



HVAC and Roofing Replacement Burlingame High School

San Mateo Union High School District – Board Presentation May 6, 2021





Project Team

- Architect: Quattrocchi Kwok Architects
- Construction Manager: Greystone West
- Structural Engineer: ZFA Structural Engineers
- Mechanical Engineer: Costa Engineering
- Electrical Engineer: O'Mahony & Myer Consulting Engineers

Scope of Work

Architectural

- Built-up roofing replacement (clay tile roofs to remain)
- Patching of interior finishes as required at new mechanical units to create a uniform appearance of finishes

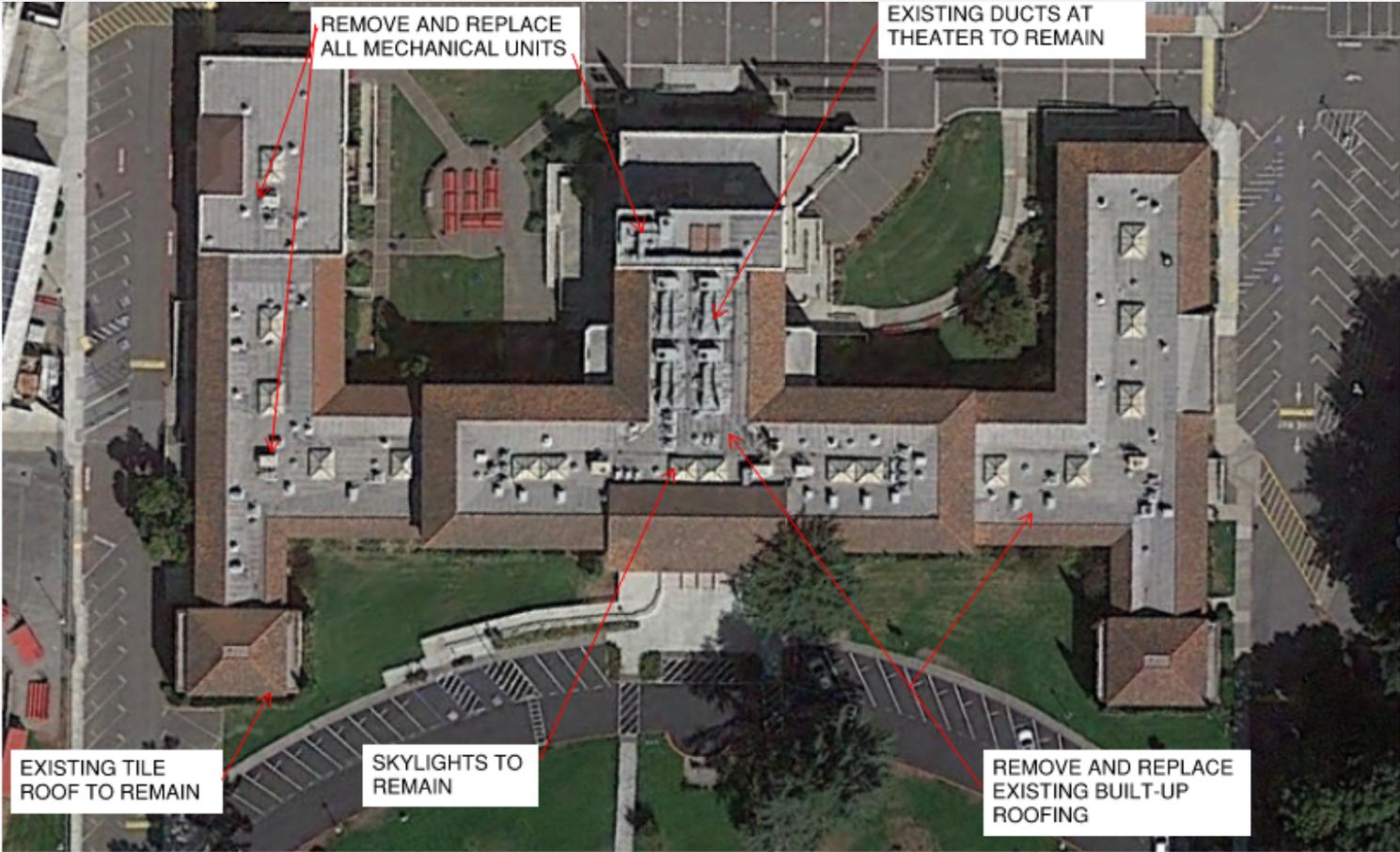
Mechanical

- Replacement of all mechanical units on roofs and in classrooms
- Mechanical ducts to remain, be tested for leakage, and repaired as needed
- Added cooling in all occupied spaces
- Removal of boiler and related equipment

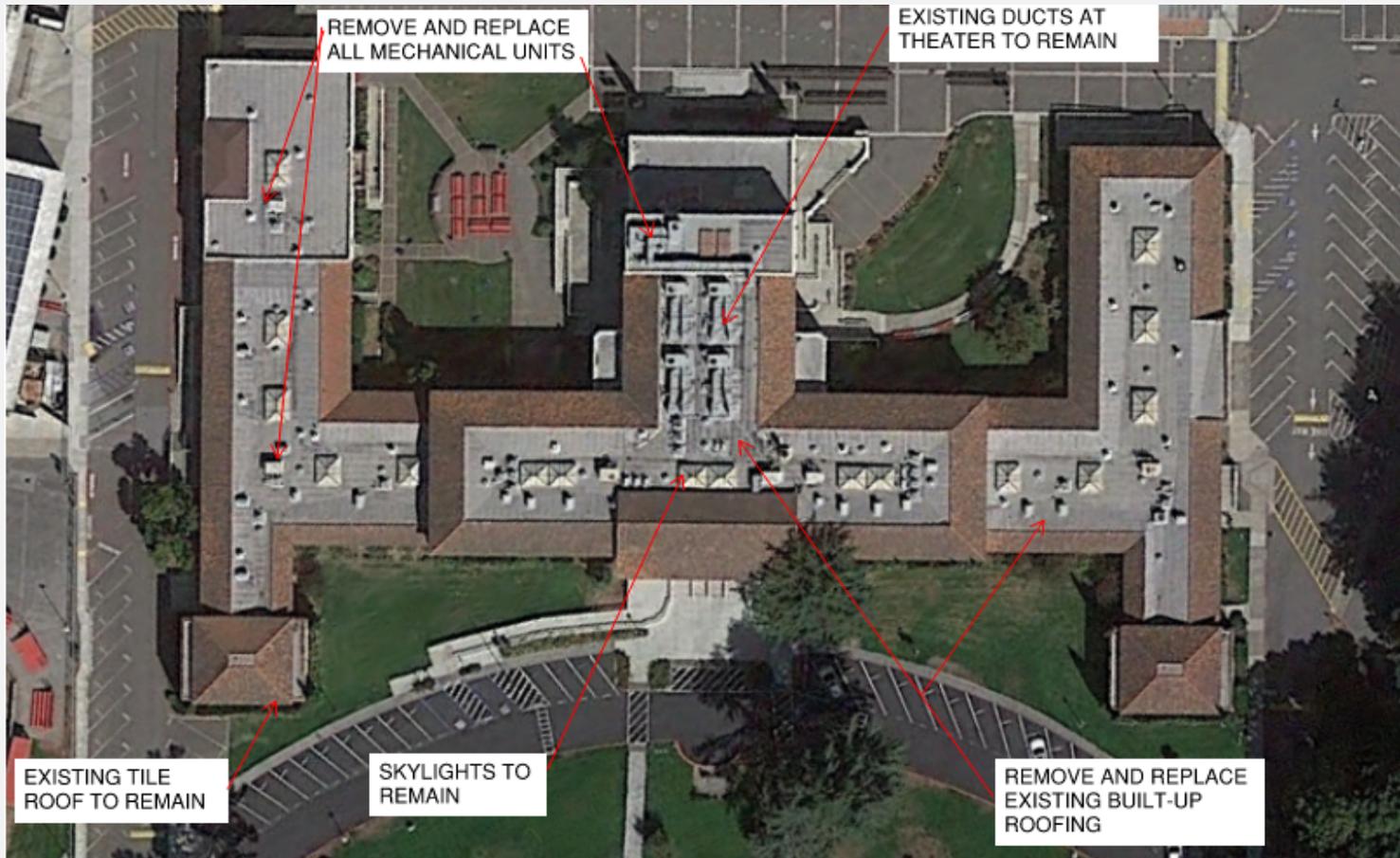
Electrical

- New electrical connections as required
- Co2 monitoring

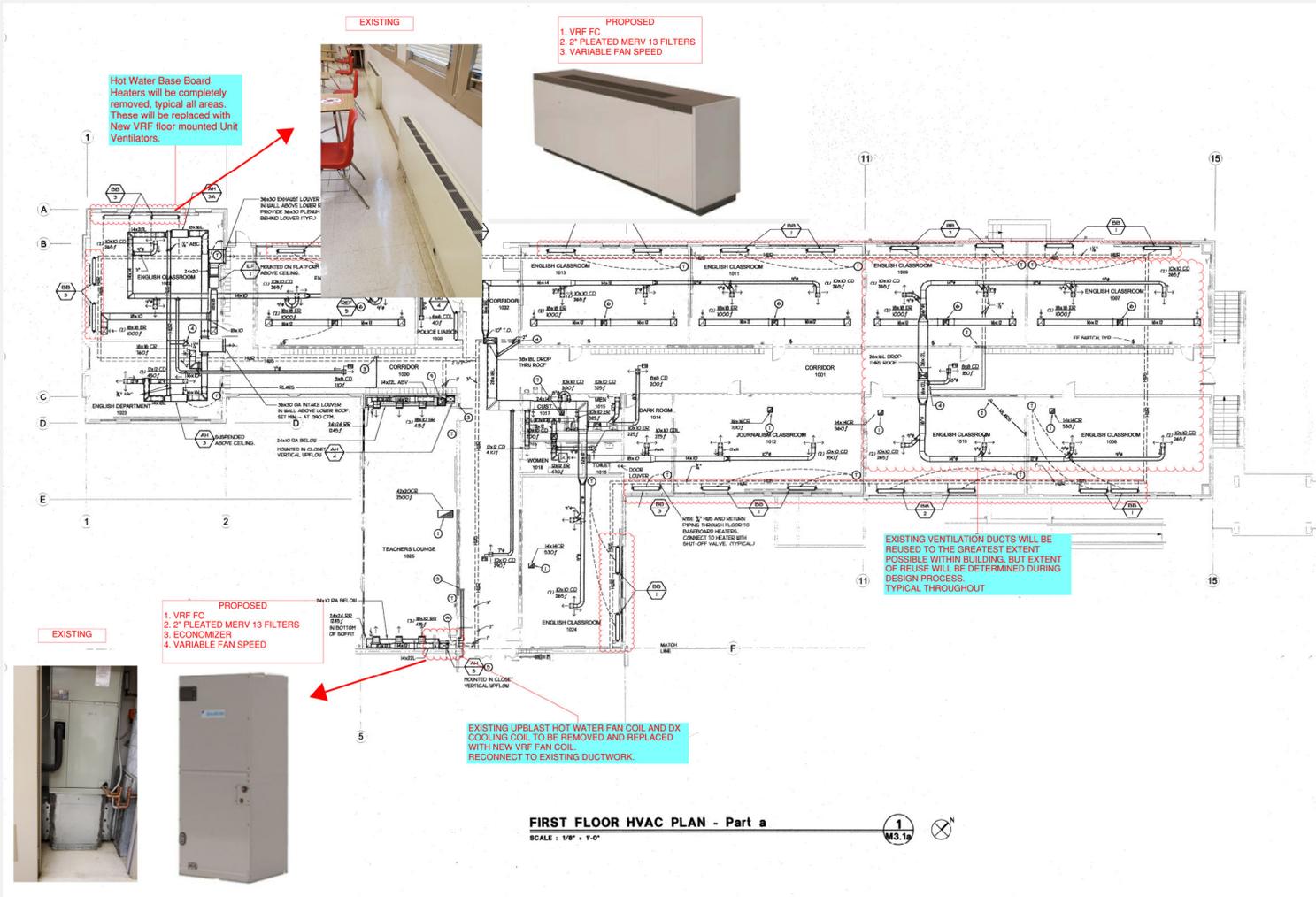
Site Plan



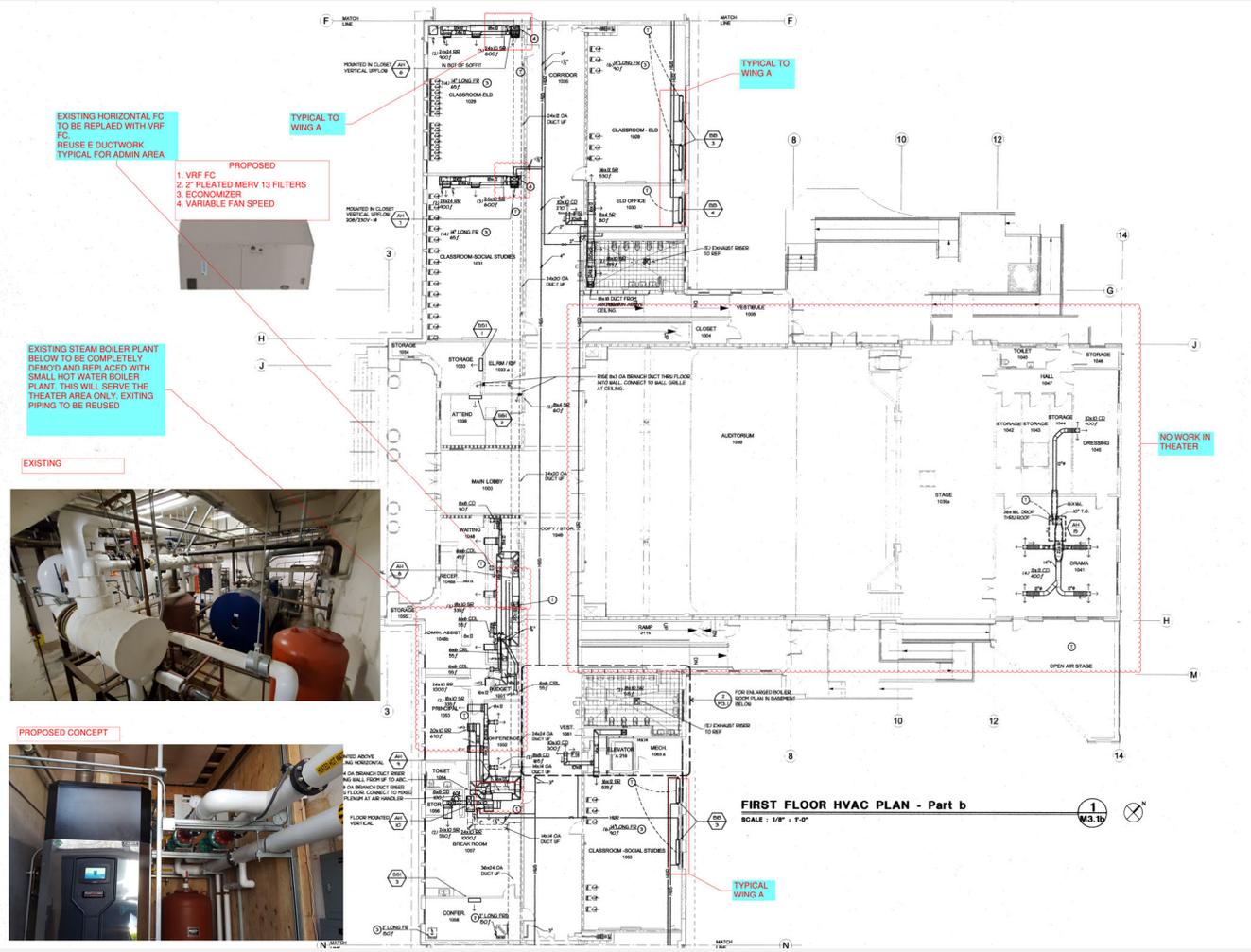
Site Plan



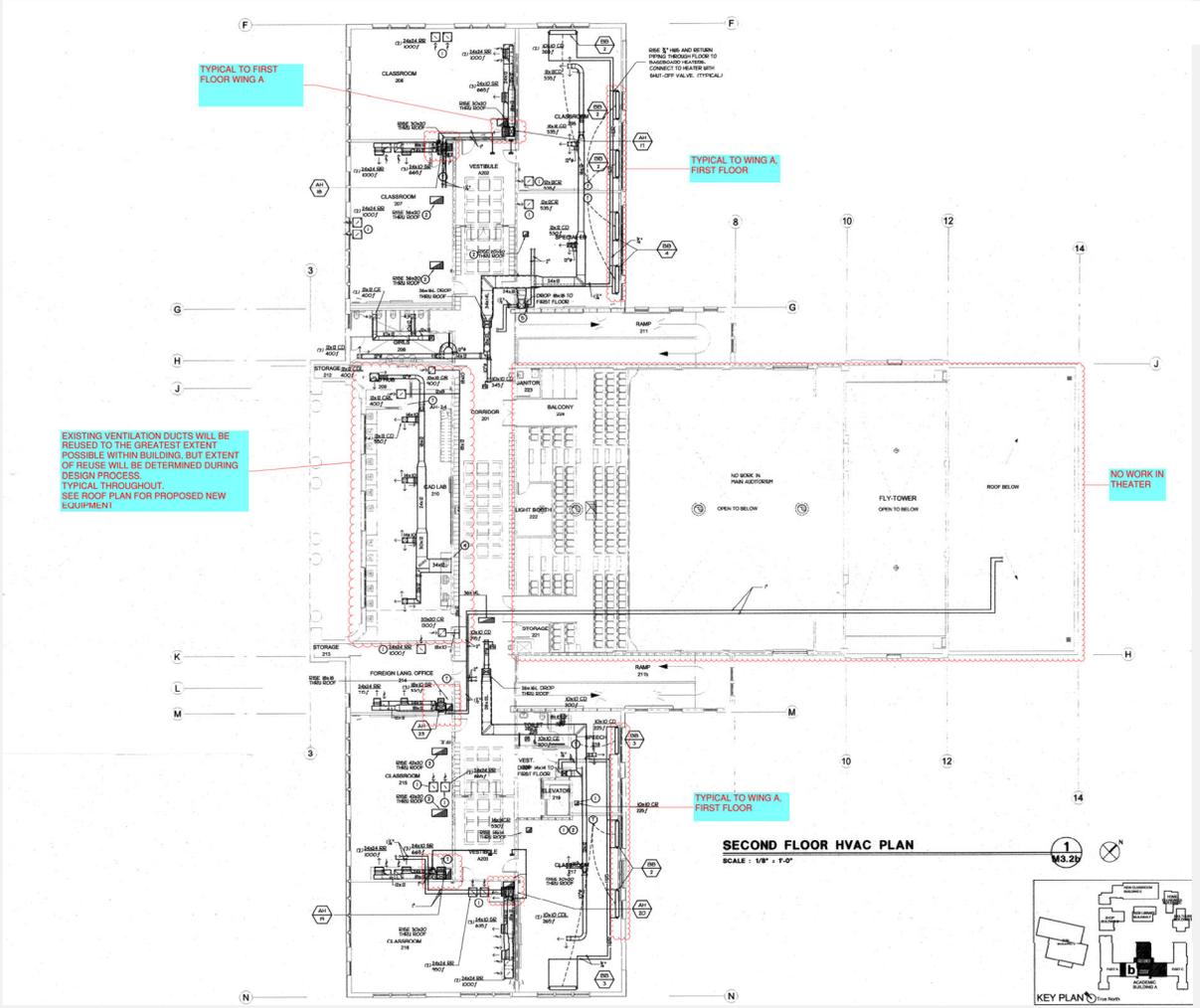
Mechanical Plan



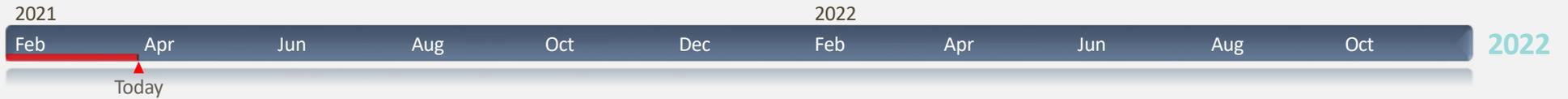
Mechanical Plan



Mechanical Plan



Timeline



Feb 25 ■ **Project Approval**

Apr 15 ■ **Schematic Design Approval**

Apr 16 - Jun 10 ■ **Design Development**

Jun 11 - Aug 30 ■ **Construction Documents**

Aug 31 ■ **DSA Submittal**

Sep 1 - Dec 21 ■ **DSA Review**

Jan 5 - Jan 11 ■ **DSA Stamp Out**

Jan 12 - Mar 1 ■ **Bid and Award**

Mar 2 - Mar 15 ■ **Bonds & Insurance**

Mar 16 ■ **Notice to Proceed**

Mar 16 - May 27 ■ **Submittals & Procurement**

May 30 ■ **Mobilization**

May 30 - Aug 12 ■ **Construction**

Aug 15 - Nov 4 ■ **Close Out**

Schematic Design Budget

Description	Qugntity		Unit Cost	Subtotal
Construction Budget	1	ls	\$ 4,960,000.00	\$ 4,960,000.00
Design Contingency	10	%	\$ 4,960,000	\$ 496,000.00
Construction Contingency	10	%	\$ 4,960,000	\$ 496,000.00
Architect Fees	1	ls	\$ 527,000	\$ 527,000.00
Architect Contingency	1	ls	\$ 99,200	\$ 99,200.00
Architect Reimbursable Expenses	1	alw	\$ 25,000	\$ 25,000.00
CM Fees	1	ls	\$ 325,100	\$ 325,100.00
DSA Inspector Shared	4	<u>mos</u>	\$ 15,000	\$ 60,000.00
Testing Laboratory	0.5	%	\$ 4,960,000	\$ 24,800.00
Bid Advertisements	1	ls	\$ 2,500	\$ 2,500.00
DSA Fees	1.5	%	\$ 89,280	\$ 89,280.00
CEQA (Cat-Ex)	1	ls	\$ 1,000	\$ 1,000.00
Legal	1	ls	\$ 5,000	\$ 5,000.00
Misc. Expenses	1	ls	\$ 5,000	\$ 5,000.00
Total Estimated Project Cost				\$ 7,115,880.00



Questions