

**ASBESTOS RENOVATION SURVEY**

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**VA CANTEEN RELOCATION PROJECT  
VA SIERRA NV HEALTH CARE SYSTEM  
BUILDING 1 – GROUND FLOOR  
1000 LOCUST STREET  
RENO, NEVADA**

Prepared for:

Van Woert Bigotti Architects  
1400 South Virginia Street, Suite C  
Reno, Nevada 89502

Converse Project No. 11-23705-01

August 15, 2011



# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

August 15, 2011

11-23705-01

Van Woert Bigotti Architects  
1400 South Virginia Street, Suite C  
Reno, Nevada 89502

Attention: Mr. John Tappan

Subject: Asbestos Renovation Survey  
Ioannis A. Lougaris VA Medical Center  
VA – Canteen Relocation  
1000 Locust Street – Building 1  
Reno, Nevada

Dear Mr. Tappan:

Converse Consultants (Converse) is pleased to submit the results of the asbestos renovation survey conducted at the above-referenced Property. Based on our understanding of the project, our scope of services consisted of a visual inspection, bulk sample collection of suspect asbestos-containing building materials (ACBMs), laboratory analysis, and the generation of this report. The purpose of this asbestos renovation survey was to identify accessible friable and non-friable ACBMs that may require abatement prior to the planned renovation of the structure. The construction scope of work, as described by the client is to consist of, but not be limited to, the removal of interior walls, ceilings and flooring materials for the purpose of relocating the VA Canteen. The survey was performed in general accordance with our proposal dated June 11, 2011 and your written authorization to proceed on July 20, 2011.

The suspect ACBMs identified and sampled during the course of our investigation consisted of:

- Base Cove Mastic (various types)

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Reno, Nevada 89502  
Telephone (775) 856-3833 ♦ Fax (775) 856-3513

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North Highlands, California 95660  
Telephone (916) 331-5444 ♦ Fax (916) 331-6444

- Joint Taping Compound
- Drywall
- Skim Coat
- Plaster
- Carpet Mastic (various types)
- 12" x 12" Floor Tile (various types)
- Green 9" x 9" Floor Tile
- Black Floor Tile Mastic
- Gold Floor Tile Mastic
- 2' x 4' Acoustical Ceiling Tile
- Exterior Stucco

On the basis of the laboratory analysis and our survey four ACMs were detected/identified to be present in regards to the structure. These materials consisted of the following:

- Pipe Run and Fitting Insulation (TSI)
- Green 9" x 9" Floor Tile
- Tan Floor Tile
- Black Floor Tile Mastic

It is the opinion of Converse, based on our understanding of the NESHAP regulation, that the ACMs identified will require abatement by a certified Nevada licensed asbestos abatement contractor, prior to the renovation process, if they are to be disturbed, in order to comply with Federal, State and County regulations. It may also be necessary to perform third party air quality sampling prior to, during and following the removal activities to comply with Nevada OSHES and Washoe County District Health Department – Air Quality Management Division (WCDHD-AQMD) regulations.

Information regarding the materials collected/analyzed is provided in the following report.

Van Woert Bigotti Architects  
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Thank you for the opportunity to be of service. Please do not hesitate to call our office should you have any questions or comments regarding this report, or if you require further assistance.

Respectfully submitted,

CONVERSE CONSULTANTS



John W. Petersen  
Sr. Project Manager

Enclosure

# ASBESTOS RENOVATION SURVEY

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**SURVEY**

On August 1<sup>st</sup> and 2<sup>nd</sup>, 2011 Converse Consultants (Converse) conducted a visual and sampling survey of the future VA Canteen Relocation Area on the Ground Floor of Building 1 at the VA Sierra NV Health Care System located at 1000 Locust Street in Reno, Nevada to check for the presence of asbestos-containing building materials (ACBMs). The purpose of this asbestos renovation survey was to identify accessible friable and non-friable ACBMs that may require abatement prior to the planned renovation of the structure. The construction scope of work, as described by the client is to consist of, but not be limited to, the removal of interior walls, ceilings and flooring materials for the purpose of relocating the VA Canteen. The survey was performed in general accordance with our proposal dated June 11, 2011 and your written authorization to proceed on July 20, 2011.

This evaluation consisted of the inspection and sampling of suspect ACBMs which may require remediation in regard to the project. The interior wall finishes consisted of skimcoat/plaster and/or taped/un-textured drywall. The ceiling finishes consisted of skimcoat/plaster, t-bar grid ceiling, 1'x 1' glued ceiling tile and/or taped/un-textured drywall. The floor finishes consisted of glued carpet, 9" x 9" floor tile/mastic, various 12" x 12" floor tile/mastic, sheet floor covering, ceramic tile and/or bare concrete. In regard to the plumbing pipe runs and fittings fiberglass and/or thermal system insulation (TSI) was identified.

According to the EPA's definition, friable asbestos is considered hazardous and refers to materials which can be crushed, pulverized, or reduced to powder by hand pressure when dry. Non-friable asbestos can be rendered friable by such actions as sanding, sawing, drilling, or breaking into pieces. This asbestos renovation survey generally followed current "National Emission Standards for Hazardous Air Pollutants (NESHAPS)" building inspection guidelines.

**METHODOLOGY**

Our visual survey was performed to classify each suspected building material by location and condition in order to establish homogeneous areas for bulk sample collection. Homogeneous areas refer to areas in which similar application, age, and appearance of building materials exist.

Following the visual portion of the survey, a total of twenty-four (24) bulk samples were collected from areas representing the homogeneous use of suspect building materials. A summary of these samples is presented on the Survey Data Sheet in Appendix A.

In general, bulk samples were obtained by (1) adequately wetting the sample area with a water and surfactant mixture, and (2) placing bulk pieces of the building materials into

labeled plastic bags. Where possible, bulk samples were obtained to the depth of the affected area. Bulk samples were transferred to an analytical laboratory with continuous chain-of-custody documentation.

## **ASBESTOS BULK SAMPLE LABORATORY TESTING**

The 24 bulk samples collected from the Property of suspect homogeneous materials were submitted to the Converse asbestos lab located in Reno, Nevada for analysis by Polarized Light Microscopy (PLM). The Converse asbestos lab is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), under the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis. For quality assurance purposes ten percent (10%) of all samples received are subjected to duplicate, replicate or round-robin reanalysis. Per regulations, all layers of a sample must be analyzed as a separate material. Laboratory analytical reports for these samples are presented in Appendix B.

## **REGULATORY OVERVIEW FOR ASBESTOS**

Current State and Federal standards define an asbestos-containing material as “any material containing asbestos in excess of one percent by weight.” It is noted that Federal OSHA regulates worker exposure to airborne asbestos fibers with Permissible Exposure Limits (PELs), and requires specific work practices and procedures, per 29 CFR 1926.1101, when disturbing materials containing asbestos; State of Nevada protects building occupants from airborne asbestos exposure; and Washoe County District Health Department - Air Quality Management District (WCDHD-AQMD) does not allow any airborne asbestos fiber generation.

There are a variety of regulations that relate to ACMs. These regulations govern various activities such as inspection, assessment and abatement. The following is a description of each regulation and their impact on ACMs.

- Asbestos Hazard Emergency Response Act (AHERA)

AHERA (40 CFR Part 763) as implemented by the EPA primarily pertains to the assessment and management of ACMs in K-12 non-profit schools. However, many of the procedures, training requirements, and certifications defined by AHERA have become the industry standard for all other facilities. For this survey, AHERA protocols were utilized as a guideline in the identification, assessment and sampling of suspect asbestos-containing building materials identified in regards to the structures evaluated.

- National Emission Standards for Hazardous Air Pollutants (NESHAP)

NESHAP (40 CFR Part 61) is an asbestos standard that protects the general public from asbestos exposure caused by renovation and/or demolition activities.

NESHAP requires surveying for suspect asbestos-containing building materials, notifying of intent to renovate or demolish, removal of regulated ACM (RACM) prior to renovation and/or demolition and proper handling of asbestos-containing wastes. A RACM is defined as the following:

- Any Friable ACM which is considered hazardous and refers to materials which can be crushed, pulverized, or reduced to powder by hand pressure.
- Category 1 Non-Friable ACMs such as floor tiles and asphalt roofing products which may become friable or will be subjected to sanding, grinding, cutting and/or abrading during demolition activities.
- Category II Non-Friable ACM such as transite pipe and/or siding that has a high probability of becoming friable during demolition activities.

NESHAP requires that demolition activities be conducted with no visible emissions using wet methods.

- **Asbestos Standard for the Construction Industry**

The Asbestos Standard for the Construction Industry (Federal OSHA – 29 CFR 1926.1101 regulates asbestos exposure in the workplace. This includes asbestos abatement workers, contractors and workers whose work environment contains asbestos-containing building materials.

In regard to abatement workers and Contractors the standard regulates how workers and the public are to be protected during removal; medical surveillance requirements for workers; detailed requirements to be followed during removal; and training requirements.

Federal OSHA regulates worker exposure to airborne asbestos fibers with PELs, and requires specific work practices and procedures, per 29 CFR 1926.1101 when disturbing materials containing asbestos. When the asbestos content is in excess of one percent, State and Federal OSHA regulations cover worker exposure to airborne asbestos fibers with Permissible Exposure Limits (PELs), and require specific work practices and procedures per 29 CFR 1926.1101 when ACM will be disturbed.

## **ASBESTOS SURVEY FINDINGS**

Based on laboratory results and our survey, the following materials were found to contain in excess of one percent (>1%) asbestos by weight:

**ASBESTOS CONTAINING MATERIAL**

| <b>MATERIAL TYPE</b>      | <b>PERCENTAGE ASBESTOS AND FRIABILITY</b>                                | <b>MATERIAL LOCATION</b>   | <b>APPROXIMATE AREA (Square Feet)</b> |
|---------------------------|--|--|---------------------------------------|
| Pipe Run Insulation (TSI) | 20-55% Chrysotile<br>1% Amosite<br><1% Crocidotile<br>Category I<br>RACM | Appeared to be typical to various areas of pipe run insulation (TSI) located above ceilings and in wall cavities.<br><br>It must be noted that this material was not tested due to previous positive testing. Also additional TSI may be present in wall cavities and pipe chases which were not accessible. | ≈ 600 l.f.                            |
| Green 9" x 9" Floor Tile  | 1-3% Chrysotile<br>Category I<br>Non-Friable                             | Appeared to be typical to the flooring located in the entry to the area designated as 23 on the attached sample location diagram.  | ≈ 40 s.f.                             |
| Tan 12" x 12" Floor Tile  | 1-3% Chrysotile<br>Category I<br>Non-Friable                             | Appeared to be typical to the flooring located in the areas designated as 22, 24, 24A, 42, C8 and C9 on the attached sample location diagram.  | ≈ 730 s.f.                            |
| Black Floor Tile Mastic   | 5-20% Chrysotile<br>Category II<br>Non-Friable                           | Appeared to be typical to the flooring located in the areas designated as 22, 23, 24, 24A, 42, C8 and C9 on the attached sample location diagram.  | ≈ 770 s.f.                            |

Note: EPA material classifications include: 1) Friable (F); 2) Non-friable (N); and 3) Non-Friable-potentially friable (N-PF) indicating materials which are currently non-friable will be made friable by standard renovation or demolition techniques.

Additional information regarding each material location and condition is found in the Survey Data Sheets in Appendix A.

**CONCLUSIONS AND RECOMMENDATIONS**

On the basis of the laboratory analysis and our survey six ACMs were detected/identified to be present within the structure. These materials consisted of the following:

- Approximately 600 linear feet (l.f.) of Pipe Run Insulation (TSI) and fittings which appeared to be typical to various areas of pipe run insulation (TSI) located above ceilings and in wall cavities.

It must be noted that this evaluation was non-destructive, due to occupancy of the structure, and that additional TSI may be present in wall cavities and pipe chases which were not accessible.

- Approximately 40 square feet (s.f.) of Green 9" x 9" Floor Tile which appeared to be typical to the flooring located in the area designated as 23 on the attached sample location diagram.
- Approximately 730 s.f. of Tan 12" x 12" Floor Tile which appeared to be typical to the flooring located in the areas designated as 22, 24, 24A, 42, C8 and C9 on the attached sample location diagram.
- Approximately 770 s.f. of Black Floor Tile Mastic which appeared to be typical to the areas designated 22, 23, 24, 24A, 42, C8 and C9 on the attached sample location diagram.

It is the opinion of Converse, based on our understanding of the NESHAP regulation, that the ACMs identified will require abatement by a certified Nevada licensed asbestos abatement contractor, prior to the renovation process, if they are to be disturbed, in order to comply with Federal, State and County regulations. It may also be necessary to perform third party air quality sampling prior to, during and following the removal activities to comply with Nevada OSHES, and WCDHD-AQMD regulations.

Regarding the removal of ACMs found at the subject site, the following steps are suggested to maintain regulatory compliance and minimize liability:

1. A qualified asbestos abatement contractor and workers licensed in the State of Nevada should perform any actions involving the removal of ACMs. Removal activities should conform to State, and Federal, and local laws, ordinances and regulations.
2. A qualified asbestos consultant licensed in the State of Nevada should be retained to assist in the abatement project and to perform air quality sampling during and after the removal activities.
3. Notification of the governing agencies (i.e. Nevada OSHES and WCDHD-AQMD) regulating the abatement of asbestos may be necessary and contact is advised to review the project scope of work prior to commencing any response action.

## **CLOSURE**

This report is for the use of Van Woert Bigotti Architects as it applies to the Property listed above. Converse is not responsible for any claims or damages associated with interpretation of available information. This assessment should not be regarded as a guarantee that no further asbestos, beyond that which was suspected to be present (and sampled) during our investigation, is present at the Property. In addition, asbestos is usually not distributed uniformly throughout a material and Converse cannot guarantee that all areas sampled are exactly as represented throughout the entire

facility. Other suspect materials may be uncovered that were previously hidden during renovation or demolition. Additional samples of these materials should be collected and analyzed for asbestos if this occurs. It must also be noted that prior to any renovation process further sampling may be required by regulatory agencies. In the event that changes in the nature of the Property occur, or additional relevant information about the Property is brought to our attention, the recommendations contained in this assessment may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this assessment are modified or verified in writing.

Thank you for the opportunity to be of service. Should you have any questions or comments regarding this report, or if you require further assistance, please do not hesitate to call our office.

Respectfully submitted,

CONVERSE CONSULTANTS



Frank M. Reynolds III, Inspector  
Nevada License No.: IJM-1248

JWP: FMR: jwp

Enclosure: Appendices A, B, C and D

Distribution: 3/Addressee

Reviewed and Approved by:



John W. Petersen  
Sr. Project Manager  
Nevada License No.: IJPM-0575

**APPENDIX A**  
**Survey Data Sheets**

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# Converse Consultants

4840 Mill Street, Suite 5, Reno, Nevada 89502

# SURVEY DATA

VAN WIGERT BIGOTTI

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(775) 856-3833 FAX (775) 856-3513

|  |  |  |  |  |  |                                |  |
|--|--|--|--|--|--|--------------------------------|--|
| Inspectors: <b>FRANK M. REYNOLDS III</b> |  | Project Name: <b>VA CANTINE RELOCATION</b>         |  | Project Number: <b>11-23705-01</b>             |  | Date Sampled: <b>8/11/11</b>   |  |
| Contact: <b>JOHN W. REITERSEN</b>        |  | Project Location: <b>BUILDING 1 - GROUND FLOOR</b> |  | Analysis Type: <b>Asbestos</b> (Please Circle) |  | Instructions:                  |  |
| Phone #: (775) 856-3833                  |  | Client/Contact: <b>MR JOHN TAPPAN</b>              |  | Air  |  | Bulk                           |  |
| Turn-A-Round Time: (Circle) <b>RUSH</b>  |  | 24 Hours   |  | Requested: <b>Verbal</b>                       |  | Test to First Positive: Yes No |  |

| LAB #  | SAMPLE # | MATERIAL DESCRIPTION                      | SAMPLE LOCATION     | LOCATIONS OF MATERIAL               | QNTY  | COND | FRIABLE YES/NO | COMMENTS (DEBRIS, EXTENT OF DAMAGE) | ASBESTOS %                                       |
|--------|----------|---|---------------------|-------------------------------------|-------|------|----------------|-------------------------------------|--|
| 191993 | W-01     | PLASTER                                   | WEST WALL AREA 40   | TYPICAL TO PASTER WALLS & CEILINGS  | N/A   | D    | N              |                                     | N/A  |
| 191994 | W-02     | PLASTER                                   | EAST WALL AREA 24   |                                     | N/A   | D    | N              |                                     |  |
| 191995 | C-03     | PLASTER                                   | CEILING AREA 48     |                                     | N/A   | D    | N              |                                     |  |
| 191996 | W-04     | JC/DW                                     | NORTH WALL AREA 40  | TYPICAL TO DRYWALL WALLS & CEILINGS | N/A   | G    | N              |                                     |  |
| 191997 | W-05     | TAN COM/JC/DW                             | NORTH WALL AREA 40A |                                     | N/A   | G    | N              |                                     |  |
| 191998 | W-06     | JC/DW                                     | SOUTH WALL AREA 44  |                                     | N/A   | G    | N              |                                     |  |
| 191999 | W-07     | TAN COM/JC/DW                             | SOUTH WALL AREA 45  |                                     | N/A   | G    | N              |                                     |  |
| 192000 | F-08     | TAN w/BROWN 12x12 FLOOR TILE/GOLD MASTIC  | EAST SIDE AREA 43   | AREAS <del>43</del> 43              | FO    | G    | N              |                                     | N.D.   |
| 192001 | F-09     | TAN w/BROWN 12x12 FLOOR TILE/BLACK MASTIC | EAST SIDE AREA 42   | AREAS 22, 42, C8, C9                | 4305F | G    | N              |                                     | 10-20% Chrysotile Asbestos B. Mastic             |
| 192002 | F-10     | TILE/BLACK MASTIC                         | WEST SIDE AREA 22   |                                     |       | G    | N              |                                     | > 1-3% Chrysotile Mastic 5-15% Chrysotile Mastic |

| MATERIAL   | CONDITION  | UNITS   | ASBESTOS %   |
|--|--|---|--|
| PFI - Pipe Fitting Insulation<br>PRI - Pipe Run Insulation<br>DI - Duct Insulation<br>TI - Tank Insulation<br>EJ - Expansion Joint<br>BI - Boiler Insulation<br>VT - Vinyl Tile<br>M - Mastic<br>CBM - Cove Base Mastic<br>AT - Acoustic Tile<br>SA - Spray Acoustic<br>W - Wall<br>P - Plaster<br>GA - Gasket<br>D - Debris<br>TSI - Thermal System Insulation<br>R - Roof<br>DW - Drywall<br>JC - Joint Compound | G - Good (No Maintenance is required currently)<br>D - Damaged (Some repair needed)<br>SD - Significantly Damaged (Repair or replace ASAP) | LF - Linear Feet<br>SF - Square Feet<br>CF - Cubic Feet | A - Amosite Asbestos<br>C - Chrysotile Asbestos<br>NDA - No Asbestos Detected<br>Assumed<br>ACM - No Samples Taken |

|                    |                        |
|--------------------|------------------------|
| Relinquished By:   | Relinquished By: _____ |
| Date/Time: _____   | Date/Time: _____       |
| Received By: _____ | Received By: _____     |

**Converse Consultants**

4840 Mill Street, Suite 5, Reno, Nevada 89502

**SURVEY DATA**

VANWOERT BIGOTTI

Page 2 of 3  
(775) 856-3833 FAX (775) 856-3513

Inspectors: FRANK M. REYNOLDS III Project Name: VA CANTEN RELOCATION Project Number: 14-23705-C1 Date Sampled: 8/11/11 8/2/11  
 Contact: JOHN W. PETERSEN Project Location: BUILDING 1 - GROUND FLOOR Analysis Type: Asbestos Bulk Bulk Instructions:  
 Phone #: (775) 856-3833 Client/Contact: MR JOHN TAPPAN (Please Circle) Air Air Other  
 Turn-A-Round Time: (Circle) RUSH 24 Hours 2 Days Requested: Verbals Test to First Positive: Yes No

| LAB #  | SAMPLE # | MATERIAL DESCRIPTION                                    | SAMPLE LOCATION      | LOCATIONS OF MATERIAL  | QNTY     | COND | FRIABLE YES/NO | COMMENTS (DEBRIS, EXTENT OF DAMAGE) | ASBESTOS %                                 |
|--------|----------|---|----------------------|--|----------|------|----------------|-------------------------------------|--|
| 192003 | F-11     | GOLD CARPET MASTIC                                      | EAST SIDE AREA 21A   | AREAS 24 AND 24A   | ~ 300 SF | G    | N              |                                     | 5-15% Chy<br>Black Mastic                  |
| 192004 | F-12     | FLOOR TILE/BLASIC MASTIC                                | EAST SIDE AREA 23    | AREA 23  | ~ 40 SF  | G    | N              |                                     | >1-3% Chy - tile<br>10-20% Chy - R. Mastic |
| 192005 | F-13     | 9x9 CRGGN FLOOR TILE/BLASIC MASTIC                      | EAST SIDE AREA 44    | AREAS 44 & 144A  | ~ 280 SF | G    | N              |                                     | ND   |
| 192006 | F-14     | GOLD CARPET MASTIC/WHITE w/ GRAY FLOOR TILE/COLD MASTIC | EAST SIDE AREA 45    | AREA 45  | ~ 115 SF | G    | N              |                                     |  |
| 192007 | CM-15    | TILE/GOLD MASTIC/FILLER                                 | EAST SIDE AREA 40A   | AREA 40A   | ~ 180 SF | G    | N              |                                     |  |
| 192008 | CT-16    | GOLD & AGD CARPET MASTIC                                | AREA 44              | AREAS 40A, 41, 42, 43<br>43B, 44, 144A, 45, 22, 23,<br>24, 24A | N/A      | G    | Y              |                                     |  |
| 192009 | CT-17    | 2x4 CEILING TILE  | AREA 45              |  | N/A      | G    | Y              |                                     |  |
| 192010 | CT-18    | 2x4 CGILING TILE  | AREA 41              |  | N/A      | G    | Y              |                                     |  |
| 192011 | WP-19    | WINDOW PUTTY  | AREA 40 NORTH WINDOW | ORIGINAL WINDOWS   | N/A      | D    | N              |                                     |  |
| 192012 | WP-20    | WINDOW PUTTY  | AREA 40 NORTH WINDOW |  | N/A      | D    | N              |                                     | N/A  |

| MATERIAL   | CONDITION  | UNITS   | ASBESTOS %   |
|--|--|---|--|
| PF1 - Pipe Fitting Insulation<br>PRI - Pipe Run Insulation<br>DI - Duct Insulation<br>TI - Tank Insulation<br>EJ - Expansion Joint<br>BI - Boiler Insulation<br>VT - Vinyl Tile<br>M - Mastic<br>CBM - Cove Base Mastic<br>AT - Acoustic Tile<br>SA - Spray Acoustic<br>W - Wall<br>P - Plaster<br>GA - Gasket<br>D - Debris<br>TSI - Thermal System Insulation<br>R - Roof<br>DW - Drywall<br>JC - Joint Compound | G - Good (No Maintenance is required currently)<br>D - Damaged (Some repair needed)<br>SD - Significantly Damaged (Repair or replace ASAP) | LF - Linear Feet<br>SF - Square Feet<br>CF - Cubic Feet | A - Amosite Asbestos<br>C - Chrysotile Asbestos<br>NDA - No Asbestos Detected<br>Assumed<br>ACM - No Samples Taken |

Relinquished By: [Signature] Date/Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: [Signature] Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**Converse Consultants**

4840 Mill Street, Suite 5, Reno, Nevada 89502

**SURVEY DATA**

VANWOGERT BIGOTTI

|  |  |   |  |   |  |  |  |
|--|--|---|--|---|--|--|--|
| Inspectors: <u>FRANK M. REYNOLDS III</u> |  | Project Name: <u>VA CANTEEN RELOCATION</u>                              |  | Project Number: <u>11-23705-01</u>  |  | Date Sampled: <u>8/11 &amp; 8/2/11</u> |  |
| Contact: <u>JOHN W. PETERSEN</u>         |  | Project Location: <u>BUILDING 1 - G. ROWOOD FLOOR</u>                   |  | Analysis Type: <input checked="" type="radio"/> Asbestos<br><input type="radio"/> Lead<br><input type="radio"/> Other |  | Instructions:                          |  |
| Phone #: (775) 856-3833                  |  | Client/Contact: <u>MR JOHN TAPPAN</u>                                   |  | Requested: <input checked="" type="radio"/> Verbal<br><input type="radio"/> Written                                   |  | Test to First Positive: Yes No         |  |
| Turn-A-Round Time: (Circle) <u>RUSH</u>  |  | 24 Hours <input checked="" type="radio"/> 48 Days <input type="radio"/> |  | Fax   |  |  |  |

| LAB #         | SAMPLE #        | MATERIAL DESCRIPTION | SAMPLE LOCATION                        | LOCATIONS OF MATERIAL              | QNTY       | COND     | FRIABLE YES/NO | COMMENTS (DEBRIS, EXTENT OF DAMAGE) | ASBESTOS %  |
|---------------|-----------------|----------------------|--|------------------------------------|------------|----------|----------------|-------------------------------------|-------------|
| <u>192013</u> | <u>WJF-21</u>   | <u>WINDOW PUTTY</u>  | <u>AREA 40A WINDOW</u>                 | <u>ORIGINAL WINDOW</u>             | <u>N/A</u> | <u>D</u> | <u>N</u>       |                                     | <u>N.D.</u> |
| <u>192014</u> | <u>EXT-N-22</u> | <u>STUCCO</u>        | <u>SOUTH END BELOW RAISED CORRIDOR</u> | <u>TYPICAL TO COURTYARD STUCCO</u> | <u>N/A</u> | <u>G</u> | <u>N</u>       |                                     |             |
| <u>192015</u> | <u>EXT-W-23</u> | <u>STUCCO</u>        | <u>CORNER BELOW RAISED CORRIDOR</u>    |                                    | <u>N/A</u> | <u>G</u> | <u>N</u>       |                                     |             |
| <u>192016</u> | <u>EXT-W-24</u> | <u>STUCCO</u>        | <u>NORTH END BELOW RAISED CORRIDOR</u> |                                    | <u>N/A</u> | <u>G</u> | <u>N</u>       |                                     | <u>N.D.</u> |
| 6             |                 |                      |  |                                    |            |          |                |                                     |             |
| 7             |                 |                      |  |                                    |            |          |                |                                     |             |
| 8             |                 |                      |  |                                    |            |          |                |                                     |             |
| 9             |                 |                      |  |                                    |            |          |                |                                     |             |
| 10            |                 |                      |  |                                    |            |          |                |                                     |             |

| MATERIAL  | CONDITION  | UNITS   | ASBESTOS %   |
|---|--|---|--|
| PF1 - Pipe Fitting Insulation<br>PRI - Pipe Run Insulation<br>DI - Duct Insulation<br>TI - Tank Insulation<br>EJ - Expansion Joint<br>BI - Boiler Insulation<br>VT - Vinyl Tile<br>M - Mastic<br>CBM - Cove Base Mastic<br>AT - Acoustic Tile<br>W - Wall<br>P - Plaster<br>GA - Gasket<br>D - Debris<br>TSI - Thermal System Insulation<br>R - Roof<br>DW - Drywall<br>JC - Joint Compound | G - Good (No Maintenance is required currently)<br>D - Damaged (Some repair needed)<br>SD - Significantly Damaged (Repair or replace ASAP) | LF - Linear Feet<br>SF - Square Feet<br>CF - Cubic Feet | A - Amosite Asbestos<br>C - Chrysotile Asbestos<br>NDA - No Asbestos Detected<br>Assumed<br>ACM - No Samples Taken |

|                        |                        |
|------------------------|------------------------|
| Relinquished By: _____ | Relinquished By: _____ |
| Date/Time: _____       | Date/Time: _____       |
| Received By: _____     | Received By: _____     |





# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

## POLARIZED LIGHT MICROSCOPY ANALYSIS REPORT

Client: CONVERSE CONSULTANTS  
4840 MILL STREET #5  
RENO, NEVADA 89502  
Contact: JOHN W. PETERSEN  
Account: N/A  
Project No.: 11-23705-01

Date Received: 08/02/11  
Date Analyzed: 08/03/11  
Date Reported: 08/03/11  
Reported To: JOHN W. PETERSEN  
Submitted By: HAND  
Report No.: 71-191993  
P.O. #: N/A

### VAN WOERT BIGOTTI VA CANTEEN RELOCATION BUILDING 1 - GROUND FLOOR

I certify that these results are accurate for the samples obtained and comply with accepted methods of analysis.

Lab Manager, Dan R. Dolk

Analyst, Dan R. Dolk

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|---|------------------------------------|
| 191993A<br>White Skim Coat<br>West Wall<br>Area 40      | W-01-A          | None Detected                 | <1% Cellulose<br><1% Talc<br>50% Binders<br>50% Mineral Cleavages             | I<br>F                             |
| 191993B<br>Grey Plaster<br>West Wall<br>Area 40         | W-01-B          | None Detected                 | <1% Cellulose<br>25% Binders<br>25% Gypsum<br>50% Mineral Cleavages           | I<br>F                             |
| 191994A<br>White Skim Coat<br>East Wall<br>Area 24      | W-02-A          | None Detected                 | <1% Cellulose<br><1% Synthetic Fibers<br>50% Binders<br>50% Mineral Cleavages | I<br>F                             |
| 191994B<br>Grey Plaster<br>East Wall<br>Area 24         | W-02-B          | None Detected                 | <1% Cellulose<br>30% Sulfate Binders<br>30% Gypsum<br>40% Mineral Cleavages   | I<br>F                             |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION   | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|---|------------------------------------|
| 191995A<br>Cream Skim Coat<br>Ceiling<br>Area 42          | C-03-A          | None Detected                 | <1% Talc<br>50% Binders<br>50% Mineral Cleavages                                    | I<br>F                             |
| 191995B<br>Grey Plaster<br>Ceiling<br>Area 42             | C-03-B          | None Detected                 | <1% Cellulose<br>30% Sulfate Binders<br>30% Gypsum<br>40% Mineral Cleavages         | I<br>F                             |
| 191996A<br>Cream Joint Compound<br>North Wall<br>Area 40  | W-04-A          | None Detected                 | <1% Cellulose<br>10% Glass Fibers<br>55% Carbonate Binders<br>35% Mineral Cleavages | I<br>F                             |
| 191996B<br>White Drywall<br>North Wall<br>Area 40         | W-04-B          | None Detected                 | 10% Cellulose<br><1% Glass Fibers<br>35% Gypsum<br>55% Mineral Cleavages            | I<br>F                             |
| 191997A<br>Tan Mastic<br>North Wall<br>Area 40A           | W-05-A          | None Detected                 | 25% Carbonate Binders<br>70% Organic Binders<br>5% Mineral Cleavages                | I<br>NF                            |
| 191997B<br>Cream Joint Compound<br>North Wall<br>Area 40A | W-05-B          | None Detected                 | 75% Carbonate Binders<br>25% Mineral Cleavages                                      | I<br>NF                            |
| 191997C<br>Cream Drywall<br>North Wall<br>Area 40A        | W-05-C          | None Detected                 | 10% Cellulose<br><1% Glass Fibers<br>30% Gypsum<br>60% Mineral Cleavages            | I<br>F                             |
| 191998A<br>Cream Joint Compound<br>South Wall<br>Area 44  | W-06-A          | None Detected                 | 5% Glass Fibers<br>85% Carbonate Binders<br>10% Mineral Cleavages                   | I<br>F                             |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION    | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|--|-----------------|-------------------------------|---|------------------------------------|
| 191998B<br>White Drywall<br>South Wall<br>Area 44          | W-06-B          | None Detected                 | 10% Cellulose<br><1% Glass Fibers<br>30% Gypsum<br>60% Mineral Cleavages              | I<br>F                             |
| 191999A<br>Tan Mastic<br>South Wall<br>Area 45             | W-07-A          | None Detected                 | 5% Carbonate Binders<br>90% Organic Binders<br>5% Mineral Cleavages                   | I<br>NF                            |
| 191999B<br>Cream Joint Compound<br>South Wall<br>Area 45   | W-07-B          | None Detected                 | 85% Carbonate Binders<br>10% Organic Binders<br>5% Mineral Cleavages<br><1% Perlite   | I<br>NF                            |
| 191999C<br>Cream Joint Compound<br>South Wall<br>Area 45   | W-07-C          | None Detected                 | 80% Carbonate Binders<br>10% Organic Binders<br>10% Mineral Cleavages                 | I<br>NF                            |
| 191999D<br>White Drywall<br>South Wall<br>Area 45          | W-07-D          | None Detected                 | 10% Cellulose<br><1% Glass Fibers<br>30% Gypsum<br>60% Mineral Cleavages              | I<br>F                             |
| 192000A<br>Tan/Cream Floor Tile<br>East Side<br>Area 43    | F-08-A          | None Detected                 | 60% Carbonate Binders<br>30% Organic Binders<br>10% Mineral Cleavages                 | I<br>NF                            |
| 192000B<br>Tan Clear Mastic<br>East Side<br>Area 43        | F-08-B          | None Detected                 | <1% Cellulose<br>10% Carbonate Binders<br>85% Organic Binders<br>5% Mineral Cleavages | I<br>F                             |
| 192000C<br>White Leveling Compound<br>East Side<br>Area 43 | F-08-C          | None Detected                 | <1% Cellulose<br>40% Binders<br>10% Gypsum<br>50% Mineral Cleavages                   | I<br>F                             |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION   | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|---|------------------------------------|
| 192001A<br>Tan Cream Floor Tile<br>East Side<br>Area 42   | F-09-A          | None Detected                 | 60% Carbonate Binders<br>35% Organic Binders<br>5% Mineral Cleavages                  | I<br>NF                            |
| 192001B<br>Black Mastic<br>East Side<br>Area 42           | F-09-B          | 10-20% Chrysotile             | 60% Organic Binders<br>20% Mineral Cleavages  | I<br>F                             |
| 192002A<br>Brown/Cream Floor Tile<br>West Side<br>Area 22 | F-10-A          | >1-3% Chrysotile              | 40% Carbonate Binders<br>30% Organic Binders<br>27% Mineral Cleavages                 | I<br>F                             |
| 192002B<br>Black Mastic<br>West Side<br>Area 22           | F-10-B          | 5-15% Chrysotile              | 5% Cellulose<br>65% Organic Binders<br>15% Mineral Cleavages                          | I<br>F                             |
| 192003A<br>Tan Carpet Mastic<br>East Side<br>Area 24A     | F-11-A          | None Detected                 | <1% Cellulose<br>5% Carbonate Binders<br>80% Organic Binders<br>15% Mineral Cleavages | I<br>F                             |
| 192003B<br>Cream Float<br>East Side<br>Area 24A           | F-11-B          | None Detected                 | 40% Binders<br>60% Mineral Cleavages  | I<br>NF                            |
| 192003C<br>Black Mastic<br>East Side<br>Area 24A          | F-11-C          | 5-15% Chrysotile              | 75% Organic Binders<br>10% Mineral Cleavages  | I<br>F                             |
| 192004A<br>Green Floor Tile<br>East Side<br>Area 23       | F-12-A          | >1-3% Chrysotile              | <1% Cellulose<br>67% Carbonate Binders<br>25% Organic Binders<br>5% Mineral Cleavages | I<br>F                             |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION     | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|---|------------------------------------|
| 192004B<br>Black Mastic<br>East Side<br>Area 23             | F-12-B          | 10-20% Chrysotile             | 75% Organic Binders<br>5% Mineral Cleavages   | I<br>F                             |
| 192005A<br>Tan Carpet Mastic<br>East Side<br>Area 44        | F-13-A          | None Detected                 | <1% Cellulose<br>80% Organic Binders<br>20% Mineral Cleavages   | I<br>F                             |
| 192005B<br>Cream Floor Tile<br>East Side<br>Area 44         | F-13-B          | None Detected                 | 65% Carbonate Binders<br>30% Organic Binders<br>5% Mineral Cleavages                                      | I<br>NF                            |
| 192005C<br>Clear Yellow Mastic<br>East Side<br>Area 44      | F-13-C          | None Detected                 | <1% Cellulose<br>85% Organic Binders<br>15% Mineral Cleavages   | I<br>F                             |
| 192006A<br>Grey on White Floor Tile<br>East Side<br>Area 45 | F-14-A          | None Detected                 | 65% Carbonate Binders<br>30% Organic Binders<br>5% Mineral Cleavages                                      | I<br>NF                            |
| 192006B<br>Tan Mastic<br>East Side<br>Area 45               | F-14-B          | None Detected                 | 80% Organic Binders<br>20% Mineral Cleavages  | I<br>NF                            |
| 192006C<br>Cream Leveling Compound<br>East Side<br>Area 45  | F-14-C          | None Detected                 | 30% Binders<br>15% Gypsum<br>55% Mineral Cleavages  | I<br>NF                            |
| 192007A<br>Red Mastic<br>East Side<br>Area 40A              | CM-15-A         | None Detected                 | <1% Cellulose<br><1% Glass Fibers<br>5% Carbonate Binders<br>85% Organic Binders<br>10% Mineral Cleavages | I<br>F                             |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS   | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|---|------------------------------------|
| 192007B<br>Tan Mastic<br>East Side<br>Area 40A          | CM-15-B         | None Detected                 | 10% Carbonate Binders<br>70% Organic Binders<br>20% Mineral Cleavages   | I<br>NF                            |
| 192008<br>Grey Ceiling Tile<br>Area 44                  | CT-16           | None Detected                 | 20% Cellulose<br>50% Mineral Wool<br>5% Binders<br>5% Mineral Cleavages<br>5% Paint<br>15% Perlite            | I<br>F                             |
| 192009<br>Cream Grey Ceiling Tile<br>Area 45            | CT-17           | None Detected                 | 55% Cellulose<br>20% Mineral Wool<br>5% Carbonate Binders<br><1% Mineral Cleavages<br>5% Paint<br>15% Perlite | I<br>F                             |
| 192010<br>Dark Cream Ceiling Tile<br>Area 41            | CT-18           | None Detected                 | 70% Cellulose<br>10% Mineral Wool<br>5% Carbonate Binders<br><1% Mineral Cleavages<br>5% Paint<br>10% Perlite | I<br>F                             |
| 192011<br>Cream Window Putty<br>Area 40<br>North Window | WP-19           | None Detected                 | 75% Carbonate Binders<br>20% Organic Binders<br>5% Mineral Cleavages  | I<br>NF                            |
| 192012<br>Cream Window Putty<br>Area 40<br>North Window | WP-20           | None Detected                 | 75% Carbonate Binders<br>20% Organic Binders<br>5% Mineral Cleavages  | I<br>NF                            |
| 192013<br>Cream Window Putty<br>Area 40A<br>Window      | WP-21           | None Detected                 | 75% Carbonate Binders<br>20% Organic Binders<br>5% Mineral Cleavages  | I<br>NF                            |

| RESULTS:<br>LAB SAMPLE #<br>LAB DESCRIPTION<br>LOCATION             | CLIENT SAMPLE # | PERCENT & TYPE<br>OF ASBESTOS | PERCENT & TYPE OF<br>NON-ASBESTOS                                    | LAYER<br>I-H<br>APPEARANCE<br>F-NF |
|---|-----------------|-------------------------------|--|------------------------------------|
| 192014A<br>Light Grey Coating<br>South End Below<br>Raised Corridor | EXT-W-22-A      | None Detected                 | 50% Carbonate Binders<br>45% Organic Binders<br>5% Mineral Cleavages | I<br>NF                            |
| 192014B<br>Grey Cementitious<br>South End Below<br>Raised Corridor  | EXT-W-22-B      | None Detected                 | 5% Cellulose<br>50% Sulfate Binders<br>45% Mineral Cleavages         | I<br>F                             |
| 192015<br>Grey Stucco<br>Center Below<br>Raised Corridor            | EXT-W-23        | None Detected                 | 50% Carbonate Binders<br>45% Organic Binders<br>5% Mineral Cleavages | I<br>NF                            |
| 192016<br>Grey Stucco<br>North End Below<br>Raised Corridor         | EXT-W-24        | None Detected                 | 50% Carbonate Binders<br>45% Organic Binders<br>5% Mineral Cleavages | I<br>NF                            |

Attached are the results of analysis of bulk samples submitted for asbestos identification. Converse Consultants follows EPA Method EPA/600/R-93/116, July 1993 and EPA/600/M4-82-020, December 1982.

Each sample was initially examined under a stereoscopic microscopic at a magnification of 10x to 60x. Fibrous material was examined for morphology and content. Portions of each sample were immersed in a fluid with a known refractive index. The sample was examined under polarized light using a Nikon Labophol microscope with a McCrone Dispersion Staining objective under 100X magnification. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angles of extinction, signs of elongation and dispersion staining colors. Asbestos fiber content is estimated by optically comparing the quantity of asbestos material and non-asbestos material to establish estimated percentages. Per the method, samples with distinct layers or inhomogeneous character have each layer analyzed separately and reported as individual layers. (I – Inhomogeneous, H – Homogeneous, F – Fibrous, NF – Non-Fibrous)

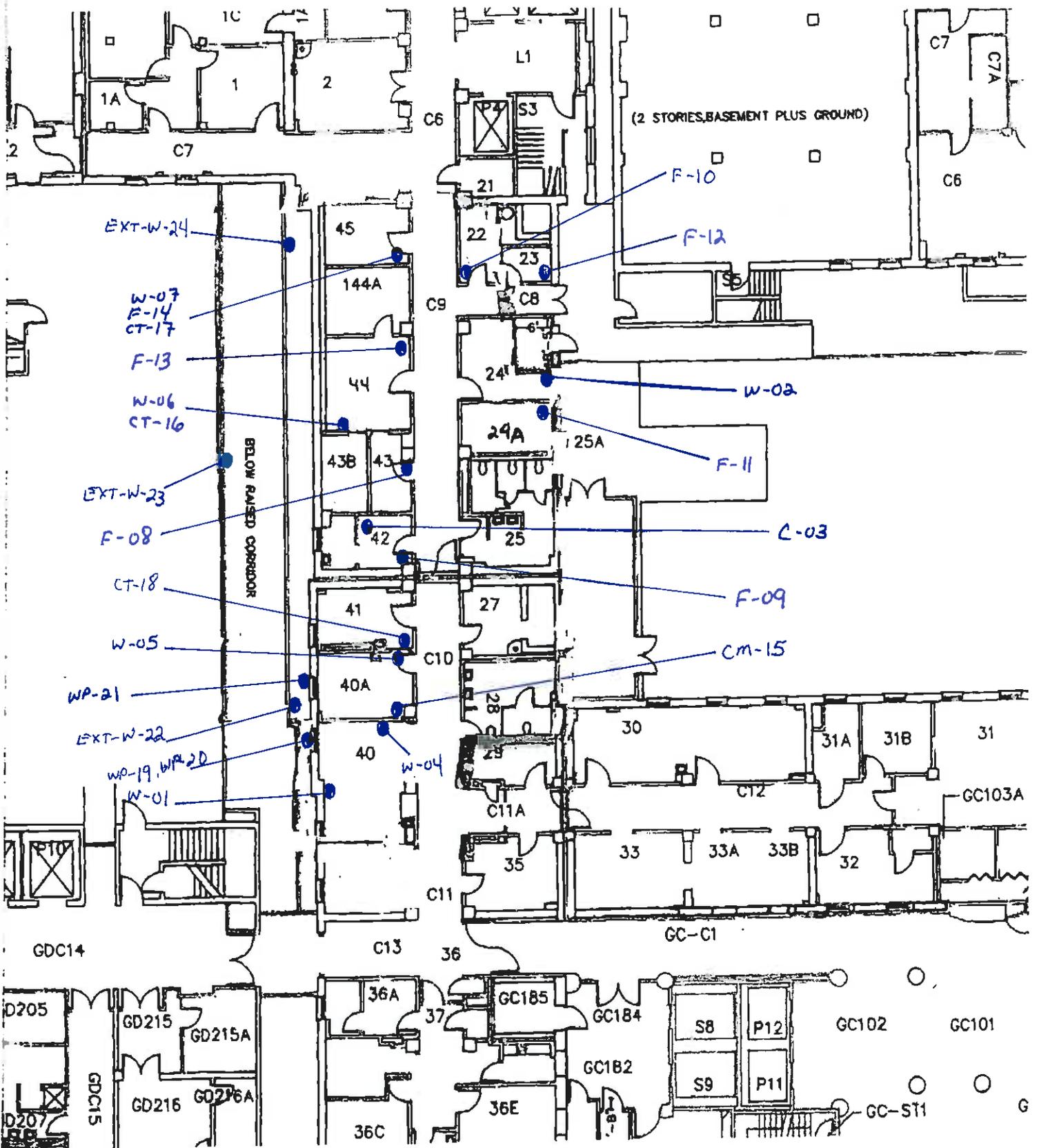
Bulk sampling may not have been performed by Converse Consultants personnel. No warranty is made as to the acceptability of sampling strategies.

Converse Consultants is National Voluntary Laboratory Accreditation Program accredited. Our NVLAP Lab Code: 102091-0. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report must not be reproduced except in full without the approval of the laboratory. This report relates only to the items tested.

## APPENDIX C

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### Bulk Sample Location Diagram





# M&C Environmental Training

## Asbestos Contractor/Supervisor Refresher Training Course

**Frank M. Reynolds III**

has successfully completed the Asbestos Contractor/Supervisor Refresher course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7 Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training, Inc., 1619 Beverly Place, Berkeley, California 94707. Tel. #(510) 525 - 1388

Course Approval Number: CA-003-04

Location: Reno, Nevada      Expiration: November 30, 2011

Dates: November 30, 2010

Director of Training: John McGinnis



Certificate Number 29053 SR

# M&C Environmental Training

**Asbestos Inspector**  
Refresher Training Course

**Frank M. Reynolds III**

has successfully completed the Asbestos Inspector Refresher course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7 Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training, Inc., 1619 Beverly Place, Berkeley, California 94707. Tel. #(510) 525 - 1388

Course Approval Number: CA-003-06

Location: Reno, Nevada      Expiration: December 1, 2011

Dates: December 1, 2010

Director of Training: John McGinnis



Certificate Number 29107 IR

# M&C Environmental Training

## Asbestos Management Planner Refresher Training Course

**Frank M. Reynolds III**

has successfully completed the Asbestos Management Planner Refresher course approved by the California Division of Occupational Safety and Health for purposes of certification required by Title 8, Article 2.7 Chapter 3.2, Section 341.16 and the accreditation required under the Toxic Substances Control Act, Title II. Conducted by M&C Environmental Training, Inc., 1619 Beverly Place, Berkeley, California 94707. Tel. #(510) 525 - 1388

Course Approval Number: CA-003-08

Location: Reno, Nevada      Expiration: December 1, 2011

Dates: December 1, 2010

Director of Training: John McGinnis



Certificate Number 29124 PR

DATE 4/16/10  
LICENSE NO. IJML248  
INSPECTOR  
MANAGEMENT PLANNER  
PROJECT MONITOR

*F.M. Reynolds III*  
Signature

[Wallet Card - Fold Here]

STATE OF NEVADA  
DEPARTMENT OF BUSINESS AND INDUSTRY  
DIVISION OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

ASBESTOS ABATEMENT CONSULTANT  
FRANK M. REYNOLDS III  
CONVERSE CONSULTANTS

HAS PAID FEE REQUIRED BY  
(NSFO Rev. 2-06) CHAPTER 618 OF NAC (C) 3656  
THIS LICENSE EXPIRES ON 4/16/11

OSHA

002147335



U.S. Department of Labor  
Occupational Safety and Health Administration

FRANK REYNOLDS III

has successfully completed a 10-hour Occupational Safety and Health  
Training Course in

Construction Safety & Health

(Trainer)

11/04/2008

(Date)

M&C Environmental Training  
AHERA Accreditation ID Card

Name: Frank M. Reynolds III  
Course: Contractor/Supervisor Ref.  
Date: November 30, 2010  
Certification: 29053 SR  
Expiration: November 30, 2011  
(510) 525-1388

M&C Environmental Training  
AHERA Accreditation ID Card

Name: Frank M. Reynolds III  
Course: Management Planner Ref.  
Date: December 1, 2010  
Certification: 29124 PR  
Expiration: December 1, 2011  
(510) 525-1388

M&C Environmental Training  
AHERA Accreditation ID Card

Name: Frank M. Reynolds III  
Course: Inspector Ref.  
Date: December 1, 2010  
Certification: 29107 IR  
Expiration: December 1, 2011  
(510) 525-1388

# Certificate of Training

This Certifies that

John W. Petersen

has successfully completed 8 hours training entitled

**Asbestos Project Designer Refresher**

**Toxic Substances Control Act, Title II (AHERA)**

This is an annual certification. It must be renewed.

**Environmental  
Safety  
Training  
Professionals Ltd.**

3035 Prospect Park Drive #110  
Rancho Cordova, CA 95670  
Phone 916 638-5550  
Fax 916 638-5551  
Division Approval #CA-006-10

I.D. #: 1773  
Certification #: 4359  
Course Date: 03/16/11

Expiration Date: 03/16/12

By: Neta Snider  
Authorized Signature: Neta Snider

# Certificate of Training

This Certifies that

John W. Petersen

has successfully completed 8 hours of formal training entitled

**Asbestos Building Inspector Refresher  
Asbestos Management Planner Refresher  
Toxic Substances Control Act, Title II (AHERA)**

This is an annual certification. It must be renewed.

**Environmental  
Safety**

**Training  
Professionals Ltd.**

By: Neta Snider

Authorized Signature: Neta Snider

Course Date: 03/17/11

3035 Prospect Park Dr # 110  
Rancho Cordova CA 95670  
Phone 916 638-5550  
Fax 916 638-5551  
Division Approval #CA-006-06  
#CA-006-08

Certification # 3608

I.D #: 1773

Expiration Date: 03/17/12

# Certificate of Training

This Certifies that

John W. Petersen

has successfully completed 8 hours training entitled

**Asbestos Contractor/Supervisor Refresher**

Section 206 of TSCA Title II (AHERA)

This is an annual certification. It must be renewed.

**Environmental  
Safety  
Training  
Professionals Ltd.**

3035 Prospect Park Drive #110  
Rancho Cordova, CA 95670  
Phone 916 638-5550  
Fax 916 638-5551  
Division Approval #CA-006-04

I.D. #: 1773  
Certification #: 7739  
Course Date: 03/18/11

Expiration Date: 03/18/12

By: Neta Snider  
Authorized Signature: Neta Snider

STATE OF NEVADA  
DEPARTMENT OF BUSINESS AND INDUSTRY  
DIVISION OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
ASBESTOS CONTROL PROGRAM

DATE 3/08/11

LICENSE IJPM575

THE ASBESTOS ABATEMENT CONSULTANT NAMED BELOW IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 618 OF N.R.S. AND N.A.C. THIS LICENSE EXPIRES ON 3/08/12

JOHN W. PETERSEN  
CONVERSE CONSULTANTS  
4840 MILL STREET, UNIT #5  
RENO, NV 89502