INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Frederick Connolly, Project Manager
Team Cavacas, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **February 9, 2010**

SUBJECT: ADDENDUM # 3

PROJECT TITLE: Renovation To Hamden DMV
1985 State Street
Hamden, Connecticut

PROJECT NO.: **BI-MM-041**

SCHEDULED BID OPENING: **February 17, 2010**

Please expedite the attached Addendum # 3.

1. The total number of pages in this addendum is: 13.
2. The total number of drawings in this addendum is: Not Applicable
3. See attached Revised "Bid Released" form (55) dated: Not Applicable
4. Project Manager to explain reason for addendum (clarification purposes, added work, etc.). Will addendum save money or cost more?
   To include an additional Specification section and issue required clarifications.

Attachment
xc: Agency
Team File: BI-MM-041 R2
PM: F. Connolly

RENOVATION TO THE HAMDEN DMV
1985 State Street
Hamden, Ct
PROJECT: BI- MM-41

BID OPENING	**1:00 P.M.**	**February 17, 2010**
ADDENDUM NUMBER 3	**DATE OF ADDENDUM**	**February 9, 2010**

The following clarifications are applicable to drawings and specifications for the project referenced above.

Drawings

1- Drawing E-4 and E-4A,
Chart RP1, circuits 14, 16, 18
Change
"3 #3+G- 1 ¼" C" to **"3 #1/0 + #6G in 2" C"**

2- Drawing E-0, General Notes, Raceways for Telecommunication/Signage System
Add
"5. All low voltage cable should be in conduit except above ceiling where exposed cables must be plenum rated."

3- Drawing E-1, General Notes
Add
"8. Cable for Q-Matic system shall be CAT-6. Provide one run of cable from each station at counter level and one run of cable from overhead soffit at each station. Cables to run to MANAGER's office 118. Allow 20 feet of length for each cable coiled up within the MANAGER's office for Owner to punch down."

Specifications

4- Add
Section 26 05 23 CONTROL VOLTAGE ELECTRICAL POWER CABLE
10 pages attached to this Addendum No. 3

RFI's

5- "Please clarify which "Low voltage Wiring" Scopes of Work the Electrical Contractor is responsible for:
A- The "Low Voltage Notes" found on Drawings E-1 & E-1A state that "ALL" low voltage wiring shall be by the electrician.
B- The Electrical Symbols List found on Drawing E-0, would lead me to believe that the Electrician is also responsible for all Telecommunications Cabling, Stating that Cat 6 wiring is to be provided.
C- General Notes on E-0 under "Raceways for Telecommunications/Signage Systems"- These notes state that the Electrican is to provide Conduits, Boxes, & Pull Strings Only.

D- Electrical Detail "2/E-3" shows conduit, boxes & pull string only for "Telecommunications Locations"

Answer

The contractor is to provide ALL low voltage wiring. Note on E-0 under "Raceways for Telecommunication/Signage System" only refer to the raceways. Detail 2/E-3 only diagrams the raceways.

6- "I cannot seem to locate the "2nd Floor Server Room" location anywhere on the drawings provided to bid this project. The location of this room is critical to the Electrical Scope of work, as the "Low Voltage Notes" found on Drawings E-1 & E-1A state that "All Low Voltage Wiring is to Terminate in the Server Room. Please Advise."

Answer

The Server Room is located on the Second Floor directly above Room 115.

7- "May we please receive a detail regarding the low voltage wiring requirements for the Direction Signs in the Soffit of the Public Area? Conduit & Box Requirements?"

Answer

Back boxes are required. Conduits are required except above ceiling where exposed cables must be plenum rated.

8- "May we please receive a detail of the preferred/expected pathway & method of installation of wiring for all Low Voltage & Communication Outlet mounted in the "Service Millwork" of the "Public Area". Are we to use flexible conduit? Open Cabling? EMT?"

Answer

The pathway should be in the low metal stud/gypsum board wall. Wiring to be in conduit except above ceiling where exposed cables must be plenum rated.

9- "May we please receive a Wiring Diagram or Wiring Requirements for the "Panic Button System"?"

Answer

The Panic Buttons are to be at every station. The buttons and wires can be installed directly under the counters. Wiring to be in conduit except above ceiling where exposed cables must be plenum rated.

10- "Please provide the location of the "Security Closet" to facilitate the wiring of the Panic Buttons."

Answer

"Security Closet" is the same as "Server Room", which is located on the Second Floor directly above Room 115.

11- "Please provide the required power requirements (i.e. 400 amps) that will feed the temporary buildings during the construction phase"

Answer

Electrical for Temporary Building is from a separate service- see Division 13.

12- "Who supplies and installs the data equipment?"
"Who supplies and installs the security equipment?"

Answer

The DMV

13- "We have spoken to several modular building suppliers and it appears that the units come in 60' lengths. If we were to use the 60' lengths, that will put us over the setback line. Would it be possible to redesign the east end of the building with the same square footage, but different layout in order to clear the set back line."
Answer
Yes, we will work with you on the final layout after the award of the contract.

14- "How many panic buttons are there in total? Please specify the quantity and the type of wiring going to each button. A security riser diagram would be helpful. What room number is he Security Closet?"
Answer
See answers to other RFI items on this Addendum.

15- "Please review Drawing ED-1 Demo Key Notes 14 and 16 in conjunction with single line diagram 3/E-1 on drawing E-1. The diagram shows a 1 section panel referring back to note 14; note 14 states 2 section panel. Are these notes reversed?"
Answer
Yes.

End of Addendum Number Three

Melanee Walton for
David Busanet, Bidding & Contracts Supervisor
Department of Public Works

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
1. UTP cabling.
2. RS-232 cabling.
3. RS-485 cabling.
4. Low-voltage control cabling.
5. Control-circuit conductors.
6. Identification products.

1.3 DEFINITIONS

A. EMI: Electromagnetic interference.

B. IDC: Insulation displacement connector.

C. Low Voltage: As defined in NFPA 70 for circuits and equipment operating at less than 50 V or for remote-control and signaling power-limited circuits.

D. Open Cabling: Passing telecommunications cabling through open space (e.g., between the studs of a wall cavity).

E. RCDD: Registered Communications Distribution Designer.

F. Solid-Bottom or Non-ventilated Cable Tray: A fabricated structure consisting of integral or separate longitudinal side rails, and a bottom without ventilation openings.

G. Trough or Ventilated Cable Tray: A fabricated structure consisting of integral or separate longitudinal rails and a bottom having openings sufficient for the passage of air and using 75 percent or less of the plan area of the surface to support cables.

H. UTP: Unshielded twisted pair.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Qualification Data: For qualified layout technician, installation supervisor, and field inspector.

C. Source quality-control reports.

D. Field quality-control reports.

E. Maintenance Data: For wire and cable to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Testing Agency Qualifications: Member company of an NRTL.
1. Testing Agency's Field Supervisor: Currently certified by BICSI as an RCDD to supervise on-site testing.

B. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 450 or less.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Test cables upon receipt at Project site.
1. Test optical fiber cable to determine the continuity of the strand end to end. Use optical fiber flashlight or optical loss test set.
2. Test optical fiber cable on reels. Use an optical time domain reflectometer to verify the cable length and locate cable defects, splices, and connector; include the loss value of each. Retain test data and include the record in maintenance data.
3. Test each pair of UTP cable for open and short circuits.

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Do not deliver or install UTP and optical fiber cables and connecting materials until wet work in spaces is complete and dry, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

PART 2 - PRODUCTS

2.1 PATHWAYS

A. All low voltage cable shall be run in conduit except when located above accessible ceiling. All exposed cable run above ceiling shall be plenum rated.

B. Comply with requirements in Division 26 Section "Raceway and Boxes for Electrical Systems" for installation of conduits and wireways.

C. Support of Open Cabling: NRTL labeled for support of Category 6 cabling, designed to prevent degradation of cable performance and pinch points that could damage cable.
1. Support brackets with cable tie slots for fastening cable ties to brackets.
2. Lacing bars, spools, J-hooks, and D-rings.
3. Straps and other devices.

2.2 BACKBOARDS

A. Description: Plywood, fire-retardant treated, 3/4 by 48 by 96 inches. Comply with requirements for plywood backing panels in Division 06 Section "Rough Carpentry."

2.3 UTP CABLE

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Belden CDT Inc.; Electronics Division.
2. Berk-Tek; a Nexans company.
3. CommScope, Inc.
4. Draka USA.
5. Genesis Cable Products; Honeywell International, Inc.
6. KRONE Incorporated.
7. Mohawk; a division of Belden CDT.
8. Nordex/CDT; a subsidiary of Cable Design Technologies.
9. Superior Essex Inc.
10. SYSTIMAX Solutions; a CommScope, Inc. brand.
11. 3M.
12. Tyco Electronics/AMP Netconnect; Tyco International Ltd.

B. Description: 100-ohm, four-pair UTP, formed into 25-pair binder groups covered with a blue thermoplastic jacket.
1. Comply with ICEA S-90-661 for mechanical properties.
2. Comply with TIA/EIA-568-B.1 for performance specifications.
3. Comply with TIA/EIA-568-B.2, Category 6.

4. Listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 444 and NFPA 70 for the following types:
   a. Communications, General Purpose: Type CM or Type CMG.
   b. Communications, Plenum Rated: Type CMP or Type MPP complying with NFPA 262.
   c. Communications, Riser Rated: Type CMR or Type MPP complying with UL 1666.
   d. Communications, Limited Purpose: Type CMX or Type MPP.
   e. Multipurpose: Type MP or Type MPG.
   f. Multipurpose, Plenum Rated: Type MPP, complying with NFPA 262.
   g. Multipurpose, Riser Rated: Type MPR or Type MPP, complying with UL 1666.

2.4 UTP CABLE HARDWARE

A. Manufacturers: Provide products by one of the following:
   1. American Technology Systems Industries, Inc.
   2. Dynacom Corporation.
   3. Hubbell Premise Wiring.
   4. KRONE Incorporated.
   5. Leviton Voice & Data Division.
   6. Molex Premise Networks; a division of Molex, Inc.
   7. Nordex/CDT; a subsidiary of Cable Design Technologies.
   8. Panduit Corp.
   9. Siemon Co. (The).
   10. Tyco Electronics/AMP Netconnect; Tyco International Ltd.

B. UTP Cable Connecting Hardware: IDC type, using modules designed for punch-down caps or tools. Cables shall be terminated with connecting hardware of the same category or higher.

C. Connecting Blocks: 110 style for Category 6. Provide blocks for the number of cables terminated on the block, plus 25 percent spare; integral with connector bodies, including plugs and jacks where indicated.

2.5 RS-232 CABLE

A. Standard Cable: NFPA 70, Type CM.
   1. Paired, two pairs, No. 22 AWG, stranded (7x30) tinned-copper conductors.
   2. Polypropylene insulation.
   3. Individual aluminum foil-polyester tape shielded pairs with 100 percent shield coverage.
   4. PVC jacket.
   5. Pairs are cabled on common axis with No. 24 AWG, stranded (7x32) tinned-copper drain wire.
   6. Flame Resistance: Comply with UL 1581.

B. Plenum-Rated Cable: NFPA 70, Type CMP.
1. Paired, two pairs, No. 22 AWG, stranded (7x30) tinned-copper conductors.
2. Plastic insulation.
3. Individual aluminum foil-polyester tape shielded pairs with 100 percent shield coverage.
4. Plastic jacket.
5. Pairs are cabled on common axis with No. 24 AWG, stranded (7x32) tinned-copper drain wire.
6. Flame Resistance: Comply with NFPA 262.

2.6 RS-485 CABLE

A. Standard Cable: NFPA 70, Type CM or Type CMG.
1. Paired, two pairs, twisted, No. 22 AWG, stranded (7x30) tinned-copper conductors.
2. PVC insulation.
3. Unshielded.
4. PVC jacket.
5. Flame Resistance: Comply with UL 1581.

B. Plenum-Rated Cable: NFPA 70, Type CMP.
1. Paired, two pairs, No. 22 AWG, stranded (7x30) tinned-copper conductors.
2. Fluorinated ethylene propylene insulation.
3. Unshielded.
4. Fluorinated ethylene propylene jacket.
5. Flame Resistance: NFPA 262, Flame Test.

2.7 LOW-VOLTAGE CONTROL CABLE

A. Paired Cable: NFPA 70, Type CMG.
1. One pair, twisted, No. 16 AWG, stranded (19x29) tinned-copper conductors.
2. PVC insulation.
3. Unshielded.
4. PVC jacket.
5. Flame Resistance: Comply with UL 1581.

B. Plenum-Rated, Paired Cable: NFPA 70, Type CMP.
1. One pair, twisted, No. 16 AWG, stranded (19x29) tinned-copper conductors.
2. PVC insulation.
3. Unshielded.
4. PVC jacket.
5. Flame Resistance: Comply with NFPA 262.

C. Paired Cable: NFPA 70, Type CMG.
1. One pair, twisted, No. 18 AWG, stranded (19x30) tinned-copper conductors.
2. PVC insulation.

3. Unshielded.
4. PVC jacket.
5. Flame Resistance: Comply with UL 1581.

D. Plenum-Rated, Paired Cable: NFPA 70, Type CMP.
1. One pair, twisted, No. 18 AWG, stranded (19x30) tinned-copper conductors.
2. Fluorinated ethylene propylene insulation.
3. Unshielded.
4. Plastic jacket.
5. Flame Resistance: NFPA 262, Flame Test.

2.8 CONTROL-CIRCUIT CONDUCTORS

A. Class 1 Control Circuits: Stranded copper, Type THHN-THWN, in raceway, complying with UL 83 and UL 44.

B. Class 2 Control Circuits: Stranded copper, Type THHN-THWN, in raceway, complying with UL 83 and UL 44.

C. Class 3 Remote-Control and Signal Circuits: Stranded copper, Type TW or Type TF, complying with UL 83.

2.9 IDENTIFICATION PRODUCTS

A. Manufacturers: Provide products by one of the following:
1. Brady Corporation.
2. HellermannTyton.
3. Kroy LLC.
4. Panduit Corp.

B. Comply with UL 969 for a system of labeling materials, including label stocks, laminating adhesives, and inks used by label printers.

C. Comply with requirements in Division 26 Section "Identification for Electrical Systems."

2.10 SOURCE QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to evaluate cables.

B. Factory test UTP and optical fiber cables on reels according to TIA/EIA-568-B.1.

C. Factory test UTP cables according to TIA/EIA-568-B.2.

D. Factory test multimode optical fiber cables according to TIA/EIA-526-14-A and TIA/EIA-568-B.3.

E. Cable will be considered defective if it does not pass tests and inspections.

F. Prepare test and inspection reports.

PART 3 - EXECUTION

3.1 INSTALLATION OF PATHWAYS

A. Comply with TIA/EIA-569-A for pull-box sizing and length of conduit and number of bends between pull points.

B. Comply with requirements in Division 26 Section "Raceway and Boxes for Electrical Systems" for installation of conduits and wireways.

C. Install manufactured conduit sweeps and long-radius elbows if possible.

D. Pathway Installation in Equipment Rooms:
1. Position conduit ends adjacent to a corner on backboard if a single piece of plywood is installed or in the corner of room if multiple sheets of plywood are installed around perimeter walls of room.
2. Install cable trays to route cables if conduits cannot be located in these positions.
3. Secure conduits to backboard if entering room from overhead.
4. Extend conduits 3 inches above finished floor.
5. Install metal conduits with grounding bushings and connect with grounding conductor to grounding system.

E. Backboards: Install backboards with 96-inch dimension vertical. Butt adjacent sheets tightly and form smooth gap-free corners and joints.

3.2 INSTALLATION OF CONDUCTORS AND CABLES

A. Comply with NECA 1.

B. General Requirements for Cabling:
1. Comply with TIA/EIA-568-B.1.
2. Comply with BICSI ITSIM, Ch. 6, "Cable Termination Practices."
3. Terminate all conductors; no cable shall contain unterminated elements. Make terminations only at indicated outlets, terminals, and cross-connect and patch panels.
4. Cables may not be spliced. Secure and support cables at intervals not exceeding 30 inches and not more than 6 inches from cabinets, boxes, fittings, outlets, racks, frames, and terminals.
5. Bundle, lace, and train conductors to terminal points without exceeding manufacturer's limitations on bending radii, but not less than radii specified in

BICSI ITSIM, "Cabling Termination Practices" Chapter. Install lacing bars and distribution spools.

6. Do not install bruised, kinked, scored, deformed, or abraded cable. Do not splice cable between termination, tap, or junction points. Remove and discard cable if damaged during installation and replace it with new cable.
7. Cold-Weather Installation: Bring cable to room temperature before dereeling. Heat lamps shall not be used for heating.
8. Pulling Cable: Comply with BICSI ITSIM, Ch. 4, "Pulling Cable." Monitor cable pull tensions.

C. UTP Cable Installation:
   1. Comply with TIA/EIA-568-B.2.
   2. Install 110-style IDC termination hardware unless otherwise indicated.
   3. Do not untwist UTP cables more than 1/2 inch from the point of termination to maintain cable geometry.

D. Installation of Control-Circuit Conductors:
   1. Install wiring in raceways. Comply with requirements specified in Division 26 Section "Raceway and Boxes for Electrical Systems."

E. Open-Cable Installation:
   1. Install cabling with horizontal and vertical cable guides in telecommunications spaces with terminating hardware and interconnection equipment.
   2. Suspend copper cable not in a wireway or pathway a minimum of 8 inches above ceilings by cable supports not more than 60 inches apart.
   3. Cable shall not be run through structural members or in contact with pipes, ducts, or other potentially damaging items.

F. Separation from EMI Sources:
   1. Comply with BICSI TDMM and TIA/EIA-569-A recommendations for separating unshielded copper voice and data communication cable from potential EMI sources, including electrical power lines and equipment.
   2. Separation between open communications cables or cables in nonmetallic raceways and unshielded power conductors and electrical equipment shall be as follows:
      a. Electrical Equipment Rating Less Than 2 kVA: A minimum of 5 inches.
      b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 12 inches.
      c. Electrical Equipment Rating More Than 5 kVA: A minimum of 24 inches.
   3. Separation between communications cables in grounded metallic raceways and unshielded power lines or electrical equipment shall be as follows:
      a. Electrical Equipment Rating Less Than 2 kVA: A minimum of 2-1/2 inches.
      b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 6 inches.
      c. Electrical Equipment Rating More Than 5 kVA: A minimum of 12 inches.
   4. Separation between communications cables in grounded metallic raceways and power lines and electrical equipment located in grounded metallic conduits or enclosures shall be as follows:
      a. Electrical Equipment Rating Less Than 2 kVA: No requirement.

b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 3 inches.
c. Electrical Equipment Rating More Than 5 kVA: A minimum of 6 inches.

5. Separation between Cables and Electrical Motors and Transformers, 5 kVA or HP and Larger: A minimum of 48 inches.
6. Separation between Cables and Fluorescent Fixtures: A minimum of 5 inches.

3.3 REMOVAL OF CONDUCTORS AND CABLES

A. Remove abandoned conductors and cables.

3.4 CONTROL-CIRCUIT CONDUCTORS

A. Minimum Conductor Sizes:
1. Class 1 remote-control and signal circuits, No 14 AWG.
2. Class 2 low-energy, remote-control, and signal circuits, No. 16 AWG.
3. Class 3 low-energy, remote-control, alarm, and signal circuits, No 12 AWG.

3.5 FIRESTOPPING

A. Comply with requirements in Division 07 Section "Penetration Firestopping."

B. Comply with TIA/EIA-569-A, Annex A, "Firestopping."

C. Comply with BICSI TDMM, "Firestopping Systems" Article.

3.6 GROUNDING

A. For data communication wiring, comply with ANSI-J-STD-607-A and with BICSI TDMM, "Grounding, Bonding, and Electrical Protection" Chapter.

B. For low-voltage wiring and cabling, comply with requirements in Division 26 Section "Grounding and Bonding for Electrical Systems."

3.7 IDENTIFICATION

A. Identify system components, wiring, and cabling according to TIA/EIA-606-A. Comply with requirements for identification specified in Division 26 Section "Identification for Electrical Systems."

3.8 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

B. Perform tests and inspections.

C. Tests and Inspections:
   1. Visually inspect UTP and optical fiber cable jacket materials for UL or third-party certification markings. Inspect cabling terminations to confirm color-coding for pin assignments, and inspect cabling connections to confirm compliance with TIA/EIA-568-B.1.
   2. Visually inspect cable placement, cable termination, grounding and bonding, equipment and patch cords, and labeling of all components.
   3. Test UTP cabling for DC loop resistance, shorts, opens, intermittent faults, and polarity between conductors. Test operation of shorting bars in connection blocks. Test cables after termination but not after cross connection.
      a. Test instruments shall meet or exceed applicable requirements in TIA/EIA-568-B.2. Perform tests with a tester that complies with performance requirements in "Test Instruments (Normative)" Annex, complying with measurement accuracy specified in "Measurement Accuracy (Informative)" Annex. Use only test cords and adapters that are qualified by test equipment manufacturer for channel or link test configuration.

D. Document data for each measurement. Print data for submittals in a summary report that is formatted using Table 10.1 in BICSI TDMM as a guide, or transfer the data from the instrument to the computer, save as text files, print, and submit.

E. End-to-end cabling will be considered defective if it does not pass tests and inspections.

F. Prepare test and inspection reports.

END OF SECTION 26 05 23

INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Frederick Connolly, Project Manager
Team Cavacas, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **February 4, 2010**

SUBJECT: ADDENDUM # 2

PROJECT TITLE: Renovation To Hamden DMV
1985 State Street
Hamden, Connecticut

PROJECT NO.: **BI-MM-41**

SCHEDULED BID OPENING: **February 10, 2010**

Please expedite the attached Addendum # 2.

1. The total number of pages in this addendum is: 1.
2. The total number of drawings in this addendum is: Not Applicable
3. See attached Revised "Bid Released" form (55) dated: Not Applicable
4. Project Manager to explain reason for addendum (clarification purposes, added work, etc.). Will addendum save money or cost more?
   To change the bid opening date.

Attachment
xc: Agency
Team File: BI-MM-041 R2
ProjF. Connolly

RENOVATION TO THE HAMDEN DMV
1985 STATE STREET
HAMDEN, CONNECTICUT
PROJECT: BI- MM - 41

BID OPENING	**1:00 P.M.**	**February 10, 2010**
ADDENDUM NUMBER 2	**DATE OF ADDENDUM**	**February 4, 2010**

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

The bid opening will be changed from **February 10, 2010 at 1:00 P.M.** to **February 17, 2010 at 1:00 P.M.**

All questions must be in writing or e-mail (not phone) and must be forwarded to the consulting Architect, Peter Chow (fax- (860)232-6121, peterc@oakparkarchitects.com) with copies sent to the DPW Project Manager, (Frederick Connolly, Fax- (860)713-7261, frederick.connolly@ct.gov).

End of Addendum Number Two

Mellanee Walton
Associate Fiscal Administrative Officer
Department of Public Works

INTERDEPARTMENTAL MEMORANDUM

TO: David Busanet, Bidding and Contracts Supervisor
Bidding & Contracts, Room G-35
165 Capitol Avenue, Hartford, CT 06106

FROM: Frederick Connolly, Project Manager
Team Cavacas, Room 460
165 Capitol Avenue, Hartford, CT 06106

DATE: **January 29, 2010**

SUBJECT: ADDENDUM # 1

PROJECT TITLE: Renovation To Hamden DMV
1985 State Street
Hamden, Connecticut

PROJECT NO.: **BI-MM-041**

SCHEDULED BID OPENING: **February 10, 2010**

Please expedite the attached Addendum # 1.

1. The total number of pages in this addendum is: 40.
2. The total number of drawings in this addendum is: Not Applicable
3. See attached Revised "Bid Released" form (55) dated: Not Applicable
4. Project Manager to explain reason for addendum (clarification purposes, added work, etc.). Will addendum save money or cost more?
   To include approved substitutions, asbestos and lead survey report, and clarifications to contract documents. No changes expected to the probable cost.

Attachment
xc: Agency
Team File: BI-MM-041 R2
ProjF. Connolly

RENOVATION TO THE HAMDEN DMV
1985 State Street
Hamden, Ct
PROJECT: BI- MM-41

BID OPENING	**1:00 P.M.**	**February 10, 2010**
ADDENDUM NUMBER 1	**DATE OF ADDENDUM**	**February 1, 2010**

The following clarifications are applicable to drawings and specifications for the project referenced above.

General

1- **All references to FRP panels as a Supplemental Bid are incorrect. Delete such references.**

2- **All steel lintel sizes given on Architectural drawings are voided. Refer to lintel schedule in Structural drawings for sizes.**

3- **Cut existing masonry wall and provide steel lintels in existing and new walls according to lintel schedule in Structural drawings for all MEP equipments and details that require wall penetration. See all MEP drawings for reference.**

4- **Remove and replace all existing First Floor window sills. Replace with one piece ¾" oak sill-natural finish, except in new toilet rooms-they are to be ceramic tiled.**

5- **Paint all new work except pre-finished items. Paint all existing surfaces that are painted.**

6- **Patch all damaged gypsum board edges with new trim to match existing- approximately 50 linear feet.**

7- **Patch all damaged gypsum board surfaces, refill and sand smooth to match existing- approximately 100 square feet.**

Drawings

8- Cover Sheet
   a- Drawing Title L-201 Supplemental Bid #3- Site Work should read **L-201 Supplemental Bid #2- Site Work**

9- Drawing D-1
   Add notes:
   a. **"Remove all existing toilet accessories and all existing ceramic tile base in existing Men's Toilet Room and Women's Toilet Room. Remove existing ceramic tile flooring in existing Men's Toilet Room."**

b. **"In existing Men's Toilet Room- remove portions of existing CMU wet wall and trench existing slab for necessary plumbing work. Trench detail to be similar to detail 1/D-1.**

10- Drawing L-102
- a- Detail reference 15/A-5 should be **13/A-5**
- b- All references to sheet L-1 should be **L-102**

11- Drawing L-201
- a- All detail references to sheet L-103 and L-2 should be **L-201**

12- Drawing A-1
- a- Details 2/a-1 Wall Types
  - i- Wall type 2A note- "3-5/8" metal stud ..... @ 2*)" should read **"3-5/8" metal stud.....@2A*)"**
  - **ii- All rated walls should be fire-stop between top of wall and metal deck with fire stop system similar to UL* HW-D-0098**
  - **iii- All rated walls where it encounters a beam or floor joist should be fire-stop with fire stop system similar to UL-S301**
- b- Detail C/A-1 dimension should be **3'-6 ¼"**
- c- Plan 1/A-1
  Provide expansion joint detail where Addition abuts existing with similar expansion joint details as 3/A-1.

13- Drawing A-5
Detail 14/A-5, note read "see 8/A-5..." should read **"see 6/A-5..."**

14- Drawing A-6
- **a- All plumbing fixtures and accessories should meet ADA layout dimensions.**
- b- Detail A/A-6
  The note "Remove existing glass and replace with insulated translucent glass-see specification." Should apply to **both the Men's and Women's Toilet rooms.**
- c- Detail 2/A-6- **All counters shall have ¾" solid wood edging.**

15- Drawing A-8
Detail 2/A-8, 5 REAL ID KIOSK AREA- **total height should be 7-'0"**

16- Drawing A-10
Finish Schedule, Rooms 112-Men's Toilet and 113-Women's Toilet
Change
- **a- All base shall be new ceramic tile cove base- 4 ½" x 4 ½" Bright and Mat.**
- **b- Flooring material for 112- Men's Toilet Room to be ceramic tile as specified.**

17- Drawing PD-1
Add note to existing toilet room removal
"Remove existing (3) lavatories terminate H&CW with cap and valve, cut & cap waste & vent piping in chase."
Change note in existing Lounge from "Remove existing sink, terminate...." to "Remove existing sink **& drink fountain**, ..."

18- Drawing P-1 and P-1A
Add note:
"4"SE VTR and 4" VTR are to rise up to the roof as tight against the existing wall of Stair S02 as possible. Core drill existing second floor concrete slab for the vent pipes. Space cores 12" apart to avoid requiring structural support. Fire sealant opening around pipes with UL designed 1 hour system. Cut opening in existing roof deck and roofing system for new vent pipes. Cut opening as small as possible to avoid requiring structural support. Provide flashing detail as shown on SK-A1, SKP-01 and SKP-01A attached."

19- Drawing P-3
Detail 6/P-3: see revisions on
SKP-02

20- Drawing M-1
General Key Notes- Note #1 change from "Greenneck,...free area. Color to match other existing building louvers." To
"Greenneck... free area. **Color to be selected by Architect**."

21- Drawing M-2, Detail 4/M-2
Add the following notes:
a- **Cover inside face of louver with ½" mesh aluminum bird screen screwed in place.**
b- **Insulate unused portion of louver with 1-1/2" glass fiber insulating board.**

22- Drawing E-0, Lighting Fixture Schedule
Change
a- Fixture type BB & CC- lamp from "(1) 32W-PLT" to "**(2) 32W-PLT"**
b- Fixture type BB & CC- description from ".....32P-1-20-EL-BPC." To "**32P-2-20-EL-BPC**"

23- Drawing E-1
Add
SERVER ROOM NOTES- as shown on Drawing E-1A, upper right hand corner.

24- Drawing E-1A
Change
a- Existing Utility Room RP-1 and SP-1 is reversed.
Add
b- Detail 4/E-1A under 60KW Generator add **208/120v-3phase**

25- Drawing E-2 and E-2A
Add
Exit sign above door L03 in Lobby #2

26- Drawing E-4A, SP-1 schedule
Change notes on upper right hand corner from "200A MLO" to
"200A MCB"

Specifications

27- Section 01 23 00, Paragraph D,

a- Sub Paragraph 2-".....L-102...." should be **".....L-201...."**

b- Sub Paragraph 3, sub-sub Paragraph Delete- "all conduits required..... the spaces listed above." add **"This applies only to the areas that are being replaced by the systems furnishing and does not include overhead and underground feeds."**

c- Sub Paragraph 3, sub-sub Paragraph "Furthermore, as part..... wire management system." add " ....wire management system **and supply any additional parts to inter-face with system furniture panel systems."**

28- Section 06 10 00, Paragraph 2.01 E
Add
"2. For Shelving: ¾" thick birch veneer plywood- premium grade- 3 coats of natural finish."

29- Section 09 21 16, Paragraph 3.03, D,
Add
".....and **exposed** edges...."

RFI's

30- "Have any test holes or borings been done in the areas of the elevator for the Hamden DMV Building? If so, could you please provide them?
Answer
No, no boring was done.

31- "Please provide UI contact person"
Answer
Barbara Pellicano
Two telephone numbers:
203-499-3738
203-464-4188

32- "Is the Prolog Project Management system required on this project? Please advise."
Answer
No, it is not required.

33- "H.C. Toilet 111 & Men's Toilet 112-
a- "Is Floor drain @ 112 near sinks existing?"
Answer
Yes

b- "What's intent for tie-in of sinks to sanitary?"
Answer
Under-slab via trench- See item 9, Drawing D-1 for further clarification.

c- "Does new 8" block wall @ same location require a haunch per "typ." structural detail for 8" block wall sect #3 on S-2?"
Answer
No

d- "F.M. from ejector pump ties-in @ wet wall between Men's 112 & Women's 113- is wall access & slab removal required?"
Answer
Yes

e- "Ditto new H/C toilet for connect @ wet wall."
Answer
Yes

f- "Can details be provided?"
Answer
See item 9, Drawing D-1 for further clarification.

Substitution Requests

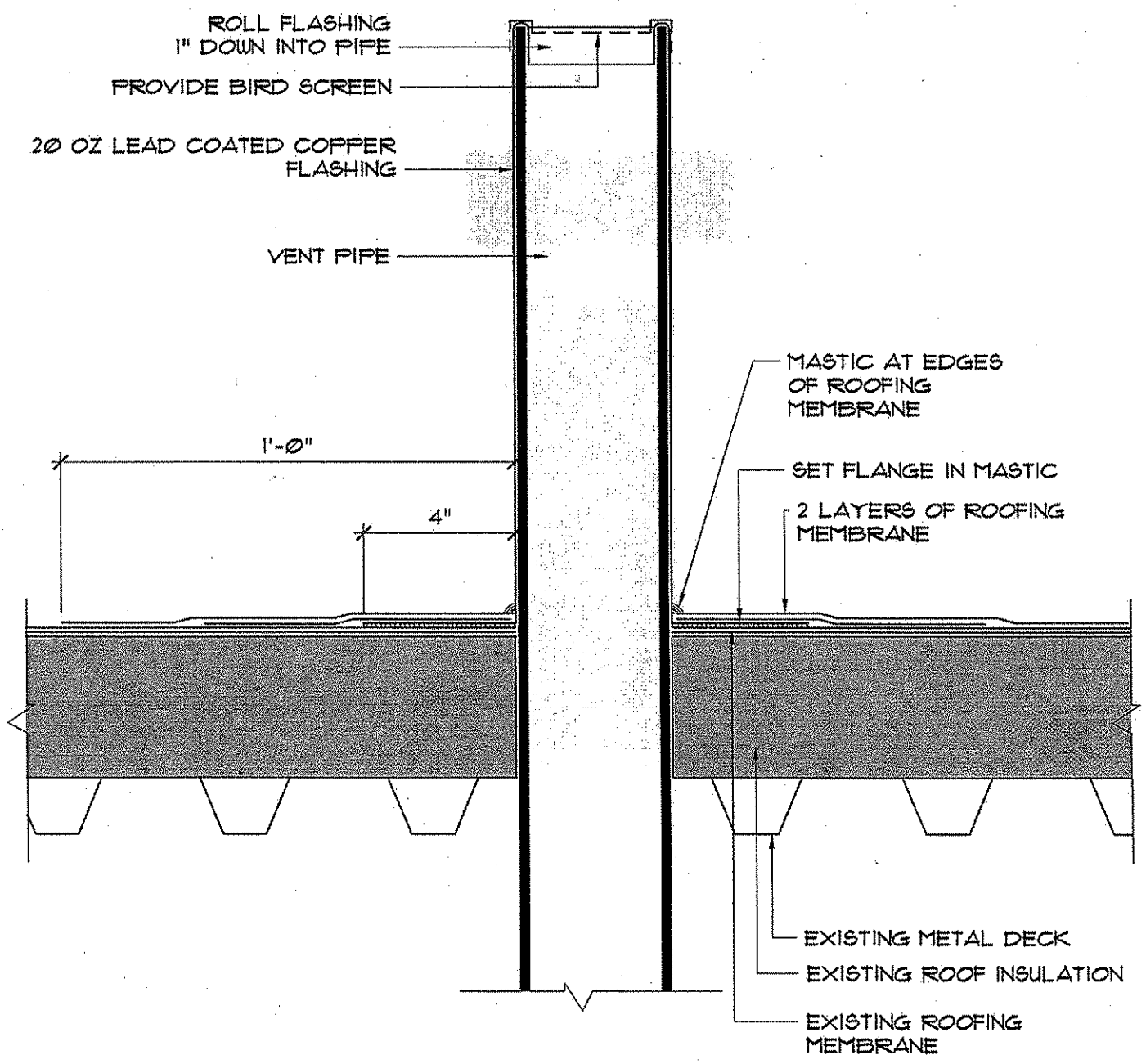
34- Simplex Grinnell requested to be an approved equal for the Fire Alarm System 283200.2.1.a+b.

Action
Approved

35- **DIVISION 1, PROJECT MANUAL TABLE OF CONTENTS, INFORMATION AVAILABLE TO BIDDERS, add:**
"PRE-RENOVATION INVESTIGATIVE SURVEY FOR ASBESTOS- CONTAINING MATERIALS AND LEAD BASED PAINT HAMDEN DEPARTMENT OF MOTOR VEHICLES HAMDEN, CONNECTICUT", 31 pages attached here-to.

End of Addendum Number One

David Busanet, Bidding & Contracts Supervisor
Department of Public Works

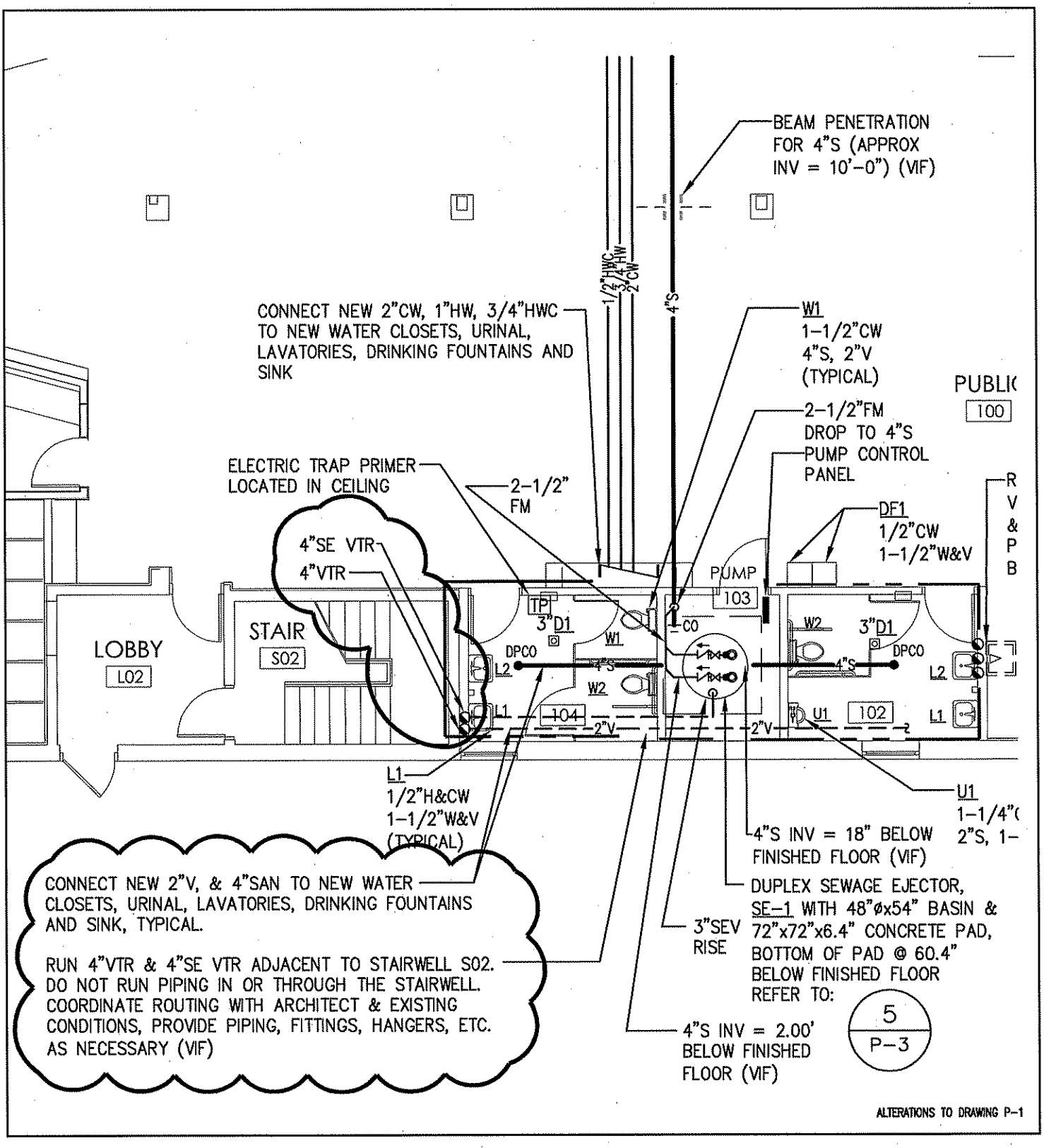


ROOF VENT DETAIL

RENOVATIONS TO THE HAMDEN DMV
1985 STATE STREET
HAMDEN, CT
BI-MM-41

OakPark Architects LLC
312 Park Road, West Hartford, CT (860)232-6664

DRAWING NO:
SK-A1
ADDENDUM # 1
DATE: JAN 29, 10
SCALE: 3"=1'-0"



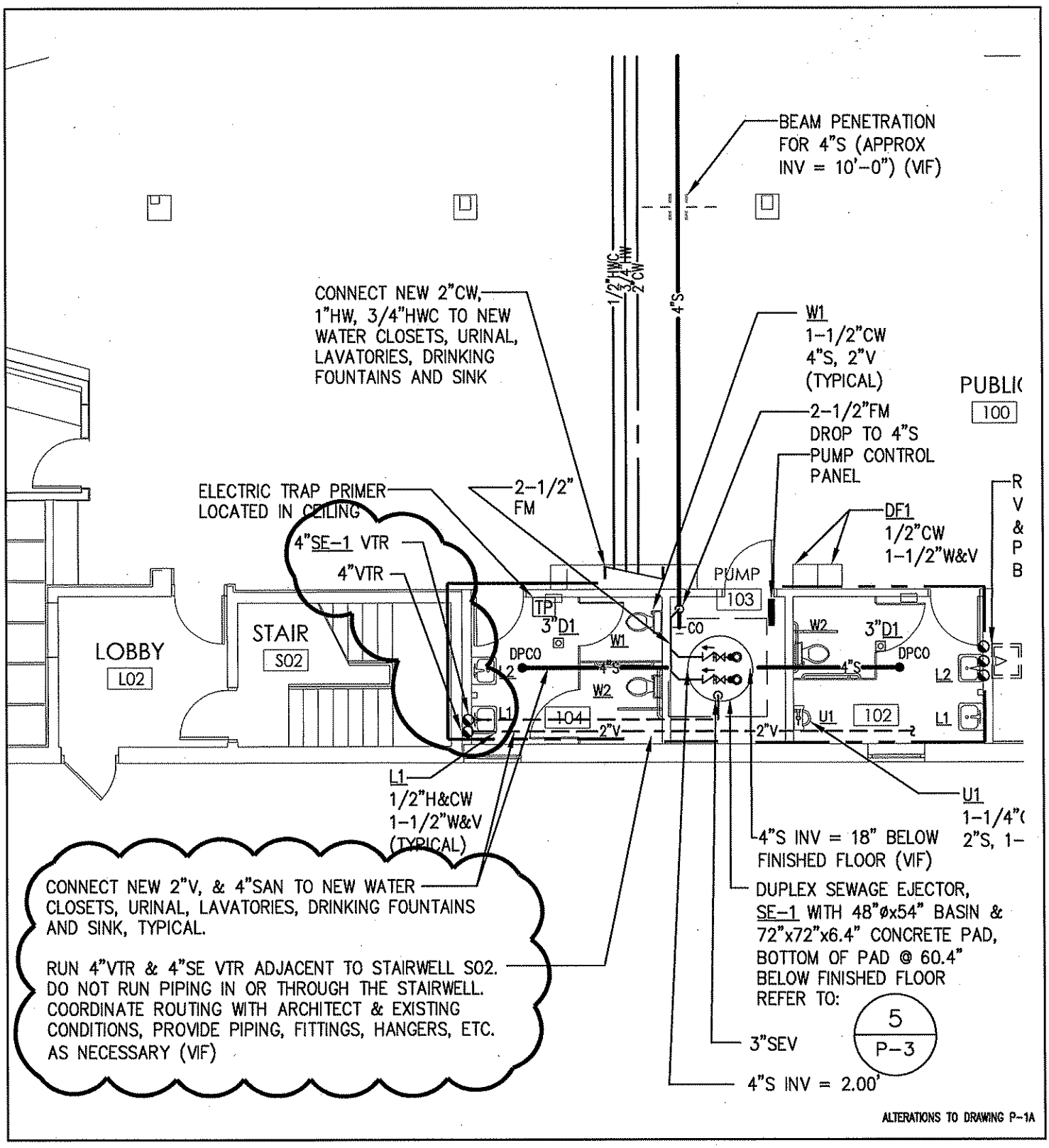
FIRST FLOOR PLAN – PLUMBING

ADDITIONS & ALTERATIONS
HAMDEN DMV
HAMDEN, CT

Kohler Ronan, LLC
Consulting Engineers
301 Main Street, Danbury CT 06810
Tel. (203) 778-1017 Fax (203) 778-1018
E-mail krce@kohlerronan.com

OakPark Architects LLC
312 Park Road, West Hartford, CT (860)232-6664

DRAWING NO:
SKP-01
ISSUE: ADDENDUM #1
DATE: 01-28-10
SCALE: 1/8"=1'-0"



FIRST FLOOR PLAN-PLUMBING SUPPLEMENT BID #2

ADDITIONS & ALTERATIONS HAMDEN DMV

HAMDEN, CT

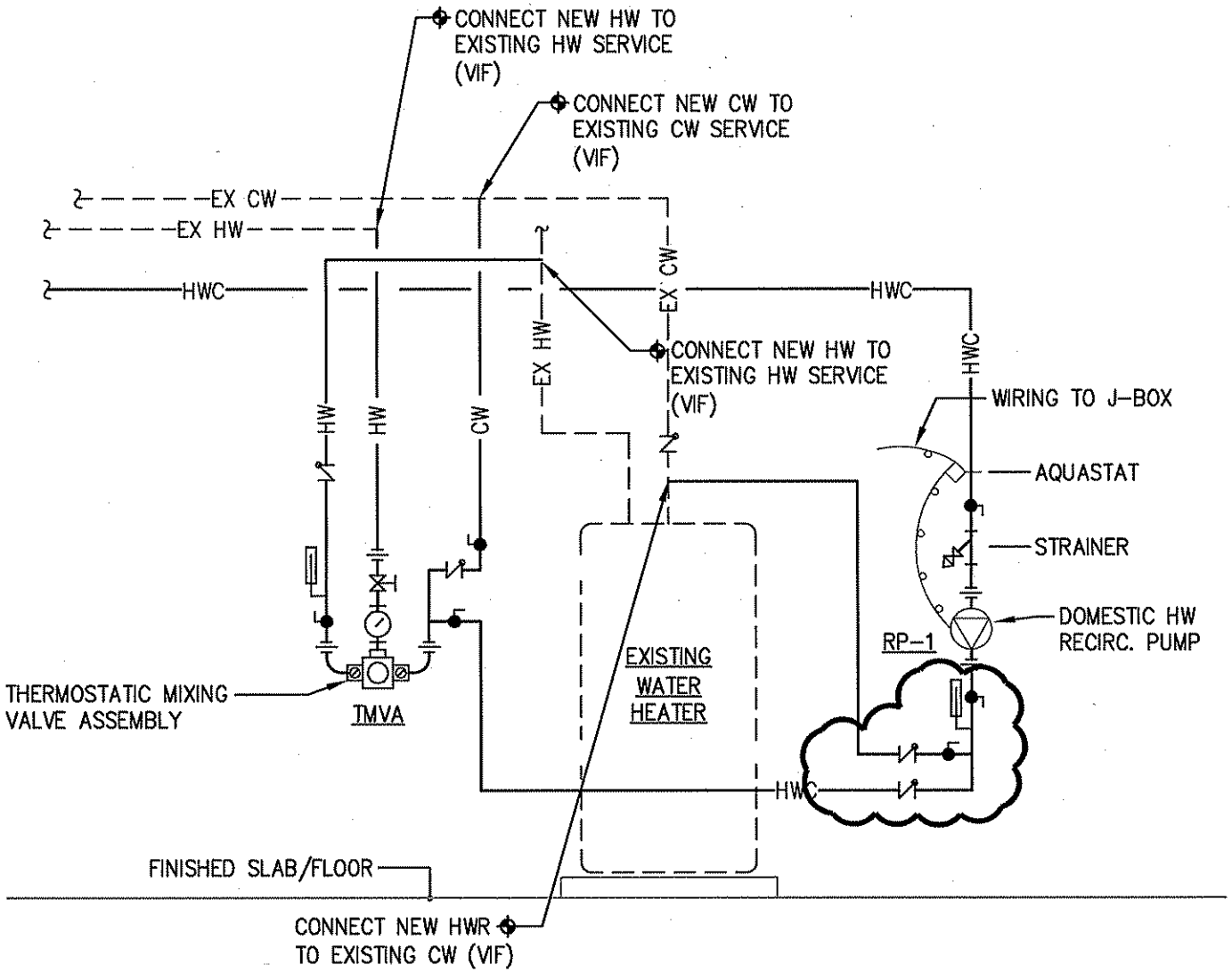
Kohler Ronan, LLC
Consulting Engineers
301 Main Street, Danbury CT 06810
Tel. (203) 778-1017 Fax (203) 778-1018
E-mail krce@kohlerronan.com

OakPark Architects LLC
312 Park Road, West Hartford, CT (860)232-6664

DRAWING NO:

SKP-01A

ISSUE: ADDENDUM #1
DATE: 01-28-10
SCALE: 1/8"=1'-0"



HOT WATER RECIRCULATION CONNECTION TO EXISTING WATER HEATER

6 / P-3

SCALE: NOT TO SCALE

ALTERATIONS TO DRAWING P-3

DETAILS – PLUMBING

ADDITIONS & ALTERATIONS HAMDEN DMV HAMDEN, CT	**Kohler Ronan, LLC** Consulting Engineers 301 Main Street, Danbury CT 06810 Tel. (203) 778-1017 Fax (203) 778-1018 E-mail krce@kohlerronan.com	OakPark Architects LLC 312 Park Road, West Hartford, CT (860)232-6664	DRAWING NO: SKP-02 ISSUE: ADDENDUM #1 DATE: 01-28-10 SCALE: NONE

PRE-RENOVATION INVESTIGATIVE SURVEY FOR ASBESTOS-CONTAINING MATERIALS AND LEAD BASED PAINT HAMDEN DEPARTMENT OF MOTOR VEHICLES HAMDEN, CONNECTICUT

Project No. MM-09-02
DPW No. 17920

Prepared for
State of Connecticut
Department of Public Works
Hartford, Connecticut

Prepared by
TRC
Windsor, Connecticut

Donald LePage
Project Manager

TRC Project No. 164560-0530-0001
August 17, 2009

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone (860) 298-9692
Facsimile (860) 298-6399

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 10 OF 40

TABLE OF CONTENTS

EXECUTIVE SUMMARY

PROJECT OUTLINE

TABLES

1	BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
2	IDENTIFIED ASBESTOS CONTAINING MATERIALS
3	CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
4	SUMMARY OF LEAD PAINT XRF MEASUREMENTS

APPENDICES

A	SITE SKETCH
B	LABORATORY AND INSPECTOR ACCREDITATIONS
C	ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORMS
D	PLM LABORATORY ANALYSIS DATA
E	TEM LABORATORY ANALYSIS DATA
F	LEAD PAINT XRF MEASUREMENT TABLE
G	ASBESTOS AIR SAMPLING DATA

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 11 OF 40

EXECUTIVE SUMMARY

On June 29 and July 13, 2009 TRC of Windsor, Connecticut conducted an inspection for suspect asbestos-containing materials (ACM) and lead based paint (LBP) at the Hamden Department of Motor Vehicles in Hamden, Connecticut. The inspection was initiated prior to planned renovation activities in accordance with USEPA Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAPS) requirements.

The scope of the inspection was limited to the interior and exterior areas at the subject building. A Connecticut licensed asbestos inspector from TRC conducted the inspection in accordance with USEPA AHERA protocols and ASTM Standard E2356-04. Bulk samples of suspect materials were collected and analyzed via polarized light microscopy (PLM) and transmission electron microscopy (TEM) methods at CTDPH/NVLAP accredited laboratories. ACM was identified as fire door insulation, transite panels, various types of mastic/glue, window/door glaze and caulk in the subject area. On July 13, 2009 TRC performed a survey/inspection of the interior floor near the current Waiting Area where a sub-pump will be located. TRC also performed an inspection under the exterior brick shell of the building at this time. There were no tar/vapor-moisture barriers located under the floor slab or behind the brick shell. TRC also conducted a previous inspection on March 10, 2005 which found the floor tile and associated mastic located in the driver testing area to be positive. ACM to be impacted by renovation activities must be removed prior to disturbance in accordance with OSHA, USEPA, CTDPH, and CTDEP standards for asbestos abatement/disposal. Detailed results of the asbestos survey can be found in Tables 1-3 and Appendices A through E.

A Connecticut licensed lead inspector from TRC conducted a LBP survey throughout the interior rooms and stairwells of the DMV and low levels (<1.0 mg/cm^2) of lead paint were identified in various areas that are scheduled for impact. Exposure levels for lead in the construction industry are regulated by OSHA 29 CFR 1926.62. Construction activities disturbing surfaces containing lead paint which are likely to be employed, such as grinding, cutting, and demolishing, has been known to expose workers to airborne levels of lead in excess of the permissible exposure limit (PEL). The Contractor shall conduct demolition work in conformance with the OSHA regulations, utilizing engineering controls

and personal protective equipment. In addition, disposal of construction waste containing lead paint is subject to regulation under both the CTDEP Hazardous and Special Waste Management (22a-209-1 through 16; 22a-449(c)-11; 22a-449(c)-13; 22a-449(c)-100 through 110; and 22a-454) and USEPA RCRA Hazardous Waste Management (40 CFR Parts 260 through 274) regulations. However, scrap metal is exempt from regulation under the CTDEP/USEPA Hazardous Waste Regulations provided it is properly recycled. The Contractor shall recycle any lead painted scrap metal at an approved scrap metal recycling facility. Detailed results of the lead survey can be found in Table 4 and Appendix F.

PROJECT OUTLINE

Project Address:	Hamden Department of Motor Vehicles 1985 State Street, Hamden, CT
DAS Contract No.	08PSX0202
DPW Project Manager	James Sinclair
DPW Project No.:	MM-09-02
DPW Building No:	17920
TRC Project No.:	164560-0530-0001
TRC Project Manager:	Don LePage
Asbestos Project Monitor:	Thomas Martin (LIC #000015)
Asbestos Inspector:	Gregory Kaczynski (LIC #000550) Thomas Martin (LIC #000014) Michael Kostruba (LIC #000694) Patrick McNally (LIC #000691)
Lead Inspector:	Elise Barrieau (LIC #002214)
Date of Inspection:	6/29/09
Asbestos Identified:	Yes
Lead Based Paint Identified:	Yes, however all XRF readings tested <1.0 mg/cm^2

Additional Notes:

The site investigation was limited to the collection and analysis of suspect asbestos-containing materials and lead based paint from the first floor interior and exterior areas of the Hamden DMV.

PROJECT : BI-MM-041
ADDENDUM No. 1
PAGE 14 OF 40

TABLES

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 15 OF 40

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
01	Main waiting area	CT1-2'x4' wormhole/pinhole ceiling tile	ND<1%
02	Driver testing area	CT1-2'x4' wormhole/pinhole ceiling tile	ND<1%
03	Break room 1	CT1-2'x4' wormhole/pinhole ceiling tile	ND<1%
04	Utility room 2	CT2-2'x4' light textured pinhole ceiling tile	ND<1%
05	Stairwell 2 entry	CT2-2'x4' light textured pinhole ceiling tile	ND<1%
06	Men's bathroom	CT2-2'x4' light textured pinhole ceiling tile	ND<1%
07	Driver testing area	SHRK1-sheetrock	ND<1%
		JC-tan joint compound	ND<1%
08	Registration area	SHRK1-sheetrock	ND<1%
		JC-tan joint compound	ND<1%
09	Break room 1	SHRK1-sheetrock	ND<1%
		JC-tan joint compound	ND<1%
10	Main waiting area	SHR2-sheetrock panels	ND<1%
11	Driver testing area	SHR2-sheetrock panels	ND<1%
12	Driver testing waiting area	SHR2-sheetrock panels	ND<1%
13	Men's bathroom	GR1-grey grout between/under ¾" ceramic floor tile	ND<1%
14	Men's bathroom	GR1-grey grout between/under ¾" ceramic floor tile	ND<1%
15	Women's bathroom	GR1-grey grout between/under ¾" ceramic floor tile	ND<1%
16	Women's bathroom	GR2-white grout under white ceramic wall base	ND<1%
17	Women's bathroom	GR2-white grout under white ceramic wall base	ND<1%
18	Men's bathroom	GR2-white grout under white ceramic wall base	ND<1%
19	Men's bathroom	GR3-white grout on top of white ceramic wall base	ND<1%
20	Men's bathroom	GR3-white grout on top of white ceramic wall base	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM
NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos
ND<1% Non-detected, less than 1%
NAD No asbestos detected
\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive
1 NOB material; result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
21	Men's bathroom	GR3-white grout on top of white ceramic wall base	ND<1%
22	Stairwell 2 entry	GR4-grey grout between 4"x 4" maroon ceramic tile wall base	ND<1%
23	Stairwell 2 entry	GR4-grey grout between 4"x 4" maroon ceramic tile wall base	ND<1%
24	Stairwell 2 entry	GR4-grey grout between 4"x 4" maroon ceramic tile wall base	ND<1%
25	Stairwell 2 entry	GR5-white grout behind 4"x 4" maroon ceramic tile wall base	ND<1%
26	Stairwell 2 entry	GR5-white grout behind 4"x 4" maroon ceramic tile wall base	ND<1%
27	Stairwell 2 entry	GR5-white grout behind 4"x 4" maroon ceramic tile wall base	ND<1%
28	Main waiting area-window sill	GR6-red grout between 6"x6" ceramic tile	ND<1%
29	Main waiting area-window sill	GR6-red grout between 6"x6" ceramic tile	ND<1%
30	Main waiting area-window sill	GR6-red grout between 6"x6" ceramic tile	ND<1%
31	Main waiting area-window sill	GR7-grey grout under 6"x6" ceramic tile	ND<1%
32	Main waiting area-window sill	GR7-grey grout under 6"x6" ceramic tile	ND<1%
33	Main waiting area-window sill	GR7-grey grout under 6"x6" ceramic tile	ND<1%
34	Stairwell 2 entry	FD1-white insulation in wood fire door	90% amosite
35	Stairwell 2 entry	FD1-white insulation in wood fire door	NA/PS
36	Driver testing area – room 1	TP1-transite panel above windows	30% chrysotile
37	Driver testing area – room 1	TP1-transite panel above windows	NA/PS
38	Men's bathroom – above ceiling	DTS1-grey duct sealant on seams	ND<1%[1]
39	Men's bathroom – above ceiling	DTS1-grey duct sealant on seams	ND<1%
40	Driver testing waiting area	VFT1-1.5'x1.5' vinyl floor tiles (beige & green)	Trace chrysotile[1+]
		White mastic associated with VFT1	10% chrysotile

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM
NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos
ND<1% Non-detected, less than 1%
NAD No asbestos detected
\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive
1 NOB material; result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
41	Driver testing waiting area	VFT1-1.5'x1.5' vinyl floor tiles (beige & green)	ND<1%
		White mastic associated with VFT1	NA/PS
42	Stairwell 1	ST1-tan vinyl stair tread	ND<1%[1]
		Brown glue associated with ST1	Trace chrysotile[1]
43	Stairwell 1	ST1-tan vinyl stair tread	ND<1%
		Brown glue associated with ST1	ND<1%
44	Driver testing area	CB1-3" brown covebase	ND<1%
		Brown glue associated with CB1	ND<1%
45	Driver testing area	CB3-3" brittle, brown covebase	ND<1%[1]
		Brown glue associated with CB3	ND<1%[1]
46	Driver testing area	CB3-3" brittle, brown covebase	ND<1%
		Brown glue associated with CB3	ND<1%
47	Driver testing waiting area	CB4-3" tan covebase (do not analyze glue)	ND<1%[1]
48	Main waiting area	CB4-3" tan covebase (do not analyze glue)	ND<1%
49	Driver testing area-above drop ceiling	PC1-red brittle penetration caulk	ND<1%
50	Driver testing area-above drop ceiling	PC1-red brittle penetration caulk	ND<1%
51	Driver testing area-above drop ceiling	PC2-tan putty-like penetration caulk	ND<1%
52	Driver testing area-above drop ceiling	PC2-tan putty-like penetration caulk	ND<1%
53	Main waiting area	SC1-white sink undercoating	ND<1%
54	Main waiting area	SC1-white sink undercoating	ND<1%
55	Main waiting area	SC1-white sink undercoating	ND<1%
56	Driver testing area	G1-yellow carpet glue	ND<1%
57	Registration area	G2-yellow carpet glue	ND<1%
58	Driver testing area	G3-cream glue behind CB1	Trace chrysotile[1]
59	Driver testing area	G3-cream glue behind CB1	ND<1%
60	Driver testing area	G4-beige glue behind SHR2 panels	ND<1%[1]
61	Driver testing area	G4-beige glue behind SHR2 panels	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM
NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos
ND<1% Non-detected, less than 1%
NAD No asbestos detected
\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive
1 NOB material; result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
62	Driver testing waiting area	G5-light brown glue behind stain wall panel	2.35% chrysotile[1]
63	Driver testing waiting area	G5-light brown glue behind stain wall panel	ND<1%
64	Main waiting area	G6-yellow glue under teller counter formica walls	ND<1%[1]
65	Main waiting area	G6-yellow glue under teller counter formica walls	ND<1%
66	Stairwell 1	G7-brown glue behind white wall panel (on wood studs)	ND<1%[1]
67	Stairwell 1	G7-brown glue behind white wall panel (on wood studs)	ND<1%
68	Stairwell 1	G8-maroon residual glue on door frame	3% chrysotile
69	Stairwell 1	G8-maroon residual glue on door frame	NA/PS
70	Stairwell 1 – middle stair landing	G9-black residual mastic under VFT1	20% chrysotile
71	Stairwell 1 – middle stair landing	G9-black residual mastic under VFT1	NA/PS
72	Registration area	G10-yellow glue behind CB1	ND<1%[1]
73	Registration area	G10-yellow glue behind CB1	ND<1%
74	Main waiting area-window sill (on wood only)	G11-yellow glue under 4"x4" ceramic tile	ND<1%[1]
75	Main waiting area-window sill (on wood only)	G11-yellow glue under 4"x4" ceramic tile	ND<1%
76	Stairwell 1 - exterior	WG1-exterior black window glaze on large window walls	ND<1%[1]
77	Stairwell 1 - exterior	WG1-exterior black window glaze on large window walls	ND<1%
78	Registration area	WG2-interior grey putty window glaze	15% chrysotile
79	Registration area	WG2-interior grey putty window glaze	NA/PS
80	VOID	--	--
81	VOID	--	--
82	Driver testing area-room 1	DWG1-cream window door glaze on large single pane wood door	2.65% anthophyllite[1]
83	Office manager's office	DWG1-cream window door glaze on large single pane wood door	ND<1%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM
NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos
ND<1% Non-detected, less than 1%
NAD No asbestos detected
\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive
1 NOB material; result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Sample No.	Sample Location	Homogeneous Material	% and Type Asbestos
84	Men's bathroom	C1-white caulk between sink and wall	ND<1%[1]
85	Men's bathroom	C1-white caulk between sink and wall	ND<1%
86	Exterior of stairwell 2	C4-exterior brown door caulk	ND<1%[1]
87	Exterior of stairwell 2	C4-exterior brown door caulk	ND<1%
88	Stairwell 1 door - exterior	C5-exterior brown caulk on doors & windows	Trace chrysotile[1]
89	Stock room double doors - exterior	C5-exterior brown caulk on doors & windows	ND<1%
90	Exterior of stairwell 1	C6-white caulk on exterior of lower TP1 section on window wall	10% chrysotile 5% anthophyllite
91	Exterior of stairwell 1	C6-white caulk on exterior of lower TP1 section on window wall	NA/PS
92	Exterior window	C7-grey caulk around TP1 panels	Trace chrysotile[1]
93	Exterior window	C7-grey caulk around TP1 panels	ND<1%
1 – 3/10/05	1st floor – Driver Testing area	Mastic associated with FT1	10% chrysotile
		Beige 12"x12" floor tile (FT1)	5% chrysotile
2 – 3/10/05	1st floor – Driver Testing area	Yellow carpet glue (G1)	ND<1%[1]
3 – 3/10/05	1st floor – Driver Testing area	Brown glue associated with CB1	Trace chrysotile[1]
		Brown cove base (CB1)	ND<1%[1]
4 – 3/10/05	1st floor – Personal/DMV teller area	Yellow carpet glue (G2)	ND<1%[1]
5 – 3/10/05	1st floor – Personal/DMV teller area	Brown glue associated with CB2	ND<1%[1]
		Brown cove base (CB2)	ND<1%[1]

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM
NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos
ND<1% Non-detected, less than 1%
NAD No asbestos detected
\+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive
1 NOB material; result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 2
IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Material	Sampled-Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
TP1-transite panel associated with window systems	Sampled 6/09	1st & 2nd floor – part of window system (above and below windows)	Category II Non-friable	Miscellaneous	590 SF
FD1-white insulation in wood fire door	Sampled 6/09	Stairwell 2 entry	Friable	Thermal System Insulation	3 EA
White mastic associated with VFT1	Sampled 6/09	Driver testing waiting area, Main waiting area, Stairwell 1-middle landing	Category I Non-friable	Miscellaneous	5,820 SF
FT1 – 12"x12" beige floor tile & associated mastic	Sampled 3/05	Stock room, Break room 1, Utility room, room 1, Driver testing area, Driver testing waiting area, Main waiting area	Category I Non-friable	Miscellaneous	10,000 SF
G5-light brown glue behind stain wall panel	Sampled 6/09	Driver testing waiting area	Category II Non-friable	Miscellaneous	72 SF
G8-maroon residual glue on door frame	Sampled 6/09	Stairwell 1	Category II Non-friable	Miscellaneous	18 LF
G9-black residual mastic under VFT1	Sampled 6/09	Stairwell 1 – middle stair landing	Category I Non-friable	Miscellaneous	40 SF
WG2-interior grey putty window glaze	Sampled 6/09	Registration area-on wall of office manager's office	Category II Non-friable	Miscellaneous	1 EA
DWG1-cream window door glaze on large single pane wood door	Sampled 6/09	Driver testing area-room 1, Office manager's office, Bookkeeping	Category II Non-friable	Miscellaneous	3 EA
C6-white caulk on exterior of lower TP1 section on window wall	Sampled 6/09	Exterior of stairwell 1 – parking lot side (on TP1 section above doorway)	Category II Non-friable	Miscellaneous	26 LF

TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Material	General Location
CT1-2'x4' wormhole/pinhole ceiling tile	Driver testing area, Main waiting area, Break room 1, Stock room, Registration area, Office manager office
CT2-2'x4' light textured pinhole ceiling tile	Utility room 2, Stairwells, Break room 2, Restrooms,
SHRK1/JC – sheetrock/tan joint compound	Driver testing area, Utility rooms 1 & 2, Registration area, Break rooms 1 & 2, Stock room, Main waiting area, Room 1
SHR2-sheetrock panels	Driver testing area, Driver testing waiting area, Main waiting area, Room 1, Office manager office
GR1-grey grout between/under ¾" ceramic floor tile	Restrooms
GR2-white grout under white ceramic wall base	Restrooms
GR3-white grout on top of white ceramic wall base	Restrooms
GR4-grey grout between 4"x 4" maroon ceramic tile wall base	Stairwell 2 entry, Stairwell 1
GR5-white grout behind 4"x 4" maroon ceramic tile wall base	Stairwell 2 entry, Stairwell 1
GR6-red grout between 6"x6" ceramic tile	Main waiting area-window sill
GR7-grey grout under 6"x6" ceramic tile	Main waiting area-window sill
DTS1-grey duct sealant on seams	Restroom ducts
VFT1-1.5'x1.5' vinyl floor tiles (beige & green)*	Driver testing waiting area, Main waiting area, Stairwell 1
ST1-tan vinyl stair tread & associated brown glue	Stairwell 1
CB1-3" brown covebase & associated brown glue	Driver testing area, Utility room, Stock room, Break rooms 1 & 2
CB3-3" brittle, brown covebase & associated brown glue	Driver testing area
CB4-3" tan covebase (do not analyze glue)	Driver testing waiting area, Main waiting area, Stairwell 2
PC1-red brittle penetration caulk	Driver testing area-above drop ceiling, Men's room
PC2-tan putty-like penetration caulk	Driver testing area-above drop ceiling
SC1-white sink undercoating	Main waiting area
G1-yellow carpet glue	Driver testing area, Stairwells 1 & 2
G2-yellow carpet glue	Registration area, Break room 2, Office manager's office, Bookkeeping
G3-cream glue behind CB1	Driver testing area, Stock room, Break rooms 1 & 2, Utility room
G4-beige glue behind SHR2 panels	Driver testing area, Driver testing waiting area, Registration area, Main waiting area
G6-yellow glue under teller counter formica walls	Main waiting area
G7-brown glue behind white wall panel (on wood studs)	Stairwell 1

TABLE 3 (...continued)
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
HAMDEN DEPARTMENT OF MOTOR VEHICLES
HAMDEN, CONNECTICUT

Material	General Location
G10-yellow glue behind CB1	Registration area, Break room 2
G11-yellow glue under 4"x4" ceramic tile	Main waiting area-window sill (on wood only)
WG1-exterior black window glaze on large window walls	Stairwell 1 – exterior
C1-white caulk between sink and wall	Restrooms
C4-exterior brown door caulk	Exterior of stairwell 2
C5-exterior brown caulk on doors & windows	Stock room double doors – exterior, Stairwell 1 door – exterior, all windows
C7-grey caulk around TP1 panels	Exterior windows

TABLE 4 SUMMARY OF LEAD PAINT XRF MEASUREMENTS HAMDEN DEPARTMENT OF MOTOR VEHICLES HAMDEN, CONNECTICUT					
Structure	**No. of Measurements**	**Calibrations**	**Void**	**Lead Detected**	**No Lead Detected**
1st floor – DMV building	82	9	1	7	65

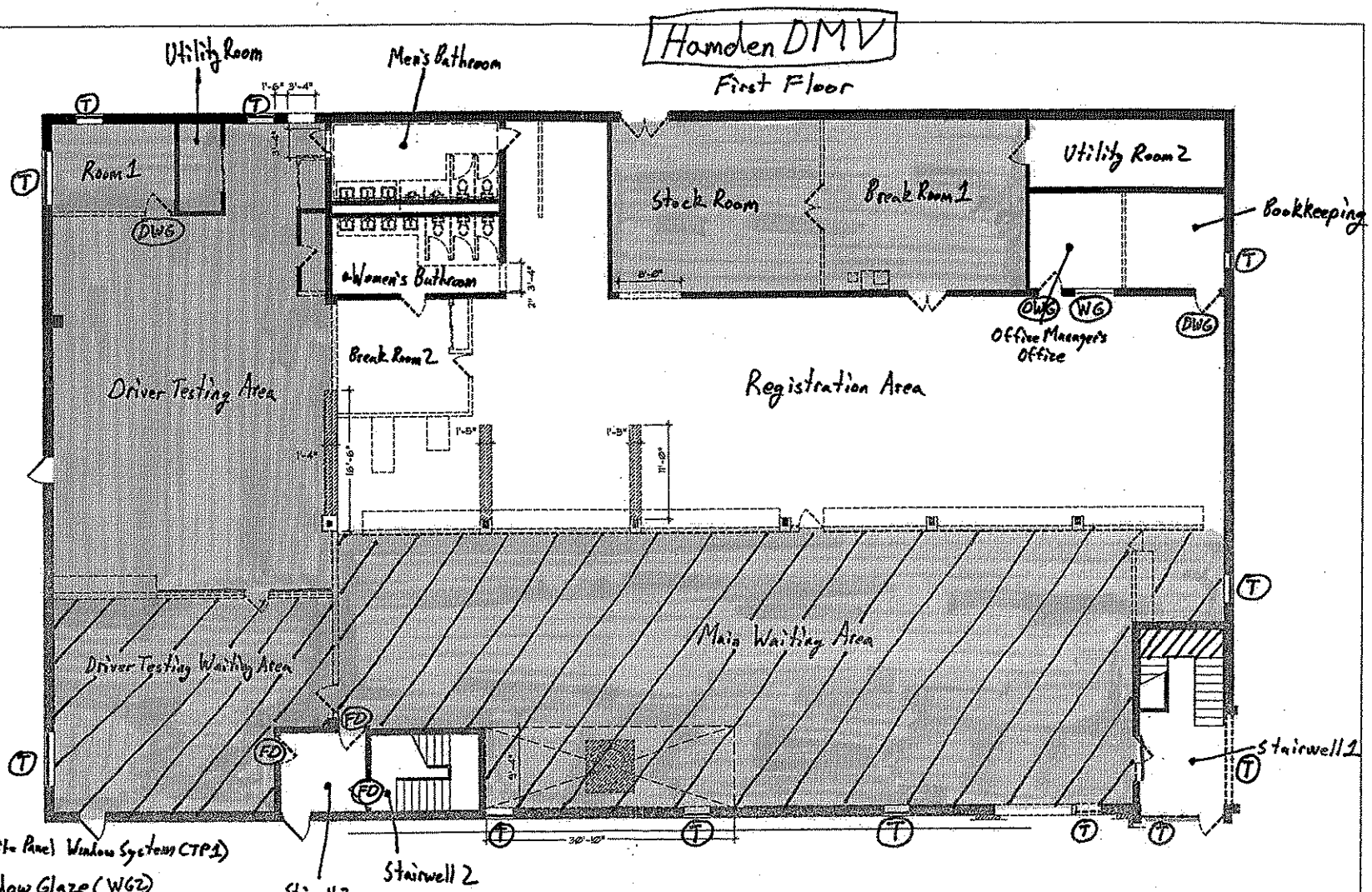
See Lead Paint XRF Measurement Table in Appendix F.

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 24 OF 40

APPENDIX A

SITE SKETCH

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 25 OF 40



DEMOLITION PLAN
SCALE: 1/8" = 1'-0"
SEE L-1 FOR SITE DEMO PLAN

ACM Key

- (T) = Transit Panel Window System (TP1)
- (WG) = Window Glaze (WG2)
- (FD) = Fire Door Insulation (FD1)
- (DWG) = Door Window Glaze (DWG1)
- = White Caulk (C6)
- = Glue (G5+G8)
- = White + Black Mastic Associated with VFT1
- = Floor Tile/Mastic (FT1)

Drawing Title: DEMOLITION PLAN	STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS
REVISIONS	OakPark Architects
Project: RENOVATIONS TO THE HAMDEN DMV	Drawing No. D-2

PROJECT: BI-MM-041
ADDENDUM No. 1
PAGE 26 OF 40

APPENDIX D

PLM LABORATORY ANALYSIS DATA

TRC
Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Public Works

Site: Hamden DMV-1st floor, Hamden, CT
Lab Log #: 37107
Project #: 164560.0530.0001
Date Received: 06/30/09
Date Analyzed: 07/01/09 and 07/02/09

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
01	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
02	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
03	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
04	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
05	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
06	Tan	Yes	No	--	30% cellulose 40% mineral wool	ND<1%	None
07	Tan (joint compound)	No	Yes	1	--	ND<1%	None
07	Grey (sheetrock)	No	Yes	2	10% cellulose	ND<1%	None
08	Tan (joint compound)	No	Yes	1	--	ND<1%	None
08	Grey (sheetrock)	No	Yes	2	10% cellulose	ND<1%	None
09	Tan (joint compound)	No	Yes	1	--	ND<1%	None
09	Grey (sheetrock)	No	Yes	2	10% cellulose	ND<1%	None
10	White	Yes	No	--	10% cellulose	ND<1%	None
11	White	Yes	No	--	10% cellulose	ND<1%	None
12	White	Yes	No	--	10% cellulose	ND<1%	None
13	Grey	Yes	No	--	--	ND<1%	None
14	Grey	Yes	No	--	--	ND<1%	None
15	Grey	Yes	No	--	--	ND<1%	None
16	Grey	Yes	No	--	--	ND<1%	None

17	White	Yes	No	--	--	ND<1%	None
18	White	Yes	No	--	--	ND<1%	None
19	White	Yes	No	--	--	ND<1%	None
20	White	Yes	No	--	--	ND<1%	None
21	White	Yes	No	--	--	ND<1%	None
22	Grey	Yes	No	--	--	ND<1%	None
23	Grey	Yes	No	--	--	ND<1%	None
24	Grey	Yes	No	--	--	ND<1%	None
25	White	Yes	No	--	--	ND<1%	None
26	White	Yes	No	--	--	ND<1%	None
27	White	Yes	No	--	--	ND<1%	None
28	Red	Yes	No	--	--	ND<1%	None
29	Red	Yes	No	--	--	ND<1%	None
30	Red	Yes	No	--	--	ND<1%	None
31	Grey	Yes	No	--	--	ND<1%	None
32	Grey	Yes	No	--	--	ND<1%	None
33	Grey	Yes	No	--	--	ND<1%	None
34	White	Yes	No	--	--	90%	Amosite
35	--	--	--	--	-	NA/PS	--
36	Grey	Yes	No	--	--	30%	Chrysotile
37	--	--	--	--	-	NA/PS	--
38	Grey	Yes	No	--	25% cellulose	ND<1%	None
39	Grey	Yes	No	--	25% cellulose	ND<1%	None
40	White (glue)	No	Yes	1	--	10%	Chrysotile
40	Beige/Green (tile)	No	Yes	2	--	ND<1%	None
41	--	--	--	--	-	NA/PS	--
41	Beige/Green (tile)	No	Yes	2	--	ND<1%	None
42	Brown (glue)	No	Yes	1	--	ND<1%	None
42	Tan (tile)	No	Yes	2	--	ND<1%	None
43	Brown (glue)	No	Yes	1	--	ND<1%	None
43	Tan (tile)	No	Yes	2	--	ND<1%	None
44	Brown (glue)	No	Yes	1	--	ND<1%	None
44	Brown (covebase)	No	Yes	2	--	ND<1%	None
45	Brown (glue)	No	Yes	1	--	ND<1%	None
45	Brown (covebase)	No	Yes	2	--	ND<1%	None
46	Brown (glue)	No	Yes	1	--	ND<1%	None

46	Brown (covebase)	No	Yes	2	--	ND<1%	None
47	Tan	Yes	No	--	--	ND<1%	None
48	Tan	Yes	No	--	--	ND<1%	None
49	Red	Yes	No	--	--	ND<1%	None
50	Red	Yes	No	--	--	ND<1%	None
51	Tan	Yes	No	--	5% cellulose 5% synthetic	ND<1%	None
52	Tan	Yes	No	--	5% cellulose 5% synthetic	ND<1%	None
53	White	Yes	No	--	10% cellulose	ND<1%	None
54	White	Yes	No	--	10% cellulose	ND<1%	None
55	White	Yes	No	--	10% cellulose	ND<1%	None
56	Yellow	Yes	No	--	--	ND<1%	None
57	Yellow	Yes	No	--	--	ND<1%	None
58	Cream	Yes	No	--	--	ND<1%	None
59	Cream	Yes	No	--	--	ND<1%	None
60	Beige	Yes	No	--	--	ND<1%	None
61	Beige	Yes	No	--	--	ND<1%	None
62	Light Brown	Yes	No	--	--	ND<1%	None
63	Light Brown	Yes	No	--	--	ND<1%	None
64	Yellow	Yes	No	--	5% cellulose	ND<1%	None
65	Yellow	Yes	No	--	5% cellulose	ND<1%	None
66	Brown	Yes	No	--	--	ND<1%	None
67	Brown	Yes	No	--	--	ND<1%	None
68	Maroon	Yes	No	--	--	3%	Chrysotile
69	--	--	--	--	--	NA/PS	--
70	Black	Yes	No	--	--	20%	Chrysotile
71	--	--	--	--	-	NA/PS	--
72	Yellow	Yes	No	--	--	ND<1%	None
73	Yellow	Yes	No	--	--	ND<1%	None
74	Yellow	Yes	No	--	--	ND<1%	None
75	Yellow	Yes	No	--	--	ND<1%	None
76	Black	Yes	No	--	--	ND<1%	None
77	Black	Yes	No	--	--	ND<1%	None
78	Grey	Yes	No	--	5% cellulose	15%	Chrysotile
79	--	--	--	--	--	NA/PS	--
80*	--	--	--	--	--	--	--

81*	--	--	--	--	--	--	--
82	Cream	Yes	No	--	--	ND<1%	None
83	Cream	Yes	No	--	--	ND<1%	None
84	White	Yes	No	--	--	ND<1%	None
85	White	Yes	No	--	--	ND<1%	None
86	Brown	Yes	No	--	--	ND<1%	None
87	Brown	Yes	No	--	--	ND<1%	None
88	Brown	Yes	No	--	--	ND<1%	None
89	Brown	Yes	No	--	--	ND<1%	None
90	White	Yes	No	--	--	10% 5%	Chrysotile Anthophyllite
91	--	--	--	--	--	NA/PS	--
92	Grey	Yes	No	--	--	ND<1%	None
93	Grey	Yes	No	--	--	ND<1%	None

NA/PS- Not Analyzed/Positive Stop

*Samples not analyzed per Inspector instructions

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2009. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through August 1, 2010. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyst: Helen Rimsa

QC Analyst: Kathleen Williamson

Reviewed by: _____
Laboratory Analyst

Approved _____
Kathleen Williamson
Signatory: Laboratory Manager

Date Issued: 7/6/09

APPENDIX E

TEM LABORATORY ANALYSIS DATA

ProScience Analytical Services, Inc

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail general@proscience.net

Client #: 297
Client Project: 164560.0530.0001
Client Reference: CT DPW - Hamden DMV - 1st Fl., Hamden, CT
Client Name: TRC Environmental Corp. (CT)

Method: TEM NOB
Batch: NT 11273
Date Analyzed: 7/8/2009
Date Received: 7/6/2009
Date of Report: 7/8/2009

LAB ID	Field ID	Description:	Color	Initial Sample Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed /Charged	Preped/ Charged
					CHR	AMO	ACT	CRO	ANT	TRE						
NT87686	38	Grey duct sealant on seams		.0780	.00	.00	.00	.00	.00	.00	7.05	86.41	6.54	ND	Yes	No
NT87687	40	1.5'x1.5' Vinyl floor tile - beige & green		.1407	.21	.00	.00	.00	.00	.00	41.72	44.21	14.07	TR	Yes	No
NT87688	42G	Brown glue from 42		.1175	.16	.00	.00	.00	.00	.00	31.15	63.23	5.62	TR	Yes	No
NT87689	42	Tan vinyl stair tread		.1434	.00	.00	.00	.00	.00	.00	50.48	43.31	6.21	ND	Yes	No
NT87690	45G	Brown glue from 45		.0694	.00	.00	.00	.00	.00	.00	32.71	55.33	11.96	ND	Yes	No
NT87691	45	3" Brittle, brown covebase		.1562	.00	.00	.00	.00	.00	.00	53.14	35.72	11.14	ND	Yes	No
NT87692	47	Tan covebase		.2372	.00	.00	.00	.00	.00	.00	44.77	23.06	32.17	ND	Yes	No
NT87693	58	Cream glue behind CB1		.0526	.29	.00	.00	.00	.00	.00	4.18	28.33	67.49	TR	Yes	No
NT87694	60	Beige glue behind SHR2 panels		.1255	.00	.00	.00	.00	.00	.00	1.99	24.78	73.23	ND	Yes	No
NT87695	62	Light brown glue behind stain wall panel		.0587	2.35	.00	.00	.00	.00	.00	21.16	72.40	4.09	2.35	Yes	No
NT87696	64	Yellow glue under teller counter formica walls		.0398	.00	.00	.00	.00	.00	.00	18.59	77.14	4.27	ND	Yes	No
NT87697	66	Brown glue behind white wall panel (on wood studs)		.2607	.00	.00	.00	.00	.00	.00	1.07	24.59	74.34	ND	Yes	No
NT87698	72	Yellow glue behind CB1		.0793	.00	.00	.00	.00	.00	.00	2.02	30.77	67.21	ND	Yes	No
NT87699	74	Yellow glue under 4"x4" ceramic tile		.1498	.00	.00	.00	.00	.00	.00	37.25	60.01	2.74	ND	Yes	No
NT87700	76	Exterior black window glaze on large window walls		.0434	.00	.00	.00	.00	.00	.00	17.28	70.05	12.67	ND	Yes	No
NT87701	82	Cream window door glaze on lg single pane wd door		.0532	.00	.00	.00	.00	2.65	.00	15.02	14.10	68.23	2.65	Yes	No
NT87702	84	White caulk between sink and wall		.1769	.00	.00	.00	.00	.00	.00	29.06	29.45	41.49	ND	Yes	No
NT87703	86	Exterior brown door caulk		.1821	.00	.00	.00	.00	.00	.00	4.62	72.21	23.17	ND	Yes	No
NT87704	88	Exterior brown caulk on doors & windows		.9373	.04	.00	.00	.00	.00	.00	7.25	56.72	36.03	TR	Yes	No

PROJECT: BT-MM-041
ADDENDUM NO. 1
PAGE 33 OF 40

ProScience Analytical Services, Inc

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail general@prosclence.net

Client #: 297
Client Project: 164560.0530.0001
Client Reference: CT DPW - Hamden DMV - 1st Fl., Hamden, CT
Client Name: TRC Environmental Corp. (CT)

Method: TEM NOB
Batch: NT 11273
Date Analyzed: 7/8/2009
Date Received: 7/6/2009
Date of Report: 7/8/2009

LAB ID	Field ID	Description:	Color	Initial Sample Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed /Charged	Preped/ Charged
					CHR	AMO	ACT	CRO	ANT	TRE						
NT87705	92	Grey caulk around TP1 panels		.0515	.10	.00	.00	.00	.00	.00	5.25	52.23	42.52	TR	Yes	No

Comments:

Roland Holacsek, Analyst

Asbestos Codes: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

PROJECT: BT-MM-041
ADDENDUM NO. 1
PAGE 34 OF 40

APPENDIX F

LEAD PAINT XRF MEASUREMENT TABLE

Lead Based Paint Measurement Summary Table

Device(s):	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
Site:	Hamden Department of Motor Vehicles, Hamden, Connecticut
Project # :	164560-0530-0001
Date(s):	6/29/2009
Inspector:	Elise Barrieau (State of Connecticut License #002214)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1	1.0 calibration								1.1	0.1	1	24.6	6/29/2009 7:48
2	0.0 calibration								0.0	0.1	1.8	24	6/29/2009 7:51
3	1.6 calibration								1.6	0.2	1	20.5	6/29/2009 7:52
4	Room 1	A	wall		sheetrock	cream	intact	NEG	0.0	0.6	10	13.6	6/29/2009 7:55
5	Room 1	B	wall		sheetrock	cream	intact	NEG	0.0	0.0	1	11.9	6/29/2009 7:58
6	Room 1	C	wall	fiberboard	vinyl	cream	intact	NEG	0.0	0.0	1	21.1	6/29/2009 7:59
7	Room 1	D	wall	fiberboard	vinyl	cream	intact	NEG	0.0	0.1	1.5	12	6/29/2009 8:01
8	Room 1	D	window	ledge	vinyl	lam	intact	NEG	0.0	0.1	3.8	21.8	6/29/2009 8:01
9	Room 1	D	window	sash	metal	brown	intact	NEG	0.0	0.0	1.2	11.9	6/29/2009 8:02
10	Room 1	C	window	sill	wood	brown	intact	NEG	0.0	0.0	1	7.9	6/29/2009 8:02
11	Room 1	B	door		wood	brown	intact	NEG	0.0	0.1	4.2	11.3	6/29/2009 8:03
12	Room 1	B	door	stop	metal	black	intact	NEG	0.0	0.0	1.3	12.7	6/29/2009 8:04
13	Driver test area	C	wall	fiberboard	vinyl	cream	intact	NEG	0.0	0.1	1.5	11.8	6/29/2009 8:05
14	Driver test area	D	wall		sheetrock	white	intact	NEG	0.0	0.1	1	12.1	6/29/2009 8:07
15	Driver test area	C	closet door	casing	wood	black	intact	POS	0.1	0.1	1.4	11.4	6/29/2009 8:08
16	Driver test area	A	wall		sheetrock	white	intact	NEG	0.0	0.0	1	11.8	6/29/2009 8:10
17	Driver test area	A	wall	paneling	wood		intact	NEG	0.0	0.0	1	11.8	6/29/2009 8:11
18	Driver test area	B	partition wall	break room	wood	white	defective	NEG	0.0	0.0	1	9.8	6/29/2009 8:11
19	Driver test area	B	wall		sheetrock	white	intact	NEG	0.0	0.1	1.8	20.9	6/29/2009 8:13
20	Driver test area	-	floor	carpeted	wood		intact	NEG	0.0	0.0	1	15.4	6/29/2009 8:13
21	Driver test area	C	door	jamb	metal	black	intact	NEG	0.0	0.0	1	17.3	6/29/2009 8:14
22	Waiting area	C	window	casing	metal	brown	intact	NEG	0.0	0.1	1.6	17.2	6/29/2009 8:16
23	Waiting area	-	roof supports		metal	grey	intact	NEG	0.0	0.0	1	9.5	6/29/2009 8:18
24	Waiting area	-	roof decking		metal	rust	intact	POS	0.2	0.4	10	55	6/29/2009 8:18
25	Waiting area	D	wall	ledge	wood	black	intact	NEG	0.0	0.1	1.6	23.4	6/29/2009 8:20
26	Men's room	A	wall		concrete	yellow	intact	NEG	0.0	0.1	1.2	12	6/29/2009 8:24
27	Men's room	B	wall		concrete	yellow	intact	NEG	0.0	0.0	1	15.4	6/29/2009 8:24
28	Teller waiting area	A	wall	fiberboard	paneling	white	intact	NEG	0.0	0.0	1.3	13.7	6/29/2009 8:33

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

PROJECT: 31-MM-041
ADDENDUM NO. 1
PAGE 36 OF 40

Lead Based Paint Measurement Summary Table

Device(s):	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
Site:	Hamden Department of Motor Vehicles, Hamden, Connecticut
Project # :	164560-0530-0001
Date(s):	6/29/2009
Inspector:	Elise Barrieau (State of Connecticut License #002214)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
29	Teller waiting area	B	wall		paneling	white	intact	NEG	0.0	0.0	1.3	19	6/29/2009 8:33
30	Teller waiting area	B	window	casing	metal	brown	intact	NEG	0.0	0.1	2	15.3	6/29/2009 8:34
31	Teller waiting area	C	wall	fiberboard	paneling	white	intact	NEG	0.0	0.0	1	9.9	6/29/2009 8:35
32	Teller area	D	wall	fiberboard	paneling	white	intact	NEG	0.0	0.1	2.4	17.4	6/29/2009 8:36
33	**1.0 calibration**								NA		0	19.7	6/29/2009 8:40
34	**0.0 calibration**								1.0	0.1	1	26.4	6/29/2009 8:42
35	**0.3 calibration**								0.0	0.0	1	24.1	6/29/2009 8:43
36	Teller area	-	support beam		plaster	white	intact	**POS**	0.3	0.1	1	20.4	6/29/2009 8:43
37	Teller area	D	wall		concrete	white	intact	NEG	0.0	0.1	2.2	17.3	6/29/2009 8:46
38	Teller area	-	floor	carpeted			intact	NEG	0.0	0.1	1.5	13.7	6/29/2009 8:47
39	Teller area	-	counter doors		lam wood		intact	NEG	0.0	0.0	1	9.9	6/29/2009 8:48
40	Women's room	C	door	stop	metal	black	intact	NEG	0.0	0.1	1.9	14.6	6/29/2009 8:49
41	Lounge	B	wall		sheetrock	white	intact	NEG	0.0	0.0	1.2	9.2	6/29/2009 8:50
42	Lounge	C	wall		sheetrock	white	intact	NEG	0.0	0.1	1.1	11.8	6/29/2009 8:52
43	Lounge	A	closet	wall	sheetrock	cream	intact	NEG	0.0	0.0	1	20.9	6/29/2009 8:52
44	Lounge	-	closet	shelf	wood	cream	defective	NEG	0.0	0.0	1	8.3	6/29/2009 8:53
45	Women's room	B	wall		concrete	yellow	intact	NEG	0.0	0.1	3.9	13.3	6/29/2009 8:53
46	Women's room	D	wall		concrete	yellow	intact	NEG	0.0	0.0	1	11.9	6/29/2009 8:55
47	Teller storage	C	radiator		metal	grey	intact	NEG	0.0	0.0	1	10.2	6/29/2009 8:56
48	Paper storage room	C	wall		concrete	white	intact	**POS**	0.3	0.1	1	7.8	6/29/2009 8:58
49	Paper storage room	D	wall		concrete	white	intact	NEG	0.0	0.0	1.3	15.8	6/29/2009 8:59
50	Paper storage room	D	door		wood	black	intact	NEG	0.0	0.0	1	9.1	6/29/2009 9:04
51	Break room	A	wall		sheetrock	grey	intact	NEG	0.0	0.1	1.5	12	6/29/2009 9:06
52	Break room	B	wall		concrete	grey	intact	NEG	0.0	0.0	1	10.1	6/29/2009 9:07
53	Break room	A	door	casing	metal	black	intact	NEG	0.0	0.0	1	7.4	6/29/2009 9:07
54	Utility room	A	wall		concrete	cream	intact	NEG	0.0	0.1	5.6	11.9	6/29/2009 9:09
55	Utility room	B	shelves		wood	cream	intact	NEG	0.0	0.0	1	13.2	6/29/2009 9:10
56	Utility room	B	shelves	trim	wood	cream	intact	NEG	0.0	0.1	1	8	6/29/2009 9:10

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

PROJECT: BI-MM-041
ADDENDUM No. 1
PAGE 37 OF 40

Lead Based Paint Measurement Summary Table

Device(s):	Niton XL-309 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #U688
	Niton 7007 X Ray Fluorescence (XRF) Spectrum Analyzer, Serial #V1044
Site:	Hamden Department of Motor Vehicles, Hamden, Connecticut
Project # :	164560-0530-0001
Date(s):	6/29/2009
Inspector:	Elise Barrieau (State of Connecticut License #002214)
Ranges:	(NEG<INC<POS): 0.0<0.05<0.05 (OSHA Compliance)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Result	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
57	Utility room	C	wall		sheetrock	white	intact	NEG	0.0	0.0	1	11.7	6/29/2009 9:11
58	Utility room	-	floor		concrete	grey	intact	NEG	0.0	0.1	6.9	13.7	6/29/2009 9:11
59	Y. Velez Santiago	B	door		wood	stain	intact	NEG	0.0	0.1	1	7.8	6/29/2009 9:13
60	Y. Velez Santiago	B	window	casing	wood	black	intact	NEG	0.0	0.1	1	7.6	6/29/2009 9:14
61	Y. Velez Santiago	D	wall	fiberboard	paneling	white	intact	NEG	0.0	0.0	1	8.1	6/29/2009 9:15
62	***VOID***												
63	**1.0 calibration**								1.1	0.1	1	22.9	6/29/2009 9:22
64	**0.0 calibration**								0.0	0.1	3.2	22.6	6/29/2009 9:22
65	**3.5 calibration**								3.3	0.2	1.1	32.2	6/29/2009 9:23
66	Rear stairwell	B	wall		concrete	white	intact	NEG	0.0	0.1	1.9	13.8	6/29/2009 9:25
67	Rear stairwell	-	stair	tread	vinyl	white	intact	NEG	0.0	0.0	1	16.8	6/29/2009 9:27
68	Rear stairwell	-	stair	riser	vinyl	white	intact	NEG	0.0	0.0	1	9.9	6/29/2009 9:27
69	Rear stairwell	-	stair	runner	metal	black	intact	**POS**	0.1	0.0	1	9.6	6/29/2009 9:27
70	Rear stairwell	-	railing		metal	black	intact	NEG	0.0	0.0	1	9.6	6/29/2009 9:28
71	Rear stairwell	-	stair		metal	black	intact	**POS**	0.1	0.1	2	12.3	6/29/2009 9:28
72	Rear stairwell	-	stair	landing	vinyl	black	intact	NEG	0.0	0.0	1	18.6	6/29/2009 9:30
73	Front stairwell	-	stair	tread	vinyl	black	intact	NEG	0.0	0.1	2.1	9.8	6/29/2009 9:32
74	Front stairwell	-	stair	riser	vinyl	black	intact	NEG	0.0	0.0	1	8.1	6/29/2009 9:33
75	Front stairwell	-	stair	runner	metal	black	intact	**POS**	0.1	0.0	1	13.1	6/29/2009 9:33
76	Front stairwell	-	railing		wood	stain	intact	NEG	0.0	0.1	4.3	9.5	6/29/2009 9:34
77	Front stairwell	A	wall		concrete	white	intact	NEG	0.0	0.0	1	10.1	6/29/2009 9:36
78	Front stairwell	B	door	casing	metal	black	intact	NEG	0.0	0.1	1.1	9.9	6/29/2009 9:36
79	Driver test area	-	roof beam		steel	grey	intact	NEG	0.0	0.0	1.4	14.4	6/29/2009 9:51
80	Teller area	-	steel column		steel	grey	intact	NEG	0.0	0.0	1	12.4	6/29/2009 11:36
81	Teller area	-	i-beam		steel	grey	intact	NEG	0.0	0.0	1.1	16.3	6/29/2009 11:37
82	Teller area	-	roof supports		steel	red	intact	NEG	0.0	0.0	1	14.3	6/29/2009 11:37

All XRF readings <0.1 mg/cm2 = Below Detectable Levels (BDL)

Side A = Street side; Sides B,C,D follow clockwise

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 38 OF 40

APPENDIX G

ASBESTOS AIR SAMPLING DATA

PROJECT: BI-MM-041
ADDENDUM NO. 1
PAGE 39 OF 40

TRC
21 Griffin Road North
Windsor, CT 06095
860-298-9692

Edition: April 2008
Supersedes Previous Edition

AIR SAMPLE ANALYSIS REPORT

Project No.: 164560-0530-0001 Date: 7/13/09 Page 1 of 1

Client: DPW

Site: Dowden DMV

Address: 1985 State St
Dowden, CT

Sampler Print: Tom Martin Signature: Tom Martin Date: 7/13/09

Analyst Print: Helen Rimsa Signature: Helen Rimsa Date Analyzed: 7/16/09

QC Analyst Print: Helen Rimsa Signature: Helen Rimsa Date Analyzed: 7/16/09

Lab Supervisor Print: K Williamson Signature: [redacted] Date Issued: 7/16/09

Contact/Name: _____ Phone: _____ Rotometer No.: L-20 Date of Calibration: 5/4/09 Lab No. 37164

Relative Standard Deviation (Sr)		
Range Fibers/fields	Intra-lab Sr	Inter-lab Sr
<20/100	0.369	0.608
20.5 to 50/100	0.296	0.502
>50/100	0.205	0.454

Microscope No. _____ Received in Lab for Analysis: ☒ QC Only: ☐

Sample Type: PCM ☒ TEM ☐ Other: _____ Analysis Method: NIOSH 7400 ☒ Issue 2 8/15/94 AHERA ☐ Other: _____

Type of Sample: 1. Background 2. Prep. 3. Work Area 4. Environmental 5. Personal 6. Clearance

Sample No.	1	2	3				
Sampling Location/Comments	inside pop-up @ drilling site	O/S W.A.	FB.				
Type of Sample	3	4					
Pump Number							
Start Time/Stop Time	0850 / 1023	0850 / 1023					
Total Time (min)	93 ✓	93 ✓					
Flow Rate	2.5 / 2.5	2.5 / 2.5					
Total Volume (l)	232.5 ✓	232.5 ✓					
FB — BFB / FL — BFL	4/100	4/100	0/100				
Filter Fiber Conc. (fibers/mm²)	1.3 ✓	1.3 ✓	— ✓				
Airborne Fiber Conc. (fibers/cc)	ND<0.002 ✓	ND<0.0012 ✓	— ✓				

STANDARDS
≤0.01 f/cc – EPA Re-Occupancy Clearance Criteria
0.10 f/cc – OSHA Permissible Exposure Limit (8 hr. TWA)
1.0 f/cc – OSHA 30 min Excursion Level
ND< – Non Detected, less than the limit of detection
Limit of Detection – 5.5 fibers/100 fields

Relinquished by: Tom Martin Date 7/15/09 Time _____
Received By: _____ Date _____ Time _____
Relinquished by: _____ Date _____ Time _____
Received by Laboratory: Helen Rimsa Date 7/15/09 Time 1530

TRC Laboratory Asbestos Analytical Certifications:
CT#PH-0426 MA#AA000052 NY#10980 RI#AAL-007C3
ME#LB-0071 VA#3333000283 TX#300354 VT#AL014538
AIHA/PAT#100122

Condition of Sample: OK
Acceptable: Y ✓ N _____
Comments: _____

QC Recount

Sample No.	FB/FL	Analyst/Date	Field/Lab

Results relate only to the samples tested, as received by the laboratory. Verifiability of the laboratory's results is limited to the FB/mm².

PROJECT: BI-MM-041 ADDENDUM No. 1 PAGE 40 OF 40

INVITATION TO BID

FOR PROJECTS ESTIMATED TO COST MORE THAN $500,000.00

ADV. NO.: 10-19 ADV. DATE: January 8, 2010

SEALED BIDS FROM CONTRACTORS WHO HAVE BEEN PREQUALIFIED IN THE DAS CLASSIFICATION NOTED BELOW SHALL BE ADDRESSED TO THE DEPARTMENT OF PUBLIC WORKS - STATE OF CONNECTICUT FOR:

Project Title:	Renovations To The Hamden DMV 1985 State Street Hamden, CT
Project Number:	BI-MM-41
DAS Classification:	Group B – General Building Construction
Special Requirement:	N/A
Cost Estimate Range:	$2,101,000. – $2.322,000.
Plans & Specs Ready Date:	January 13, 2010
A NON-REFUNDABLE FEE OF PER SET IS REQUIRED	$90.00 Checks should be made payable to "Treasurer, State Of Connecticut" and should include the prospective bidder's correct mailing address, telephone and fax numbers of where addendum(a) should be submitted. USE A SEPARATE CHECK FOR EACH PROJECT.
Examination or Purchase of Plans & Specs	at the State Of Connecticut, Department Of Public Works, Plans And Specifications Section, Room No. G-36, 165 Capitol Avenue, Hartford, CT 06106, during the hours of 7:30 A.M. to 3:00 P.M. (Monday-Friday) or by addressing a request to the above address.
Pre-Bid Conference:	All prospective bidders are encouraged to attend a pre-bid conference
Pre-Bid Conference Time	to be held AT 9:00 A.M.
Pre-Bid Conference Date	ON January 20, 2010
Pre-Bid Conference Location	AT 1985 State Street, Hamden, CT, 2nd Floor of DMV Office.
Pre-Bid Conference Contact	Willie Ramirez
BID OPENING DATE:	February 10, 2010
Receipt of Bid Package	Bids will be received at the State Office Building, 165 Capitol Avenue, Hartford, CT, 06106 in Room No. G-36 UNTIL 1:00 P.M. on the date shown above and thereafter publicly opened and read aloud in Room No. G-32.
Bid Results:	Bid results are posted on the DPW Website in approximately two (2) days after the bid opening date.

Set-Aside Participation	25%
Including MBE/WBE	6.25%
Gift And Campaign Contribution Certification	If awarded the subject contract and the contract has a value of $50,000 or more the contractor will be required to sign and submit, at the time of contract execution, a Gift And Campaign Contribution Certification. See the DPW home page, http://www.ct.gov/dpw, click on Affidavits. For the purposes of signing the Certification, the "date DPW began planning" the subject project or services is such date noted below.
Date DPW Began Planning the Subject Project:	11/30/06
Summary and Affidavit Regarding State Ethics	Any one seeking a contract with a value of more than $500,000 shall provide with their bid an Ethics Affidavit *located* at CT DPW Website (www.ct.gov/dpw). Failure to provide this affidavit with the bid proposal shall result in rejection of the bid.
Bid Security	As security, *each* bid must be accompanied by a CERTIFIED CHECK made payable to "Treasurer, State of Connecticut," or the bid must be accompanied by a BID BOND, in the form required by the awarding authority and having surety thereto such Surety Company or Companies as are authorized to do business in this State and/or accepted by the Commissioner of the Department of Public Works for an amount not less than 10% of the bid.
Bidders are advised that *both* the DEPARTMENT OF ADMINISTRATIVE SERVICES PREQUALIFICATION CERTIFICATE and UPDATE STATEMENT must accompany the *bid* proposal for projects *estimated* to *exceed* Five Hundred Thousand Dollars ($500,000.00) (C.G.S. 4b-91 as amended). *Failure to supply them with the bid will result in rejection of the bid*	
Department of Administrative Services (DAS) Contractor Prequalification Program: http://www.das.state.ct.us/busopp.asp	
To access Executive Orders: http://www.ct.gov/governorrell/cwp/browse.asp?a=1719&bc=0&c=18433	
To access the Department of Public Works Web Site: http://www.ct.gov/dpw	

Performance and Labor and Material Bonds to be furnished by the bidder awarded the contract shall be an amount not less than 100% of the contract price.

The Commissioner reserves the right to do any of the following without liability, including but not limited to: (a) waive technical defects in the bid proposal as he or she deems best for the interest of the State; (b) negotiate with a contractor in accordance with Connecticut General Statutes Section 4b-91;(c) reject any or all bids; (d) cancel the award or execution of any contract prior to the issuance of the "Notice To Proceed;" and, (e) advertise for new bids.

Nonresident contractors: At the time of contract signing a certificate from the Commissioner of Revenue Services must be provided which evidences that C.G.S. 12-430 for non-resident contractors has been met. For details call the Department of Revenue Services at (860) 541-3280, ext. 7.

EXECUTIVE ORDERS:

The Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency shall provide a copy of these orders to the Contractor. The Contract may also be subject to Executive Order No. 7C of Governor M. Jodi Rell, promulgated July 13, 2006, concerning contracting reforms and Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services, in accordance with their respective terms and conditions.

This contract is subject to the provisions of the Department of Public Works Sexual Harassment Policy ("Policy") and, as such, the contract may be canceled, terminated, or suspended by DPW for violation of or noncompliance with said Policy. Said document is hereby incorporated herein by reference and made a part hereof as though fully set forth herein. This policy may be found at the Department of Public Works Website at http://www.ct.gov/dpw, under Publications.

All technical questions must be in writing (not phoned or emailed) and faxed to the Architect/Engineer with a copy to the DPW Project Manager listed below.

Architect/Engineer/ Consultant:	OakPark Architects, LLC 312 Park Road West Hartford, CT	Fax No:	860-232-6121
Construction Administrator	OakPark Architects, LLC 312 Park Road West Hartford, CT	Fax No:	860-232-6121
DPW Project Manager:	Fredrick Connolly 165 Capitol Avenue, Rm. 453 Hartford, CT 06106	Fax No:	860-713-7261

All bid questions should be addressed to the Officer listed below.

Associates Fiscal Administrative Officer:	Mellanee Walton 165 Capitol Avenue, Rm. G-35 Hartford, CT 06106	Fax No:	(860) 713-7395

Contract Time Allowed: 364 Calendar Days

Liquidated Damages:	$ 2,042.00	Per Calendar Day beyond Substantial Completion
	$ 930.00	Per Calendar Day beyond ninety (90) days after Substantial Completion

Prevailing Wage Rates: Prevailing wages are required on this project, in accordance with the schedule provided in the bid documents, pursuant to Connecticut General Statutes Section 31-53 (a) through (h), as amended.

Each contractor who is awarded a contract on or after October 1, 2002 shall be subject to provisions of the Connecticut General Statutes, Section 31-55a concerning annual adjustments to prevailing wages.

Wage Rates will be posted each July 1st on the Department of Labor website: www.ctdol.state.ct.us . Such prevailing wage adjustment shall not be considered a matter for any contract amendment.

The wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of section 31-53 of the Connecticut General Statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day.

Procurement
Department of Public Works