City of Council Bluffs, Iowa

A. Past Project Information requested in Notice to Bidders

1. _____
Project Description

_____ _____ _____
Project Contract Amount *Project Location* *Date Completed*

_____ _____
Name of Contact Person *Phone Number of Contact Person*

2. _____
Project Description

_____ _____ _____
Project Contract Amount *Project Location* *Date Completed*

_____ _____
Name of Contact Person *Phone Number of Contact Person*

3. _____
Project Description

_____ _____ _____
Project Contract Amount *Project Location* *Date Completed*

_____ _____
Name of Contact Person *Phone Number of Contact Person*

B. The work will be completed within the time allotted by the Notice to Bidders.

The Owner shall be entitled to deduct from monies of the Contractor for liquidated damages an amount equal to $750.00 for each and every working day that the Contractor is in default of substantial completion of the work.

C. The undersigned bidder agrees prior to incorporation of materials and equipment in the work to furnish owner with a certificate from all suppliers of material and equipment that such materials and equipment are in compliance with the plans and specifications.

The undersigned bidder states that his Proposal is made in good faith, without collusion or connection with any other person or persons bidding on the work.

The undersigned bidder states that this Proposal is made in conformity with the Contract Documents and agrees that, in the event of any discrepancies or differences between any conditions of this proposal and the Contract Documents prepared by Snyder & Associates, Inc., the provisions of the latter shall prevail.

BIDDER: _____
(Legal name of corporation, partnership, or sole proprietorship)

SIGNATURE: _____
BY: _____
(Name typed or printed)

TITLE: _____
(Corporate office held, partner, or sole owner)

ADDRESS: _____
_____

TELEPHONE: _____

POLICY STATEMENT

Each contractor shall cause each of his/her subcontractors to file compliance reports with the contracting agency or the Secretary of Labor as may be directed. Compliance reports shall be filed within such time and shall contain such information as to the practices, policies, programs, and employment policies, programs, and employment statistics of the contractor and each subcontractor, and shall be in such form as the Secretary of Labor or contracting agency may prescribe.

Bidders or prospective contractors or subcontractors may be required to state whether they have participated in any previous contracts subject to the provisions of this nondiscrimination in employment form or Executive Order 11246, or any proceeding similar to either of the two aforementioned items, and in that event to submit, on behalf of themselves and their proposed subcontractors, compliance reports prior to or as an initial part of their bid or negotiation of a contract.

Whenever the contractor or subcontractor has a collective bargaining agreement or other contract or understanding with a labor union or an agency referring workers or providing or supervising apprenticeship or training for such workers, the compliance report shall include such information as to such labor union's or agency's practices and policies affecting compliance as the Secretary of Labor or contracting agency may prescribe; provided, that to the extent such information is within the exclusive possession of a labor union or an agency referring workers or providing or supervising apprenticeship or training in such labor union or agency shall refuse to furnish such information to the contractor, the contractor shall so certify to the Secretary of Labor or contracting agency as part of its compliance report and shall set forth what efforts he/she has made to obtain such information.

The Secretary of Labor or contracting agency may direct that any bidder or prospective contractor or subcontractor shall submit, as part of his/her compliance report, a statement in writing, signed by an authorized officer or agent on behalf of any labor union or any agency referring workers or providing or supervising apprenticeship or other training, with which the bidder or prospective contractor deals, with supporting information, to the effect that the signer's practices and policies do not discriminate on the grounds of age, race, creed, color, sex, national origin, religion, or disability, and that the signer either will affirmatively cooperate in the implementation of the policy and provisions of this nondiscrimination in employment clause, or that it consents and agrees that recruitment, employment, and the terms and conditions of employment under the proposed contract shall be in accordance with the purposes and provisions of this nondiscrimination in employment clause. In the event that the union or the agency shall refuse to execute such a statement, the compliance report shall so certify and set forth what efforts have been made to secure such a statement and such additional factual material as the Secretary of Labor or the contracting agency may require.

TITLE VI & EEO CERTIFICATE OF COMPLIANCE

I. Contract Clauses Incorporated by Reference

A. Equal Employment Opportunity

The undersigned agrees that if it has 50 or more employees and (1) has a subcontract of $10,000 or more; or (2) has Government bills of lading which can reasonably be expected to total $10,000 or more in any 12-month period; or (3) serves as a depository of Government funds in any amount; or (4) is a financial institution which is an issuing and paying agent for U.S. savings bonds and savings notes in any amount, it will develop a written affirmative action compliance program for each of its establishments within 120 days from the commencement of this contract.

B. Affirmative Action for Disabled Veterans of the Vietnam Era

The undersigned agrees that if it holds a contract of $10,000 or more and if it has 50 or more employees, it will prepare and maintain an affirmative action program at each establishment, setting forth its policies, practices, and procedures relating to the employment and advancement of disabled veterans and veterans of the Vietnam Era, in accordance with the provisions of 41 CFR 60-250.6. This program may be integrated into or kept separate from other affirmative action programs of the undersigned, but must be prepared within 120 days of commencement of this contract.

C. Affirmative Action for Handicapped Workers

The undersigned agrees that if it holds a contract of $10,000 or more and if it has 50 or more employees, it will prepare and maintain an affirmative action program at each establishment, setting forth its policies, practices, and procedures relating to the employment and advancement of handicapped workers in accordance with the provisions of 41 CFR 60-741.5. This program may be integrated into or kept separate from other affirmative action programs of the undersigned, but must be prepared within 120 days of commencement of this contract.

D. Title VI

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "Contractor") agrees as follows:

1. Compliance with Regulations: The Contractor shall comply with the Regulations relative to nondiscrimination in federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the "Regulations"), which are herein incorporated by reference and made a part of this contract.

2. Nondiscrimination: The Contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, national origin, sex, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix "B" of the Regulations.

3. Solicitations for Subcontracts, Including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor of the Contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, national origin, sex, age, or disability.

4. Information and Reports: The Contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City of Council Bluffs, the Iowa Department of Transportation or Federal Highway Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the Contractor shall so certify to the City of Council Bluffs, the Iowa Department of Transportation or the Federal Highway Administration as appropriate, and shall set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, the City of Council Bluffs shall impose such contract sanctions as it, the Iowa Department of Transportation or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
    a. withholding of payments to the contractor under the contract until the contractor complies; and/or,
    b. cancellation, termination or suspension of the contract, in whole or in part.

6. Incorporation of Provisions: The Contractor shall include the provisions of Paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The Contractor shall take such action with respect to any subcontract or procurement as the City of Council Bluffs, the Iowa Department of Transportation or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for non-compliance; provided, however, that, in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the Contractor may request the City of Council Bluffs or the Iowa Department of Transportation to enter into such litigation to protect the interests of the City of Council Bluffs or the Iowa Department of Transportation; and, in addition, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

II. **Standard Form 100 (EEO-1) Reports**

If the undersigned is (1) not exempt from the provisions of the Equal Opportunity Clause; (2) has 50 or more employees; (3) is a prime contractor or first tier subcontractor; and (4) has a contract, subcontract or purchase order amounting to $10,000 or more or serves as a depository of Government funds in any amount or is a financial institution which is an issuing and paying agent for U.S. savings bonds and savings notes, the undersigned agrees that it will file with the appropriate Federal agency a complete and accurate report on Standard Form 100 (EEO-1) within 30 days after the signing of this certificate or the award of any such purchase order (unless such a report has been filed in the last 12 months).

III. **Certificates of Non-Segregated Facilities**

In accordance with 41 CFR 60-1.8 the undersigned certifies that it does not and will not maintain any facilities it provides for its employees in a segregated manner, or permit its employees to perform their services at any location under its control where segregated facilities are maintained; and that the undersigned will obtain a similar certification prior to the award of any non-exempt subcontract.

NONDISCRIMINATION IN EMPLOYMENT CLAUSE

In accordance with the affirmative action program of the City of Council Bluffs, Iowa, and Executive Order 11246 as amended, all contracts entered into on behalf of the City shall agree:

"During the performance of the contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor unions or workers' representative of the contractor's commitments under this nondiscrimination in employment clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order No. 11246, the rules, regulations, and relevant orders of the Secretary of Labor, Title 7 of the Civil Rights Act of 1964, Chapter 601A of the Iowa Code and Chapter 8.39 of the Council Bluffs Municipal Code.

(5) The contractor will furnish all information and reports required by the laws cited in the previous section, and will permit access to his/her books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with the laws as specified in the previous section.

(6) Any bidder or prospective contractor or subcontractor shall submit their written policy on work place harassment, including a plan for educating management and personnel on how to prevent, detect and correct situations that may reflect such hostile and harassing actions. Any bidder or prospective contractor or subcontractor shall submit a copy of their policy regarding equal opportunity for employment, and a copy of their affirmative action plan.

(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part, and the contractor may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 11246 and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 or by rule, regulation or order or as otherwise provided by law.

(8) The contractor shall include the provisions of the nondiscrimination in employment clause from beginning through paragraph (8) in every subcontract or purchase order, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the contracting agency or Secretary of Labor as a means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or a vendor as a result of such direction, the contractor may request the United States and/or the contracting agency to enter into such litigation to protect the interests of the United States and/or the contracting agency."

Full Legal Name of Company:_____

By: Name (Print) _____ Signature:_____

Title:_____ Date:_____