

Removal of Thermal System  
Insulation (TSI), Contaminated  
soil and the Construction of a  
Semi-Permanent Containment

Whittier Greenleaf School  
265 Concord Street  
Haverhill, Massachusetts

Project #H-0108 H

**HUB TESTING LABORATORY, INC.**

**Environmental Testing Service**



95 Beaver Street - Waltham, MA 02453  
(781) 893-8330 (781) 893-4414 (fax)

**WHITTIER GREENLEAF SCHOOL, HAVERHILL, MA**

**NOTICE TO BIDDERS**

- Scope of Work:** The Contractor shall furnish all labor, equipment, materials, and accessories necessary for removing the asbestos containing materials at the Whittier Greenleaf School 265 Concord Street Haverhill, MA in accordance with the requirements of the Commonwealth of Massachusetts and all Federal Regulations.
- Bid Pick-up:** The bid package will be available at the Pre-Bid Inspection from Hub Testing Laboratory, Inc., 95 Beaver Street, Waltham, MA on Thursday, December 27, 2007.
- Pre-bid Inspection:** A Pre-bid Inspection will originate at 3:00 p.m. on Thursday, December 27, 2007 at the Main Lobby of the Whittier Greenleaf School, 265 Concord Street, Haverhill, MA.
- Bid Due Date:** Bids are for the Removal of Asbestos Containing Materials, asbestos contaminated soil, and the construction of a polyethylene sheet containment. The contractor's bid price includes the cost for removal of all asbestos containing materials specified in this project. Bids will be due on Friday, January 4, 2008 at 3:00 p.m. at Hub Testing Laboratory. The three page City of Haverhill, FORM FOR GENERAL BID may be faxed to 781-893-4414 to arrive before that time.
- Certification:** The Contractor must be licensed and certified in the State of Massachusetts as an Asbestos Abatement Contractor in accordance with 453 CMR 6.00 and must provide supporting documentation.
- Representative:** The City of Haverhill has designated the Hub Testing Laboratory, Inc. of 95 Beaver Street, Waltham, MA 02453, as Owners Representative. As the Owner's Representative, Hub Testing Laboratory, Inc.; Tel: (781) 893-8330, Fax: (781) 893-4414 has the power to ascertain the progress of the project and to act for the owner in all phases of contract performance.
- Wages:** Prevailing wage rates are located within the bid document. Under regulation, which is effective as of May 7, 1993, every contractor and subcontractor on Approved School Projects must submit weekly payroll records as a condition of receiving payment for their work. 603 CMR 38.03(2)(k) states "Every contractor and subcontractor working under the terms of any contract for construction on an approved school project shall file weekly payroll records with the awarding authority in the form described in M.G.L. c.149's. 27B. The awarding authority shall withhold payment for any construction work performed on an approved school project for so long as the payroll records for the work performed are not filed with the awarding authority.
- Bonds:** A Bid Bond is not required for this project, however a 100% Performance Bond will be required prior to the start of any work.
- Note:** The asbestos removal work is performed as a "controlled" asbestos abatement and shall conform to all State and Federal regulations.

**CITY OF HAVERHILL, MA**

**FORMAL BID**

NAME OF BIDDER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_




ZIP CODE: \_\_\_\_\_ TELEPHONE NO.: \_\_\_\_\_ FAX NO.: \_\_\_\_\_

BIDDERS FEDERAL or SOCIAL SECURITY IDENTIFICATION NO. \_\_\_\_\_

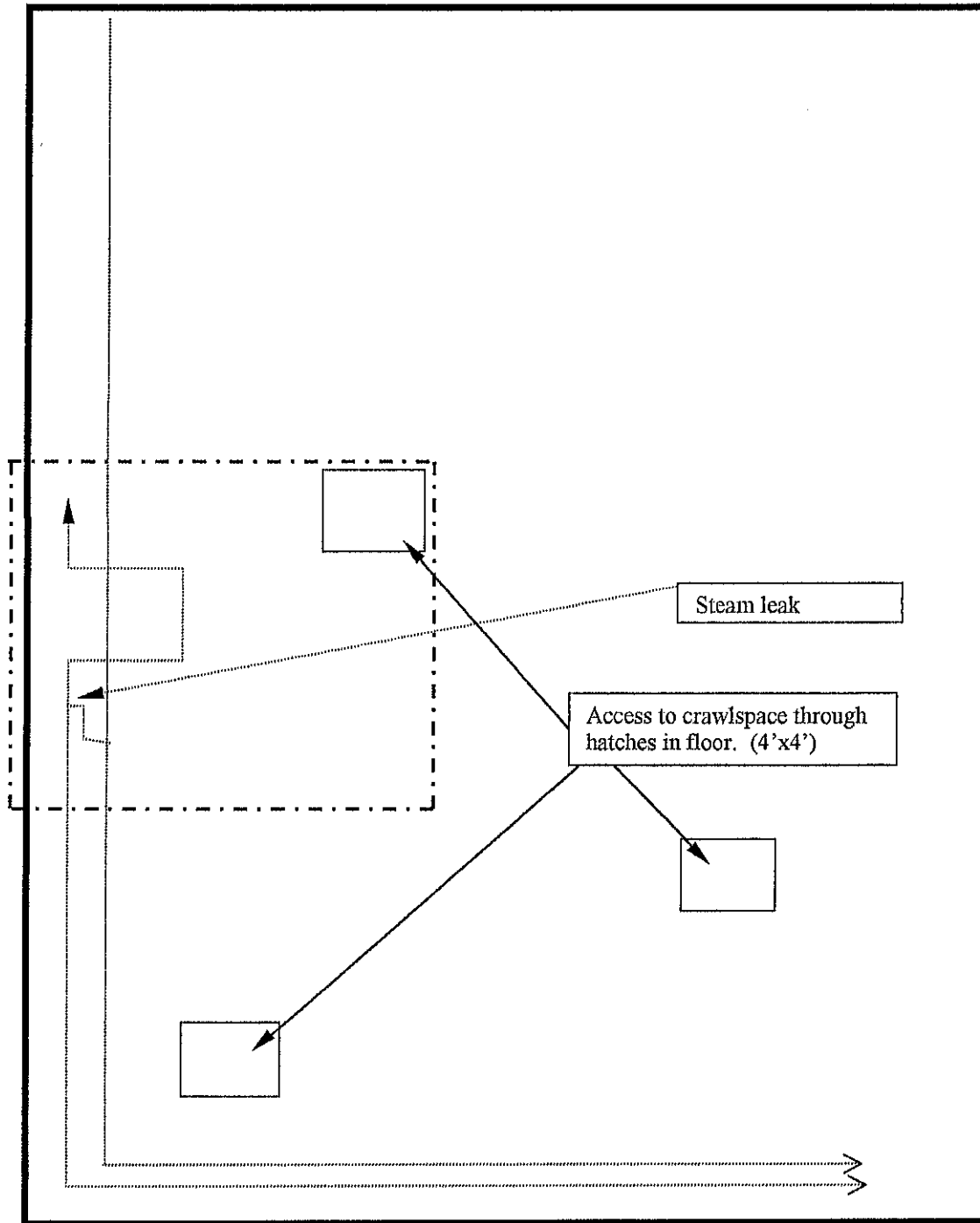
TO CITY OF HAVERHILL MASSACHUSETTS

1. The undersigned firm hereby proposes and agrees to furnish and deliver the material and/or services required by AHERA Regulations and the Commonwealth of Massachusetts Asbestos Abatement Specifications at the price set forth thereon.
2. The undersigned submits this bid for furnishing and delivering as shown. The Contractor declares that its bid is made without collusion with any other person, firm or corporation making any other proposal or who otherwise would make a proposal, and agrees to furnish in strict accordance with the specifications which consist of this bid form and all attached documents and instructions.
3. BID SUBMITTAL - Bids are to be submitted by 3:00 p.m. on Friday, January 4, 2008. Bids may be submitted by faxing to: Hub Testing Laboratory, Inc. Waltham, MA, at (781) 893-4414, telephone number is (781) 893-8330.
4. CERTIFIED CHECK/BID BOND - No bid bond is required with this proposal.
5. REJECTION OF BIDS - The Awarding Authority reserves the right to reject any or all bids to waive any informalities and to negotiate contract terms with the successful bidder and the right to disregard all non-conforming, non-responsive or conditional bids. If the contract is to be awarded, it will be awarded to the lowest responsible and eligible bidder whose evaluation by Owner indicates to Owner that the award will be in the best interests of the project.
6. BOND - Any bidder awarded a contract will be required to furnish a bond executed by a surety company licensed to do business within the Commonwealth of Massachusetts. Such bond shall be in the amount of one hundred percent (100%) of the contract price and conditioned upon the faithful performance of such contract.
7. ASBESTOS ABATEMENT SPECIFICATIONS – AHERA Regulation 40CFR, EPA Asbestos NESHAP 40CFR and Massachusetts 453 CMR 6.00.

8. CONFORMANCE WITH FEDERAL, STATE, LOCAL LAWS - All deliveries shall conform in every respect with all applicable laws of the Federal Government, the Commonwealth of Massachusetts and/or the City of Marlborough.
9. DISCRIMINATION - The Contractor in the performance of all work after award and prior to completion of the contract work will not discriminate on grounds of race, color, religion, national origin, age or sex in employment practices or in the selection retention of subcontractors, and in the procurement of materials and rental of equipment. The Owner may cancel, terminate or suspend the contract in whole or in part for any violation of this paragraph.
10. TAXES - Purchases made by the School District are exempt from the payment of Federal and State taxes and any such taxes must not be included in bid prices. Tax exemption certificate, if required, will be furnished upon request.
11. PATENTS - Whenever the Contractor desires to use any design, device, material, method of operation, or process covered by letters patent or copyright, the entire cost thereof, including royalties, will be paid by the Contractor. The Contractor shall be responsible for any liability on the part of the Owner or Industrial Hygiene Consultant, which may result from violations by the Contractor.

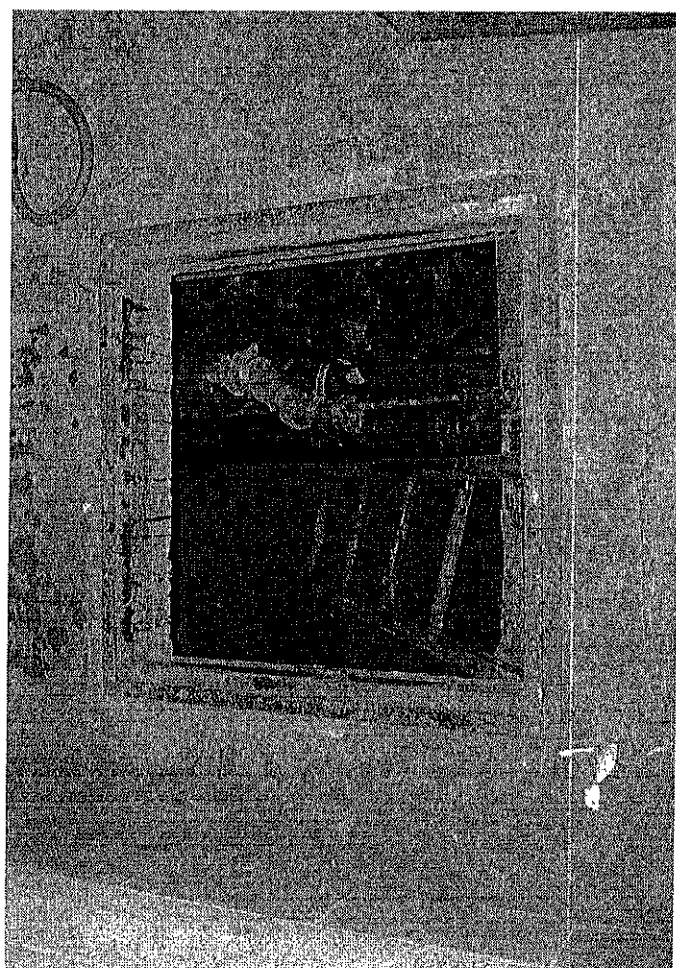
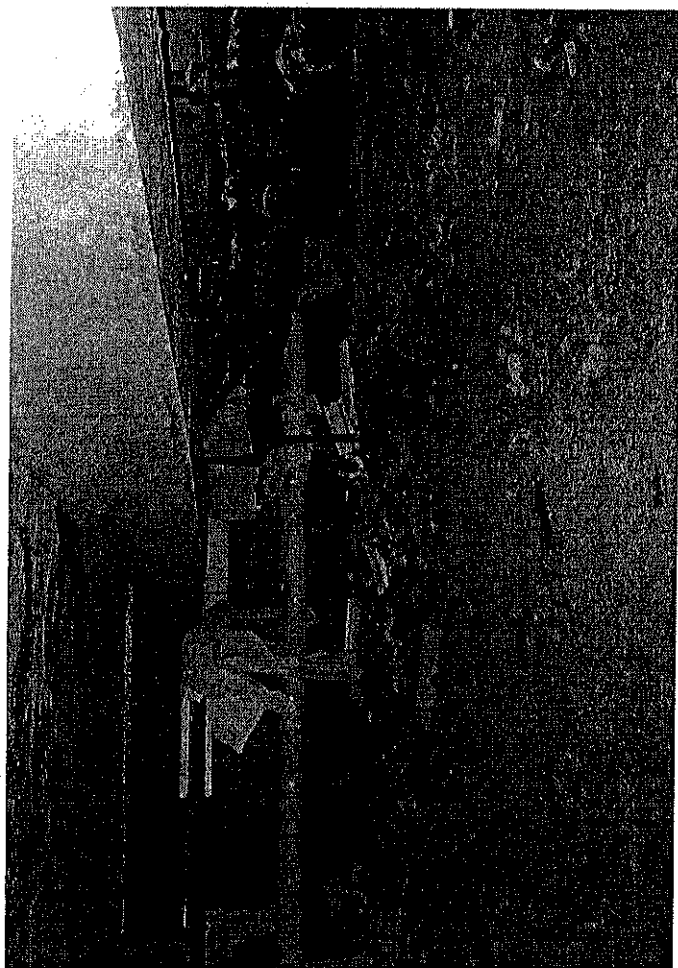
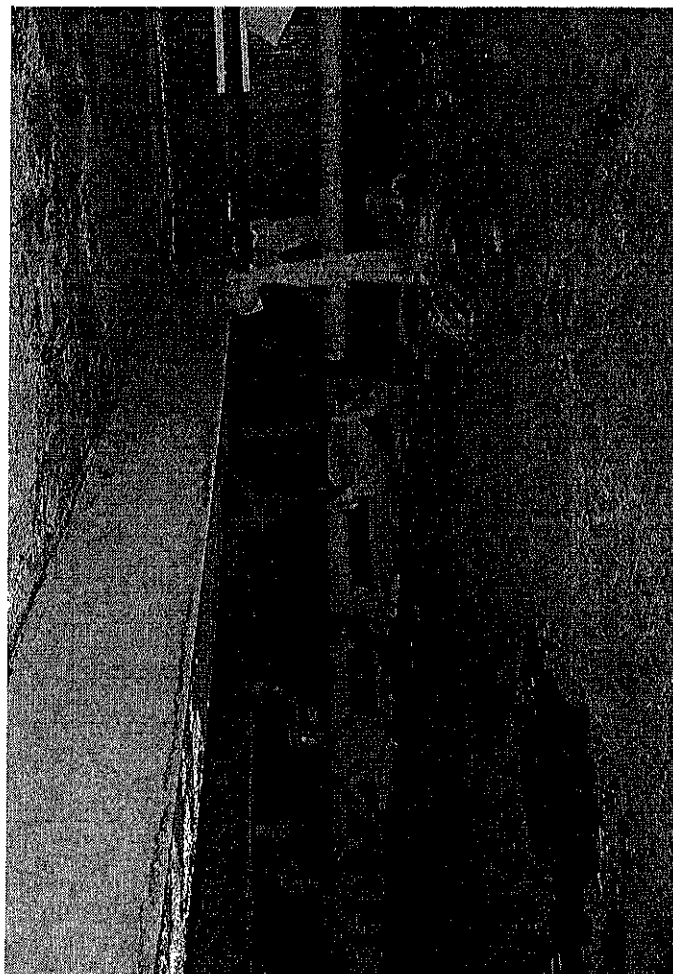
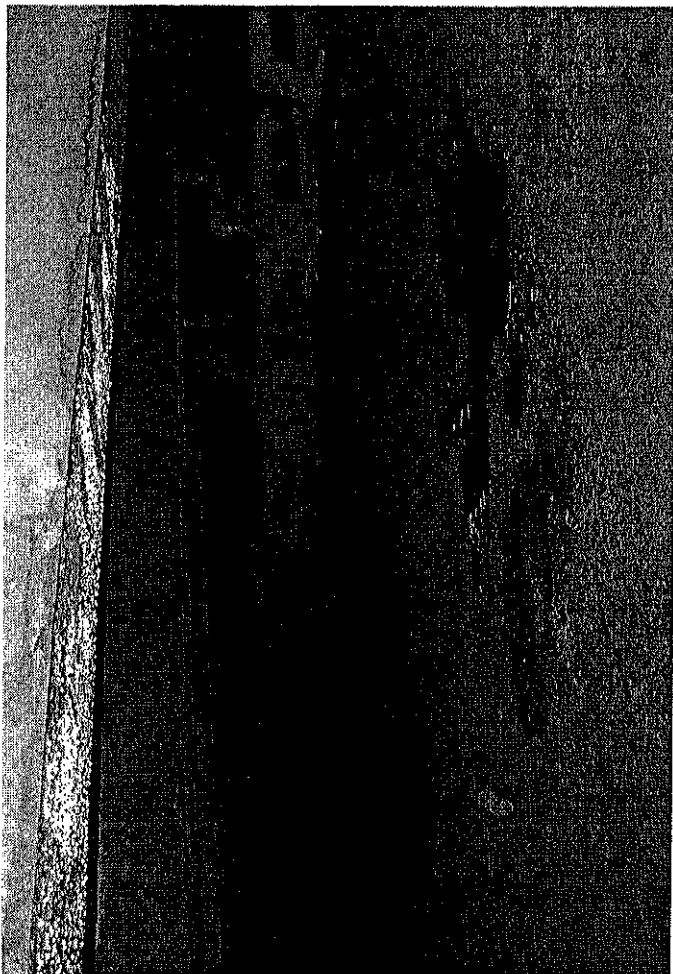
-  Foundation Wall
-  Steam pipe system (TSI/ACM)
-  In place containment wall

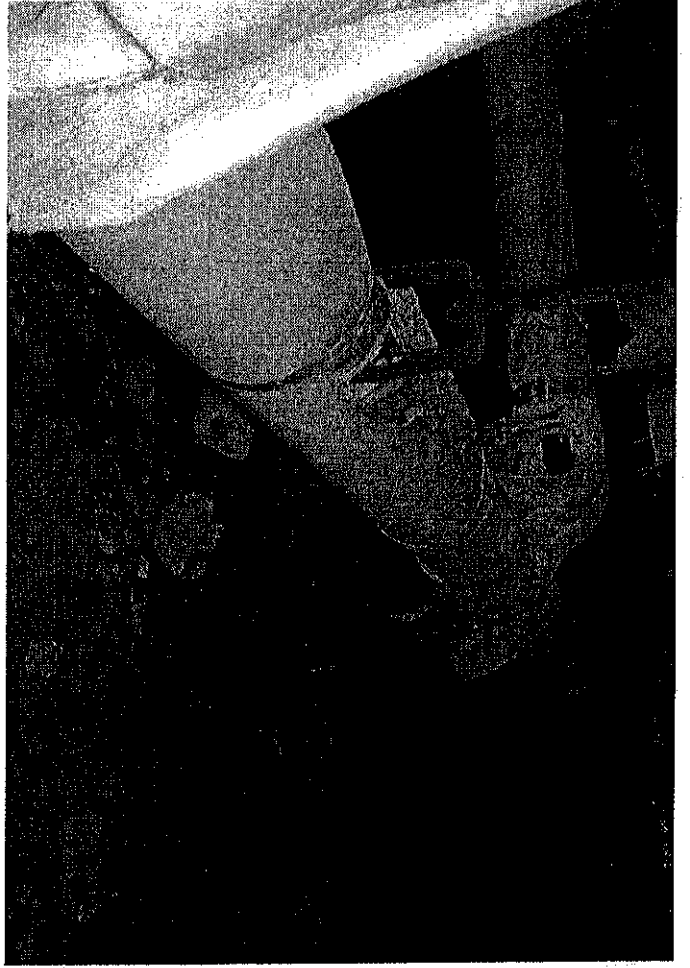
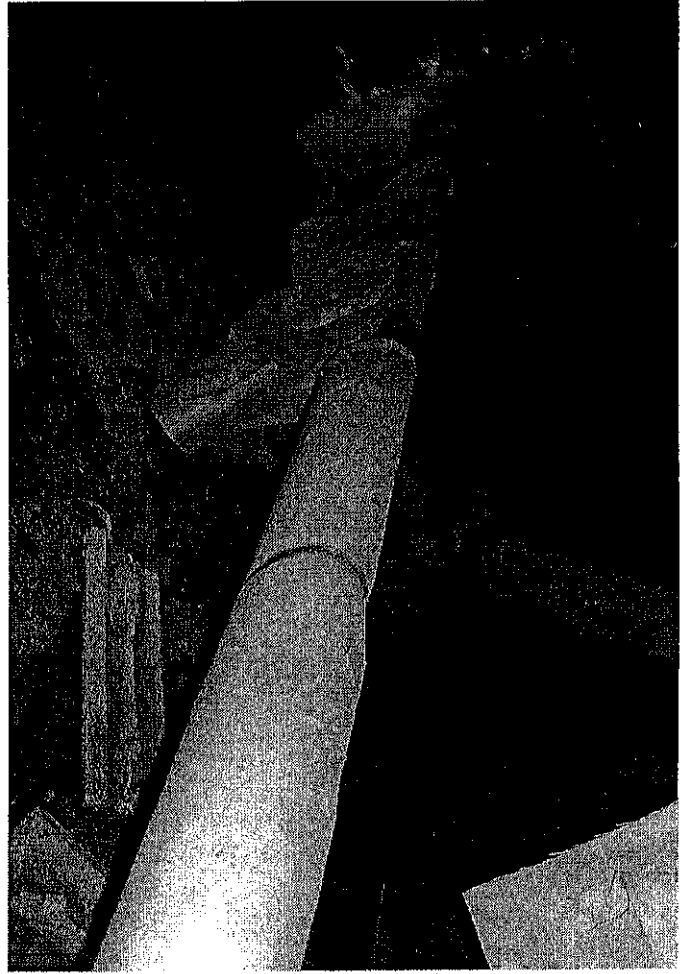
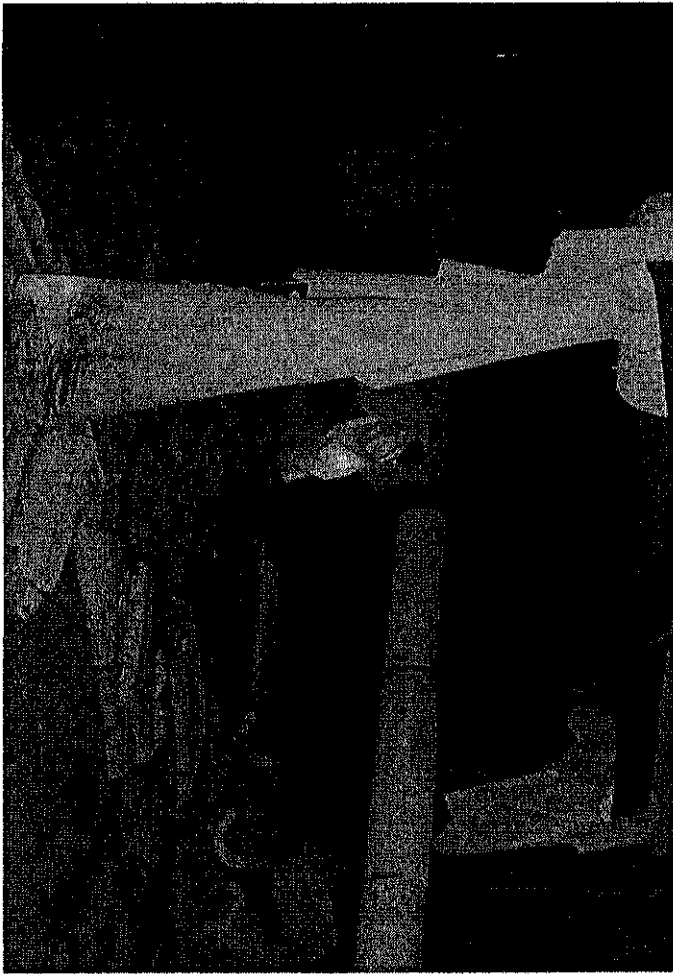
Containment will be approx. 35' x 35'  
 Remove TSI and 1" of soil from inside of containment



Approx. Dimensions of crawls space 140' x 220'

Front of School





## **PART 1 - PROJECT**

### **1.01 SUMMARY OF WORK**

- A. The Contractor shall provide service, labor, materials, equipment, insurance and supervision to build a semi-permanent polyethylene containment and for the proper removal of asbestos containing materials, soil, and decontamination in the crawlspace of the Whittier Greenleaf School, Haverhill, MA.
  - 1. All work shall be performed in accordance with all OSHA, EPA, DEP, NESHAP, NIOSH, DLWD and any local regulations governing the removal of asbestos containing materials.
  - 2. The Contractor is responsible for protection of any non-ACM materials and coverings within a work area from contamination unless designated otherwise for removal and disposal.
  - 3. It is the contractors responsibility to fully clean all surfaces in each and every work area, The Contractor will apply an encapsulant as a "lock down" agent to the abated surfaces.
- B. This Contract is being performed as a major abatement project. All work shall be performed in close coordination with the City's Representative and the School Department.
- C. All Asbestos Abatement works must be notified to Regulatory Agencies and scheduled well in advance of the start up date. Delays by the Asbestos Abatement Contractor will have significant impact on the school schedule.

#### **1.01.1 BARRIER**

- A. Construction of a polyethylene containment approximately (35) foot by (35) foot wide to isolate the area of asbestos abatement.
- B. Leave the barrier in place as a semi-permanent containment for further maintenance work by others.

### **1.02 SUMMARY OF TASKS**

- A. This section covers the furnishing of all labor, materials, facilities, equipment, services, employee training and testing, permits and agreements necessary to perform the work required for asbestos removal in accordance with these specifications, EPA, OSHA, and any other applicable federal, state and local governments regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable.



**B. Description of Work:**

Perform the work and provide the services as follows:

1. Pre-abatement inspection.
2. Work area preparation.
3. Trained workers with respiratory protection and medical examination.
4. Packing material, packaging, labeling, transporting and disposal of contaminated material, including waste shipment record.
5. Decontamination of work area for final inspection and testing.
6. Provide access, support and protection to all authorized visitors and inspectors.

**1.03 AUTHORITY TO STOP WORK**

- A. The Owner and/or Owner Retained Industrial Hygienist (I.H.) has the authority to stop the abatement work whenever the work conditions are considered a Safety Hazard or at any time the I.H. determines either personally or through the Owner's Representative that conditions are not within the specifications and applicable regulations. The stoppage of work shall continue until conditions have been corrected and steps have been taken to the satisfaction of the Owner. Standby time required to resolve violations shall be at the Asbestos Contractor's expense.

**1.04 NOTIFICATIONS, PERMITS, WARNING SIGNS, LABELS AND POSTERS**

- A. Secure all the permits required for the work, including disposal of asbestos in an approved landfill prior to the start of work.
- B. Notification:
1. Provide written notification to the EPA at least 10 days in advance of the work start date. This is done by means of the Massachusetts Notification.
  2. Provide Massachusetts DEP and Department of Labor and Workforce Development written notification at least 10 days in advance to the start of work.
  3. Provide written notification to City Agencies such as fire, police, engineering, public health or others as required
- C. Warning Signs: Post the required signage around the workplace and at every point of potential entry from outside, showing the standard wording from OSHA 1926.58. Warning signs shall be bright color so they will be easily noticeable. The size of the sign and the size of the lettering shall be

no less than the OSHA 1926.58 and 1910.145 requirements.

- D. Labels: Provide the required OSHA, EPA and DOT labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.
- E. At the job site provide any other signs, labels, warnings and posted instructions that are necessary to protect, inform and warn people of the hazard from asbestos exposure. Post in a prominent and convenient place for the worker a copy of the latest applicable regulations from OSHA and EPA, and State regulations including OSHA 29 CFR 1926.1101, 1910.1001 and 40 CFR 1, Subpart M.

## **1.05 SUBMITTALS**

### **1.05.1 PRE-START MEETING SUBMITTALS**

Submit to the owner-retained I.H. a minimum of 10 days prior to the start of this project the following for review and approval. Meeting this requirement is a prerequisite for the start for this project.

- A. Submit a detailed work schedule for the entire project reflecting contract documents and the phasing/schedule requirements.
- B. Submit a staff organization chart showing all personnel who will be working on the project and their capacity/function. Provide their qualifications, training, accreditations, and licenses, as appropriate. Provide a copy of the "Certificate of Worker's Acknowledgment" and the "Affidavit of Medical Surveillance and Respiratory Protection: for each person
- C. Submit Standard Operating Procedures developed specifically for this project, incorporating the requirement of the specifications.
- D. Submit the specifics of the materials and equipment to be used for this project with brand names, model numbers, performance characteristics, pictures/diagrams, and number available for the following:
  - 1. Negative air machines, HEPA vacuums, calibration devices, pressure differential monitoring device and emergency power system.
  - 2. Waste water filtration system, shower system, containment barriers.
  - 3. Hand held sprayers, airless sprayers and fire extinguishers.
  - 4. Respirator, protective clothing, personal protective equipment.

5. Fire safety equipment to be used in the regulated area.
- E. Submit the name, location, and phone number of the approved landfill; proof/verification the landfill is approved for ACM disposal; the type of vehicle to be used for transportation; and name, address, and phone number of subcontractor, if used.
- F. Submit copies of the required notifications and arrangements made with regulatory agencies having regulatory jurisdiction and the specific contingency/emergency arrangements made with local health, fire, ambulance, hospital authorities and any other notifications/arrangements.
- G. Personnel to be used for analysis of air and/or bulk samples and verification of the laboratory. Air monitoring must be done in accordance with OSHA 29 CFR 1926.1101 (f).
- H. Submit information on personnel: Copies of certificate, accreditations, and licenses.
  1. Supervisor(s): Number; names; social security numbers.
  2. Workers: Numbers; names; social security numbers; years of abatement experience; certificates, licenses, accreditations; training courses in asbestos abatement and respiratory protection; medical opinion; current respirator fit test.
- I. Submit copies of State license for asbestos abatement; copy of insurance.

## **1.06 RESPIRATORY PROTECTION**

### **1.06.1 GENERAL – RESPIRATORY PROTECTION PROGRAM**

The Contractor shall develop and implement a Respiratory Protection Program (RPP) which is in compliance with the January 8, 1998 OSHA requirements found at 29 CFR 1926.1101 and 29 CFR 1910.132;134. All respirators used must be NIOSH approved for asbestos abatement activities. The written respiratory protection shall, at a minimum, contain the basic requirement found at 29 CFR 1910.134 (1) (i – ix) – Respiratory Protection Program.

### **1.06.2 RESPIRATOR FIT TEST**

All personnel wearing respirators shall have a current qualitative/quantitative fit test which was conducted in accordance with 29 CFR 1910.134 (f) and Appendix A. Quantitative fit tests shall be done for PAPR's which have been put into a failure mode.

### **1.06.3 RESPIRATOR FIT CHECK**

The Contractor shall assure that the positive/negative fit check is done each time the respirator is donned by an employee. Headcoverings must cover respirator headstraps. Any situation that prevents an effective facepiece to face seal as evidenced by failure of a fit check shall preclude that person from wearing a respirator until resolution of the problem.

### **1.07 MEDICAL EXAMINATIONS**

Medical examinations meeting the requirement of 29 CFR 1926.1102 (m) shall be provided for all personnel working in the regulated area, regardless of exposure levels. A current physician's written opinion as required by 29 CFR 1926.1101 (m) (4) shall be provided for each person and shall include in the opinion the person has been evaluated for working in an asbestos environment, wearing a respirator and is capable of performing the work.

#### **1.07.1 MEDICAL WRITTEN OPINION**

No employee shall be allowed to wear a respirator unless a physician has determined they are capable of doing so and has issued a current written opinion for that person.

### **1.08 DECONTAMINATION FACILITIES**

#### **1.08.1 DESCRIPTION**

Provide the regulated are with personnel (PDF) and waste/equipment decontamination facilities (W/EDF). Ensure that the PDF are the only means of ingress and egress to the regulated area and that all equipment, bagged waste, and other material exit the regulated area only through the W/EDF.

#### **1.08.2 GENERAL REQUIREMENTS**

All personnel entering or exiting a regulated are must go through the PDF and shall follow the requirements at 29 CFR 1926.1101 (j) (1) and these specifications. All Waste, equipment and contaminated materials must exit the regulated area through the W/EDF and be contaminated in accordance with these specifications. Walls and ceilings of the PDF and W/EDF must be constructed of a minimum of 3 layers of 6 mil opaque fire retardant polyethylene sheeting and be securely attached to existing building components and/or an adequate temporary framework. A minimum of 3 layers of 6 mily poly shall be used to cover the floor under the PDF and W/EDF units. Construct doors so that they overlap and secure to adjacent surfaces.

## **PART 2 - EXECUTION**

### **2.01 PRE-ASBESTOS ABATEMENT PREPARATIONS**

- A. Prior to any abatement work in the area:
1. Seal off the entire area to any one other than trained personnel and authorized visitors.
  2. Erect signs around the area in accordance with EPA, OSHA, and this specification. Unauthorized entry during abatement process shall be provided by twenty-four hour security. Maintain a log of all people entering and exiting the work place.
- B. Isolation of the work area:
1. Seal all walls with two layers of six-mil plastic sheet.
  2. Seal off all duct openings, doors, windows, fan coil units.

### **2.02 ASBESTOS REMOVAL**

- A. Method of Removal - Major Abatement
1. Post Asbestos Warning Signs in all areas of removal.
  2. Construct plastic enclosures according to Asbestos Abatement Specifications and 453 CMR 6.14. Designate emergency exits.
  3. Set up removal zones, under 0.02 inches of water negative air pressure, as indicated in and required by regulations.
- Before any disturbance of any asbestos material, this shall be demonstrated to the Asbestos Monitor by use of a pressure differential meter/manometer as required by OSHA 29 CFR.1101 (e) (5) (i). The pressure differential shall be continuously monitored and recorded between the regulated area and the area outside the regulated area with a monitoring device that incorporates a strip chart recorder. The strip chart recorder shall become part of the project log and shall indicate at least -0.02 inches of water column for the length of the project.
- The removal zone should consist of:
- A. equipment area
  - B. showers
  - C. airlocks
  - D. clean room

4. Cover all electrical panels, junction boxes, fire alarm equipment, controls, etc. in removal area. Cover and seal with plastic and tape.
5. Remove all moveable items from area. Cover all non-moveable items and equipment with plastic sheeting taped securely for seal.
6. Remove all HVAC system filters after asbestos removal is completed and treat as contaminated material. At end of job provide and install new filters. Seal all HVAC openings into areas using 2 layers of 6 mil plastic, i.e. critical barriers.
7. Barrier all windows, doors, pipe sleeves, access panels, etc. not being used for entry and exit. Attach asbestos warning signs. Use plywood or equivalent, as necessary to meet critical barrier requirements.
8. After all preparations have been made, approval for removal will be given by the Owner obtained Industrial Hygienist/I.H. firm. Approval is required prior to the commencement of work within the work area containment.
9. The Contractor shall remove asbestos completely using appropriate tools, i.e., nylon brushes, scrapers, as necessary so that no visible residue remains. Complete removal by wiping down with amended water. All asbestos is to be kept sufficiently wetted with amended water throughout the removal process; no dry removal is permitted.
10. Double bag material, pack and seal for disposal according to Specifications. Bagged materials must be sufficiently wetted.  
  
See section 2.04 of the Removal Practice for clean-up procedures and final clearance monitoring.
11. After approval from the Owner obtained Industrial Hygienist/I.H. firm remove plastic, barricades, equipment, showers, etc.

### **2.03 CONSTRUCTION OF BARRIER**

The construction of the barrier shall be wood framed with six-mil polyethylene sheeting extending from soil floor to the concrete slab above.

The wood frame may be fastened to the concrete slab by means of power driven nails (Hilti fasteners) and spiked into the soil floor. See Sketch

Vertical wood stiffeners may be used as needed, foam may be used to fill small voids

A layer of six-mil plastic sheeting shall be permanently attached to the outside of the frame and the entire assembly left in place after air clearance is obtained after asbestos removal. Polyethylene sheeting utilized for the barrier shall be opaque white or black in color, 6 mil fire retardant poly.

#### **2.04 REMOVAL PRACTICES**

- A. After the removal of asbestos has been completed and before removal of barriers, area shall be thoroughly wet cleaned and/or vacuumed with HEPA filtered vacuum.
- B. Waste containers shall be packed, cleaned, labeled and removed from the work area prior to final clean up and monitoring.
- C. All equipment not used in final cleanup and monitoring shall be decontaminated and removed prior to final cleanup and monitoring.
- D. After first cleanup, I.H. shall visually examine work area for gross contamination. A second wet cleaning and/or HEPA vacuuming shall be performed. If no visible contamination is observed, the Contractor shall proceed with misting and/or encapsulation steps.
  - 1. Misting – Lightly mist air with amended water to precipitate airborne fibers.
  - 2. Allow sufficient time before next step to allow fibers to settle and for the work area to dry.
  - 3. Fine cleaning must take place after misting and/or encapsulating procedures.
  - 4. Inner layer of plastic is taken down and disposed of as asbestos waste when air monitoring results as determined by NIOSH 7400 Method indicate level is less than 0.01 f/cc.
  - 5. The clean level test (final test) shall be a high volume (2880 liters). The clean level shall be less than 70 structures per millimeter squared (MM<sup>2</sup>).
    - a. In accordance with AHERA transmission electron microscopy (TEM) sampling and analysis shall be employed for the work area to conform to regulations.
    - b. All sampling shall be performed using aggressive methods.
  - 6. At the discretion of the Owner-retained I.H., wipe samples may be

collected for analysis by Polarized Light Microscopy if the presence of asbestos fibers on various surfaces is suspected. A complete absence of asbestos fibers must be reported in these samples.

7. Following the successful inspection and final testing as specified herein, all plastic sheeting, tapes, and disposable contaminated equipment shall also be disposed of as contaminated waste. All reusable contaminated equipment shall be thoroughly decontaminated through wet cleaning.
8. The semi-perm barrier shall be wiped down, repaired as needed and left in place for use by others.

## **2.05 DELIVERY AND STORAGE**

Deliver materials to the job site in original, new and unopened packages and containers bearing manufacturer's name and label, and following information: Name or title of material, manufacturer's stock number, and date of manufacture, manufacturer's name, thinning instructions, application instruction. Deliver materials together with a copy of the OSHA Material Safety Data Sheet for the material.

## **2.06 MONITORING, TESTING AND INSPECTION:**

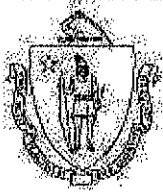
- A. Performance and execution of the work shall be closely and continuously monitored by the Owner retained Industrial Hygienist/I.H. Consultant and their technicians.

## **2.07 FINAL INSPECTION AND TESTING**

- A. After thorough cleaning, the Contractor shall determine that the work space is ready for final testing and notify the Project Monitor. The Project Monitor and Contractor shall jointly inspect the areas and when they are in agreement that the areas are clean, the final air clearance testing shall be performed.
- B. Final testing shall take place under active agitation of the air in the work space with air filtration units (HEPA) and fans running.
- C. Final air clearance sample analyses shall be performed by Trans Electron Microscopy (TEM) and will require a minimum of two days.

— END OF SECTION —



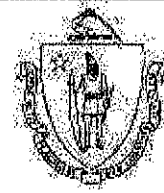


**DEVAL L. PATRICK**  
Governor  
**TIMOTHY P. MURRAY**  
Lt. Governor

**THE COMMONWEALTH OF MASSACHUSETTS**  
**DEPARTMENT OF LABOR**  
**DIVISION OF OCCUPATIONAL SAFETY**

**Prevailing Wage Rates**

**As determined by the Commissioner under the provisions of the  
Massachusetts General Laws, Chapter 149, Sections 26 to 27H**



**GEORGE NOEL**  
Director  
**LAURA M. MARLIN**  
Commissioner

**Awarding Authority:** CITY OF HAVERHILL

**Contract Number:**

**City/Town:** HAVERHILL

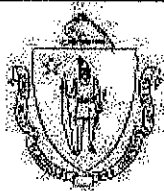
**Description Of Work:** W. GREENLEAF SCHOOL INSULATION REMOVAL & WORKS

**Job Location:** 265 CONCORD ST., WHITTIER GREENLEAF SCHOOL

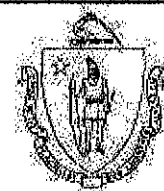
<b>Classification</b>	<b>Effective Dates and Total Rates</b>							
(2 AXLE) DRIVER - EQUIPMENT	12/1/2007	\$40.630	6/1/2008	\$41.130	8/1/2008	\$41.630	12/1/2008	\$42.330
(3 AXLE) DRIVER - EQUIPMENT	12/1/2007	\$40.700	6/1/2008	\$41.200	8/1/2008	\$41.700	12/1/2008	\$42.400
(4 & 5 AXLE) DRIVER - EQUIPMENT	12/1/2007	\$40.820	6/1/2008	\$41.320	8/1/2008	\$41.820	12/1/2008	\$42.520
ADS/SUBMERSIBLE PILOT	8/1/2007	\$98.260						
AIRTRACK OPERATOR	12/1/2007	\$40.250	5/31/2008	\$40.750				
ASBESTOS REMOVER - PIPE / MECH. EQUIPT.	12/1/2007	\$34.400						
ASPHALT RAKER	12/1/2007	\$39.750	5/31/2008	\$40.250				
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE	12/1/2007	\$54.490						
BACKHOE/FRONT-END LOADER	12/1/2007	\$54.490						
BARCO-TYPE JUMPING TAMPER	12/1/2007	\$39.750	5/31/2008	\$40.250				
BLOCK PAVER, RAMMER / CURB SETTER	12/1/2007	\$40.250	5/31/2008	\$40.750				
BOILERMAKER	10/1/2007	\$53.390	10/1/2008	\$55.740				
BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	8/1/2007	\$62.190	2/1/2008	\$62.880	8/1/2008	\$64.630	2/1/2009	\$65.320
	8/1/2009	\$67.120	2/1/2010	\$68.010	8/1/2010	\$69.910	2/1/2011	\$70.900
	8/1/2011	\$73.000	2/1/2012	\$73.990				
BULLDOZER/GRADER/SCRAPER	12/1/2007	\$54.190						
CAISSON & UNDERPINNING BOTTOM MAN	12/1/2007	\$43.800	5/31/2008	\$44.300				
CAISSON & UNDERPINNING LABORER	12/1/2007	\$42.850	5/31/2008	\$43.350				
CAISSON & UNDERPINNING TOP MAN	12/1/2007	\$42.850	5/31/2008	\$43.350				
CARBIDE CORE DRILL OPERATOR	12/1/2007	\$39.750	5/31/2008	\$40.250				
CARPENTER	9/1/2007	\$49.270	3/1/2008	\$50.420	9/1/2008	\$51.570	3/1/2009	\$52.720
CEMENT MASONRY/PLASTERING	8/1/2007	\$61.020	1/1/2008	\$61.250	2/1/2008	\$61.780	7/1/2008	\$62.010
	8/1/2008	\$63.360	1/1/2009	\$63.580	2/1/2009	\$64.110	8/1/2009	\$65.510
	2/1/2010	\$66.200	8/1/2010	\$67.670	2/1/2011	\$68.440	8/1/2011	\$70.060
	2/1/2012	\$70.830						
CHAIN SAW OPERATOR	12/1/2007	\$39.750	5/31/2008	\$40.250				
CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES	12/1/2007	\$54.490						
COMPRESSOR OPERATOR	12/1/2007	\$44.950						
DELEADER (BRIDGE)	7/1/2007	\$57.760	1/1/2008	\$58.910	7/1/2008	\$60.060	1/1/2009	\$61.210
	7/1/2009	\$62.360	1/1/2010	\$63.510				
DEMO: ADZEMAN	12/1/2007	\$42.850	5/31/2008	\$43.350				
DEMO: BACKHOE/LOADER/HAMMER OPERATOR	12/1/2007	\$43.850	5/31/2008	\$44.350				
DEMO: BURNERS	12/1/2007	\$43.600	5/31/2008	\$44.100				
DEMO: CONCRETE CUTTER/SAWYER	12/1/2007	\$43.850	5/31/2008	\$44.350				
DEMO: JACKHAMMER OPERATOR	12/1/2007	\$43.600	5/31/2008	\$44.100				
DEMO: WRECKING LABORER	12/1/2007	\$42.850	5/31/2008	\$43.350				
DIRECTIONAL DRILL MACHINE OPERATOR	12/1/2007	\$54.190						
DIVER	9/1/2007	\$70.190						
DIVER TENDER	9/1/2007	\$56.260						

**This wage schedule must be posted at the work site in accordance with M.G.L. ch. 149, sec. 27**

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THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF LABOR  
DIVISION OF OCCUPATIONAL SAFETY



**Prevailing Wage Rates**

As determined by the Commissioner under the provisions of the  
Massachusetts General Laws, Chapter 149, Sections 26 to 27H

DEVAL L. PATRICK  
Governor  
TIMOTHY P. MURRAY  
Lt. Governor

GEORGE NOEL  
Director  
LAURA M. MARLIN  
Commissioner

**Awarding Authority:** CITY OF HAVERHILL

**Contract Number:** \_\_\_\_\_ **City/Town:** HAVERHILL

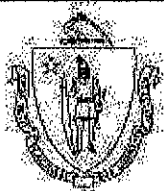
**Description Of Work:** W. GREENLEAF SCHOOL INSULATION REMOVAL & WORKS

**Job Location:** 265 CONCORD ST., WHITTIER GREENLEAF SCHOOL

Classification	Effective Dates and Total Rates					
DIVER TENDER (EFFLUENT)	9/1/2007	\$73.670				
DIVER/SLURRY (EFFLUENT)	9/1/2007	\$94.570				
ELECTRICIAN	9/1/2007	\$60.570	3/1/2008	\$61.570	9/1/2008 \$62.800	3/1/2009 \$64.040
			3/1/2010	\$66.510	9/1/2010 \$67.750	3/1/2011 \$68.990
	9/1/2009	\$65.280				
ELEVATOR CONSTRUCTOR	1/1/2007	\$58.730				
ELEVATOR CONSTRUCTOR HELPER	1/1/2007	\$44.990				
FENCE & GUARD RAIL ERECTOR	12/1/2007	\$39.750	5/31/2008	\$40.250		
FIELD ENG. - INST. PERSON (BLDG, SITE, HVY CONST)	11/1/2007	\$51.680	5/1/2008	\$53.060		
FIELD ENG. - ROD PERSON (BLDG, SITE, HVY CONST)	11/1/2007	\$38.460	5/1/2008	\$39.320		
FIELD ENG.-CHIEF OF PARTY (BLDG, SITE, HVY CONST)	11/1/2007	\$53.000	5/1/2008	\$54.400		
FIRE ALARM INSTALLER	9/1/2007	\$60.570	3/1/2008	\$61.570	9/1/2008 \$62.800	3/1/2009 \$64.040
	9/1/2009	\$65.280	3/1/2010	\$66.510	9/1/2010 \$67.750	3/1/2011 \$68.990
FIRE ALARM REPAIR / MAINTENANCE	9/1/2007	\$49.200				
FIREMAN (ASST. ENGINEER)	12/1/2007	\$49.300				
FLAGGER & SIGNALER	12/1/2007	\$33.550	5/31/2008	\$34.050		
FLOORCOVERER	9/1/2007	\$54.960	3/1/2008	\$56.130	9/1/2008 \$57.300	3/1/2009 \$58.470
FORK LIFT/CHERRY PICKER	12/1/2007	\$54.490				
GENERATOR/LIGHTING PLANT/HEATERS	12/1/2007	\$44.950				
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS)	7/1/2007	\$47.260	1/1/2008	\$48.410	7/1/2008 \$49.560	1/1/2009 \$50.710
	7/1/2009	\$51.860	1/1/2010	\$53.010		
HOISTING ENGINEER/CRANES/GRADALLS	12/1/2007	\$54.190				
HVAC (DUCTWORK)	8/1/2007	\$58.110	2/1/2008	\$59.230	8/1/2008 \$60.360	2/1/2009 \$61.480
	8/1/2009	\$62.730	2/1/2010	\$63.980		
HVAC (ELECTRICAL CONTROLS)	9/1/2007	\$60.570	3/1/2008	\$61.570	9/1/2008 \$62.800	3/1/2009 \$64.040
	9/1/2009	\$65.280	3/1/2010	\$66.510	9/1/2010 \$67.750	3/1/2011 \$68.990
HVAC (TESTING AND BALANCING - AIR)	8/1/2007	\$58.110	2/1/2008	\$59.230	8/1/2008 \$60.360	2/1/2009 \$61.480
	8/1/2009	\$62.730	2/1/2010	\$63.980		
HVAC (TESTING AND BALANCING -WATER)	9/1/2007	\$55.420	3/1/2008	\$56.420		
HVAC MECHANIC	9/1/2007	\$55.420	3/1/2008	\$56.420		
HYDRAULIC DRILLS	12/1/2007	\$40.250	5/31/2008	\$40.750		
INSULATOR (PIPES & TANKS)	9/1/2007	\$54.660	9/1/2008	\$56.860	9/1/2009 \$59.260	9/1/2010 \$61.660
IRONWORKER/WELDER	3/16/2007	\$48.630				
JACKHAMMER & PAVING BREAKER OPERATOR	12/1/2007	\$39.750	5/31/2008	\$40.250		
LABORER	12/1/2007	\$39.500	5/31/2008	\$40.000		
LABORER: CARPENTER TENDER	12/1/2007	\$39.500	5/31/2008	\$40.000		
LABORER: CEMENT FINISHER TENDER	12/1/2007	\$39.500	5/31/2008	\$40.000		
LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER	12/1/2007	\$39.500	5/31/2008	\$40.000		
LABORER: MASON TENDER	12/1/2007	\$39.750	5/31/2008	\$40.250		
LABORER: MULTI-TRADE TENDER	12/1/2007	\$39.500	5/31/2008	\$40.000		

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DEVAL L. PATRICK  
Governor  
TIMOTHY P. MURRAY  
Lt. Governor

THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF LABOR  
DIVISION OF OCCUPATIONAL SAFETY

Prevailing Wage Rates

As determined by the Commissioner under the provisions of the  
Massachusetts General Laws, Chapter 149, Sections 26 to 27H



GEORGE NOEL  
Director  
LAURA M. MARLIN  
Commissioner

Awarding Authority: CITY OF HAVERHILL

Contract Number: City/Town: HAVERHILL

Description Of Work: W. GREENLEAF SCHOOL INSULATION REMOVAL & WORKS

Job Location: 265 CONCORD ST., WHITTIER GREENLEAF SCHOOL

Classification	Effective Dates and Total Rates					
LABORER: TREE REMOVER	12/1/2007	\$39.500	5/31/2008	\$40.000		
LASER BEAM OPERATOR	12/1/2007	\$39.750	5/31/2008	\$40.250		
MARBLE & TILE FINISHERS	8/1/2007	\$52.300	2/1/2008	\$52.850	8/1/2008	\$54.800
	8/1/2009	\$56.240	2/1/2010	\$56.950	8/1/2010	\$58.470
	8/1/2011	\$60.950	2/1/2012	\$61.740		
MARBLE MASONS, TILELAYERS & TERRAZZO MECH	8/1/2007	\$62.230	2/1/2008	\$62.920	8/1/2008	\$64.670
	8/1/2009	\$67.160	2/1/2010	\$68.050	8/1/2010	\$69.950
	8/1/2011	\$73.040	2/1/2012	\$74.030		
MECH. SWEEPER OPERATOR (NON-CONSTRUCTION)	7/1/2006	\$25.570				
MECH. SWEEPER OPERATOR (ON CONST. SITES)	12/1/2007	\$54.290				
MECHANICS MAINTENANCE	12/1/2007	\$54.190				
MILLWRIGHT (Zone 2)	9/1/2007	\$49.040	3/1/2008	\$50.190	9/1/2008	\$51.340
MORTAR MIXER	12/1/2007	\$39.750	5/31/2008	\$40.250		
OILER (OTHER THAN TRUCKS, CRANES, GRADALLS)	12/1/2007	\$39.440				
OILER (TRUCKS, CRANES, GRADALLS)	12/1/2007	\$42.110				
OTHER POWER DRIVEN EQUIPMENT - CLASS II	12/1/2007	\$54.190				
PAINTER (BRIDGES/TANKS)	7/1/2007	\$57.760	1/1/2008	\$58.910	7/1/2008	\$60.060
	7/1/2009	\$62.360	1/1/2010	\$63.510		
PAINTER (SPRAY OR SANDBLAST, NEW) *	7/1/2007	\$48.660	1/1/2008	\$49.810	7/1/2008	\$50.960
	7/1/2009	\$53.260	1/1/2010	\$54.410		
PAINTER (SPRAY OR SANDBLAST, REPAINT)	7/1/2007	\$46.720	1/1/2008	\$47.870	7/1/2008	\$49.020
	7/1/2009	\$51.320	1/1/2010	\$52.470		
PAINTER (TRAFFIC MARKINGS)	12/1/2007	\$39.500	5/31/2008	\$40.000		
PAINTER / TAPER (BRUSH, NEW) *	7/1/2007	\$47.260	1/1/2008	\$48.410	7/1/2008	\$49.560
	7/1/2009	\$51.860	1/1/2010	\$53.010		
PAINTER / TAPER (BRUSH, REPAINT)	7/1/2007	\$45.320	1/1/2008	\$46.470	7/1/2008	\$47.620
	7/1/2009	\$49.920	1/1/2010	\$51.070		
PANEL & PICKUP TRUCKS DRIVER	12/1/2007	\$40.460	6/1/2008	\$40.960	8/1/2008	\$41.460
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	9/1/2007	\$56.260				
PILE DRIVER	9/1/2007	\$56.260				
PIPEFITTER & STEAMFITTER	9/1/2007	\$54.200				
PIPELAYER	12/1/2007	\$39.750	5/31/2008	\$40.250		
PLUMBER	9/1/2007	\$55.170	3/1/2008	\$56.170		
PNEUMATIC CONTROLS (TEMP.)	9/1/2007	\$55.420	3/1/2008	\$56.420		
PNEUMATIC DRILL/TOOL OPERATOR	12/1/2007	\$39.750	5/31/2008	\$40.250		
POWDERMEN & BLASTER	12/1/2007	\$40.500	5/31/2008	\$41.000		
POWER SHOVEL/DERRICK/TRENCHING MACHINE	12/1/2007	\$54.490				
PUMP OPERATOR (CONCRETE)	12/1/2007	\$54.490				
PUMP OPERATOR (DEWATERING, OTHER)	12/1/2007	\$44.950				

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