Invitation to Bid

The Wakefield-Marenisco School District is asking for bids for the removal of asbestos in their school building. The project will consist of removal of all asbestos that encapsulates our steam, water, and condensate pipes. There is in excess of 5,000 feet of pipe [800 feet of 10" – 12" pipe covering, 1500 feet of 6", 2700 feet of 4", with numerous elbows, valves, and crossovers]. This will include all necessary clean up of dirt and debris. The location is underneath the building in our tunnel complex. All measurements are approximate and bidder is invited to do an accurate assessment of project.

General

1. The prospective bidder is to provide all services, labor, materials, equipments, permits, and insurance necessary to carry out asbestos removal operations in accordance with all Federal, State, and Local regulations.
2. Each prospective bidder is encouraged to visit the job site to become familiar with existing conditions, dimensions, and all other pertinent information.
3. Completion date: The contractor will complete the project and have all equipment and personnel removed from the building prior to July 31, 2008. The work is to be coordinated with the superintendent and shall be non-disruptive to school operations. Bidder will have Bond Insurance guaranteeing job completion.
4. Damage: Damage to the building, grounds, or neighboring area will be repaired by the contractor to the satisfaction of the school district.
5. The contractor will guarantee all materials and workmanship for a period of one (1) year from the acceptance of all completed work.
6. Upon completion of the contract, all work will be inspected by the Superintendent of Schools and the Board of Education members or their designee.
7. Safety requirements: In order to protect he lives and health of employees and others, the contractor shall take such safety precautions as are required by Insurance Underwriters and shall comply with applicable provisions of "Safety and Health Regulation for Construction", as set out in Title 29, Labor, Chapter XVII. part 1926, Code of Federal Regulations effective on the publication of Federal Register 12/30/1971.
8. The contractor shall furnish documentation of successful performance in asbestos removal. This will include name and address of purchaser of service, location of work performed, and a record of air monitoring for asbestos as required by OSHA 1910.1001.
9. The contractor will have at all times in his possession at the office (one copy) and in view at the job site (one copy), OSHA regulation 1910.1001, Asbestos, and Environmental Protection Agency 40 CFR Part 61, subpart B: National Emission Standard for Asbestos, asbestos stripping work practices, and disposal of asbestos waste.
10. There is no prevailing wage involved in this project.

Scope

1. Removal all asbestos insulation on the steam supply piping and condensation return piping.
2. Remove all asbestos insulation from hot and cold water supply piping
3. The contractor shall furnish all labor, materials, services, insurance, and equipment necessary for the complete removal of all asbestos located at the site in accordance with the guidelines or regulations of the responsible state agency, EPA and OSHA.
4. The contractor shall furnish proof that employees have had instruction on the dangers of asbestos exposure, on respirator use, decontamination, and OSHA regulations.

Qualifications

1. The contractor will furnish all labor, materials, facilities, equipment, services, employee training, employee 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

government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable.

2. The contractor will provide the Wakefield-Marenisco School District written proof that the contractor and all of his employees have the proper training, licensing, and medical approval to do asbestos abatement work and wear respirators in accordance with all OSHA regulations and EPA and Michigan Health Department rules and regulations.
3. The contractor will provide the School District with written proof that he is covered with all of the insurances necessary to protect the School District, the abatement workers, and the general public from any accident or other liability which may occur during the performance of the work.

Procedures

Prior to beginning work the contractor will provide the Superintendent of Schools or his designee his plans for decontamination facilities and their locations, work area isolation plan with layout of engineering controls (e.g. HEPA ventilation vents, air monitoring, etc.), security program to keep unauthorized people away from the removal area, description of disposal methods including the name of the landfill where materials will be taken, and final clean up procedures to be used.

Notifications, Permits, Warning Signs, Labels, and Posters

The contractor agrees to and will:

1. Provide the required notification to EPA and any other regional, state, and local authority having jurisdiction on the projects.
2. Erect warning signs around the work space and at every point of potential entry from the outside, showing the standard wording from OSHA 1926.58. The warning signs shall be a bright color so that they will be easily noticeable. The size of the lettering shall be no less than the OSHA 1926.58 and 1926.145 requirements.
3. Provide the OSHA required labels for all plastic bags and all drums utilized to transport contaminated material to the landfill.
4. 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 work area a copy of the latest applicable regulations form OSHA and EPA.
5. Secure all permits required for the work, including disposal of asbestos in an approved landfill.
6. Worker's Dress and Equipment for Asbestos Removal
   a. Work clothes will consist of full body coveralls, disposable head covers, boots, or sneakers, and respiratory protective equipment as required by OSHA regulations. Eye protection and hard hats should be available as appropriate.
   b. Coveralls should be of a paper disposable type.
   c. Respiratory protection for workers shall be provided by the contractor as required by current OSHA regulation.
7. Decontamination – All Workers WITHOUT exception:
   a. Will change work clothes at designated areas prior to start of day's work. Lockers or acceptable substitutes will be provided by the contractor for street and work clothes.
   b. All work clothes will be removed in the work area prior to departure from this area. Workers would then proceed to showers. Workers will shower before lunch and at the end of each day's work. Hot water, towels, soap, and hygienic conditions are the responsibility of the contractor.
   c. No smoking, eating, or drinking is to take place once beyond the clean room at the job site. Prior to smoking, eating, or drinking, workers will fully decontaminate by showering. Each worker will then dress into a new clean disposable coverall to eat, smoke, or drink. This new coverall can then be used to reenter the work area.
   d. Work footwear will remain inside work area until completion of the job.
8. Pre-Asbestos Removal Preparation

a. The contractor will thoroughly seal all openings and fixtures including, but not limited to, heating and ventilating ducts, sky lights, doors, windows, and lighting with polyethylene taped securely in place.
b. Polyethylene sheets (6-mil minimum) will be used to cover the entire floor and wall surfaces.
c. The contractor will set up a decontamination facility in a pre designated area which will house the changing room, shower area, and equipment area.
d. Adequate toilet facilities should exist in the work area to avoid decontamination for this purpose. Where such facilities do not exist, the contractor will provide portable service.
e. Procedures will be written for evacuation of injured workers. Aid for a seriously injured worker will not be delayed for reasons of decontamination

9. Methods of Asbestos Removal
   a. The asbestos material will be sprayed with water containing an additive to enhance penetration. The additive, or wetting agent, will be 50 percent polyethylene ester and 50 percent polyoxyethylene ether at a concentration of one ounce per five gallons of water. A fine spray of this solution must be applied to prevent fiber disturbance preceding the removal of the asbestos material. The asbestos will be sufficiently saturated to prevent emission of airborne fibers in excess of the exposure limits prescribed in the OSHA standards referenced in these specifications.
   b. Removal of the asbestos material will be done in small sections with two-person teams, on staging platforms, if needed. The material will be paced into labeled 6-mil plastic bags held within 55-gallon drums prior to starting the next section to prevent the material from drying.
   c. Packed and sealed drums, with the required labeling, will be delivered to a pre designated disposal site for burial. Labels and all necessary signs shall be in accordance with EPA and OSHA standards.
   d. Following removal, the entire area will be wet cleaned. After a 24-hour period to allow for dust settling, the entire area will be wet cleaned again. During this settling period, no entry, activity, or ventilation will be allowed. Twenty-four hours after the second cleaning all surfaces in the entire work area will be thoroughly vacuumed and wet mopped.
   e. All polyethylene material, tape, cleaning material, and clothing will be placed in plastic-lined drums, sealed, and labeled as described above for the asbestos waste material.
   f. All equipment will be cleaned of asbestos material prior to leaving the work area.

10. Air Monitoring
    a. Throughout the removal and cleaning operations, air sample monitoring will be conducted to ensure that the contractor is complying with all codes, regulations, and ordinances. The method to be sued is described in OSHA standards, 1910.1001. The air monitoring technician and the equipment used will be subject to approval of the purchaser's representative. Prior to the start of any work, the technician's method of measurement and proof that the method is approved by the Secretary of Labor of the U.S. will be submitted to the purchaser's representatives for approval.
    b. Air monitoring will be performed to provide the following samples during the period of asbestos removal:

Area to be Sampled	Number of Samples	Min. Sample Vol. in Liters
Work Area	4	60
Outside work area barriers	2	120
Outside building	2	240

SAMPLES WILL BE TAKEN AFTER THE ACTUAL REMOVAL OPERATION HAS BEGUN

11. Clean-up and Guarantee
    a. After the second cleaning operation the following test should be performed: A complete visual inspection should be made to insure dust free conditions, and tow air samples within 48 hours after completion of all cleaning work should be taken. (Minimum volume of air sample 240 liters.)

b. If noncompliance occurs, repeat cleaning and measurement until space is in compliance. Refer to 29 CFR 1910.1001, 7a.

12. Disposal of Asbestos Material and Related Debris
    a. All asbestos material and miscellaneous debris in sealed drums will be transported to the pre designated disposal site in accordance with the guidelines of the U.S. Environmental Protection Agency.
    b. Workers unloading the sealed drums and machinery operators will wear respirators when handling material at the disposal site.
    c. The bags may be dumped from the drums into the burial site. The drums may be reused. However, if a bag is broken or damaged, the entire drum should be buried.

13. IF, AT ANY TIME, THE PURCHASER'S REPRESENTATIVE DECIDES THAT WORK PRACTICE ARE VIOLATING PERTINENT REGULATIONS OR ENDANDERING WORKERS, THE REPRESENTATIVE WILL IMMEDIATELY NOTIFY IN WRITING THE ON-SITE CONTRACTOR REPRESENTATIVE THAT OPERATIONS WILL CEASE UNTIL CORRECTIVE ACTION IS TAKEN.

Bidding Date

All bids must be sealed and clearly marked "ASBESTOS ABATEMENT BID" and submitted to the office of the Superintendent of Schools by 3:00 p.m. on May 28, 2008. They will be opened on May 30, 2008 and tabulated so they can be brought to the Board of Education Meeting.

The Wakefield-Marenisco School District Board of Education reserves the right to accept or reject any or all bids. The Board of Education also reserves the right to negotiate any changes in the projects as they deem necessary.

Mr. Lawrence Kapugia
Superintendent of Schools
Wakefield-Marenisco School District
715 Putnam Street
Wakefield, Michigan 49968

Inquires please call 906.224.9421

Addendum No. 1
Wakefield-Marenisco Schools
Asbestos Abatement

Revised Scope of Work

Tunnel

- Abatement of the following approximate quantities of pipe insulation:

Up to 4" –	1300	lineal feet
5" – 8" –	30	lineal feet
9" – 12" –	40	lineal feet

- Abatement contractor shall clean tunnel, remove all debris as contaminated material including but not limited to all wood, scrap, bottles, plastics, and fiberglass, etc. Brick, stone, and concrete may be cleaned and remain so long as it is piled in a corner or other out of the way place.

- Abatement contractor shall clean the tunnel floor with a heap-filtered vacuum truck, vec-loader, or equivalent heap filtered machine to remove all contaminated soils and small debris that have accumulated over the years. Sufficient quantities of soil shall be removed to insure all contaminated material is removed.

Basement Crawl Space

- Abatement of the following approximate quantities of pipe insulation:

Up to 4" –	1,692	lineal feet
5" – 8" –	1,064	lineal feet
9" – 12" –	282	lineal feet

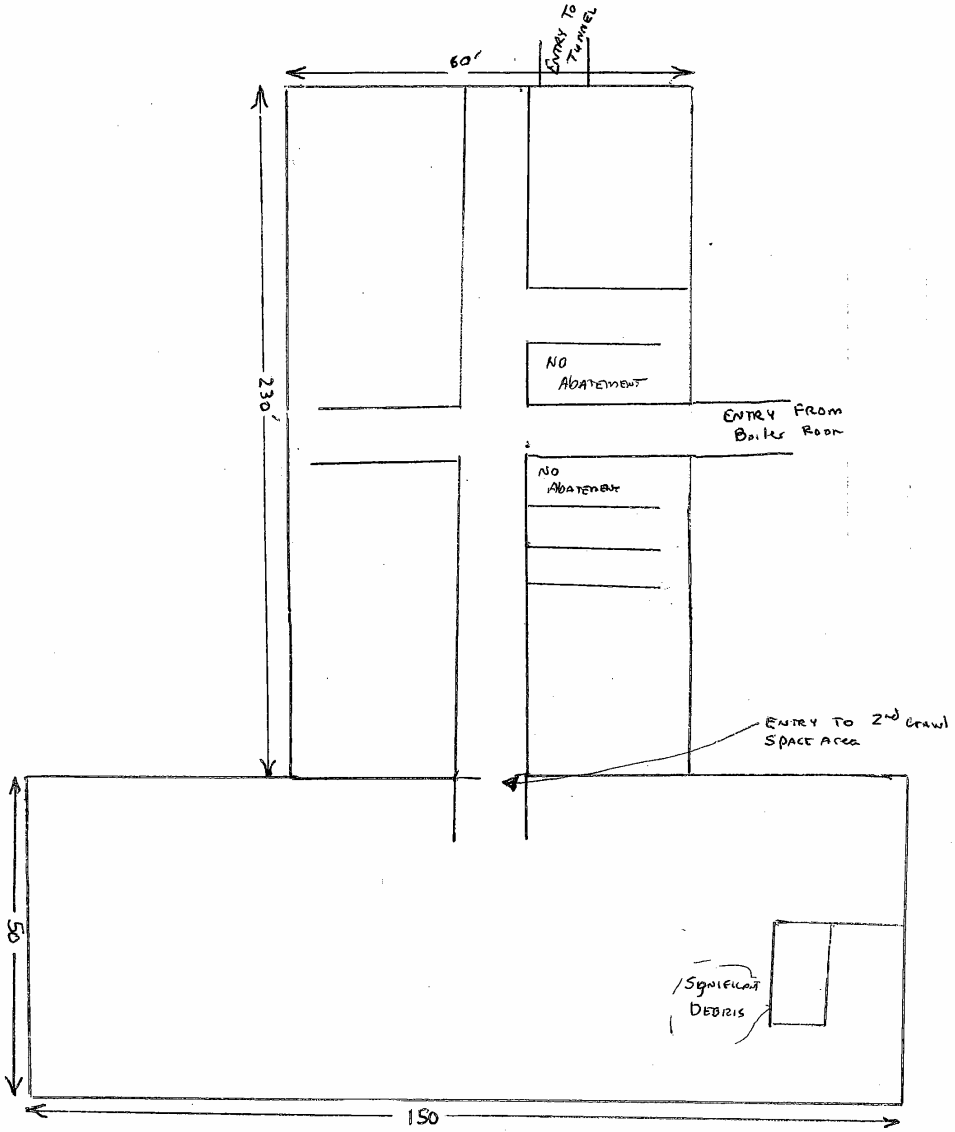
- Abatement contractor shall clean crawl space, remove all debris as contaminated material including but not limited to all wood, scrap, bottles, plastics, fiberglass, etc. Brick, stone, and concrete may be cleaned and remain so longs as it is piled in a corner or other out of the way place.

- Abatement contractor shall clean crawl space floor with a heap filtered vacuum truck, vec-loader, or equivalent to remove all contaminated soils and debris. Sufficient quantities of soils shall be removed to insure surface contaminated materials are removed.

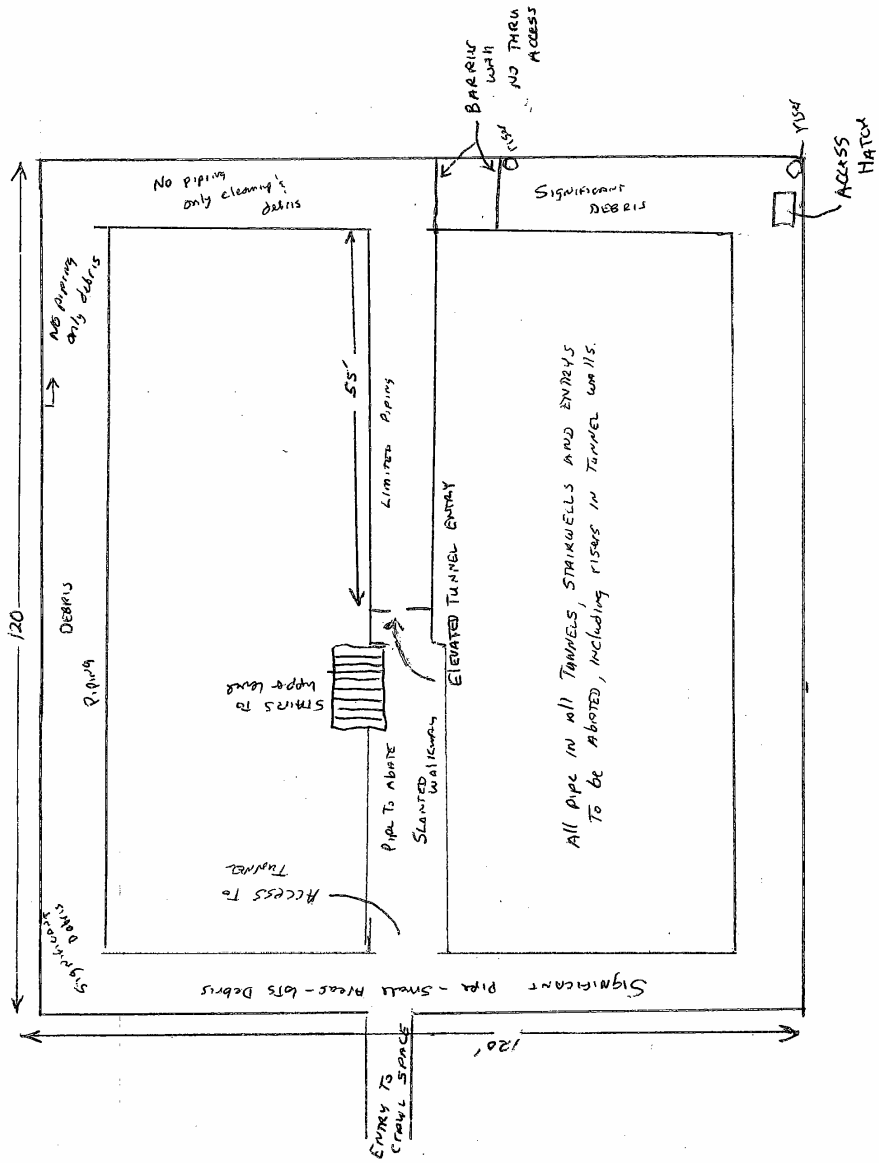
ALL QUANTITIES AND SIZES ARE ESTIMATES. CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES. NO EXTRA CHARGES OF PAYMENTS SHALL BE MADE BASED UPON QUANTITY OR SIZE.

Air Monitoring

The school shall employ an independent third party air monitor to conduct visual inspections and final clearances. All final clearances shall be by TEM. Should any visual inspection or final clearance fail, the cost of additional inspections and final clearances shall be charged to the abatement contractor and deducted from the contract price.


60'
ENTRY TO TUNNEL
230'
NO ABATEMENT
ENTRY FROM Boiler Room
NO ABATEMENT
ENTRY TO 2nd CRAWL SPACE AREA
50
SIGNIFICANT DEBIRIS
150

CRAWL SPACE


120
DEBRIS
PIPING
NO piping only debris
Significant Debris - Small Areas - lots Debris
Significant Debris
No piping only cleaning debris
55'
Limited Piping
Elevated Tunnel Entry
Stairs to upper level
Pipe to above
Slanted walkway
Access to Tunnel
All pipe in all tunnels, stairwells and entrys to be aborted, including risers in tunnel walls.
Barrier wall
No thru access
Access Hatch
120'
Entry to crawl space

TUNNEL