

May 2, 2019

Proposal P19-2107

John Dilena
Construction Manager, San Rafael City Schools
Greystone West
621 West Spain Street
Sonoma, CA 94576

Sent via email to: john@greystonewest.com

RE: Proposal: San Rafael High School MACK Building Project- Pipe Abatement Support
San Rafael High School
150 3rd Street
San Rafael, CA 94901

Mr. Dilena,

This letter presents Millennium Consulting Associates' ("Millennium") proposal to provide industrial hygiene services for San Rafael City Schools as part of the San Rafael High School Demolition/Renovation Project, specifically, MACK Building Project.

Project Scope:

During the excavation of asphalt and trenching performed by Ghilotti Brothers, subcontractor, to Alten Construction (general contractor), various pipe systems with thermal system insulation (TSI) and cementitious materials were uncovered. Millennium Consulting, at the request of Greystone West, performed asbestos sampling on all pipe systems and insulation materials. Analytical results confirmed that the pipe insulation contained asbestos in concentrations >1%. One pipe system with cementitious material contained trace amounts of asbestos <0.25%. The remainder of all other pipe system materials did not contain asbestos (per the laboratory reporting limit). In addition, Millennium sampled suspect base rock near the pipe systems. After analysis, the base rock did not contain asbestos (per the laboratory reporting limit). Based on the results of the sampling, Greystone West requested support for abatement services, which includes the aforementioned sampling, assisting w/contractor submittal reviews and work plan, on-site monitoring of the abatement, and closeout services. The scope of work will include the following tasks:

Task 5 – Abatement Inspection and Monitoring/Testing Services

Provide on-site services during the abatement and hazardous material demolition phase, which includes pre-project submittal review, abatement inspection and monitoring, field inspection reports, clearance testing, in summary the items below:

1. Attending construction progress meetings (as necessary) to coordinate abatement monitoring with planned work activities during the project phase.
2. Reviewing hazardous material subcontractor submittals.
3. Inspecting abatement enclosures and/or regulated areas prior to initiation of abatement and/or demolition activities for conformance with project specifications.
4. Performing necessary clearance inspections and testing;

Task 6 – Project Closeout Services

At the completion of the project, Millennium will prepare final closeout documentation in the form of a report, including a project summary and copies of all relevant field paperwork and testing data.

Fee Estimate Proposal:

Millennium proposes to provide the services referenced above (Tasks 5-6) for a total of **\$11,905.00**. The task-based fee breakout is as follows:

Task 5 - Abatement Inspection and Monitoring	\$ 10,700.00
Task 6 – Project Closeout Services	\$ <u>1,205.00</u>
Total	\$ 11,905.00

Additional details are shown on the attached cost detail spreadsheet.

Task 5 Assumptions

- Millennium will review the contractor's and the abatement subcontractor submittals that relate to hazardous material abatement, demolition and/or construction dust control.
- Millennium will assist the SRCS CM to document that the general contractor and all subcontractors have identified and marked related hazmat abatement work to be conducted within each regulated area. This will be conducted prior to the start of abatement activities.
- Millennium will perform full-time hazmat monitoring during abatement activities and part-time construction dust monitoring, during construction build back as needed. Estimated work shifts are presented in the attached proposal spreadsheet.
- Full time shifts are assumed to have a duration of 8 hours; half time shifts are assumed to have a duration of 4 hours. Monitoring shift work is assumed to be performed during normal construction work hours (between 7:00 am to 4:00 pm). Premium shift rates will apply for

abatement work performed after school hours (3:30 pm or later start time) or weekends and will be addressed via change order proposal if necessary. For the purposes of this proposal, all hazardous materials monitoring and general monitoring work is assumed to be completed within 6 full and part-time shifts during normal construction hours.

Task 6 Assumptions

- The General Contractor and abatement subcontractor provide daily logs, regulated area entry logs and closeout documentation for each containment and/or abatement activity in a timely manner.
- Millennium prepares record abatement drawings. Drawings to be attached to all relevant closeout documentation.

If any questions, feel free to contact us at your convenience at 925-808-6700.

Regards,

Millennium Consulting Associates
A MECA Consulting, Inc. Company



Ramil Arcia CAC 10-4613, CDPH IA/PM 17756
Director, Building Science Division

Attachments:

- Fee Schedule – Tasks 5 – 6 San Rafael HS Fee Proposal

ENVIRONMENTAL CONSULTANTS TIME AND MATERIALS BASIS FOR CHARGES

Project: San Rafael High School MACK Building Project Scope of Work: Provide abatement inspection and monitoring, and project closeout services. IH Firm: Millennium Consulting Associates Contact: Ramil Arcia Email Address: rarcia@mecaenviro.com				
Task 5: Abatement Inspection and Monitoring/Testing Services				
Labor				
Labor Category	Description of Work	No. of Hours	Hourly Rate per SOQ	Total
Principal-in-Charge			\$175.00	\$0.00
Registered Professional (CIH/PE)			\$150.00	\$0.00
Senior Professional Level (Eng./IH/Specialist)	Project Management, Submittal Review, Reporting	24	\$125.00	\$3,000.00
Project Professional Level (Eng./IH/Specialist)			\$105.00	\$0.00
Senior Staff Level (Eng./IH/Specialist)			\$95.00	\$0.00
Staff Level (Eng./IH/Specialist)	Submittal Review, Inspection and Monitoring Reporting	16	\$85.00	\$1,360.00
Sr. Field Technician (Eng./IH/CSST)			\$75.00	\$0.00
Field Technician			\$65.00	\$0.00
Drafting			\$65.00	\$0.00
Admin Support	Clerical, Data Entry		\$50.00	\$0.00
Total Labor Costs				\$4,360.00
Other Costs				
Item	No. of Item	Fixed Unit Rate	Total	
4 Hr Shift Standard	1	\$400.00	\$400.00	
8 hr Shift Standard	5	\$700.00	\$3,500.00	
10 hr Shift Standard		\$850.00	\$0.00	
12hr Shift Standard		\$985.00	\$0.00	
4 Hr Shift Premium		\$500.00	\$0.00	
8 hr Shift Premium		\$800.00	\$0.00	
10 hr Shift Premium		\$950.00	\$0.00	
12hr Shift Premium		\$1,115.00	\$0.00	
Asbestos: Bulk (PLM) - 24 hr	24	\$20.00	\$480.00	
Asbestos: Bulk (PLM) with point count - 24 hr	6	\$91.00	\$546.00	
Asbestos: Air (PCM) - 48 hr	10	\$12.00	\$120.00	
Asbestos: Air (TEM) - AHERA - 24 hr	6	\$75.00	\$450.00	
Lead: Bulk/Wipe/Air - (Flame AA) - 24 hr		\$40.00	\$0.00	
Toxicity Characteristic Leaching Procedure (TCLP)- 5 Day TAT		\$67.00	\$0.00	
STLC (California WET Test) - 5 Day TAT		\$67.00	\$0.00	
PLM CARB 435 Level A (24 hr)	2	\$272.00	\$544.00	
PLM CARB Point Count (400 point count)		\$49.00	\$0.00	
Consumables/Travel	12	\$25.00	\$300.00	
Total Other Costs				\$6,340.00
TOTAL TASK 5				\$10,700.00
Task 6: Project Closeout Services				
Labor				
Labor Category	Description of Work	No. of Hours/Shifts	Hourly Rate per SOQ	Total
Principal-in-Charge			\$175.00	\$0.00
Registered Professional (CIH/PE)	Tech Review/QA/QC		\$150.00	\$0.00
Senior Professional Level (Eng./IH/Specialist)	Manage, Review	4	\$125.00	\$500.00
Project Professional Level (Eng./IH/Specialist)			\$105.00	\$0.00
Senior Staff Level (Eng./IH/Specialist)			\$95.00	\$0.00
Staff Level (Eng./IH/Specialist)	Reporting	8	\$85.00	\$680.00
Sr. Field Technician (Eng./IH/CSST)			\$75.00	\$0.00
Field Technician			\$65.00	\$0.00
Drafting			\$65.00	\$0.00
Admin Support	Clerical, Data Entry, etc.		\$50.00	\$0.00
Total Labor Costs				\$1,180.00
Other Costs				
Item	No. of Item	Fixed Unit Rate	Total	
Shipping		\$25.00	\$0.00	
Office Consumables	1	\$25.00	\$25.00	
Total Other Costs				\$25.00
TOTAL TASK 6				\$1,205.00
TOTAL: TASKS 5 - 6				\$11,905.00