

INVITATION TO BID

**HEIL VALLEY RANCH II OPEN SPACE
ASBESTOS/LEAD PAINT ABATEMENT,
DECONSTRUCTION SERVICES
AND SOLICITATION OF QUALIFICATIONS**

BID #6673-17



**SUBMITTAL DUE DATE
AUGUST 1, 2017
2:00 P.M.**

BOULDER COUNTY PURCHASING

**2025 14TH STREET
BOULDER CO 80302**

Purchasing@bouldercounty.org

**HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD
ABATEMENT AND DECONSTRUCTION SERVICES
BID# 6673-17**

PROJECT DESCRIPTION:

The Boulder County Parks and Open Space Department is seeking bids from contractors for the Project described below as Heil Valley Ranch II and, is seeking qualifications from perspective contractors for future continuing services projects. In addition, the county is seeking bids for the project specified for Heil Valley Ranch II.

Boulder County is soliciting bids from qualified and experienced General Abatement Contractors (GAC) to provide asbestos/Lead abatement and deconstruction of structures located on the Heil Valley Ranch II Open Space. Abatement services are requested primarily for asbestos and lead found in or on structures or equipment. Asbestos abatement shall include both friable and non-friable forms. Lead abatement is primarily associated with, but not limited to, lead based paints. A Phase 1 sampling was conducted to determine the extent of asbestos contamination. All structures were sampled in accordance to the Asbestos Hazard Emergency Response Act (AHERA). The successful bidder must be a current CDPHE registered ACM. The successful bidder will have forty five (45) calendar days after execution of the contract to complete the work.

Services shall include all phases of asbestos and/or lead abatement including but not limited to: removal or encapsulation of asbestos-containing or lead-containing materials; all regulatory authorizations and notification; and cleanup, containment, removal and disposal of related abatement materials (excluding disposal of materials that designate as dangerous waste), as well as implementation of sufficient engineering controls and means for the chosen method of abatement. Materials resulting from abatement and classified as dangerous waste under Environmental or Safety Laws shall not be disposed of but instead shall promptly be secured then contact the Boulder County's project representative for further instructions.

In addition to the asbestos/lead abatement, the GAC shall be the primary Deconstruction Contractor (DC). Services include deconstruction of 3 structures with asbestos/lead abatement and 3 structures with no abatement services. The GAC shall abide by CDPHE and Boulder County Land Use rules and regulations for deconstruction and demolition of structures, including obtaining all required permitting.

The Heil Valley Ranch II Open Space is located along Lefthand Canyon Drive and Geer Canyon Road, Boulder, CO 80302. The contaminated structures are in two different locations on the property. There are three (3) structures located at 257 Geer Canyon Drive. These are the primary focus of this BID. The three (3) structures at 868 Lefthand Canyon Drive will be an Add Alternate Bid.

The structures located at Geer Canyon site are a railroad box car, mobile home and collapsed farm building. The structures at the Lefthand Canyon site are a Quonset hut, residence and shed. All structures are at a minimum fifty (50) years old. A trailhead will be constructed at the Geer Canyon site after abatement and deconstruction activities are finished. The Lefthand Canyon site will also have public access after cleanup is completed.

SOLICITATION OF QUALIFICATIONS:

In addition to the Project described above, the County is seeking qualified contractors to retain for future projects of this discipline. Projects will be awarded, on a Project-by-Project basis. Each Project shall have a separate Scope of Work and bids will be solicited from the approved contractor vendor list compiled from this solicitation.

Proposers should list the Colorado professional and/or contractor licenses held by the company and the key personnel who will be assigned to County awarded projects. Provide the license number and explain if held by an individual or the firm. All workers shall be certified by the State of Colorado for these types of projects. Proof of certification must be submitted for each worker in the submittal package.

The evaluation of the Qualifications shall be based on the requirements described in this BID. All properly submitted qualifications will be reviewed, evaluated, scored, and ranked by the selection committee. The selected contractor for the Heil Valley Ranch II Project and the top two (2) ranked proposers will be short-listed by the selection committee to participate in continuing services contracts for projects awarded by the County.

Qualification submittal information must include information regarding company fees, in detail and including personnel hourly rates, equipment, meetings, reports, administrative costs, mileage, travel, and/or other cost information relevant to do business with the County.

Boulder County reserves the right to reject bids that do not include evidence of prior experience and current capabilities, including manpower and equipment, necessary to prosecute the required services and to successfully complete this type work.

Proposers have the option of bidding on the Heil Valley Ranch II Project or to submit their company qualifications for review and consideration for a continuing services contract.

CONTRACT LANGUAGE:

The successful bidder will be required to enter into a Contract for Services and meet all insurance requirements as required prior to any work beginning.

The County retains the right to select more than one contractor. The selected contractor(s) will be required to enter into a Continuing Services Contract, for the current year with an option to renew, in writing, for four (4) additional years. The Contractor acknowledges that a Contract does not constitute a guarantee that Contractor will receive any Projects or Work of any kind under this Contract, if selected, and in such event, Contractor will not receive any payment from County.

W-9 REQUIREMENT:

Provide a copy of your business's W-9 with your proposal.

PRE-BID INFORMATION:

A Mandatory Pre-Bid meeting is scheduled for **Thursday, July 13, 2017 at 10:00 a.m.** at 257 Geer Canyon Drive, Boulder, CO 80302. A representative from your company must be in attendance at the meeting. The pre-bid attendees will view the project interior from the outside of the building and through the windows. If attendees wish to enter inside the building, they must provide their own appropriate level of Personal Protection Equipment to enter the house.

The County **will not** provide any Personal Protection Equipment, nor allow anyone inside without the appropriate level of PPE.

Proposals and/or Contractor Qualifications from companies not represented at the Mandatory, Pre-Bid meeting will not be accepted for this specific Project or to compete for a continuing services contract.

PAYMENT AND PERFORMANCE BONDS:

Payment and Performance Bond requirements are addressed in the attached Sample Contract. Payment and Performance bonds will be required for bids, when applicable. Bonds must be received and approved, by the County, prior to work commencing. If applicable, a Notice of Final Settlement and retainage will be required.

ATTACHMENTS:

The following documents are part of this BID:

1. **BID# 6673-17** Document
2. Attachment A: Contractor Qualification Statement
3. Attachment B: Sample Contract
4. Attachment C Project Location
5. Attachment D: Base Bid Structures Sampling and Test Results
6. Attachment E: Add-Alternate Bid Structures Sampling and Test Results

BOULDER COUNTY INSURANCE REQUIREMENTS:

Insurance requirements are addressed in the attached Sample Contract and are listed below. All insurance requirements must be received and approved, by the County, prior to work commencing.

General Liability:	\$1,000,000, Each Occurrence \$2,000,000, General Aggregate
Automobile Liability:	\$1,000,000, Each Accident
Workers' Compensation and Employer's Liability:	Statutory Limits
Professional Liability:	\$1,000,000, Each Occurrence

Pollution Liability: \$1,000,000, Each Occurrence

If the coverage is written on a claims-made basis, the Contractor warrants that any retroactive date applicable to coverage under the policy precedes the effective date of this Contract; and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of three (3) years beginning from the time that work under this contract is completed.

Note that the above insurance amounts are the minimum required for this project. Proof of current insurance must be provided with your proposal in the form of a sample certificate; bids will not be awarded to vendors/ Consultants that do not meet the minimum insurance requirements for this project.

All contractors selected for a continuing services contract are required to meet the insurance requirements listed above and be in good standing throughout each year.

WRITTEN INQUIRIES:

All inquiries regarding this BID shall be submitted via email to the Boulder County Purchasing Office at purchasing@bouldercounty.org on or before **2:00 p.m. Tuesday, July 18, 2017**. A response from the County to all inquiries shall be posted and sent via email no later than **2:00 p.m. Tuesday, July 25, 2017**.

SUBMITTAL INSTRUCTIONS:

Submittals are due at the Administrative Services Front Desk or the email box (preferred) listed below, for time and date recording on or before **2:00 p.m. Mountain Time on Tuesday, August 1, 2017**.

Your response can be submitted in the following ways. Please note that email responses to this solicitation are preferred, but are limited to a maximum of 25MB capacity. NO ZIP FILES ALLOWED. Electronic Submittals must be received in the e-mail box listed below. Submittals sent to any other box will NOT be forwarded or accepted. This e-mail box is only accessed on the due date of your questions or proposals.

Please use the Delivery Receipt option to verify receipt of your email. It is the sole responsibility of the proposer to ensure their documents are received before the deadline specified above. Boulder County does not accept responsibility under any circumstance for delayed or failed email or mailed submittals.

E-Mail purchasing@bouldercounty.org; identified as **BID #6673-17** in the subject line.

-OR-

US Mail One (1) unbound copy of your submittal, printed double-sided, 11 point, on at least 50% post- consumer, recycled paper must be submitted in a sealed envelope, clearly marked as **BID #6673-17**, to the Administrative Services Front Desk at 2025 14th Street, Boulder, CO 80302.

All BIDs must be received and time and date recorded by authorized county staff by the above due date and time. Sole responsibility rests with the Offeror to see that their BID response is received on time at the stated location(s). Any responses received after due date and time will be returned to the offeror.

The Board of County Commissioners reserves the right to reject any and all responses, to waive any informalities or irregularities therein, and to accept the proposal that, in the opinion of the Board, is in the best interest of the Board and of the County of Boulder, State of Colorado.

Americans with Disabilities Act (ADA): If you need special services provided for under the Americans with Disabilities Act, contact the ADA Coordinator or the Human Resources office at (303) 441-3525 at least 48 hours before the scheduled event.

TERMS AND CONDITIONS

1. Proposers are expected to examine the drawing, specifications, schedule of delivery, and all instructions. Failure to do so will be at the bidder's risk.
2. Each bidder shall furnish the information required in the Request for Proposals.
3. The Contract/Purchase Order will be awarded to that responsible bidder whose submittal, conforming to the Request for Proposals, will be most advantageous to the County of Boulder, price and other factors considered.
4. The County of Boulder reserves the right to reject any or all proposals and to waive informalities and minor irregularities in bids received, and to accept any portion of or all items proposed if deemed in the best interest of the County of Boulder to do so.
5. No submittal shall be withdrawn for a period of thirty (30) days subsequent to the opening of bids without the consent of the County Purchasing Agent or delegated representative.
6. A signed purchase order or contract furnished to the successful bidder results in a binding contract without further action by either party.
7. Late or unsigned proposals will not be accepted or considered. It is the responsibility of proposers to insure that the proposal arrives at the Administrative Services Front Desk or appropriate email box prior to the time indicated in the "Request for Proposals."
8. The proposed price shall be exclusive of any Federal or State taxes from which the County of Boulder is exempt by law.
9. Any interpretation, correction or change of the BID documents will be made by Addendum. Interpretations, corrections and changes of the BID documents made in any other manner will not be binding, and proposer shall not rely upon such interpretations, corrections and changes. The County's Representative will not be responsible for oral clarification.
10. Confidential/Proprietary Information: Proposals submitted in response to this "Request for Proposals" and any resulting contract are subject to the provisions of the Colorado Public (Open) Records Act, 24-72-201 et.seq., C.R.S., as amended. Any restrictions on the use or inspection of material contained within the proposal and any resulting contract shall be clearly stated in the proposal itself. Confidential/proprietary information must be readily identified, marked and separated/packaged from the rest of the proposal. Co-mingling of confidential/proprietary and other information is NOT acceptable. Neither a proposal, in its entirety, nor bid price information will be considered confidential/proprietary. Any information that will be included in any resulting contract cannot be considered confidential.
11. Boulder County promotes the purchase/leasing of energy efficient, materials efficient and reduced toxic level products where availability, quality and budget constraints allow. Bidders are expected whenever possible to provide products that earn the Energy Star and meet the Energy Star specifications for energy efficiency with power management features enabled. Bidders are encouraged to offer products and equipment with post-consumer recycled-content materials. Products should be packaged and delivered with a minimum amount of recycled packaging that adequately protects the product, but is not excessive.
12. Pursuant to Colorado law (House Bill 1292), in any bidding process for public works in which a bid is received from a non-resident bidder who is from a state that provides a percentage bidding preference, a comparable percentage disadvantage shall be applied to the bid of that bidder. Bidders may obtain additional information from the Department of Personnel's website: <http://www.colorado.gov/dpa/>.

BID# 6673-17

HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD ABATEMENT AND DECONSTRUCTION SERVICES

DESCRIPTION OF ASBESTOS/LEAD ABATEMENT WORK:

GENERAL INFORMATION

The purpose of this Asbestos/Lead Abatement project is for the General Abatement Contractor (GAC) to perform the removal of all ACM (asbestos containing material) and Lead Based Products (LBP) as specified in this document or required to facilitate deconstruction of the buildings at the site. ACM is material that contains more than one percent asbestos.

1. ACM identified in the buildings include:
 - A. Floor tile and associated adhesive (multiple buildings)
 - B. Drywall and Plaster (Residence)
2. LBP identified in the buildings include:
 - A. Paint (Quonset hut)

All work shall be performed in accordance with the all relevant Federal, State and local regulations. Wherever discrepancies exist between the specifications or regulatory agency requirements, the most stringent requirements or interpretations shall apply.

The GAC is responsible for compliance with all OSHA regulations that pertain to the operations being performed by their employees and all sub-contractors contracted to the GAC on this project. This includes but not limited to general construction standards, personal protective equipment, personal air monitoring, record keeping, Hazardous Communication requirements, placement of fire extinguishers, placement of directions for fire exits, ladder and scaffold safety and all other OSHA regulations. The GAC is responsible for the safety and safe work practices of their personnel and any personnel sub-contracted to perform work under the GAC's contract.

Specifications defining the work to be done were prepared on the basis of interpretation of information derived from work site investigations performed by Boulder County. Such information and data collected are subject to investigation and sampling errors.

CONTRACTOR'S RESPONSIBILITIES

The GAC awarded a contract in response to this BID will remove 100% of the asbestos and lead, be it either in or on the structures located on the Heil Valley Ranch II Open Space:

1. **Perform Asbestos and Lead Abatement (Removal), and Deconstruction work:** In accordance with the attached asbestos and lead surveys and analytical results. Asbestos and lead abatement (removal) activities and demolition work shall be performed by a state certified General Abatement Contractor (GAC).

2. **Prepare a Project Design:** The GAC shall prepare a Project Design for the abatement (removal) activities and demo work. **The GAC will determine if additional testing is needed to confirm the present of asbestos and/or lead. The costs for additional testing shall be included in the GAC's bid.**
3. **Monitor Air Quality:** The GAC must be a Certified Air Monitoring Specialist, or employ one as a Sub-contractor on the job.
4. **Perform Project Management:** The GAC shall serve as project manager, overseeing all abatement activities, insuring that the Project Design is followed and Air Quality Monitoring is performed, all in accordance with 5 CCR 1001-10 Part B, Section III of Regulation No. 8.
5. **Obtain all necessary State Permits:** In the capacity of Project Manager, the GAC will obtain all necessary permits for asbestos and lead abatement, as well as the deconstruction work on the structures. On the Demolition Permit obtained from the state, the GAC shall also provide a copy of their Certified Asbestos Inspector Certification.
6. **Obtain all necessary Boulder County Permits:** The GAC will also obtain a "Deconstruction" from the Boulder County Land Use Department.
7. **Obtain all Necessary Inspections:** The GAC will also insure that all required inspections are performed at the times they are required. Note especially that the GAC must arrange for BCPOS to perform an inspection prior to the start of work.
8. **Follow the Project Design:** The GAC must abide by the project design created by the GAC, detailing the proper abatement of the asbestos containing materials, in compliance with Colorado Regulation No. 8, as well as EPA and OSHA rules and regulations.
9. **Comply with Regulation No. 8:** The GAC shall meet all responsibilities specified in 5 CCR 1001-10 Part B, and ensure that all workers and supervisors are certified in accordance with Section II of Regulation No. 8, Part B.
10. **Provide On-Site Utilities:** The GAC shall be responsible for providing any required utilities (electric, water) to perform abatement and demo activities.
11. **Remove and Properly Dispose of All Wastes:** The GAC must ensure that all wastes (asbestos containing, lead containing and solid) generated by this project are removed from the site upon completion of the project. The GAC shall be responsible for ensuring any additional subcontractors working for the GAC will follow all these requirements.

*Note that it is the responsibility of the GAC to determine current waste handling, transportation, and disposal regulations for the landfill used. GAC must comply fully with these regulations and all U.S. Department of Transportation (including DOT labeling of trucks) and CDPHE/U.S. Environmental Protection Agency (EPA) requirements. Labels and all necessary signs shall be in accordance with EPA and OSHA standards.
12. **Provide Documentation of Project:** At the completion of the project, the GAC shall obtain and submit copies of all signed and returned manifests, permits, sampling results and applicable notifications to the County.

13. **Work Days and Hours:** Monday through Friday, 7:00 a.m. to 5:00 p.m.

MATERIALS, APPROXIMATE QUANTITIES AND LOCATIONS

The following asbestos containing materials shall be removed by the GAC:

MATERIAL	LOCATION	ESTIMATED QUANTITY
Base Bid Items		
Floor tile	Railroad Car	320 Square Feet
Floor tile	Trailer	140 Square Feet
Roof shingles	Roof structure on ground	175 Square Feet
Add Alternate Bid Items		
Floor Tile	Quonset hut	155 Square Feet
Drywall compound	White house	Square Feet

The following Lead materials shall be removed by the AC.

MATERIAL	LOCATION	ESTIMATED QUANTITY
Add Alternate Bid Items		
Paint	Quonset hut	

SITE PROTECTION AND SECURITY

The buildings are scheduled for deconstruction upon completion of the Asbestos/Lead Abatement and Associated Work. The GAC will not be liable for any damages to the buildings, but is responsible for the orderliness of the site. The GAC is responsible for the security of the site related to their equipment and supplies. The GAC shall close all gates and provide locks on the egresses to the work areas.

GENERAL INFORMATION

1. Workers: All workers shall be certified by the State of Colorado for this project. Proof of certification must be submitted for each worker in the submittal package.
2. Water Source/Water Heater: GAC shall provide an electric water heater for hot water. Only electrical water heaters are permitted.

3. Waste Water Disposal: GAC shall filter asbestos containing wastewater through staged filter media to 5 microns, if this is acceptable to the receiving agency's wastewater treatment facility. Submit proposed wastewater treatment sites to Boulder County.

The GAC shall also provide a written notification to the receiving agency's wastewater treatment facility of the water filtration system proposed to be used on this project. Include one copy with the submittal package. The response from the receiving agency's wastewater treatment facility regarding the discharge of filtered wastewater into the sewer system must also be included in the submittal package.

4. Plan of Action: The GAC shall prepare the Plan of Action for review and approval by the Boulder County.
5. Equipment: Boulder County's on-site representative shall inspect GAC's equipment prior to equipment entering the building. Any equipment not passing the visual inspection shall remain in the GAC's equipment vehicle and returned to GAC's site at GAC's expense. Furthermore, all air filtration units shall have the air intake sealed with polyethylene regardless of when HEPA filter was installed.
6. OSHA Construction Standards: The GAC shall be in strict compliance with current OSHA construction standards including but not limited to required personnel safety, protective clothing, equipment, procedures as well as any other requirements.
7. Respirator: The GAC shall include in the Plan of Action, selection of respiratory protection in accordance with all applicable federal, state and local regulations including but not limited to OSHA 29 CFR 1926.1101. Respiratory selection is the responsibility of the GAC; however it is recommended Grade "D" supplied air respiratory protection utilizing a full-face supplied air respirator, operated in pressure demand mode, equipped with an auxiliary HEPA filter for emergency egress.
8. Waste Transport: All ACM waste shall be packaged/containerized and labeled. ACM waste shall then be transferred outside the enclosure utilizing the waste load out unit. GAC shall submit for Boulder County's review, the method of transportation of waste from work site to storage dumpster.
9. Storage Trucks: GAC shall not store trucks on-site for asbestos containing bagged waste storage.
10. Waste Disposal: GAC shall dispose of ACM material and waste material at an Asbestos Landfill approved by Boulder County.
11. Air Monitoring: The GAC shall conduct OSHA required personal air monitoring and analyze samples utilizing Phase Contrast Microscopy (PCM), NIOSH 7400 Method 'A' Rules. OSHA air monitoring results will be posted on-site within 24 hours of collection. Failure to post personal air monitoring results as specified may result in a stop work order that would remain in effect until results are posted.
The GAC will conduct clearance air monitoring. Clearance samples will be analyzed utilizing Phase Contrast Microscopy (PCM), NIOSH 7400 Method 'A' Rules.

If Boulder County finds that the work area has not been decontaminated to 0.01 f/cc or less the GAC shall repeat the wet cleaning until the work area is in compliance. After re-cleaning of unacceptable areas, the areas may sit an additional 24 hours prior to retaking final air samples. All associated costs for re-cleaning, collection and analysis of additional air samples shall be the GAC's responsibility.

DISPOSAL MANIFEST FORM

After the ACM waste has been received at an approved landfill the GAC will deliver the original manifest form to Boulder County.

SUBMITTAL REQUIREMENTS

Following the contract award, the GAC shall submit a detailed; project specific asbestos abatement Plan of Action for asbestos abatement work procedures to be used in the removal, disposal and transportation of asbestos containing and/or asbestos contaminated materials. Work shall be performed in accordance with OSHA 29 CFR 1926.1101, The State of Colorado and these specifications. The asbestos abatement plan of action shall include, but not be limited to the following:

1. Total man-power staffing chart to include supervisory personnel and number of abatement workers assigned to this project;
2. The number of proposed personnel (on each shift) to be assigned to this project and daily work performance schedule to accomplish project completion on schedule;
3. The resumes and qualifications of supervisory personnel to be assigned to this project;
4. The qualifications of the project superintendent: a minimum of five (5) years of experience for this discipline with a proven track record of performance and quality of work;
5. The contact information, qualifications and certifications of the proposed testing laboratory, including a contact person with phone number;
6. Performance schedule in accordance with the Specifications to complete the scope of work for this project;
7. Location and details of primary barriers, temporary supports and work platforms;
8. Location, layout and details of personnel and waste load-out, decontamination units, to include clean room, change room, showers, equipment rooms, waste load out holding area etc. (several personnel and waste load-out decontamination units shall be required);
9. Location, description and details of local negative air/exhaust ventilation systems;
10. Location and connection details for all temporary utilities;
11. Location for storage of materials and equipment at the site;

12. Locations, description and installation details of pressure differential monitoring device;
13. Air monitoring program and the responsible firm/individual that will be performing personnel air monitoring;
14. Interface of trades involved in the construction and sequencing of asbestos abatement and re-insulation related work;
15. Initial risk assessment in accordance with 1926.1101 to describe methods of respiratory protection;
16. A description of the method to be used to remove the asbestos containing material including locations of glove bag techniques, if being used;
17. The wetting agent to be used;
18. The post removal encapsulant to be used after removal;
19. A description of work practices to be observed by employees;
20. Decontamination procedures to be used for personnel and personal hygiene procedures;
21. Final decontamination and clean-up procedures;
22. Waste disposal plan including a description of the method to be used to transport waste material and location of dump site;
23. Emergency procedure plans.

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**HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD
ABATEMENT AND DECONSTRUCTION SERVICES**

DESCRIPTION OF DECONSTRUCTION SERVICES:

GENERAL INFORMATION

The intent of these specifications is to provide for the deconstruction and removal, as specified, of the structures and other improvements located at 257 Geer Canyon Road, Boulder, CO in a manner satisfactory to Boulder County and in accordance with all applicable local, state and federal laws, rules and regulations.

Please note that the deconstruction is for the designated structures, contents and improvements located on the Heil Valley Ranch II Open Space property. The structural integrity of the buildings to be deconstructed has not been assessed.

CONTRACTOR'S RESPONSIBILITY:

1. Deconstruction of improvements to the property
2. Items not to be Demolished or Removed
3. Removal, Recycling and Disposal of all Building Materials, Debris and Rubbish
4. Utility Disconnects and Removal to Property Lines or as stipulated
5. Removal of Concrete as stipulated
6. Site Restoration as stipulated
7. Security of Site (building and property) while Deconstruction is being Performed
8. Permits and Close Out Report
9. All costs associated with the deconstruction, removal, transportation and disposal of the building materials, permits etc.
10. Utility locates
11. Storm Water Management Plan

All work shall be performed in accordance with the all relevant Federal, State and local regulations as well as the following specifications. Wherever discrepancies exist between the specifications or regulatory agency requirements, the most stringent requirements or interpretations shall apply.

Specifications defining the work to be done were prepared on the basis of interpretation of information derived from work site investigations performed by Boulder County. Such information and data collected are subject to investigation and sampling errors.

The DC is responsible for compliance with all OSHA regulations that pertain to the operations being performed by their employees and all sub-contractors on this project. This includes but not limited to general construction standards, personal protective equipment, personal air monitoring, record keeping, Hazardous Communication requirements, placement of fire extinguishers, placement of directions for fire exits, ladder and scaffold safety and all other OSHA regulations. The DC is responsible for the safety and safe work practices of their personnel and any personnel sub-contracted to perform work under the DC's contract.

Structure Deconstruction:

1. Deconstruction of all improvements to the property to include but not limited to:
 - A. Base Bid Items
 1. Railroad Box Car
 2. Outbuilding #1
 - B. Add Alternate Bid Items
 1. Irwin Residence
 2. Quonset hut
 3. Outbuilding #2
2. The buildings will be demolished after the hazardous materials have been removed in accordance with Federal, State and local regulations.
3. Deconstruction will include all foundation walls and / or foundation slabs. All concrete will be removed as part of this project.

Items not to be Demolished or Removed:

1. The DC will endeavor to save all the trees and bushes that can be left in place while performing the deconstruction.
2. The DC will leave the road coming off Geer Canyon Road and Lefthand Canyon Drive in place and in good condition.
3. The DC will leave all fences on the boundaries of the property in place and undamaged.

Storm Water Management Plan:

1. The DC will develop a site specific Storm Water Management Plan (SWMP) for submittal to Boulder County (and any other governmental or regulatory agency as required) for review and approval prior to performing any deconstruction activities at this site.
2. The SWMP will be in accordance with all current regulatory requirements and it is recommended to contain drawings of the site or aerial photographs as part of the plan.

Removal and Disposal of all Building Materials, Debris and Rubbish:

1. All material generated by the deconstruction of the buildings and other improvements will be removed from the site and disposed of or recycled as it is generated by deconstruction operations.
2. Any current debris or rubbish that is present on the site will also be removed and disposed of as part of this project.
3. The DC is responsible for and will ensure that all building material is removed from the site.
4. LBP is present on several of the walls in the Irwin Residence and Quonset Hut. The DC is responsible for performing any testing required (TCLP) for disposal requirements.

Utility Disconnects and Removal to Property Lines or as stipulated:

1. The DC is responsible for performing all Utility locates.
2. The DC is responsible for all costs related to the utility disconnects, removal or protection.
3. The DC is responsible for any and all notifications to the Utility Companies and for scheduling/coordinating any services required of them along with any and all associated costs.
4. Utilities (electrical, water and sewer) will be turned off. Also, the sewer and water lines will not be removed back to the street, but to a location as designated by Boulder County and then capped. The DC will provide a survey that shows where the locations are for future use or the DC has the option of installing a marker to show the location.
5. The electrical service to the buildings is supplied from overhead lines. The power will be disconnected at the appropriate location, according to regulatory requirements and all numbered power poles left in place. The DC is responsible to contact the Utility Company for the final determination of which poles can be removed and which ones stay.

Removal of Concrete and Fences:

1. The DC will remove all concrete or other foundation materials from in, under or around the buildings. Only soil will remain at the sides or bottom of the buildings foundation excavations.
2. The DC will remove the concrete floor slabs from all the buildings.

Site Restoration:

1. The DC, after all demolished materials, debris and rubbish have been removed from the site, will provide clean fill to place in any areas that are lower than the surrounding surface, particularly where the building foundations were located.
2. The DC will fill the depressions to ground level and provide compaction of the fill to a 90% compaction. This action will be repeated until the fill is firm and settling will not occur.

Security of Site (building and property):

1. The DC is responsible for security of the building, grounds, equipment, supplies, materials and all other items from the time they begin work on the site until all work has been completed and accepted by Boulder County and they have demobilized from the site.
2. The DC will secure the site of the building to be demolished, including, but not limited to, the construction of fencing or other protective barriers, police protection and protection of area residents from any and all hazards during the deconstruction as deemed necessary to insure the safety of the public.

Boulder County will not authorize overnight camping for security purposes; all camping is prohibited in county open space properties.

Close Out Report:

1. The DC will provide Boulder County all close out documentation for the deconstruction of the buildings including, but not limited to waste disposal manifests, etc.

ACCESS

The DC will access the property from the entrance on Geer Canyon Road and Lefthand Canyon Drive.

Entering and exiting of Heil Valley Ranch II by tractor-trailer rigs will not disrupt the traffic flow. It is the DC's responsibility to obtain any required permits and operate in accordance with the permits. The DC shall develop a traffic control plan that describes their intent on how to enter and exit the property. This plan will be submitted to Boulder County to obtain approval of the plan.

The DC will not track mud and debris out into or on roads and highways.

DEFINITION OF CLEAN FILL

Clean fill is defined as soil that is free from rocks and debris and will sustain growth of the cover grasses to be planted. The clean fill will be used to fill the entire holes or depressions where excavation was performed. Fill consisting of rocks, concrete or other types of materials and then covered with clean soil is not permitted.

REQUIREMENTS

The DC will include in the bid the price of the deconstruction and removal of the structures and other improvements, back-filling of all holes or depressions generated by the deconstruction and rough grading and tamping of backfill to prevent erosion or surface water nuisance on this cleared lot, removing trash, rubbish and debris, leaving the lot clean and leveled to a uniform grade. Deconstruction and removal of the buildings will be as required by Boulder County Building Codes. No deconstruction work will begin until a permit is issued and required fees are paid.

1. The DC is required to have a licensed professional remove and legally dispose of oil tanks, boilers, water tanks, etc. if any are located on the property. The DC will view the property and investigate for such elements prior to submitting a bid.
2. Deconstruction should proceed in a systematic manner, from top to bottom. Complete deconstruction work above each floor or tier before disturbing supporting members on lower levels.
3. Concrete will be demolished in small sections.
4. Locate deconstruction equipment throughout structure and remove materials so not to impose excessive loads to supporting walls, floors or framing.
5. Demolish and remove foundation walls and other below grade construction, including concrete slabs to their entire depth. No foundation walls or other below grade construction will be allowed to remain in place.

6. Properly dispose of debris away from site in an approved disposal area.

HAZARDOUS MATERIALS

The DCs who submit bids for the deconstruction of the structures are responsible for viewing the site and determining the nature and extent of all hazardous materials and special handling materials, which exist prior to bidding. **The estimated extent of hazardous materials and the estimated cost to legally remove and dispose of any hazardous materials will be included in the bid, (Information on these materials is provided as a part of the Asbestos/Lead Abatement Section.**

The reasonable cost to remove any additional hazardous materials found during the deconstruction, above and beyond those contained in the base bid, will be compensated for through change orders to the original contract. Requests for such change orders will be submitted to Boulder County in writing and include copies of the investigation reports, an itemized breakdown of the costs to remove and legally dispose of the additional hazardous materials and documentation to support the requested costs of disposal are reasonable. If Boulder County determines that the additional costs are fair and reasonable and accurate, compensation will be considered.

LICENSES

Bidders shall be licensed contractors in the State of Colorado and Boulder County to be eligible to bid on this project.

ABILITY AND EXPERIENCE OF BIDDER

Boulder County reserves the right to reject bids that do not include evidence of prior experience and current capabilities, including manpower and equipment, necessary to prosecute the required deconstruction and to successfully complete the work in the time named in the contract to do so.

PERMITS

The DC will obtain all necessary permits at the contractor's expense before commencing work, including all arrangements with utility companies, CDPHE and Boulder County Departments that require permits for this type of activities. The DC is responsible for obtaining a Building Permit (includes deconstruction) from Boulder County prior to performing any deconstruction activities.

SANITARY AND DRAINAGE CONNECTIONS AND ALL OTHER UTILITIES

The DC will assure that all utilities (e.g. water, sewer, gas, electricity, etc.) are disconnected and appropriate steps taken to protect the DC's interest in the property (e.g. capping of disconnected sewers) prior to the scheduling of deconstruction.

DECONSTRUCTION DISPOSAL AND FEES

The DC will assure that the building inspector, or other officials designated by Boulder County's Building Division, is aware of their deconstruction operations at all times. The DC must provide sufficient evidence for a determination that he and all other subcontractors meet all Federal, State and local laws and regulations and the terms and conditions of this contract. Without limiting the foregoing, the DC is responsible for removal and proper off-site disposal of deconstruction debris, including any other

hazardous debris, including but not limited to Asbestos/Lead and other RBM (Regulated Building Materials). **It is the responsibility of the DC to determine the nature and extent of all hazardous and special handling materials, which exists on the site prior to bidding.** The DC will submit evidence of such legal removal and disposal, in the form of trucking slips, and in the case of hazardous materials, disposal permits, as part of their payment request to Boulder County.

PROTECTION OF ADJACENT PROPERTIES

The DC will provide protection of all adjacent properties. All deconstruction is to be confined to the property boundaries. No deconstruction activities are to be conducted on any public way without both prior consent and/or permits from Boulder County.

Work shall not be conducted on adjacent private property. All adjacent streets must be protected during the deconstruction activities.

BUILDING SEARCH

The DC will conduct a thorough search of the property immediately prior to the deconstruction to assure that the structures are vacant.

INVESTIGATION OF CONDITIONS

Bidders are required to submit their bids upon the express condition that they have noted the site of the proposed work and are fully acquainted with the work to be performed under this contract.

The DCs are expected to make their estimates of the facilities needed and the difficulties attending the execution of the proposed contract, including local conditions, availability of labor, weather and other contingencies. In no event will Boulder County assume any responsibility whatever for interpretation, deduction or conclusion drawn from the inspection of the site. Failure to acquaint themselves with all available information concerning these conditions will not relieve the successful bidder from responsibility for estimating difficulties and costs of successfully performing and completing the work.

METHOD AND ORDER OF DECONSTRUCTION

The method of deconstruction to be used will not include burning, or fire, or explosives, of any form on the premises.

The DC will demolish the structures in a safe and orderly manner and remove all rubbish and other materials from the premises to the satisfaction and approval of Boulder County and in accordance with the Deconstruction Permit.

The DC will leave the premises free of rubbish and other like materials including existing rubbish found on the premises.

BID# 6673-17
HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD
ABATEMENT AND DECONSTRUCTION SERVICES

BID TAB:

The bids are to be separated out per the following item numbers as listed below.
In all cases work is to include all labor, materials and equipment.

1. BID TOTAL GEER CANYON SITE: \$ _____
(Abatement & Deconstruction)

2. BID TOTAL ADD ALTERNATE LEFTHAND CANYON SITE: \$ _____
(Abatement & Deconstruction)

Company Name

Name of person and title submitting BID (PLEASE PRINT)

Signature of Bidder

SUBMITTAL SECTION:

Please submit the following information in the order listed below:

- A. Name of company / organization including DBA
- B. List the type of organization: (Corporation, Partnership, etc.)
- C. Complete Company Address
- D. Names and Address of the Partners if applicable
- E. Contact Person(s)
- F. Company telephone number, website, Fax, e-mail
- G. Submit three references and their contact information
- H. Copies of Certifications and/or Licenses', as described in BID documents

Proposers should review the BID to ensure all submittals for the specific Project, Heil Valley Ranch II and the qualifications for the continuing services short-list are included.

BID # 6673-17
HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD
ABATEMENT AND DECONSTRUCTION SERVICES

SIGNATURE PAGE:

SIGN AND RETURN THIS SUBMITTAL PAGE WITH YOUR BID.

Contact Information	Response
Company Name including DBA	
List type of organization (Corporation, Partnership, etc.)	
Name and Title of Person authorized to contract with Boulder County	
Name and Title of Person submitting Bid	
Email address for Person submitting Bid	
Company Address	
Company Telephone Number	
Company Website	
Company Fax Number	

By signing below I certify that:
 I am authorized to bid on my company's behalf.
 I am not currently an employee of Boulder County.
 None of my employees or agents is currently an employee of Boulder County. I
 am not related to any Boulder County employee or Elected Official.
I am not a Public Employees' Retirement Association (PERA) retiree.

 Signature of Person Authorized to Bid on
 Company's Behalf

 Date

Note: If you cannot certify the above statements, please explain in a statement of explanation.

ATTACHMENT “A”

**CONTRACTOR
QUALIFICATION STATEMENT**

Instructions/Terms

1. This Qualification Statement (“QS”) is required for Bids submitted for **HEIL VALLEY RANCH II OPEN SPACE ASBESTOS/LEAD ABATEMENT AND DECONSTRUCTION SERVICES**. The QS shall be submitted to the County with your BID.
2. This QS shall be completed by a company officer or manager of the submitting firm who has sufficient knowledge to fully address all matters and respond to all inquiries herein.
3. The firm submitting this QS (“Firm” or the “Contractor”) shall be fully responsible for and bound by all information, data, certifications and disclosures included in this statement and any attachments hereto.
4. The Contractor understands that the information and data provided in connection with this QS, and any other relevant information obtained from any other sources regarding the Firm, shall be reviewed to determine whether it qualifies as a “responsible contractor” and whether its offer represents the best value to the County.
5. The Contractor understands that its failure to meet responsibility and qualification standards may render it ineligible to perform work on this project (hereinafter “Contract Work.”)
6. It is the Contractor’s responsibility to carefully review and complete this document. The failure to submit information or documents required by this QS, or the submission of any false statement, misrepresentation, or omission regarding a material fact concerning any aspect of this QS, may render the Firm ineligible for contract.
7. The Contractor hereby agrees that if it is awarded the contract, this QS, all terms and conditions specified herein, and all information, data, certifications and disclosures included in this statement or its attachments will be incorporated into the contract.
8. In the event a contract is awarded to the Firm and it is later determined that the Firm failed to disclose requested information, or made a false statement, misrepresentation, or omission regarding a material fact concerning any aspect of this QS, the Firm may be considered in default and the County may terminate the contract immediately and/or withhold full or partial payment as it deems appropriate.
9. Where additional space is needed to provide requested information, the Firm should provide such information in separate, numbered attachments affixed to this QS.
10. Label attachments to this QS according to subject matter and include a table of contents listing the names and numbers of all attachments.

Part I: Basic Qualifications

Section 1: Firm Background/Resources

1. Name of Firm _____

** Indicate whether the Firm is a corporation, joint venture, dba, limited liability company, partnership, sole proprietorship or other type of business entity. If corporation, provide names of officers; if joint venture, provide names of joint ventures; if limited liability co., provide names of members; if partnership, provide names of partners; if sole proprietorship or other, provide names of owners.*

2. Address/Contact Information: _____

**Provide mailing address of Firm, website, e-mail, telephone number and fax number. If address is a branch office, also provide principal home office address.*

3. Years in Business: _____

4. Related Firms/Changes in Company Name: _____

**Identify any parent companies, subsidiaries, sister companies or holding companies to which the firm is related. If additional space is needed, provide information in an attachment. If the Firm has previously operated under another name within the past five years, identify other names used.*

5. Identify all jurisdictions in which the Firm is licensed, registered or otherwise qualified to do business: _____

**Use attachment if necessary, provide applicable license, certificate, registration numbers for each jurisdiction.*

6. Recent Construction Volume: Provide annual construction volume in dollars performed by Firm in the past three years:

Year _____
Year _____
Year _____

7. Percentage of Work Self-Performed: Identify the percentage of work the Firm typically performs with its own work force: _____

8. Classifications of Work Self-Performed: Identify the types of work typically performed by the Firm with its own work force:
-
-
9. Provide Firm's organizational chart, if available.
10. Identify and submit contact information and three references for subcontractors that will provide services to the Firm for this project.
11. Identify and submit contact information and three references from architects or engineers and three references from subcontractors that the Firm has worked with in the last five years.

Section 2: Required Disclosures

The Contractor submitting this QS shall answer the following questions with regard to the past five (5) years. If any question is answered in the affirmative, the Firm shall submit an attachment, providing details concerning the matter in question, including applicable dates, locations, names of projects/project owners and circumstances.

1. Has the Firm been debarred, suspended or otherwise prohibited from doing business with any federal, state or local government agency, or private enterprise?
Yes ___ No ___
2. Has the Firm been denied prequalification, declared non-responsible, or otherwise declared ineligible to submit bids or proposals for work by any federal, state or local government agency, or private enterprise?
Yes ___ No ___
3. Has the Firm defaulted, been terminated for cause, or otherwise failed to complete any project that it was awarded?
Yes ___ No ___
4. Has the Firm been assessed or required to pay liquidated damages in connection with work performed on any project?
Yes ___ No ___
5. Has the Firm had any business or professional license, registration, certificate or certification suspended or revoked?
Yes ___ No ___
6. Have any liens been filed against the Firm as a result of its failure to pay subcontractors, suppliers, or workers?
Yes ___ No ___
7. Has the Firm been denied bonding or insurance coverage, or been discontinued by a surety or insurance company?
Yes ___ No ___

8. Has the Firm been found in violation of any laws, including but not limited to contracting or antitrust laws, tax or licensing laws, labor or employment laws, environmental, health or safety laws?
Yes ___ No ___
**With respect to workplace safety laws, this statement is limited to willful federal or state safety law violations.*
9. Has the Firm or its owners, officers, directors or managers been the subject of any criminal indictment or criminal investigation concerning any aspect of the Firm's business?
Yes ___ No ___
10. Has the Firm been the subject to any bankruptcy proceeding?
Yes ___ No ___

Part II: Past Performance Review

Section 1: Project Listings & Past Performance Data

1. The Contractor shall submit three projects that are similar in size, scope and complexity to the Contract Work, public or private, it has performed in the last five years in an attachment labeled "Past Projects."
2. List projects in reverse chronological order, beginning with most recent. For each project listed, the Contractor shall provide the following information.
 - a. The name, location and project number of the project.
 - b. The names, addresses and phone numbers of at least two owner representatives familiar with the Contractor's performance on the project (may include owners, project managers, architects, engineers).
 - c. The original date for schedule completion and actual completion date.
 - d. Any performance ratings given to the Contractor (whether descriptive, e.g., good, satisfactory, or numerical, e.g., 80 out of 100, or other).
3. The Contractor shall submit a complete list of all open or on-going projects, public and private, in an attachment labeled "Current Projects." List projects in reverse chronological order, beginning with the most recent. For each project listed, provide the following information.
 - a. The name, location and project number of the project and percentage of work completed to date.
 - b. The names, addresses and phone numbers of at least two owner representatives familiar with the Contractor's performance on the project (may include owners, project managers, architects, engineers).
 - c. The original date for schedule completion and estimated completion date.

Section 2: Performance Evaluation Reports

1. The Contractor shall submit an attachment, copies of all performance evaluation reports in its possession or control for all past and current projects, public and private for the past five years.
2. For purposes of this Section the term performance evaluation reports should be interpreted to mean any documents within the Contractor's control or possession that were prepared to evaluate, rate or score in any way the contractor's performance on projects.

Section 3: Contractor Safety Record

1. Provide the Contractor's Workers Compensation Experience Modification Rating for the past three years, beginning with the most recent year available:

Year 1: [e.g. 2010: 1.0]
Year 2: [e.g. 2011: 1.1]
Year 3: _____

2. Provide the Contractor's Lost Time Incidence Rate for the most recent year: _____
3. Provide the Contractor's Recorded Incidence Rate for the most recent year: _____
4. Identify in an attachment any citations issued by federal or state safety agencies for serious violations issued in the past five (5) years. Provide a listing of the citation number, a brief description of the violation and the amount of penalty, if any, for each violation.

Section 4: Pending Legal Matters

1. Claims, Judgments, Lawsuits: Are there any pending claims, judgments, lawsuits or alternative dispute proceedings involving the Firm that involve potential damages of \$10,000 or more?

Yes No If yes, provide details in an attachment.

2. Complaints, Charges, Investigations: Is the Firm currently the subject of any complaint, investigation or other legal action for alleged violations of law pending before any court or governmental agency?

Yes No If yes, provide details in an attachment.

Part III: Required Representations

In submitting this QS, the Firm makes the following representations, which it understands are required as a condition of performing the Contract Work and receiving payment for same.

1. The Firm will possess all applicable professional and business licenses required for performing work in Boulder County.

2. The Firm satisfies all bonding and insurance requirements as stipulated in the solicitation for this project.
3. The Firm and all subcontractors that are employed or that may be employed in execution of the Contract Work shall be in full compliance with Boulder County's requirements for workers' compensation insurance.
4. The Firm represents that it has no conflicts of interests with Boulder County if awarded the Contract Work and that any potential conflicts of interest that may arise in the future will be disclosed immediately to Boulder County.
5. The Firm represents the price offered and other information submitted in connection with its BID for the Contract Work were arrived at independently without consultation, communication or agreement with any other offeror or competitor.
6. The Firm will ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin.

The undersigned hereby represents that all statements, representations, information and documents provided in or with this Qualification Statement and attachments hereto are complete, accurate and truthful.

Signature of Authorized Representative

Date

Position/Title

Print Name

Firm Name

ATTACHMENT B
BOULDER COUNTY
CONTRACT FOR SERVICES

THIS CONTRACT ("Contract") is entered into between the COUNTY OF BOULDER, State of Colorado, acting by and through its Board of County Commissioners ("County") and LEGAL COMPANY NAME INCLUDING DBA ("Contractor"), a Colorado Corporation, Address, City, State, zip code, telephone number 000-000-0000 and fax number 000-000-0000, (collectively, the "Parties").

RECITALS:

A. The COUNTY desires to obtain professional SERVICES, in connection with certain projects (hereinafter referred to individually as a "Project" and collectively as the "WORK"), which the Boulder County Parks and Open Space Department may conduct during the 2017 calendar year; and

B. The CONTRACTOR represents that it possesses the necessary qualifications to perform the WORK for the COUNTY; and

C. The COUNTY deems it to be in the public interest to engage the CONTRACTOR to perform the WORK as stated above; and

D. The selection of the CONTRACTOR by the COUNTY was based upon a comparative evaluation of the professional qualifications necessary for satisfactory performance of the WORK in relation to other available SERVICES so qualified and specifically, upon the COUNTY'S review of the CONTRACTOR'S bid to the COUNTY to provide the WORK, BID NO. XXXX-XX (hereinafter referred to as the "Bid").

NOW, THEREFORE, in consideration of the rights and obligations specified below, the County and the Contractor agree as follows:

1. Incorporation into Contract: The following documents (the "Contract Documents") are each expressly incorporated into this Contract by reference:

a. The attached Bid Specifications of Boulder County BID No. XXXX-XX and Addendum, together with any alterations and/or modifications to these Specifications ("the Bid Documents");

b. The attached Contractor's proposal in response to the Bid Document (the "Proposal") including the Contractor's fee schedule.

2. Work to be Performed: The Contractor agrees that it will, in a good and workmanlike manner, at its own cost and expense and strictly in accordance with this Contract, including all documents incorporated herein, furnish all labor, material and equipment and do all work necessary, or incidental to complete Boulder County Projects specified as: SERVICES (hereinafter referred to as the "Project").

CONTRACTOR further acknowledges that the COUNTY may enter into Continuing Services Contracts with other Contractors who shall compete with CONTRACTOR to receive individual Projects. CONTRACTOR will only be paid for Projects awarded to the CONTRACTOR through the County's bid process. The CONTRACTOR acknowledges that this CONTRACT does not constitute a guarantee that CONTRACTOR will receive any Projects or Work of any kind under this CONTRACT and in such event, CONTRACTOR would not receive any payment from COUNTY.

3. Quality of Performance: The Contractor shall perform the Contract in a manner satisfactory and acceptable to the County. The County shall be the sole judge of the quality of performance.

4. Schedule of Work: The Contractor shall perform the Work during the hours designated by the County so as to avoid inconvenience to the County and its personnel and interference with the County's operations. Project schedules will be identified as awarded by the County.

5. Payment: In consideration of the foregoing, the County hereby agrees to pay to the Contractor the amounts required for the completion of each specified Project, as Awarded, NOT TO EXCEED A TOTAL ANNUAL AMOUNT OF \$0 PER CALENDAR YEAR, ON A PROJECT-BY-PROJECT BASIS, FOR ALL CONTRACTORS UNDER THE SERVICES PROJECTS, BID NO. XXXX-XX, all according to the provisions and subject to the conditions as set forth in the Contract Documents.

Projects Awarded, on a Project-by-Project basis, shall have a total amount specified in each Contractor's proposal awarded and the amount will be mutually agreed upon by all Parties, in writing, prior to work commencing.

Contractor shall submit, in writing, to Boulder County, a request for all payments. Upon receipt of applicable guaranties/warranties as specified in paragraph 9, Representations, Guaranty and Warranties, final payment shall be paid upon the satisfactory completion of each Project and provided that no claims are made against the Project, based upon responses from the Notice of Final Settlement, AS APPLICABLE. The County, in its sole discretion, shall determine satisfactory completion.

Invoices submitted must contain sufficient information detailing all expenses. Invoices shall be submitted on company letterhead and include, but not limited to, depending on the activity completed, designated project name, date(s), type of work performed, rate per hour, number of hours worked, mileage, mileage rate, and any associated administrative fees. Additionally, all invoices should contain the current date, invoice number, amount due and current return address.

- a. Send completed invoices to:
pospayables@bouldercounty.org or to
Boulder County
Parks and Open Space Department
Attention: A/P
5201 St. Vrain Road
Longmont, CO 80503
- b. Failure to submit invoices in a timely manner and in accordance with the terms of this Contract may cause a delay in payment.
- c. The County reserves the right to recoup any damages incurred as a result of Contractors failure to submit invoices pursuant to the terms of this paragraph.

6. Term and Time: This Contract shall begin and become effective on and as of the date of execution by the parties, which the date is specified on the signature page of this Contract and shall be effective through December 31, CURRENT YEAR. It is further agreed that TIME IS OF THE ESSENCE and work shall begin within five (5) days of execution of the Contract and when a "Notice to Proceed" has been issued by the County, weather permitting, unless the time has been determined differently by the County, in writing, in its sole discretion.

Additional Projects Awarded, on a Project-by-Project basis, shall have a Start Date indicated in the "Notice to Proceed" notification and a completion date included in each Project Scope of Work.

7. Extension and/or Renewal of Contract Term:
 - a. The County, in its sole discretion, may elect to extend the term of this Contract. In the event the County elects to exercise this right, it shall send notice to Contractor, pursuant to paragraph 24, of its intent to extend the term of the Contract. The notice shall set forth the length of the extension.

- b. Upon mutual agreement by the parties, this Contract may be renewed for four (4) additional one-year periods through December 31, PROJECT CURRENT + FOUR, during which time this Contract shall be in full force and effect, subject to the termination provisions of paragraph 22. If this option to renew is exercised, the parties shall execute a written agreement no later than thirty (30) days before the expiration of this Contract.
- c. All of the provisions of this Contract shall remain in full force and effect during any extension or renewed term except that the scope of services and compensation to be paid to Contractor during any extension or renewed term shall be mutually agreed upon prior to the commencement of any extension or renewed term. The agreed upon scope of services and compensation shall be reduced to writing, signed by both parties, and attached to this Contract.
- d. TEN CALENDAR DAYS BEFORE THE COMMENCEMENT OF ANY EXTENDED TERM, THE CONTRACTOR SHALL SUBMIT, TO THE COUNTY, PROOF OF INSURANCE AS REQUIRED IN PARAGRAPH 16.
- e. Should the parties fail to agree upon the scope of work or compensation to be paid to Contractor for any extension or renewed term, or should Contractor fail to submit the required documents within the time period specified in paragraph 7(d), then this Contract shall terminate at the end of the then current term and no extension or renewal of the term of the Contract shall occur.

8. Retainage: The County reserves the right to withhold a retainage of ten percent (10%) on any or all payments until all of the work is accepted by the County, at its sole discretion, as satisfactory and complete.

9. Representations, Guaranty and Warranties: Contractor shall furnish the County with a written guaranty covering all labor, materials and workmanship incorporated in the work for one year upon completion of the Project. Where the specifications require additional warranties or guarantees, the Contractor shall procure such warranties and deliver them to the County on completion of the work. Such warranties will not lessen the Contractor's responsibilities under the purchase order documents. Whenever warranties or guarantees are required by the specifications for a period longer than one year, such longer

period shall govern. Contractor acknowledges final payment terms as specified in paragraph 5, Payment.

Contractor represents and warrants the following to The County, as a material inducement to the County to execute this Contract, which representations and warranties shall survive the execution and delivery of this Contract, any termination of this Contract, and the final completion of the work.

- a. Execution of this Contract and performance thereof is within the Contractor's duly authorized powers;
- b. Any individual executing this Contract is authorized to do so by the Contractor;
- c. The Contractor is authorized to do business in the State of Colorado and is properly licensed by all necessary governmental and public and quasi-public authorities having jurisdiction over the Work and the project; and
- d. The Contractor and its subcontractors, if any, are financially solvent, able to pay all debts as they mature, and possessed of sufficient working capital to complete the work and perform all obligations under the Contract.

10. Bond Submittal: IF APPLICABLE, The combined bonds are required and must be in an amount equal to one hundred percent (100%) of the price specified in paragraph 5, Payment.

a. Payment Bond: This Contract shall not take effect or be in force until said Contractor shall have furnished and delivered to the County a surety bond acceptable to the County, in a penal sum equal to the nearest integral \$100.00 in excess of the estimated Contract price as per proposal hereto attached, duly executed by a corporate surety, qualified and licensed to do business in Colorado and maintaining a general agent therein.

b. Performance Bond: This Contract shall not take effect or be in force until said Contractor shall have furnished and delivered to the County a surety bond acceptable to the County, in a penal sum equal to the nearest integral \$100.00 in excess of the estimated Contract price as per proposal hereto attached, duly executed by a corporate surety, qualified and licensed to do business in Colorado and maintaining a general agent therein.

11. Permits, Licenses, Locates and Codes: The Contractor shall have full responsibility for identifying and obtaining, prior to the start of work under this Contract, and for maintaining throughout the term of this Contract, any permits and licenses which may be required in order to carry out the work. The Contractor shall also be responsible for following all State and County codes, which may be required in order to carry out the Project. The Contractor shall also be responsible for all "locates" of all public utilities related to performing work under the terms of this Contract. The Contractor shall also be responsible for insuring that any of its subcontractors performing work under the terms of this Contract also satisfy the provisions of this paragraph.

12. Contractor Licensing: General contractors, HVAC contractors, and roofing contractors require licensing through Boulder County. Electricians and plumbers must be state-licensed and registered with the Boulder County Building Safety and Inspection Division. It is the responsibility of the Contractor to apply for and ensure the appropriate Contractor's license is obtained prior to project commencement. In addition, the Contractor is responsible for submitting a copy of the current license to the Parks and Open Space Contract Coordinator as listed in paragraph 24, Notices. Project shall not proceed until said document is received by the Parks and Open Space Contract Coordinator, if applicable, as determined by the Boulder County Building Safety and Inspection Division.

13. Sustainability: The County encourages the Contractor to incorporate the practice of recycling and/or reuse of construction and/or de-construction materials in a manner that will allow maximum recycling/reuse of Project materials.

14. Indemnity: The Contractor shall be liable and responsible for any and all damages to persons or property caused by or arising out of the actions, obligations, or omissions of the Contractor, its employees, agents, representatives or other persons acting under the Contractor's direction or control in performing or failing to perform the Work under this Contract. The Contractor will indemnify and hold harmless the County, its elected and appointed officials, and its employees, agents and representatives (the "indemnified parties"), from any and all liability, claims, demands, actions, damages, losses, judgments, costs or expenses, including but not limited to attorneys' fees, which may be made or brought or which may result against any of the indemnified parties as a result or on account of the actions or omissions of the Contractor, its employees, agents or representatives, or other

persons acting under the Contractor's direction or control.

15. Governmental Immunity: Nothing in this Contract shall be construed in any way to be a waiver of the County's immunity protection under the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, et seq., as amended.

16. Insurance Requirements: The Contractor shall procure and maintain at its own expense, and without cost to the County, the following kinds and minimum amounts of insurance for purposes of insuring the liability risks which the Contractor has assumed until this Contract has expired or is terminated:

a. Commercial General Liability.

Coverage should be provided on an Occurrence form, ISO CG0001 or equivalent. The policy shall be endorsed to include Additional Insured endorsements CG 2010 (or equivalent), Designated Construction Projects General Aggregate Endorsement CG2503 (or equivalent) and Additional Insured (for products/completed operations) CG 2037 (or equivalent). Minimum limits required of \$1,000,000 Each Occurrence, \$2,000,000 General Aggregate and \$2,000,000 Products Completed Operations Aggregate". The County requires Products/Completed Operations coverage to be provided 2 years after completion of construction. An endorsement must be included with the certificate.

b. Automobile Liability.

Bodily Injury and Property Damage for any owned, hired, and non-owned vehicles used in the performance of the Contract. Minimum limits \$1,000,000 Each Accident.

c. Workers' Compensation and Employer's Liability.

Workers' Compensation must be maintained with the statutory limits. Employer's Liability is required for minimum limits of \$100,000 Each Accident/\$500,000 Disease-Policy Limit/\$100,000 Disease-Each Employee.

d. Professional Liability (Errors and Omissions).

Professional liability coverage with minimum limits of \$1,000,000 Per Loss and \$1,000,000 Aggregate. Professional Liability provisions indemnifying for loss and expense resulting from errors, omission, mistakes or malpractice is

acceptable and may be written on a claims made basis. The contractor warrants that any retroactive date under the policy shall precede the effective date of this Contract; and that either continuous coverage will be maintained or an extended discovery period will be exercised for a period of two (2) years beginning at the time work under this Contract is completed.

e. Pollution Liability.

Coverage shall cover the Contractor's completed operations. The coverage must also include sudden and gradual pollution conditions including clean-up costs when mandated by governmental authority, when required by law or as a result of a third party claim. Minimum limits required are \$1,000,000 Per Loss and \$1,000,000 Aggregate. If the coverage is written on a claims-made basis, the Contractor warrants that any retroactive date applicable to coverage under the policy precedes the effective date of this Contract; and that continuous coverage will be maintained or an extended discovery period will be exercised for a period of three (3) years beginning from the time that work under this contract is completed.

The Contractor shall forward certificates of insurance directly to the Boulder County Parks and Open Space Department, 5201 St. Vrain Road, Longmont, Colorado, 80503, Attention: CONTACT, demonstrating that the insurance requirements have been met prior to the commencement of Work under this Contract.

Boulder County shall be named as an additional insured for General Liability and Pollution Liability, as designated in the contract. Additional insured shall be endorsed to the policy.

The additional insured wording shall be as follows: County of Boulder, State of Colorado, a body corporate and politic, is named as Additional Insured.

Certificate Holder:

Boulder County
Attn: Risk Manager
P.O. Box 471
Boulder, CO 80306

Notice of Cancellation: If any insurance company refuses to provide the required notice, the Contractor or its insurance broker shall notify the County of any cancellation, suspension, and/or nonrenewal of any insurance within seven (7) days of receipt of

insurers' notification to that effect.

17. Nondiscrimination: The Contractor agrees to comply with the letter and spirit of the Colorado Anti-Discrimination Act, C.R.S. § 24-34-401, et seq., as amended, and all applicable local, state and federal laws respecting discrimination and unfair employment practices. Boulder County prohibits unlawful discrimination on the basis of race, color, religion, gender, gender identity, national origin, age 40 and over, disability, socio-economic status, sexual orientation, genetic information, or any other status protected by applicable federal, state or local law and the Boulder County Policy manual (of which is available upon request).

18. Nondiscrimination Provisions Binding on Subcontractors: In all solicitations, either by competitive bidding or negotiation, by the Contractor for any Work related to this Contract to be performed under a subcontract, including procurement of materials or equipment, the Contractor shall notify each potential subcontractor of the Contractor's obligations under this Contract, and of all pertinent regulations relative to nondiscrimination and unfair employment practices, as set forth above.

19. Sanctions for Noncompliance: In the event of the Contractor's noncompliance with the nondiscrimination provisions of this Contract, as determined by the County within its sole discretion, the County shall impose such contract sanctions as it may determine to be appropriate, including, but not limited to:

- a. withholding of payments to the Contractor under the Contract until the Contractor complies with the nondiscriminatory provision set forth in paragraph 17 of this Contract; and/or
- b. cancellation, termination, or suspension of the Contract, in whole or in part, effective upon seven (7) days written notice to the Contractor pursuant to paragraph 22 of this Contract.

20. Subcontractors: The Contractor will include the provisions of paragraphs 17 through 19 in every subcontract, including procurement of materials and leases of equipment. The Contractor will take such action with respect to any subcontractor or procurement as the County of Boulder may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the County may, at its own

discretion, enter into such litigation to protect the interests of the County.

21. Post Completion: Final payment made to the Contractor, on account of the work, shall not operate to relieve the Contractor of responsibility for faulty material or workmanship, and unless otherwise provided, the Contractor shall remedy any defect due thereto and pay for any damages resultant there from.

22. Termination and Related Remedies:

a. The other provisions of this Contract notwithstanding, financial obligations of Boulder County payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted and otherwise made available. Boulder County is prohibited by law from making financial commitments beyond the term of its current fiscal year. The County has contracted for goods and/or services under this Contract and has reason to believe that sufficient funds will be available for the full term of the Contract. Where, however, for reasons beyond the control of the Board of County Commissioners as the funding entity, funds are not allocated for any fiscal period beyond the one in which this Contract is entered into, the County shall have the right to terminate this Contract by providing seven (7) days written notice to the Contractor pursuant to paragraph 24, and will be released from any and all obligations hereunder. If the County terminates the Contract for this reason, the County and the Contractor shall be released from all obligations to perform Work and make payments hereunder, except that the County shall be required to make payment for Work which has been performed by the Contractor prior to the effective date of termination under this provision; and, conversely, the Contractor shall be required to complete any Work for which the County has made payment prior to providing written notice to the Contractor of the termination. In such an event, Boulder County is released from all liability whatsoever and will not be responsible for payment of any costs or expenses incurred in reliance upon this Contract beyond that amount which has been appropriated and made available for this Contract and neither party shall have any further liability hereunder, said Contract to cease and terminate as of such date.

b. If the Contractor defaults or persistently fails or neglects to carry out the Work in accordance with the Contract, or fails to perform any provision of the Contract, the County, after seven (7) days written notice to the Contractor and without prejudice to any other remedy it may

have, may make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor or, at its option, may terminate the Contract and may finish the Work by whatever method it may deem expedient, if such expense exceeds the unpaid balance of the Contract, the Contractor shall pay the difference to the County.

c. In the event the County exercises either of the termination rights specified in paragraphs 22(a) or 22(b), this Contract shall cease to be of any further force and effect, with the exception of all Contract remedies which are specified herein and may otherwise be available to the parties under the law, and with the exception of any rights or liabilities of the parties which may survive by virtue of this Contract.

d. The preceding provisions notwithstanding, the County may terminate this Contract, either in whole or in part, for any reason, whenever the County determines that such termination is in the County's best interests. Such termination shall be effective after the County provides seven (7) days written notice to the Contractor pursuant to paragraph 24.

Termination of work hereunder shall be effected by the delivery to the Contractor of a "Notice of Termination" specifying the extent to which performance of work, under the Contract, is terminated and the date upon which such termination becomes effective. After receipt of the "Notice of Termination", the Contractor shall cancel its outstanding commitments hereunder covering the procurement of materials, supplies, equipment and miscellaneous items. In addition, the Contractor shall exercise all reasonable diligence to accomplish the cancellation or diversion of its outstanding commitments covering personal services and extending beyond the date of such termination to the extent that they relate to the performance of any work terminated by the notice. The Contractor shall then submit a written claim for all outstanding amounts to the County, due within the timeframe as specified, thirty (30) days, upon receipt of "Notice of Termination", from the County.

23. Independent Contractor: The Parties recognize and agree that the Contractor is an independent contractor for all purposes, both legal and practical, in performing services under this Contract, and that the Contractor and its agents and employees are not agents or employees of Boulder County for any purpose. As an independent contractor, the Contractor shall be responsible for employing and directing such personnel and agents as it requires to perform the services purchased under this Contract, shall exercise complete authority over its personnel and agents, and shall be

fully responsible for their actions.

Contractor acknowledges that it is not entitled to unemployment insurance benefits or workers' compensation benefits from Boulder County, its elected officials, agents, or any program administered or funded by Boulder County. Contractor shall be entitled to unemployment insurance or workers' compensation insurance only if unemployment compensation coverage or workers' compensation coverage is provided by Contractor, or some other entity that is not a party to this Contract. Contractor is obligated to pay federal and state income tax on any monies earned pursuant to this Contract.

24. Notices: For purposes of the notices required to be provided under paragraphs 7, 16, and 22, all such notices shall be in writing, and shall be either sent by Certified U.S. Mail - Return Receipt Requested, Electronic Mail (Email) or hand-delivered to the following representatives of the parties at the following addresses:

For the County: Parks and Open Space Department
Attention: CONTACT
5201 St. Vrain Road
Longmont, CO 80503

For the Contractor: Name of Company
Project Contact
Address
City, State ZIP
EMAIL

In the event a notice is mailed pursuant to the provisions of this paragraph, the time periods specified in paragraph 22 shall commence to run on the day after the postmarked date of mailing.

25. Statutory Requirements: This Contract is subject to all statutory requirements that are or may become applicable to counties or political subdivisions of the State of Colorado generally. Without limiting the scope of this provision, the Contract is specifically subject to the following statutory requirement:

Contract payments may be withheld pursuant to C.R.S. § 38-26-107 if the County receives a verified statement that the Contractor has not paid amounts due to any person who has supplied labor or materials for the project.

26. Prohibitions on Public Contract for Services: Pursuant to

Colorado Revised Statutes (C.R.S.), § 8-17.5-101, et seq., as amended, the Contractor shall meet the following requirements prior to signing this Contract (public contract for service) and for the duration thereof:

A. The Contractor shall not knowingly employ or contract with an illegal alien to perform work under this public contract for services.

B. The Contractor shall not enter into a contract with a subcontractor that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this public contract for services.

C. At the time of signing this public contract for services, the Contractor has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this public contract for services through participation in either the E-Verify Program or the Department Program.

D. The Contractor shall not use either the E-Verify Program or the Department Program procedures to undertake pre-employment screening of job applicants while this public contract for services is being performed.

E. If Contractor obtains actual knowledge that a subcontractor performing work under this public contract for services knowingly employs or contracts with an illegal alien, the Contractor shall: notify the subcontractor and the County within three days that the Contractor has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and, terminate the subcontract with the subcontractor if within three days of receiving the notice required pursuant to the previous sentence, the subcontractor does not stop employing or contracting with the illegal alien; except that the contractor shall not terminate the contract with the subcontractor if during such three days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.

F. Contractor shall comply with any reasonable requests by the Department of Labor and Employment (the Department) made in the course of an investigation that the Department is undertaking pursuant to the authority established in C.R.S. § 8-17.5-102(5).

G. If Contractor violates any provisions of this Section of this Contract, the County may terminate this Contract for breach of contract. If the Contract is so terminated, the Contractor shall be liable for actual and consequential damages to the County.

27. Amendments: This Contract may be altered, amended or repealed only on the mutual agreement of the County and the Contractor by a duly executed written instrument.

28. Assignment: This Contract shall not be assigned or subcontracted by the Contractor without the prior written consent of the County.

29. Complete Agreement/Binding Effect: This agreement represents the complete agreement between the Parties hereto and shall be fully binding upon the successors, heirs, and assigns of the Parties, if any, during the term hereof.

30. Governing Law: The laws of the State of Colorado shall govern the interpretation and enforcement of this Contract. Any litigation that may arise between the parties involving the interpretation or enforcement of the terms of this Contract shall be initiated and pursued by the parties in the Boulder Courts of the 20th Judicial District of the State of Colorado and the applicable Colorado Appellate Courts.

31. Breach: Any waiver of a breach of this Contract shall not be held to be a waiver of any other or subsequent breach of this Contract. All remedies afforded in this Contract shall be taken and construed as cumulative, that is, in addition to every other remedy provided herein or by law.

32. Termination of Prior Agreements: This Contract cancels and terminates, as of its effective date, all prior agreements between the parties relating to the services covered by this Contract, whether written or oral or partly written and partly oral.

33. Invalidity Provision: Should any of the provisions of this Contract be held to be invalid or unenforceable, then the balance of the agreement shall be held to be in full force and effect as though the invalid portion was not included; provided, however, that should the invalidity or unenforceability go to the essence of the agreement or be of substantial nature, then the

Party or Parties who would receive the benefit of the provision, were it not invalid or unenforceable, shall have the option to terminate this Contract, forthwith.

34. Third Party Beneficiary: The enforcement of the terms and conditions of this Contract and all rights of action relating to such enforcement shall be strictly reserved to the County and the Contractor, and nothing contained in this Contract shall give or allow any claim or right of action whatsoever by any other or third person. It is the express intent of the parties to this Contract that any person receiving services or benefits under this Contract shall be deemed an incidental beneficiary only.

35. Conflict of Provisions: In the event of any conflict between the terms of this Contract and the terms of any attachments or addenda, the terms of this Contract shall control.

36. Information and Reports: The Contractor will provide to authorized governmental representatives, including those of the County, State and Federal Government, all information and reports which they may require for any purpose authorized by law. The Contractor will permit such authorized governmental representatives access to the Contractor's facilities, books, records, accounts, and any other relevant sources of information. Where any information required by any such authorized government representative is in the exclusive possession of a person other than the Contractor, then such Contractor shall so certify to the County, and shall explain what efforts it has made to obtain the information.

37. Execution by Counterparts; Electronic Signatures: This Contract may be executed in two or more counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument. The Parties approve the use of electronic signatures for execution of this Contract. Only the following two forms of electronic signatures shall be permitted to bind the Parties to this Contract: (1) Electronic or facsimile delivery of a fully executed copy of a signature page; (2) The image of the signature of an authorized signer inserted onto PDF format documents. All use of electronic signatures shall be governed by the Uniform Electronic Transactions Act, CRS §§ 24-71.3-101 to -121.

IN WITNESS WHEREOF, the Parties have executed and entered into this Contract as of the latter day and year indicated below.

Executed by BOULDER COUNTY on _____.

COUNTY OF BOULDER
STATE OF COLORADO

ATTEST: _____

Chair, Board of
County Commissioners

Clerk to the Board
Of Commissioners
(SEAL)

CONTRACTOR
A COLORADO CORPORATION

Name & Title

Executed by CONTRACTOR on _____
(Date)

CONTRACTOR'S CERTIFICATION OF COMPLIANCE

Pursuant to Colorado Revised Statute, § 8-17.5-101, et seq., as amended 5/13/08, as a prerequisite to entering into a contract for services with Boulder County, Colorado, the undersigned Contractor hereby certifies that at the time of this certification, Contractor does not knowingly employ or contract with an illegal alien who will perform work under the attached contract for services and that the Contractor will participate in the E-Verify Program or Department program, as those terms are defined in C.R.S. § 8-17.5-101, et seq., in order to confirm the employment eligibility of all employees who are newly hired for employment to perform work under the attached contract for services.

CONTRACTOR:

Company Name

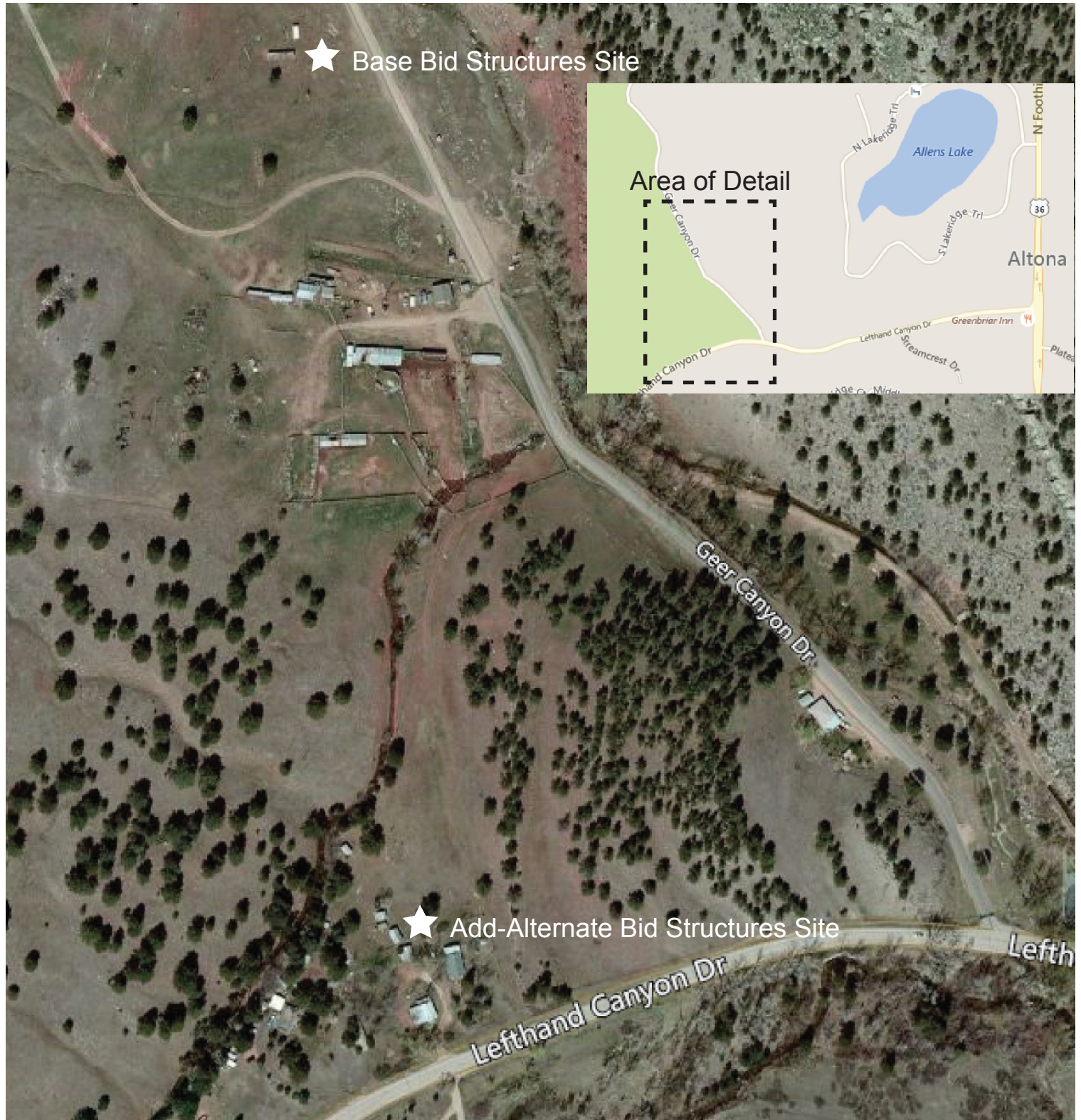
Date

Name (Print or Type)

Signature

Title

Note: Registration for the E-Verify Program can be completed at:
<https://e-verify.uscis.gov/enroll/>.



★ Base Bid Structures Site

Area of Detail

★ Add-Alternate Bid Structures Site



Heil Valley Ranch II
868 Lefthand Canyon Drive
Boulder, CO

Attachment C
Location Map
Not to Scale





12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

HEIL
CORRAL

DCM Project No.: BCNTY 79

Client Job No.: HEIL

Bulk Sample Analysis

Page 3 of 3

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/M4-82-020, 1982 and EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilinger for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

The analysis was performed by :


John Silverman, Analyst

Ron Schott, Analyst

Ron Schott
Laboratory Director

3-17-15
Date



NVLAP Lab Code 101258-0

DCM Science Laboratory, Inc.

12421 W. 49th Avenue, Unit #6

Wheat Ridge, CO 80033

(303) 463-8270/(800) 852-7340

(303) 463-8267 - fax

Date/Time Received 3-16-15 7:30 DCMSL Group No. 0577 DCMSL Log No. BCNTY81

Field Data Sheet/Chain of Custody

Samples submitted by:

Company:

Address:



Ron Diederichsen
Project Coordinator

Facilities Management Division

2020 13th Street · Boulder, CO 80302
PO Box 471 · Boulder, CO 80306
Direct: 303.441.3186 · Ofc: 303.441.3965
Cell: 303.994.6493 · Fax: 303.441.1718
rdiederichsen@bouldercounty.org

Job/P.O. # HELL 31315

Project Title HELL

Contact:

Phone:

Fax:

Cell/Pager:

Archive: All samples are archived for 6 months unless arrangements are made.

Turnaround Time Requested:

Standard (3 to 5 Business Days)

24 Hour Rush

2 Hour Rush (Asbestos Only)

Other _____

Procedure Requested:

ASBESTOS

Bulk

Standard EPA

Progressive

Point Count

Other _____

XRD

Respirable Silica

Bulk Silica

Scan & Search

Other _____

OTHER

Optical Microscopy

Gravimetric

SEM

Other _____

Air

NIOSH 7400

Other _____

ADDITIONAL INFORMATION _____

L

Client Sample No.:	Sample Date	Air Volume	Other Information
<u>H11A1 - RED FLOOR</u>			
<u>H11A2 - ENTRY FLOOR</u>			
<u>H11A3 - COUNTER</u>			
<u>H12A1 - FLOORING</u>			
<u>HG1A - ROOF GROUND</u>			
<u>H12A2 - CEILING</u>			

Relinquished by:

Ron Diederichsen

Date/Time

3/13/15 5:00pm

Received by:

Wendy McBride

Date/Time

3-16-15 7:30





12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
PAGE 1 OF 2

CLIENT:
BOULDER COUNTY
FACILITIES MANAGEMENT DIVISION
2020 13TH STREET
BOULDER, CO 80302

ANALYSIS DATE: 3-17-15
REPORTING DATE: 3-18-15
RECEIPT DATE: 3-16-15
CLIENT JOB NO.: HEIL 31315
PROJECT TITLE: HEIL
DCMSL PROJECT: BCNTY81

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	H11A1 RED FLOOR	-	A. BLACK TAR	2.0%			ND	5.9	0.0	100.0	100.0
			B. RED AND WHITE TILE	98.0%	CHRYSOTILE	[5-10]	6.0		0.0	94.0	100.0
-2	H11A2 ENTRY FLOOR	-	A. MULTICOLORED RESINOUS TILE	12.0%			ND	ND	0.0	100.0	100.0
			B. BROWN FIBROUS TAR/RED RESIN (I)	88.0%			ND		70.0	30.0	100.0
-3	H11A3 COUNTER	-	A. BROWN FIBROUS TAR	10.0%			ND	ND	70.0	30.0	100.0
			B. YELLOW RESINOUS TILE	90.0%			ND		20.0	80.0	100.0
-4	H12A1 FLOORING	-	A. BLACK TAR	3.0%			ND	2.9	0.0	100.0	100.0
			B. GREEN AND WHITE TILE	97.0%	CHRYSOTILE	[1-5]	3.0		0.0	97.0	100.0
-5	HG1A ROOF GROUND	-	A. MULTICOLORED ROCK	25.0%			ND	ND	0.0	100.0	100.0
			B. BLACK TAR	30.0%			ND		0.0	100.0	100.0
			C. BROWN FIBROUS TAR	45.0%			ND		70.0	30.0	100.0
-6	H12A2 CEILING	-	A. SILVER PAINT	20.0%			ND	ND	0.0	100.0	100.0
			B. BROWN FIBROUS/BLACK TAR (I)	80.0%			ND		80.0	20.0	100.0

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%.

(I) - INSEPARABLE LAYERS

ND - NONE DETECTED

THE SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.



April 20, 2017

Subcontract Number: NA
Laboratory Report: RES 376841-1
Project # / P.O. # PO# 1644
Project Description: Heil Ranch Corral

Boulder County Parks
5201 St. Vrain Rd.
Longmont CO 80503

Dear Customer,

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 376841-1 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,


Nicole Castillo for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 376841-1**
 Client: **Boulder County Parks**
 Client Project Number / P.O.: **PO# 1644**
 Client Project Description: **Heil Ranch Corral**
 Date Samples Received: **April 13, 2017**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **3-5 Day**
 Date Samples Analyzed: **April 20, 2017**

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

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
HC-11-F1	EM 1839338	A	Beige mastic	2		ND	TR	100
			B	Green sheet vinyl w/ black fibrous backing material	98		ND	35
HC-11-F2	EM 1839339	A	White/blue sheet vinyl w/ black fibrous backing material	100		ND	50	50
HC-11-F3	EM 1839340	A	Black mastic	4		ND	TR	100
			B	Red floor tile	96	Chrysotile	8	0
HC-11-F4	EM 1839341	A	Red sheet vinyl w/ black fibrous backing material	100		ND	45	55
HC-11-CO	EM 1839342	A	Yellow sheet vinyl w/ black fibrous backing material	100		ND	25	75

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



Brett S. Colbert

Analyst / Data QA

Due Date: 4-19-20
 Due Time: _____



5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV
 Pager : 303-509-2098

RES 376841

INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: Boulder County Parks	Company:	Contact: Michael Lohr	Contact:
Address:	Address:	Phone: 970.481.1349	Phone:
		Fax:	Fax:
		Cell/pager:	Cell/pager:
Project Number and/or P.O. #: P.O. # 1644	Final Data Deliverable Email Address: mlohr@bouldercounty.org		
Project Description/Location: HEIL RANCH Corral			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) <input checked="" type="checkbox"/> STANDARD (Rush PCM = 2hr, TEM = 6hr.)	REQUESTED ANALYSIS										VALID MATRIX CODES				LAB NOTES:							
	CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm Metal(s) / Dust ___ RUSH ___ 24 hr. ___ 3-5 Day RCRA 8 / Metals & Welding ___ RUSH ___ 5 day ___ 10 day Fume Scan / TCLP ___ RUSH ___ 5 day ___ 10 day Organics ___ 24 hr. ___ 3 day ___ 5 Day MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___ 2 Day ___ 3-5 Day Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___ 3-5 Day Mold ___ RUSH ___ 24 Hr ___ 48 Hr ___ 3 Day ___ 5 Day										Air = A Bulk = B Dust = D Paint = P Soil = S Wipe = W Swab = SW F = Food Drinking Water = DW Waste Water = WW O = Other **ASTM E1792 approved wipe media only**											
Special Instructions:	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
Client sample ID number (Sample ID's must be unique)																						
1 HC-11-F1	X																					1039338
2 F2																						9
3 F3																						40
4 F4																						1
5 HC-11-C0																						2
6																						
7																						
8																						
9																						
10																						

Number of samples received: 5 (Additional samples shall be listed on attached long form.)
 NOTE: REI will analyze incoming samples based upon 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: <u>[Signature]</u>	Date/Time: _____	Sample Condition: _____	On Ice: _____	Sealed: _____	Intact: <input checked="" type="checkbox"/>
Laboratory Use Only		Temp. (F°) _____	Yes / No	Yes / No	Yes / No
Received By: <u>[Signature]</u>	Date/Time: <u>4-13-19 3:40</u>	Carrier: <u>Kunci</u>			
Results:	Contact	Phone	Email	Fax	Date
	Contact	Phone	Email	Fax	Date

ATTACHMENT E



12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
PAGE 1 OF 5

CLIENT:
BOULDER COUNTY
P.O. BOX 471
BOULDER, CO 80306

ANALYSIS DATE: 12-4-12
REPORTING DATE: 12-6-12
RECEIPT DATE: 12-3-12
CLIENT JOB NO.: IR3186
PROJECT TITLE: HEIL/IRWIN
DCMSL PROJECT: BCNTY42

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	IR1 IRWIN ROOF		A. BLACK GLASS	20.0%			ND		0.0	100.0	100.0
			B. BLACK TAR	35.0%			ND		0.0	100.0	100.0
			C. BLACK FIBROUS TAR	45.0%			ND		20.0	80.0	100.0
							ND				
-2	IR2 DINING PLASTER		A. MULTICOLORED PAINT	6.0%			ND		0.0	100.0	100.0
			B. TAN PLASTER	15.0%			ND		0.0	100.0	100.0
			C. WHITE CONCRETE	79.0%			ND		0.0	100.0	100.0
							ND				
-3	IR3 BACKROOM FLOOR		A. BROWN FIBROUS TAR/GREEN RESIN (I)	100.0%			ND		65.0	35.0	100.0
							ND				
-4	IR4 BACKROOM DW		A. YELLOW PAINT	10.0%			ND		0.0	100.0	100.0
			B. WHITE DRYWALL	12.0%			ND		0.0	100.0	100.0
			C. TAN FIBROUS	35.0%			ND		100.0	0.0	100.0
			D. WHITE DRYWALL MUD	43.0%	CHRYSTOLE [TR-1]	0.5		0.0	99.5	100.0	
							0.2				
-5	IR5 KITCHEN PLASTER		A. MULTICOLORED PAINT	7.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE	93.0%			ND		0.0	100.0	100.0
							ND				
-6	IR6 DINING FLOOR		A. MULTICOLORED RESINOUS TILE	20.0%			ND		0.0	100.0	100.0
			B. BROWN FIBROUS TAR/GREEN RESIN (I)	80.0%			ND		65.0	35.0	100.0
							ND				
-7	IR7 BED 1 PLASTER		A. WHITE PAINT	6.0%			ND		0.0	100.0	100.0
			B. WHITE CONCRETE	94.0%			ND		0.0	100.0	100.0
							ND				



12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
PAGE 2 OF 5

CLIENT:
BOULDER COUNTY
P.O. BOX 471
BOULDER, CO 80306

ANALYSIS DATE: 12-4-12
REPORTING DATE: 12-6-12
RECEIPT DATE: 12-3-12
CLIENT JOB NO.: IR3186
PROJECT TITLE: HELL/IRWIN
DCMSL PROJECT: BCNTY42

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-8	IR8 BED 1 FLOOR		A. MULTICOLORED RESINOUS TILE	20.0%			ND	ND	0.0	100.0	100.0
			B. BLACK FIBROUS TAR/RED RESIN (I)	80.0%		ND					
-9	IR9 BED 2 PLASTER		A. MULTICOLORED PAINT	4.0%			ND	ND	0.0	100.0	100.0
			B. WHITE CONCRETE	96.0%		ND					
-10	IR10 BASEMENT FLUE		A. GREEN PAINT	2.0%			ND	ND	0.0	100.0	100.0
			B. WHITE CONCRETE	98.0%		ND					
-11	IR11 BASEMENT PLASTER		A. MULTICOLORED PAINT	15.0%			ND	0.5	0.0	100.0	100.0
			B. WHITE DRYWALL MUD	25.0%	CHRYBOTILE	[1-5]	2.0				
			C. WHITE CONCRETE	60.0%			ND				
-12	SC12 SCHOOL STUCCO		A. PINK CONCRETE	100.0%			ND	ND	0.0	100.0	100.0
-13	SC13 SCHOOL N BED DW		A. WHITE PAINT	6.0%			ND	0.5	0.0	100.0	100.0
			B. WHITE DRYWALL	10.0%			ND				
			C. TAN FIBROUS	30.0%			ND				
			D. TAN DRYWALL MUD	54.0%	CHRYBOTILE	[TR-1]	1.0				
-14	SC14 SCHOOL STOVE DW		A. GREEN PAINT	15.0%			ND	ND	1.0	100.0	100.0
			B. TAN FIBROUS	30.0%			ND				
			C. WHITE DRYWALL	55.0%			ND				



12421 W. 49TH AVENUE, UNIT #6
 WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
 PAGE 3 OF 5

CLIENT:
 BOULDER COUNTY
 P.O. BOX 471
 BOULDER, CO 80306

ANALYSIS DATE: 12-4-12
 REPORTING DATE: 12-6-12
 RECEIPT DATE: 12-3-12
 CLIENT JOB NO.: IR3186
 PROJECT TITLE: HEIL/IRWIN
 DCMSL PROJECT: BCNTY42

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-15	SC15 SCHOOL TOILET WALL		A. BROWN AND WHITE RESINOUS TILE	20.0%			ND	ND	0.0	100.0	100.0
			B. BROWN FIBROUS TAR/TAN RESIN (I)	80.0%		ND					
-16	SC16 SCHOOL PLASTER		A. GREEN PAINT	10.0%			ND	ND	0.0	100.0	100.0
			B. GREY PLASTER	20.0%		ND					
			C. WHITE CONCRETE	70.0%		ND					
-17	SC17 SCHOOL ROOF GREY		A. WHITE ROCK	1.0%			ND	1.8	0.0	100.0	100.0
			B. BLACK TAR	5.0%		ND					
			C. BROWN TAR	22.0%	CHRYSOTILE [5-15]	8.0					
			D. BROWN FIBROUS TAR	72.0%		ND					
-18	SC18 SCHOOL ROOF RED		A. MULTICOLORED ROCK	20.0%			ND	ND	0.0	100.0	100.0
			B. BLACK TAR	32.0%		ND					
			C. BROWN FIBROUS TAR	48.0%		ND					
-19	19 IRWIN GARAGE CARDBOARD		A. GREY FIBROUS	100.0%			ND	ND	100.0	TR	100.0
-20	20 OIL SHED SIDING		A. GREY AND TAN FIBROUS	100.0%			ND	ND	100.0	TR	100.0
-21	21 CHICKEN COOP ROOF		A. WHITE ROCK	25.0%			ND	ND	0.0	100.0	100.0
			B. BLACK TAR	35.0%		ND					
			C. BROWN FIBROUS TAR	40.0%		ND					



12421 W. 49TH AVENUE, UNIT #6
 WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
 PAGE 4 OF 5

CLIENT:
 BOULDER COUNTY
 P.O. BOX 471
 BOULDER, CO 80306

ANALYSIS DATE: 12-4-12
 REPORTING DATE: 12-6-12
 RECEIPT DATE: 12-3-12
 CLIENT JOB NO.: IR3186
 PROJECT TITLE: HEIL/IRWIN
 DCMSL PROJECT: BCNTY42

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-22	22 WOOD SHED ROOF		A. WHITE ROCK	20.0%			ND	ND	0.0	100.0	100.0
			B. BLACK TAR	25.0%		ND					
			C. BROWN FIBROUS TAR	55.0%		ND					
-23	23 OUTHOUSE ROOF		A. WHITE ROCK	10.0%			ND	ND	0.0	100.0	100.0
			B. BLACK TAR	20.0%		ND					
			C. BROWN FIBROUS TAR	70.0%		ND					
-24	24 STUCCO SHED		A. PINK CONCRETE	100.0%			ND	ND	0.0	100.0	100.0

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%.

(I) - INSEPARABLE LAYERS

ND - NONE DETECTED

THE SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.



12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: BCNTY 42

Client Job No.: IR3186

Bulk Sample Analysis

Page 5 of 5

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilingir for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

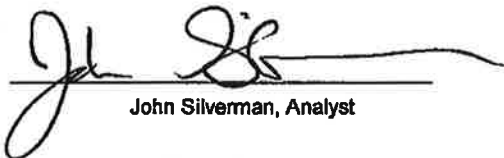
ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

The analysis was performed by :


John Silverman, Analyst


Ron Schott, Analyst

Ron Schott
Laboratory Director


Date


NVLAP Lab Code 101258-0

DCM Science Laboratory, Inc.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

①

(303) 463-8270/(800) 852-7340
(303) 463-8267 - fax

Date/Time Received 12-3-12 10:05 DCMSL Group No. 2670 DCMSL Log No. BCNTY42

Field Data Sheet/Chain of Custody

Samples submitted by:

Company:
Address:



Ron Diederichsen
Project Coordinator

Facilities Management Division

Job/P.O. # IR3186

Project Title HELL/IRWIN

Contact:
Phone:
Fax:
Cell/Pager:

2020 13th Street - Boulder, CO 80302
PO Box 471 - Boulder, CO 80306
Direct: 303.441.3186 - Ofc: 303.441.3965
Cell: 303.994.6493 - Fax: 303.441.1718
rdiederichsen@bouldercounty.org

Archive: All samples are archived for
6 months unless arrangements
are made.

Turnaround Time Requested:

- Standard (3 to 5 Business Days)
- 24 Hour Rush

- 2 Hour Rush (Asbestos Only)
- Other _____

Procedure Requested:

ASBESTOS

XRD

OTHER

- Bulk
- Standard EPA
- Progressive
- Point Count
- Other _____

- Respirable Silica
- Bulk Silica
- Scan & Search
- Other _____

- Optical Microscopy
- Gravimetric
- SEM
- Other _____

Air

ADDITIONAL INFORMATION _____

- NIOSH 7400
- Other _____

Client Sample No.:	Sample Date	Air Volume	Other Information
1 IR1 IRWIN ROOF	_____	_____	_____
2 IR2 Dining Plaster	_____	_____	_____
3 IR3 Backroom Floor	_____	_____	_____
4 IR4 Backroom DW	_____	_____	_____
5 IR5 Kitchen Plaster	_____	_____	_____
6 IR6 Dining floor	_____	_____	_____
7 IR7 Bed 4 plaster	_____	_____	_____
8 IR8 Bed 1 floor	_____	_____	_____

Relinquished by:

Date/Time

Received by:

Wendy McBride

Date/Time

12-3-12 10:05

DCM Science Laboratory, Inc.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

(303) 463-8270/(800) 852-7340
(303) 463-8267 - fax

Date/Time Received _____ DCMSL Group No. _____ DCMSL Log No. _____

Field Data Sheet/Chain of Custody

Samples submitted by:

Company:

Address:



Ron Diederichsen
Project Coordinator

Facilities Management Division

2020 13th Street - Boulder, CO 80302
PO Box 471 - Boulder, CO 80306
Direct: 303.441.3186 - Ofc: 303.441.3965
Cell: 303.994.6493 - Fax: 303.441.1718
rdiederichsen@bouldercounty.org

Job/P.O. # IR 3186

Project Title HEL/IRWIN

Contact: _____

Phone: _____

Fax: _____

Cell/Pager: _____

Archive: All samples are archived for
6 months unless arrangements
are made.

Turnaround Time Requested:

- Standard (3 to 5 Business Days)
- 24 Hour Rush

- 2 Hour Rush (Asbestos Only)
- Other _____

Procedure Requested:

ASBESTOS

Bulk

- Standard EPA
- Progressive
- Point Count
- Other _____

XRD

- Respirable Silica
- Bulk Silica
- Scan & Search
- Other _____

OTHER

- Optical Microscopy
- Gravimetric
- SEM
- Other _____

Air

- NIOSH 7400
- Other _____

ADDITIONAL INFORMATION _____

Client Sample No.:	Sample Date	Air Volume	Other Information
1 IR 9 Bed 2 Plaster	_____	_____	_____
2 IR 10 Basement flue	_____	_____	_____
3 IR 11 Basement Plaster	_____	_____	_____
4 SC 12 School Stucco	_____	_____	_____
5 SC 13 School N Bed DW	_____	_____	_____
6 SC 14 School Stove D.W	_____	_____	_____
7 SC 15 School Toilet Wall	_____	_____	_____
8 SC 16 School Plaster	_____	_____	_____

Relinquished by:

Date/Time

Received by:

Date/Time

Wendy McBride

12-3-12 10:05

DCM Science Laboratory, Inc.
 12421 W. 49th Avenue, Unit #6
 Wheat Ridge, CO 80033

3

(303) 463-8270/(800) 852-7340
 (303) 463-8267 - fax

Date/Time Received _____ DCMSL Group No. _____ DCMSL Log No. _____

Field Data Sheet/Chain of Custody

Samples submitted by:

Company:

Address:



Ron Diederichsen
 Project Coordinator

Facilities Management Division

2020 13th Street - Boulder, CO 80302
 PO Box 471 - Boulder, CO 80306
 Direct: 303.441.3186 - Ofc: 303.441.3965
 Cell: 303.994.6493 - Fax: 303.441.1718
 rdiederichsen@bouldercounty.org

Job/P.O. # IR3186

Project Title HELL/IRWIN

Contact:

Phone:

Fax:

Cell/Pager:

Archive: All samples are archived for 6 months unless arrangements are made.

Turnaround Time Requested:

- Standard (3 to 5 Business Days)
- 24 Hour Rush

- 2 Hour Rush (Asbestos Only)
- Other _____

Procedure Requested:

ASBESTOS

Bulk

- Standard EPA
- Progressive
- Point Count
- Other _____

XRD

- Respirable Silica
- Bulk Silica
- Scan & Search
- Other _____

OTHER

- Optical Microscopy
- Gravimetric
- SEM
- Other _____

Air

- NIOSH 7400
- Other _____

ADDITIONAL INFORMATION _____

Client Sample No.:	Sample Date	Air Volume	Other Information
1 SC17 School Roof Grey			
2 SC18 School Roof Red			
3 19 Irwin Garage Cardboard			
4 20 OILY SHED SIDING			
5 21 CHICKEN COOP ROOF			
5 22 WOOD SHED ROOF			
7 23 OUTHOUSE ROOF			
3 24 STUCCO SHED			

Relinquished by:

Date/Time

Received by:

Date/Time

Wendy McBride

12-3-12 10:05



12421 W. 49TH AVENUE, UNIT #6
 WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
 PAGE 1 OF 3

CLIENT:
 BOULDER COUNTY
 P.O. BOX 471
 BOULDER, CO 80306

ANALYSIS DATE: 12-19-12
 REPORTING DATE: 12-19-12
 RECEIPT DATE: 12-14-12
 CLIENT JOB NO.: HEIL/IRWIN
 PROJECT TITLE: HOUSE
 DCMSL PROJECT: BCNTY44

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	#1 SCHOOL MAIN ROOM	12-10-12	A. MULTICOLORED PAINT	5.0%			ND	ND	0.0	100.0	100.0
			B. GREY PLASTER	25.0%			ND		0.0	100.0	
			C. TAN CONCRETE	70.0%			ND		TR	100.0	
-2	#2 SCHOOL FRONT BEDROOM	12-10-12	A. MULTICOLORED PAINT	1.0%			ND	0.7	0.0	100.0	100.0
			B. WHITE DRYWALL	1.0%			ND		1.0	99.0	
			C. WHITE DRYWALL MUD	5.0%			ND		0.0	100.0	
			D. BROWN FIBROUS	25.0%			ND		100.0	0.0	
			E. TAN DRYWALL MUD	68.0%	CHRYSOTILE	[1-5]	TR		99.0	100.0	
-3	#3 SCHOOL BACK BEDROOM	12-10-12	A. TAN DRYWALL MUD	1.0%	CHRYSOTILE	[1-5]	2.0	<0.1	TR	98.0	100.0
			B. WHITE PAINT	2.0%			ND		0.0	100.0	
			C. WHITE DRYWALL MUD	97.0%			ND		0.0	100.0	
-4	#4 SCHOOL BATHROOM	12-10-12	A. MULTICOLORED PAINT	2.0%			ND	0.8	0.0	100.0	100.0
			B. BROWN FIBROUS	20.0%			ND		100.0	0.0	
			C. TAN DRYWALL MUD	78.0%	CHRYSOTILE	[1-5]	TR		99.0	100.0	
-5	#5 HOUSE BACKROOM	12-10-12	A. MULTICOLORED PAINT	2.0%			ND	0.4	0.0	100.0	100.0
			B. WHITE DRYWALL	8.0%			ND		1.0	99.0	
			C. BROWN FIBROUS	20.0%			ND		100.0	0.0	
			D. TAN DRYWALL MUD	70.0%	CHRYSOTILE	[TR-1]	0.5		0.0	99.5	
-6	#6 HOUSE BASE HALL BASEMENT	12-10-12	A. BLUE PAINT	1.0%			ND	ND	0.0	100.0	100.0
			B. BROWN FIBROUS	10.0%			ND		100.0	0.0	
			C. WHITE DRYWALL	89.0%			ND		1.0	99.0	



12421 W. 49TH AVENUE, UNIT #6
 WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
 PAGE 2 OF 3

CLIENT:
 BOULDER COUNTY
 P.O. BOX 471
 BOULDER, CO 80306

ANALYSIS DATE: 12-19-12
 REPORTING DATE: 12-19-12
 RECEIPT DATE: 12-14-12
 CLIENT JOB NO.: HEIL/IRWIN
 PROJECT TITLE: HOUSE
 DCMSL PROJECT: BCNTY44

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-7	#7 HOUSE MID BEDROOM BASEMENT	12-10-12	A. MULTICOLORED PAINT	2.0%			ND		0.0	100.0	100.0
			B. TAN DRYWALL MUD	2.0%	CHRYSOTILE	[TR-1]	1.0	0.0	99.0	100.0	
			C. BROWN FIBROUS	40.0%			ND	100.0	0.0	100.0	
			D. WHITE DRYWALL	56.0%			ND	1.0	99.0	100.0	
							<u> </u> <0.1				
-8	#8 HOUSE SOUTH BEDROOM BASEMENT	12-10-12	A. BLUE PAINT	1.0%			ND		0.0	100.0	100.0
			B. BROWN FIBROUS	5.0%			ND	100.0	0.0	100.0	
			C. WHITE DRYWALL	94.0%			ND	1.0	99.0	100.0	
							<u> </u> ND				

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%.

(I) - INSEPARABLE LAYERS

ND - NONE DETECTED

THE SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION. THIS TEST REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.



12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: BCNTY 44

Client Job No.: HEIL/IRWIN

Bulk Sample Analysis

Page 3 of 3

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilinger for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

The analysis was performed by :

John Silverman, Analyst

Ron Schott
Laboratory Director

Ron Schott
Ron Schott, Analyst

12-19-12
Date



NVLAP Lab Code 101258-0

DCM Science Laboratory, Inc.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

(303) 463-8270/(800) 852-7340
(303) 463-8267 - fax

Date/Time Received 12-14-12 8:30 DCMSL Group No. 2755 DCMSL Log No. BCNTY-44

Field Data Sheet/Chain of Custody

Samples submitted by:

Company:

Address:



Ron Diederichsen
Project Coordinator

Facilities Management Division

Job/P.O. # HELL/IRWIN

Project Title HOUSE

2020 13th Street - Boulder, CO 80302
PO Box 471 - Boulder, CO 80306
Direct: 303.441.3186 - Ofc: 303.441.3965
Cell: 303.994.6493 - Fax: 303.441.1718
rdiederichsen@bouldercounty.org

Archive: All samples are archived for
6 months unless arrangements
are made.

Contact:

Phone:

Fax:

Cell/Pager:

Turnaround Time Requested:

Standard (3 to 5 Business Days)

24 Hour Rush

2 Hour Rush (Asbestos Only)

Other _____

Procedure Requested:

ASBESTOS

Bulk

Standard EPA

Progressive

Point Count

Other _____

XRD

Respirable Silica

Bulk Silica

Scan & Search

Other _____

OTHER

Optical Microscopy

Gravimetric

SEM

Other _____

Air

NIOSH 7400

Other _____

ADDITIONAL INFORMATION _____

Client Sample No.:

Sample Date

Air Volume

Other Information

Client Sample No.:	Sample Date	Air Volume	Other Information
#1 SCHOOL MAIN ROOM	12/10/12		
#2 SCHOOL FRONT BEDROOM	12/10/12		
#3 SCHOOL BACK BEDROOM	12/10/12		
#4 SCHOOL BATHROOM	12/10/12		
#5 HOUSE BACKROOM	12/10/12		
#6 HOUSE BASE HALL BASEMENT	12/10/12		
#7 HOUSE MID BEDROOM BASEMENT	12/10/12		
#8 HOUSE SOUTH BEDROOM BASEMENT	12/10/12		

Relinquished by:

[Signature]

Date/Time

5:00 PM 12/13/12

Received by:

Wendy McRude

Date/Time

12-14-12 8:30



June 23, 2016

Subcontract Number: NA
Laboratory Report: RES 353146-1
Project # / P.O. # 1644
Project Description: Quanset Hut at Heil Ranch

Boulder County Parks
5201 St. Vrain Rd.
Longmont CO 80503

Dear Customer,

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 353146-1 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,


Nicole Castillo for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 353146-1**
 Client: **Boulder County Parks**
 Client Project Number / P.O.: **1644**
 Client Project Description: **Quanset Hut at Heil Ranch**
 Date Samples Received: **June 16, 2016**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **3-5 Day**
 Date Samples Analyzed: **June 23, 2016**

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

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
QHUT-MR-1	EM 1650966	A	White/multi-colored tile	40	Chrysotile	4	6	90
			B	Black felt w/ brown mastic		60	ND	55
QHUT-MR-2	EM 1650967	A	Tan/white drywall	100		ND	10	90
QHUT-MR-3	EM 1650968	A	Green/yellow flooring w/ black fibrous backing material	100		ND	30	70
QHUT-MR-3 (2)	EM 1650969	A	Green/multi-colored flooring w/ black fibrous backing material	100		ND	30	70
QHUT-MR-4	EM 1650970	A	Blue flooring w/ black fibrous backing material & red resinous material	100		ND	30	70
QHUT-MR-6	EM 1650972	A	Brown insulation	100		ND	85	15
QHUT-MR-9	EM 1650975	A	Green/tan paint	100		ND	0	100
QHUT-MR-10	EM 1650976	A	Green/multi-colored flooring w/ black fibrous backing material	100		ND	30	70
QHUT-E-1	EM 1650977	A	Gray/multi-colored flooring w/ black fibrous backing material	100		ND	30	70

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 353146-1**
 Client: **Boulder County Parks**
 Client Project Number / P.O.: **1644**
 Client Project Description: **Quanset Hut at Heil Ranch**
 Date Samples Received: **June 16, 2016**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **3-5 Day**
 Date Samples Analyzed: **June 23, 2016**

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

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
QHUT-E-2	EM 1650978	A	Gray/multi-colored flooring w/ black fibrous backing material	100		ND	30	70
QHUT-O-1	EM 1650980	A	Black tar paper	100		ND	60	40

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


 Liu Wenlong
 Analyst / Data QA

Due Date: 6-21-6-23
 Due Time: _____



5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV

Page 2 of 2
-1PM-2MM

Page: 303-509-2098
 INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: <u>Boulder County Parks & Open Space</u>	Company Address: <u>5201 St. Vrain Rd. Longmont, CO</u>	Contact: <u>Michael Lohr</u>	Phone: <u>970.481.1349</u>
Project Number and/or P.O. #: <u>1644</u>	Project Description/Location: <u>Quonset Hut at Hill Ranch</u>	Fax: _____	Cell/pager: _____
		Cell/pager: _____	Final Data Deliverable Email Address: <u>Mlohr@bouldercounty.org</u>

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm
 PLM / PCM / TEM RUSH (Same Day) PRIORITY (Next Day) STANDARD
 (Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm
 Metal(s) / Dust RUSH 24 hr. 3-5 Day
 RCRA 8 / Metals & Welding RUSH 5 day 10 day
 Fume Scan / TCLP RUSH 24 hr. 3 day 5 Day
 Organics 24 hr. 3 day 5 Day

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm
 E.coli O157:H7, Coliforms, S.aureus 24 hr. 2 Day 3-5 Day
 Salmonella, Listeria, E.coli, APC, Y & M 48 Hr. 3-5 Day
 Mold RUSH 24 Hr 48 Hr 3 Day 5 Day

REQUESTED ANALYSIS	
PLM - Short report, Long report, Point Count	<input type="checkbox"/>
TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	<input type="checkbox"/>
PCM - 7400A, 7400B, OSHA	<input type="checkbox"/>
DUST - Total, Respirable	<input type="checkbox"/>
METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	<input type="checkbox"/>
ORGANICS - METH	<input type="checkbox"/>
Salmonella: +/-	<input type="checkbox"/>
E.coli O157:H7: +/-	<input type="checkbox"/>
Listeria: +/-	<input type="checkbox"/>
Aerobic Plate Count: +/- or Quantification	<input type="checkbox"/>
E.coli: +/- or Quantification	<input type="checkbox"/>
Coliforms: +/- or Quantification	<input type="checkbox"/>
S.aureus: +/- or Quantification	<input type="checkbox"/>
Y & M: +/- or Quantification	<input type="checkbox"/>
Mold: +/-, Identification, Quantification	<input type="checkbox"/>

VALID MATRIX CODES

Air = A Bulk = B
 Dust = D Paint = P
 Soil = S Wipe = W
 Swab = SW F = Food
 Drinking Water = DW Waste Water = WW
 O = Other
 ASTM E1792 approved wipe media only

LAB NOTES:

EM Number (Laboratory Use Only)

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	QHUT - MR-1	<input checked="" type="checkbox"/>																		
2	2	<input checked="" type="checkbox"/>																		
3	3	<input checked="" type="checkbox"/>																		
4	3(2)	<input checked="" type="checkbox"/>																		
5	4	<input checked="" type="checkbox"/>																		
6	5	<input checked="" type="checkbox"/>																		
7	6	<input checked="" type="checkbox"/>																		
8	7	<input checked="" type="checkbox"/>																		
9	8	<input checked="" type="checkbox"/>																		
10	9	<input checked="" type="checkbox"/>																		

SAMPLER'S INITIALS OR OTHER NOTES

LEAD

LEAD

LEAD

Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p

1650766

70

31

Number of samples received: 15 (Additional samples shall be listed on attached long form.)
 NOTE: REI will analyze incoming samples based upon 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: <u>Michelle White</u>	Date/Time: <u>6/21/6 4:25p</u>	Carrier: <u>hcel</u>	Sample Condition: On Ice <input type="checkbox"/> Sealed <input type="checkbox"/> Contact <input checked="" type="checkbox"/>
Received By: _____	Date: _____	Time: _____	Temp. (F°) _____ Yes / No
Results: Contact _____ Phone Email Fax _____ Date _____ Time _____ Initials _____	Contact _____ Phone Email Fax _____ Date _____ Time _____ Initials _____	Contact _____ Phone Email Fax _____ Date _____ Time _____ Initials _____	Contact _____ Phone Email Fax _____ Date _____ Time _____ Initials _____

Due Date: _____
Due Time: _____

REI LAB **Reservoirs Environmental, Inc.**
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free: 866 RESI-ENV
Pager : 303-509-2098

Job # 35514601
Page 1 of 2

INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: <u>Boulder County Parks & Open Space</u>	Company:	Contact: <u>Michael Lohr</u>	Contact:
Address: <u>5201 St Vrain Rd Longmont, CO 80501</u>	Address:	Phone: <u>970.481.1349</u>	Phone:
Project Number and/or P.O. #: <u># 1644</u>		Fax:	Fax:
Project Description/Location: <u>Quanser Hut @ Hill</u>		Cell/pager: <u>611</u>	Cell/pager:
		Final Data Deliverable Email Address:	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm PLM / PCM / TEM <input type="checkbox"/> RUSH (Same Day) <input type="checkbox"/> PRIORITY (Next Day) <input checked="" type="checkbox"/> STANDARD (Rush PCM = 2hr, TEM = 6hr.)	REQUESTED ANALYSIS										VALID MATRIX CODES		LAB NOTES:	
	CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm Metal(s) / Dust <input type="checkbox"/> RUSH <input type="checkbox"/> 24 hr. <input type="checkbox"/> 3-5 Day RCRA 8 / Metals & Welding <input type="checkbox"/> RUSH <input type="checkbox"/> 5 day <input type="checkbox"/> 10 day Fume Scan / TCLP <input type="checkbox"/> 24 hr. <input type="checkbox"/> 3 day <input type="checkbox"/> 5 Day Organics <input type="checkbox"/> 24 hr. <input type="checkbox"/> 3 day <input type="checkbox"/> 5 Day MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm E.coli O157:H7, Coliforms, S.aureus <input type="checkbox"/> 24 hr. <input type="checkbox"/> 2 Day <input type="checkbox"/> 3-5 Day Salmonella, Listeria, E.coli, APC, Y & M <input type="checkbox"/> 48 Hr. <input type="checkbox"/> 3-5 Day Mold <input type="checkbox"/> RUSH <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day										Air = A	Bulk = B		
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Salmonella +/- E.coli O157:H7 +/- Listeria +/- Aerobic Plate Count +/- or Quantification E.coli +/- or Quantification Coliforms +/- or Quantification S.aureus +/- or Quantification Y & M +/- or Quantification Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES		Drinking Water = DW	Waste Water = VVV	O = Other **ASTM E1792 approved wipe media only**	EM Number (Laboratory Use Only)	
Special Instructions:										Sample Volume (L) / Area	Matrix Code			# Containers
Client sample ID number (Sample ID's must be unique)														
1 QHUT-MR-10	X													
2 QHUT-E-1	X													
3 2	X													
4 3	X				LEAD									
5 QHUT-0-1	X													
6														
7														
8														
9														
10														

Number of samples received: _____ (Additional samples shall be listed on attached long form.)
NOTE: REI will analyze incoming samples based upon 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: <u>[Signature]</u>	Date/Time: <u>6/16/16 4:20 PM</u>	Sample Condition: On Ice Sealed Intact
Laboratory Use Only	Date/Time: <u>6/16/16 4:25 PM</u>	Temp. (F°) _____ Yes / No Yes / No <input checked="" type="checkbox"/> Yes / No
Received By: <u>[Signature]</u>	Carrier: <u>[Signature]</u>	
Results:	Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials
	Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials

Asbestos Samples For (property): HEIL QHUT

Date/Time: 6/1/16 9:AM

Name of sampler: Michael Long

Sample ID #	Friable (Y/N)	Test Needed	Notes
QHUT-MR-1	N	PLM	9x9" Lenoleum w/ Black mastic
QHUT-MR-2	Y	PLM	Partick board on floor Resembles drywall
QHUT-MR-3	Y Y	PLM	Green Lenoleum Floor
QHUT-MR-3(2)	Y	PLM	" "
QHUT-MR-4	Y	PLM	Red Lenoleum under Green Lenoleum
QHUT-MR-5	Y	Lead	Teal paint on SW. wall
QHUT-MR-6	Y	PLM	Insulation under windows
QHUT-MR-7	Y	Lead	Purple paint on NW. wall
QHUT-MR-8	Y	Lead	Yellow Wall E. Side Paint
QHUT-MR-9	N	Lead	Green Paint on w. Wall
QHUT-MR-10	N	PLM	Green & white Lenoleum Near Shower
QHUT-E-1	Y	PLM	Deteriorated Lenoleum
QHUT-E-2	Y Y	PLM	" "

Unless Mentioned Otherwise - Sample Condition is rated as "Good"

QHUT-E-3

Y

Lead

Peeling teal paint

QHUT-O-1

N

PLM

Tar paper under
Corrigated roofing

3 5/16

AIR / WIPE / PAINT / SOIL /
BULK / WASTE H₂O

RESERVOIRS ENVIRONMENTAL, INC
5801 LOGAN ST., DENVER, CO 80216

Absorbance

PREP / VOLUME TECH RC / RC
DATE/BATCH # 6/17/16-5
REAGENTS/LOT # HNO3 1115110 H2O2 145881
REPORTING LIMIT 0.25 mg/L
METHOD(S) NIOSH 7082 AA
METHOD(S) EPA 3050 B AA7000 Series
EPA 3005A - AA7000 Series
ANALYTE(S) Pb

METALS LAB PREP AND ANALYSIS LOG Std (mg/L)
0.00
RC 0.25 (0.25ml of 1000mg/L Std)
DATE/TIME 6/20/16-1143am 1.00 (0.1ml of 1000 mg/L Std)
INSTRUMENT AAnalyst 200 5.00 (0.5ml of 1000 mg/L Std)
LAB TEMP (°F) 81.0 10.00 (1.0 ml of 1000 mg/L Std)
OHAUS #3434 Act/Cal 0.2000 g / 0.2000 g
FISHER # 02502 Act/Cal 30.00 g / 29.98 g
DIG TEMP (°C) -130.0

Std Lot # / Exp Date Spx 21-131PBY 2/17
Prepared By/Date RC 6/17/16
Pipette Lot #'s 10-100 µL #HH4333, 100 µL #208881,
100-1000 µL #JU08764

r² = 0.999447 m = 0.06423

b = 0

RES #	EM #	Sample Weight (g)	Dilut Vol (ml)	Solution Conc. (mg/L)	Analyte Absorbance	Dilution Factor (mg/L / %)	Comments / Acceptance Criteria	Recov (%)
Standard 1	0.25 mg/L		---	0.27	0.017		92%-108%	108%
Standard 2	1.00 mg/L		---	1.03	0.066		92%-108%	103%
Standard 3	5.00 mg/L		---	4.81	0.309		95%-105%	96%
Standard 4	10.00 mg/L		---	9.80	0.629		97%-103%	98%
ICS Standard (Spx 12-75YYP 1/17 & 13-15YYP 1/17)								
	250 µL ICS 18 & 250 µL of ICS 5 in 50mL		50	4.88	0.313	---	90%-110%	98%
ICV Standard (Spx CL12-83YYP 9/16)								
	500 µL, 1.5 mL, 2.0 mL, 2.5 mL of 100 mg/L Std		50	2.99	0.192	(1, 3, 4, 5 mg/L)	90%-110%	99%
	Prep Blank		50	0.04	0.003	1	< 0.25 mg/L	BRL
	Matrix Blank Lot # LRA48157	0.2514 g	50	0.03	0.002	1	< 0.25 mg/L	BRL
	Matrix Duplicate	1650979				10		4%
	Air (50 µL of 1000 mg/L) or (0.0050g of NIST 1648)					(5 / 0.655)	< 15% RPD	(4.1 +/- 6.9)
	Wipe (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)					(5 / 10.0)	< 15% RPD	(4.2 +/- 7.0)
	Paint (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)	0.5541 g	50	2.26	0.145		< 15% RPD	(4.1 +/- 8.2)
	Soil (25 µL of 1000 mg/L) or (0.01000g of NIST 2587)						< 15% RPD	(4.6 +/- 7.8)
	H ₂ O (100 µL of 1000 mg/L)					1	< 15% RPD	(2.4 +/- 6.4)
	Matrix Spike							101%
	Air (50 µL of 1000 mg/L) or (0.0050g of NIST 1648)					(5 / 0.655)	80% - 120%	(102.4 +/- 12.8)
	Wipe (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)					(5 / 10.0)	80% - 120%	(99.9 +/- 11.6)
	Paint (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)	0.0038 g	50	7.66	0.492	(5 / 10.0)	80% - 120%	(100.7 +/- 12.4)
	Soil (25 µL of 1000 mg/L) or (0.01000g of NIST 2587)					(5 / 0.324)	80% - 120%	(100.5 +/- 10.8)
	H ₂ O (250 µL of 500 mg/L)					(5.0 mg/L)	80% - 120%	(101.1 +/- 16.0)
	LCS					1		103%
	Air (50 µL of 1000 mg/L) or (0.0050g of NIST 1648)					(5 / 0.655)	80% - 120%	(103.0 +/- 11.9)
	Wipe (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)					(5 / 10.0)	80% - 120%	(100.2 +/- 12.3)
	Paint (25 µL of 1000 mg/L) or (0.0050g of NIST 2589)	0.0044 g	50	9.04	0.581	(5 / 10.0)	80% - 120%	(100.1 +/- 13.5)
	Soil (25 µL of 1000 mg/L) or (0.01000g of NIST 2587)					(5 / 0.324)	80% - 120%	(100.7 +/- 10.4)
	H ₂ O (250 µL of 1000 µg/L)					(5.0 mg/L)	80% - 120%	(101.2 +/- 12.7)
	Matrix Reporting Limit					1		108%
	Air (25µL of 100 mg/L Std)					(0.25 mg/L)	80% - 120%	(104.9 +/- 19.9)
	Wipe (25 µL of 500 mg/L Std)					(0.25 mg/L)	80% - 120%	(105.1 +/- 17.8)
	Paint (25 µL of 500 mg/L Std)	0.2651 g	50	0.27	0.017	(0.25 mg/L)	80% - 120%	(107.4 +/- 15.8)
	Soil (25 µL of 500 mg/L Std)					(0.25 mg/L)	80% - 120%	(104.5 +/- 17.3)
	H ₂ O 62.5 µL of 100 mg/L Std					(0.25 mg/L)	80% - 120%	(102.5 +/- 14.0)
	Standard (CCV)		---	1.02	0.066	---	90%-110%	102%
	Blank (CCB)		---	0.03	0.002	---	< 0.25 mg/L	BRL
1	353146	1650971	0.4470	50	0.06	0.004	1	
2		1650974	0.1792	25	1.38	0.089	10	
3		1650975	0.4760	50	1.15	0.074	10	
4		1650979	0.5564	50	2.34	0.150	1	
5	353118	1650625	0.1054	25	0.46	0.030	1	
6		1650626	0.0395	10	3.33	0.214	1	
7	352969	1649693	0.7165	50	8.05	0.517	100	
8		1649694	0.3855	50	10.41	0.669	1	
9		1649695	0.5539	50	5.19	0.333	1000	
10	353117	1650619	0.0800	10	1.11	0.071	1	
	Standard (CCV)		---	4.81	0.309	---	90%-110%	96%
	Blank (CCB)		---	0.10	0.006	---	< 0.25 mg/L	BRL
11		1650620	0.0466	10	2.08	0.134	10	
12								
13								
14								
15								
16								
17								
18								
19								
20								
	Standard (CCV)		---	9.73	0.625	---	90%-110%	97%
	Blank (CCB)		---	0.08	0.005	---	< 0.25 mg/L	BRL

5801 Logan Street, Suite 100 Denver, CO 80216

Handwritten signature and date: 6/20/16



June 20, 2016

Laboratory Code: RES
Subcontract Number: NA
Laboratory Report: RES 353146-2
Project # / PO #: 1644
Project Description: Quanset Hut at Heil Ranch

Boulder County Parks
5201 St. Vrain Rd.
Longmont CO 80503

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the American Industrial Hygiene Association, Lab ID 101533 - Accreditation Certificate #480. The laboratory is currently proficient in both IHPAT & ELPAT programs respectively.

Reservoirs has analyzed the following sample(s) using Atomic Absorption Spectroscopy (AAS) / Atomic Emission Spectroscopy - Inductively Coupled Plasma (AES-ICP) per your request. Reported sample results were not blank corrected. The analysis has been completed in general accordance with the appropriate methodology as stated in the analysis table. Results have been sent to your office.

RES 353146-2 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 authorized by the client. The results described in this report only apply to the samples analyzed. 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 should have any questions about this report, please feel free to call me at 303-964-1986.

Sincerely,

A handwritten signature in blue ink that reads "Jeanne Spencer". The signature is fluid and cursive, written over a light blue horizontal line.

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL, INC.

5801 Logan St., Suite 100
Denver CO 80216

TABLE ANALYSIS: LEAD IN PAINT

RES Job Number: **RES 353146-2**
Client: **Boulder County Parks**
Client Project Number / P.O.: **1644**
Client Project Description: **Quanset Hut at Heil Ranch**
Date Samples Received: **June 16, 2016**
Analysis Type: **USEPA SW846 3050B / AA (7420)**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 20, 2016**

Client ID Number	Lab ID Number	Reporting Limit (%)	LEAD CONCENTRATION (%)
QHUT-MR-5	EM 1650971	0.0028	BRL
QHUT-MR-7	EM 1650973	0.0035	0.19
QHUT-MR-8	EM 1650974	0.0026	0.12
QHUT-E-3	EM 1650975	0.0022	0.021

* Unless otherwise noted all quality control samples performed within specifications established by the laboratory.

Analyst / Data QA: 
Renee A. Cortez

BRL = Below Reporting Limit

Due Date: 6-21-623
 Due Time: _____

REILAB **Reservoirs Environmental, Inc.**
 5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV

Pager : 303-509-2098

Page 2 of 2
-IRM-2MM

INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: <u>Boulder County Parks & Open Space</u>	Company Address: <u>5201 St. Vrain Rd. Longmont, CO</u>	Contact: <u>Michael Lohr</u>	Contact Phone: <u>970.481.1349</u>
Project Number and/or P.O. #: <u>1644</u>	Project Description/Location: <u>Quanset Hut at Hell Ranch</u>	Final Data Deliverable Email Address: <u>Mlohr@bouldercounty.org</u>	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) <input checked="" type="checkbox"/> STANDARD (Rush PCM = 2hr, TEM = 6hr.)	REQUESTED ANALYSIS										VALID MATRIX CODES		LAB NOTES:									
	CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm Metal(s) / Dust ___ RUSH ___ 24 hr. <input checked="" type="checkbox"/> 3-5 Day RCRA 8 / Metals & Welding ___ RUSH ___ 5 day ___ 10 day Fume Scan / TCLP ___ 24 hr. ___ 3 day ___ 5 Day Organics ___ 24 hr. ___ 3 day ___ 5 Day MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___ 2 Day ___ 3-5 Day Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___ 3-5 Day Mold ___ RUSH ___ 24 Hr ___ 48 Hr ___ 3 Day ___ 5 Day										Air = A	Bulk = B										
Prior notification is required for RUSH turnarounds.	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s)	RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES	Drinking Water = DW	Waste Water = WW	O = Other	**ASTM E1792 approved wipe media only**	EM Number (Laboratory Use Only)
Special Instructions:	Client sample ID number (Sample ID's must be unique)																					
	1 QHUT - MR-1	X																				1650X66
	2 2	X																				
	3 3	X																				
	4 3(2)	X																				
	5 4	X																				
	6 5																					
	7 6	X																				
	8 7																					
	9 8																					
	10 9	X																				

Number of samples received: 15 (Additional samples shall be listed on attached long form.)
 NOTE: REI will analyze incoming samples based upon 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: _____ Date/Time: _____	Sample Condition: On Ice Sealed Intact
Laboratory Use Only	Temp. (F°) _____ Yes / No Yes / No <input checked="" type="checkbox"/> Yes / No
Received By: <u>Michelle White</u> Date/Time: <u>6/17/16 4:25pm</u> Carrier: <u>huel</u>	
Results: Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials
Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials

Due Date: _____
 Due Time: _____

REI LAB Reservoirs Environmental, Inc.
 5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

Job # 35314021
 Page 1 of 2

Pager : 303-509-2098

INVOICE TO: (IF DIFFERENT)

CONTACT INFORMATION:

Company: <u>Boulder County Parks & Open Space</u>	Company:	Contact: <u>Michael Lohr</u>	Contact:
Address: <u>5201 st vrain Rd Longmont, CO 80501</u>	Address:	Phone: <u>970.481.1349</u>	Phone:
Project Number and/or P.O. #: <u># 1644</u>		Fax: " "	Fax:
Project Description/Location: <u>Quanser Hut @ Hell</u>		Cell/pager: " "	Cell/pager:
		Final Data Deliverable Email Address:	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm		REQUESTED ANALYSIS										VALID MATRIX CODES		LAB NOTES:							
PLM / PCM / TEM	<input type="checkbox"/> RUSH (Same Day) <input type="checkbox"/> PRIORITY (Next Day) <input checked="" type="checkbox"/> STANDARD	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s)	RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	Salmonella: +/-	E.coli O157 HT: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES	Air = A	Bulk = B	EM Number (Laboratory Use Only)
CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm																			Drinking Water = DW	Waste Water = WW	
Metal(s) / Dust	<input type="checkbox"/> RUSH <input type="checkbox"/> 24 hr. <input type="checkbox"/> 3-5 Day																	Sample Volume (L) / Area	Date Collected mm/dd/yy	Time Collected hh/mm a/p	
RCRA 8 / Metals & Welding Fume Scan / TCLP	<input type="checkbox"/> RUSH <input type="checkbox"/> 5 day <input type="checkbox"/> 10 day																	Matrix Code			
Organics	<input type="checkbox"/> 24 hr. <input type="checkbox"/> 3 day <input type="checkbox"/> 5 Day																	# Containers			
MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm																					
E.coli O157:H7, Coliforms, S.aureus	<input type="checkbox"/> 24 hr. <input type="checkbox"/> 2 Day <input type="checkbox"/> 3-5 Day																				
Salmonella, Listeria, E.coli, APC, Y & M	<input type="checkbox"/> 48 Hr. <input type="checkbox"/> 3-5 Day																				
Mold	<input type="checkbox"/> RUSH <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day																				
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	QHUT-MR-10	X																			
2	QHUT-E-1	X																			
3	2	X																			
4	3						LEAD														
5	QHUT-0-1	X																			
6																					
7																					
8																					
9																					
10																					

Number of samples received: _____ (Additional samples shall be listed on attached long form.)
 NOTE: REI will analyze incoming samples based upon 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: <u>[Signature]</u>	Date/Time: <u>6/16/16 4:20 PM</u>	Sample Condition: On Ice Sealed Intact
Laboratory Use Only		Temp. (F°) _____ Yes / No Yes / No <input checked="" type="checkbox"/> Yes / No
Received By: <u>[Signature]</u>	Date/Time: <u>6/16/16 4:25 pm</u>	Carrier: <u>[Signature]</u>
Results:	Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials
	Contact Phone Email Fax Date Time Initials	Contact Phone Email Fax Date Time Initials

Asbestos Samples For (property): HEIL QHUT

Date/Time: 6/1/16
9:AM

Name of sampler: Michael Long

Sample ID #	Friable (Y/N)	Test Needed	Notes
QHUT-MR-1	N	PLM	9x9" Lenoleum w/ Black mastic
QHUT-MR-2	Y	PLM	Particle board on floor Resembles drywall
QHUT-MR-3	N Y	PLM	Green Lenoleum floor
QHUT-MR-3(2)	Y	PLM	" "
QHUT-MR-4	Y	PLM	Red Lenoleum under Green Lenoleum
QHUT-MR-5	Y	Lead	Teal paint on SW. wall
QHUT-MR-6	Y	PLM	Insulation under windows
QHUT-MR-7	Y	Lead	Purple paint on NW. wall
QHUT-MR-8	Y	Lead	Yellow Wall E. Side Paint
QHUT-MR-9	N	Lead	Green Paint on w. Wall
QHUT-MR-10	N	PLM	Green & white Lenoleum Near Shower
QHUT-E-1	Y	PLM	Deteriorated Lenoleum
QHUT-E-2	N Y	PLM	" "

Unless Mentioned Otherwise - Sample Condition is rated as "Good"

QHUT-E-3

Y

Lead

Peeling teal paint

QHUT-O-1

N

PLM

Tar paper under
Corrugated roofing

3 5/16