

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
FOR
CROW TRIBAL BUILDING
#1 BAATCHEEITCHE AVENUE
CROW AGENCY, BIG HORN COUNTY, MONTANA**

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
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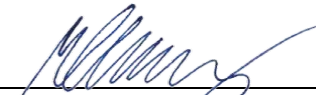
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LIST OF ACRONYMS

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
ARM	Administrative Rules of Montana
ASTM	ASTM International
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
cm ²	square centimeter
DEQ	Department of Environmental Quality
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
HUD	United States Department of Housing and Urban Development
IHS	Indian Health Service
in.	inches
LBP	lead-based paint
LF	linear feet
MT	Montana
N/A	Not Applicable
PCB	polychlorinated biphenyl
PLM	Polarized Light Microscopy
QA	Quality Assurance
QC	Quality Control
RACM	regulated asbestos-containing material
SAP	Sampling and Analysis Plan
SOO	Statement of Objectives
sq. ft.	square feet
START	Superfund Technical Assessment and Response Team
TBA	Targeted Brownfields Assessment
TCLP	Toxicity Characteristic Leaching Procedure
TDD	Technical Direction Document
TEM	Transmission Electron Microscopy
WESTON	Weston Solutions, Inc.

SUMMARY

The United States Environmental Protection Agency (EPA) tasked the Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) to assist the EPA in conducting a Phase II Environmental Site Assessment (ESA) for the Crow Tribal Building located at #1 Baatcheeitche Avenue in Crow Agency, Montana (MT) (Site) (Figure 1).

SCOPE OF WORK

This Phase II ESA was conducted in accordance with Technical Direction Document (TDD) 0003/2001-02 and ASTM International (ASTM) E1903-11– Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. The purpose of a Phase II ESA is to achieve the objectives set forth in the Statement of Objectives (SOO) developed by the EPA, user(s), and the Phase II Assessor. Goals for this Phase II ESA were to acquire and evaluate sufficient information to determine the location and concentration of potential environmental contamination at the Site, if present. The specific SOO for this Phase II ESA were as follows:

- Evaluate suspected contaminants that may be present in building materials at the Site (e.g., asbestos-containing material [ACM] and lead-based paint [LBP]);
- Assess and evaluate potential lead and/or asbestos impacts to surface soils at the Site, if exterior LBP or friable asbestos is identified on the exterior of the building;
- Conduct visual inspections to determine presence/absence of polychlorinated biphenyl (PCB)-containing equipment, mercury-containing equipment, and mold;
- Develop sufficient information to render a reasonable professional opinion whether hazardous substances either are or are not present at the Site and if there has been a release or a release to the environment is likely. If present, include concentrations of hazardous substances based on field screening and/or laboratory analysis of samples;
- Gather and provide sufficient data to assist the Targeted Brownfields Assessment (TBA) recipient in making informed decisions with regard to the future use of the property; and
- Obtain sufficient data to support conceptual remediation cost estimating, if necessary.

SITE BACKGROUND

The Site is located in a residential use area of Crow Agency, MT. The total property is approximately 1.6 acres and features a building of approximately 30,300 square feet (sq. ft.) with an approximately 9,700 sq. ft. basement. The building is comprised of five (5) sections of differing construction dates ranging from 1937 to 1974. The property historically operated as an Indian Health Service (IHS) Unit Hospital until being transferred to the Crow Tribe of Indians for use as the Tribal Executive office building. A previous ACM and LBP inspection was performed in 2008 by Tetra Tech and all ACM and LBP identified was remediated by IHS prior to transfer of the building. A fire occurred at the Site in May 2019 and consequently the building was vacated.

The Crow Tribe of Indians is planning on demolishing the building and redeveloping the Site. Due to the age of the structure, the presence of ACM, LBP, and other environmental hazards is possible.

The stakeholders would like to determine the extent and locations of possible contaminants before moving forward with redevelopment.

SUMMARY OF RESULTS AND CONCLUSIONS

Phase II assessment fieldwork was conducted on February 13, 14, and 16, 2020. Results of the Phase II ESA have identified the presence of contaminants of concern (COCs) at the Site. The following list is a summary of the results and conclusions regarding COCs and associated media identified by START at the Site:

Asbestos-Containing Material

Bulk Building Material Samples: Of the 191 bulk samples submitted for laboratory analysis, a total of 22 samples were determined to be “positive” (>1% asbestos) for asbestos. The following table indicates the location and estimated extents of ACM identified in the building at the Site. See Sections 5.1 and 6.1 of this report for a more detailed breakdown.

ACM	Location	Estimated Volume / Extent
Ceiling Tile	Dental Wing	2,800 sq. ft.
Fire Doors	Original Construction and East Addition	10 Doors
Floor Tile and/or Mastic	East Addition	2,250 sq. ft.
Light Insulation	Trailer Annex Bathrooms	2 sq. ft.
Mudded Fittings	Basement	6 Fittings
Pipe Insulation and Fittings	East Addition - Room 102	20 LF and 2 Fittings
Roofing Felt	Original Construction	11,700 sq. ft.

Notes:

LF = linear feet

sq. ft. = square feet

Based on the results of the ACM survey, asbestos is present in the building. ACM is considered to be a COC in relation to the Site.

Dust Wipe Samples: Of the six (6) dust wipe samples collected, results for four (4) samples had asbestos present. Asbestos dust was identified on flooring surfaces within the Original Construction and East Addition portions of the building, as well as walls in the Dental Wing. Additional wipe samples, microvac samples, and/or air samples are needed during the next phase of assessment and/or remediation of the Site. The following table summarizes sample collection locations and asbestos mineral present.

Sample ID	Location	Asbestos Mineral Present
East Addition		
CTB-WP-01	Central Hallway Intersection Floor	Chrysotile
CTB-WP-02	North Hallway Floor	Chrysotile
Dental Wing		
CTB-WP-03	North Wall	Chrysotile
Original Construction		
CTB-WP-06	Central Hallway Intersection Floor	Chrysotile

Note: Asbestos dust wipe samples were collected for informational purposes only (presence/absence) to assist with determining if asbestos fibers were present on building surfaces.

Soil Samples: Asbestos was not detected in any of the five (5) soil samples and one (1) duplicate collected adjacent to open windows surrounding the burned portion of the building. Asbestos in soil is not considered a COC in relation to the Site.

Lead-Based Paint

START reviewed the previous LBP survey data collected in 2008 (Tetra Tech, 2008) and determined no further LBP evaluation was required for the Site. It is assumed all LBP identified was removed or encapsulated based on the interim stabilization/removal recommendations. Additional LBP may also be present at the Site which was not previously identified. For the sake of this investigation, it was assumed that LBP remains on the Site and is considered a COC in relation to the Site.

Polychlorinated biphenyls, Mercury, and Mold

A summary of the observations regarding the visual inspections conducted are presented below:

- Fluorescent light fixtures or ballasts were observed at the Site without a “No PCBs” label. PCBs are considered COCs in relation to the Site.
- No mercury thermostat switches were observed at the Site. Mercury is not considered a COC in relation to the Site.
- Mold was encountered at the Site. Mold is considered a COC in relation to the Site.

SUMMARY OF RECOMMENDATIONS

Based on the results of the environmental assessment, START recommends the following:

- START recommends contracting an accredited asbestos remediation company to determine appropriate remedial actions to address the ACM at the Site during the cleanup phase of demolition. ACM must be removed before any demolition activities begin that may impact ACM rendering it friable and surfaces should be cleaned based on the wipe samples collected or the building must be demolished as ACM with the proper protective

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measures taken (e.g., dust control, air monitoring, etc.). The landfill should be contacted prior to demolition regarding the disposal requirements of the construction debris. Though certain non-friable ACM may be able to be disposed of as construction waste, construction workers need to be made aware of the ACM present and appropriate protective measures will need to be implemented.

- START recommends contracting an accredited lead remediation company to assess disposal requirements for LBP at the Site if the building is to be demolished. Dust control methods should be implemented for the debris and all work performed should be done so by an EPA Lead-Safe certified firm. It is recommended that a construction debris disposal facility be contacted to determine if Toxicity Characteristic Leaching Procedure (TCLP) samples will be required.
- The PCB ballasts should be removed and properly disposed of prior to demolition activities, as feasible.
- Mold should be controlled during demolition (e.g., dust control, ventilation, etc.).

This summary is intended to be a general description of the scope of work, results, conclusions, and recommendations identified as a result of the Phase II ESA of the Site; however, this section is not intended to be a “stand alone” document or to include the basis of all conclusions presented. The report should be read and used in its entirety. Information included in this section is subject to the scope of services and limitations noted in the original TDD and in this complete report.

1.0 INTRODUCTION

1.1 SCOPE OF WORK AND PURPOSE

WESTON START conducted a Phase II ESA for the Crow Tribal Building located at #1 Baatcheeitche Avenue in Crow Agency, MT (Site) (Figure 1). The ESA was conducted in accordance with TDD 0003/2001-02 and ASTM E1903-11 – Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. The purpose of a Phase II ESA is to acquire and evaluate information sufficient to achieve the objectives set forth in the SOO developed by the user(s) and the Phase II Assessor. The scope of a Phase II ESA is related to the activities agreed upon to meet the objectives of the investigation as defined in the SOO which are subject to ongoing evaluation and refinement as the assessment progresses. The SOO developed for this Site is presented in Section 1.2.

This Phase II ESA report contains the results of the data collection activities and associated quality assurance (QA)/quality control (QC) measures conducted specific to the Site. Information used to conduct this Phase II ESA was based upon reasonably ascertainable, visually and physically observable conditions, and included testing or sampling of materials. The structure of this report is based on the ASTM E1903-11 standard.

1.2 STATEMENT OF OBJECTIVES

The objectives were developed by the Crow Tribe of Indians (User), START (Phase II Assessor), and the EPA to obtain sound, scientifically valid data concerning actual property conditions at the Site with respect to the presence or the likely presence of target analytes/substances including, but not limited to, those within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The SOO for the Site were determined during the project scoping meeting held on January 15, 2020. The Phase II ESA objectives determined for the Site were as follows:

- Evaluate suspected contaminants that may be present in building materials at the Site (e.g., ACM and LBP);
- Assess and evaluate potential lead and/or asbestos impacts to surface soils at the Site, if exterior LBP or friable asbestos is identified on the exterior of the building;
- Conduct visual inspections to determine presence/absence of PCB-containing equipment, mercury-containing equipment, and mold;
- Develop sufficient information to render a reasonable professional opinion whether hazardous substances either are or are not present at the Site and if there has been a release or a release to the environment is likely. If present, include concentrations of hazardous substances based on field screening and/or laboratory analysis of samples;
- Gather and provide sufficient data to assist the TBA recipient in making informed decisions with regard to the future use of the property; and
- Obtain sufficient data to support conceptual remediation cost estimating, if necessary.

2.0 SUMMARY OF BACKGROUND INFORMATION

The Crow Tribe of Indians is planning on demolishing the building and redeveloping the Site. Due to the age of the structure, the presence of ACM, LBP, and other environmental hazards is possible. The stakeholders would like to determine the extent and locations of possible contaminants before moving forward with redevelopment.

2.1 PROPERTY DESCRIPTION, LOCATION, AND HISTORY

The Site is located in a residential use area at #1 Baatcheeitche Avenue in Crow Agency, MT at 45.603704°North latitude and 107.460593°West longitude. The following table lists estimated areas of the sections of the building:

Building Section	Area	Basement Area	Crawlspace Area
Dental Wing	3,000 sq. ft.	2,800 sq. ft.	Not Applicable (N/A)
East Addition	13,100 sq. ft.	3,000 sq. ft.	10,100 sq. ft.
Original Construction	11,700 sq. ft.	3,900 sq. ft.	7,800 sq. ft.
Northeast Annex	1,800 sq. ft.	N/A	N/A
Trailer Annex	700 sq. ft.	N/A	N/A

The Site footprint is approximately 1.6 acres. The Original Construction portion of the building was constructed in 1937, with the East Addition in 1963, and Dental Wing in 1974. It is unknown when the Northeast Annex and Trailer Annex were constructed (Tetra Tech, 2008). The property historically operated as an IHS Unit Hospital until being transferred to the Crow Tribe of Indians for use as the Tribal Executive office building. A fire occurred at the Site in May 2019 and consequently the building was vacated.

2.2 PREVIOUS ENVIRONMENTAL REPORTS AND RECORDS

Previous environmental reports and/or records, if available, were obtained by START from various sources, including local agencies, and reviewed for information relating to the Site. A summary of records obtained is provided in the following table.

Document Reviewed	Description
Document: TBA Application Prepared for: EPA Prepared by: Crow Tribe of Indians Date: January 2020 Report Source: EPA	Document Summary: The application gives brief summaries of site background information and environmental conditions at the subject property (including potential contaminants). The application also provides contact names(s) and phone numbers for stakeholders, and potential redevelopment foundation. Information Relating to the Subject Property: The building at the Site was an IHS hospital for 50 years until being traded to the Tribe and utilized as the Tribal Executive office building. Prior to the transfer, an asbestos assessment and removal was performed. LBP is also known to be present. The building caught fire in May of 2019 which caused the roof to collapse. There has also been flooding of the basement in the past. It is suspected that asbestos is present in the building and has been released to the environment.

Document Reviewed	Description
<p>Document: Report of Supplemental Asbestos and Lead-Based Paint Inspection Former IHS Unit Hospital Crow Agency, MT</p> <p>Prepared for: IHS</p> <p>Prepared by: Tetra Tech</p> <p>Date: March 2008</p> <p>Report Source: IHS</p>	<p>Document Summary: This report provides the results of an ACM and LBP survey of the building at the Site and recommendations to remediate all ACM and LBP prior to transfer of the building.</p> <p>Information Relating to the Subject Property: ACM and LBP were identified throughout the building. START confirmed that all ACM identified on the figures provided by Tetra Tech, which were used in the remediation bid, was abated. It is assumed all LBP identified was removed or encapsulated based on the interim stabilization/removal recommendation figures provided in the report. Additional LBP may also be present at the Site which was not previously identified. These figures are provided in Appendix C. Data gap ACM samples were collected as part of this Phase II ESA of materials previously not sampled and to confirm ACM abatement work when visual inspection was inconclusive.</p>

3.0 DESCRIPTION OF WORK PERFORMED AND RATIONALE

This section summarizes the work performed and rationale for the work conducted to meet the SOO developed for the investigation as documented in the approved Sampling and Analysis Plan (SAP) for the Site (WESTON, 2020). Deviations from the approved SAP for this Phase II ESA are presented in Section 3.3.

Based upon the SOO developed for the Site, a building inspection, wipe sampling, and soil sampling was conducted as part of this Phase II ESA. The investigation included visual inspection, field screening, and/or sample collection for laboratory analysis. Details of the individual media investigations along with rationale are presented below. Photographs of field activities are included in the Photograph Log presented in Appendix A, the analytical laboratory results are included in Appendix B, and any supplemental information is included in Appendix C. The Phase II fieldwork was conducted on February 13, 14, and 16, 2020.

3.1 ASBESTOS-CONTAINING MATERIAL

3.1.1 Bulk Building Material Samples

This Phase II ESA involved an ACM survey, including the collection of bulk asbestos samples in order to establish the extent and presence of ACM. The survey was conducted by Montana Accredited Asbestos Building Inspectors Mr. Michael Cherny and Mr. Garret Hugel. Visual inspections were conducted on areas of the structures where an individual performing demolition or renovation operations may encounter regulated asbestos-containing material (RACM). Sample locations and the total number of samples were based on Asbestos Hazard Emergency Response Act (AHERA) standards (EPA, 2017), the Administrative Rules of Montana (MT DEQ, 2011), and/or the best professional judgment of the inspector. Each potential RACM location was touched to determine if it was friable. Bulk samples were collected of all suspect friable and non-friable RACM and submitted to an asbestos-certified laboratory for analysis.

3.1.2 Dust Wipe Samples

Due to the fire that occurred, this Phase II ESA included the collection of dust wipe samples to help aid in determining if asbestos fibers have migrated throughout the building. Sample locations were based on the best professional judgment of the inspectors. Dust wipe samples collected were submitted to an asbestos-certified laboratory for analysis.

3.1.3 Soil Samples

Five (5) locations for composite and biased surface soil sampling were identified as areas where contamination was likely to be present (i.e., areas of adjacent to open windows of the burned portion of the building). Soils were collected from the depth of 0–6 inches (in.) below ground surface (bgs) from each location (CTB-C-SO01 through CTB-C-SO02). Soil samples collected were submitted to an asbestos-certified laboratory for analysis.

3.2 LEAD-BASED PAINT

START reviewed the previous LBP survey data collected in 2008 (Tetra Tech, 2008) and determined no further LBP evaluation was needed at the Site.

3.3 VISUAL INSPECTIONS

Due to the presumed age of the building, visual inspections were conducted for PCB ballasts, mercury thermostats, and mold. The visual inspection included presence/non-presence determination of the hazards. Quantity and location information was documented, where possible, but no samples were collected.

3.4 DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

Due to the ongoing evaluation and refinement of the SOO, changes can occur to the approved SAP based upon site conditions encountered. The following deviations from the approved SAP were identified during this Phase II ESA.

- Soil samples were collected as composite samples rather than grab samples since no friable asbestos was observed on the ground surface but was present inside the building with potential for migration.
- Wipe samples for asbestos were collected at the professional judgement of the inspectors.
- An LBP survey was not performed since the prior investigation identified LBP which was subsequently remediated by IHS prior to transfer of the building to the Crow Tribe of Indians.

4.0 DESCRIPTION OF METHODS USED

4.1 ASBESTOS-CONTAINING MATERIAL

4.1.1 Bulk Building Material Samples

Asbestos Bulk Sampling

Personnel performing the sampling wore personal protective equipment appropriate to the hazard(s) presented and included gloves, Tyvek, booties, hard hats, and/or high-efficiency particulate air respiratory protection. Asbestos bulk samples were randomly collected using the grid system described in the EPA publication “Asbestos in Buildings – Simplified Sampling Scheme for Friable Surfacing Materials” (EPA, 1985). Where appropriate, samples were collected from areas of the building material already damaged or disturbed. The following general sampling guidelines were followed during the inspection, as applicable:

- In areas where homogeneous suspected RACM (surfacing) was less than 1,000 sq. ft., three randomly collected bulk samples were collected from each area;
- In areas where homogeneous suspected RACM (surfacing) was at least 1,000 sq. ft. but less than 5,000 sq. ft., five randomly collected bulk samples were collected from each area;
- In areas where homogeneous suspect RACM (surfacing) was at least 5,000 sq. ft., seven randomly selected bulk samples were collected from each area;
- At least three samples were collected from thermal systems insulations;
- Three random bulk samples will be collected from all mechanical system insulation and fittings, such as tees, elbows, and valves, that are not assumed to be ACM;
- Three random bulk samples will be collected from each type of miscellaneous material that is not assumed to be ACM; and
- Three random bulk samples will be collected from any type of non-friable suspected ACM that is not assumed to be ACM.

QA/QC Samples

No QA/QC activities or sample types were required based upon the assessment techniques and sample collection methods.

Laboratory Analytical Methods

Samples collected were sent to Reservoirs Environmental Inc. in Denver, Colorado for polarized light microscopy (PLM) analysis by EPA Method 600/R-93/116 to determine a visual estimation of asbestos content and, if applicable, EPA Method 600/R-93/116 (400 Point Count).

4.1.2 Dust Wipe Samples

Asbestos Dust Wipe Sampling

Dust wipe samples were collected using a pre-moistened ghost wipe within a 100-square centimeter (cm²) area. The sample was collected: first, by using a side to side wiping technique. After the first pass, the wipe was rotated 180° and the surface was wiped in the reverse direction.

Then, the wipe was folded and a top to bottom wiping method was used. The wipe was then folded once more, and the perimeter was wiped with a clean side. Finally, the wipe was folded again and placed into the provided sample container. The wipe samples were labeled and stored until shipment for laboratory analysis accompanied by chain-of-custody documentation.

QA/QC Activities

The following QA/QC activities were conducted as part of this investigation:

- One media blank wipe (CTB-BLNK) was submitted to the laboratory. No asbestos minerals were detected on the blank sample.

Laboratory Analytical Methods

Samples collected were sent to Reservoirs Environmental Inc. in Denver, Colorado for Transmission Electron Microscopy (TEM) analysis by Method ASTM D-6480 (Wipe) TEM to determine the “Presence/Absence” of asbestos fibers.

4.1.3 Soil Samples

Sample Collection for Laboratory Analysis

5-point composite soil samples and a duplicate were collected from 0–6 in. bgs aliquots adjacent to open windows on the fire damaged portion of the building. Aliquots were collected using a dedicated disposable plastic scoop and soil collected was placed into a plastic bag. After the five (5) aliquots from were gathered, the soil was homogenized. Disposable gloves were used during sample collection procedures. The soil samples were labeled and stored until shipment for laboratory analysis accompanied by chain-of-custody documentation.

QA/QC Activities

The following QA/QC activities were conducted as part of this investigation:

- Sample Duplicates – One (1) field duplicate sample (CTB-C-SO91, duplicate of CTB-C-SO01) was collected and submitted for laboratory analysis.

No asbestos was present in either sample. Results of the duplicate sample collected is presented in Table 4.

Laboratory Analytical Methods

Samples collected were sent to Reservoirs Environmental Inc. in Denver, Colorado for PLM analysis by EPA Method 600/R-93/116 to determine a visual estimation of asbestos content.

4.2 VISUAL INSPECTIONS

Visual inspections were conducted for presence/non-presence of PCB ballasts, mercury thermostats, and mold. Suspect hazards encountered, if any, were documented in field notes and/or photographed.

5.0 PRESENTATION OF INFORMATION AND DATA ACQUIRED

5.1 ASBESTOS-CONTAINING MATERIAL

5.1.1 Bulk Building Material Samples

A total of 191 bulk samples were collected from the building at the Site and submitted for PLM analysis. The following number of samples were collected for each bulk material; the laboratory results are summarized in Tables 1 and 2.

Building Section	Bulk Material	Number of Samples Collected
Basement	Boiler Gasket	3
	Boiler Insulation	3
	Duct Insulation	3
	Mudded Fitting	3
	Stair Tread	3
	Vibration Dampener	3
	Window Glazing	3
Dental Wing	Brick and Mortar	3
	Carpet	3
	Caulk	3
	Ceiling Tile	3
	Concrete Foundation	3
	Drywall Texture	7
	Fiberglass Insulation	3
	Joint Compound	3
East Addition	Carpet	3
	Caulk	3
	Ceiling Tile	3
	Drywall Texture	3
	Fiberglass Insulation	9
	Fire Door	3
	Floor Tile	6
	Joint Compound	3
	Laminate Flooring	3
	Mastic	6

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Building Section	Bulk Material	Number of Samples Collected
Northeast Annex	Carpet	6
	Caulk	3
	Cove Base	6
	Duct Insulation	3
	Fiberglass Insulation	3
	Floor Tile	3
	Leveling Compound	3
	Mastic	9
	Styrofoam	3
Original Construction	Chimney Flue	3
	Chimney Material	3
	Debris	3
	Fire Brick and Mortar	3
	Fire Door	3
	Plaster	7
	Roofing Felt	3
	Roofing material	3
	Terrazzo	3
Trailer Annex	Carpet	9
	Caulk	3
	Ceiling Tile	3
	Fiberglass Insulation	6
	Floor Tile	6
	Light Insulation	3

The following items of note were observed during the ACM survey:

- The extent of the fire damage is primarily in the Original Construction portion of the building; however, smoke damage protrudes into adjacent sections. No fire damage was observed in the basement; however, water related damage is present.
- Office equipment including desks, chairs, copiers, and files were observed in the unburned portions of the building.
- Two (2) steam boiler units, a forced air furnace, two (2) air compressors, and a backup generator were present in the basement.

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- Operations for salvaging for copper and other materials is actively being performed inside the building. All doors are open to the building to allow access for such activities.
- ACM identified in the previous report has been removed. Upon visual inspection of the Site, select areas of 9”×9” floor tiles in the East Addition and fire doors in the Original Construction and East Addition were not previously identified and are still present.

5.1.2 Dust Wipe Samples

Six (6) dust wipe samples and one (1) blank were collected and submitted for TEM analysis. The following table indicates the number of samples collected from each area of the building:

Area of Building	Number of Samples
Dental Wing	2
East Addition	2
Original Construction	1
Trailer Annex	1

5.1.3 Soil Samples

Composite surface soil samples were collected from five (5) locations during the investigation to assess potential impacts present in localized areas identified at the Site. The following table presents sample information acquired while collecting composite surface soil samples.

Location	Samples Collected	Sample Depth (in. bgs)
Southwest corner	Composite Surface Soil: CTB-C-SO01	0–6
	QA/QC Duplicate: CTB-C-SO91	
South entrance	Composite Surface Soil: CTB-C-SO02	0–6
Southeast area between Original Construction and East Addition	Composite Surface Soil: CTB-C-SO03	0–6
Central area between Original Construction, Trailer Annex, and Dental Wing	Composite Surface Soil: CTB-C-SO04	0–6
West lawn area	Composite Surface Soil: CTB-C-SO05	0 – 6

The following items of note were observed when collecting discrete surface soil samples:

- No friable suspect ACM was observed on the soils surrounding the building.

5.2 POLYCHLORINATED BIPHENYLS, MERCURY, AND MOLD

The following observations were made during the visual inspections:

- Fluorescent light fixtures or ballasts were observed throughout the building at the Site.
- No mercury thermostat switches were observed at the Site.
- Mold was encountered throughout the Site, but primarily in the basement.

6.0 EVALUATION AND INTERPRETATION OF INFORMATION, DATA, AND RESULTS

The evaluation and interpretation of the information, data, and results for the Phase II ESA are presented below. This section summarizes the field screening data and laboratory results obtained to identify the location and extent of contamination. Benchmarks used for comparison are listed below:

ACM

- **Asbestos-Containing Materials in Schools Rule (40 Code of Federal Regulations Part 763, Subpart E).** ACM is defined as any material containing more than one percent (1%) asbestos.
- **Administrative Rules of Montana (ARM) Asbestos Control (Title 17 Environmental Quality, Chapter 74 Noise, Asbestos Control, Methamphetamine Cleanup, Subchapter 3, Rule 354) (ARM, 2011).**

The locations of samples and/or extent of hazardous building materials exceeding benchmarks are depicted on Figures 3 through 5. Field readings and laboratory results for the samples collected are summarized in Tables 1 through 4. Photographs of the field activities conducted are presented in Appendix A. Copies of the laboratory reports are presented in Appendix B. Copies of the field sample location maps are presented in Appendix C.

6.1 ASBESTOS-CONTAINING MATERIAL

6.1.1 Bulk Building Material Samples

Of the 191 bulk samples submitted for laboratory analysis, 22 samples were reported as “positive” (>1% asbestos) for asbestos. Asbestos results ranged from 5% to 75% total asbestos. No samples were reanalyzed by point count analysis. In all, 22 confirmed ACM samples were collected at the Site. The following table indicates the type, condition, and number of samples identified as ACM.

Identified ACM	Condition	Number of ACM Samples
Ceiling Tile	Friable	3
Fire Doors	Friable	6
Floor Tile and/or Mastic	Non-friable	6
Light Insulation	Friable	3
Mudded Fittings	Friable	1
Pipe Insulation and Fittings	Friable	Assumed
Roofing Felt	Friable	3

ACM sample collection locations and approximate extent of ACM are presented in Figures 3 and 4. The confirmed ACM sample(s), the asbestos-containing layer(s), and the estimated volume of

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ACM are presented in Table 1. A list of the samples collected that were reported as non-detect for asbestos is presented in Table 2.

Interpretation of Results

The following materials were confirmed or assumed to be ACM:

- 2'×4' ceiling tiles throughout the Dental Wing and associated debris from salvaging operations.
- All fire doors in the building. Due to the structural instability of the building, the number of doors was estimated, and additional doors could be present.
- Residual 9"×9" floor tiles observed in two (2) closets in the East Addition and associated black mastic. Black mastic was found below laminate flooring in select rooms of the East Addition and is assumed to be present below all laminate flooring of the same type.
- Light fixture insulation in the bathrooms of the Trailer Annex.
- All mudded fittings in the basement.
- Johns Manville Air Cell pipe insulation and associated mudded fittings were observed in room 102 of the East Addition. Although no other suspect pipe insulation or fittings were observed or previously identified, additional pipe insulation may be present in wall cavities or above plaster ceilings which were inaccessible during the time of inspection.
- Roofing felt collected from the Original Construction which has been fire damaged and likely has fallen into the footprint of the burned portion of the building.

ACM is considered a COC in relation to the Site. The following table indicates estimated extent and location of ACM identified by START to be present in the building.

ACM	Location	Estimated Volume / Extent
Ceiling Tile	Dental Wing	2,800 sq. ft.
Fire Doors	Original Construction and East Addition	10 Doors
Floor Tile and/or Mastic	East Addition	2,250 sq. ft.
Light Insulation	Trailer Annex Bathrooms	2 sq. ft.
Mudded Fittings	Basement	6 Fittings
Pipe Insulation and Fittings	East Addition - Room 102	20 LF and 2 Fittings
Roofing Felt	Original Construction	11,700 sq. ft.

Notes:

LF = linear feet

sq. ft. = square feet

6.1.2 Dust Wipe Samples

Of the six (6) dust wipe samples collected, asbestos was detected in four (4) samples. The following table summarizes sample collection locations and the asbestos mineral present.

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Sample ID	Location	Asbestos Mineral Present
East Addition		
CTB-WP-01	Central Hallway Intersection Floor	Chrysotile
CTB-WP-02	North Hallway Floor	Chrysotile
Dental Wing		
CTB-WP-03	North Wall	Chrysotile
Original Construction		
CTB-WP-06	Central Hallway Intersection Floor	Chrysotile

Asbestos dust wipe sample collection locations are presented on Figure 5. A summary of the analytical results is presented in Table 3.

Interpretation of Results

Asbestos dust was identified on flooring surfaces throughout the Original Construction and East Addition, as well as wall surfaces in the Dental Wing. The source of the asbestos fibers is not definitively known, but when evaluating friable ACM present at the Site, it is likely sourced from the fire damaged roofing felt (containing chrysotile) and indicates migration of fibers throughout the building. Ceiling tiles in the Dental Wing were composed of amosite and not chrysotile so this detection is likely sourced from the roofing felt as well since no other chrysotile sources were identified in that portion of the building. However, sample CTB-WP-04, collected from the south hallway entrance to the Dental Wing did not detect asbestos. Since dust wipe samples were analyzed for presence/absence of asbestos only, the total number of asbestos structures present on the wipes is not known.

Additional wipe samples, microvac samples, and/or air samples are needed during the next phase of assessment and/or remediation of the Site. The presence of asbestos dust indicates building surfaces may need to be cleaned by an asbestos remediation contractor prior to demolition. In addition, samples from the surface of items stored in the building may be needed prior to removal as they could require decontamination prior to disposal or disposed of as asbestos waste.

Note: Asbestos dust wipe samples were collected for informational purposes only (presence/absence) to assist with determining if asbestos fibers were present on building surfaces.

6.1.3 Soil Samples

Asbestos was not detected in any of the six (6), including one (1) duplicate, soil samples collected for asbestos analysis. Soil sample collection locations are presented on Figure 2. A summary of the analytical results is presented in Table 4.

Interpretation of Results

Based on the soil sampling conducted, asbestos has not migrated outside of the building. Asbestos in soil is not considered a COC in relation to the Site.

6.2 POLYCHLORINATED BIPHENYLS, MERCURY, AND MOLD

The following additional items were noted:

- Fluorescent lighting fixtures or ballasts were observed at the Site missing a “No PCBs” label.
- No mercury-containing thermostats were observed at the Site.
- Mold was encountered at the Site.

Interpretation of Results

- Based on the visual inspection, PCBs are considered a COC in relation to the Site.
- Based on the visual inspection, mercury is not considered a COC in relation to the Site.
- Based on the visual inspection, mold is considered a COC in relation to the Site.

6.3 CONCEPTUAL SITE MODEL

Per ASTM E1903-11 (Section 6.4.6), validation of the conceptual site model is conducted by evaluating testing results and other investigation findings to determine whether available information is sufficient to support sound conclusions regarding the presence of the target analytes. The presence of the target analytes investigated as part of this Phase II ESA along with the current exposure pathways, as applicable, for the Site is presented in the following table.

Target Analytes	Media	Contaminants Present Above Screening Benchmarks	Exposure Pathway	Exposure Route	Human Receptors	
					Residential	Workers
ACM	Building Materials and Dust	Yes	Potentially Complete	Dermal	--	X
				Ingestion	--	X
				Inhalation	--	X
ACM	Soil	No	Incomplete	Dermal	--	--
				Ingestion	--	--
				Inhalation	--	--
LBP	Building Materials	Yes	Potentially Complete	Dermal	--	X
				Ingestion	--	X
				Inhalation	--	X
Mercury, PCBs, and Mold	Building Materials	Yes (PCBs and Mold)	Potentially Complete	Dermal	--	X
				Ingestion	--	X
				Inhalation	--	X
Notes: -- = Receptor not at risk (Currently) X = Receptor at risk to exposure (Currently or Potentially)						

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Target Analytes	Media	Contaminants Present Above Screening Benchmarks	Exposure Pathway	Exposure Route	Human Receptors	
					Residential	Workers
Comments: Evaluation of exposure pathway completeness is based upon the existing use of the Site as vacant with potential for workers to access the Site during future assessment/redevelopment or salvage operations. If a change in current use occurs, exposure pathways should be re-assessed as they may alter the pathway completeness presented in this report and require further evaluation prior to conducting any activities or change in use at the sites.						

6.4 DISCLOSURE OF AVAILABLE DATA INSUFFICIENT TO MEET OBJECTIVES

Per ASTM E1903-11 (Section 1.3.2), all Phase II ESA reports must disclose any respect in which available data are insufficient to meet the objectives of the assessment. Listed below are the disclosures in which the available data set for this investigation were insufficient to meet the objectives of this Phase II ESA, if any.

- All objectives of the Phase II ESA were met using the available data.

7.0 CONCLUSIONS OF THE PHASE II ESA

START performed a Phase II ESA in conformance with the scope and limitations of ASTM Practice E1903-11 for the Crow Tribal Building located at #1 Baatcheeitche Avenue in Crow Agency, MT. The following list is a summary of the conclusions regarding COCs and associated media identified by START at the Site:

Asbestos-Containing Material

- **Bulk Building Material Samples:** Based on the results of the ACM survey, asbestos is present in the building. ACM is considered to be a COC in relation to the Site.
- **Dust Wipe Samples:** Based on the results of the dust wipe sampling, asbestos is present in dust throughout the building. Asbestos in dust is considered to be a COC in relation to the Site.
- **Soil Samples:** Based on the results of the soil sampling, asbestos is not present in soils adjacent to the burned portion of the building. Asbestos in soil is not considered to be a COC in relation to the Site.

Lead-Based Paint

- It is assumed all LBP identified was removed or encapsulated based on the interim stabilization/removal recommendations. Additional LBP may be present at the Site which was not previously identified. For the sake of this investigation, it was assumed that LBP remains on the Site and is considered a COC in relation to the Site.

PCBs, Mercury, and Mold

A summary of the observations regarding the visual inspections conducted are presented below:

- Fluorescent light fixtures or ballasts were observed at the Site without a “No PCBs” label. PCBs are considered COCs in relation to the Site.
- No mercury thermostat switches were observed at the Site. Mercury is not considered a COC in relation to the Site.
- Mold was encountered at the Site. Mold is considered a COC in relation to the Site.

RECOMMENDATIONS

Based on the results of the environmental assessment, START recommends the following:

- START recommends contracting an accredited asbestos remediation company to determine appropriate remedial actions to address the ACM at the Site during the cleanup phase of demolition. ACM must be removed before any demolition activities begin that may impact ACM rendering it friable and surfaces should be cleaned based on the wipe samples collected or the building must be demolished as ACM with the proper protective measures taken (e.g., dust control, air monitoring, etc.). The landfill should be contacted prior to demolition regarding the disposal requirements of the construction debris. Though certain non-friable ACM may be able to be disposed of as construction waste, construction workers need to be made aware of the ACM present and appropriate protective measures will need to be implemented.

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- START recommends contracting an accredited lead remediation company to assess disposal requirements for LBP at the Site if the building is to be demolished. Dust control methods should be implemented for the debris and all work performed should be done so by an EPA Lead-Safe certified firm. It is recommended that a construction debris disposal facility be contacted to determine if TCLP samples will be required.
- The PCB ballasts should be removed and properly disposed of prior to demolition activities, as feasible.
- Mold should be controlled during demolition (e.g., dust control, ventilation, etc.).

8.0 SIGNATURE OF PHASE II ASSESSOR AND SEAL

This Phase II ESA was completed by the following START personnel and subcontractor(s), if applicable. Qualifications are provided at the end of the report:

- Ms. Tana Jones, PMP – Project Team Lead and Environmental Professional;
- Mr. Garret Hugel, Scientist – MT Asbestos Inspector and EPA LBP Inspector; and
- Mr. Michael Cherny, Scientist – MT Asbestos Inspector and EPA LBP Inspector.

Ms. Tana Jones has undertaken the role of Phase II Assessor for this assessment. The following is the certification statement as defined in ASTM Practice E1903-11 (Section 9.2.1):

We have performed a Phase II ESA at the Crow Tribal Building located at #1 Baatcheeitche Avenue in Crow Agency, MT in conformance with the scope and limitations of ASTM Practice E1903-11 and for the following objectives:

- *Evaluate suspected contaminants that may be present in building materials at the Site (e.g., ACM and LBP);*
- *Assess and evaluate potential lead and/or asbestos impacts to surface soils at the Site, if exterior LBP or friable asbestos is identified on the exterior of the building;*
- *Conduct visual inspections to determine presence/absence of PCB-containing equipment, mercury-containing equipment, and mold;*
- *Develop sufficient information to render a reasonable professional opinion whether hazardous substances either are or are not present at the Site and if there has been a release or a release to the environment is likely. If present, include concentrations of hazardous substances based on field screening and/or laboratory analysis of samples;*
- *Gather and provide sufficient data to assist the TBA recipient in making informed decisions with regard to the future use of the property; and*
- *Obtain sufficient data to support conceptual remediation cost estimating, if necessary.*

Tana Jones, PMP

Certifying Environmental Professional (Print)

Project Team Lead

Title



Signature

4/3/2020

Date

0003/2001-02

9.0 SPECIFICATIONS FOR ASTM E1903-11 REPORT USE AND RELIANCE

9.1 SPECIAL TERMS AND CONDITIONS

This document has been prepared by the WESTON START-IV team as tasked by the EPA solely for the use and benefit of the EPA and Crow Tribe of Indians. Any use of this document or information herein by persons or entities other than the EPA or Crow Tribe of Indians, without the express written consent of START, will be at the sole risk and liability of said person or entity. START will not be liable to the EPA, Crow Tribe of Indians, or such persons or entities, for any damages resulting therefrom. It is understood that this document may not include all information pertaining to the described site.

9.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

ASTM E1903-11 (Section 4.2.1) acknowledges that “No Phase II ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty”. ASTM E1903-11 (Section 4.2.1.2) acknowledges that “The effectiveness of a Phase II ESA may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and Phase II Assessor to obtain such information in accordance with 5.1.3”. Furthermore, the ASTM E1903-11 (Section 4.2.2) states “Phase II ESAs do not generally require an exhaustive assessment of environmental conditions on a property. There is a point at which the cost of information obtained and the time required to obtain it outweigh the benefit of the information and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment”.

9.3 DISCLAIMERS

START has performed this Phase II ESA in general conformance with the scope and limitations of ASTM E1903-11 standards and TDD 0003/2001-02. The Phase II ESA findings and conclusions presented herein are professional opinions based solely on data collected during the assessment and/or interpretation of information and past data provided for review. The information and data collected from the Site by START is based on the conditions existing on the date(s) of START’s assessment activities at the property. START does not warrant or guarantee information obtained from third parties used for this assessment are correct, complete, and/or current.

Though START did collect samples and/or perform testing during this assessment, it is possible that past contamination remains undiscovered or that property conditions will change in the future.

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START does not warrant or guarantee the property suitable for any particular purpose or certify the property as “clean.”

ASTM E1903-11 (Section 1.5) states “This practice is not intended to supersede applicable requirements imposed by regulatory authorities. This practice does not attempt to define a legal standard of care either for the performance of professional services with respect to matters within its scope, or for the performance of any individual *Phase II Environmental Site Assessment*”.

Information, limitations, and disclaimers provided in this general section apply to all of the sections included in this report.

10.0 REFERENCES

Administrative Rules of Montana (ARM), 2017. Title 17 Environmental Quality, Chapter 74 Noise, Asbestos Control, Methamphetamine Cleanup, Subchapter 3, Rule 354. December 31, 2011.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ARM, 2011	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

ASTM International (ASTM), 2011. E1903-11, *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*. West Conshohocken, Pennsylvania.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ASTM, 2011	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, 2020. *Technical Direction Document (TDD) 0003/2001-02*.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2020	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, 2017. AHERA and Asbestos-Containing Materials in Schools Rule. 40 Code of Federal Regulations Part 763, Subpart E. July 1, 2017. Available at:

<https://www.gpo.gov/fdsys/browse/collectionCfr.action?collectionCode=CFR&searchPath=Title+40%2FChapter+I%2FSubchapter+R%2FPart+763%2FSubpart+E&oldPath=Title+40%2FChapter+I%2FSubchapter+R%2FPart+763&isCollapsed=true&selectedYearFrom=2017&ycord=1845>

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2017	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, October 1985. EPA's "Pink Book", *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials*. (EPA 560/5-85-030a).

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 1985	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

MT DEQ, 2011. *Administrative Rules of Montana Chapter 74 Subchapter 3 Asbestos Control*. December 31, 2011.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
MT DEQ, 2011	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

Tetra Tech, 2008. *Supplemental Asbestos and Lead-Based Paint Inspection Former Indian Health Services Unit Hospital Crow Agency, Montana*. March 24, 2008.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
Tetra Tech, 2008	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WESTON, 2020. *Sampling and Analysis Plan Crow Tribal Building #1 Baatcheeitche Avenue Crow Agency, Big Horn County, Montana Targeted Brownfields Assessment*. January 2020.

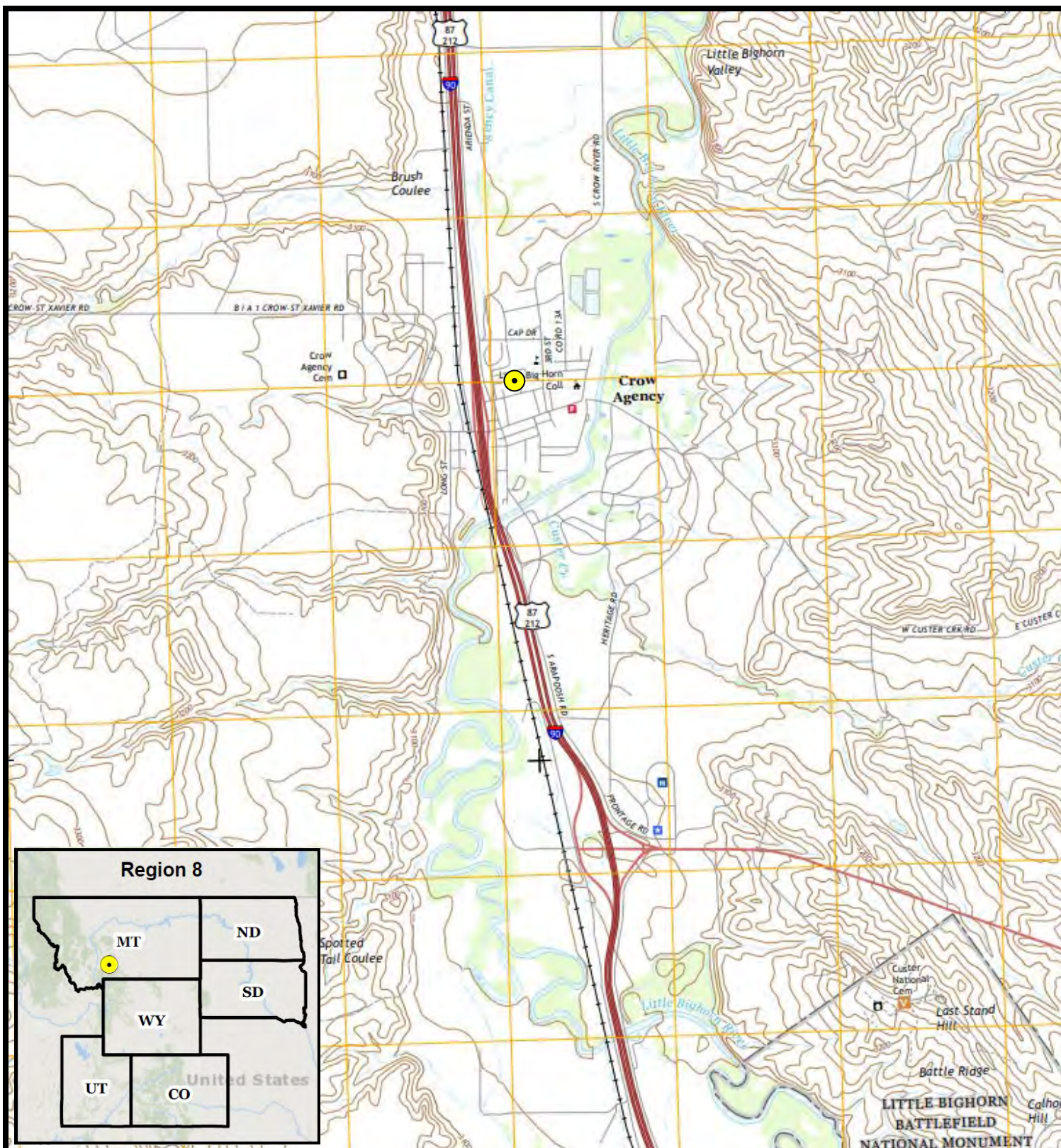
Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WESTON, 2020	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

11.0 QUALIFICATIONS

START utilized qualified, professional staff, trained in performing the scope of work required for this Phase II ESA. The START team personnel included a project manager and technical specialist(s). Their roles are described in more detail as follows:

- Project Team Lead and Environmental Professional – Ms. Tana Jones, PMP, is a senior environmental professional with 20 years of environmental project experience ranging from development and implementation of site investigation plans, analysis of soil, sediment, groundwater, and surface water data, evaluation of remediation options, and conducting Phase I and II ESAs, Preliminary Assessment / Site Inspection, and Remedial Investigation / Feasibility Studies. She is experienced in projects involving initial site assessment, soil, sediment, surface water, and groundwater investigations, remedial action/corrective action plans, risk assessment, closure plan development, and agency negotiation.
- Scientist – Mr. Garret Hugel has 6+ years of project experience conducting Phase I/II ESAs, PCAs and environmental remediation, as well as collecting soil, groundwater, surface water, and air samples. His experience includes conducting site assessments, removals, and technical report documentation. Mr. Hugel is a certified asbestos and LBP inspector in Colorado and EPA administered states.
- Scientist – Mr. Michael Cherny has 7+ years of project experience collecting soil, groundwater, surface water, and air samples, and conducting air monitoring. His experience includes conducting site assessments, removals, technical report documentation, and field instrument proficiency. Mr. Cherny is a certified asbestos and LBP inspector in Colorado, Montana, and EPA Region 8 administered states.

FIGURES



Legend

- Site Location

0 1,000 2,000 feet



Prepared for:
U.S. EPA Region 8



Contract No.:
EP-S8-13-01

TDD:
2001-02

TO:
0003



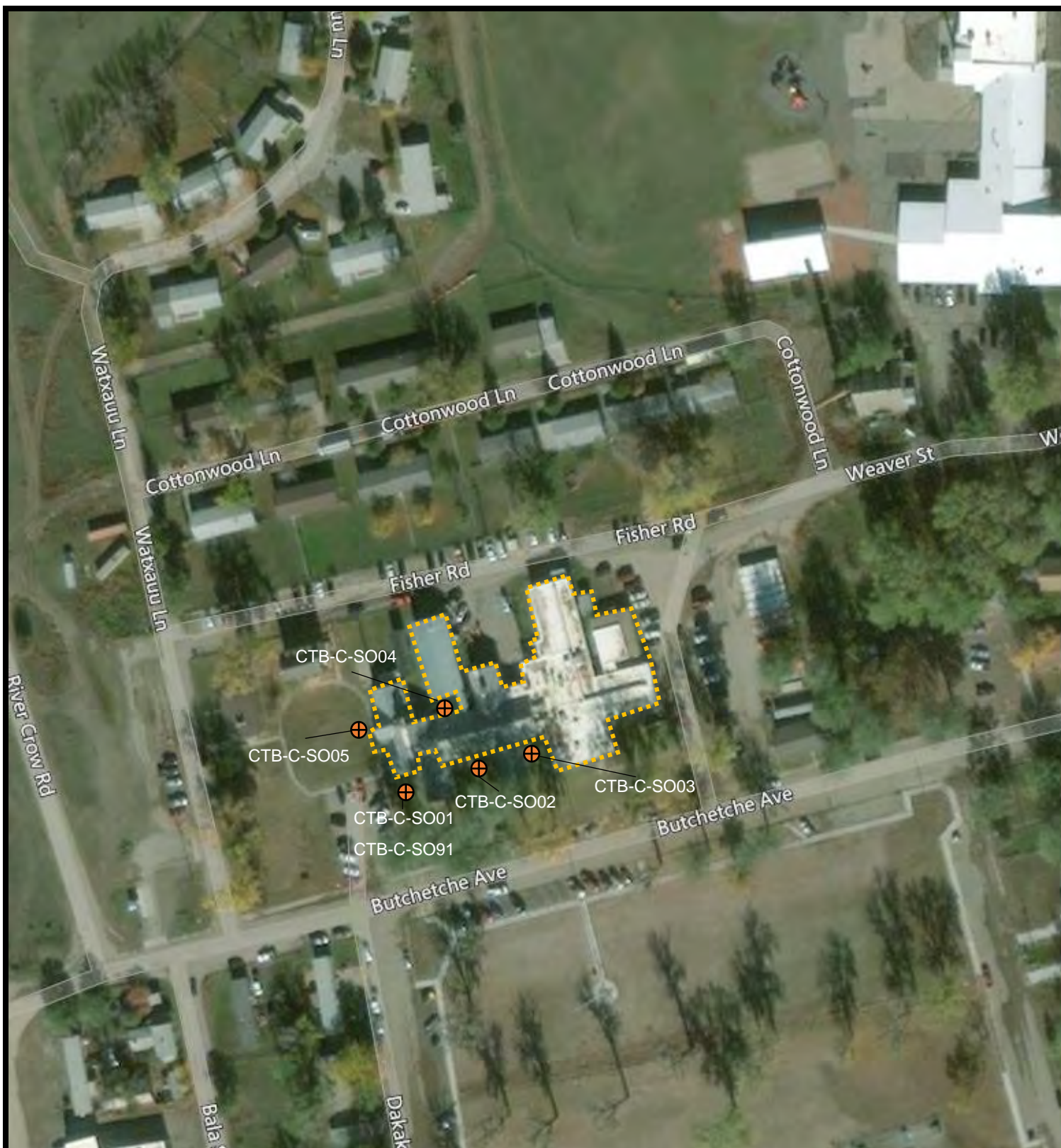
Prepared By:
Weston Solutions, Inc
START IV

Suite 100
1435 Garrison Street
Lakewood, CO 80215

FIGURE 1 SITE LOCATION MAP

#1 BAATCHEEITCHE
AVENUE, CROW AGENCY,
BIG HORN COUNTY,
MONTANA

DATE: 1/25/2020



Legend



Hazardous Building Material
Sample Boundary



Soil Sample Locations

0 75 150 feet



Prepared for:
U.S. EPA Region 8

Contract No.:
EP-S8-13-01

TDD:
2001-02

TO:
0003



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Weston Solutions, Inc
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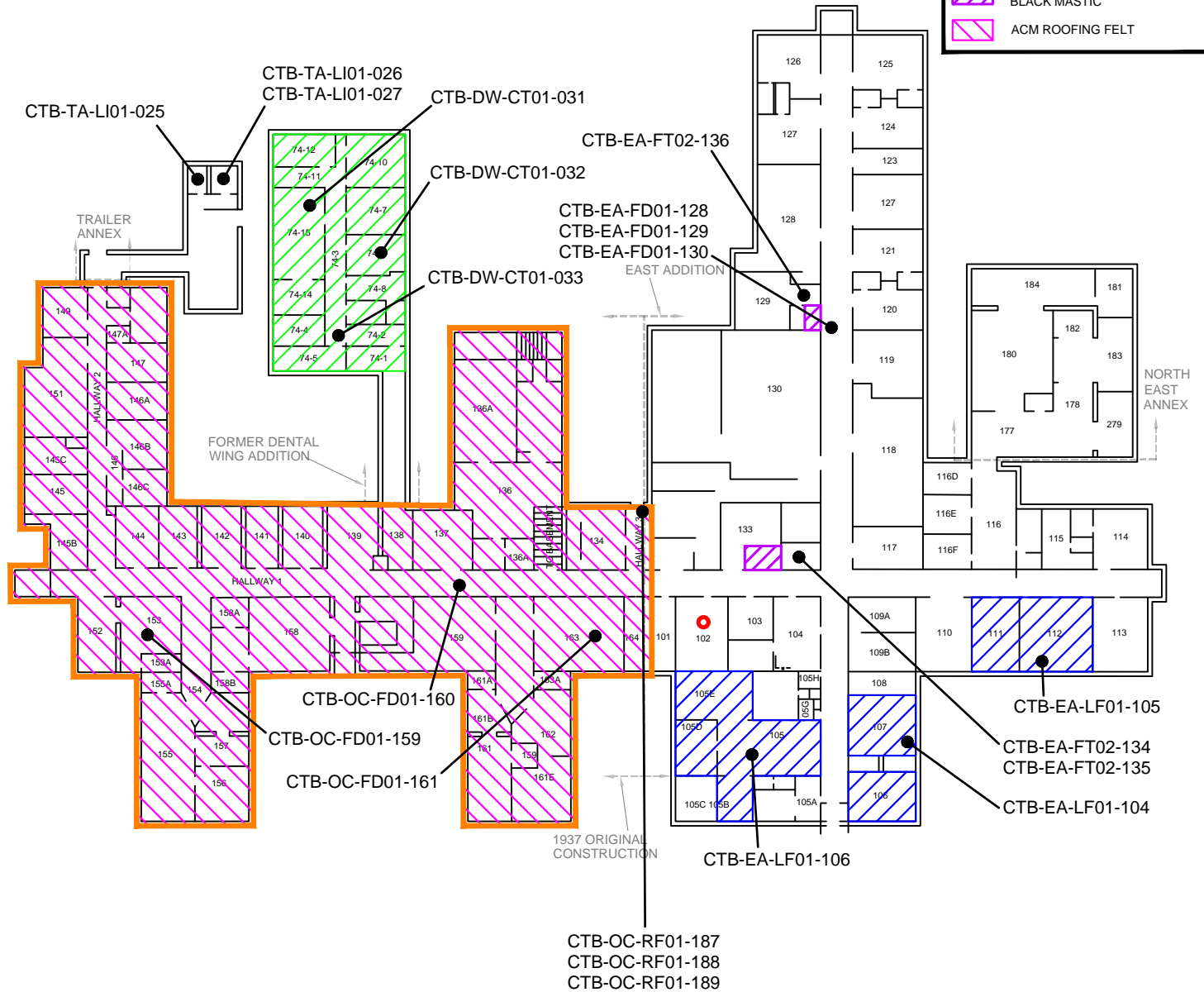
FIGURE 2
SITE VICINITY,
INVESTIGATION
BOUNDARY, AND SAMPLE
LOCATION MAP

#1 BAATCHEEITCHE
AVENUE, CROW AGENCY,
BIG HORN COUNTY,
MONTANA

DATE: 4/2/2020

LEGEND:

- ACM ASBESTOS CONTAINING MATERIAL
- ACM SAMPLE LOCATION (APPROXIMATE)
- ACM PIPE INSULATION AND MUDDIED FITTINGS
- ACM CEILING TILES
- ACM BLACK MASTIC UNDER LAMINATE
- ACM 9"x9" FLOOR TILE AND BLACK MASTIC
- ACM ROOFING FELT



Contract No.:
EP-S8-13-01
TDD:
0003-2002-02



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ACM Sample Location and Extents Map
First Floor
Crow Tribal Building
#1 Baatcheeitche Avenue
Crow Agency, Big Horn County, MT

DATE:
3/6/20
SCALE:
N.T.S.

Figure
3

LEGEND:

- ACM ASBESTOS CONTAINING MATERIAL
- ACM MUDDED FITTINGS
- ACM SAMPLE LOCATION (APPROXIMATE)



Contract No.:
EP-S8-13-01
TDD:
0003-2001-02



Prepared By:
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Lakewood, CO 80215

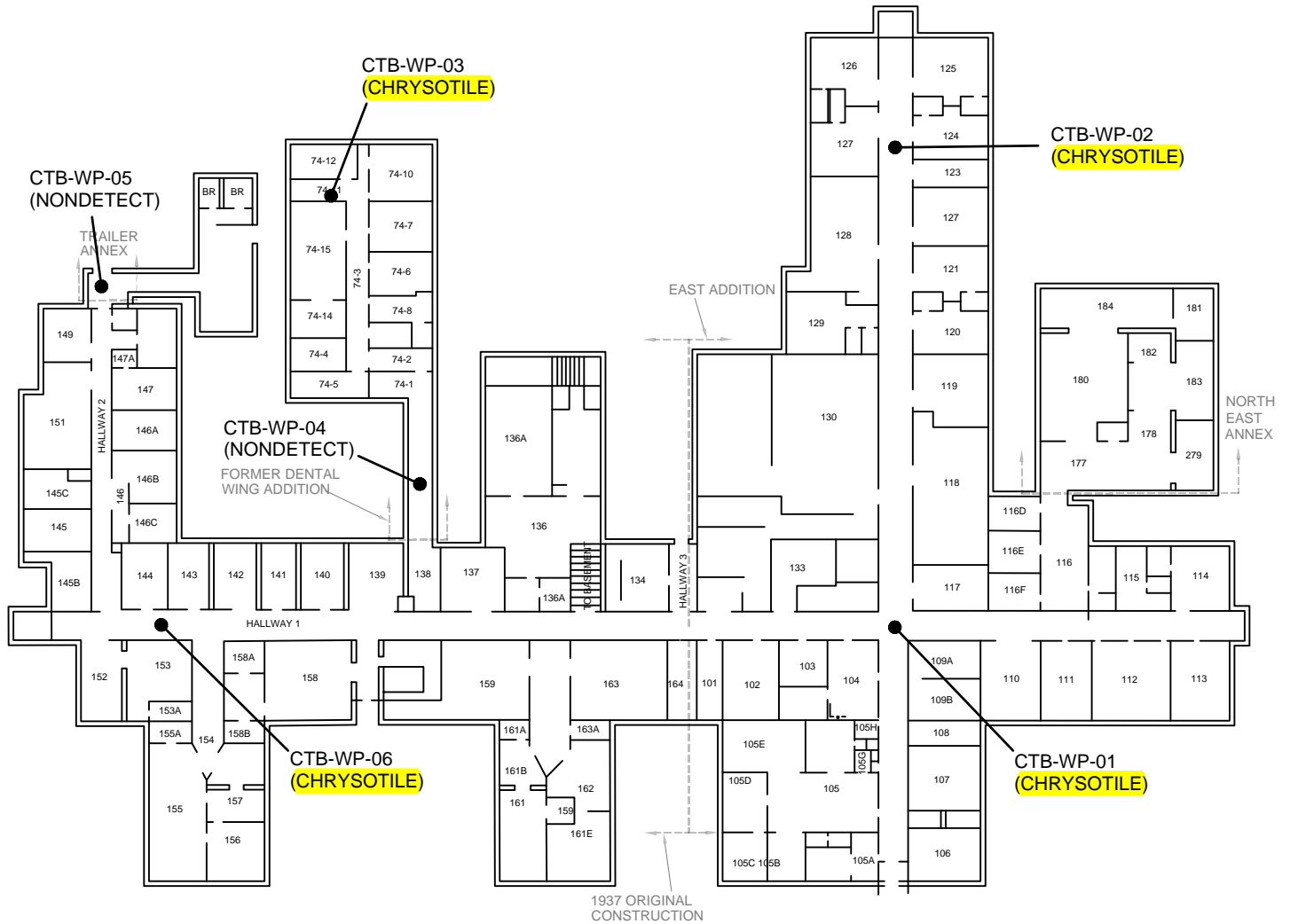
ACM Sample Location and Extents Map
Basement
Crow Tribal Building
#1 Baatcheeitche Avenue
Crow Agency, Big Horn County, MT

DATE:
3/6/20
SCALE:
N.T.S.

Figure
4

LEGEND:

● WIPE SAMPLE LOCATION (APPROXIMATE)



Contract No.:
EP-S8-13-01
TDD:
0003-2002-02



Prepared By:
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START IV
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1435 Garrison Street
Lakewood, CO 80215

Asbestos Wipe Sample Location Map
First Floor
Crow Tribal Building
#1 Baatcheeitche Avenue
Crow Agency, Big Horn County, MT

DATE:
3/6/20
SCALE:
N.T.S.

Figure
5

TABLES

Table 1
ACM Sample Results and Estimated Volumes

Sample ID	Physical Description	ACM Layer	Asbestos Type and Percent Composition (by PLM Method)	Point Count Method Result	Estimated Volume
Crow Tribal Building - Trailer Annex					
CTB-TA-LI01-025	Light Insulation	B - Off white fibrous material	Chrysotile 75%	--	2 sq. ft.
CTB-TA-LI01-026	Light Insulation	B - Off white fibrous material	Chrysotile 75%	--	
CTB-TA-LI01-027	Light Insulation	B - Off white fibrous material	Chrysotile 75%	--	
Crow Tribal Building - Dental Wing					
CTB-DW-CT01-031	Ceiling Tile	A - Off white ceiling tile	Amosite 6%	--	2,800 sq. ft.
CTB-DW-CT01-032	Ceiling Tile	A - Off white/white ceiling tile	Amosite 6%	--	
CTB-DW-CT01-033	Ceiling Tile	A - Off white/white ceiling tile	Amosite 6%	--	
Crow Tribal Building - East Addition					
CTB-EA-LF01-104	Laminate Flooring	A - Black mastic	Chrysotile 6%	--	2,200 sq. ft.
CTB-EA-LF01-105	Laminate Flooring	A - Black mastic	Chrysotile 5%	--	
CTB-EA-LF01-106	Laminate Flooring	A - Black mastic	Chrysotile 6%	--	
CTB-EA-FD01-128	Fire Door	A - White fibrous material	Chrysotile 12% and Amosite 4%	--	2 Doors
CTB-EA-FD01-129	Fire Door	A - White fibrous material	Chrysotile 12% and Amosite 5%	--	
CTB-EA-FD01-130	Fire Door	A - White fibrous material	Chrysotile 12% and Amosite 4%	--	
CTB-EA-FT02-134	Floor Tile	A - Black mastic	Chrysotile 8%	--	50 sq. ft.
		B - Gray/off white tile	Chrysotile 10%	--	
CTB-EA-FT02-135	Floor Tile	A - Black mastic	Chrysotile 8%	--	
		B - Gray/off white tile	Chrysotile 10%	--	
CTB-EA-FT02-136	Floor Tile	A - Black mastic	Chrysotile 8%	--	
		B - Gray/off white tile	Chrysotile 10%	--	
Crow Tribal Building - Basement					
CTB-B-MF01-151	Mudded Fitting	A - Off white insulation	Chrysotile 15%	--	6 Fittings
Crow Tribal Building - Original Construction					
CTB-OC-FD01-159	Fire Door	B - Off white fibrous material	Chrysotile 6% and Amosite 15%	--	8 Doors
CTB-OC-FD01-160	Fire Door	A - Off white fibrous material	Chrysotile 6% and Amosite 15%	--	
CTB-OC-FD01-161	Fire Door	B - Off white fibrous material	Chrysotile 4% and Amosite 15%	--	
CTB-OC-RF01-187	Roofing Felt	B - Black felt	Chrysotile 35%	--	11,700 sq. ft.
CTB-OC-RF01-188	Roofing Felt	B - Black felt	Chrysotile 35%	--	
CTB-OC-RF01-189	Roofing Felt	B - Black felt	Chrysotile 35%	--	

Table 2
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
Crow Tribal Building - Trailer Annex		
CTB-TA-CT01-001	Ceiling Tile	A - Tan/white ceiling tile
CTB-TA-CT01-002	Ceiling Tile	A - Tan/white ceiling tile
CTB-TA-CT01-003	Ceiling Tile	A - Tan/white ceiling tile
CTB-TA-FT01-004	Floor Tile	A - White/gray tile
CTB-TA-FT01-005	Floor Tile	A - White/gray tile
CTB-TA-FT01-006	Floor Tile	A - White/gray tile w/ tan adhesive
CTB-TA-CP01-007	Carpet	A - Red/multi-colored carpet
CTB-TA-CP01-008	Carpet	A - Red/multi-colored carpet
CTB-TA-CP01-009	Carpet	A - Red/multi-colored carpet
CTB-TA-CP02-010	Carpet	A - Green/multi-colored carpet
CTB-TA-CP02-011	Carpet	A - Green/multi-colored carpet
CTB-TA-CP02-012	Carpet	A - Green/multi-colored carpet
CTB-TA-CP03-013	Carpet	A - Gray/white carpet
CTB-TA-CP03-014	Carpet	A - Gray/white carpet
CTB-TA-CP03-015	Carpet	A - Gray/white carpet
CTB-TA-FI01-016	Fiberglass Insulation	A - Black tar
		B - Tan/red fibrous material w/ silver foil
		C - Pink insulation
CTB-TA-FI01-017	Fiberglass Insulation	A - Black tar
		B - Tan fibrous material w/ silver foil
		C - Pink insulation
CTB-TA-FI01-018	Fiberglass Insulation	A - Black tar
		B - Tan fibrous material w/ red/silver foil
		C - Pink insulation
CTB-TA-FT02-019	Floor Tile	A - Tan/beige sheet vinyl w/ green fibrous backing material
CTB-TA-FT02-020	Floor Tile	A - Brown/gray sheet vinyl w/ green fibrous backing material
CTB-TA-FT02-021	Floor Tile	A - Brown/gray sheet vinyl w/ green fibrous backing material
CTB-TA-FI02-022	Fiberglass Insulation	A - Tan fibrous material
		B - Black tar
		C - Yellow insulation
CTB-TA-FI02-023	Fiberglass Insulation	A - Black tar
		B - Tan fibrous material
		C - Yellow insulation
CTB-TA-FI02-024	Fiberglass Insulation	A - Tan fibrous material
		B - Black tar
		C - Yellow insulation
CTB-TA-CK01-028	Caulk	A - White caulk
CTB-TA-CK01-029	Caulk	A - White caulk
CTB-TA-CK01-030	Caulk	A - White caulk
Crow Tribal Building - Dental Wing		
CTB-DW-CP01-034	Carpet	A - Tan adhesive
		B - Red/multi-colored carpet
CTB-DW-CP01-035	Carpet	A - Red/multi-colored carpet
CTB-DW-CP01-036	Carpet	A - Tan adhesive
		B - Red/multi-colored carpet
CTB-DW-FI01-037	Fiberglass Insulation	A - Black tar
		B - Tan fibrous material w/ silver foil
		C - Pink/yellow insulation
CTB-DW-FI01-038	Fiberglass Insulation	A - Black tar
		B - Tan fibrous material w/ silver/red foil
		C - Pink/yellow insulation
CTB-DW-FI01-039	Fiberglass Insulation	A - Tan fibrous material w/ silver foil
		B - Black tar
		C - Pink insulation
CTB-DW-CK01-040	Caulk	A - White caulk
CTB-DW-CK01-041	Caulk	A - White caulk
CTB-DW-CK01-042	Caulk	A - White caulk
CTB-DW-BM01-043	Brick and Mortar	A - Gray granular material
		B - Red/tan brick
CTB-DW-BM01-044	Brick and Mortar	A - Gray granular material
		B - Red/tan brick
CTB-DW-BM01-045	Brick and Mortar	A - Gray granular material
		B - Red/tan brick
CTB-DW-CF01-046	Concrete Foundation	A - Gray/multi-colored granular cementitious material
CTB-DW-CF01-047	Concrete Foundation	A - Gray/multi-colored granular cementitious material
CTB-DW-CF01-048	Concrete Foundation	A - Gray/multi-colored granular cementitious material

Table 2
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
CTB-DW-JC01-049	Joint Compound	A - White texture w/ blue/white paint
		B - Off white tape
		C - White joint compound
		D - White compound w/ white paint
		E - Pink/tan drywall
CTB-DW-JC01-050	Joint Compound	A - White texture w/ blue/white paint
		B - Off white tape
		C - White joint compound
		D - White compound w/ white paint
		E - Pink/tan drywall
CTB-DW-JC01-051	Joint Compound	A - White texture w/ green/white paint
		B - Off white tape
		C - White compound w/ white paint
		D - White joint compound
		E - Pink/tan drywall
CTB-DW-DW01-052	Drywall Texture	A - White texture w/ white paint B - Pink/tan drywall w/ white paint
CTB-DW-DW01-053	Drywall Texture	A - Off white compound w/ off white paint
		B - White texture w/ white paint
		C - Pink/tan drywall
CTB-DW-DW01-054	Drywall Texture	A - White texture w/ white paint
		B - Pink/tan drywall
CTB-DW-DW01-055	Drywall Texture	A - White texture w/ white paint
		B - Pink/tan drywall
CTB-DW-DW01-056	Drywall Texture	A - White texture w/ green/white paint
		B - Pink/tan drywall w/ white paint
CTB-DW-DW01-057	Drywall Texture	A - White texture w/ white paint
		B - Pink/tan drywall
CTB-DW-DW01-058	Drywall Texture	A - White texture w/ white paint
		B - Pink/tan drywall
Crow Tribal Building - Northeast Annex		
CTB-NA-SF01-059	Styrofoam	A - White foam
CTB-NA-SF01-060	Styrofoam	A - White foam
CTB-NA-SF01-061	Styrofoam	A - White foam
CTB-NA-CB01-062	Cove Base	A - Tan adhesive
		B - Black cove base
CTB-NA-CB01-063	Cove Base	A - Tan adhesive
		B - Black cove base
CTB-NA-CB01-064	Cove Base	A - Tan adhesive
		B - Black cove base
CTB-NA-MT01-065	Mastic	A - White drywall plaster
CTB-NA-MT01-066	Mastic	A - White/tan drywall
CTB-NA-MT01-067	Mastic	A - White drywall plaster
CTB-NA-LC01-068	Leveling Compound	A - Tan adhesive
		B - Gray leveling compound
CTB-NA-LC01-069	Leveling Compound	A - Tan adhesive
		B - Gray leveling compound
CTB-NA-LC01-070	Leveling Compound	A - Tan adhesive
		B - Gray leveling compound
CTB-NA-FI01-071	Fiberglass Insulation	A - Silver/tan wrap
		B - Yellow insulation
CTB-NA-FI01-072	Fiberglass Insulation	A - Silver/white wrap
		B - Yellow insulation
CTB-NA-FI01-073	Fiberglass Insulation	A - Silver/white wrap
		B - Yellow insulation
CTB-NA-DI01-074	Duct Insulation	A - Black fibrous material
CTB-NA-DI01-075	Duct Insulation	A - Black fibrous material
		B - Gray insulation
CTB-NA-DI01-076	Duct Insulation	A - Black fibrous material
		B - Gray insulation
CTB-NA-CP01-077	Carpet	A - Tan adhesive
		B - Blue/multi-colored carpet
CTB-NA-CP01-078	Carpet	A - Tan adhesive
		B - Blue/multi-colored carpet
CTB-NA-CP01-079	Carpet	A - Tan adhesive
		B - Blue/multi-colored carpet
CTB-NA-CP02-080	Carpet	A - Tan adhesive
		B - Brown/multi-colored carpet

Table 2
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
CTB-NA-CP02-081	Carpet	A - Tan adhesive
		B - Brown/multi-colored carpet
CTB-NA-CP02-082	Carpet	A - Tan adhesive
		B - Brown/multi-colored carpet
CTB-NA-CB02-083	Cove Base	A - Tan adhesive
		B - Brown cove base
CTB-NA-CB02-084	Cove Base	A - Tan adhesive
		B - Brown cove base
CTB-NA-CB02-085	Cove Base	A - Tan adhesive
		B - Brown cove base
CTB-NA-FT01-086	Floor Tile	A - Gray/multi-colored floor tile w/ tan adhesive
CTB-NA-FT01-087	Floor Tile	A - Gray/multi-colored floor tile w/ tan adhesive
CTB-NA-FT01-088	Floor Tile	A - Gray/multi-colored floor tile w/ tan adhesive
CTB-NA-MT02-089	Mastic	A - Tan cork w/ tan adhesive
CTB-NA-MT02-090	Mastic	A - Brown resinous material
		B - Tan cork w/ tan adhesive
CTB-NA-MT02-091	Mastic	A - Tan cork w/ tan adhesive
CTB-NA-MT03-092	Mastic	A - Tan wood w/ gray adhesive
CTB-NA-MT03-093	Mastic	A - Tan wood w/ gray adhesive
CTB-NA-MT03-094	Mastic	A - Tan wood w/ gray adhesive
CTB-NA-CK01-095	Caulk	A - Gray caulk
CTB-NA-CK01-096	Caulk	A - Gray caulk w/ off white resinous material
CTB-NA-CK01-097	Caulk	A - Gray caulk w/ off white resinous material
Crow Tribal Building - East Addition		
CTB-EA-CT01-098	Ceiling Tile	A - White/off white ceiling tile
CTB-EA-CT01-099	Ceiling Tile	A - White/off white ceiling tile
CTB-EA-CT01-100	Ceiling Tile	A - White/off white ceiling tile
CTB-EA-FT01-101	Floor Tile	A - Gray leveling compound w/ black mastic
		B - Gray floor tile w/ tan adhesive
CTB-EA-FT01-102	Floor Tile	A - Gray floor tile w/ tan adhesive
CTB-EA-FT01-103	Floor Tile	A - Gray floor tile w/ tan adhesive & gray leveling compound
CTB-EA-CP01-107	Carpet	A - Brown/multi-colored carpet w/ tan adhesive
CTB-EA-CP01-108	Carpet	A - Brown/multi-colored carpet w/ tan adhesive
CTB-EA-CP01-109	Carpet	A - Brown/multi-colored carpet w/ tan adhesive
CTB-EA-FI01-110	Fiberglass Insulation	A - Yellow insulation w/ off white wrap
CTB-EA-FI01-111	Fiberglass Insulation	A - Yellow insulation w/ off white wrap
CTB-EA-FI01-112	Fiberglass Insulation	A - Yellow insulation w/ off white wrap
CTB-EA-JC01-113	Joint Compound	A - White tape
		B - White joint compound
		C - White compound w/ peach paint
		D - Pink/tan drywall
CTB-EA-JC01-114	Joint Compound	A - White tape
		B - White compound w/ peach paint
		C - White joint compound
		D - Pink/tan drywall
CTB-EA-JC01-115	Joint Compound	A - White tape
		B - White compound w/ peach paint
		C - White joint compound
		D - Pink/tan drywall
CTB-EA-DW01-116	Drywall Texture	A - White compound w/ peach/off white paint
		B - Pink/tan drywall
CTB-EA-DW01-117	Drywall Texture	A - White compound w/ peach/off white paint
		B - Pink/tan drywall
CTB-EA-DW01-118	Drywall Texture	A - White texture w/ peach/off white paint
		B - White compound w/ white paint
		C - Pink/tan drywall
CTB-EA-MT01-119	Mastic	A - Off white adhesive
		B - Brown fiberboard
CTB-EA-MT01-120	Mastic	A - Green/multi-colored paint
		B - Off white adhesive
		C - Brown fiberboard
CTB-EA-MT01-121	Mastic	A - Off white adhesive
		B - Brown fiberboard
CTB-EA-MT02-122	Mastic	A - Colorless/yellow adhesive
		B - Off white/white paint
		C - Blue resinous material

Table 2
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
CTB-EA-MT02-123	Mastic	A - Colorless/yellow adhesive
		B - Off white/white paint
		C - Blue resinous material
CTB-EA-MT02-124	Mastic	A - Colorless/yellow adhesive
		B - Off white/white paint
		C - Blue resinous material
CTB-EA-FI02-125	Fiberglass Insulation	A - Tan adhesive
		B - Black felt
		C - Yellow insulation w/ black/brown tar paper
CTB-EA-FI02-126	Fiberglass Insulation	A - Tan adhesive
		B - Black felt
		C - Yellow insulation w/ blue/brown tar paper
CTB-EA-FI02-127	Fiberglass Insulation	A - Tan adhesive
		B - Black felt
		C - Yellow insulation w/ black/brown tar paper
CTB-EA-CK01-131	Caulk	A - Black caulk
CTB-EA-CK01-132	Caulk	A - Black caulk
CTB-EA-CK01-133	Caulk	A - Black caulk
CTB-EA-FI03-137	Fiberglass Insulation	A - Orange insulation
CTB-EA-FI03-190	Fiberglass Insulation	A - Tan insulation
CTB-EA-FI03-191	Fiberglass Insulation	A - Tan insulation
Crow Tribal Building - Basement		
CTB-B-DI01-138	Duct Insulation	A - Yellow insulation w/ black resinous material
CTB-B-DI01-139	Duct Insulation	A - Yellow insulation w/ black resinous material
CTB-B-DI01-140	Duct Insulation	A - Yellow insulation w/ black resinous material
CTB-B-BG01-141	Boiler Gasket	A - Tan/multi-colored resinous material
		B - Brown fibrous woven material
CTB-B-BG01-142	Boiler Gasket	A - Off white/multi-colored resinous material
		B - Off white/gray fibrous woven material
CTB-B-BG01-143	Boiler Gasket	A - Off white/multi-colored resinous material
		B - Off white/gray fibrous woven material
CTB-B-BI01-144	Boiler Insulation	A - Tan/off white insulation
CTB-B-BI01-145	Boiler Insulation	A - Tan/off white insulation
CTB-B-BI01-146	Boiler Insulation	A - Tan/off white insulation
CTB-B-WG01-147	Window Glazing	A - Tan glazing
CTB-B-WG01-148	Window Glazing	A - Tan glazing
CTB-B-WG01-149	Window Glazing	A - Tan glazing
CTB-B-MF01-150	Mudded Fitting	A - Off white insulation
CTB-B-MF01-152	Mudded Fitting	A - Yellow adhesive
		B - Off white insulation
CTB-B-VD01-153	Vibration Dampener	A - Brown/multi-colored fibrous woven material
CTB-B-VD01-154	Vibration Dampener	A - Yellow adhesive
		B - Brown/multi-colored fibrous woven material
CTB-B-VD01-155	Vibration Dampener	A - Yellow adhesive
		B - Brown/multi-colored fibrous woven material
CTB-B-ST01-156	Stair Tread	A - Tan fibrous woven material
		B - Gray paint
		C - Colorless adhesive
		D - Black stair tread
CTB-B-ST01-157	Stair Tread	A - Tan fibrous woven material
		B - Gray/multi-colored paint
		C - Colorless adhesive
		D - Black stair tread
CTB-B-ST01-158	Stair Tread	A - Tan fibrous woven material
		B - Gray paint
		C - Colorless adhesive
		D - Black stair tread
Crow Tribal Building - Original Construction		
CTB-OC-RM01-162	Roofing Material	A - Black tar
		B - Black fibrous tar
		C - Gray fibrous material
		D - Black fibrous tar w/ tan granular material
CTB-OC-RM01-163	Roofing Material	A - Black tar w/ tan granular material
		B - Black fibrous tar w/ black granular material
CTB-OC-RM01-164	Roofing Material	A - Black tar w/ gray granular material
		B - Black fibrous tar
CTB-OC-PL01-165	Plaster	A - Black tar
		B - Gray granular plaster

Table 2
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
CTB-OC-PL01-166	Plaster	A - Gray granular plaster w/ gray/multi-colored paint
CTB-OC-PL01-167	Plaster	A - Tan compound w/ cream/multi-colored paint
		B - Tan granular plaster w/ cream paint
CTB-OC-PL01-168	Plaster	A - Black tar
		B - White compound w/ cream paint
		C - Tan granular plaster w/ white/multi-colored paint
CTB-OC-PL01-169	Plaster	A - Tan granular plaster w/ white/multi-colored paint
CTB-OC-PL01-170	Plaster	A - Tan granular plaster w/ white paint
CTB-OC-PL01-171	Plaster	A - White compound w/ cream paint
		B - Tan granular plaster w/ white/multi-colored paint
CTB-OC-CM01-172	Chimney Material	A - Red brick
		B - Gray granular cementitious material
CTB-OC-CM01-173	Chimney Material	A - Gray granular cementitious material
		B - Red brick
CTB-OC-CM01-174	Chimney Material	A - Off white fibrous material
		B - Gray granular cementitious material
		C - Red brick
CTB-OC-FL01-175	Chimney Flue	A - Red/multi-colored brick
CTB-OC-FL01-176	Chimney Flue	A - Red/multi-colored brick
CTB-OC-FL01-177	Chimney Flue	A - Red/multi-colored brick
CTB-OC-TF01-178	Terrazzo	A - White plaster w/ gray granular material
CTB-OC-TF01-179	Terrazzo	A - Gray granular cementitious material
CTB-OC-TF01-180	Terrazzo	A - White plaster w/ gray granular material
CTB-OC-DB01-181	Debris	A - Black charred insulation
CTB-OC-DB01-182	Debris	A - Black charred insulation
CTB-OC-DB01-183	Debris	A - Gray charred insulation
CTB-OC-FB01-184	Fire Brick and Mortar	A - Gray mortar
		B - Red brick
CTB-OC-FB01-185	Fire Brick and Mortar	A - Gray mortar
		B - Red brick
CTB-OC-FB01-186	Fire Brick and Mortar	A - Gray mortar
		B - Red brick

Table 3
Asbestos Wipe Sample Results



Sample ID	Sample Location	Asbestos Mineral Present
CTB-BLNK	N/A	None
CTB-WP-01	East Addition - Central Hallway Intersection Floor	Chrysotile
CTB-WP-02	East Addition - North Hallway Floor	Chrysotile
CTB-WP-03	Dental Wing - North Wall	Chrysotile
CTB-WP-04	Dental Wing - South Hallway Wall	None
CTB-WP-05	Trailer Annex - Hallway Wall	None
CTB-WP-06	Original Contruction - Central Hallway Intersection Floor	Chrysotile

Table 4
ACM Soil Sample Results

Sample ID	Physical Description	Asbestos Type and Percent Composition (by PLM Method)
CTB-C-SO01	A - Brown soil	Nondetect
CTB-C-SO91	A - Brown soil	Nondetect
CTB-C-SO02	A - Brown soil	Nondetect
CTB-C-SO03	A - White compound	Nondetect
	B - Brown soil w/ brown rock fragments	Nondetect
CTB-C-SO04	A - Tan soil	Nondetect
CTB-C-SO05	A - Tan soil	Nondetect

APPENDIX A
PHOTOGRAPH LOG

Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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<table> <tr> <td>Photo No. 1</td><td>Date: 02/16/2020</td></tr> <tr> <td colspan="2">Photo Coordinates</td></tr> <tr> <td>Lat</td><td>45.603458</td></tr> <tr> <td>Long</td><td>-107.460878</td></tr> <tr> <td colspan="2">Direction Photo Taken: 28.25927734375</td></tr> <tr> <td colspan="2">Description: Main entrance to the Crow Tribal Building.</td></tr> </table>	Photo No. 1	Date: 02/16/2020	Photo Coordinates		Lat	45.603458	Long	-107.460878	Direction Photo Taken: 28.25927734375		Description: Main entrance to the Crow Tribal Building.		
Photo No. 1	Date: 02/16/2020												
Photo Coordinates													
Lat	45.603458												
Long	-107.460878												
Direction Photo Taken: 28.25927734375													
Description: Main entrance to the Crow Tribal Building.													
<table> <tr> <td>Photo No. 2</td><td>Date: 02/16/2020</td></tr> <tr> <td colspan="2">Photo Coordinates</td></tr> <tr> <td>Lat</td><td>45.603906</td></tr> <tr> <td>Long</td><td>-107.460639</td></tr> <tr> <td colspan="2">Direction Photo Taken: 104.941680960549</td></tr> <tr> <td colspan="2">Description: Roof access on East Addition at rear of the building.</td></tr> </table>	Photo No. 2	Date: 02/16/2020	Photo Coordinates		Lat	45.603906	Long	-107.460639	Direction Photo Taken: 104.941680960549		Description: Roof access on East Addition at rear of the building.		
Photo No. 2	Date: 02/16/2020												
Photo Coordinates													
Lat	45.603906												
Long	-107.460639												
Direction Photo Taken: 104.941680960549													
Description: Roof access on East Addition at rear of the building.													

Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 3	Date: 02/16/2020
Photo Coordinates	
Lat	45.6039
Long	-107.460633
Direction Photo Taken: 51.8318176155475	
Description: Portion of the East Addition at the Rear of the building.	



Photo No. 4	Date: 02/16/2020
Photo Coordinates	
Lat	45.6039
Long	-107.460639
Direction Photo Taken: 284.379516506369	
Description: Dental Wing at rear of the building.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 5	Date: 02/16/2020
Photo Coordinates	
Lat	45.603925
Long	-107.460686
Direction Photo Taken: 202.912963811269	
Description: Rear access to the Original Construction section and basement.	



Photo No. 6	Date: 02/16/2020
Photo Coordinates	
Lat	45.604083
Long	-107.461128
Direction Photo Taken: 113.348739624491	
Description: Rear of the building looking at the Dental Wing and portion of the East Addition.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 7	Date: 02/16/2020
Photo Coordinates	
Lat	45.604075
Long	-107.461119
Direction Photo Taken: 163.346947027901	
Description: Trailer Annex at rear of the building.	



Photo No. 8	Date: 02/16/2020
Photo Coordinates	
Lat	45.603511
Long	-107.461083
Direction Photo Taken: 18.9397583007813	
Description: Entrance to the Original Construction section.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 9	Date: 02/14/2020
Photo Coordinates	
Lat	45.60495
Long	-107.46115
Direction Photo Taken: 251.318878288523	
Description: Looking at roofs of Dental Wing and Original Construction.	



Photo No. 10	Date: 02/14/2020
Photo Coordinates	
Lat	45.603897
Long	-107.460472
Direction Photo Taken: 174.956306437518	
Description: Roof of the East Addition.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 11	Date: 02/14/2020
Photo Coordinates	
Lat	45.6037
Long	-107.460481
Direction Photo Taken: 267.894409179688	
Description: Former roof of the Original Construction. Asbestos roofing felt has collapsed into the building.	



Photo No. 12	Date: 02/14/2020
Photo Coordinates	
Lat	45.603744
Long	-107.460586
Direction Photo Taken: 133.0822906641	
Description: Former roof of the Original Construction. Asbestos roofing felt has collapsed into the building.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 13	Date: 02/16/2020
Photo Coordinates	
Lat	45.603661
Long	-107.461167
Direction Photo Taken: 78.160400390625	
Description: Asbestos fire door present in the Original Construction.	



Photo No. 14	Date: 02/16/2020
Photo Coordinates	
Lat	45.603589
Long	-107.461167
Direction Photo Taken: 102.570436507937	
Description: Asbestos fire door present in the Original Construction.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 15	Date: 02/16/2020
Photo Coordinates	
Lat	45.603553
Long	-107.461167
Direction Photo Taken: 54.4181823730469	
Description: Hallway leading to the Original Construction section.	



Photo No. 16	Date: 02/16/2020
Photo Coordinates	
Lat	45.603583
Long	-107.460747
Direction Photo Taken: 45.6862487692813	
Description: Original Construction section with collapsed roof.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 17	Date: 02/16/2020
Photo Coordinates	
Lat	45.603683
Long	-107.460625
Direction Photo Taken: 238.599883855981	
Description: Asbestos fire door debris present in the Original Construction.	



Photo No. 18	Date: 02/16/2020
Photo Coordinates	
Lat	45.603978
Long	-107.460633
Direction Photo Taken: 223.843673668784	
Description: Original Construction section with partially collapsed roof.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 19	Date: 02/16/2020
Photo Coordinates	
Lat	45.6037
Long	-107.460975
Direction Photo Taken: 203.517746066593	
Description: Original Construction section with collapsed roof.	



Photo No. 20	Date: 02/16/2020
Photo Coordinates	
Lat	45.603711
Long	-107.461097
Direction Photo Taken: 198.906112469438	
Description: Asbestos fire door present in the Original Construction.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 21	Date: 02/16/2020
Photo Coordinates	
Lat	45.566872
Long	-107.456108
Direction Photo Taken: 352.974151857835	
Description: Boiler and two (2) air compressors present in the basement.	



Photo No. 22	Date: 02/16/2020
Photo Coordinates	
Lat	45.566872
Long	-107.456108
Direction Photo Taken: 259.759399414063	
Description: Forced air unit present in the basement.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 23	Date: 02/16/2020
Photo Coordinates	
Lat	45.566872
Long	-107.456108
Direction Photo Taken: 313.762725779967	
Description: Asbestos in a mudded fitting present in the basement.	



Photo No. 24	Date: 02/16/2020
Photo Coordinates	
Lat	45.564603
Long	-107.455872
Direction Photo Taken: 211.53091447612	
Description: Asbestos in a mudded fitting present in the basement.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 25	Date: 02/16/2020
Photo Coordinates	
Lat	45.564603
Long	-107.455872
Direction Photo Taken: 62.769744835966	
Description: Backup generator present in the basement of the building.	



Photo No. 26	Date: 02/16/2020
Photo Coordinates	
Lat	45.564347
Long	-107.455819
Direction Photo Taken: 297.690353143841	
Description: One of the boilers with no asbestos in door gasket or insulation.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 27	Date: 02/16/2020
Photo Coordinates	
Lat	45.603797
Long	-107.460639
Direction Photo Taken: 72.4404602622424	
Description: Elevator door previously identified as asbestos has been removed.	



Photo No. 28	Date: 02/16/2020
Photo Coordinates	
Lat	45.603797
Long	-107.460639
Direction Photo Taken: 191.388511749347	
Description: Mold present in the basement.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 29	Date: 02/16/2020
Photo Coordinates	
Lat	45.603797
Long	-107.460639
Direction Photo Taken: 159.625625625626	
Description: Fire hoses previously identified as asbestos have been removed.	

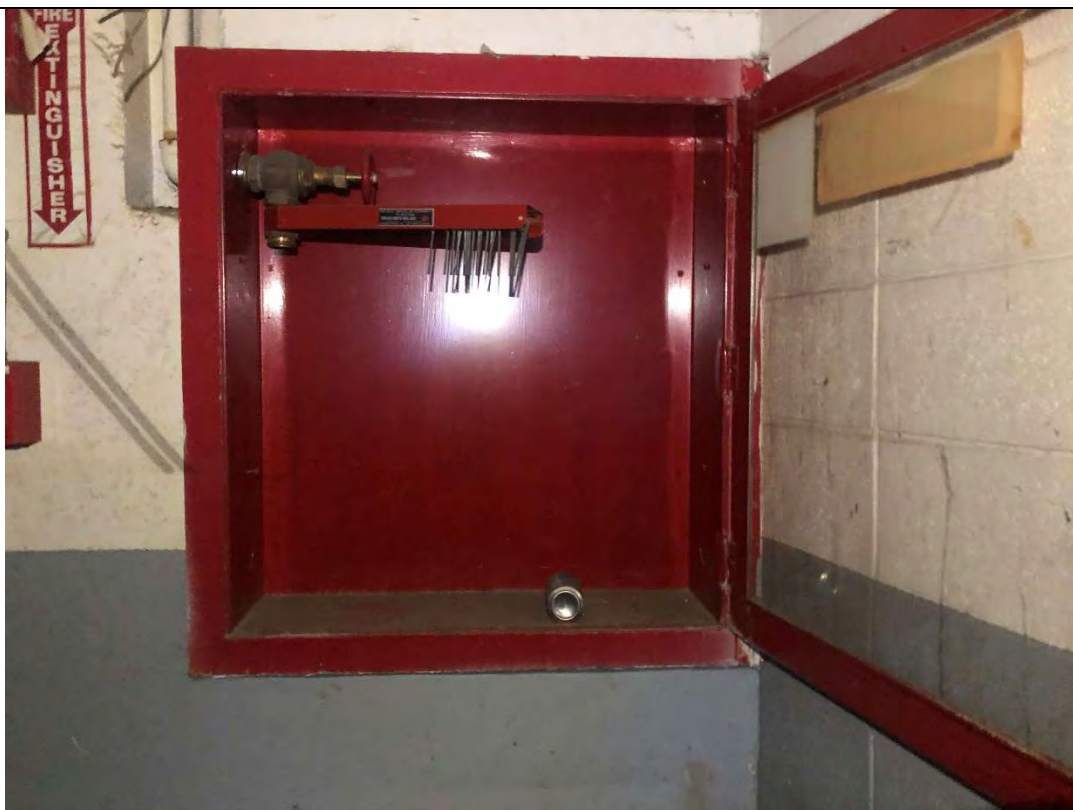


Photo No. 30	Date: 02/13/2020
Photo Coordinates	
Lat	45.603725
Long	-107.461403
Direction Photo Taken: 342.73854099419	
Description: Asbestos in light insulation present in the bathrooms of the Trailer Annex.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 31	Date: 02/13/2020
Photo Coordinates	
Lat	45.603653
Long	-107.461394
Direction Photo Taken: 349.213958810069	
Description: Trailer Annex interior.	



Photo No. 32	Date: 02/13/2020
Photo Coordinates	
Lat	45.603661
Long	-107.461394
Direction Photo Taken: 248.899444787168	
Description: Hallway leading from the Trailer Annex to the Original Construction section.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
--	--	------------------------------------

Photo No. 33	Date: 02/13/2020
Photo Coordinates	
Lat	45.603561
Long	-107.460786
Direction Photo Taken: 8.97137451171875	
Description: Dental Wing with asbestos in ceiling tiles.	



Photo No. 34	Date: 02/13/2020
Photo Coordinates	
Lat	45.603561
Long	-107.460786
Direction Photo Taken: 69.1215514886643	
Description: Example of the copper salvaging operations in the Dental Wing.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 35	Date: 02/14/2020
Photo Coordinates	
Lat	45.604533
Long	-107.460061
Direction Photo Taken: 11.8875122070313	
Description: Interior of the Northeast Annex.	



Photo No. 36	Date: 02/14/2020
Photo Coordinates	
Lat	45.604042
Long	-107.460319
Direction Photo Taken: 265.287185701303	
Description: Interior of the Northeast Annex.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 37	Date: 02/14/2020
Photo Coordinates	
Lat	45.603711
Long	-107.463958
Direction Photo Taken: 134.156494140625	
Description: Interior of the Northeast Annex.	



Photo No. 38	Date: 02/14/2020
Photo Coordinates	
Lat	45.602561
Long	-107.458642
Direction Photo Taken: 46.042266824085	
Description: Johns Manville Air Cell pipe insulation and mudded fittings observed in room 102 of the East Addition.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 39	Date: 02/14/2020
Photo Coordinates	
Lat	45.601678
Long	-107.461167
Direction Photo Taken: 41.244384765625	
Description: Interior of the East Addition.	



Photo No. 40	Date: 02/14/2020
Photo Coordinates	
Lat	45.601678
Long	-107.461167
Direction Photo Taken: 60.35302734375	
Description: Asbestos in residual 9"x9" floor tiles and black mastic previously not abated in a closet inside the East Addition.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 41	Date: 02/14/2020
Photo Coordinates	
Lat	45.601678
Long	-107.461167
Direction Photo Taken: 287.890929965557	
Description: Debris present in a room inside the East Addition.	



Photo No. 42	Date: 02/14/2020
Photo Coordinates	
Lat	45.603797
Long	-107.460389
Direction Photo Taken: 117.591465001301	
Description: Debris present in a room inside the East Addition.	



Project Name: Crow Tribal Building	Site Location: Crow Agency, MT	Project No. 0003/2001-02
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Photo No. 43	Date: 02/14/2020
Photo Coordinates	
Lat	45.603589
Long	-107.460214
Direction Photo Taken: 253.881576535289	
Description: Ballast without a "No-PCBs" label.	

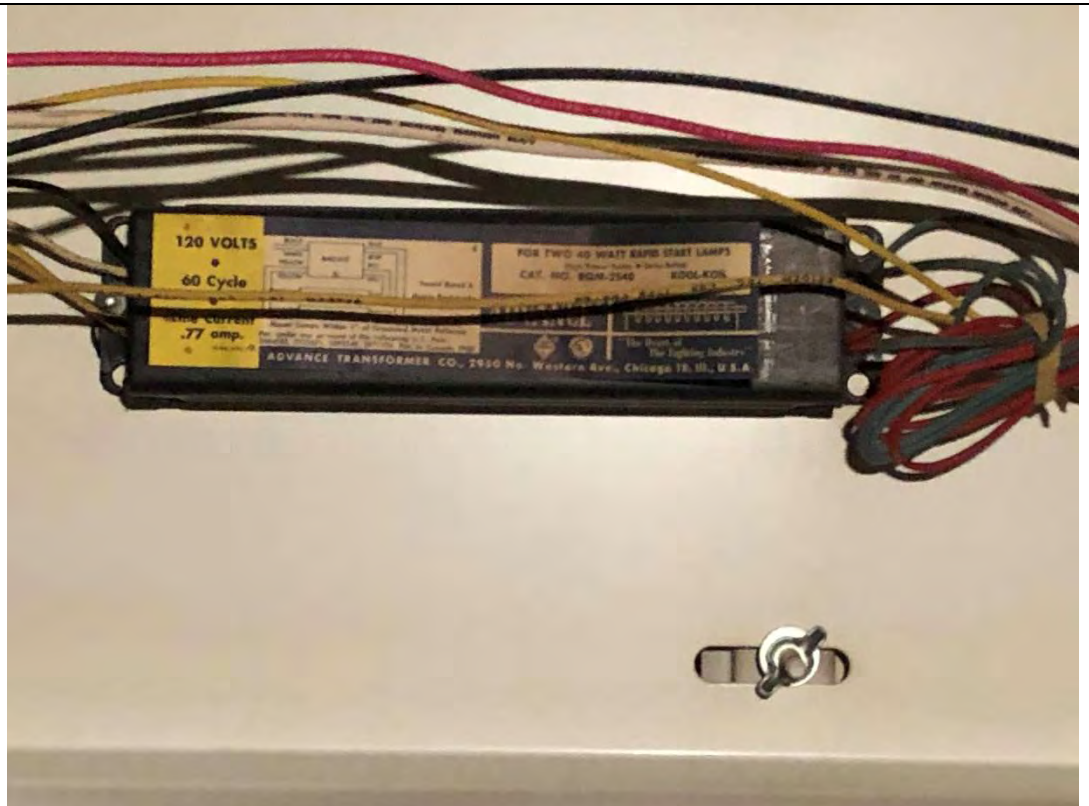


Photo No. 44	Date: 02/14/2020
Photo Coordinates	
Lat	45.603594
Long	-107.460122
Direction Photo Taken: 4.2431640625	
Description: Hallway inside the East Addition.	



APPENDIX B

LABORATORY REPORTS



February 26, 2020

Subcontractor Number:

Laboratory Report: RES 456888-1

Project #/P.O. #: 20408.016.003.0764.00

Project Description: Crow Tribal Building

Michael Cherny
Weston Solutions, Inc. (CO)
1435 Garrison St. Ste. 100
Lakewood CO 80215

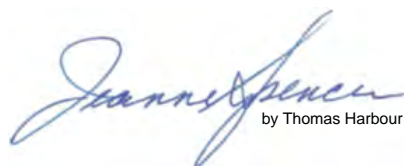
Dear Michael,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 456888-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Thomas Harbour

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 456888-1**
 Client: **Weston Solutions, Inc. (CO)**
 Client Project Number / P.O.: **20408.016.003.0764.00**
 Client Project Description: **Crow Tribal Building**
 Date Samples Received: **February 20, 2020**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **Standard**
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ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-TA-CT01-001	A	Tan/white ceiling tile	100		ND	80	20
CTB-TA-CT01-002	A	Tan/white ceiling tile	100		ND	80	20
CTB-TA-CT01-003	A	Tan/white ceiling tile	100		ND	80	20
CTB-TA-FT01-004	A	White/gray tile	100		ND	0	100
CTB-TA-FT01-005	A	White/gray tile	100		ND	0	100
CTB-TA-FT01-006	A	White/gray tile w/ tan adhesive	100		ND	0	100
CTB-TA-CP01-007	A	Red/multi-colored carpet	100		ND	80	20
CTB-TA-CP01-008	A	Red/multi-colored carpet	100		ND	80	20
CTB-TA-CP01-009	A	Red/multi-colored carpet	100		ND	80	20
CTB-TA-CP02-010	A	Green/multi-colored carpet	100		ND	80	20
CTB-TA-CP02-011	A	Green/multi-colored carpet	100		ND	80	20
CTB-TA-CP02-012	A	Green/multi-colored carpet	100		ND	80	20
CTB-TA-CP03-013	A	Gray/white carpet	100		ND	85	15
CTB-TA-CP03-014	A	Gray/white carpet	100		ND	80	20

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-TA-CP03-015	A	Gray/white carpet	100		ND	80	20
CTB-TA-FI01-016	A	Black tar	6		ND	0	100
	B	Tan/red fibrous material w/ silver foil	8		ND	70	30
	C	Pink insulation	86		ND	95	5
CTB-TA-FI01-017	A	Black tar	6		ND	0	100
	B	Tan fibrous material w/ silver foil	6		ND	65	35
	C	Pink insulation	88		ND	95	5
CTB-TA-FI01-018	A	Black tar	8		ND	0	100
	B	Tan fibrous material w/ red/silver foil	8		ND	65	35
	C	Pink insulation	84		ND	95	5
CTB-TA-FT02-019	A	Tan/beige sheet vinyl w/ green fibrous backing material	100		ND	25	75
CTB-TA-FT02-020	A	Brown/gray sheet vinyl w/ green fibrous backing material	100		ND	20	80
CTB-TA-FT02-021	A	Brown/gray sheet vinyl w/ green fibrous backing material	100		ND	20	80

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-TA-FI02-022	A	Tan fibrous material	10		ND	90	10
	B	Black tar	10		ND	0	100
	C	Yellow insulation	80		ND	95	5
CTB-TA-FI02-023	A	Black tar	10		ND	0	100
	B	Tan fibrous material	10		ND	90	10
	C	Yellow insulation	80		ND	95	5
CTB-TA-FI02-024	A	Tan fibrous material	25		ND	90	10
	B	Black tar	30		ND	0	100
	C	Yellow insulation	45		ND	95	5
CTB-TA-LI01-025	A	Silver foil	30		ND	0	100
	B	Off white fibrous material	70	Chrysotile	75	15	10
CTB-TA-LI01-026	A	Silver foil	25		ND	0	100
	B	Off white fibrous material	75	Chrysotile	75	15	10

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-TA-LI01-027	A	Silver foil	30		ND	0	100
	B	Off white fibrous material	70	Chrysotile	75	15	10
CTB-TA-CK01-028	A	White caulk	100		ND	0	100
CTB-TA-CK01-029	A	White caulk	100		ND	0	100
CTB-TA-CK01-030	A	White caulk	100		ND	0	100
CTB-DW-CT01-031	A	Off white ceiling tile	100	Amosite	6	75	19
CTB-DW-CT01-032	A	Off white/white ceiling tile	100	Amosite	6	75	19
CTB-DW-CT01-033	A	Off white/white ceiling tile	100	Amosite	6	85	9
CTB-DW-CP01-034	A	Tan adhesive	6		ND	0	100
	B	Red/multi-colored carpet	94		ND	80	20
CTB-DW-CP01-035	A	Red/multi-colored carpet	100		ND	80	20
CTB-DW-CP01-036	A	Tan adhesive	4		ND	0	100
	B	Red/multi-colored carpet	96		ND	80	20

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-DW-FI01-037	A	Black tar	6		ND	0	100
	B	Tan fibrous material w/ silver foil	15		ND	65	35
	C	Pink/yellow insulation	79		ND	95	5
CTB-DW-FI01-038	A	Black tar	10		ND	0	100
	B	Tan fibrous material w/ silver/red foil	10		ND	65	35
	C	Pink/yellow insulation	80		ND	95	5
CTB-DW-FI01-039	A	Tan fibrous material w/ silver foil	30		ND	60	40
	B	Black tar	35		ND	0	100
	C	Pink insulation	35		ND	95	5
CTB-DW-CK01-040	A	White caulk	100		ND	0	100
CTB-DW-CK01-041	A	White caulk	100		ND	0	100
CTB-DW-CK01-042	A	White caulk	100		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-DW-BM01-043	A	Gray granular material	25		ND	0	100
	B	Red/tan brick	75		ND	0	100
CTB-DW-BM01-044	A	Gray granular material	40		ND	0	100
	B	Red/tan brick	60		ND	0	100
CTB-DW-BM01-045	A	Gray granular material	20		ND	0	100
	B	Red/tan brick	80		ND	0	100
CTB-DW-CF01-046	A	Gray/multi-colored granular cementitious material	100		ND	0	100
CTB-DW-CF01-047	A	Gray/multi-colored granular cementitious material	100		ND	0	100
CTB-DW-CF01-048	A	Gray/multi-colored granular cementitious material	100		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-DW-JC01-049	A	White texture w/ blue/white paint	2		ND	0	100
	B	Off white tape	5		ND	90	10
	C	White joint compound	10		ND	0	100
	D	White compound w/ white paint	15		ND	0	100
	E	Pink/tan drywall	68		ND	20	80
CTB-DW-JC01-050	A	White texture w/ blue/white paint	TR		ND	0	100
	B	Off white tape	3		ND	90	10
	C	White joint compound	7		ND	0	100
	D	White compound w/ white paint	10		ND	0	100
	E	Pink/tan drywall	80		ND	15	85

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-DW-JC01-051	A	White texture w/ green/white paint	5		ND	0	100
	B	Off white tape	5		ND	90	10
	C	White compound w/ white paint	10		ND	0	100
	D	White joint compound	10		ND	0	100
	E	Pink/tan drywall	70		ND	20	80
CTB-DW-DW01-052	A	White texture w/ white paint	5		ND	0	100
	B	Pink/tan drywall w/ white paint	95		ND	10	90
CTB-DW-DW01-053	A	Off white compound w/ off white paint	5		ND	0	100
	B	White texture w/ white paint	10		ND	0	100
	C	Pink/tan drywall	85		ND	15	85
CTB-DW-DW01-054	A	White texture w/ white paint	6		ND	0	100
	B	Pink/tan drywall	94		ND	17	83

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-DW-DW01-055	A	White texture w/ white paint	8		ND	0	100
	B	Pink/tan drywall	92		ND	12	88
CTB-DW-DW01-056	A	White texture w/ green/white paint	10		ND	0	100
	B	Pink/tan drywall w/ white paint	90		ND	10	90
CTB-DW-DW01-057	A	White texture w/ white paint	5		ND	0	100
	B	Pink/tan drywall	95		ND	12	88
CTB-DW-DW01-058	A	White texture w/ white paint	6		ND	0	100
	B	Pink/tan drywall	94		ND	15	85
CTB-NA-SF01-059	A	White foam	100		ND	0	100
CTB-NA-SF01-060	A	White foam	100		ND	0	100
CTB-NA-SF01-061	A	White foam	100		ND	0	100
CTB-NA-CB01-062	A	Tan adhesive	5		ND	0	100
	B	Black cove base	95		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-NA-CB01-063	A	Tan adhesive	8		ND	0	100
	B	Black cove base	92		ND	0	100
CTB-NA-CB01-064	A	Tan adhesive	10		ND	0	100
	B	Black cove base	90		ND	0	100
CTB-NA-MT01-065	A	White drywall plaster	100		ND	3	97
CTB-NA-MT01-066	A	White/tan drywall	100		ND	5	95
CTB-NA-MT01-067	A	White drywall plaster	100		ND	2	98
CTB-NA-LC01-068	A	Tan adhesive	2		ND	0	100
	B	Gray leveling compound	98		ND	0	100
CTB-NA-LC01-069	A	Tan adhesive	TR		ND	0	100
	B	Gray leveling compound	100		ND	0	100
CTB-NA-LC01-070	A	Tan adhesive	1		ND	0	100
	B	Gray leveling compound	99		ND	0	100

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RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 456888-1**
 Client: **Weston Solutions, Inc. (CO)**
 Client Project Number / P.O.: **20408.016.003.0764.00**
 Client Project Description: **Crow Tribal Building**
 Date Samples Received: **February 20, 2020**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **Standard**
 Date Samples Analyzed: **February 25, 2020 - February 26, 2020**

ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-NA-FI01-071	A	Silver/tan wrap	5		ND	45	55
	B	Yellow insulation	95		ND	95	5
CTB-NA-FI01-072	A	Silver/white wrap	2		ND	45	55
	B	Yellow insulation	98		ND	95	5
CTB-NA-FI01-073	A	Silver/white wrap	5		ND	45	55
	B	Yellow insulation	95		ND	95	5
CTB-NA-DI01-074	A	Black fibrous material	100		ND	85	15
CTB-NA-DI01-075	A	Black fibrous material	35		ND	85	15
	B	Gray insulation	65		ND	95	5
CTB-NA-DI01-076	A	Black fibrous material	25		ND	85	15
	B	Gray insulation	75		ND	95	5
CTB-NA-CP01-077	A	Tan adhesive	5		ND	0	100
	B	Blue/multi-colored carpet	95		ND	80	20

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-NA-CP01-078	A	Tan adhesive	8		ND	0	100
	B	Blue/multi-colored carpet	92		ND	80	20
CTB-NA-CP01-079	A	Tan adhesive	3		ND	0	100
	B	Blue/multi-colored carpet	97		ND	80	20
CTB-NA-CP02-080	A	Tan adhesive	2		ND	0	100
	B	Brown/multi-colored carpet	98		ND	80	20
CTB-NA-CP02-081	A	Tan adhesive	5		ND	0	100
	B	Brown/multi-colored carpet	95		ND	80	20
CTB-NA-CP02-082	A	Tan adhesive	3		ND	0	100
	B	Brown/multi-colored carpet	97		ND	80	20
CTB-NA-CB02-083	A	Tan adhesive	5		ND	0	100
	B	Brown cove base	95		ND	0	100
CTB-NA-CB02-084	A	Tan adhesive	2		ND	0	100
	B	Brown cove base	98		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-NA-CB02-085	A	Tan adhesive	10		ND	0	100
	B	Brown cove base	90		ND	0	100
CTB-NA-FT01-086	A	Gray/multi-colored floor tile w/ tan adhesive	100		ND	0	100
CTB-NA-FT01-087	A	Gray/multi-colored floor tile w/ tan adhesive	100		ND	0	100
CTB-NA-FT01-088	A	Gray/multi-colored floor tile w/ tan adhesive	100		ND	0	100
CTB-NA-MT02-089	A	Tan cork w/ tan adhesive	100		ND	0	100
CTB-NA-MT02-090	A	Brown resinous material	15		ND	0	100
	B	Tan cork w/ tan adhesive	85		ND	0	100
CTB-NA-MT02-091	A	Tan cork w/ tan adhesive	100		ND	0	100
CTB-NA-MT03-092	A	Tan wood w/ gray adhesive	100		ND	90	10
CTB-NA-MT03-093	A	Tan wood w/ gray adhesive	100		ND	88	12
CTB-NA-MT03-094	A	Tan wood w/ gray adhesive	100		ND	88	12
CTB-NA-CK01-095	A	Gray caulk	100		ND	0	100
CTB-NA-CK01-096	A	Gray caulk w/ off white resinous material	100		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-NA-CK01-097	A	Gray caulk w/ off white resinous material	100		ND	0	100
CTB-EA-CT01-098	A	White/off white ceiling tile	100		ND	80	20
CTB-EA-CT01-099	A	White/off white ceiling tile	100		ND	80	20
CTB-EA-CT01-100	A	White/off white ceiling tile	100		ND	80	20
CTB-EA-FT01-101	A	Gray leveling compound w/ black mastic	15		ND	2	98
	B	Gray floor tile w/ tan adhesive	85		ND	0	100
CTB-EA-FT01-102	A	Gray floor tile w/ tan adhesive	100		ND	0	100
CTB-EA-FT01-103	A	Gray floor tile w/ tan adhesive & gray leveling compound	100		ND	TR	100
CTB-EA-LF01-104	A	Black mastic	5	Chrysotile	6	TR	94
	B	Gray leveling compound	15		ND	5	95
	C	Brown/multi-colored sheet vinyl w/ tan adhesive	80		ND	0	100
	A	Black mastic	TR	Chrysotile	5	0	95
	B	Gray leveling compound	5		ND	4	96
CTB-EA-LF01-105	C	Brown/multi-colored sheet vinyl w/ tan adhesive	95		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-LF01-106	A	Black mastic	5	Chrysotile	6	0	94
	B	Gray granular cementitious material	5		ND	0	100
	C	Gray leveling compound	10		ND	5	95
	D	Brown/multi-colored sheet vinyl w/ tan adhesive	80		ND	0	100
CTB-EA-CP01-107	A	Brown/multi-colored carpet w/ tan adhesive	100		ND	70	30
CTB-EA-CP01-108	A	Brown/multi-colored carpet w/ tan adhesive	100		ND	75	25
CTB-EA-CP01-109	A	Brown/multi-colored carpet w/ tan adhesive	100		ND	75	25
CTB-EA-FI01-110	A	Yellow insulation w/ off white wrap	100		ND	95	5
CTB-EA-FI01-111	A	Yellow insulation w/ off white wrap	100		ND	95	5
CTB-EA-FI01-112	A	Yellow insulation w/ off white wrap	100		ND	95	5
CTB-EA-JC01-113	A	White tape	8		ND	95	5
	B	White joint compound	10		ND	0	100
	C	White compound w/ peach paint	12		ND	0	100
	D	Pink/tan drywall	70		ND	15	85

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-JC01-114	A	White tape	8		ND	95	5
	B	White compound w/ peach paint	10		ND	0	100
	C	White joint compound	12		ND	0	100
	D	Pink/tan drywall	70		ND	18	82
CTB-EA-JC01-115	A	White tape	8		ND	95	5
	B	White compound w/ peach paint	10		ND	0	100
	C	White joint compound	10		ND	0	100
	D	Pink/tan drywall	72		ND	18	82
CTB-EA-DW01-116	A	White compound w/ peach/off white paint	30		ND	0	100
	B	Pink/tan drywall	70		ND	20	80
CTB-EA-DW01-117	A	White compound w/ peach/off white paint	12		ND	0	100
	B	Pink/tan drywall	88		ND	15	85

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-DW01-118	A	White texture w/ peach/off white paint	6		ND	0	100
	B	White compound w/ white paint	8		ND	0	100
	C	Pink/tan drywall	86		ND	12	88
CTB-EA-MT01-119	A	Off white adhesive	10		ND	0	100
	B	Brown fiberboard	90		ND	75	25
CTB-EA-MT01-120	A	Green/multi-colored paint	10		ND	0	100
	B	Off white adhesive	10		ND	0	100
	C	Brown fiberboard	80		ND	75	25
CTB-EA-MT01-121	A	Off white adhesive	10		ND	0	100
	B	Brown fiberboard	90		ND	75	25
CTB-EA-MT02-122	A	Colorless/yellow adhesive	15		ND	0	100
	B	Off white/white paint	35		ND	0	100
	C	Blue resinous material	50		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-MT02-123	A	Colorless/yellow adhesive	10		ND	0	100
	B	Off white/white paint	40		ND	0	100
	C	Blue resinous material	50		ND	0	100
CTB-EA-MT02-124	A	Colorless/yellow adhesive	20		ND	0	100
	B	Off white/white paint	25		ND	0	100
	C	Blue resinous material	55		ND	0	100
CTB-EA-FI02-125	A	Tan adhesive	8		ND	0	100
	B	Black felt	25		ND	65	35
	C	Yellow insulation w/ black/brown tar paper	67		ND	70	30
CTB-EA-FI02-126	A	Tan adhesive	7		ND	0	100
	B	Black felt	25		ND	60	40
	C	Yellow insulation w/ blue/brown tar paper	68		ND	75	25

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-FI02-127	A	Tan adhesive	6		ND	0	100
	B	Black felt	28		ND	65	35
	C	Yellow insulation w/ black/brown tar paper	66		ND	70	30
CTB-EA-FD01-128	A	White fibrous material	100	Chrysotile	12	0	84
				Amosite	4		
CTB-EA-FD01-129	A	White fibrous material	100	Chrysotile	12	0	83
				Amosite	5		
CTB-EA-FD01-130	A	White fibrous material	100	Chrysotile	12	0	84
				Amosite	4		
CTB-EA-CK01-131	A	Black caulk	100		ND	0	100
CTB-EA-CK01-132	A	Black caulk	100		ND	0	100
CTB-EA-CK01-133	A	Black caulk	100		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-FT02-134	A	Black mastic	3	Chrysotile	8	0	92
	B	Gray/off white tile	97	Chrysotile	10	0	90
CTB-EA-FT02-135	A	Black mastic	4	Chrysotile	8	0	92
	B	Gray/off white tile	96	Chrysotile	10	0	90
CTB-EA-FT02-136	A	Black mastic	2	Chrysotile	8	0	92
	B	Gray/off white tile	98	Chrysotile	10	0	90
CTB-EA-FI03-137	A	Orange insulation	100		ND	90	10
CTB-B-DI01-138	A	Yellow insulation w/ black resinous material	100		ND	85	15
CTB-B-DI01-139	A	Yellow insulation w/ black resinous material	100		ND	85	15
CTB-B-DI01-140	A	Yellow insulation w/ black resinous material	100		ND	85	15
CTB-B-BG01-141	A	Tan/multi-colored resinous material	5		ND	5	95
	B	Brown fibrous woven material	95		ND	90	10

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-B-BG01-142	A	Off white/multi-colored resinous material	7		ND	5	95
	B	Off white/gray fibrous woven material	93		ND	90	10
CTB-B-BG01-143	A	Off white/multi-colored resinous material	5		ND	5	95
	B	Off white/gray fibrous woven material	95		ND	95	5
CTB-B-BI01-144	A	Tan/off white insulation	100		ND	85	15
CTB-B-BI01-145	A	Tan/off white insulation	100		ND	85	15
CTB-B-BI01-146	A	Tan/off white insulation	100		ND	85	15
CTB-B-WG01-147	A	Tan glazing	100		ND	0	100
CTB-B-WG01-148	A	Tan glazing	100		ND	0	100
CTB-B-WG01-149	A	Tan glazing	100		ND	0	100
CTB-B-MF01-150	A	Off white insulation	100		ND	20	80
CTB-B-MF01-151	A	Off white insulation	100	Chrysotile	15	30	55

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-B-MF01-152	A	Yellow adhesive	7		ND	0	100
	B	Off white insulation	93		ND	40	60
CTB-B-VD01-153	A	Brown/multi-colored fibrous woven material	100		ND	90	10
CTB-B-VD01-154	A	Yellow adhesive	1		ND	0	100
	B	Brown/multi-colored fibrous woven material	99		ND	90	10
CTB-B-VD01-155	A	Yellow adhesive	TR		ND	0	100
	B	Brown/multi-colored fibrous woven material	100		ND	90	10
CTB-B-ST01-156	A	Tan fibrous woven material	2		ND	85	15
	B	Gray paint	5		ND	0	100
	C	Colorless adhesive	8		ND	0	100
	D	Black stair tread	85		ND	0	100

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-B-ST01-157	A	Tan fibrous woven material	3		ND	85	15
	B	Gray/multi-colored paint	5		ND	0	100
	C	Colorless adhesive	8		ND	0	100
	D	Black stair tread	84		ND	0	100
CTB-B-ST01-158	A	Tan fibrous woven material	2		ND	85	15
	B	Gray paint	5		ND	0	100
	C	Colorless adhesive	8		ND	0	100
	D	Black stair tread	85		ND	0	100
CTB-OC-FD01-159	A	Tan fibrous material	5		ND	90	10
	B	Off white fibrous material	95	Chrysotile	6	0	79
CTB-OC-FD01-160				Amosite	15		
	A	Off white fibrous material	100	Chrysotile	6	0	79
				Amosite	15		

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Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-OC-FD01-161	A	Tan granular material	2		ND	0	100
	B	Off white fibrous material	98	Chrysotile	4	0	81
CTB-OC-RM01-162				Amosite	15		
	A	Black tar	10		ND	0	100
	B	Black fibrous tar	25		ND	25	75
	C	Gray fibrous material	30		ND	90	10
CTB-OC-RM01-163	D	Black fibrous tar w/ tan granular material	35		ND	20	80
	A	Black tar w/ tan granular material	45		ND	0	100
	B	Black fibrous tar w/ black granular material	55		ND	25	75
CTB-OC-RM01-164	A	Black tar w/ gray granular material	35		ND	0	100
	B	Black fibrous tar	65		ND	40	60
CTB-OC-PL01-165	A	Black tar	7		ND	0	100
	B	Gray granular plaster	93		ND	0	100
CTB-OC-PL01-166	A	Gray granular plaster w/ gray/multi-colored paint	100		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 456888-1**
 Client: **Weston Solutions, Inc. (CO)**
 Client Project Number / P.O.: **20408.016.003.0764.00**
 Client Project Description: **Crow Tribal Building**
 Date Samples Received: **February 20, 2020**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **Standard**
 Date Samples Analyzed: **February 25, 2020 - February 26, 2020**

ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-OC-PL01-167	A	Tan compound w/ cream/multi-colored paint	30		ND	0	100
	B	Tan granular plaster w/ cream paint	70		ND	0	100
CTB-OC-PL01-168	A	Black tar	1		ND	0	100
	B	White compound w/ cream paint	35		ND	0	100
	C	Tan granular plaster w/ white/multi-colored paint	64		ND	0	100
CTB-OC-PL01-169	A	Tan granular plaster w/ white/multi-colored paint	100		ND	4	96
CTB-OC-PL01-170	A	Tan granular plaster w/ white paint	100		ND	4	96
CTB-OC-PL01-171	A	White compound w/ cream paint	6		ND	0	100
	B	Tan granular plaster w/ white/multi-colored paint	94		ND	4	96
CTB-OC-CM01-172	A	Red brick	15		ND	0	100
	B	Gray granular cementitious material	85		ND	0	100
CTB-OC-CM01-173	A	Gray granular cementitious material	20		ND	0	100
	B	Red brick	80		ND	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 456888-1**
 Client: **Weston Solutions, Inc. (CO)**
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 Method: **EPA 600/R-93/116 - Short Report, Bulk**
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ND=None Detected
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 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-OC-CM01-174	A	Off white fibrous material	3		ND	90	10
	B	Gray granular cementitious material	35		ND	0	100
	C	Red brick	62		ND	0	100
CTB-OC-FL01-175	A	Red/multi-colored brick	100		ND	0	100
CTB-OC-FL01-176	A	Red/multi-colored brick	100		ND	0	100
CTB-OC-FL01-177	A	Red/multi-colored brick	100		ND	0	100
CTB-OC-TF01-178	A	White plaster w/ gray granular material	100		ND	0	100
CTB-OC-TF01-179	A	Gray granular cementitious material	100		ND	0	100
CTB-OC-TF01-180	A	White plaster w/ gray granular material	100		ND	0	100
CTB-OC-DB01-181	A	Black charred insulation	100		ND	18	82
CTB-OC-DB01-182	A	Black charred insulation	100		ND	15	85
CTB-OC-DB01-183	A	Gray charred insulation	100		ND	15	85

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

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 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-OC-FB01-184	A	Gray mortar	15		ND	0	100
	B	Red brick	85		ND	0	100
CTB-OC-FB01-185	A	Gray mortar	40		ND	0	100
	B	Red brick	60		ND	0	100
CTB-OC-FB01-186	A	Gray mortar	45		ND	0	100
	B	Red brick	55		ND	0	100
CTB-OC-RF01-187	A	Black resinous material w/ black tar	15		ND	0	100
	B	Black felt	85	Chrysotile	35	15	50
CTB-OC-RF01-188	A	Black resinous material w/ black tar	10		ND	0	100
	B	Black felt	90	Chrysotile	35	15	50
CTB-OC-RF01-189	A	Black resinous material w/ black tar	15		ND	0	100
	B	Black felt	85	Chrysotile	35	15	50
CTB-EA-FI03-190	A	Tan insulation	100		ND	85	15

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

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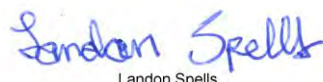
Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-EA-FI03-191	A	Tan insulation	100		ND	85	15

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.



Josh E. Baker

Analyst



Landon Spells

Analyst



Tyler Hutchinson

Analyst



Emily R. Giddens

Analyst



Thomas Harbour

Analyst / Data QA



RES Job #: 456888

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: WESTON SOLUTIONS, INC. (CO)	Company: WESTON SOLUTIONS, INC. (CO)	Contact: MICHAEL CHERNY	-1 PLM STANDARD
Address: 1435 GARRISON ST. STE. 100	Address: 1435 GARRISON ST. STE. 100	Phone: (720) 206-8724	-2 TEM STANDARD
		Fax:	-3 PLM STANDARD
LAKEWOOD, CO 80215	LAKEWOOD, CO 80215	Cell:	
Project Number and/or P.O. #: 20408.016.003.0764.00		Final Data Deliverable Email Address:	
Project Description/Location: CROW TRIBAL BUILDING		MICHAEL.CHERNY@MECX.NET (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm					REQUESTED ANALYSIS					VALID MATRIX CODES					LAB NOTES
[PLM] / [PCM] / [TEM] DTL RUSH PRIORITY [STANDARD]					[PLM] - Short Report [TEM] - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipes (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Certified Waste Water, Drinking Water, Bulk +/- PCM - 7400A, 7400B, OSHA DUST - Total, Respirable METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan ORGANICS - Methamphetamine, TSS Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E. coli O157-H7, E. coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E. coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (w/o ID, w/ID), Enterococcus (+/- or Quantification) MEDICAL - Bioburden, LAL MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B							
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm						Dust = D		Food = F							
Dust RUSH PRIORITY STANDARD						Paint = P		Soil = S							
Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT						Surface = SU		Swab = SW							
						Tape = T		Wipe = W							
Organics* SAME DAY RUSH PRIORITY STANDARD						Drinking Water = DW									
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm						Waste Water = WW									
Viable Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH						**ASTM E1792 approved wipe media only**									
Medical Device Analysis RUSH STANDARD															
Mold Analysis RUSH PRIORITY STANDARD															
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.															
Special Instructions:															
Client Sample ID Number (Sample ID's must be unique)						ASBESTOS	CHEMISTRY	MICROBIOLOGY		Laboratory Analysis Instructions					
1 [CTB-TA-CT01-001]					[X]				[B]		[02/13/20]				
2 [CTB-TA-CT01-002]					[X]				[B]		[02/13/20]				
3 [CTB-TA-CT01-003]					[X]				[B]		[02/13/20]				
4 [CTB-TA-FT01-004]					[X]				[B]		[02/13/20]				
5 [CTB-TA-FT01-005]					[X]				[B]		[02/13/20]				
6 [CTB-TA-FT01-006]					[X]				[B]		[02/13/20]				
7 [CTB-TA-CP01-007]					[X]				[B]		[02/13/20]				
8 [CTB-TA-CP01-008]					[X]				[B]		[02/13/20]				
9 [CTB-TA-CP01-009]					[X]				[B]		[02/13/20]				
10 [CTB-TA-CP02-010]					[X]				[B]		[02/13/20]				
11 [CTB-TA-CP02-011]					[X]				[B]		[02/13/20]				
12 [CTB-TA-CP02-012]					[X]				[B]		[02/13/20]				
13 [CTB-TA-CP03-013]					[X]				[B]	[02/13/20]					


REI will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		MICHAEL CHERNY	Date/Time: 02/18/2020 16:22:03	Sample Condition: ACCEPTABLE
Received By:		SIMONNE ORNELAS	Date/Time: 02/20/2020 10:59:25	Carrier: FED-EX



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES								
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B	Dust = D	Food = F	Paint = P	Soil = S	Surface = SU	Swab = SW	Tape = T	Wipe = W	Drinking Water = DW	Waste Water = WW	**ASTM E1792 approved wipe media only**
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions												
14	CTB-TA-CP03-014			X					B		02/13/20														
15	CTB-TA-CP03-015			X					B		02/13/20														
16	CTB-TA-FI01-016			X					B		02/13/20														
17	CTB-TA-FI01-017			X					B		02/13/20														
18	CTB-TA-FI01-018			X					B		02/13/20														
19	CTB-TA-FT02-019			X					B		02/13/20														
20	CTB-TA-FT02-020			X					B		02/13/20														
21	CTB-TA-FT02-021			X					B		02/13/20														
22	CTB-TA-FI02-022			X					B		02/13/20														
23	CTB-TA-FI02-023			X					B		02/13/20														
24	CTB-TA-FI02-024			X					B		02/13/20														
25	CTB-TA-LI01-025			X					B		02/13/20														
26	CTB-TA-LI01-026			X					B		02/13/20														
27	CTB-TA-LI01-027			X					B		02/13/20														
28	CTB-TA-CK01-028			X					B		02/13/20														
29	CTB-TA-CK01-029			X					B		02/13/20														
30	CTB-TA-CK01-030			X					B		02/13/20														
31	CTB-DW-CT01-031			X					B		02/13/20														
32	CTB-DW-CT01-032			X					B		02/13/20														
33	CTB-DW-CT01-033			X					B		02/13/20														
34	CTB-DW-CP01-034			X					B		02/13/20														
35	CTB-DW-CP01-035			X					B		02/13/20														
36	CTB-DW-CP01-036			X					B		02/13/20														
37	CTB-DW-FI01-037			X					B		02/13/20														
38	CTB-DW-FI01-038			X					B		02/13/20														
39	CTB-DW-FI01-039			X					B		02/13/20														
40	CTB-DW-CK01-040			X					B		02/13/20														
41	CTB-DW-CK01-041			X					B		02/13/20														
42	CTB-DW-CK01-042			X					B		02/13/20														
43	CTB-DW-BM01-043			X					B		02/13/20														



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
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													Paint = P		Soil = S																				
													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number		ASBESTOS		CHEMISTRY		MICROBIOLOGY												Laboratory Analysis Instructions																	
(Sample ID's must be unique)																																			
44	CTB-DW-BM01-044	X													B		02/13/20																		
45	CTB-DW-BM01-045	X													B		02/13/20																		
46	CTB-DW-CF01-046	X													B		02/13/20																		
47	CTB-DW-CF01-047	X													B		02/13/20																		
48	CTB-DW-CF01-048	X													B		02/13/20																		
49	CTB-DW-JC01-049	X													B		02/13/20																		
50	CTB-DW-JC01-050	X													B		02/13/20																		
51	CTB-DW-JC01-051	X													B		02/13/20																		
52	CTB-DW-DW01-052	X													B		02/13/20																		
53	CTB-DW-DW01-053	X													B		02/13/20																		
54	CTB-DW-DW01-054	X													B		02/13/20																		
55	CTB-DW-DW01-055	X													B		02/13/20																		
56	CTB-DW-DW01-056	X													B		02/13/20																		
57	CTB-DW-DW01-057	X													B		02/13/20																		
58	CTB-DW-DW01-058	X													B		02/13/20																		
59	CTB-NA-SF01-059	X													B		02/13/20																		
60	CTB-NA-SF01-060	X													B		02/13/20																		
61	CTB-NA-SF01-061	X													B		02/13/20																		
62	CTB-NA-CB01-062	X													B		02/13/20																		
63	CTB-NA-CB01-063	X													B		02/13/20																		
64	CTB-NA-CB01-064	X													B		02/13/20																		
65	CTB-NA-MT01-065	X													B		02/13/20																		
66	CTB-NA-MT01-066	X													B		02/13/20																		
67	CTB-NA-MT01-067	X													B		02/13/20																		
68	CTB-NA-LC01-068	X													B		02/13/20																		
69	CTB-NA-LC01-069	X													B		02/13/20																		
70	CTB-NA-LC01-070	X													B		02/13/20																		
71	CTB-NA-FI01-071	X													B		02/13/20																		
72	CTB-NA-FI01-072	X													B		02/13/20																		
73	CTB-NA-FI01-073	X													B		02/13/20																		



P: (303) 964-1986
F: (303) 477-4275


5801 Logan St, Suite 100, Denver, CO 80216
Page 4 of 8

1-866-RESI-ENV
www.reilab.com



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																			
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													Surface = SU		Swab = SW																			
													Tape = T		Wipe = W																			
													Drinking Water = DW																					
													Waste Water = WW																					
													ASTM E1792 approved wipe media only																					
Client Sample ID Number		(Sample ID's must be unique)										Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions																
ASBESTOS		CHEMISTRY																																
MICROBIOLOGY																																		
104	CTB-EA-LF01-104	X												B		02/13/20																		
105	CTB-EA-LF01-105	X												B		02/13/20																		
106	CTB-EA-LF01-106	X												B		02/13/20																		
107	CTB-EA-CP01-107	X												B		02/13/20																		
108	CTB-EA-CP01-108	X												B		02/13/20																		
109	CTB-EA-CP01-109	X												B		02/13/20																		
110	CTB-EA-FI01-110	X												B		02/13/20																		
111	CTB-EA-FI01-111	X												B		02/13/20																		
112	CTB-EA-FI01-112	X												B		02/13/20																		
113	CTB-EA-JC01-113	X												B		02/13/20																		
114	CTB-EA-JC01-114	X												B		02/13/20																		
115	CTB-EA-JC01-115	X												B		02/13/20																		
116	CTB-EA-DW01-116	X												B		02/13/20																		
117	CTB-EA-DW01-117	X												B		02/13/20																		
118	CTB-EA-DW01-118	X												B		02/13/20																		
119	CTB-EA-MT01-119	X												B		02/13/20																		
120	CTB-EA-MT01-120	X												B		02/13/20																		
121	CTB-EA-MT01-121	X												B		02/13/20																		
122	CTB-EA-MT02-122	X												B		02/13/20																		
123	CTB-EA-MT02-123	X												B		02/13/20																		
124	CTB-EA-MT02-124	X												B		02/13/20																		
125	CTB-EA-FI02-125	X												B		02/13/20																		
126	CTB-EA-FI02-126	X												B		02/13/20																		
127	CTB-EA-FI02-127	X												B		02/13/20																		
128	CTB-EA-FD01-128	X												B		02/13/20																		
129	CTB-EA-FD01-129	X												B		02/13/20																		
130	CTB-EA-FD01-130	X												B		02/13/20																		
131	CTB-EA-CK01-131	X												B		02/13/20																		
132	CTB-EA-CK01-132	X												B		02/13/20																		
133	CTB-EA-CK01-133	X												B		02/13/20																		



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A Bulk = B Dust = D Food = F Paint = P Soil = S Surface = SU Swab = SW Tape = T Wipe = W Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**						
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions						
134	CTB-EA-FT02-134			X					B		02/13/20								
135	CTB-EA-FT02-135			X					B		02/13/20								
136	CTB-EA-FT02-136			X					B		02/13/20								
137	CTB-EA-FI03-137			X					B		02/13/20								
138	CTB-B-DI01-138			X					B		02/13/20								
139	CTB-B-DI01-139			X					B		02/13/20								
140	CTB-B-DI01-140			X					B		02/13/20								
141	CTB-B-BG01-141			X					B		02/13/20								
142	CTB-B-BG01-142			X					B		02/13/20								
143	CTB-B-BG01-143			X					B		02/13/20								
144	CTB-B-BI01-144			X					B		02/13/20								
145	CTB-B-BI01-145			X					B		02/13/20								
146	CTB-B-BI01-146			X					B		02/13/20								
147	CTB-B-WG01-147			X					B		02/13/20								
148	CTB-B-WG01-148			X					B		02/13/20								
149	CTB-B-WG01-149			X					B		02/13/20								
150	CTB-B-MF01-150			X					B		02/13/20								
151	CTB-B-MF01-151			X					B		02/13/20								
152	CTB-B-MF01-152			X					B		02/13/20								
153	CTB-B-VD01-153			X					B		02/13/20								
154	CTB-B-VD01-154			X					B		02/13/20								
155	CTB-B-VD01-155			X					B		02/13/20								
156	CTB-B-ST01-156			X					B		02/13/20								
157	CTB-B-ST01-157			X					B		02/13/20								
158	CTB-B-ST01-158			X					B		02/13/20								
159	CTB-OC-FD01-159			X					B		02/13/20								
160	CTB-OC-FD01-160			X					B		02/13/20								
161	CTB-OC-FD01-161			X					B		02/13/20								
162	CTB-OC-RM01-162			X					B		02/13/20								
163	CTB-OC-RM01-163			X					B		02/13/20								



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES					
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (wo/ID, w/ID), Enterococcus (+/- or Quantification)	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B		LABORATORY ANALYSIS INSTRUCTIONS				
												Dust = D		Food = F							
												Paint = P		Soil = S							
												Surface = SU		Swab = SW							
												Tape = T		Wipe = W							
												Drinking Water = DW									
												Waste Water = WW									
												ASTM E1792 approved wipe media only									
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm									
164	CTB-OC-RM01-164			X					B		02/13/20										
165	CTB-OC-PL01-165			X					B		02/13/20										
166	CTB-OC-PL01-166			X					B		02/13/20										
167	CTB-OC-PL01-167			X					B		02/13/20										
168	CTB-OC-PL01-168			X					B		02/13/20										
169	CTB-OC-PL01-169			X					B		02/13/20										
170	CTB-OC-PL01-170			X					B		02/13/20										
171	CTB-OC-PL01-171			X					B		02/13/20										
172	CTB-OC-CM01-172			X					B		02/13/20										
173	CTB-OC-CM01-173			X					B		02/13/20										
174	CTB-OC-CM01-174			X					B		02/13/20										
175	CTB-OC-FL01-175			X					B		02/13/20										
176	CTB-OC-FL01-176			X					B		02/13/20										
177	CTB-OC-FL01-177			X					B		02/13/20										
178	CTB-OC-TF01-178			X					B		02/13/20										
179	CTB-OC-TF01-179			X					B		02/13/20										
180	CTB-OC-TF01-180			X					B		02/13/20										
181	CTB-OC-DB01-181			X					B		02/13/20										
182	CTB-OC-DB01-182			X					B		02/13/20										
183	CTB-OC-DB01-183			X					B		02/13/20										
184	CTB-OC-FB01-184			X					B		02/13/20										
185	CTB-OC-FB01-185			X					B		02/13/20										
186	CTB-OC-FB01-186			X					B		02/13/20										
187	CTB-OC-RF01-187			X					B		02/13/20										
188	CTB-OC-RF01-188			X					B		02/13/20										
189	CTB-OC-RF01-189			X					B		02/13/20										
190	CTB-EA-FI03-190			X					B		02/13/20										
191	CTB-EA-FI03-191			X					B		02/13/20										
192	CTB-WP-01		X				100CM²		W		02/13/20										
193	CTB-WP-02		X				100CM²		W		02/13/20										



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Reservoirs Environmental, Inc.

Res Job#:

456888

Submitted By:

WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number	REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES	
	ASBESTOS	CHEMISTRY	MICROBIOLOGY	PLM - Short Report, Long Report, CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (wo/D, w/D), Enterococcus (+/- or Quantification)	MEDICAL - Bidsburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B	Laboratory Analysis Instructions	
													Dust = D	Food = F		
													Paint = P	Soil = S		
Surface = SU	Swab = SW															
Tape = T	Wipe = W															
Drinking Water = DW																
Waste Water = WW																
ASTM E1792 approved wipe media only																
Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm											
194 CTB-WP-03		X											100CM²	W	02/13/20	
195 CTB-WP-04		X											100CM²	W	02/13/20	
196 CTB-WP-05		X											100CM²	W	02/13/20	
197 CTB-WP-06		X											100CM²	W	02/13/20	
198 CTB-BLNK		X											100CM²	W	02/13/20	
199 CTB-C-SO01	X													S	02/13/20	
200 CTB-C-SO02	X													S	02/13/20	
201 CTB-C-SO03	X													S	02/13/20	
202 CTB-C-SO04	X													S	02/13/20	
203 CTB-C-SO05	X													S	02/13/20	
204 CTB-C-SO91	X													S	02/13/20	



February 26, 2020

Subcontractor Number:

Laboratory Report: RES 456888-2

Project #/P.O. #: 20408.016.003.0764.00

Project Description: Crow Tribal Building

Michael Cherny
Weston Solutions, Inc. (CO)
1435 Garrison St. Ste. 100
Lakewood CO 80215

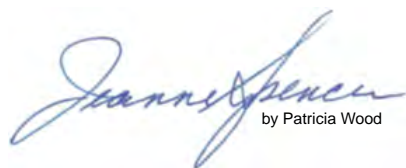
Dear Michael,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 456888-2 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Patricia Wood

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL, INC

NVLAP Lab Code 101896-0
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE: I ANALYSIS: TEM QUALITATIVE PRESENCE/ABSENCE ANALYSIS

RES Job Number: **RES 456888-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project/P.O.: **20408.016.003.0764.00**
Client Project Description: **Crow Tribal Building**
Date Samples Received: **February 20, 2020**
Analysis Type: **ASTM 6480 - M Qual. Presence/Absence**
Turnaround: **Standard**
Date Samples Analyzed: **February 26, 2020**

NA = Not Analyzed
NR = Not Received
ND = None Detected
TR = Trace; <1 % Visual Estimate
Trem-Act = Tremolite-Actinolite
BAS = Below Analytical Sensitivity
BRL = Below Reporting Limit
CBR = Cannot Be Read

Client ID Number	Asbestos Minerals Present
CTB-WP-01	Chrysotile
CTB-WP-02	Chrysotile
CTB-WP-03	Chrysotile
CTB-WP-04	ND
CTB-WP-05	ND
CTB-WP-06	Chrysotile
CTB-BLNK	NA

Present = One or More Fibers Identified in up to Four Scanned Grid Openings

ND = No Fibers Detected in Four Scanned Grid Openings



Matthew Barr

Analyst



Patricia Wood

Analyst/Data QA



RES Job #: 456888

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: WESTON SOLUTIONS, INC. (CO)	Company: WESTON SOLUTIONS, INC. (CO)	Contact: MICHAEL CHERNY	-1 PLM STANDARD
Address: 1435 GARRISON ST. STE. 100	Address: 1435 GARRISON ST. STE. 100	Phone: (720) 206-8724	-2 TEM STANDARD
		Fax:	-3 PLM STANDARD
LAKEWOOD, CO 80215	LAKEWOOD, CO 80215	Cell:	
Project Number and/or P.O. #: 20408.016.003.0764.00		Final Data Deliverable Email Address:	
Project Description/Location: CROW TRIBAL BUILDING		MICHAEL.CHERNY@MECX.NET (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm				REQUESTED ANALYSIS				VALID MATRIX CODES				LAB NOTES
PLM / PCM / TEM	DTL	RUSH	PRIORITY	STANDARD				Air = A	Bulk = B			
								Dust = D	Food = F			
								Paint = P	Soil = S			
								Surface = SU	Swab = SW			
								Tape = T	Wipe = W			
								Drinking Water = DW				
								Waste Water = WW				
								ASTM E1792 approved wipe media only				
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm												
Dust	RUSH	PRIORITY	STANDARD									
Metals	RUSH	PRIORITY	STANDARD									
Organics*	SAME DAY	RUSH	PRIORITY	STANDARD								
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm												
Viable Analysis**	PRIORITY	STANDARD										
Medical Device Analysis	RUSH	STANDARD										
Mold Analysis	RUSH	PRIORITY	STANDARD									
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.												
Special Instructions:												
Client Sample ID Number (Sample ID's must be unique)												
1 CTB-TA-CT01-001												
2 CTB-TA-CT01-002												
3 CTB-TA-CT01-003												
4 CTB-TA-FT01-004												
5 CTB-TA-FT01-005												
6 CTB-TA-FT01-006												
7 CTB-TA-CP01-007												
8 CTB-TA-CP01-008												
9 CTB-TA-CP01-009												
10 CTB-TA-CP02-010												
11 CTB-TA-CP02-011												
12 CTB-TA-CP02-012												
13 CTB-TA-CP03-013												


REI will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:		MICHAEL CHERNY	Date/Time: 02/18/2020 16:22:03	Sample Condition: ACCEPTABLE
Received By:		SIMONNE ORNELAS	Date/Time: 02/20/2020 10:59:25	Carrier: FED-EX



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
													Dust = D		Food = F																				
													Paint = P		Soil = S																				
													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number																		Laboratory Analysis Instructions																	



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES								
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B	Dust = D	Food = F	Paint = P	Soil = S	Surface = SU	Swab = SW	Tape = T	Wipe = W	Drinking Water = DW	Waste Water = WW	**ASTM E1792 approved wipe media only**
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions												
44	CTB-DW-BM01-044			X										B		02/13/20									
45	CTB-DW-BM01-045			X										B		02/13/20									
46	CTB-DW-CF01-046			X										B		02/13/20									
47	CTB-DW-CF01-047			X										B		02/13/20									
48	CTB-DW-CF01-048			X										B		02/13/20									
49	CTB-DW-JC01-049			X										B		02/13/20									
50	CTB-DW-JC01-050			X										B		02/13/20									
51	CTB-DW-JC01-051			X										B		02/13/20									
52	CTB-DW-DW01-052			X										B		02/13/20									
53	CTB-DW-DW01-053			X										B		02/13/20									
54	CTB-DW-DW01-054			X										B		02/13/20									
55	CTB-DW-DW01-055			X										B		02/13/20									
56	CTB-DW-DW01-056			X										B		02/13/20									
57	CTB-DW-DW01-057			X										B		02/13/20									
58	CTB-DW-DW01-058			X										B		02/13/20									
59	CTB-NA-SF01-059			X										B		02/13/20									
60	CTB-NA-SF01-060			X										B		02/13/20									
61	CTB-NA-SF01-061			X										B		02/13/20									
62	CTB-NA-CB01-062			X										B		02/13/20									
63	CTB-NA-CB01-063			X										B		02/13/20									
64	CTB-NA-CB01-064			X										B		02/13/20									
65	CTB-NA-MT01-065			X										B		02/13/20									
66	CTB-NA-MT01-066			X										B		02/13/20									
67	CTB-NA-MT01-067			X										B		02/13/20									
68	CTB-NA-LC01-068			X										B		02/13/20									
69	CTB-NA-LC01-069			X										B		02/13/20									
70	CTB-NA-LC01-070			X										B		02/13/20									
71	CTB-NA-FI01-071			X										B		02/13/20									
72	CTB-NA-FI01-072			X										B		02/13/20									
73	CTB-NA-FI01-073			X										B		02/13/20									



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number (Sample ID's must be unique)		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions
74	CTB-NA-DI01-074	X													B		02/13/20		
75	CTB-NA-DI01-075	X													B		02/13/20		
76	CTB-NA-DI01-076	X													B		02/13/20		
77	CTB-NA-CP01-077	X													B		02/13/20		
78	CTB-NA-CP01-078	X													B		02/13/20		
79	CTB-NA-CP01-079	X													B		02/13/20		
80	CTB-NA-CP02-080	X													B		02/13/20		
81	CTB-NA-CP02-081	X													B		02/13/20		
82	CTB-NA-CP02-082	X													B		02/13/20		
83	CTB-NA-CB02-083	X													B		02/13/20		
84	CTB-NA-CB02-084	X													B		02/13/20		
85	CTB-NA-CB02-085	X													B		02/13/20		
86	CTB-NA-FT01-086	X													B		02/13/20		
87	CTB-NA-FT01-087	X													B		02/13/20		
88	CTB-NA-FT01-088	X													B		02/13/20		
89	CTB-NA-MT02-089	X													B		02/13/20		
90	CTB-NA-MT02-090	X													B		02/13/20		
91	CTB-NA-MT02-091	X													B		02/13/20		
92	CTB-NA-MT03-092	X													B		02/13/20		
93	CTB-NA-MT03-093	X													B		02/13/20		
94	CTB-NA-MT03-094	X													B		02/13/20		
95	CTB-NA-CK01-095	X													B		02/13/20		
96	CTB-NA-CK01-096	X													B		02/13/20		
97	CTB-NA-CK01-097	X													B		02/13/20		
98	CTB-EA-CT01-098	X													B		02/13/20		
99	CTB-EA-CT01-099	X													B		02/13/20		
100	CTB-EA-CT01-100	X													B		02/13/20		
101	CTB-EA-FT01-101	X													B		02/13/20		
102	CTB-EA-FT01-102	X													B		02/13/20		
103	CTB-EA-FT01-103	X													B		02/13/20		



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number <small>(Sample ID's must be unique)</small>		REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES					
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A Dust = D Paint = P Surface = SU Tape = T Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**	Bulk = B Food = F Soil = S Swab = SW Wipe = W							
		ASBESTOS		CHEMISTRY		MICROBIOLOGY		Sample Volume (L) / Area		Length (or Aliquots) x Width (or Area per Aliquot)		Matrix Code		# of Containers		Date Collected mm/dd/yy		Time Collected hh:mm		Laboratory Analysis Instructions	
104	CTB-EA-LF01-104	X										B				02/13/20					
105	CTB-EA-LF01-105	X										B				02/13/20					
106	CTB-EA-LF01-106	X										B				02/13/20					
107	CTB-EA-CP01-107	X										B				02/13/20					
108	CTB-EA-CP01-108	X										B				02/13/20					
109	CTB-EA-CP01-109	X										B				02/13/20					
110	CTB-EA-FI01-110	X										B				02/13/20					
111	CTB-EA-FI01-111	X										B				02/13/20					
112	CTB-EA-FI01-112	X										B				02/13/20					
113	CTB-EA-JC01-113	X										B				02/13/20					
114	CTB-EA-JC01-114	X										B				02/13/20					
115	CTB-EA-JC01-115	X										B				02/13/20					
116	CTB-EA-DW01-116	X										B				02/13/20					
117	CTB-EA-DW01-117	X										B				02/13/20					
118	CTB-EA-DW01-118	X										B				02/13/20					
119	CTB-EA-MT01-119	X										B				02/13/20					
120	CTB-EA-MT01-120	X										B				02/13/20					
121	CTB-EA-MT01-121	X										B				02/13/20					
122	CTB-EA-MT02-122	X										B				02/13/20					
123	CTB-EA-MT02-123	X										B				02/13/20					
124	CTB-EA-MT02-124	X										B				02/13/20					
125	CTB-EA-FI02-125	X										B				02/13/20					
126	CTB-EA-FI02-126	X										B				02/13/20					
127	CTB-EA-FI02-127	X										B				02/13/20					
128	CTB-EA-FD01-128	X										B				02/13/20					
129	CTB-EA-FD01-129	X										B				02/13/20					
130	CTB-EA-FD01-130	X										B				02/13/20					
131	CTB-EA-CK01-131	X										B				02/13/20					
132	CTB-EA-CK01-132	X										B				02/13/20					
133	CTB-EA-CK01-133	X										B				02/13/20					



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
													Dust = D		Food = F																				
													Paint = P		Soil = S																				
													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS		CHEMISTRY		MICROBIOLOGY		Sample Volume (L) / Area		Length (or Aliquots) x Width (or Area per Aliquot)		Matrix Code		# of Containers		Date Collected mm/dd/yy		Time Collected hh:mm		Laboratory Analysis Instructions													
134	CTB-EA-FT02-134			X										B				02/13/20																	
135	CTB-EA-FT02-135			X										B				02/13/20																	
136	CTB-EA-FT02-136			X										B				02/13/20																	
137	CTB-EA-FI03-137			X										B				02/13/20																	
138	CTB-B-DI01-138			X										B				02/13/20																	
139	CTB-B-DI01-139			X										B				02/13/20																	
140	CTB-B-DI01-140			X										B				02/13/20																	
141	CTB-B-BG01-141			X										B				02/13/20																	
142	CTB-B-BG01-142			X										B				02/13/20																	
143	CTB-B-BG01-143			X										B				02/13/20																	
144	CTB-B-BI01-144			X										B				02/13/20																	
145	CTB-B-BI01-145			X										B				02/13/20																	
146	CTB-B-BI01-146			X										B				02/13/20																	
147	CTB-B-WG01-147			X										B				02/13/20																	
148	CTB-B-WG01-148			X										B				02/13/20																	
149	CTB-B-WG01-149			X										B				02/13/20																	
150	CTB-B-MF01-150			X										B				02/13/20																	
151	CTB-B-MF01-151			X										B				02/13/20																	
152	CTB-B-MF01-152			X										B				02/13/20																	
153	CTB-B-VD01-153			X										B				02/13/20																	
154	CTB-B-VD01-154			X										B				02/13/20																	
155	CTB-B-VD01-155			X										B				02/13/20																	
156	CTB-B-ST01-156			X										B				02/13/20																	
157	CTB-B-ST01-157			X										B				02/13/20																	
158	CTB-B-ST01-158			X										B				02/13/20																	
159	CTB-OC-FD01-159			X										B				02/13/20																	
160	CTB-OC-FD01-160			X										B				02/13/20																	
161	CTB-OC-FD01-161			X										B				02/13/20																	
162	CTB-OC-RM01-162			X										B				02/13/20																	
163	CTB-OC-RM01-163			X										B				02/13/20																	



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number		REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES									
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A Dust = D Paint = P Surface = SU Tape = T Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**	Bulk = B Food = F Soil = S Swab = SW Wipe = W	Laboratory Analysis Instructions
(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm					
164	CTB-OC-RM01-164	X					B		02/13/20						
165	CTB-OC-PL01-165	X					B		02/13/20						
166	CTB-OC-PL01-166	X					B		02/13/20						
167	CTB-OC-PL01-167	X					B		02/13/20						
168	CTB-OC-PL01-168	X					B		02/13/20						
169	CTB-OC-PL01-169	X					B		02/13/20						
170	CTB-OC-PL01-170	X					B		02/13/20						
171	CTB-OC-PL01-171	X					B		02/13/20						
172	CTB-OC-CM01-172	X					B		02/13/20						
173	CTB-OC-CM01-173	X					B		02/13/20						
174	CTB-OC-CM01-174	X					B		02/13/20						
175	CTB-OC-FL01-175	X					B		02/13/20						
176	CTB-OC-FL01-176	X					B		02/13/20						
177	CTB-OC-FL01-177	X					B		02/13/20						
178	CTB-OC-TF01-178	X					B		02/13/20						
179	CTB-OC-TF01-179	X					B		02/13/20						
180	CTB-OC-TF01-180	X					B		02/13/20						
181	CTB-OC-DB01-181	X					B		02/13/20						
182	CTB-OC-DB01-182	X					B		02/13/20						
183	CTB-OC-DB01-183	X					B		02/13/20						
184	CTB-OC-FB01-184	X					B		02/13/20						
185	CTB-OC-FB01-185	X					B		02/13/20						
186	CTB-OC-FB01-186	X					B		02/13/20						
187	CTB-OC-RF01-187	X					B		02/13/20						
188	CTB-OC-RF01-188	X					B		02/13/20						
189	CTB-OC-RF01-189	X					B		02/13/20						
190	CTB-EA-FI03-190	X					B		02/13/20						
191	CTB-EA-FI03-191	X					B		02/13/20						
192	CTB-WP-01		X				100CM²	W	02/13/20						
193	CTB-WP-02		X				100CM²	W	02/13/20						



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number <small>(Sample ID's must be unique)</small>	REQUESTED ANALYSIS						VALID MATRIX CODES						LAB NOTES	
	PLM - <input type="checkbox"/> Short Report <input checked="" type="checkbox"/> Long Report <input type="checkbox"/> CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipes (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (wo/D, w/D), Enterococcus (+/- or Quantification)	MEDICAL - Biddenden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	VALID MATRIX CODES				LAB NOTES
										Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	
	ASBESTOS	CHEMISTRY	MICROBIOLOGY										Laboratory Analysis Instructions	
194 CTB-WP-03		X								100CM²	W		02/13/20	
195 CTB-WP-04		X								100CM²	W		02/13/20	
196 CTB-WP-05		X								100CM²	W		02/13/20	
197 CTB-WP-06		X								100CM²	W		02/13/20	
198 CTB-BLNK		X								100CM²	W		02/13/20	
199 CTB-C-SO01	X										S		02/13/20	
200 CTB-C-SO02	X										S		02/13/20	
201 CTB-C-SO03	X										S		02/13/20	
202 CTB-C-SO04	X										S		02/13/20	
203 CTB-C-SO05	X										S		02/13/20	
204 CTB-C-SO91	X										S		02/13/20	



February 26, 2020

Subcontractor Number:

Laboratory Report: RES 456888-3

Project #/P.O. #: 20408.016.003.0764.00

Project Description: Crow Tribal Building

Michael Cherny
Weston Solutions, Inc. (CO)
1435 Garrison St. Ste. 100
Lakewood CO 80215

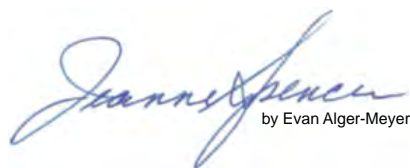
Dear Michael,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 456888-3 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,



by Evan Alger-Meyer

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 456888-3**
 Client: **Weston Solutions, Inc. (CO)**
 Client Project Number / P.O.: **20408.016.003.0764.00**
 Client Project Description: **Crow Tribal Building**
 Date Samples Received: **February 20, 2020**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **Standard**
 Date Samples Analyzed: **February 26, 2020**

ND=None Detected
 TR=Trace, <1% Visual Estimate
 Trem/Act=Tremolite/Actinolite

Client Sample Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non- Fibrous Components (%)
				Mineral	Visual Estimate (%)		
CTB-C-SO01	A	Brown soil	100		ND	TR	100
CTB-C-SO02	A	Brown soil	100		ND	6	94
CTB-C-SO03	A	White compound	TR		ND	TR	100
	B	Brown soil w/ brown rock fragments	100		ND	5	95
CTB-C-SO04	A	Tan soil	100		ND	TR	100
CTB-C-SO05	A	Tan soil	100		ND	3	97
CTB-C-SO91	A	Brown soil	100		ND	TR	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.



Evan Alger-Meyer

Analyst / Data QA



RES Job #: 456888


SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: WESTON SOLUTIONS, INC. (CO)	Company: WESTON SOLUTIONS, INC. (CO)	Contact: MICHAEL CHERNY	-1 PLM STANDARD
Address: 1435 GARRISON ST. STE. 100	Address: 1435 GARRISON ST. STE. 100	Phone: (720) 206-8724	-2 TEM STANDARD
		Fax:	-3 PLM STANDARD
LAKEWOOD, CO 80215	LAKEWOOD, CO 80215	Cell:	
Project Number and/or P.O. #: 20408.016.003.0764.00		Final Data Deliverable Email Address:	
Project Description/Location: CROW TRIBAL BUILDING		MICHAEL.CHERNY@MECX.NET (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm					REQUESTED ANALYSIS					VALID MATRIX CODES					LAB NOTES
[PLM] / [PCM] / [TEM] DTL RUSH PRIORITY [STANDARD]					<div>PLM - Short Report</div> <div>Long Report</div> <div>CARB 435</div> <div>TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipes (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 10312, ISO 13794, Certified Waste Water, Drinking Water, Bulk +/-</div> <div>PCM - 7400A, 7400B, OSHA</div> <div>DUST - Total, Respirable</div> <div>METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan</div> <div>ORGANICS - Methamphetamine, TSS</div> <div>Viabiles</div> <div>Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E. coli O157-H7, E. coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E. coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (w/o ID, w/ID), Enterococcus (+/- or Quantification)</div> <div>MEDICAL - Bioburden, LAL</div> <div>MOLD - Spore Trap, Bulk Mold, Particulate Identification</div>	Air = A		Bulk = B		<div>Laboratory Analysis Instructions</div>					
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm						Dust = D		Food = F							
Dust RUSH PRIORITY STANDARD						Paint = P		Soil = S							
Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT						Surface = SU		Swab = SW							
Organics* SAME DAY RUSH PRIORITY STANDARD						Tape = T		Wipe = W							
MICROBIOLOGY LABORATORY HOURS: Weekdays: 8am - 5pm						Drinking Water = DW									
Viable Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH						Waste Water = WW									
Medical Device Analysis RUSH STANDARD						**ASTM E1792 approved wipe media only**									
Mold Analysis RUSH PRIORITY STANDARD															
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.															
Special Instructions:															
Client Sample ID Number (Sample ID's must be unique)						ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length(or Aliquots) x Width(or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	
1 CTB-TA-CT01-001						X					B		02/13/20		
2 CTB-TA-CT01-002					X					B		02/13/20			
3 CTB-TA-CT01-003					X					B		02/13/20			
4 CTB-TA-FT01-004					X					B		02/13/20			
5 CTB-TA-FT01-005					X					B		02/13/20			
6 CTB-TA-FT01-006					X					B		02/13/20			
7 CTB-TA-CP01-007					X					B		02/13/20			
8 CTB-TA-CP01-008					X					B		02/13/20			
9 CTB-TA-CP01-009					X					B		02/13/20			
10 CTB-TA-CP02-010					X					B		02/13/20			
11 CTB-TA-CP02-011					X					B		02/13/20			
12 CTB-TA-CP02-012					X					B		02/13/20			
13 CTB-TA-CP03-013					X					B		02/13/20			



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
													Dust = D		Food = F																				
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													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number		(Sample ID's must be unique)										Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions																	
ASBESTOS		CHEMISTRY																																	
MICROBIOLOGY																																			
14	CTB-TA-CP03-014	X												B		02/13/20																			
15	CTB-TA-CP03-015	X												B		02/13/20																			
16	CTB-TA-FI01-016	X												B		02/13/20																			
17	CTB-TA-FI01-017	X												B		02/13/20																			
18	CTB-TA-FI01-018	X												B		02/13/20																			
19	CTB-TA-FT02-019	X												B		02/13/20																			
20	CTB-TA-FT02-020	X												B		02/13/20																			
21	CTB-TA-FT02-021	X												B		02/13/20																			
22	CTB-TA-FI02-022	X												B		02/13/20																			
23	CTB-TA-FI02-023	X												B		02/13/20																			
24	CTB-TA-FI02-024	X												B		02/13/20																			
25	CTB-TA-LI01-025	X												B		02/13/20																			
26	CTB-TA-LI01-026	X												B		02/13/20																			
27	CTB-TA-LI01-027	X												B		02/13/20																			
28	CTB-TA-CK01-028	X												B		02/13/20																			
29	CTB-TA-CK01-029	X												B		02/13/20																			
30	CTB-TA-CK01-030	X												B		02/13/20																			
31	CTB-DW-CT01-031	X												B		02/13/20																			
32	CTB-DW-CT01-032	X												B		02/13/20																			
33	CTB-DW-CT01-033	X												B		02/13/20																			
34	CTB-DW-CP01-034	X												B		02/13/20																			
35	CTB-DW-CP01-035	X												B		02/13/20																			
36	CTB-DW-CP01-036	X												B		02/13/20																			
37	CTB-DW-FI01-037	X												B		02/13/20																			
38	CTB-DW-FI01-038	X												B		02/13/20																			
39	CTB-DW-FI01-039	X												B		02/13/20																			
40	CTB-DW-CK01-040	X												B		02/13/20																			
41	CTB-DW-CK01-041	X												B		02/13/20																			
42	CTB-DW-CK01-042	X												B		02/13/20																			
43	CTB-DW-BM01-043	X												B		02/13/20																			



Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES								
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 6020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A	Bulk = B	Dust = D	Food = F	Paint = P	Soil = S	Surface = SU	Swab = SW	Tape = T	Wipe = W	Drinking Water = DW	Waste Water = WW	**ASTM E1792 approved wipe media only**
Client Sample ID Number		(Sample ID's must be unique)		ASBESTOS	CHEMISTRY	MICROBIOLOGY	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions												
44	CTB-DW-BM01-044			X										B		02/13/20									
45	CTB-DW-BM01-045			X										B		02/13/20									
46	CTB-DW-CF01-046			X										B		02/13/20									
47	CTB-DW-CF01-047			X										B		02/13/20									
48	CTB-DW-CF01-048			X										B		02/13/20									
49	CTB-DW-JC01-049			X										B		02/13/20									
50	CTB-DW-JC01-050			X										B		02/13/20									
51	CTB-DW-JC01-051			X										B		02/13/20									
52	CTB-DW-DW01-052			X										B		02/13/20									
53	CTB-DW-DW01-053			X										B		02/13/20									
54	CTB-DW-DW01-054			X										B		02/13/20									
55	CTB-DW-DW01-055			X										B		02/13/20									
56	CTB-DW-DW01-056			X										B		02/13/20									
57	CTB-DW-DW01-057			X										B		02/13/20									
58	CTB-DW-DW01-058			X										B		02/13/20									
59	CTB-NA-SF01-059			X										B		02/13/20									
60	CTB-NA-SF01-060			X										B		02/13/20									
61	CTB-NA-SF01-061			X										B		02/13/20									
62	CTB-NA-CB01-062			X										B		02/13/20									
63	CTB-NA-CB01-063			X										B		02/13/20									
64	CTB-NA-CB01-064			X										B		02/13/20									
65	CTB-NA-MT01-065			X										B		02/13/20									
66	CTB-NA-MT01-066			X										B		02/13/20									
67	CTB-NA-MT01-067			X										B		02/13/20									
68	CTB-NA-LC01-068			X										B		02/13/20									
69	CTB-NA-LC01-069			X										B		02/13/20									
70	CTB-NA-LC01-070			X										B		02/13/20									
71	CTB-NA-FI01-071			X										B		02/13/20									
72	CTB-NA-FI01-072			X										B		02/13/20									
73	CTB-NA-FI01-073			X										B		02/13/20									



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5801 Logan St, Suite 100, Denver, CO 80216
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Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES					LAB NOTES																		
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
													Dust = D		Food = F																				
													Paint = P		Soil = S																				
													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number		(Sample ID's must be unique)										Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions																	
ASBESTOS		CHEMISTRY																																	
MICROBIOLOGY																																			
104	CTB-EA-LF01-104	X												B		02/13/20																			
105	CTB-EA-LF01-105	X												B		02/13/20																			
106	CTB-EA-LF01-106	X												B		02/13/20																			
107	CTB-EA-CP01-107	X												B		02/13/20																			
108	CTB-EA-CP01-108	X												B		02/13/20																			
109	CTB-EA-CP01-109	X												B		02/13/20																			
110	CTB-EA-FI01-110	X												B		02/13/20																			
111	CTB-EA-FI01-111	X												B		02/13/20																			
112	CTB-EA-FI01-112	X												B		02/13/20																			
113	CTB-EA-JC01-113	X												B		02/13/20																			
114	CTB-EA-JC01-114	X												B		02/13/20																			
115	CTB-EA-JC01-115	X												B		02/13/20																			
116	CTB-EA-DW01-116	X												B		02/13/20																			
117	CTB-EA-DW01-117	X												B		02/13/20																			
118	CTB-EA-DW01-118	X												B		02/13/20																			
119	CTB-EA-MT01-119	X												B		02/13/20																			
120	CTB-EA-MT01-120	X												B		02/13/20																			
121	CTB-EA-MT01-121	X												B		02/13/20																			
122	CTB-EA-MT02-122	X												B		02/13/20																			
123	CTB-EA-MT02-123	X												B		02/13/20																			
124	CTB-EA-MT02-124	X												B		02/13/20																			
125	CTB-EA-FI02-125	X												B		02/13/20																			
126	CTB-EA-FI02-126	X												B		02/13/20																			
127	CTB-EA-FI02-127	X												B		02/13/20																			
128	CTB-EA-FD01-128	X												B		02/13/20																			
129	CTB-EA-FD01-129	X												B		02/13/20																			
130	CTB-EA-FD01-130	X												B		02/13/20																			
131	CTB-EA-CK01-131	X												B		02/13/20																			
132	CTB-EA-CK01-132	X												B		02/13/20																			
133	CTB-EA-CK01-133	X												B		02/13/20																			



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Res Job#: 456888

Submitted By: WESTON SOLUTIONS, INC. (CO)



Reservoirs Environmental, Inc.

Res Job#: 456888


Submitted By: WESTON SOLUTIONS, INC. (CO)

		REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES																			
		PLM - Short Report	Long Report	CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	Viabiles	MEDICAL - Bioburden, LAL	MOLD - Spore Trap, Bulk Mold, Particulate Identification	Air = A		Bulk = B																				
													Dust = D		Food = F																				
													Paint = P		Soil = S																				
													Surface = SU		Swab = SW																				
													Tape = T		Wipe = W																				
													Drinking Water = DW																						
													Waste Water = WW																						
													ASTM E1792 approved wipe media only																						
Client Sample ID Number		(Sample ID's must be unique)										Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions																	
ASBESTOS		CHEMISTRY																																	
MICROBIOLOGY																																			
164	CTB-OC-RM01-164	X												B		02/13/20																			
165	CTB-OC-PL01-165	X												B		02/13/20																			
166	CTB-OC-PL01-166	X												B		02/13/20																			
167	CTB-OC-PL01-167	X												B		02/13/20																			
168	CTB-OC-PL01-168	X												B		02/13/20																			
169	CTB-OC-PL01-169	X												B		02/13/20																			
170	CTB-OC-PL01-170	X												B		02/13/20																			
171	CTB-OC-PL01-171	X												B		02/13/20																			
172	CTB-OC-CM01-172	X												B		02/13/20																			
173	CTB-OC-CM01-173	X												B		02/13/20																			
174	CTB-OC-CM01-174	X												B		02/13/20																			
175	CTB-OC-FL01-175	X												B		02/13/20																			
176	CTB-OC-FL01-176	X												B		02/13/20																			
177	CTB-OC-FL01-177	X												B		02/13/20																			
178	CTB-OC-TF01-178	X												B		02/13/20																			
179	CTB-OC-TF01-179	X												B		02/13/20																			
180	CTB-OC-TF01-180	X												B		02/13/20																			
181	CTB-OC-DB01-181	X												B		02/13/20																			
182	CTB-OC-DB01-182	X												B		02/13/20																			
183	CTB-OC-DB01-183	X												B		02/13/20																			
184	CTB-OC-FB01-184	X												B		02/13/20																			
185	CTB-OC-FB01-185	X												B		02/13/20																			
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187	CTB-OC-RF01-187	X												B		02/13/20																			
188	CTB-OC-RF01-188	X												B		02/13/20																			
189	CTB-OC-RF01-189	X												B		02/13/20																			
190	CTB-EA-FI03-190	X												B		02/13/20																			
191	CTB-EA-FI03-191	X												B		02/13/20																			
192	CTB-WP-01				X								100CM²	W		02/13/20																			
193	CTB-WP-02				X								100CM²	W		02/13/20																			



Res Job#: **456888**

Submitted By: **WESTON SOLUTIONS, INC. (CO)**



Reservoirs Environmental, Inc.

Res Job#:

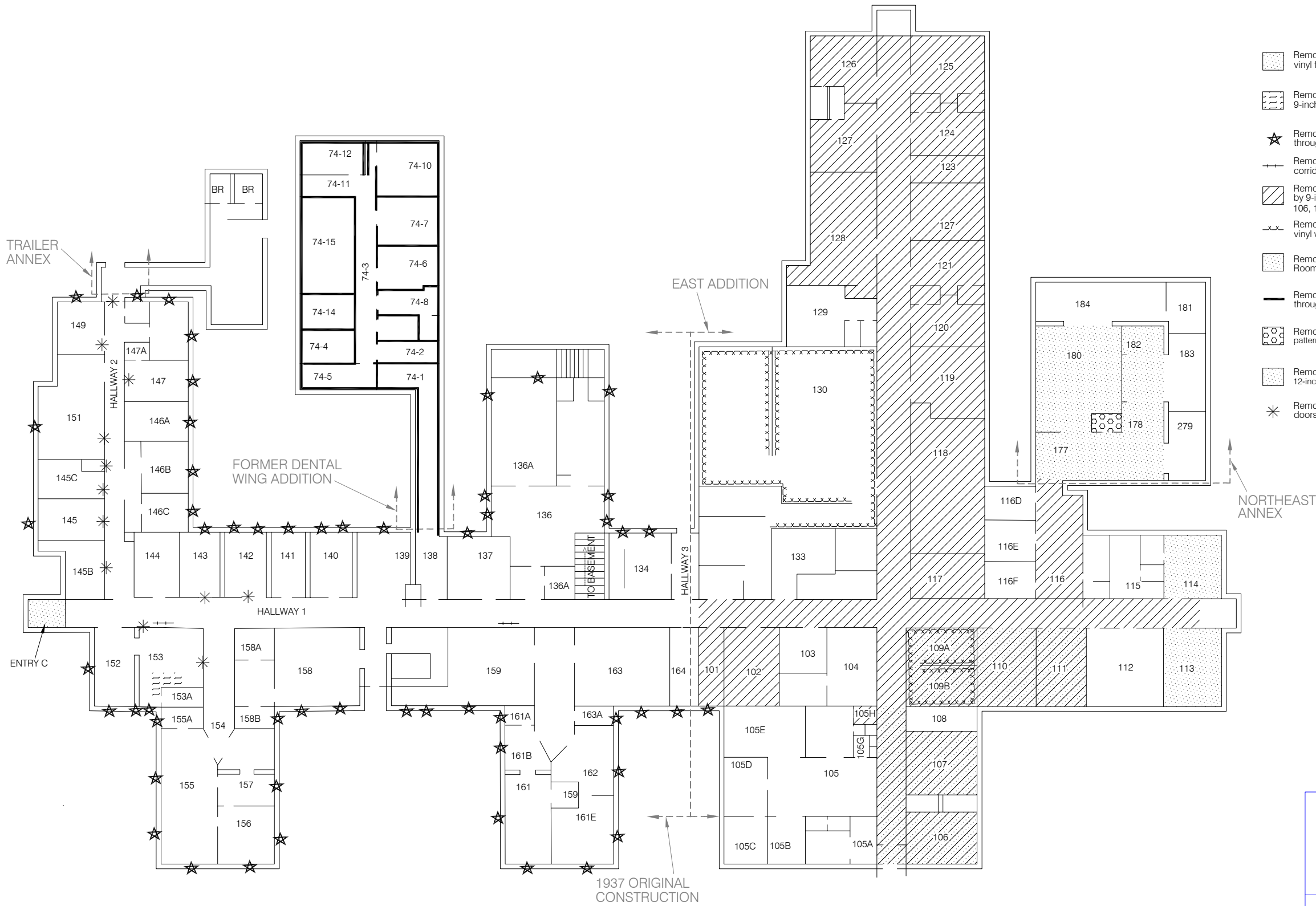
456888

Submitted By:

WESTON SOLUTIONS, INC. (CO)

Client Sample ID Number (Sample ID's must be unique)	REQUESTED ANALYSIS						VALID MATRIX CODES				LAB NOTES			
	PLM - <input type="checkbox"/> Short Report <input checked="" type="checkbox"/> Long Report <input type="checkbox"/> CARB 435	TEM - AHERA, (+/- or Quantified), Microvac (+/- or Quantified), Wipe (+/- or Quantified), NIOSH 7402, Yamate Level II, ISO 1379 Chatfield, Waste Water, Drinking Water, Bulk +/-	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) Lead Only (7082, 7420, Waste Water, Foodware), Multi Metal (7303, 8020A, 200.8, Waste Water, Foodware), pH (Liquid, Non-Liquid), TCLP, RCRA 8 Scan, Welding Fume Scan, Full Metals Scan	ORGANICS - Methamphetamine, TSS	<div> <div>Viabiles</div> <div> Campylobacter, Bacillus, Salmonella (Culturable, 1-2), Listeria, E.coli O157:H7, E.coli/Coliforms - Plated, S. aureus, Yeast & Mold, Aerobic Plate Count, Coliforms/E.coli (State Water, Drinking Water, Non-Drinking Water, +/- Quantification), Lactic Acid, Viable Microbial Count (wo/D, w/D), Enterococcus (+/- or Quantification) </div> </div>				MOLD - Spore Trap, Bulk Mold, Particulate Identification			
							MEDICAL - Bidsburden, LAL	Sample Volume (L) / Area	Length (or Aliquots) x Width (or Area per Aliquot)	Matrix Code		# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm
	ASBESTOS	CHEMISTRY	MICROBIOLOGY									Laboratory Analysis Instructions		
194 CTB-WP-03		X					100CM²		W		02/13/20			
195 CTB-WP-04		X					100CM²		W		02/13/20			
196 CTB-WP-05		X					100CM²		W		02/13/20			
197 CTB-WP-06		X					100CM²		W		02/13/20			
198 CTB-BLNK		X					100CM²		W		02/13/20			
199 CTB-C-SO01	X								S		02/13/20			
200 CTB-C-SO02	X								S		02/13/20			
201 CTB-C-SO03	X								S		02/13/20			
202 CTB-C-SO04	X								S		02/13/20			
203 CTB-C-SO05	X								S		02/13/20			
204 CTB-C-SO91	X								S		02/13/20			

APPENDIX C
SUPPLEMENTARY INFORMATION



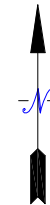
LEGEND

- Remove and Dispose of Asbestos-Containing beige marble pattern 12-inch by 12-inch vinyl floor tile on concrete in Entry C
- Remove and Dispose of Asbestos-Containing beige with brown flake pattern 9-inch by 9-inch vinyl floor tile and associated mastic on concrete in Room 153
- Remove and Dispose of Asbestos-Containing window glazing on exterior windows throughout building
- Remove and Dispose of Asbestos-Containing fire hose material throughout main corridors of building
- Remove and Dispose of Asbestos-Containing white with light tan marble pattern 9-inch by 9-inch vinyl floor tile and associated mastic on concrete in Rooms 101, 102, 105H, 106, 107, 109, 110, 111, 112, 113, 116-121, 124-129, and Hallways
- Remove and Dispose of Asbestos-Containing adhesive associated with 4-inch grey vinyl wall-base in Rooms 109 and 130
- Remove and Dispose of Asbestos-Containing yellow carpet adhesive on concrete in Rooms 106-111, 113, and 114
- Remove and Dispose of Asbestos-Containing wallboard -joint compound found throughout former dental wing addition walls
- Remove and Dispose of Asbestos-Containing mastic associated with pastel blotches pattern sheet vinyl on wood in the closet of Room 177
- Remove and Dispose of Asbestos-Containing mastic associated with white 12-inch by 12-inch vinyl floor tile under carpet on wood in Rooms 177, 178, 180, and 182
- Remove and Dispose of Asbestos-Containing fire door insulation contained within doors throughout building









FIRST FLOOR AREA
ACBM LOCATIONS AND
ABATEMENT RECOMMENDATIONS
Former Indian Health Service Unit Hospital
Building 21
Crow Agency, Montana

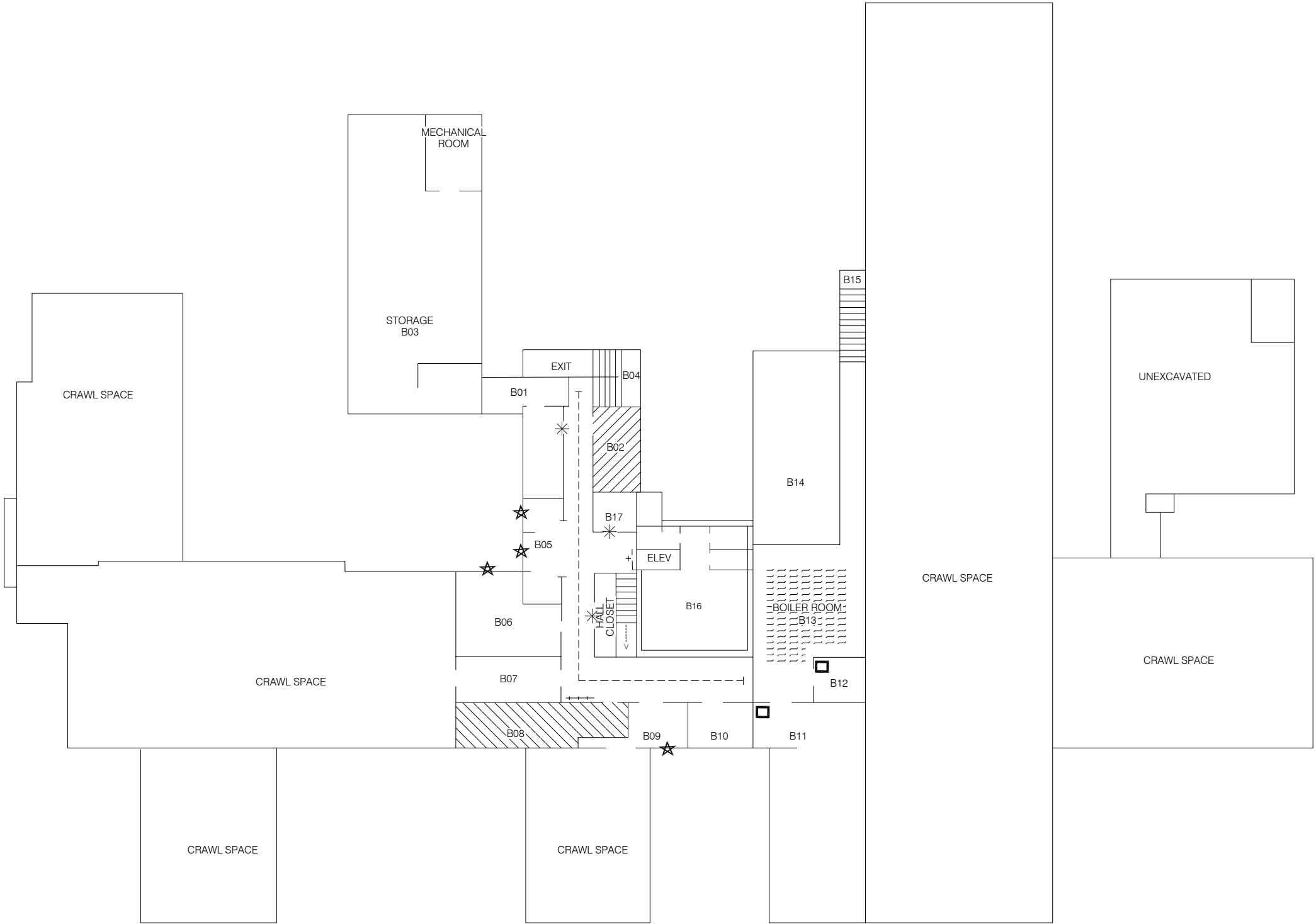


DRAWN:	MGK	APPROX. SCALE:	1" = 25'	FIGURE NO.	1
REVIEWED:	JBS	DATE:	05/01/2008	PROJECT NO.	8551358



LEGEND

-  Remove and Dispose of Asbestos-Containing blue 9-inch by 9-inch vinyl floor tile on concrete in Room B02
-  Remove and Dispose of Asbestos-Containing popcorn surfacing material on CMU block walls, pipes, and light fixtures of Rooms B07 and B08
-  Remove and Dispose of Asbestos-Containing bridging material on ducts in basement mechanical Rooms B11 and B12
-  Remove and Dispose of Asbestos-Containing mastic associated with Styrofoam panels on plaster ceiling of Room B13
-  Remove and Dispose of Asbestos-Containing elevator fire door material in Basement corridor
-  Remove and Dispose of Asbestos-Containing fire hose material throughout main corridors of building
-  Remove and Dispose of Asbestos-Containing fire door insulation contained within doors throughout building
-  Remove and Dispose of Asbestos-Containing window glazing on exterior windows throughout building

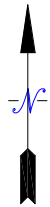


BASEMENT AREA


**ACBM LOCATIONS AND
ABATEMENT RECOMMENDATIONS**
Former Indian Health Service Unit Hospital
Building 21
Crow Agency, Montana

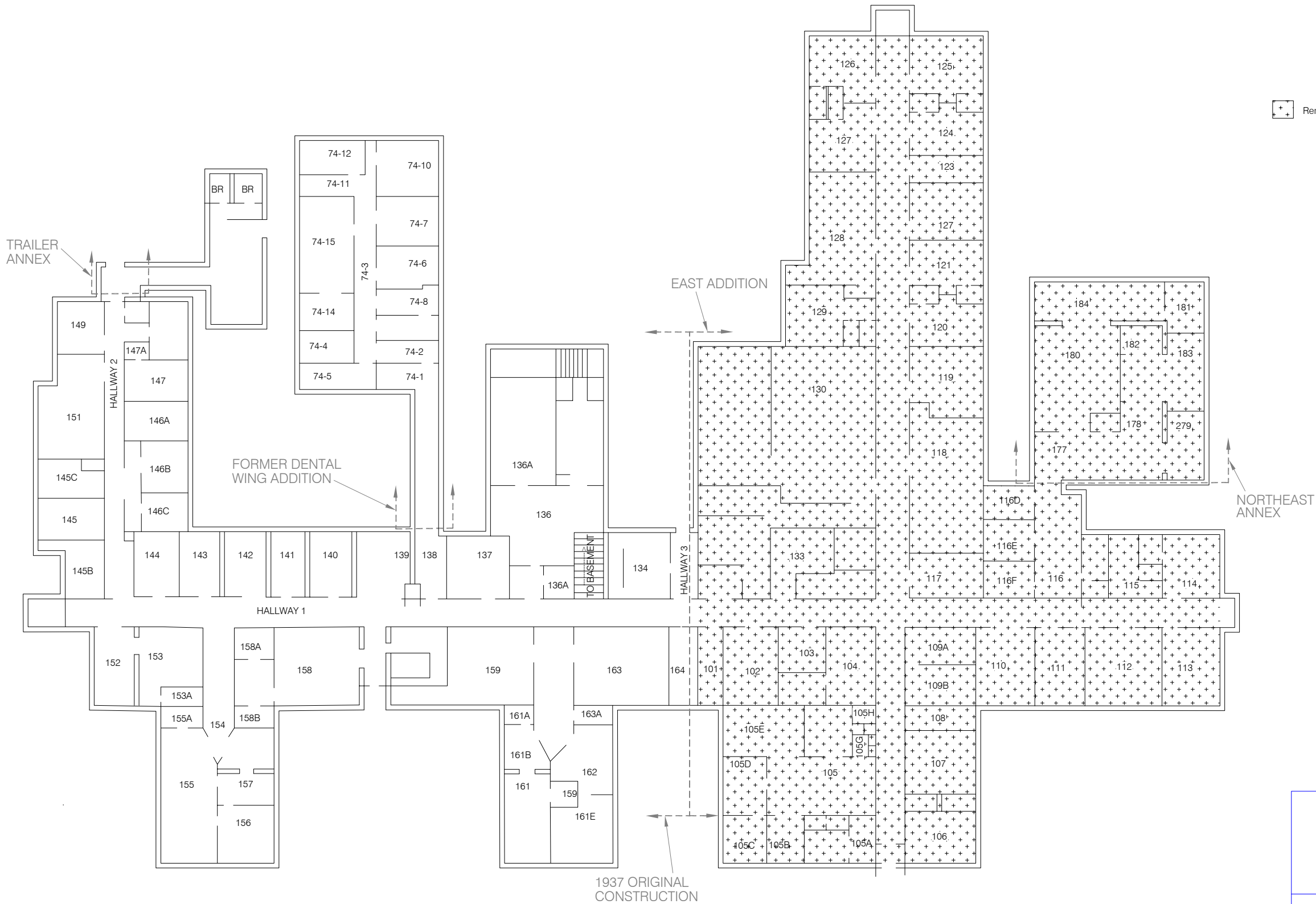


DRAWN:	MGK	APPROX. SCALE:	1" = 25'	FIGURE NO.	2
REVIEWED:	JBS	DATE:	05/01/2008	PROJECT NO.	8551358



LEGEND

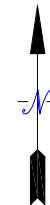
 Remove and Dispose of Asbestos-Containing poured tar roof of building



ROOF MATERIAL LOCATIONS
ACBM LOCATIONS AND
ABATEMENT RECOMMENDATIONS
Former Indian Health Service Unit Hospital
Building 21
Crow Agency, Montana



DRAWN:	MGK	APPROX. SCALE:	1" = 25'	FIGURE NO.	3
REVIEWED:	JBS	DATE:	05/01/2008	PROJECT NO.	8551358



LEGEND

- Remove and Dispose of loose or peeling Lead-Based Paint on interior walls in Rooms 142, 145B, 146C, 151, 155, 161, Hallway 1, Hallway 2, entry of Room 146, 146 C, 151, 155, 161, Hallway 1, Hallway 2, and Hallway 3, and entry of Room 146
- Remove and Dispose of loose or peeling Lead-Based Paint on interior metal door casing in Room 163
- Remove and Dispose of loose or peeling Lead-Based Paint on interior wood door casing in Room 151
- * Remove and Dispose of loose or peeling Lead-Based Paint on interior bookshelves in Rooms 144 and 146
- Remove and Dispose of Lead liner on south walls behind Asbestos-Containing wallboard in Rooms 74-7, 74-8, 74-10, north and south walls of Room 74-13

FIRST FLOOR - INTERIOR
LEAD-BASED PAINT LOCATIONS AND
INTERIM STABILIZATION/REMOVAL
RECOMMENDATIONS
Former Indian Health Service Unit Hospital
Building 21
Crow Agency, Montana



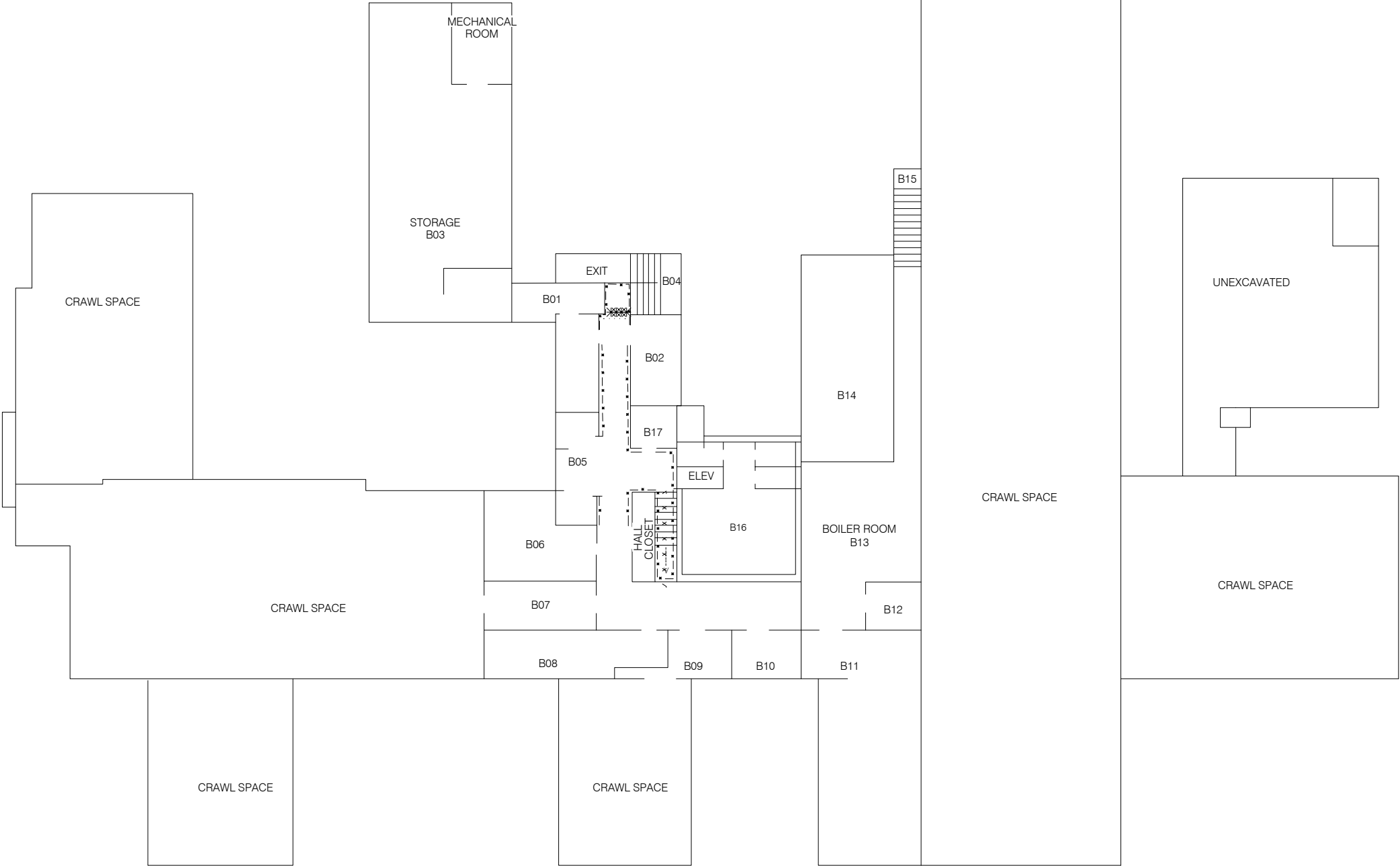
DRAWN:	MGK	APPROX. SCALE:	1" = 25'	FIGURE NO.	2
REVIEWED:	RWH	DATE:	06/24/2008	PROJECT NO.	8551358



of basement corridor

LEGEND


- * — * — Remove and Dispose of loose or peeling Lead-Based Paint on interior plaster walls of basement corridor
- └ x x x x ┘ Remove and Dispose of loose or peeling Lead-Based Paint on interior handrails, risers, baseboard, tread, and walls of basement to main floor stairwell
- XXXXXXXXXX Remove and Dispose of Lead-Based Painted interior wood door and door components on north side exit in basement corridor



BASEMENT AREA

**LEAD-BASED PAINT LOCATIONS AND
INTERIM STABILIZATION/REMOVAL
RECOMMENDATIONS**

Former Indian Health Service Unit Hospital
Building 21
Crow Agency, Montana



DRAWN: MGK	APPROX. SCALE: 1" = 25'	FIGURE NO. 3
REVIEWED: RWH	DATE: 06/24/2008	PROJECT NO. 8551358

Project: Crow Tribal Building
TDD: 0003/2001-02

Date: 2/13/2020

Inspector: MC & GH

Sample ID	Material	Location	Estimated Extent	Notes
CTB-TA-CT01-001	12"x12" white	Trailer Annex	Through Vent	
-002	CT w/ fissures & pinholes	↓		
-003	(no mastic)	↓		
-FT01-004	12"x12" white	TA	Both bathrooms	
-005	VFT w/ brown mastic	↓		
-006	↓	↓		
-CP01-007	Plum-colored Carpet	TA	Bathroom Hallway	
-008	↓	↓		
-009	↓	↓		
-CP02-010	Brown/Black Carpet	TA	Office	
-011	↓	↓		
-012	↓	↓		
-CP03-013	Gray Carpet	TA	Entrance Hallway	
-014	↓	↓		
-015	↓	↓		
-FI-016	Fiberglass Insulation	TA	Ceiling & walls	
-017	w/ black paper (Pink)	↓	(To)	
-018	↓	↓		
-FT02-019	Peel & stick FT	TA	Beneath Subfloor	
-020	(Faux wood)	↓		
-021	↓	↓		
-FI02-022	FI w/ black paper	TA	Entrance Hallway	
-023	(Yellow)	↓	(To)	
-024	↓	↓		
-LI01-025	Light fixture	TA	ZSF	
-026	silver paper	↓		
-027	↓	↓		
-CK01-028	white Caulk	TA	Exterior Perimeter	
-029	↓	↓		
-030	↓	↓		

Project: Crow Tribal Building
TDD: 0003/2001-02

Date: 2/13/2020

Inspector: MCS GH

Sample ID	Material	Location	Estimated Extent	Notes
CTB-DW-CT01-031	2'x4' CT Fissures	Dental Wing	Ceiling TO	
-032	w/ pin holes	↓		
-033	↓	↓		
-CP01-034	Brown/Black	DW	Hallways/offices	
-035	Carpet	↓		
-036	↓	↓		
-FI01-037	Fiberglass (pink)	DW	Walls & ceilings	
-038	w/ black paper	↓	(to)	
-039	↓	↓		
-CK01-040	White Caulk	DW	Exterior Perimeter	
-041	↓	↓		
-042	↓	↓		
-BM01-043	Yellow/Red Brick	DW	Exterior wall	
-044	? mortar	↓		
-045	↓	↓		
-CF01-046	concrete Foundation	DW	Base of Building	
-047	↓	↓		
-048	↓	↓		
-JC01-049	DW Joint Compound	DW	Interior walls	
-050	and tape	↓		
-051	↓	↓		
-DW01-052	Orange peel	DW	Interior walls	
-053	texture & drywall	↓		
-054	↓	↓		
-055	↓	↓		
-056	↓	↓		
-057	↓	↓		
-058	↓	↓		

Project: Crow Tribal Building
TDD: 0003/2001-02

Date: 2/14/2020

Inspector: MC & CH

Sample ID	Material	Location	Estimated Extent	Notes
LTB-NA-SF01-059	White Styrofoam	Northeast Annex		
-060	Insulation	↓		
-061	↓	↓		
-CB01-062	6" black Cove	NA		
-063	Base w/ tan mastic	↓		
-064	↓	↓		
-MT01-065	white wall	NA		Between Styrofoam & wood
-066	mastic	↓		paneling on walls
-067	↓	↓		
-LC01-068	Dark Grey Leveling	NA		
-069	Compound	↓		
-070	↓	↓		
-FI01-071	Fiberglass Pipe	NA		
-072	Insulation	↓		
-073	↓	↓		
-DI01-074	Black Duct	NA		
-075	Insulation w/ Black	↓		
-076	Paper	↓		
-CP01-077	Grey w/ Blue	NA		
-078	Carpet	↓		
-079	↓	↓		
-CP02-080	Tan w/ Blue	NA		
-081	Carpet	↓		
-082	↓	↓		
-CB02-083	4" Cove base w/	NA		
-084	tan mastic	↓		
-085	↓	↓		
-PT01-086	12"x12" Grey VFT	NA		
-087	w/ tan mastic	↓		
-088	↓	↓		

Project: Crow Tribal Building
TDD: 0003/2001-02

Date: 2/14/2020
Inspector: MEGH

Sample ID	Material	Location	Estimated Extent	Notes
CTB-NA-MT02-089	Tan Mastic	Northeast Aney		
-090	(Behind corkboard)	↓		
-091	↓	↓		
-MT03-092	Grey Mastic	NA		
-093	(Behind wood	↓		
-094	paneling)	↓		
-CK01-095	Exterior Cattle	↓		Metal portion meets Block
-096		↓		
-097		↓		
-EA-CT01-098	2'x2' ceiling	East Addition	105 E	
-099	tiles	↓		
-100	↓	↓		
-FT01-101	12"x12" VFT	EA	Hallways	
-102	Grey w/ grey mastic	↓		
-103	↓	↓		
-LF01-104	Faux Wood	EA		
-105	Laminate flooring	↓		
-106	↓	↓		
-CF01-107	Olive/Blue Carpet	EA		
-108	↓	↓		
-109	↓	↓		
-FI01-110	Fiberglass Pipe	EA		
-111	Insulation	↓		
-112	↓	↓		
-JC01-113	Drywall Joint	EA		
-114	Compound ? Tape	↓		
-115	↓	↓		
-DW01-116	Textured Drywall	EA		Orange Peel texture
-117	↓	↓		
-118	↓	↓		

Project: Crow Tribal Building

Date: 2/14/2020

TDD: 0003/2001-02

Inspector: MC 9 GH

Sample ID	Material	Location	Estimated Extent	Notes
CTB-EA-MT01-119	Tan Plastic Assoc	East Addition		
-120	w/ wood Paneling	↓		
-121	↓	↓		
-MT02-122	Beige mastic	EA	WN, E Half	
-123	Assoc. w/ Plastic	↓		
-124	Panel & paper	↓		
-FT02-125	Brown/Yellow	EA	WN, E Halls	
-126	Fiberglass w/ Dark	↓	W, S	
-127	Brown Tape	↓		
-FT01-128	White Fire Door	EA		
-129	Insulation	↓		
-130	↓	↓		
-CK01-131	Black Window	EA		
-132	Caulk (Exterior)	↓		
-133	↓	↓		
-FT02-134	Floor T.I.C (9'x9')	EA		9'x9'
-135	↓ w/ Black mastic	↓		
-134	↓	↓		
-FT03-135	Peeling Insulation	EA		
-136	↓	↓		
-137	↓	↓		
B-DI01-138	Yellow/Brown	Basement		
-139	Suck Insulation	↓		
-140	↓	↓		
-BG01-141	White/Orange	B		
-142	Rope Gasket	↓		
-143	on Boiler	↓		
-Bt01-144	White Boiler	B		
-145	Insulation	↓		
-146	↓	↓		

→ collected on
2/14/2020
↓



CLIENT/SUBJECT _____ SHEET _____ of _____
W.O. NO. _____
TASK NO. _____

PREPARED BY _____	DATE _____	APPROVED BY _____
MATH CHECK BY _____	DATE _____	
METHOD REV. BY _____	DATE _____	DEPT _____ DATE _____

Samp.	mat.	Loc.	Qty.
-W601-147	White window	B	
-148	Glazing	↓	
-149	↓	↓	
-MF01-150	White Hard Pack	B	Qty 6
-151	mud fitting	↓	
-152	↓	↓	
-VB01-153	Green Vibration	B	5 #
-154	Damper	↓	
-155	↓	↓	
-ST01-156	Black Stair Tread	B	
-157	w/ Brown Mastic	↓	
-158	↓	↓	
CTB-OC- ^{FD} PA 01-159	Fine door	Original Construction	
-160			
-161			
-RM01-162	Roofing		
-163			
-164			
-PL01-165	Plaster		
-166			
-167			
-168			
-169			
-170			
-171			
-cm01-172	chimney		
-173			
-174			
-FL01-175	Flue		
-176			
-177			



CLIENT/SUBJECT _____ SHEET _____ of _____
TASK DESCRIPTION _____ W.O. NO. _____
PREPARED BY _____ DEPT _____ DATE _____ TASK NO. _____
MATH CHECK BY _____ DEPT _____ DATE _____ APPROVED BY _____
METHOD REV. BY _____ DEPT _____ DATE _____
DEPT _____ DATE _____

Samp.	Mat.	Loc.	Qty
CTB-OC-TF01-178	Terrazo	Original Construction	
-179			
-180			
DB01-181	Debris		
-182			
-183			
FB01-184	Fire Brick		
-185			
-186			
RP01-187	Roofing Felt		
-188			
-189			