

**Asbestos Abatement
Work Plan
Wright Gymnasium Pool
Locker Rooms
Western State Colorado University
Gunnison, Colorado**

WALSH Project Number: WA-001221-0001-10TTO

WSCU Project Number: WSC-2011-FH-17

January 16, 2013



ASBESTOS ABATEMENT WORK PLAN WESTERN STATE COLORADO UNIVERSITY WRIGHT GYMNASIUM POOL LOCKER ROOMS GUNNISON, COLORADO

January 16, 2013

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1 INTRODUCTION

Walsh Environmental Scientists and Engineers, LLC. (WALSH) conducted a limited asbestos renovation inspection for Western State Colorado University at the Wright Gymnasium, Western State Colorado University in Gunnison, Colorado. Wright Gymnasium consists of one building used as a gymnasium at the University. The purpose of the investigation was to identify asbestos-containing materials and other hazardous materials to assist in the decision-making with respect to removal of identified materials in the Pool Locker Room area. The purpose of this Work Plan is to define a scope of work, outline a schedule and describe work procedures for removal of asbestos-containing materials and other hazardous materials within the Pool Locker Room area prior to a planned renovation at the connection point of the new Field House. The intent of this project is for a certified asbestos contractor (Contractor) to remove all asbestos-containing materials that may be affected by renovation in the work area.

2 SCOPE OF WORK

Table 1 below is a list of work areas and materials selected by Western State Colorado University Facilities Services (WSCUFS) for ACM removal. Removal includes proper disposal of all waste materials. The scope of work includes the removal of hard-packed pipe fittings, acoustical ceiling texture, floor tiles and mastic, and window glazing. Refer to Drawings in Attachment 1 and Data in Attachment 2 for further details regarding materials to be removed.

Table 2 below (Alternate 1) includes removal of ACM debris in the crawlspace beneath the Lower Gym. Alternate 1 may or may not be selected for inclusion in the scope of work for this project depending on availability of funding.

Table 3 below (Alternate 2) includes removal of Trace plaster walls in the storage room of the Women's Locker Room. Alternate 2 may be selected for inclusion if the General Contractor decides not to demolish walls with Trace amount of ACM.

**TABLE 1 – ASBESTOS-CONTAINING MATERIALS
SELECTED TO BE REMOVED
WRIGHT GYM POOL LOCKER ROOMS**

Phase	ACM ID	ACM MATERIAL	ASBESTOS CONTENT	LOCATION	APPROXIMATE QUANTITY
Phase I February 14 through March 3, 2013	PWG-WG01	Window Glazing, White, Original	2% Chrysotile	Women's Locker Room Exterior Glass Pane Windows	6 Windows
	PWG-FT04 PWG-FT05 PWG-FT-06	9-inch Floor Tile and Black Mastic	Tile—6 % Chrysotile Mastic—4 % Chrysotile	Entry to Women's Locker Room and Equipment Storage Rooms	750 SF
	PWG-FT02	12-inch Floor Tile and Black Mastic	Tile – ND Mastic – 4% Chrysotile	Main North Hallway	750 SF
	PWG-PC01	Popcorn Ceiling Texture	10% Chrysotile	Equipment Rooms in Women's Locker Room and by West Entry	500 SF
	PWG-TSI01	Hard Packed Pipe Fittings	Tan Wrap – ND Gray Insulation – 85% Chrysotile	Women's Locker Room within walls and above ceilings	50 Fittings*
	ASSUMED	Transite Cement Board	ASSUMED ACM	Women's Locker Room	64 SF
Phase II May 1-4, 2013	PWG-WP02	Window Putty, Thick, White with Gray Layer	20% Chrysotile	Windows West and South of Women's Locker Room on Exterior of Building	5 Windows**

LF – Linear Feet

SF – Square Feet

*Contractor is required to conduct limited demolition of interior walls and ceilings to locate ACM fittings for removal.

**Removal of the south pool windows are to be conducted on or about May 1-4, 2013 requiring an additional mobilization to the site. Abatement contractor must coordinate schedule with the GC for final scheduling. This mobilization must be included in the base bid for the project and will not be considered a change order for the project.

**TABLE 2 – ADD ALTERNATE 1
ASBESTOS-CONTAINING MATERIALS
TO BE REMOVED
WRIGHT GYM POOL LOCKER ROOMS**

ACM ID	ACM MATERIAL	ASBESTOS CONTENT	LOCATION	APPROXIMATE QUANTITY
PWG-DEB01	Debris, White Mag-Type Insulation in soil	75% Chrysotile	Tunnel to Lower Gym	30 Linear Feet of Tunnel
PWG-DEB02	Debris, Gray Transite	10 % Chrysotile	Under Lower Gym – Basketball Court	Remove Visible Debris plus 2-inches within a 1-foot radius Total Area is 7,000 SF

**TABLE 3 – ADD ALTERNATE 2
TRACE ASBESTOS MATERIALS
TO BE REMOVED
WRIGHT GYM POOL LOCKER ROOMS**

ACM ID	ACM MATERIAL	ASBESTOS CONTENT	LOCATION	APPROXIMATE QUANTITY
PWG-PL02	Interior Plaster	<0.25 – 0.75% Chrysotile	Women's Locker Room Storage Rooms	800 SF

NOTES:

1. The quantities identified herein are approximate.
2. All fittings within the work area are to be removed including damaged and intact fittings on existing pipes. Asbestos contractor is required to perform limited demolition in suspect areas of the locker rooms to confirm the presence of fittings. If found, removal is required.
3. The owner will provide electrical service for hook-up of asbestos contractor's power panels. Asbestos contractor will connect panels using qualified electricians.
4. The movement and handling of all items such as chairs, desks etc. to access ACM for removal is the asbestos contractor's responsibility.
5. It is the asbestos contractor's responsibility to protect existing heating and domestic water lines, as well as, electrical and communication wires within the building during removal.
6. The City of Gunnison has special requirements for water disposal. Contractor is responsible for identifying and following all requirements.
7. Add Alternate I includes removal and disposal of all ACM hard-packed pipe fittings, debris and two inches of soil throughout the crawlspace located under the Women's Gym. Two access points are available for use during removal. Refer to drawings for locations.
8. In areas where removal of window glazing and putty is specified for removal, the asbestos contractor will be required to close all openings with plywood or equivalent to prevent heat loss within the building immediately following ACM removal.

PHOTOS



Photo 1 - View of South Windows to be removed during Phase II Window Putty Containing 20% Chrysotile Asbestos.

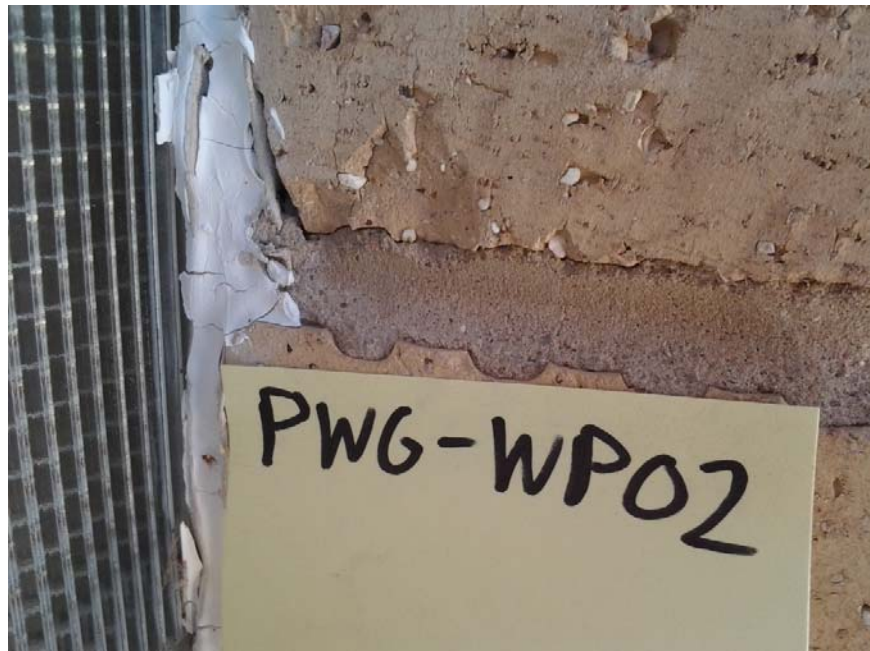


Photo 2 – View of Window Putty Containing 20% Chrysotile Located on Perimeter of Glass Block Windows.



**Photo 3 – View of Flooring in Main Hallway.
Floor Tile – ND, Mastic 4% Chrysotile.**



**Photo 4 – View of 9-inch Floor Tile at Entrance to Women's Locker Room.
Floor Tile 6% Chrysotile, Mastic 4% Chrysotile.**



Photo 5 – View of Exterior Windows to be removed during Phase I.

3 GENERAL HAZARDOUS MATERIALS

The asbestos contractor is required to remove general hazardous materials within the Women's Locker room including; light ballasts and bulbs. The contractor shall be responsible for compliance with all applicable federal, state and local regulations governing the removal, handling, storage and transportation of hazardous materials including DOT requirements for transportation of hazardous materials on public thoroughfares. The Owner or representative will review all transportation manifests prior to hazardous materials leaving the site.

The Contractor shall at all times maintain a safe work environment and protect workers, building inhabitants, inspectors, and the Owner and its staff from the exposure to hazardous materials.

4 SCHEDULE

Work for Phase 1 is scheduled to begin on February 14, 2013 and to be completed by March 3, 2013. Work for Phase 2 is to begin on May 1, 2013 and to be completed by May 4, 2013. Contractor shall coordinate a formal schedule with WSCU and WALSH prior to start of the project. The contractor must indicate on the attached Bid Form (Attachment 3) the time required to complete the project in workdays. Any costs incurred by the owner's representative to be on site after the time indicated to complete the project will be the responsibility of the contractor. Costs include but are not limited to travel, lodging, analytical fees, per diem and professional fees. A schedule summary is listed below:

Documented Quote Advertised – January 16, 2013
Pre-Bid Walkthrough – January 24, 2013 at 11:00 AM
Bids Due – January 30, 2013 at 4:00 PM
Notice of Award – February 1, 2013

Phase 1

Project Start – February 14, 2013
Project Complete – March 3, 2013

Phase 2

Project Start – On or about May 1, 2013, Coordinate final schedule with GC.
Project Complete – May 4, 2013

Alternates 1 – March 4- 15, 2013 (Coordinate Use of Access Hatch in Hallway with GC)

Alternate 2 – February 14 to March 3, 2013.

5 WORK PROCEDURES

The work areas contain non-friable and friable asbestos-containing materials that must be removed. The following procedures must be followed at a minimum, but all work is to be performed according to Regulation No. 8 and all other applicable laws and regulations:

- A. Pre-clean work areas where critical barriers will be applied. Construct and place critical barriers, impart a negative pressure differential between the work area and all surrounding areas, and put in place a fully operational decontamination unit contiguous with the work area. HEPA exhaust will be to the outside of the building in all work areas.
 - B. All surfaces within a work area shall be thoroughly HEPA vacuumed and wet-wiped so that no visible dust or debris remains. All moveable objects must be removed from work area prior to containment construction by the contractor.
 - C. Proceed with containment construction, abatement and final clearance air monitoring in accordance with Regulation # 8, Section III.
- Each work area will be cleared utilizing phase contrast microscopy (PCM) as the analytical technique. All clearance air monitoring will be conducted according to Regulation No. 8.
 - Restrooms may only be used in buildings where contractor is currently working. If no restrooms are available, contractor must provide temporary restrooms.
 - Staging area for equipment and personnel will be at the closest entrance to each work area. A small truck for waste loadout may be parked at each entrance. Security for any equipment and/or trucks left onsite is the responsibility of the contractor. Owner will not be responsible for theft or vandalism of contractor's equipment left onsite.

- Keys for access may be available for after hour's work. Schedule any after hour's work with facility services.
- **The quantities identified herein are approximate. The contractor is responsible for verifying material quantities and site conditions. Any discrepancies or omissions must be brought to the attention of the owner prior to acceptance of project. By accepting a purchase order, contractor agrees with all conditions for completing the work including general work areas, quantities, schedules and procedures.**
- **Project hours** for each work area are listed below:

Hours will be 7:00 a.m. to 5:00 p.m., Monday-Friday unless otherwise coordinated with the building owner.

Work Procedures for Add Alternate 1 – Contaminated Soil Removal

- The work area is considered a minor asbestos spill as outlined in Colorado Regulation No. 8 containing friable asbestos-containing materials. The work shall be performed according to Regulation No. 8 Section III.T.2. Minor Asbestos Spills and all other applicable laws and regulations.
- Contractor will remove visible debris and 2-inches of soil from a 1-foot radius of visible debris until all visible debris have been removed.
- Upon completion of abatement, WALSH will complete a visual inspection. A final visual inspection will be conducted bilaterally for visible debris. If visible debris is found, the abatement contractor will be required to remove visible debris and an additional two inches from a 1-foot radius of debris. When the work area has passed a visual inspection, clearance monitoring will be conducted by PCM in accordance with Colorado Regulation No. 8.

6 USE OF FACILITIES

- Restrooms may only be used in buildings where contractor is currently working. If no restrooms are available, contractor must provide temporary restrooms.
- Staging area for equipment and personnel will be at the closest entrance to each work area. Currently, access is available at the west entrance to the building. The area is fenced further to the west; however, access is attainable from the sidewalk. Contractor will be required to coordinate staging areas with the GC and WSCU facilities. Security for any equipment and/or trucks left onsite is the responsibility of the contractor. Owner will not be responsible for theft or vandalism of contractor's equipment left onsite.

- Keys for access may be available for after hour's work. Schedule any after hour's work with WSCUFS.
- **The quantities identified herein are approximate. Work area measurements are provided on the attached drawing for contractor's use in preparing the bid. Contractor will have access to the work areas prior to bid submittal. By accepting a purchase order or contract, contractor acknowledges he has visited the site and agrees with all conditions for completing the work including general work areas, quantities, schedules and procedures.**
- **Project hours** for each work area are listed below:

Hours will be 7:00 a.m. to 5:00 p.m., Monday-Sunday.

- Access to the Pool Tunnel will be through an active construction site. Contractor is required to wear protective gear, including but not limited to hard hat, eye protection, safety vest, and appropriate footwear when entering, exiting, or traveling through the construction zone.

Coordinate access to the site, after-hour, weekend work, and site security with General Contractor, J.E. Dunn Construction.

7 INSPECTIONS BY OWNER/OWNERS REPRESENTATIVE

1. When required by Owner/Owners Representative, the Contractor shall take down or uncover portions of the finished work. If the work thus exposed is satisfactory to Owner/Owners Representative, the cost of exposing and restoring the same shall be at the expense of Owner/Owners Representative, but, if in opinion of Owner/Owners Representative, work is unsatisfactory, all cost and expenses of exposing, removing, re-testing, replacing and restoring shall be borne by the Contractor.
2. Any omission or failure on the part of Owner/Owners Representative to disapprove or reject any inferior or defective work or material shall not be construed to be an acceptance of any such work or materials. The Contractor shall remove at its own expense any defective work or material rejected by Owner/Owners Representative and shall rebuild or replace the same without extra charge to Owner/Owners Representative. All retesting of an area for clearance shall be at the Contractor's expense.
3. All inspections shall take place during normal working hours. If inspections occur past normal working hours, the Contractor shall bear the costs incurred by Owner/Owners Representative as result of the additional labor of Owner/Owners Representative.
4. Where the Owner/Owners Representative has an on-site representative, the Contractor shall give the Owner/Owners Representative two (2) hours advance notice of an impending inspection. Where the Owner/Owners Representative does not have an on-site representative, then a 24-hour advance notice of impending inspection is required.

5. If the inspection detects items to be corrected the area will be termed "failed" and will need to have corrective action taken by the Contractor.
6. The Contractor must allow for a two (2) hour notice period before the re-inspection of the failed area may begin (this may be waived by Owner/Owners Representative). Items of work requiring inspection sign-off by Owner/Owners Representative are:
 - a. Pre-Abatement (Area Preparation/Containment) Inspection. Removal of asbestos and necessary demolition shall not take place until Owner/Owners Representative has inspected area preparation work and given approval.
 - b. Final Visual Inspection - The area shall not be encapsulated or locked down until Owner/Owners Representative has inspected and given approval of the final cleaning and area decontamination. The containment must be completely dry, during the inspection with no water droplets, remains or saturation on polyethylene sheeting or other surfaces in the containment.
 - c. Contractor shall request in writing (via speed memo or fax) required Owner/Owners Representative inspections including the time and date of the requested inspection.
7. A punch list of items to be corrected resulting from the "failed" inspection, will be prepared jointly by the Contractor and Owner/Owners Representative prior to final acceptance of the project by the Owner/Owners Representative. Inspections shall in no way be construed as final or partial acceptance by Owner/Owners Representative. Any failure or omission of the Owner/Owners Representative to notify the Contractor of defective work shall not excuse Contractor for liability for such defective work.
8. It will be necessary that the Contractor successfully confine fiber release to the designated work area and within the enclosure. Owner/Owners Representative obligations are solely to Owner/Owners Representative. In meeting such obligations Owner/Owners Representative may increase the burdens and expense of the Contractor, his Sub-Contractors or employees, or the surety of them. Nothing in the performance of Owner/Owners Representative services in connection with this project implies the undertaking for the benefit of, or which may be enforced by, the Contractor, his Sub-Contractors, or employees, or the surety of any of them. It is not the function of Owner/Owners Representative to specify all of the means by which the Contractor will attain the intended results, nor to state all of the environmental conditions that must be present for the safety of workers who are employed to produce the intended results, or for the safety of others during construction. The Contractor shall establish means and environmental conditions that meet applicable laws and regulations.
9. The Contractor is required to removal all specified ACM. Any ACM, debris or contaminated materials, missed, not accessed or abated thoroughly, and later discovered by the Owner/Owners Representative, will be corrected by the Contractor at no cost to the Owner/Owners Representative.
10. The Owner/Owners Representative will provide final visual inspection for all work areas and work Area Clearance sampling for each Phase

(enclosure). Samples exceeding 0.010 f/cc will be deemed to have failed, and must be re-cleaned and re-tested (to avoid scheduling and cost implications associated with TEM analysis). Contractor may, on the approval of the Owner/Owners Representative, have failed clearance samples analyzed by TEM if it will not interfere with the project schedule. Cost for TEM analysis will be responsibility of the contractor.

8 MAXIMUM ALLOWABLE ASBESTOS LEVEL (MAAL)

Outside Work Area: If any air sample taken outside of the Work Area exceeds the CDPHE Maximum Allowable Asbestos Level (MAAL), immediately and automatically stop all work except corrective action. The Owner/Owners Representative will determine the source of the high reading and so notify the Contractor in writing.

1. **Maximum Allowable Asbestos Level**
 - a. Air monitoring shall be conducted during normal occupancy and samples shall not be collected in an aggressive manner.
 - b. Where PCM is used as the method of analysis the standard is 0.01 fibers per cubic centimeter of air (f/cc) which is equivalent to 10,000 fibers per cubic meter of air (f/m³). The NIOSH 7400 Method shall be used to analyze samples. The number of samples to be taken shall be determined by the certified air monitoring specialist. Where TEM is used as the method of analysis, the standard is 70 structures/millimeter² (s/mm²). TEM analysis shall be conducted pursuant to the protocol in 40 C.F.R. Part 763, Appendix A to Subpart E (EPA 1995).
 - c. All air monitoring collected for MAAL and Clearance purposes shall be performed by the Owner's representative who is independent of the abatement contractor to avoid possible conflict of interest.
2. In the event that airborne fiber levels outside a Work Area exceed the MAAL when analyzed by PCM (when verified by TEM), the Contractor shall comply with CDPHE requirements for Major Asbestos Spills (Regulation 8 III.T). If the high reading was the result of a failure of Work Area isolation measures initiate the following additional actions:
 - a. Immediately erect new critical barriers to isolate the affected area from the balance of the building. Erect Critical Barriers at the next existing structural isolation of the involved space (e.g. wall, ceiling, floor).
 - b. Decontaminate the affected area.
 - c. Require that respiratory protection be worn in affected area until area is cleared for re-occupancy.
 - d. Leave Critical Barriers in place until completion of work and insure that the operation of the pressure differential system in the Work Area results in a flow of air from the balance of the building into the affected area.
 - e. If the exit from the clean room of the personnel decontamination unit enters the affected area, establish a decontamination facility consisting of a Shower Room and Changing at entry point to affected area.
 - f. After Certification of Visual Inspection in the Work Area remove critical barriers separating the work area from the affected area. Final air samples will be taken within the entire area.
3. In the event that areas beyond the work area become contaminated with asbestos, asbestos-containing dust/debris, and/or visible emissions from the work area, the Contractor shall be responsible for all costs associated with cleaning and subsequent testing (visual inspection, air sampling and bulk analysis) of these areas.
4. If the high reading was the result of other causes initiate corrective action as required by the applicable regulations at the direction of the Owner.

Effect on Contract Sum: Complete corrective work with no change in the Contract Sum if high airborne fiber counts were caused by Contractor's activities. The Contract Sum and schedule will be adjusted for additional work caused by high airborne fiber counts beyond the Contractor's control. Contractor is responsible for all costs associated with TEM verification where PCM samples exceed 0.010 f/cc, and any subsequent cleaning and additional sampling costs regardless of TEM sample results.

9 SUBMITTALS

Plan of Action

Prepare a brief plan of the procedures proposed for use in complying with the requirements of this work plan and all applicable regulations. Include in the plan the general locations and layouts of decontamination areas, the sequencing of asbestos work (containments and work areas), methods to be used to assure the safety of building occupants and visitors to the site, disposal plan including staging and waste load-out procedures, and location of approved disposal site. Expand upon the use of HEPA ventilation system (number and locations), closing out of the building's HVAC and electrical systems, and method of removal to prohibit visible emissions. The Contractor is solely responsible for construction means, methods, techniques and sequences, and procedures with respect to complying with applicable regulations.

Technical Submittals

The contractor shall submit all technical documentation as specified in this section using the list and schedule provided below.

<u>Pre-start Submittals</u> (Prior to Start of Work)	<u>Daily Submittals</u>	<u>Contract Closeout</u> (Two weeks after)
• Respiratory Protection Program • Hazard Communication Program • Medical Response Program • General Abatement Certificate • Insurance Certificate • Workers Compensation Insurance • Automotive Insurance Certification • Performance and Payment Bonds (with Bid Form)) • List of Personnel Used • Personnel Certifications • Project Design (Plan of Action) • Project Sequencing and Schedule • Disposal Facility Information	• Daily Field Logs • Daily Entry/Exit Sign-in Sheets • Visitor Documentation Forms • Event Condition Report • 24-hour Manometer Chart • Air Monitoring Results • Accident Reports • Photographs	• Disposal Manifests • Owner's Final Inspection • Change Orders • Final Punchlist Document

10 PROJECT COORDINATION

The intent of the phasing for this project is to minimize disruption to students and faculty. The Contractor shall execute the work under this Contract with minimal disturbance of building occupants. A schedule shall be coordinated with WSCUFS to minimize effects of noisy construction operations and interruptions of power or water. Coordination shall include informal meetings with WSCUFS and onsite representatives such as the following:

-Inspect areas in which work will be performed, prior to commencement of work. Prepare a listing of damage to structure, surfaces, and equipment or of surrounding properties, which could be misconstrued as damage resulting from the work. Photograph or videotape existing conditions as necessary to document conditions. Submit to WSCUFS for record purposes prior to starting work.

-Informal Pre-construction Conference to be convened by the Contractor prior to start of any work. The conference will be scheduled before start of construction, at a time convenient to the Facilities Services, but no later than the day of the start of the project. Meet at the project site, or as otherwise directed. Authorized representatives of WSCUFS will be in attendance. An authorized representative of the Contractor and its project supervisor and other concerned parties shall attend the conference. All participants at the conference shall be familiar with the Project and authorized to conclude matters relating to the Work. Contractor will document the meeting and distribute meeting minutes no later than three days after the meeting.

-Project Closeout- Before requesting final inspection for certification of final acceptance and final payment, a project punch-list must be completed and accepted by WSCUFS. The punch-list shall state that each item has been completed or otherwise resolved for acceptance and shall be endorsed and dated by WSCUFS.

11 INSURANCE

The Contractor shall procure Insurance which meets or exceeds the State's minimum insurance requirements. Insurance shall include Comprehensive General Public Liability and Property Damage Insurance, Worker's Compensation Insurance and Comprehensive Automobile Liability and Property Damage Insurance as hereinafter specified, at his own expense, during the life of this contract. This insurance shall include a provision preventing cancellation within a specified number of days and shall state whether the coverage is "claims made" or "occurrence made". The Contractor shall obtain "occurrence or claims made" insurance as specified in the contract documents. A completed Certificate of Insurance shall be filed with the owner within ten (10) days after the date of the Notice of Award, said Certificate to specifically state the inclusion of the coverage and provisions set forth in the contract documents.

12 QUALIFICATIONS AND LIMITATIONS

WALSH completed this investigation and work plan in a manner consistent with current professional practices. The assessment was limited to sampling locations and analyses described in the report provided by the client. No other sampling or analyses were conducted during this investigation. Only readily accessible spaces were inspected; therefore, it is possible that ACM may exist in areas that were inaccessible during the building walk through. It is possible that additional reports or investigations could alter the conclusions of this assessment.

Procedures are prepared for use by the contractor, but do not limit the contractor from performing its work according to any regulations not included in this document.

This report is intended for use only by the client or its designees. Any future use of this report by anyone other than the above-referenced client will require authorization by WALSH.

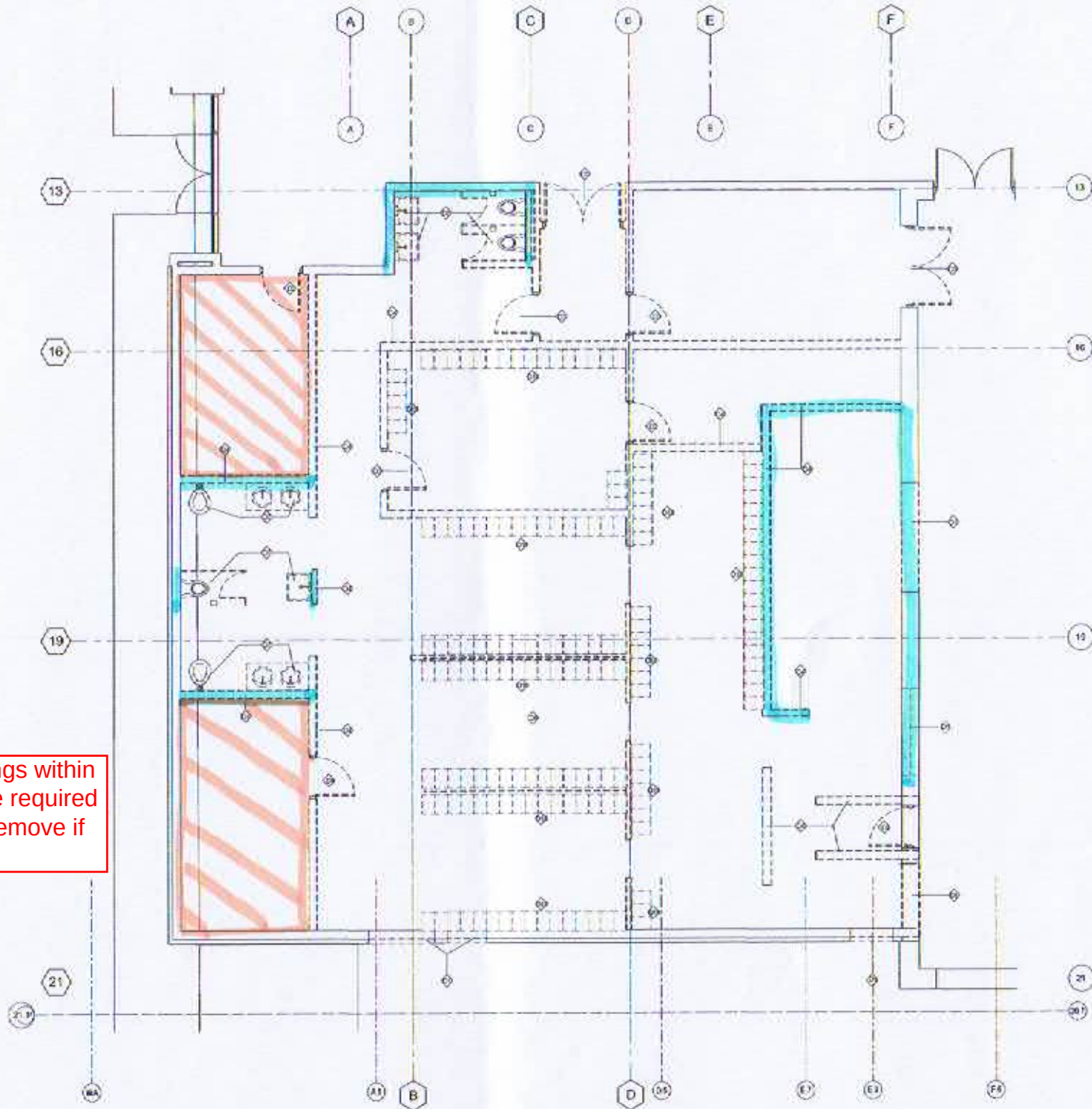
ATTACHMENT 1

DRAWINGS

DEMOLITION GENERAL NOTES	
1.	VERIFY DEMOLITION CONDITIONS AT PRE-DEMOLITION MEETING TO BE SCHEDULED WITH PROJECT TEAM PRIOR TO COMMENCEMENT OF WORK.
2.	OWNER HAS FIRST RIGHT OF SALVAGE FOR ALL DEMOLISHED PLUMBING, ELECTRICAL, FURNITURE, HARDWARE, EQUIPMENT, ETC.
3.	RECYCLE CONSTRUCTION WASTE.
4.	COORDINATE REMOVAL OF GAS, ELECTRICAL, TELEPHONE AND CABLE. PROVIDE TEMPORARY SERVICE TO THE EXISTING BUILDING DURING CONSTRUCTION.
5.	COORDINATE ALL DEMOLITION OF ALL SITE WORK AND M.E.P. WITH ANY CONSULTANT OR SUBS. IF A DISCREPANCY IS FOUND NOTIFY THE DESIGN TEAM IMMEDIATELY.
DEMOLITION KEY NOTES	
1	REMOVE EXISTING WALL. VERIFY LOCATION AND ROUGH DIMENSIONS WITH NEW CONSTRUCTION DWGS.
2	REMOVE EXISTING WINDOW AND FRAME.
3	REMOVE EXISTING DOOR AND FRAME.
4	REMOVE EXISTING PARTITION WALL.
5	REMOVE EXISTING FLOORING, PATCH AND REPAIR AS NECESSARY.
6	REMOVE EXISTING CEILING.
7	REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PLUMBING LINES TO COORDINATE WITH NEW PLUMBING GRAPHS. PATCH AS NECESSARY TO MATCH FINISHED ARCH. DINGS.
8	REMOVE EXISTING RAIP, PATCH AND REPAIR POOL DECK AS NECESSARY.
9	REMOVE EXISTING LIGHTING FIXTURES.
10	REMOVE EXISTING LOCKERS.

EXISTING WALLS	
DEMOLISHABLE WALLS	
NEW WALLS	
DEMO NOTES	12" = 1'-0"

- Acoustical Ceiling texture (popcorn)
- Locations of possible ACM pipe fittings within walls and ceilings - contractor will be required to conduct demolition to verify and remove if identified.



FRIABLE ACM TO BE REMOVED

NOT FOR CONSTRUCTION

SINK COMBS DETHLEFS
A Professional Consulting Firm

- REFERENCE NOTES:
- REFER TO SHEET A000 FOR GENERAL NOTES.
 - REFER TO SHEET A000 & A001 FOR CODE RELATED INFORMATION. REFERENCE SHEETS A, SERIES SHEETS FOR FIRE-PROOFING AND RATED WALL DIAGRAM.
 - REFER TO SHEET A001 FOR TYPICAL PARTITION CRITERIA.
 - REFER TO SHEET A001 GLAZING TYPES.
 - PROVIDE 2 DRIFT FIRE RATED FIRESTOPPING AND FIRE SEALANT ASSEMBLY FOR ALL THROUGH WALL AND FLOOR/PIPING, CONDUIT AND DUCT PENETRATIONS THROUGH RATED WALLS. SEE SPECIFICATIONS SECTION 0811 & SHEET A001 FOR APPLICATION OF JOINT TYPE.
 - REFER TO SHEET A001 FOR EQUIPMENT SCHEDULE.
 - REFER TO SHEET A001 FOR INTERIOR FINISHES.

Issued/Revised:	Date:
SCHEMATIC DESIGN	2/19/18
DESIGN DEVELOPMENT	8/22/18
GRAPH SET	11/28/18

WESTERN
STATE COLLEGE
FIELDHOUSE &
RECREATION
CENTER

SCD Project No.: 1032

EXISTING/ DEMO
POOL ALT.9A

Drawn By:
Checked by:

AD4.42

- FIELD VERIFY DEMOLITION OPERATIONS AND REDEMOLITION MEETING TO BE SCHEDULED WITH PROJECT TEAM PRIOR TO COMMENCEMENT OF WORK.
- OWNER HAS FIRST RIGHT-TO-PASS SELLER FOR ALL DEMOLISHED PLUMBING/ELECTRICAL FIXTURES, MACHINERY, EQUIPMENT, ETC.
- RECTIFY CONSTRUCTION WASTE
- COORDINATE REMOVAL OF GAS, ELECTRICAL, TR. PIPES AND CABLE. PROVIDE TEMPORARY BRIDGE TO THE EXISTING BUILDING DURING CONSTRUCTION.
- COORDINATE ALL DEMOLITIONS OF ALL SITE WORK AND ASSESS RISK/REPAIR/CONSULTANT DESIGN OFFICE, IF A DISCREPANCY IS FOUND NOTIFY THE CLIENT IMMEDIATELY.

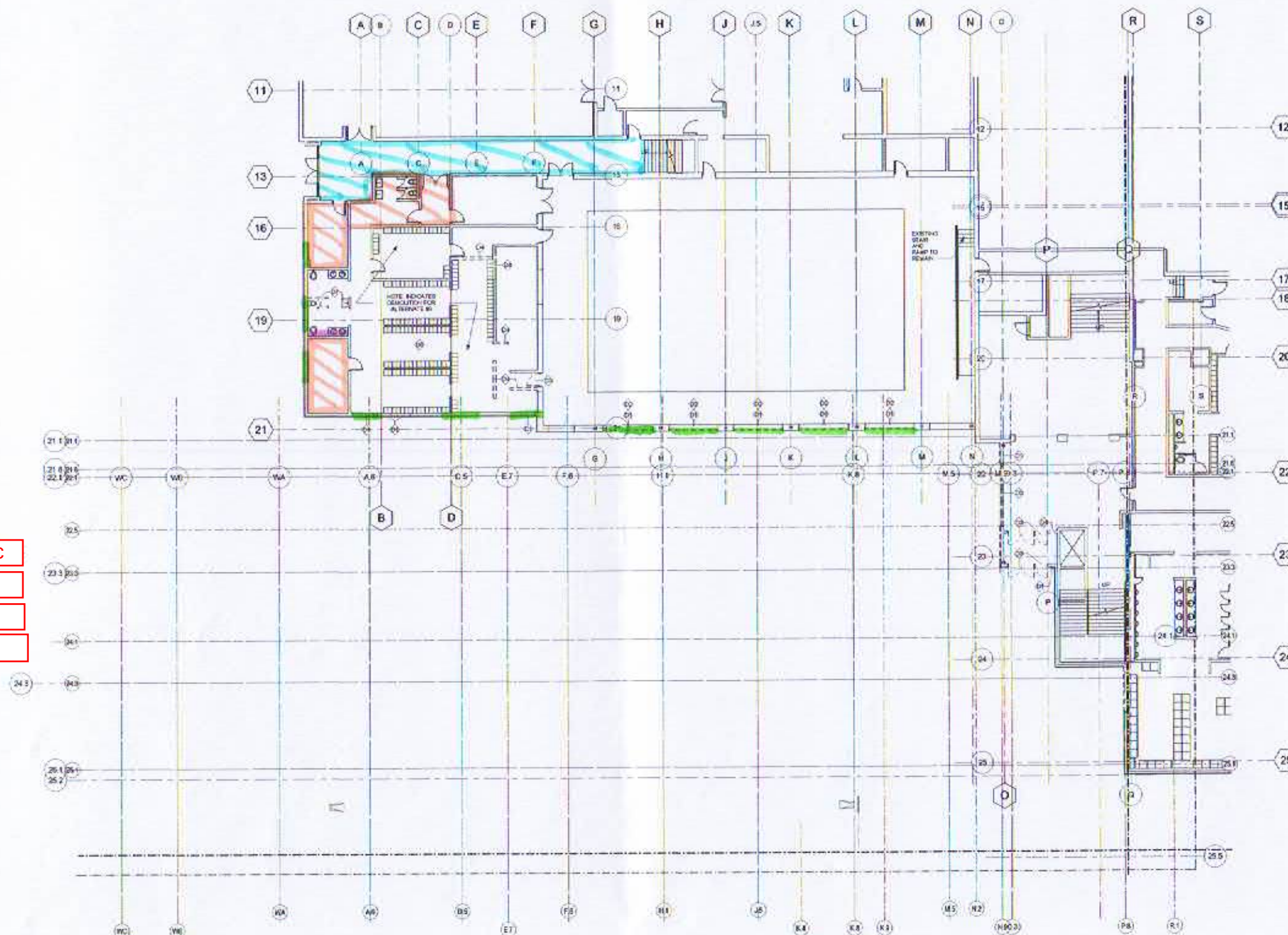
1. REMOVE EXISTING WALL, VERIFY LOCATION AND ROOM OPENING SIZE WITH MEPCO/SELECTION DRWG.
2. REMOVE EXISTING WINDOW AND FRAME
3. REMOVE EXISTING DOOR AND FRAME
4. REMOVE EXISTING PARTITION WALL
5. REMOVE EXISTING FLOORING, PATCH AND REPAIR AS NECESSARY
6. REMOVE EXISTING CEILING
7. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PLUMBING LINES TO COORDINATE WITH NEW PLUMBING DIAGRAMS, PATCH AS NEEDED BY MEPCO/SELECTION DRWG.
8. REMOVE EXISTING RAFF, PATCH AND REPAIR POOL DECK AS NECESSARY
9. REMOVE EXISTING LIGHTING FIXTURES
10. REMOVE EXISTING LOCKERS

DEMOGRAPHIC CHANGE

DEMO NOTES
12 = 1-6"

Transite Panel

① 01 - EXISTING FIELDHOUSE LEVEL QUAD 2
3.00" = 1'-0"



1. REFER TO SHEET A-05 FOR GENERAL NOTES.
2. REFER TO SHEET A-10 & A-04 FOR CODE RELATED INFORMATION. REFERENCE SHEET A-1 SERIES DETAILS FOR FIRE PROOFING AND RATED WALL DIAGRAM.
3. REFER TO SHEET A-1-3 FOR WALL TYPES. REFER TO SHEET A-01 FOR THEATRE PRACTICE CENTERA
4. REFER TO SHEET A-6-0 CLADDING TYPES.
5. PROVIDE FIVE RATED FIRE STOPPING AND FIRE SEALANT ASSEMBLY FOR ALL THROUGH WALL AND FLOOR RISERS CONDUIT AND DUCT PENETRATIONS THROUGH WALLS/FLOORS. SEE SPECIFICATION SECTION 7-2.1.1 SHEET A-01 FOR APPLICATION OF JOINT TYPE.
6. REFER TO SHEET A-05 FOR EQUIPMENT FINISHES.
7. REFER TO SHEET A-1-0 FOR INTERIOR FINISHES.

Issue/Version	Date
SCHEMATIC DESIGN	3/19/11
DESIGN DEVELOPMENT	8/02/11
CMP SET	11/23/11

EXISTING/ DEMO
FIELDHOUSE
LEVEL QUAD 2

Checked By _____

AD1.12

ADD ALTERNATE 1 WORK AREA

Entrance from
Mechanical Room

Access Hatch in Hallway

FOUNDATION WALL PLAN

ATCHISON & KLOVERSTROM, ARCHITECTS
257 JOSEPHINE STREET, DENVER, COLORADO

GYMNASIUM & NATATORIUM ADDITION
MOUNTAINEER GYMNASIUM
WESTERN STATE COLLEGE
GUNNISON - COLORADO

2

1. FIELD VERIFY GEOLOGICAL CONDITIONS AT THE CONSTRUCTION SITE PRIOR TO BE SCHEDULED FOR PROJECT TRANSFER PRIOR TO COMMENCEMENT OF WORK.

2. OWNER HAS FIRST RIGHT TO PURCHASE FOR ALL DISBURSED FLEET/ELECTRICAL FITTINGS, INSTRUMENTS, ETC.

3. RECYCLE CONSTRUCTION WASTE

4. COORDINATE REMOVAL OF GAS, ELECTRICAL, TELECOM AND GAS & RELOCATE TEMPORARY SERVICE TO THE EXISTING BUILDING DURING CONSTRUCTION

5. COORDINATE ALL CONSTRUCTION OF ALL NEW ROADS AND RAIL LINES AT CONSULTATION WITH OTHERS. IF A SUBSCRIPTION IS FOUND IN THIS DESIGN TEAM MEMBERSHIP.

1. REMOVE EXISTING WALL, VERIFY LOCATION AND
DOOR OPENING SIZE WITH NEW CONSTRUCTION
DIMS.
2. REMOVE EXISTING WINDOW AND FRAME
3. REMOVE EXISTING DOOR AND FRAME
4. REMOVE EXISTING PARTITION WALL
5. REMOVE EXISTING FLOORING, PATCH AND REPAIR AS
NECESSARY.
6. REMOVE EXISTING CEILING
7. REMOVE EXISTING PLUMBING FIXTURES AND
ASSOCIATED PLUMBING LINES TO COORDINATE WITH
NEW PLUMBING DRAINAGE PITCH AS REQUIRED TO
MATCH FINISHED GRADE, DRAIN.
8. REMOVE EXISTING SHIP, PATCH AND REPAIR POOL
DECK AS NECESSARY
9. REMOVE EXISTING LIGHTING FIXTURES
10. REMOVE EXISTING LOCKERS

Page 10 of 10

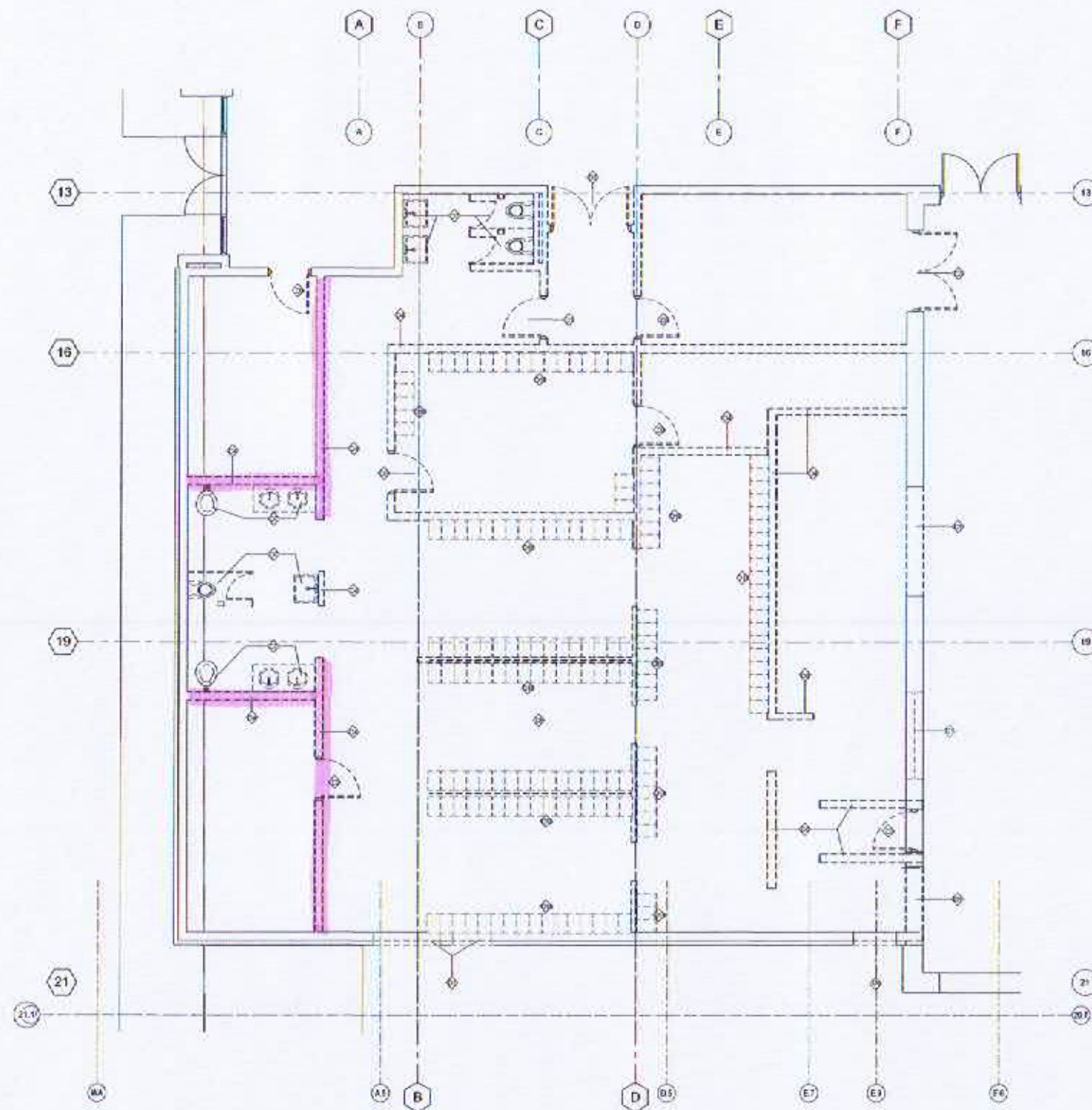
10/10/2016

Page 10 of 10

DEMO NOTES
12 = 50

Plaster Walls to be Removed

ADD ALTERNATE 2 - DEMOLITION OF TRACE
PLASTER WALLS



NOT FOR
CONSTRUCTION

1997-1998 1998-1999 1999-2000	1997-1998 1998-1999 1999-2000	1997-1998 1998-1999 1999-2000
-------------------------------------	-------------------------------------	-------------------------------------

1. REFER TO SHEET A-20 FOR GENERAL NOTES.
2. REFER TO SHEET A-000 & A-001 FOR CODE RELATED INFORMATION. REFERENCE SHEETS 1-1, SERIES SHEETS FOR FIRE PROTECTING AND EXTERIOR WALL CONFORMANCE.
3. REFER TO SHEET A-20 FOR WALL TYPES. REFER TO SHEET A-001 FOR TYPICAL PARTITION CRITERIA.
4. REFER TO SHEET A-000 & A-001 FOR TYPES.
5. PROVIDE FIRE RATED PARTITIONING AND FIRE RESISTANT ASSEMBLY FOR ALL THROUGH WALL AND FLOOR/CEILING JOINTS AND DUCT PENETRATIONS THROUGH WALLS. SEE SPECIFICATIONS SECTION 08401 & SHEET A-001 FOR APPLICATION OF JOINT TYPE.
6. REFER TO SHEET A-001 FOR EQUIPMENT SCHEDULING.
7. REFER TO SHEET A-001 FOR INTERIOR FINISHES.

Issues/Revisions:	Date:
SCHEMATIC DESIGN	2/13/11
DESIGN DEVELOPMENT	4/30/11
OMP SET	11/21/11

WESTERN
STATE COLLEGE
FIELDHOUSE &
RECREATION
CENTER

SCD Project No. 1032

EXISTING/ DEMO
POOL ALT.9A

Drawn By: _____
Checked By: _____

AD4.42

ATTACHMENT 2

ASBESTOS DATA

June 13, 2012

Laboratory Code: RES
Subcontract Number: NA
Laboratory Report: RES 237145-1R
Project # / P.O. #: None Given
Project Description: Paul Weight Gym WSC

Mike Perry
Walsh Environmental - (Colo. Springs)
130 E. Kiowa Suite 202
Colorado Springs CO 80903

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 237145-1R 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,



Jeanne Spencer
President



Analyst(s): Paul D. LoScalzo

Paul D. LoScalzo	Wenlong Liu
Michael Scales	Adam Humphreys
Anita Grigg	Robert R. Workman Jr.
Bethany Nichols	Anya Angst

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0
TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 237145-1R**
Client: **Walsh Environmental - (Colo. Springs)**
Client Project Number / P.O.: **None Given**
Client Project Description: **Paul Weight Gym WSC**
Date Samples Received: **June 4, 2012**
Analysis Type: **PLM, Short Report**
Turnaround: **3-5 Day**
Date Analyzed: **June 9, 2012**

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 (%)		
PWG-AS01-01	EM 135508	A	Gray/black shingle	35	Chrysotile	12	3	85
		B	Black/white shingle	65		ND	30	70
PWG-CBM01-01	EM 135509	A	White compound	5		ND	0	100
		B	Pink resinous material	30		ND	0	100
		C	White resinous material	65		ND	0	100
PWG-CBM02-01	EM 135510	A	Yellow fibrous woven material	5		ND	99	1
		B	Tan mastic	15		ND	0	100
		C	White compound	80		ND	0	100
PWG-CDW01-01	EM 135511	A	Tan/white drywall	30		ND	50	50
		B	White compound	70		ND	0	100
PWG-CK01-01	EM 135512	A	White resinous material	5		ND	0	100
		B	Tan/multi-colored paint	15		ND	0	100
		C	Tan granular plaster	80		ND	20	80
PWG-CMU01-01	EM 135513	A	White paint w/ gray/multi-colored granular material	100		ND	0	100

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

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					Mineral	Visual Estimate (%)		
PWG-CMU01-02	EM 135514	A	White paint w/ gray/multi-colored granular material	100		ND	2	98
PWG-CMU01-03	EM 135515	A	White paint w/ gray/multi-colored granular material	100		ND	2	98
PWG-CMU02-01	EM 135516	A	White paint w/ gray/multi-colored granular material	100		ND	0	100
PWG-CMU02-02	EM 135517	A	White paint w/ gray/multi-colored granular material	100		ND	0	100
PWG-CMU02-03	EM 135518	A	White paint w/ gray granular material	100		ND	0	100
PWG-CRS01-01	EM 135519	A	Red brick	40		ND	0	100
		B	Red-brown ceramic material	60		ND	0	100
PWG-CS01-01	EM 135520	A	Gray granular plaster	100		ND	0	100
PWG-CT01-01	EM 135521	A	White/tan ceiling tile	100		ND	70	30

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					Mineral	Visual Estimate (%)		
PWG-CT02-01	EM 135522	A	Tan fibrous material w/ white resinous material	100		ND	90	10
PWG-CT03-01	EM 135523	A	White/gray ceiling tile	100		ND	70	30
PWG-CTA01-01	EM 135524	A	Cream grout	35		ND	0	100
		B	Cream/white ceramic tile	65		ND	0	100
PWG-CTA02-01	EM 135525	A	Gray granular cementitious material	20		ND	0	100
		B	Pink ceramic tile	80		ND	0	100
PWG-DEB01-01	EM 135526	A	White fibrous material	100	Chrysotile	75	0	25
PWG-DEB02-01	EM 135527	A	Gray fibrous cementitious material	100	Chrysotile	10	0	90
PWG-EJ01-01	EM 135528	A	Black resinous material	50		ND	0	100
		B	Black tar w/ white fibrous woven material	50		ND	15	85
PWG-ES01-01	EM 135529	A	Pink resinous granular material	100		ND	0	100
PWG-ES01-02	EM 135530	A	Pink resinous granular material	100		ND	0	100

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					Mineral	Visual Estimate (%)		
PWG-ES01-03	EM 135531	A	Pink resinous granular material	100		ND	0	100
PWG-ES01-04	EM 135532	A	Gray granular material	3		ND	0	100
		B	Pink resinous granular material	97		ND	0	100
PWG-ES01-05	EM 135533	A	Gray granular material	20		ND	0	100
		B	Pink resinous granular material	80		ND	0	100
PWG-ES02-01	EM 135534	A	White granular plaster w/ tan resinous material	100		ND	0	100
PWG-ES02-02	EM 135535	A	White/gray granular plaster w/ tan/white resinous material	100		ND	0	100
PWG-ES02-03	EM 135536	A	White granular plaster w/ tan resinous material	100		ND	0	100
PWG-ES02-04	EM 135537	A	White granular plaster w/ tan/white resinous material	100		ND	0	100
PWG-ES02-05	EM 135538	A	White granular plaster w/ tan resinous material	100		ND	0	100

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					Mineral	Visual Estimate (%)		
PWG-FP01-01	EM 135539	A	Black tar paper	100		ND	45	55
PWG-RS01-01	EM 135540	A	Silver paint	2	Chrysotile	2	0	98
		B	Gray granular material	8		ND	0	100
		C	Gray/black fibrous tar	90	Chrysotile	17	0	83
PWG-RT1-01	EM 135541	A	Silver paint	2	Chrysotile Point Count	TR <0.25	0	100
		B	Gray granular material	3		ND	0	100
		C	Black tar	95		ND	0	100
PWG-RW01-01	EM 135542	A	Gold/brown fibrous material	100		ND	85	15
PWG-RW01-02	EM 135543	A	Tan fibrous material	100		ND	85	15
PWG-RW01-03	EM 135544	A	Brown/tan fibrous material	100		ND	85	15
PWG-TS01-01	EM 135545	A	White texture w/ white paint	100		ND	0	100
PWG-TS01-02	EM 135546	A	Tan/white drywall w/ white paint	100		ND	20	80

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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 (%)		
PWG-TS01-03	EM 135547	A	White texture w/ white paint	100		ND	0	100
PWG-TS02-01	EM 135548	A	White plaster w/ white/green paint	100		ND	0	100
PWG-TS02-02	EM 135549	A	Gray granular plaster	10		ND	0	100
		B	White texture w/ white paint	90		ND	0	100
PWG-TS02-03	EM 135550	A	White plaster w/ white/multi-colored paint	100		ND	0	100
PWG-TS02-04	EM 135551	A	White texture w/ white paint	100		ND	0	100
PWG-TS02-05	EM 135552	A	White plaster w/ white/yellow paint	100		ND	0	100
PWG-VB01-01	EM 135553	A	Black tar w/ white fibrous debris	100		ND	TR	100
PWG-WP01-01	EM 135554	A	White resinous material	100		ND	0	100
PWG-WP02-01	EM 135555	A	White/brown fibrous resinous material	100	Chrysotile	20	0	100
PWG-WG01-01	EM 135556	A	White glaze w/ red paint	100	Chrysotile	2	0	98
PWG-WG02-01	EM 135557	A	White glaze	100		ND	0	100

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					Mineral	Visual Estimate (%)		
PWG-WG03-01	EM 135558	A	Gray glaze	100		ND	0	100
PWG-FT01-01	EM 135559	A	Black mastic	2		ND	0	100
		B	White tile	98		ND	0	100
PWG-FT02-01	EM 135560	A	Black mastic	TR	Chrysotile	4	0	96
		B	Gray tile	100		ND	0	100
PWG-FT03-01	EM 135561	A	Black mastic	5		ND	0	100
		B	Red tile	95		ND	0	100
PWG-FT04-01	EM 135562	A	Black mastic	3		ND	0	100
		B	Green tile	97	Chrysotile	4	0	96
PWG-FT05-01	EM 135563	A	Black mastic	TR	Chrysotile	4	0	96
		B	Green tile	100	Chrysotile	6	0	94
PWG-FT06-01	EM 135564	A	Black mastic	TR	Chrysotile	4	0	96
		B	Green tile	100	Chrysotile	6	0	94
PWG-GD-01-01	EM 135565	A	Tan resinous material	100		ND	0	100

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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 (%)		
PWG-GT01-01	EM 135566	A	Gray granular material w/ tan paint	100		ND	0	100
PWG-GT02-01	EM 135567	A	Tan granular material	100		ND	0	100
PWG-PC01-01	EM 135568	A	Tan micaceous material	100	Chrysotile	10	0	90
PWG-PC01-02	EM 135569	A	Tan micaceous material	100	Chrysotile	10	0	90
PWG-PC01-03	EM 135570	A	Tan micaceous material	100	Chrysotile	10	0	90
PWG-PL01-01	EM 135571	A	Gray granular material w/ tan paint	100		ND	0	100
PWG-PL01-02	EM 135572	A	Gray granular material w/ tan paint	100		ND	0	100
PWG-PL01-03	EM 135573	A	Gray granular material w/ white paint	100		ND	0	100
PWG-PL01-04	EM 135574	A	Gray granular material w/ white paint	100		ND	0	100
PWG-PL01-05	EM 135575	A	Gray granular material w/ white paint	100		ND	0	100
PWG-PPS01-01	EM 135576	A	White resinous material	40		ND	0	100
		B	White fibrous material w/ silver foil	60		ND	60	40

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					Mineral	Visual Estimate (%)		
PWG-PPS01-02	EM 135577	A	White resinous material	50		ND	0	100
		B	White fibrous material	50		ND	90	10
PWG-PPS01-03	EM 135578	A	White fibrous material w/ silver foil	35		ND	20	80
		B	White resinous material	65		ND	0	100
PWG-PS01-01	EM 135579	A	Red resinous material	100		ND	3	97
PWG-TSI01-01	EM 135580	A	Tan wrap	4		ND	98	2
		B	Gray insulation	96	Chrysotile	85	0	15
PWG-TSI01-02	EM 135581	A	Tan wrap	2		ND	98	2
		B	Gray insulation	98	Chrysotile	85	0	15
PWG-TSI01-03	EM 135582	A	Gray insulation	100	Chrysotile	85	0	15
PWG-PL02-01	EM 135583	A	White plaster	10		ND	0	100
		B	Gray paint	10		ND	0	100
		C	Tan plaster	80	Chrysotile Point Count	TR <0.25	0	100

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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 (%)		
PWG-PL02-02	EM 135584	A	White plaster	10		ND	0	100
		B	Gray paint	10		ND	0	100
		C	Tan plaster	80	Chrysotile Point Count	TR 0.5	0	100
PWG-PL02-03	EM 135585	A	Tan plaster	100	Chrysotile Point Count	TR 0.75	0	100
PWG-PL02-04	EM 135586	A	Tan plaster	100	Chrysotile Point Count	TR <0.25	0	100
PWG-PL02-05	EM 135587	A	Tan plaster	100	Chrysotile Point Count	TR 0.25	0	100

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

Reservoirs Environmental, Inc.

RES 237145

Due Date: 6-7-01 7:00 PM
 Due Time: 7:00 PM
 5801 Logan Street, Suite 100 Denver, CO 80216
 (303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

Page 1 of 1

SAMPLES SUBMITTED BY:

Company: Walsh Environmental Scientists & Engineers, LLC.
 Address: 130 E. Kiowa St. Suite 202
 Colorado Springs, CO 80903

INVOICE TO: (IF DIFFERENT)

Contact: Aaron Ardourel
 Phone: 1-719-227-0999
 Fax: 1-719-227-0491
 Cell/pager: 1-719-482-0588
 Final Data Deliverable Email Address: csresults@walshenv.com
mperry@walshenv.com

Project Number and/or P.O. #:

Project Description/Location: PAUL WELSH GYM WSC

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm; Saturday: 8am - 5pm

PCM/PLM/TEM 24 hr X 3-5 day (Rush PCM/PLM = 2hr, TEM - 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) 24 hr X 3-5 Day

RCRA 8 Metals Scan 5 day 10 day
 TCLP/ Welding Fume Scan 24 hr 3-5 Day
 Dust 24 hr 3 day 5 Day

Organics 24 hr 3 day 5 Day
 Prior notification is required for RUSH turnarounds.
 Analysis turnarounds are subject to laboratory sample volume and are not guaranteed. You will be notified if delays are expected. Additional fees apply for afterhours and holidays for all analysis types.

Special Instructions:

Client sample ID number (Sample ID's must be unique)

Client sample ID number	Sample ID's must be unique	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 - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Sample Volume (L) / Area	Matrix Code	Date Collected mm/dd/yy	Time Collected h:mm a/p	EM Number (Laboratory Use Only)
1	PWG - A S O 1 - 0 1													135500
2	1 - C B M 0 1 - 0 1													135501
3	2 - C B M 0 2 - 0 1													135502
4	3 - C B M 0 3 - 0 1													135503
5	4 - C B M 0 4 - 0 1													135504
6	5 - C B M 0 5 - 0 1													135505
7	6 - C B M 0 6 - 0 1													135506
8	7 - C B M 0 7 - 0 1													135507
9	8 - C B M 0 8 - 0 1													135508
10	9 - C B M 0 9 - 0 1													135509
11	10 - C B M 0 10 - 0 1													135510
12	11 - C B M 0 11 - 0 1													135511
13	12 - C B M 0 12 - 0 1													135512

(Additional samples shall be listed on attached long form.)

Number of samples received: 70

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.

Relinquished By: <u>[Signature]</u>		Date/Time: <u>6/3/01 1800</u>		Sample Condition: On Ice <u>Y/N</u> Sealed <u>Y/N</u> Intact <u>Y/N</u>	
Laboratory Use Only		Carrier: <u>Drop Box</u>		Temp (°C) <u>20</u>	
Received By: <u>[Signature]</u>	Page Phone Email Fax	Date	Time	Date	Time
Results: <u>[Signature]</u>	Page Phone Email Fax	Date	Time	Date	Time

Reservoir Environmental, Inc.

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RES Job # 23745

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SAMPLES SUBMITTED BY:

WALSH

REQUESTED ANALYSIS		VALID MATRIX CODES				LAB NOTES:	
OTHER -		Air = A	Bulk = B				
ORGANICS - BTEX, MTBE, GRO, DRO		Dust = D	Paint = P				
METALS - Analyte(s)		Soil = S	Wipe = W				
RCRA 8, TCLP, Welding Fume, Metals Scan		Drinking Water = DW					
DUST - Total, Respirable		Waste Water = WW					
PCM - 7400A, 7400B, OSHA		Other = O					
Semi-quant, Micro-vac, ISO-Indirect Preps							
TEM - AHERA, Level II, 7402, ISO, +/- Quant							
PLM - Short report, Long report, Point Count							
Sample Volume (L) / Area		Date Collected mm/dd/yy		Time Collected h:mm alp		EM Number (Laboratory Use Only)	
B						135521	
						22	
						23	
						24	
						25	
						26	
						27	
						28	
						29	
						30	
						31	
						32	
						33	
						34	
						35	
						36	
						37	
						38	
						39	
						40	

Client sample ID number (Sample ID's must be unique)

Client sample is names.	14	P	W	G	-	C	T	O	1	-	0	1	
	15				-	C	T	O	2	-	0	1	
	16				-	C	T	O	3	-	0	1	
	17				-	C	T	A	0	1	-	0	1
	18				-	C	T	A	0	2	-	0	1
	19				-	D	E	B	0	1	-	0	1
	20				-	D	E	B	0	2	-	0	1
	21				-	E	S	O	1	-	0	1	
	22				-	E	S	O	1	-	0	1	
	23								0	2			
	24								0	3			
	25								0	4			
	26								0	5			
	27				-	E	S	O	2	-	0	1	
	28								0	2			
	29								0	3			
	30								0	4			
	31								0	5			
	32				-	F	P	O	1	-	0	1	
	33				-	R	S	O	1	-	0	1	
	34				-	R	T	O	1	-	0	1	
	35				-	R	W	O	1	-	0	1	
	36								0	2			
	37								0	3			
	38				-	T	S	O	1	-	0	1	
	39								0	2			
	40								0	3			

Reservoir Environmental, Inc.

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ES Job # 237145

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SAMPLES SUBMITTED BY:

WALSH

LAB NOTES:

VALID MATRIX CODES

REQUESTED ANALYSIS

EM Number
(Laboratory Use Only)

1355

Sample Volume
(L) / Area

Matrix Code

Containers

Date Collected
mm/dd/yy

Time Collected
hh:mm:ap

Air = A

Dust = D

Soil = S

Bulk = B

Paint = P

Wipe = W

Drinking Water = DW

Waste Water = WW

Other = O

OTHER -

ORGANICS - BTEX, MTBE, 8260, GRO, DRO

METALS - Analyte(s)

DUST - Total, Respirable

PCM - 7400A, 7400B, OSHA

SEM - quant, Micro-vac, ISO-Indirect Preps

TEM - AHERA, Level II, 7402, ISO, +/-, Quant

PLM - ~~Short report~~ Long report, Point Count

Client sample ID number

(Sample ID's must be unique)

Page 3 of 4

LAB NOTES:

EM Number
(Laboratory Use Only)

1355

Sample Volume
(L) / Area

Matrix Code

Containers

Date Collected
mm/dd/yy

Time Collected
hh:mm:ap

Air = A

Dust = D

Soil = S

Bulk = B

Paint = P

Wipe = W

Drinking Water = DW

Waste Water = WW

Other = O

OTHER -

ORGANICS - BTEX, MTBE, 8260, GRO, DRO

METALS - Analyte(s)

DUST - Total, Respirable

PCM - 7400A, 7400B, OSHA

SEM - quant, Micro-vac, ISO-Indirect Preps

TEM - AHERA, Level II, 7402, ISO, +/-, Quant

PLM - ~~Short report~~ Long report, Point Count

Client sample ID number

(Sample ID's must be unique)

Reservoir Environmental, Inc.

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(303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

RES Job # 237145

Page 4 of 4

SAMPLES SUBMITTED BY:

WALSH

REQUESTED ANALYSIS		VALID MATRIX CODES		LAB NOTES:	
PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	Air = A	Bulk = B		
PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	Dust = D	Paint = P		
METALS - Analyte(s)	RCRA 8, TCLP, Welding Fume, Metals Scan	Soil = S	Wipe = W		
ORGANICS - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Drinking Water = DW	Waste Water = WW		
		Other = O			
		ASTM E1792 approved wipe media only			
Sample Volume	Matrix Code	Date Collected	Time Collected	EM Number	
(L) / Area	# Containers	mm/dd/yy	hh:mm a/p	(Laboratory Use Only)	
8				1355	
				75	
				72	
				77	
				78	
				79	
				80	
				81	
				82	
				83	
				84	
				85	
				86	
				87	

Client sample ID number (Sample ID's must be unique)

68 PWG - P L O 1 - 0 5
69 - P P S O 1 - 0 1
70 - P S O 1 - 0 2
71 - P S O 1 - 0 3
72 - P S O 1 - 0 1
73 - P S O 1 - 0 2
74 - P S O 1 - 0 3
75 - P L O 2 - 0 1
76 - P L O 2 - 0 2
77 - P L O 2 - 0 3
78 - P L O 2 - 0 4
79 - P L O 2 - 0 5

AA

ATTACHMENT 3

QUOTE DOCUMENTS

PROJECT INFORMATION AND QUOTE FORMS

PROJECT:	Asbestos Abatement in Wright Gymnasium Pool Locker Room Area Notice Number – WSC-2011-FH-17 Western State Colorado University Gunnison, Colorado 81231
BUILDING OWNER:	State of Colorado-Western State Colorado University 600 North Adams Street Gunnison, Colorado 81231 Phone 970-943-2018
QUOTES DUE:	4:00 p.m. Wednesday, January 30, 2013 (fax and email is acceptable) Fax: (970) 943-2280 Email: dpennartz@western.edu
NOTIFICATION OF PROJECT AWARD:	Friday, February 1, 2013 A Purchase Order (PO) will be issued to successful contractor.
PROJECT START DATE:	Phase 1 - February 14, 2013 Phase 2 - May 1, 2013
PROJECT COMPLETION DATE:	Phase 1 - March 3, 2013 Phase 2 - May 4, 2013
ADDRESS QUOTES TO:	Desolee Pannartz Western State Colorado University 600 North Adams Street Gunnison, Colorado 81231 Phone (970) 943-2018 Fax (970) 943-2280 Email: dpennartz@western.edu (Include both quote Form and quote Appendix A)



ASBESTOS ABATEMENT QUOTE FORM

PROJECT: Asbestos Abatement in Wright Gymnasium Locker Room Area:

**Western State Colorado University
Wright Gymnasium Locker Rooms
Notice No. WSC-12011-FH-17
Gunnison, Colorado 81231**

The project consists of asbestos abatement (removal) and proper disposal of friable asbestos-containing materials as required by Federal and State regulations.

Referencing the Work Plan and attached information for this project, we hereby submit our quote in the amount stated in the blank of this quote form. Also the undersigned, having become thoroughly familiar with the terms and conditions of the contract documents and with local conditions affecting performance and cost of the work at the place where the work is to be performed, and having fully inspected the site in all particulars, hereby proposes and agrees to fully perform the work within the specified time stated and in strict accordance with the Contract Documents for the following sum of money:

Lump Sum for removal and disposal of all materials specified within the scope of work as specified.

Base Quote:

_____ **Dollars(\$ _____)**

Please complete by writing words and numbers. Example:

Ten thousand dollars and 00/100 _____ Dollars(\$ 10,000.00 _____)

Quote includes all labor, materials, services, equipment, insurance, security, etc, necessary for the completion of the work.

By submitting a quote, contractor agrees to complete the project between February 14, 2013 and March 3, 2013 for Phase 1 and between May 1, 2013 and May 4, 2013 for Phase 2.

The right is reserved to waive informalities and to reject any and all quotes.



Quote Appendix A

ADD ALTERNATE 1

Lump Sum for removal and disposal of all materials specified within the scope of work as Add Alternate No. 1 (Abatement of contaminated soil and pipe fittings under the lower gym crawlspace) as specified.

Add Alternate Quote:

Dollars(\$ _____)

ADD ALTERNATE 2

Lump Sum for removal and disposal of all materials specified within the scope of work as Add Alternate No. 2 (OSHA demolition of plaster walls containing trace amounts of asbestos) as specified.

Add Alternate Quote:

Dollars(\$ _____)

Unit Rates

Include costs for unit rates as indicated below. Assume you will already be onsite for determining your rates. If a mobilization is required to accomplish work using unit rates, the cost for mobilization will be added to the appropriate rate. Mobilization to the site includes demobilization from the site.

- 1) Cost to remove and dispose of asbestos-containing pipe fittings by glovebag method under secondary containment (per fitting):

(\$ _____ per fitting.)

- 2) Cost for additional mobilization and demobilization other than those already intended:

(\$ _____ per mobilization)

- 3) Cost to remove and dispose of asbestos-containing floor tile and mastic (per square foot):



(\$ _____ per square foot.)

- 4) Cost to remove and dispose of asbestos-containing floor tile mastic only (per square foot):

(\$ _____ per square foot.)

- 5) Cost to remove and dispose of asbestos-containing acoustical ceiling texture (popcorn) under full containment (per square foot):

(\$ _____ per square foot.)



Quote Appendix A cont.

Schedule and labor

1. Number of working days for base quote: _____
2. Number of workers/day for base quote: _____

Will work be performed on weekends? (circle one) Yes No

Project Approach

1. Please include a brief project approach describing the basic means and methods planned for completion of the project (ie – number of containments, type of containments, removal methods).

FIRM NAME AND ADDRESS:

SIGNED BY: _____ TITLE: _____

SIGNATURE: _____ DATE: _____

I UNDERSTAND THE OWNER RESERVES THE RIGHT TO REJECT THIS QUOTE BASED ON SCHEDULE, NUMBER OF WORKERS, OR ANY IRREGULARITIES DEEMED BY OWNER TO BE SUFFICIENT CAUSE FOR REJECTION, AND THAT THIS QUOTE MAY NOT BE WITHDRAWN FOR A PERIOD OF THIRTY (30) DAYS AFTER THE QUOTE OPENING DATE. I UNDERSTAND THAT IF AWARDED THE PROJECT, I WILL ENTER INTO AND EXECUTE A CONTRACT ON THE BASIS OF THIS QUOTE. ALL WORK WILL BE ACCOMPLISHED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND WITHIN SPECIFIED CALENDAR DAYS AFTER GIVEN NOTICE TO PROCEED.