

**JOHN R. PIERCE SCHOOL**

**Brookline, MA**



**OPM Monthly Project Update Report**

**March 2024**

FS	SD	DD	<b>CD</b>	BIDDING	CONSTRUCTION	CLOSEOUT	SITE
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During the month of March, bids for the Early Bid Package No. 1 for Abatement, MEP/FP Make-Safe, Demolition, Support of Excavation and Site Enabling work were received. Pre-GMP #1 was prepared in anticipation of a Summer 2024 start and presented to the Building Commission on March 12, 2024. Additional information was requested, and the team prepared the necessary documentation for a meeting scheduled for April 2, 2024.

The 60% Construction Documents Phase continued this month. Several meetings regarding the Article 97 process for the portion of the park intended for the geothermal wellfield installation occurred, and further documentation was created ahead of a April 2 Meeting and vote of the Parks and Recreation Commission, Conservation Commission, and the SelectBoard.

Project Team Meetings continued to coordinate and guide the project.

All executed Contract Amendments have been submitted to MSBA.

## **I. TASKS COMPLETED THROUGH MARCH 2024**

The following tasks were completed in the month of March 2024:

03/01/24	Working Group, Interior Design Meeting 01
03/04/24	Sustainability Review meeting
03/04/24	Project Team Meeting
03/05/24	Review of Employee Parking Impact during construction
03/06/24	Electrical Bids due
03/06/24	Working Group, Exterior Design Review
03/06/24	Early Bid Package Review
03/11/24	Article 97 Check-In #3
03/11/24	Project Team Meeting
03/12/24	Building Commission Meeting
03/13/24	Constructability Meeting #2
03/18/24	Project Team Meeting
03/19/24	Review of Employee Parking Impact during construction
03/20/24	MSBA Design Status Meeting
03/20/24	Land Use Subcommittee Meeting
03/25/24	Article 97 Check-In #4
03/25/24	Project Team Meeting
03/27/24	Working Group, Interior Design Meeting 02
03/27/24	Review of Permits and Approvals w/ Building Commissioner

## **II. TASKS PLANNED FOR APRIL 2024**

The following tasks are planned for the month of April 2024:

04/01/24	Project Team Meeting
04/02/24	Joint Hearing on Playground
04/02/24	Special Meeting, Building Commission
04/08/24	Project Team Meeting
04/09/24	Building Commission Meeting
04/10/24	Constructability Meeting #3
04/11/24	School Building Committee Meeting
04/22/24	Project Team Meeting
04/24/24	School Building Project/Geothermal Community Forum #1
04/29/24	Project Team Meeting

## **III. PROJECT BUDGET OVERVIEW**

Expenditures against the budget totaled \$793,415.12 this month. Costs were for OPM, Designer and Designer Consultants for the Construction Documents Phase Services, and for CM Preconstruction Services and Town of Brookline payroll costs.

Refer to the attached Total Project Budget Status Report and Cash Flow Charts, dated March 31, 2024.

## **IV. PROJECT SCHEDULE OVERVIEW**

During the month of March, bids for the Early Bid Package No. 1 (Abatement, MEP/FP Make-Safe, Demolition, Support of Excavation and Site Enabling along with some long-lead building system components) were received. Costs were presented to the Brookline Building Commission for approval to proceed with the Early Bid Package No. 1. More information was requested, and a follow up Special Meeting was scheduled for April 2, 2024. Once approved, Pre-GMP #1 will be developed in preparation of mobilization and a construction start the day school is out for the summer.

## **V. CONTRACT AMENDMENTS/BUDGET TRANSFERS**

CM Contract Amendment No. 5 for \$5,328.53 and PFA Budget Revision Request No. 3 was approved at the March 12, 2024 Building Commission Meeting.

CM Contract Amendment No. 6 for \$13,150,019.00 for Pre-GMP #1 for Abatement and Demolition, MEP/FP Make-Safe, Support of Excavation and Site Enabling. The Building Commission approved proceeding with the Early Bid Package No. 1 on April 2, 2024. CM Contract Amendment No. 6 – Pre-GMP #1 will be presented for approval at the April 9, 2024 Building Commission Meeting.

All approved Contract Amendments and Budget Revision Requests have been submitted to MSBA.

## **VI. MBE / WBE PARTICIPATION**

The Minority Business Enterprise (MBE) participation goal is 5.1% and for Women Business Enterprise (WBE) participation, the goal is 10%. Based on the Designer Subcontracts awarded to date, the percentage of fee for MBE is 8.4% and WBE is 35.9% for a combined total MBE/WBE participation of 44.3%.

Update for March 2024:

Minority Hours:	6,085.05	Minority Workforce Participation:	15.49%
Women Hours:	19,273.00	Women Workforce Participation:	49.05%
Total Hours Worked:	39,295.30		

Attached is the Designer's Workforce Participation Report for March 2024.

## **VII. COMMUNITY OUTREACH**

The Pierce School Building Project Website will be used throughout the project to keep the community up to date with the latest information. Approved meeting minutes and presentation materials will be posted to the website as well. To subscribe to project updates, please visit the website: <https://www.brookline.k12.ma.us/Page/2453>.

## **VIII. ATTACHMENTS**

MSBA Online Report Submission, dated March 31, 2024  
Invoice Summary, dated March 31, 2024  
CM Contract Amendment No. 6 – Pre-GMP #1, dated March 7, 2024  
Total Project Budget Status Report, dated March 31, 2024  
Monthly and Cumulative Cash Flow Reports, dated March 31, 2024  
CM Budget Tracking, dated March 31, 2024  
OPM Amendment Status Log, dated March 31, 2024  
Architect/Engineer Amendment Status Log, dated March 31, 2024

Construction Manager Amendment Status Log, dated March 31, 2024

Swing Space Budget Tracking, dated March 31, 2024

Preliminary Project Schedule, dated March 31, 2024

Designer Workforce Participation Log, March 31, 2024

District Name	Brookline	MSBA ID	201800460040
School Name	Pierce	Project Name	
OPM Firm Name	Leftfield, LLC	School Building Committee Representative	Bernard Greene
Project Director	Jim Rogers	Total Project Budget (ProPay)	\$211,915,958
Designer Firm Name	Miller Dyer Spears Inc.	Encumbered (Reporting Period)	\$13,223,109
Principal	Will Spears	Encumbered (to Date)	\$39,454,344
General Contractor Firm Name	Consigli Construction Company, Inc.	Total Project Invoices Received (to Date)	\$8,563,323
General Contractor Contact Name	Jody Staruk	Project Completion Percentage	4%

**OPM** Leftfield, LLC

Progress Report as of Date 3/31/2024

**Contract Summary**

Original Contract Amount	\$325,000
Contract Amendments (to Date)	4
Value of Contract Amendments (to Date)	\$6,823,684
Total Contract Amount	\$7,148,684
Contract Amendments as Percentage of Original Contract Amount	2,099.6%

**Payment Summary**

Total Contract Amount	\$7,148,684
Invoices Paid (to Date)	\$1,390,884
Invoices Received (Reporting Period)	\$115,000
Contract Amount Remaining	\$5,642,800

OPM Activities (Reporting Period)	03/01/24 Working Group, Interior Design Meeting 01 03/04/24 Sustainability Review meeting 03/04/24 Project Team Meeting 03/05/24 Review of Employee Parking Impact during construction 03/06/24 Electrical Bids due 03/06/24 Working Group, Exterior Design Review 03/06/24 Early Bid Package Review 03/11/24 Article 97 Check-In #3 03/11/24 Project Team Meeting 03/12/24 Building Commission Meeting 03/13/24 Constructability Meeting #2 03/18/24 Project Team Meeting 03/19/24 Review of Employee Parking Impact during construction 03/20/24 MSBA Design Status Meeting 03/20/24 Land Use Subcommittee Meeting 03/25/24 Article 97 Check-In #4 03/25/24 Project Team Meeting 03/27/24 Working Group, Interior Design Meeting 02 03/27/24 Review of Permits and Approvals w/ Building Commissioner
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Expenditures against the budget totaled \$793,415.12 this month. Costs were for OPM, Designer and Designer Consultants for the Construction Documents Phase Services, and for CM Preconstruction Services and Town of Brookline payroll costs.

Project Budget Status

Refer to the attached Total Project Budget Status Report and Cash Flow Charts, dated March 31, 2024.

MSBA Closeout Status

The Project is in the 60% Construction Documents Phase.

Potential Issues

There are no potential issues to report at this time.

**DESIGNER** Miller Dyer Spears Inc.

Progress Report as of Date 3/31/2024

**Contract Summary**

Original Contract Amount	\$1,294,466
Contract Amendments (to Date)	6
Value of Contract Amendments (to Date)	\$17,438,091
Total Contract Amount	\$18,732,557
Contract Amendments as Percentage of Original Contract Amount	1,347.1%

**Payment Summary**

Total Contract Amount	\$18,732,557
Invoices Paid (to Date)	\$5,954,770
Invoices Received (Reporting Period)	\$661,300
Contract Amount Remaining	\$12,116,487

**MBE/WBE**

MBE Percentage	5.1%
MBE Actual	8.4%
WBE Percentage	10.0%
WBE Actual	35.9%

**Workforce Participation**

Total Hours	39,295
Minority Hours	6,085
Minority Percentage	8.4%
Minority Workforce Participation	15.5%
Female Hours	19,273
Female Percentage	35.9%
Female Workforce Participation	49.1%

**RFIs and Submittals**

RFIs Issued (Reporting Period)	0
Total RFIs Issued (to Date)	0
Remaining Open RFIs – Past 30 Days	0
Notes	
Remaining Open RFIs – Past 60 Days	0
Notes	
Remaining Open RFIs – Past 90 Days	0
Notes	
Submittals Received (Reporting Period)	0
Total Submittals Received (to Date)	0
Submittals Reviewed (Reporting Period)	0
Total Submittals Reviewed (to Date)	0
Comments (Remaining Open Submittals)	

Phase	Design Development	Phase Scheduled Completion Date	6/28/2024
Designer Activities (Reporting Period)	03/01/24 Working Group, Interior Design Meeting 01		
	03/04/24 Sustainability Review meeting		
	03/04/24 Project Team Meeting		
	03/05/24 Review of Employee Parking Impact during construction		
	03/06/24 Electrical Bids due		
	03/06/24 Working Group, Exterior Design Review		
	03/06/24 Early Bid Package Review		
	03/11/24 Article 97 Check-In #3		
	03/11/24 Project Team Meeting		
	03/12/24 Building Commission Meeting		
	03/13/24 Constructability Meeting #2		
	03/18/24 Project Team Meeting		
	03/19/24 Review of Employee Parking Impact during construction		
	03/20/24 MSBA Design Status Meeting		
	03/20/24 Land Use Subcommittee Meeting		
	03/25/24 Article 97 Check-In #4		
	03/25/24 Project Team Meeting		
	03/27/24 Working Group, Interior Design Meeting 02		
	03/27/24 Review of Permits and Approvals w/ Building Commissioner		
	30 Day Look Ahead	04/01/24 Project Team Meeting	
04/02/24 Joint Hearing on Playground			
04/02/24 Special Meeting, Building Commission			
04/08/24 Project Team Meeting			
04/09/24 Building Commission Meeting			
04/10/24 Constructability Meeting #3			
04/11/24 School Building Committee Meeting			
04/22/24 Project Team Meeting			
04/24/24 School Building Project/Geothermal Community Forum #1			
04/29/24 Project Team Meeting			
Commissioning Consultant	NV5		
Commissioning Consultant Status	NV5 is waiting on the 60% CD review set to review and comment on.		

**GENERAL CONTRACTOR Consigli Construction Company, Inc. Progress Report as of Date 3/31/2024**

**Contract Summary**

Original Contract Amount (including CM-At-Risk Amendments)	\$13,553,698
Change Orders (to Date)	0
Value of Change Orders (to Date)	\$0
Total Contract Amount	\$13,553,698
Procurement Type	CM-at-Risk
Change Orders as Percentage of Original Contract Amount	0.0%
Pending Change Orders	\$0
Change Order Status	

**Payment Summary**

Total Contract Amount	\$13,553,698
Invoices Paid (to Date)	\$218,351
Invoices Received (Reporting Period)	\$15,000
Contract Amount Remaining	\$13,320,347

**MBE/WBE**

MBE Percentage	4.2%
MBE Actual	0.0%
WBE Percentage	8.8%
WBE Actual	0.0%

**Workforce Participation**

Total Hours	0
Minority Hours	0
Minority Percentage	0.0%
Minority Workforce Participation	0.0%
Female Hours	0
Female Percentage	0.0%
Female Workforce Participation	0.0%

**Schedule Assessment**

Notice to Proceed Date	
Physical Progress	0%
Substantial Completion Date (Reported)	7/27/2027
Substantial Completion Date (Contract)	7/27/2027
Substantial Completion Date (Certificate)	
Construction Progress (Reporting Period)	N/A
30 Day Look Ahead	For the month of April 2024, the 60% Construction Documents Phase will continue. The costs of Bid Package No. 1 were compiled and Pre-GMP #1 for Abatement, Demolition, MEP/FP Make-Safe, Support of Excavation and Site Enabling was developed and presented to the Building Commission. The Brookline Building Commission will make the decision on whether this work will proceed in advance of completing the design and bidding of the entire scope of work On April 2, 2024. Cost certainty or confidence During the month of March, bids for the Early Bid Package No. 1 for Abatement, MEP/FP Make-Safe, Demolition, Support of Excavation and Site Enabling work were received. Pre-GMP #1 was prepared in anticipation of a Summer 2024 start and presented to the Building Commission on March 12, 2024. Additional information was requested, and the team prepared the necessary documentation for a meeting scheduled for April 2, 2024.
Overall Schedule Assessment	The 60% Construction Documents Phase continued this month. Several meetings regarding the Article 97 process for the portion of the park intended for the geothermal wellfield installation occurred, and further documentation was created ahead of a April 2 Meeting and vote of the Parks and Recreation Commission, Conservation Commission, and the SelectBoard.
Problems Identified (Schedule or Construction)	No Problems identified.
Quality Control	N/A
Safety Compliance	N/A
Number of Claims (to Date)	0
Value of Claims (to Date)	\$0
Comments	
Recorded Manpower (Reporting Period)	N/A
Contractor Closeout Status	The Project is in the 60% Construction Documents Submission Phase.

**Certification**

The undersigned hereby certifies that, to the best of his/her knowledge, the information contained in this monthly report and attached hereto are true and accurate.

Project Director/Project Manager

Lynn Stapleton \_\_\_\_\_ Print Name

*Lynn Stapleton* \_\_\_\_\_ Signature

April 4, 2024 \_\_\_\_\_ Date

## MEMORANDUM

To: Brookline Building Commission  
 From: Lynn Stapleton, LeftField, LLC  
 Date: April 9, 2024  
 Re: John R. Pierce School – March 2024 Invoice Summary  
 Cc: Jim Rogers, Adam Keane, Andrew Deschenes - LeftField, LLC

Enclosed for approval and processing, please find the following invoices:

INVOICES						
ProPay Code	Vendor	Invoice #	Budget Category	Invoice Date	Description of Services	Invoice \$
0102-0500	LeftField	31	OPM – Construction Documents	03/31/24	OPM Construction Documents Services: March 1 – 31, 2024	\$115,000.00
0201-0500	MDS	69410	A/E– Construction Documents	03/31/24	A/E Construction Documents Services: February 1 – 29, 2024	\$590,000.00
0203-9900	MDS	69410	A/E – Other Reimbursable Services	03/31/24	MDS - Geothermal Alternate	\$11,000.00
0203-9900	MDS - GGD	69410	A/E – Other Reimbursable Services	03/31/24	GGD - Geothermal Alternate	\$59,500.00
0203-9900	MDS – GEI	69410	A/E – Other Reimbursable Services	03/31/24	GEI - Geothermal Alternate	\$800.10
					MDS Invoice #69410 Total: (For Reference Only)	\$661,300.10
0501-0000	Consigli	PC-13	Preconstruction	03/31/24	CD Preconstruction Services: March 1 – 31, 2024	\$15,000.00
	Town of Brookline		Other Project Costs	03/31/24	TOB Payroll Costs	\$2,115.02
					<b>TOTAL:</b>	<b>\$793,415.12</b>

The invoices listed above are consistent with the approved Total Project Budget and to the best of our knowledge, are eligible for reimbursement from the Massachusetts School Building Authority. LeftField, LLC recommends that the invoices be approved and paid.

The March 2024 OPM Monthly Report will be electronically submitted to the MSBA and to the Pierce School Building Committee, Building Commission, School Committee and Select Board by the required April 12,

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2024 deadline. All invoices above will be included in the March 2024 Project Budget Report unless rejected by the Committees.

If you have any questions, please feel free to contact Lynn Stapleton, Owner's Project Manager, LeftField, LLC.



Building Commission  
 Town of Brookline  
 Town Hall  
 333 Washington Street  
 Brookline, MA 02445

Invoice Date: 3/31/24  
 Invoice No: 31

FOR: Project Management Services  
 John R. Pierce School  
 50 School Street, Brookline, MA 02445

**Professional Services from March 1 to March 31, 2024**

OPM Services		Amount
03/31/24	Construction Documents Phase Services:	\$ 115,000.00

**Total Labor: \$ 115,000.00**

Reimbursable Expenses					Amount
Reimbursables 03/01/24 - 03/31/24					\$0.00
Date	Vendor	Invoice #	Amount	10% LeftField Fee	

**Total Expenses: \$0.00**

**Total this Invoice: \$ 115,000.00**

Contract Status	Budget	Previous	Current	Total To Date	Balance
Feasibility Study/Schematic Design Phase	\$325,000	\$325,000	\$0	\$325,000	\$0
Design Development Phase	\$700,000	\$700,000	\$0	\$700,000	\$0
Construction Documents Phase	\$1,045,000	\$345,000	\$115,000	\$460,000	\$585,000
Bid Phase	\$175,000	\$0	\$0	\$0	\$175,000
Construction Phase	\$4,650,000	\$0	\$0	\$0	\$4,650,000
Closeout Phase	\$180,000	\$0	\$0	\$0	\$180,000
Cost Estimating	\$52,800	\$52,800	\$0	\$52,800	\$0
OPM Services Total:	\$7,127,800	\$1,422,800	\$115,000	\$1,537,800	\$5,590,000
Reimbursable Expenses Total*:	\$20,884	\$20,884	\$0	\$20,884	\$0
<b>Total Contract:</b>	<b>\$7,148,684</b>	<b>\$1,443,684</b>	<b>\$115,000</b>	<b>\$1,558,684</b>	<b>\$5,590,000</b>

\*OPM Contract Amendment No. 1 for independent cost estimating for PSR/SD  
 \*OPM Contract Amendment No. 2 for printing PSR Submission  
 \*OPM Contract Amendment No. 3 for Extended Basic Services  
 \*OPM Contract Amendment No. 4 for Cost Estimating Services

**Please Remit Payment To:**  
 LeftField, LLC  
 P.O. Box 307  
 Hingham, MA 02043

**Invoice**

**Miller Dyer Spears Inc.  
40 Broad Street, Suite 103  
Boston, MA 02109**

March 31, 2024  
Project No: 2101-000  
Invoice No: 69410

Town of Brookline  
333 Wasington Street  
email Jen Carlson jcarlson@leftfieldpm.com  
and Lynn: lstapleton@leftfieldpm.com  
Brookline, MA 02445

Project 2101-000 Brookline Pierce School  
Amendment No. 6 total \$17,267,439

**Professional Services thru March 31, 2024**

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Phase	13	Construction Documents	
<b>Fee</b>			
Total Fee	6,229,098.00		
Percent Complete	18.9434	Total Earned	1,180,000.00
		Previous Fee Billing	590,000.00
		Current Fee Billing	590,000.00
		<b>Total Fee</b>	<b>590,000.00</b>
		<b>Total this Phase</b>	<b>\$590,000.00</b>

**Billings to Date**

	Current	Prior	Total
Fee	590,000.00	590,000.00	1,180,000.00
<b>Totals</b>	<b>590,000.00</b>	<b>590,000.00</b>	<b>1,180,000.00</b>

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Phase	14	Bidding	
<b>Fee</b>			
Total Fee	394,247.00		
Percent Complete	0.00	Total Earned	0.00
		Previous Fee Billing	0.00
		Current Fee Billing	0.00
		<b>Total Fee</b>	<b>0.00</b>
		<b>Total this Phase</b>	<b>0.00</b>

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Phase	15	Construction Administration	
<b>Fee</b>			
Total Fee	5,046,358.00		
Percent Complete	0.00	Total Earned	0.00
		Previous Fee Billing	0.00
		Current Fee Billing	0.00
		<b>Total Fee</b>	<b>0.00</b>
		<b>Total this Phase</b>	<b>0.00</b>

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Phase	16	Completion Phase	
<b>Fee</b>			
Total Fee	394,247.00		

Percent Complete	0.00	Total Earned	0.00	
		Previous Fee Billing	0.00	
		Current Fee Billing	0.00	
		<b>Total Fee</b>		<b>0.00</b>
		<b>Total this Phase</b>		<b>0.00</b>

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Phase	17	A/E Reimbursable Srvc (Am#6 Part 1)		
Amendment #6 Part 1 total		\$275,000.		
Furniture		\$165,000		
Tech Procurement		\$32,200		
LEED Expenses		\$19,800	BTD	\$1,485.00
RDH Brick Analysis		\$19,250	BTD	\$19,288.32
RDH air tightness Test		\$35,750	BTD	\$16,500
<b>Billing Limits</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
Total Billings		0.00	37,947.07	37,947.07
Limit				746,000.00
Remaining				708,052.93
			<b>Total this Phase</b>	<b>0.00</b>

**Billings to Date**

		<b>Current</b>	<b>Prior</b>	<b>Total</b>
Consultant		0.00	36,462.07	36,462.07
Expense		0.00	1,485.00	1,485.00
<b>Totals</b>		<b>0.00</b>	<b>37,947.07</b>	<b>37,947.07</b>

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Phase	18	HAZMAT Services (Am#6)		
		\$173,157.00 original less Summer Invest Am#5 Amt for LGCI \$29,822.00 + 10% mark up 2,982.20 = \$140,352.80		
<b>Billing Limits</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
Consultants		0.00	6,366.03	6,366.03
Limit				140,352.80
Remaining				133,986.77
			<b>Total this Phase</b>	<b>0.00</b>

**Billings to Date**

		<b>Current</b>	<b>Prior</b>	<b>Total</b>
Consultant		0.00	6,366.03	6,366.03
<b>Totals</b>		<b>0.00</b>	<b>6,366.03</b>	<b>6,366.03</b>

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Phase	19	Geotechnical/Geo-Env Geo-Thermal (Am#6)		
		\$509,883.00 original less Summer Invest Am#5 Amt \$23,890 + 3,139.59 + 10% mark up 2,389 = \$480,464.41 Plus GeoFrac Tank GEI \$3,800		
<b>Billing Limits</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
Consultants		0.00	74,494.68	74,494.68
Limit				480,464.41
Remaining				405,969.73
			<b>Total this Phase</b>	<b>0.00</b>

**Billings to Date**

		<b>Current</b>	<b>Prior</b>	<b>Total</b>
Consultant		0.00	74,494.68	74,494.68
<b>Totals</b>		<b>0.00</b>	<b>74,494.68</b>	<b>74,494.68</b>

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Phase	20	Site Survey (Am#6)		
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\$54,780 original less Summer Invest Am#5 Amt \$5,750 + 10% mark up 575 = \$48,488

Billing Limits	Current	Prior	To-Date
Consultants	0.00	26,216.30	26,216.30
Limit			48,455.00
Remaining			22,238.70
<b>Total this Phase</b>			<b>0.00</b>

**Billings to Date**

	Current	Prior	Total
Consultant	0.00	26,216.30	26,216.30
<b>Totals</b>	<b>0.00</b>	<b>26,216.30</b>	<b>26,216.30</b>

Phase 21 Traffic Studies (Am#6)

Billing Limits	Current	Prior	To-Date
Consultants	0.00	13,750.00	13,750.00
Limit			13,750.00
<b>Total this Phase</b>			<b>0.00</b>

**Billings to Date**

	Current	Prior	Total
Consultant	0.00	13,750.00	13,750.00
<b>Totals</b>	<b>0.00</b>	<b>13,750.00</b>	<b>13,750.00</b>

Phase 23 Geothermal Alternate (Am#6 Part 2) \$471K

Geothermal Design Alternate \$471,000 (breakdown below)  
(MDS \$50,000) ; (GGD \$185K); (Sasaki \$95K); (GEI 141K BTD \$20,721.59)= \$471K

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Architecture - MDS	50,000.00	32.00	16,000.00	5,000.00	11,000.00
MEP/FP - GGD	185,000.00	32.1622	59,500.00	0.00	59,500.00
Geothermal - GEI	141,000.00	18.8806	26,621.70	25,821.60	800.10
Landscape Architecture - Sasaki	95,000.00	4.3553	4,137.50	4,137.50	0.00
Total Fee	471,000.00		106,259.20	34,959.10	71,300.10
<b>Total Fee</b>					<b>71,300.10</b>
<b>Total this Phase</b>					<b>\$71,300.10</b>

**Billings to Date**

	Current	Prior	Total
Fee	71,300.10	34,959.10	106,259.20
<b>Totals</b>	<b>71,300.10</b>	<b>34,959.10</b>	<b>106,259.20</b>
<b>Total this Invoice</b>			<b>\$661,300.10</b>



**PLEASE NOTE NEW BANKING INFORMATION.** Please include invoice number with all payments.

**Billing Questions:** billing@GEIConsultants.com  
**Remittance Detail & AR Questions:** AR@GEIConsultants.com  
**Banking Verification:** 781-721-4102

**ACH or Wire Payments to:**  
 GEI Consultants, Inc.  
 JP Morgan Chase  
 Account Number 928569927  
 ABA Number 021000021  
 SWIFT Code CHASUS33

**Check Payment to:**  
 GEI Consultants Inc.  
 P.O. Box 23916  
 New York, NY 10087-3916

**Attention:** Will Spears  
**Miller Dyer Spears**  
 wspears@mds-bos.com  
 40 Borad St.  
 Ste. 103  
 Boston, MA 02109  
 United States

**Invoice :** 3149458  
**Invoice Date :** 3/11/2024  
**Due Date :** 4/10/2024  
**Project :** 2302441  
**Project Name :** Pierce School Geothermal

For Professional Services Rendered For 1/27/2024 Through 2/23/2024

2101-000

finance@mds-bos.com

T23

2302441 - Pierce School Geothermal

	Fee	% Complete	Billings		
			To Date	Previous	Current
<b>1 - Geothermal</b>					
1 - Test Well Program	70,500.00	96.789	68,236.25	68,236.25	0.00
2 - Well Field Design	35,000.00	76.062	26,621.70	25,821.60	800.10
3 - Construction Administration	106,000.00	0.000	0.00	0.00	0.00
				<b>Current Billings</b>	800.10
				<b>Amount Due This Bill</b>	<u>800.10</u>

**Total Fee :** 211,500.00  
**To Date Billings :** 94,857.95  
**Total Remaining :** 116,642.05

**Yuannian Wang**

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	3145133	1/8/2024	10,262.16	10,262.16
	3146849	1/31/2024	8,980.75	8,980.75
				<u>19,242.91</u>

**Invoice**

**GGD Consulting Engineers, Inc.**  
**375 Faunce Corner Road, Suite D**  
**Dartmouth, MA 02747**

March 26, 2024  
 Project No: 87502101.00  
 Invoice No: 122750

MDS/Miller Dyer Spears Inc.  
 40 Broad Street, Suite 103  
 Boston, MA 02109

Project 87502101.00 Pierce School, Brookline MA

Attn: Mr. Will Spears, AIA, LEED AP, MCPPO

Plumbing, Fire Protection, HVAC, Electrical and Technology Engineering Services.

2101-000

**Professional Services from February 1, 2024 to February 29, 2024**

**Fee**

Phase	Fee	Percent Complete	Fee Earned	Previous Fee Billed	Current Fee Billing
Geothermal Design - DD	50,000.00	100.00	50,000.00	50,000.00	0.00
Geothermal Design - CD	100,000.00	9.50	9,500.00	0.00	9,500.00
Geothermal Design - CA	35,000.00	0.00	0.00	0.00	0.00
Total Fee	2,323,860.00		701,840.00	692,340.00	9,500.00
			<b>Total Fee This Period</b>		<b>9,500.00</b>
			<b>Total this Invoice</b>		<b><u><u>\$9,500.00</u></u></b>

T23

**Invoice**

**GGD Consulting Engineers, Inc.  
375 Faunce Corner Road, Suite D  
Dartmouth, MA 02747**

March 26, 2024  
Project No: 87502101.00  
Invoice No: 122748

MDS/Miller Dyer Spears Inc.  
40 Broad Street, Suite 103  
Boston, MA 02109

Project 87502101.00 Pierce School, Brookline MA

Attn: Mr. Will Spears, AIA, LEED AP, MCPPO

Plumbing, Fire Protection, HVAC, Electrical and Technology Engineering Services. **2101-000**

**Professional Services from February 1, 2024 to February 29, 2024**

**Fee**

Phase	Fee	Percent Complete	Fee Earned	Previous Fee Billed	Current Fee Billing
Geothermal Design - DD	50,000.00	100.00	50,000.00	0.00	50,000.00
Geothermal Design - CD	100,000.00	0.00	0.00	0.00	0.00
Geothermal Design - CA	35,000.00	0.00	0.00	0.00	0.00

**T23**

**Total Fee This Period 50,000.00**

**Total this Invoice \$50,000.00**



Consigli Construction Co., Inc.  
 72 Sumner Street  
 Milford, MA 01757  
 (508)473-2580

Town of Brookline, MA  
 50 School Street  
 BROOKLINE, MA 02445

INVOICE ID: 13  
 DATE: March 31,2024

Period From: 3/1/2024 To: 3/31/2024

Item Id	Description	Contract Amount	Percent Complete	Total Billed	Previous Billed	Total This Invoice
22-000	Brookline - John R. Pierce Sch					
22-100	May Preconstruction Services	16,400.00	100.00 %	16,400.00	16,400.00	
22-200	June Preconstruction Services	16,400.00	100.00 %	16,400.00	16,400.00	
22-300	July Preconstruction Services	16,400.00	100.00 %	16,400.00	16,400.00	
22-400	August Preconstruction Service	8,200.00	100.00 %	8,200.00	8,200.00	
PC-001	Preconstruction Change Order 1	4,288.00	100.00 %	4,288.00	4,288.00	
PC-002	Preconstruction Amendment #2	300,000.00	45.00 %	135,000.00	120,000.00	15,000.00
PC-003	Preconstruction Change Order 2	29,842.54	100.00 %	29,842.54	29,842.54	
PC-004	Preconstruction Change Order 4	6,820.18	100.00 %	6,820.18	6,820.18	
<b>Total</b>		<b>398,350.72</b>	<b>58.58 %</b>	<b>233,350.72</b>	<b>218,350.72</b>	<b>15,000.00</b>

Contract Summary

Original contract amount	357,400.00
Approved changes	<u>40,950.72</u>
Revised contract amount	398,350.72
Invoiced to date	<u>233,350.72</u>
Remaining to invoice	165,000.00
Current Payment Due	<u>\$15,000.00</u>

Percent billed 58.58 %

Retainage balance 0.00

Approved by:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

March 27, 2024

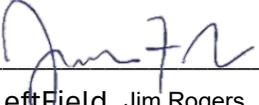
Building Commission  
333 Washington Street  
Brookline, MA 02445

RE: Pierce Project Team Recommendation regarding release of early package for Pierce project

Dear Building Commission Members:

As previously communicated, project team members LeftField, Miller Dyer Spears (MDS), and Consigli, all fully recommend the release of the early package as soon as possible for the following reasons:

1. It saves a year off of project duration.
2. It prevents additional escalation and carry costs totaling approximately \$5.5M to \$10.6M. We do not believe that we will be able to value engineer this much cost out of the current design/scope, meaning the project could require additional funding from the Town.
3. It allows the Architect to uncover potential design issues during demolition.
4. It allows the school to begin communicating with their students, teachers, parents, and administrators about the impending move to a temporary location for the next several school years while Pierce is under construction.
5. It allows Consigil to assign staff to the project.
6. The early package GMP has come in over \$2.5M under the established DD project budget.
7. The filed sub bid(s) expire on April 6. This could require a full re-bid.

  
\_\_\_\_\_  
LeftField Jim Rogers

  
\_\_\_\_\_  
MDS Margaret O. Clark, RA LEED AP BD+C

  
\_\_\_\_\_  
Consigli

**CONSTRUCTION CONTRACT FOR CONSTRUCTION MANAGER AT RISK SERVICES  
AMENDMENT No. 6**

**WHEREAS**, the Town of Brookline (“Owner”) represented by Owner’s Project Manager, LeftField, LLC, entered into a contract (“Contract”) with Consigli Construction Company, Inc. (the “CM at Risk”) (collectively the “Parties”) for construction manager services in association with the design and construction of the John R. Pierce School Project (the “Project”) on May 17, 2022; and

**WHEREAS** CM Contract Amendment No. 1 was approved on August 9, 2022; and  
**WHEREAS** CM Contract Amendment No. 2 was approved on June 13, 2023; and  
**WHEREAS** CM Contract Amendment No. 3 was approved on October 10, 2023; and  
**WHEREAS** CM Contract Amendment No. 4 was approved on February 13, 2024; and  
**WHEREAS** CM Contract Amendment No. 5 was approved on March 12, 2024; and

**WHEREAS** effective as of April 9, 2024, the Parties wish to amend the Contract;

**NOW, THEREFORE**, in consideration of the promises and the mutual covenants contained in this Amendment, and other good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:

- The Owner hereby authorizes this Amendment No. 6 with a total value of \$13,150,019. This Amendment is comprised of Pre-GMP #1 which includes Abatement and Demolition, Cut, Cap and Make-Safe of Plumbing, Mechanical and Electrical and Sitework and is based on Bid Package No. 1, dated January 24, 2024 and Addenda 1 and 2, dated March 4 and March 5, 2024, respectively. The Contract Price in accordance with Articles 6 and 7 of the Owner-Construction Manager Agreement shall be amended as follows:

<u>Fee for Basic Services</u>	<u>Original Contract</u>	<u>Previous Amendments</u>	<u>Amount of This Amendment</u>	<u>After This Amendment</u>
SD Preconstruction Services	\$ 57,400.00	\$ 4,288.00	\$ 0.00	\$ 61,688.00
Preconstruction Services		\$ 341,991.25	\$ 0.00	\$ 341,991.25
Pre-GMP #1		\$ 0.00	\$ 13,150,019.00	\$13,150,019.00
<b>Total Fee</b>	<b>\$ 57,400.00</b>	<b>\$ 346,279.25</b>	<b>\$ 13,150,019.00</b>	<b>\$ 13,553,698.25</b>

- The Project Schedule shall be as follows:

Original Schedule for Substantial Completion: July 21, 2027

Amended Schedule for Substantial Completion: October 29, 2027

- The Construction Budget shall be as follows:

Original Budget: \$168,022,660

Amended Budget:

\$ No Change

This Amendment contains all of the terms and conditions agreed upon by the Parties as amendments to the original Contract. No other understandings or representations, oral or otherwise, regarding amendments to the original Contract shall be deemed to exist or bind the Parties, and all other terms and conditions of the Contract remain in full force and effect.

**IN WITNESS WHEREOF**, the Parties have caused this amendment to be executed by their respective authorized officers.

**OWNER:  
TOWN OF BROOKLINE**

By executing this Agreement, the undersigned authorized signatory of Owner, who incurs no personal liability by reason of the execution hereof or anything herein contained, hereby certifies under penalties of perjury that this Contract is executed in accordance with a prior approval of the Town of Brookline.

**By:** See Attached Signature Page for Town      **Date:** April 9, 2024

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**CM at RISK:  
CONSIGLI CONSTRUCTION COMPANY, INC.**

**By:** \_\_\_\_\_      **Date:** \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**APPROVED AS TO FORM:**

**By:** \_\_\_\_\_      **Date:** April 9, 2024

Name: \_\_\_\_\_

Title: \_\_\_\_\_



# TOWN OF BROOKLINE JOHN R. PIERCE SCHOOL



## **EARLY SITE & DEMOLITION GMP**

### **TOWN OF BROOKLINE**

John R. Pierce School Project

### **SUBMITTED BY:**

Consigli Construction Co., Inc.  
Jody Staruk, LEED AP, Project Executive  
(508) 922-0822 | [jstaruk@consigli.com](mailto:jstaruk@consigli.com)

March 7, 2024

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# TABLE OF CONTENTS

Town of Brookline, John R. Pierce School



## The Right Choice

Consigli is a fourth-generation, family-led organization that offers the resources and experience of one of the strongest construction management firms in the Northeast and Mid-Atlantic with the creativity and flexibility of a start-up.

- 1.** Trade Summary
- 2.** Assumptions & Qualifications
- 3.** General Conditions & General Requirements
- 4.** Leveling Sheets
- 5.** Estimate Phase 1 only
- 6.** Estimate Phase 2 only

Town of Brookline, John R. Pierce School

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# 1 | Trade Summary



**CONSIGLI**  
*Est. 1905*

**Pierce School**  
**Brookline, MA**

DD Estimate  
3/7/2024



WBS	DESCRIPTION	Control Budget (DD Estimate w/VM)		Phase 1 Breakout from Control Estimate	Phase 1 GMP Draft	Variance	Remaining Budget
		2/1/2024 231,420 SF		2/1/2024	3/7/2024		
02.00	Final Cleaning	1.40	323,988	-	-	-	323,988
02.01	Demolition and Abatement	31.87	7,374,462	7,374,462	6,098,087	(1,276,375)	1,276,375
03.01	Concrete	41.76	9,664,816	-	-	-	9,664,816
03.04	Gypsum Cement Underlayment	1.63	378,000			-	378,000
04.01	Masonry (TS)	17.11	3,959,976			-	3,959,976
05.01	Structural Steel	34.81	8,056,508			-	8,056,508
05.03	Misc Metal (TS)	13.44	3,110,312			-	3,110,312
06.01	Rough Carpentry	4.20	972,910			-	972,910
06.02	Finish Carpentry	7.95	1,839,433			-	1,839,433
06.03	Historic Salvage & Reuse	0.13	30,784			-	30,784
07.01	Waterproofing & Caulking (TS)	9.36	2,165,930			-	2,165,930
07.02	Roofing (TS)	9.38	2,171,684			-	2,171,684
07.06	Exterior Wall Panels	12.50	2,893,714			-	2,893,714
07.07	Slate Siding	2.07	478,933			-	478,933
07.09	Fireproofing	2.88	665,603			-	665,603
08.01	Curtain-Walls (TB)	21.97	5,083,433			-	5,083,433
08.02	Glass & Glazing (TS)	4.60	1,064,825			-	1,064,825
08.04	Doors and Hardware	4.92	1,138,880			-	1,138,880
08.07	Overhead Doors	0.10	23,296			-	23,296
09.01	Drywall & Carpentry	34.40	7,959,824			-	7,959,824
09.02	Tile (TS)	3.26	754,430			-	754,430
09.03	Acoustical Tile (TS)	5.11	1,183,463			-	1,183,463
09.05	Resilient Flooring (TS)	4.46	1,032,209			-	1,032,209
09.06	Terrazzo (TS)	3.72	859,871			-	859,871
09.07	Painting (TS)	3.79	877,480			-	877,480
09.60	Polished Concrete	0.20	45,398			-	45,398
09.64	Wood Flooring	1.05	241,947			-	241,947
09.65	Epoxy Flooring	0.81	187,487			-	187,487
09.68	Carpet & Mats	0.70	161,173			-	161,173
09.80	Acoustical Panels	2.03	469,506			-	469,506
10.02	Signage	0.89	206,225			-	206,225
10.03	Specialties	3.71	858,121			-	858,121
11.02	Food Service Equipment	3.41	790,270			-	790,270
11.03	Parking Equipment	-	-			-	-
11.04	Stage Curtain & Rigging	0.96	221,919			-	221,919
11.05	Gymnasium Equipment	1.26	290,854			-	290,854
11.06	Parking Equipment	0.43	100,000			-	100,000
11.07	Window Washing Equipment	0.60	140,000			-	140,000
12.02	Window Treatment	1.23	284,818			-	284,818
12.30	Manufactured Casework	7.88	1,822,757			-	1,822,757
14.01	Elevator (TS)	3.27	757,100			-	757,100
21-01	Fire Protection (TS)	8.07	1,868,091			-	1,868,091
22-01	Plumbing (TS)	18.82	4,355,131	22,594	22,594	-	4,332,537
23-01	HVAC (TS)	76.79	17,771,347	22,594	22,594	-	17,748,753
26-01	Electrical (TS)	62.40	14,439,896	292,140	309,495	(17,355)	14,130,401
26-02	Photovoltaic	-	-			-	-

**Pierce School**  
**Brookline, MA**

DD Estimate  
3/7/2024



WBS	DESCRIPTION	Control Budget (DD Estimate w/VM)		Phase 1 Breakout from Control Estimate	Phase 1 GMP	Variance	Remaining Budget	
		2/1/2024 231,420 SF		2/1/2024	3/7/2024			
31.22	Sitework	54.41	12,591,513	2,551,610	2,543,250	(8,360)	10,048,263	
32.02	Site Concrete	4.82	1,115,608			-	1,115,608	
32.03	Landscaping & Site Improvements	13.72	3,175,267			-	3,175,267	
33.04	Geothermal Wells	14.99	3,468,800			-	3,468,800	
<b>SUBTOTAL 0</b>		<b>559</b>	<b>129,427,992</b>	<b>10,263,400</b>	<b>8,996,020</b>	<b>(1,267,380)</b>	<b>120,431,972</b>	
	Design/Estimate Contingency	27.96	6,471,400	615,804	-	(615,804)	6,471,400	
	Escalation	19.57	4,529,980	410,536	-	(410,536)	4,529,980	
<b>SUBTOTAL 1 (TRADE COSTS)</b>		<b>607</b>	<b>140,429,372</b>	<b>11,289,740</b>	<b>8,996,020</b>	<b>(2,293,720)</b>	<b>131,433,352</b>	
	SDI / Subcontractor Bonds	1.40%	4.11	950,792	143,371	121,611	(21,760)	829,181
	Building Permit	0.00%	-	-	-	-	-	
<b>SUBTOTAL 2</b>		<b>611</b>	<b>141,380,164</b>	<b>11,433,111</b>	<b>9,117,631</b>	<b>(2,315,480)</b>	<b>132,262,533</b>	
	General Conditions	45.65	10,563,556	2,879,865	2,724,207	(155,658)	7,839,349	
	Winter Conditions	2.16	500,000	30,000	30,000	-	470,000	
	General Requirements	18.33	4,241,405	460,328	460,328	-	3,781,077	
	P&P Bond	0.67%	4.86	1,124,657	99,182	87,984	(11,198)	1,036,673
	Builder's Risk	3.15	730,000	-	-	-	730,000	
	Insurance	1.20%	8.70	2,014,312	178,830	157,582	(21,248)	1,856,730
<b>SUBTOTAL 2</b>		<b>694</b>	<b>160,554,094</b>	<b>15,081,316</b>	<b>12,577,732</b>	<b>(2,503,584)</b>	<b>147,976,362</b>	
	Construction Contingency	2.50%	18.05	4,177,147	377,033	314,443	(62,590)	3,862,704
<b>SUBTOTAL 4</b>		<b>712</b>	<b>164,731,241</b>	<b>15,458,349</b>	<b>12,892,176</b>	<b>(2,566,173)</b>	<b>151,839,065</b>	
	CM Fee	2.00%	14.22	3,291,359	309,167	257,844	(51,323)	3,033,515
<b>TOTAL COST</b>		<b>726</b>	<b>168,022,600</b>	<b>15,767,516</b>	<b>13,150,019</b>	<b>(2,617,497)</b>	<b>154,872,581</b>	

Town of Brookline, John R. Pierce School

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## 2 | Assumptions & Qualifications



**CONSIGLI**  
*Est. 1905*

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## ASSUMPTIONS & QUALIFICATIONS

### PIERCE SCHOOL

BROOKLINE, MA  
EARLY RELEASE GMP  
MARCH 7, 2024



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### GENERAL

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1. Pricing is based on the following:
  - a. Early Demo & Site Enabling Drawings and Specifications by Miller Dyer Spears dated January 24, 2024.
  - b. Addendum #1 dated March 4, 2024, Addendum #2 dated March 5, 2024.
  - c. Structural drawings from Design Development set dated 11/22/23 (as required for SOE).
  - d. Partial set of 1970 construction drawings by William Warner and Davie/Wolf dated 11/12/70.
    - 1) Civil – 6 drawings
    - 2) Architectural – 42 drawings
    - 3) Structural – 35 drawings
    - 4) Fire Protection – 5 drawings
    - 5) Plumbing – 13 drawings
    - 6) Mechanical – 13 drawings
    - 7) Electrical – 21 drawings
2. Testing and/or inspections are not included.
3. Builders Risk Insurance is not included for this early release mini-GMP.
4. A Payment and Performance Bond is included for this portion of the work only.
5. Building permit cost is not included, it is our understanding that it has been waived by the Town.
6. Subcontractor insurances for non-Trade contractors are included per Consigli standard subcontract.
7. Utility company back charges, user fees, consumption costs are excluded.
8. Work hours are assumed to be normal business hours (7:00AM to 3:00PM) Monday to Friday. Overtime, phasing, or off-hours work costs are not included.
9. Fire watch is included, as required.
10. Site Security costs or provisions are not included.
11. Sidewalk and street closure permits are not included.
12. We have assumed that parking spots along Harvard and School Street will be available for construction activities and that there will be no fee for lost parking meter revenue.
13. CM Preconstruction Costs are not included.
14. Temporary classrooms and/or relocations costs are excluded.
15. Delegated design is to be limited to:
  - a) Support of Excavation
  - b) Underpinning
16. Temporary pest control is included on-site only.
17. Removal and/or relocation of furniture and loose equipment is not included and is assumed to be done prior to the start of construction.
18. Air testing for dust, if required is to be by Owner.
19. Subcontractors have included police detail while working on public street (to cut & cap utilities) and as required for the bridge demolition. Additional police detail is carried as an allowance, noted below.

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## ASSUMPTIONS & QUALIFICATIONS

### PIERCE SCHOOL

BROOKLINE, MA  
EARLY RELEASE GMP - DRAFT  
MARCH 7, 2024



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### ALLOWANCES

20. Additional unforeseen abatement - \$500,000
21. Brookline CMP traffic control implementation - \$150,000
22. Vibration monitoring/testing - \$75,000
23. Pre-demolition survey of adjacent properties - \$50,000
24. Additional police detail for demolition - \$75,000
25. Removal of unforeseen building foundations and debris (remnants from 1971 demo) - \$80,000
26. Fire watch for demolition - \$75,000
27. Repairs and/or improvements to 68 Harvard Street Stairs, due to no fault of site contractor - \$50,000
28. General dewatering due to storms over 2" - \$50,000
29. Water treatment (settlement tank included with base bid) prior to discharge to town storm - \$40,000
30. Test pits (ie at Library and 68 Harvard Street) – \$50,000
31. Underpinning at 68 Harvard Street stairs/retaining wall - \$75,000
32. Unforeseen obstructions while pre-excavating for SOE- \$80,000
33. Additional police detail for site - \$10,000

---

### DEMOLITION & ABATEMENT

34. Separating and cleaning of salvaged brick can occur in phase 2 and is not part of this GMP.
35. Salvaging of historic frieze is excluded from this phase.
36. For the purpose of PCB disposal, we assume that foundation dampproofing is not classified as a sealant.
37. A non-traditional asbestos abatement plan will be required. The draft will be prepared by the demolition/abatement contractor, however the final report must be submitted by the Environmental Engineer of Record.
38. Asbestos abatement report prepared by PEER does not provide quantities for some items. Quantities have been included as follows:
  - c) Note 6 – Slate, mastic, tar paper, underlayment and wood deck – 12,000 sf
  - d) Note 24 – Cementitious mud fittings such as elbows, valves, t-connections, pipe connections – 500 ea
  - e) Presumed ACM letter B – electrical panels – 5 ea
  - f) Presumed ACM letter C – flex collectors at air-handling systems – 50 ea
  - g) Presumed ACM letter D – perimeter flashing – 3,200 sf
  - h) Presumed ACM letter C – flex collectors at air-handling systems – 50 ea

---

### SITWORK

39. Existing loam is to be removed and disposed of off-site as clean unregulated soil.
40. Cuts and fills to proposed subgrades will be done in phase 2 and is not part of the early site-work. For safety purposes trenches will be filled, otherwise grades will be left as-is after the building foundations are removed.
41. We have anticipated the use of drilled soldier piles and lagging for support of excavation. Soil nails will be required.

Town of Brookline, John R. Pierce School

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## 4 | Leveling Sheets



**CONSIGLI**  
*Est. 1905*

Demolition & Abatement	Total:	\$ 6,098,087	\$ 6,640,000	\$ 6,320,000	\$ 6,904,087	\$ 650,000
<b>Pierce School (Brookline, MA) / Early Release - Demolition &amp; Abatement</b>		JDC Demolition Company, Inc. (508) 897-8090 barcand@jdcdemolinc.com Brian Arcand	Costello Dismantling Co., Inc. (508) 291-2324 dan@costelldismantling.com Daniel T. Costello	J.R. Vinagro Corporation (401) 943-7100 easkew@jvinagorcorp.com Eric Askew	Select Demo Services, LLC (603) 386-0391 smarcone@selectdemoservices.com Sarah Marcone	Riggs Contracting Inc. <a href="mailto:tyler.rogers@riggs-co.com">tyler.rogers@riggs-co.com</a> Tyler Rogers
Amount in Estimate: <b>\$ 7,374,462</b> Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024						
<b>CONTRACT DOCUMENTS</b>						Select Demo Only
Drawings, Early Demo & Site Enabling prepared by: <b>MDS/Miller Dyer Spears dated 1/30/24</b>		Y	Y	Y	Y	Y
Drawings from DD set prepared by: <b>MDS / Miller Dyer Spears dated 11/22/23</b>		Y	Y	Y	Y	Y
02 Civil (partial) - 7 drawings		Y	Y	Y	Y	Y
1970 construction set drawings prepared by: <b>William Warner and Davies/Wolf dated 11/12/70</b>		Y	Y	Y	Y	Y
01 Civil - 6 drawings		Y	Y	Y	Y	Y
02 Architectural - 42 drawings		Y	Y	Y	Y	Y
03 Structural - 35 drawings		Y	Y	Y	Y	Y
04 Fire Protection - 5 drawings		Y	Y	Y	Y	Y
05 Plumbing - 13 drawings		Y	Y	Y	Y	Y
06 Mechanical - 13 drawings		Y	Y	Y	Y	Y
07 Electrical - 21 drawings		Y	Y	Y	Y	Y
Specifications prepared by: _____ dated _____ including:						
Section 017419.01 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL		Y	Y	Y	Y	Y
Section 024116 - STRUCTURE DEMOLITION		Y	Y	Y	Y	N
Section 024119 - SELECTIVE DEMOLITION		Y	Y	Y	Y	Y
Section 026500 - UNDERGROUND STORAGE TANK REMOVAL		Y	Y	Y	Y	N
Section 028200.01 - ASBESTOS ABATEMENT		Y	Y	Y	Y	N
Section 028200.02 - ASBESTOS ABATEMENT		Y	Y	Y	Y	N
Section 028319 - LEAD SAFE PRACTICES		Y	Y	Y	Y	N
Section 028416 - UNIVERSAL WASTE		Y	Y	Y	Y	N
Appendix B - Hazardous Building Materials Inspection, "1974 Building" by Peer Consultants dated 11/2/23		Y	Y	Y	Y	N
Appendix C - Hazardous Building Materials Inspection, - "Historic Building" by Peer Consultants dated 11/4/23		Y	Y	Y	Y	N
Addenda prepared by: _____		N/A	N/A	N/A	N/A	N/A
Addendum __ dated _____		N/A	N/A	N/A	N/A	N/A
Compliance with all Division 0 and 1 Specifications as applicable.		Y	Y	Y	Y	Y
Compliance with Owner's contract		TBD	TBD	TBD	TBD	TBD
Compliance with Consigli contract		Y Includes Ryder	Y	Y	Y	Y
Consigli Supplemental Attachment A - Schedule dated 1/10/2024		Y	Y	Y	Y	Y
Consigli Supplemental Attachment B - Logistics/CMP Plan 1/10/2024		Y	Y	Y	Y	Y
Consigli Supplemental Attachment C - Lean Requirements		Y	Y	Y	Y	Y
Consigli Supplemental Attachment D - Quality Plan		Y	Y	Y	Y	Y
Consigli Supplemental Attachment E - Textura Construction Payment Management System Information January 2023		Y	Y	Y	Y	Y
Consigli Supplemental Attachment F - Project Safety Requirements December 2023		Y	Y	Y	Y	Y
Consigli Supplemental Attachment G - 3D Coordination Specification dated 6.9.23 (as applicable to this trade)		Y	Y	Y	Y	Y
Consigli Supplemental Attachment H - Site Specific COVID19 Safety Plan dated 2.6.2023		Y	Y	Y	Y	Y
Consigli Supplemental Attachment J - Zero Tolerance for Harassment or Bias		Y	Y	Y	Y	Y
DELEGATED DESIGN - as applicable per specifications		N/A	N/A	N/A	N/A	N/A
<b>SCOPE OF WORK</b>			\$ 5,295,000			
<b>GENERAL</b>						
Provide all labor, materials, and equipment as required to complete the scope of work as shown on the drawings, and as further described below.		Y	Y	Y	Y	Y
Specific items identified below are intended as a reference for scope only. Subcontractor is responsible for providing all items for their work and related work shown on the drawings, as specified, or needed to make this scope of work complete.		Y	Y	Y	Y	Y
Inclusion of all reference keynotes and general notes shown on drawings, as applicable to this trade.		Y	Y	Y	Y	Y
<b>017419.01 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL</b>						
Waste disposal requirements and administration to be in accordance with this specification.		Y	Y	Y	Y	N
<b>024116 STRUCTURE DEMOLITION</b>						
Separate and demolish 1974 school building complete		Y	Y	Y	Y	N
Demolish pedestrian bridge and bridge tower		Y	Y	Y	Y	N

Demolition & Abatement		Total:	\$ 6,098,087	\$ 6,640,000	\$ 6,320,000	\$ 6,904,087	\$ 650,000
<b>Pierce School (Brookline, MA) / Early Release - Demolition &amp; Abatement</b>			JDC Demolition Company, Inc. (508) 897-8090 barcand@jdcdemolinc.com Brian Arcand	Costello Dismantling Co., Inc. (508) 291-2324 dan@costelodismantling.com Daniel T. Costello	J.R. Vinagro Corporation (401) 943-7100 easkew@jvinagorcorp.com Eric Askew	Select Demo Services, LLC (603) 386-0391 smarcone@selectdemoservices.com Sarah Marcone	Riggs Contracting Inc. <a href="mailto:tyler.rogers@riggs-co.com">tyler.rogers@riggs-co.com</a> Tyler Rogers
Amount in Estimate:	<b>\$ 7,374,462</b>						
	Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024						
	Expose, separate and remove all foundations and slabs	Y	Y	SOE by others	Y	Y	N
	Expose and remove buried piping within building footprint	Y	Y	Cut/cap by others	Y	Y	N
	Sequence work at garage connection per drawing SD2.00	Y	Y		Y	Y	N
	Areaways, tunnels associated with school	Y	Y		Y	Y	N
	Engineering of demolition sequence so that slabs and retaining walls can be safely demolished without adverse affect to adjacent utilities and structures	Y	Refer to proposal on breakout pricing for earth retention, temp berm, & tie backs	Y	Y	Y	N
	<b>Shoring and/or other temporary conditions required for proper and safe demolition of the building</b>	Y		Pending	Pending	N	N
	Infill holes and trenches that are a safety hazard	Y	Rough grade only	Y	Y	Y	N
<b>024119</b>	<b>SELECTIVE DEMOLITION</b>			Y			\$ \$ 650,000
	Complete gut of the historic building including but not limited to:	Y		Y	Y	Y	Y
	Removal of windows and exterior doors	Y		Y	Y	Y	Y
	Cutting of masonry for new or enlarged openings	Y		Y	Y	Y	Y
	Cutting and removal of concrete slab as shown on demo, architectural and structural drawings.	Y		Y	Y	Y	Y
	Cut and remove of structural framing and sheathing for new openings	Y		Y	Y	Y	Y
	Temporary shoring of existing woof framing in members as required	Y		Y	Y	N	N
	Design of shoring by professional engineer	Y		Y	Y	Y	Y
	Remove roof system as required	N		Y	Y	Y	Y
	Survey & layout	N		N	N	N	N
	<u>Add'l work associated w/ the historic building</u>				Y	Y	Y
spec 210300	Fire Protection Sub-contractor shall disconnect and make-safe all existing Fire Protection equipment. The existing Fire Service and Double Check Valve Assembly shall remain unaltered. The existing Fire Protection systems shall be demolished and removed by the Demolition Contractor. The Demolition Contractor shall cut, lower to the floor, stack and remove all existing to be removed Fire Protection equipment and systems from the building and dispose of in a legal manner.	Y		w/ Building demo	Y	Y	Y
	Plumbing contractor is to cut and demo as shown on plumbing drawings. All other plumbing separation and removal by demolition contractor	Y		Y	Y	Y	Y
MD1.00 note 1	HVAC contractor shall drain down, disconnect, cut and cap and make safe the existing hot water boiler plant and all existing to be demolished HVAC eqp.	Y		Y	Y	Y	Y
MD1.00 note 3	All demolition, removal and disposal shall be by the demolition contractor.	Y		Y	Y	Y	Y
MD1.00 note 4	Demo contractor to cut, drop and dispose of all heating equipment, piping, insulation, ductwork and accessories	Y		Y	Y	Y	Y
MD1.00 note 5	Demo contractor to remove and reclaim and/or dispose refrigerants by a licensed refrigeration technician.	Y		Y	Y	Y	Y
spec 260300	All demolition and removal of electrical systems and equipment designated to be demolished shall be by the Demolition Subcontractor. Once the E.C. has made safe the area slated for demolition the Demolition Subcontractor shall stack all demolished electrical hazardous materials (PCB lighting ballasts and fluorescent lamps) and properly dispose of. All hazardous electrical materials shall be legally disposed by the Demolition Contractor.	Y		Y	Y	Y	Y
	<b>Demo of existing masonry openings (interior/exterior) within Historic Bldg</b>		Pending	Pending	Pending	Pending	Pending
<b>026500</b>	<b>UNDERGROUND STORAGE TANK REMOVAL</b>						
par 3.5	remove 5,000 gall fuel oil UST and associated piping and alarm system	Y		Y	Y	Y	N
par 1.3.C.6	collect, transport and dispose of all liquids from the UST. Base bid to include 2,500 gallons of No. 2 fuel oil.	Y		Y	Y	Y	N
par 1.3.C.7	legally dispose of 100 cy = 170 ton of suspect petroleum contaminated soils. Soil to be disposed of at a facility such as Ondrick in Chicopee MA	Y		Y	Y	Y	N
par 1.3.C.9	analytical testing, reporting, loading, transportation and disposal of 1,000 gallons of petroleum contaminated water at a disposal facility permitted to accept petroleum contaminated water	Y		Y	Y	N	N
	Remove pavement and site improvements as outlined in the spec	Y		Y	Y	N	N
par 3.4.A	collect, test and analyze USAT liquid content samples	Y		Y	Y	N	N
par 3.5.C	Demo contractor to excavate to expose tanks in accordance with specifications			Y	Y	Y	N
	Provide offsite structural fill for backfill	Y		Y	Y	N	N
par 3.6	clean tank and dispose of any remaining sludge	Y		Y	Y	Y	N
par 3.7	dismantle UST as required for disposal, pay for disposal costs	Y		Y	Y	Y	N
<b>028200.01</b>	<b>ASBESTOS ABATEMENT (1974 School)</b>						
	Section complete	Y		N INCOMPLETE. NOTE: NTWP BULK LOADING OF ENTIRE FAÇADE INCLUDED	Y	Y	N

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Amount in Estimate: <b>\$ 7,374,462</b> Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024							
<b>028200.02</b>	<b>ASBESTOS ABATEMENT (Historic Building)</b>						
	Section complete	Y		N INCOMPLETE.	Y	Y	N
<b>028319</b>	<b>LEAD SAFE PRACTICES</b>						
	Section complete	Y		Y	Y	Y	N
<b>028416</b>	<b>UNIVERSAL WASTE</b>						
par 1.5.B	Legal disposal of hazardous materials listed in par 1.5.B, 1 thru 14. demolition contractor is to include quantities as found. There will be no adjustment to cost on these items.	Y		EXCLUDES PCB TRANSFORMER OILS IF FOUND	Y	Y	N
	<u>Removal and legal disposal of:</u>						
	Kohler power generator and tank	Y		Y	Y	Y	N
	350 gallons of deisel fuel associated with generator	Y		Y	Y	Y	N
	Hydraulic tank and system associated with elevator	Y		Y	Y	Y	N
	20 gallons of hydraulic oil	Y		Y	Y	Y	N
		Y			Y	Y	N
	<u>Salvaging of Building Component</u>	Y			Y	Y	N
	Remove and salvage to location on site (as directed by Consigli Superintendent)			N			
C1-10	Above ground metal roof downspout to 10' above grade			N		N	N
		Y			Y		
	Includes salvage of existing items as noted	Y		N	Y		
	Turn over to Owner, place in storage within 100' of building			N		N	N
		Y			Y		
	<u>Miscellaneous</u>						
	Visited site	Y		Y		Y	N
	New concrete footing in lieu of shoring	C \$ 200,000		C \$ 200,000	C \$ 200,000	C \$ 200,000	N
	Pedestrian bridge removal	Y		Y	Y	Pending	N
	Traffic management - Pedestrian bridge removal	Y		Y	N	Pending	N
	UST/Contaminated Soils Removal	Y		Y	Y	Y	N
	Shoring at parking garage	Y		N	Y	Pending	N
	Underpinning at historic bldg connector	Y		N	N	Pending	N
	Traffic Management	Y		N	N	Pending	N
	Earthberm to facilitate sheathing & temp earth support	N w/ sitework		N w/ sitework	N w/ sitework	N w/ sitework	N
	Pre-trenching for sheathing	N w/ sitework		N w/ sitework	N w/ sitework	N w/ sitework	N
	SOE - Sheathing	N w/ sitework		N w/ sitework	N w/ sitework	N w/ sitework	N
	Pre-demolition investigation	Y		Y		Y	N
	Pollution insurance: \$5 mil (as required for demolition & abatement)	Y		Y	Y	Y	N
	Layout & identify elements to be demolished	N		Cut Lines to be confirmed by CCC	Y	N	N
	Include all permits, licenses & fees required for the work of this trade	Y assumed permit fees waived by town		Excludes Fees	Y	Y	N
	Provide all dumpsters, trucking, & legal disposal of debris. Pay any & all fees associated with disposal.	Y		Y	Y	Y	N
	Provide means to remove debris from building, as required for demolition operations	Y		Y	Y	Y	N
	Includes police details as required for this work	N Except for work directly in street (traffic control related to bridge removal)		N Except for work directly in stre	N	N	N
	Include trash chutes as required	Y		Y	Y	Y	N
	Provisions for dust & debris control measures	Y		Y	Y	Y	N
	Roof safety fall protection while performing work at roof level (as applicable).	Y		Y	Y	Y	N
<b>QUANTITIES</b>							
	Avg. workers on site	15 Workers		24 Workers	20 Workers	25-35 workers	As Required
	Manhours (Including all sub tier hours)	22,000 Hours		26,400 Hours	25,000 Hours	15,200 mh	As Required
	Dumpsters / Loads	900 Loads		23,150 Tons / 772 Loads	750 Loads	1,510 loads	As Required
	Abatement / Mega boxes					Q=400	
	Brick façade					5,200 ton in base bid (V= \$1,117,713)	
	Impacte ACM foundations (note #4 on report)					11,300 SF / 950 Tons	

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Amount in Estimate: <b>\$ 7,374,462</b> Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024							
<b>BREAKOUT VALUES (\$\$ - included in values above)</b>							
	Selective demolition of historic building		\$ 633,000	V=\$659,000.	\$ 600,000	\$ 598,000	V=\$650,000.
	Complete separation and demolition of existing school		\$ 2,818,300	V=\$2,290,000.	\$ 1,900,000	\$ 3,377,000	N/A
	Shoring Foundation/Retaining Wall on North Side for Demo prior to SOE			Refer to Hold			N/A
	Abatement -Historic building		\$ 99,000	V=\$200,000.	\$ 250,000	\$ 200,000	N/A
	Abatement - 1974 school		\$ 890,000	V=\$1,987,000.	\$ 2,080,000	\$ 1,240,000	N/A
Tank Removal	Universal waste & hazardous material disposal		\$ 50,000	V=\$84,000.	\$ 50,000	\$ 60,000	N/A
	UST/Contaminated Soils Removal		\$ 77,700	V=\$75,000.	\$ 70,000	\$ 25,000	N/A
	Pedestrian bridge removal		\$ 53,000			Y w/ABOVE	N/A
SD1.02??	Removal of Historic Bldg Remnants (Burned Bldg Foundation)		\$ 29,200			C \$ 29,200	N/A
	Slab Demolition		\$ 48,000			Y w/ABOVE	N/A
Dwg SD1.00	Shoring at parking garage <u>Note:</u> Excludes shoring (SD1.02)		\$ 29,887		V=\$60,000.	O \$ 29,887	N/A
Dwg SD1.02	Underpinning at historic bldg connector		\$ 65,000	O \$ 65,000	O \$ 65,000	O \$ 65,000	N/A
	Traffic Management		\$ 25,000	Y	O \$ 25,000	Y	N/A
	Earthbern to facilitate sheathing & temp earth support	N w/ Sitework		N w/ Sitework	N w/ Sitework	N w/ Sitework	N/A
	Pre-trenching for sheathing	N w/ Sitework		N w/ Sitework	N w/ Sitework	N w/ Sitework	N/A
	SOE - Sheathing	N w/ Sitework		N w/ Sitework	N w/ Sitework	N w/ Sitework	N/A
<b>ADDITIONAL PROJECT-SPECIFIC REQUIREMENTS</b>							
	Tax exempt	Y		Y	Y	Y	Y
	All manufacturers, materials and finishes as shown and specified.	Y		Y	Y	NA	NA
	Includes performance and quality requirements as specified.	Y		Y	Y	Y	Y
	Includes all submittals, shop drawings, warranties, etc. as specified and required.	Y		Y	Y	Y	Y
	Prevailing wage	Y		Y	Y	Y	Y
	Union laborers	Y		Y	Y	Y	Y
	Layout from control provided by GC.	N		Y Cut Lines to be confirmed by CCC	Y	Y	Y
	Includes all field measurements as required.	Y		Y Cut Lines to be confirmed by CCC	Y	N	N
	All hoisting and rigging of equipment and materials as required to complete the work of this Subcontract.	Y		Y	Y	Y	Y
	All equipment including staging/ladders/lifts etc. as required to complete the work of this trade.	Y		Y	Y	Y	Y
	Includes protection of all materials/equipment supplied by this subcontractor, stored on site.	Y		Y	Y	Y	Y
	6'0" fall protection.	Y		Y	Y	Y	Y
	All subcontractors shall be required to provide all workers with ANSI type 2 or EN12492 helmets with chinstrap retention in lieu of standard construction hardhats while working on Consigli project sites.	Y		Y	Y	Y	Y
	Provisions for off-hour work as required.	N		N Not Anticipated	N	Y	Y
	Temp. shutdowns of existing systems (work arounds), as required for completion of the work of this trade, including off-hours work (if applicable).	Y		N Not Anticipated	Y	Y	Y
	Inclusion of all materials & labor price increases for the duration of the project.	Y		Y	Y	Y	Y
	Inclusion of any and all tariffs in place, and known about, as applicable, at the time of a signed contract agreement.	Y		Y	Y	Y	Y
	All offsite storage costs required for the completion of work of this trade.	Y		N/A	Y	Y	Y
	Complete work of this trade as shown on all contract documents including A's, S's, MEP's etc.	Y		Y	Y	Y	Y
	All requisitions are to be done on Textura software.	Y		Y	Y	Y	Y
	<u>LBE Requirements</u>						
	<i>Subcontracting Goals: MBE 5.1% / WBE 7.9% (To Be Confirmed)</i>						
	Define What is Figured		\$633,000. of WBE participation (select demo)	\$669,000. of WBE participation (scope pending) // \$2,711,000. of MBE (scope)	\$400,000 of WBE participation to T&D ACM // \$50,000 of MBE to		
	<u>Workforce goals</u>						
	<i>Minority and Women Workforce Participation: MBE 5.1% / WBE 7.9%</i>	Y		Y	Y	Y	Y
<b>EXCLUSIONS</b>							
	Tax		Y	Y	Y	Y	Y

Demolition & Abatement	Total:	\$ 6,098,087	\$ 6,640,000	\$ 6,320,000	\$ 6,904,087	\$ 650,000
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Amount in Estimate: <b>\$ 7,374,462</b>						
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024						
Performance & payment bond		Y	Y	Y	Y	Y
Site demolition except as specifically noted above		Y	Y	Y	Y	Y
Storage for items to be salvaged		Y	Y	Y	Y	Y
Reinstallation of items to be salvaged		Y	Y	Y	Y	Y
Sitework/SOE		Y	Y	Y	Y	Y
Third party air/vibration monitoring, testing and pre-demolition surveys		Y	Y	Y	Y	Y
Permit fees		Y	Y	Y	Y	Y
MEP make safe	Y	Y	Y	Y	Y	
Cutting & capping of utilities	Y	Y	Y	Y	Y	
Power & water	Y	Y	Y	Y	Y	
City bonds/sidewalk permits	Y	Y	Y	Y	Y	
Salvaging of items for reuse	Y	Y	Y	Y	Y	
Coring/penetrations for MEP trades	Y	Y	Y	Y	Y	
<b>SCHEDULE REQUIREMENTS</b>						
<u>Lead Times</u>						
Notifications/Submittals/Samples	WKS	2-3 weeks	2 weeks	2 Weeks		As Required
NTWP (Non-Traditional Work Plan)		4-6 weeks		6 weeks		As Required
Engineering/Shop drawings	WKS		4 weeks	4 weeks		As Required
Materials (from approval)	WKS	N/A		2 Weeks		As Required
<u>Removal Times:</u>						
<u>Abatement</u>						
Historic Bldg.		12 weeks	8 weeks (TBC)			N/A
		V=2 weeks	Per Consigli Schedule dated (1/10/2024)			N/A
Bldg Demo'd		V=10 weeks	Per Consigli Schedule dated (1/10/2024)			N/A
Select Demolition - Historic Building		8-9 weeks	Per Consigli Schedule dated (1/10/2024)			As Required
Building Demolition		13-14 weeks	Per Consigli Schedule dated (1/10/2024)			N/A
Schedule of work per Consigli Supplemental Attachment A - Schedule updated (1/10/2024)	Y		Y	Y	Y	Y
<u>Project Schedule:</u>						
Consigli Project Start Date: June 2024	Y		Y	Y	Y	Y
Consigli Project Completion Date: Fall 2027	Y		Y	Y	Y	Y
Approximate Abatement Start Date: July 2024		Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	N/A
Approximate Abatement Completion Date: February 2025		Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	N/A
Approximate Demo Start Date: October 2024		Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)
Approximate Demo Completion Date: February 2025		Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)	Per Consigli Schedule dated (1.10.2024)
Provisions for phasing as required	Y		Y	Per Schedule	Y	Y
Includes all mobilizations as required	Y		Y Q=3 Mobs	Yes	Y	Y
<b>ADDITIONAL QUALIFICATIONS AND REQUIREMENTS</b>						
<u>Contract Terms &amp; Conditions</u>						
Review CCCI contract terms & conditions	Y		Y	Y	Y	Y
Agree with standard subcontract language	Y		Y	Y	Y	Y
Payment terms: PAY WHEN PAID, 5% retainage					Y	Y
Liquidated damages						
<u>Insurance Coverages and Safety</u>						
Capable of providing insurance coverages as required	Y		Y	Y	Y	Y
General Liability: \$1 mil, \$2 mil general aggregate	Y		Y	Y	Y	Y
GL aggregate limit is per project, not per policy	Y		Y	Y	Y	Y
Riggers Liability (as applicable to trades): \$1 mil	Y		Y	Y	Y	Y
Automobile: \$1 mil	Y		Y	Y	Y	Y
Umbrella Liability as follows:	Y		Y	Y	Y	Y
Structural Steel: \$15 mil	N/A		N/A	N/A	Y	Y

Demolition & Abatement				Total:	\$ 6,098,087	\$ 6,640,000	\$ 6,320,000	\$ 6,904,087	\$ 650,000
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Amount in Estimate:	<b>\$ 7,374,462</b>								
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024									
Glass & Glazing, Fire Protection, Plumbing, HVAC, Electrical: \$10 mil					N/A	N/A	N/A	Y	Y
All other trades: \$5 mil					Y	Y	Y	Y	Y
Worker's Comp					Y	Y	Y	Y	Y
Professional Liability: \$2 mil (for design/stamped drawings and testing scope's only)					Y	Y	Y	Y	Y
All insurance certificates must:					Y	Y	Y	Y	Y
Have 30 Day Notice of Cancellation Endorsement attached				Y	Y	Y	Y	Y	
Name Consigli Construction Co., Inc., Owner and any other parties as required by contract, as additional insured.				Y	Y	Y	Y	Y	
<b>PREQUALIFICATION STATUS</b>									
Overall - Y/N & Expiration Date									
Safety - Y/N & EMR/CSR									
Quality - Y/N & Score									
Financial - Y/N & SPL									
Diversity designations (MBE/WBE/etc.)									
Insurance requirements									
Waiver required (type, mitigation steps)									
<b>Subcontractor Total:</b>				<b>\$ 5,018,087</b>	<b>\$ 5,560,000</b>	<b>\$ 5,240,000</b>	<b>\$ 5,824,087</b>	<b>\$ 650,000</b>	
<b>HOLDS &amp; ALLOWANCES FOR UNDEFINED SCOPE</b>									
ALLW	Add'l Unforeseen Abatement	1 LS	\$ 500,000						
HOLD	Brookline CMP traffic control Implementation	1 LS	\$ 150,000						
ALLW	Disposal of PCB-contaminated items (spec 028200.01/page 52/Item E (1-4))								
ALLW	Vibration monitoring / testing	1 LS	\$ 75,000						
HOLD	F & I Temp barriers to protect surrounding buildings	1 LS	\$ 75,000						
ALLW	Pre-Demolition survey of adjacent properties	1 LS	\$ 50,000						
ALLW	Police details	1 LS	\$ 75,000						
ALLW	Unforeseen existing building(s) debris/foundation removal	1 LS	\$ 80,000						
ALLW	Fire Watch	1 LS	\$ 75,000						
<b>Holds/Allowances Total: \$ 1,080,000</b>									
<b>ALTERNATES</b>									
Performance & payment bond					Q=1.5 percent				
<b>UNIT PRICES</b>									
Foreman billable rate (Includes OH&P)					\$139.02	\$101.50/Hour	\$135.00		
Journeyman billable rate (Includes OH&P)					\$117.67	\$98.20/Hour	\$115.00		
Operator billable rate (Includes OH&P)						\$115.70/Hour			
<b>UNDERGROUND STORAGE TANK REMOVAL</b>				<b>l with base bid</b>					
disposal of No. 2 fuel oil				2,500 gal	\$2.50/gal	\$1.00/Gal	\$1.50/gal		
disposal of petroleum contaminated soils				170 tons	\$104.50 /ton	\$250.00/Ton	\$105.00 /ton		
disposal of petroleum contaminated water				1,000 cy	\$4.30/gal	\$1.00/Gal	\$1.50/gal		
<b>ASBESTOS ABATEMENT</b>				<b>l with base bid</b>					
<b>1974 school</b>									
A - asbestos pipe				400 lf	\$45.00/lf	\$25.00/LF	\$40.00/lf		
D.1 - perimeter of roof x 2'				per spec	\$12.00/lf	\$15.00/LF	\$15.00/lf		
D.2 - roof penetrations (from drawing ) x 2'				per spec	\$10.00/lf	\$500.00/EA	\$15.00/lf		
D.3 - roof drain bowls and associated pipe insulation				32 ea	\$65.00/ea	\$250.00/EA	\$15.00/ea		
D.4 - opening test penetrations				10 ea	\$125.00/ea	\$500.00/EA	\$1,600.00/ea		
the following are lump sum, therefore unit costs are not applicable									
B - electrical panels				ump sum n/a		incl in lump sum		incl in lump sum	

Demolition & Abatement	Total:	\$ 6,098,087	\$ 6,640,000	\$ 6,320,000	\$ 6,904,087	\$ 650,000
<b>Pierce School (Brookline, MA) / Early Release - Demolition &amp; Abatement</b>						
		JDC Demolition Company, Inc. (508) 897-8090 barcand@jdcdeмоinc.com Brian Arcand	Costello Dismantling Co., Inc. (508) 291-2324 dan@costelldismantling.com Daniel T. Costello	J.R. Vinagro Corporation (401) 943-7100 easkew@jrvinagrocorp.com Eric Askew	Select Demo Services, LLC (603) 386-0391 smarcone@selectdemoservices.com Sarah Marcone	Riggs Contracting Inc. <a href="mailto:tyler.rogers@riggs-co.com">tyler.rogers@riggs-co.com</a> Tyler Rogers
Amount in Estimate: <b>\$ 7,374,462</b>						
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024						
C - flex connectors	ump sum n/a		incl in lump sum			incl in lump sum
E - chimney related materials	ump sum n/a		incl in lump sum			incl in lump sum
F - elevator components	ump sum n/a		incl in lump sum			incl in lump sum
G - kiln	ump sum n/a		incl in lump sum			incl in lump sum
H - refrigerator/freezers, warmers, ovens, fan/vent hoods	ump sum n/a		incl in lump sum			incl in lump sum
I - walk-in refrigerator, freezer	ump sum n/a		incl in lump sum			incl in lump sum
J - frame caluk at louvre, garage , door frames...	ump sum n/a		incl in lump sum			incl in lump sum
<b>Historic Building</b>						
A - asbestos pipe	200 lf		\$45.00/LF		\$25.00/LF	
D - slate roof	3 loc		\$12.00/SF		\$15.00/SF	
E.1 - glazing putty	per spec lf		\$350.00/EA		\$250.00/EA	
E.2 - test penetrations	8 ea		\$125.00/EA		\$500.00/EA	
G - soffit fascia	per spec sf		\$8.00/LF		\$15.00/LF	
H - thermal system insulation	200 lf		\$30.00/LF		\$25.00/LF	
the following are lump sum, therefore unit costs are not applicable						
B - electrical panels	ump sum n/a		incl in lump sum			
C - flex connectors	ump sum n/a		incl in lump sum			
F - valves, gaskets, falnges and associated pipe related seals	ump sum n/a		incl in lump sum			
F - elevator components	ump sum n/a		incl in lump sum			
G - kiln	ump sum n/a		incl in lump sum			

Sitework / SOE	Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>		J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandt
Amount in Estimate: <b>\$ 2,551,610</b>				
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024				
<b>CONTRACT DOCUMENTS</b>				
Drawings, Early Demo & Site Enabling prepared by: <b>MDS / Miller Dyer Spears dated 1/30/24</b>		Y	Y	Y
Drawings from DD set prepared by: <b>MDS / Miller Dyer Spears dated 11/22/23</b>		Y	Y	Y
02 Civil (partial) - 7 drawings		Y	Y	Y
05 Landscaping - 26 drawings		Y	Y	Y
06 Architectural (partial) - 33 drawings		Y	Y	Y
07 Structural (partial) - 9 drawings		Y	Y	Y
09 Plumbing (partial) - 4 drawings		Y	Y	Y
11 Geothermal - 3 drawings		Y	Y	Y
12 Electrical (partial) - 2 drawings		Y	Y	Y
13 Site Lighting - 1 drawing		Y	Y	Y
Drawings from 25% Design Submission set by: <b>Vanasse &amp; Associates dated Nov 2023</b>		Y	Y	N
04 Offsite Traffic Improvements - 26 drawings		Y	Y	N
1970 construction set drawings prepared by: <b>William Warner and Davies/Wolf dated 11/12/70</b>		Y	Y	Y
01 Civil - 6 drawings		Y	Y	Y
02 Architectural - 42 drawings		Y	Y	Y
03 Structural - 35 drawings		Y	Y	Y
04 Fire Protection - 5 drawings		Y	Y	Y
05 Plumbing - 13 drawings		Y	Y	Y
06 Mechanical - 13 drawings		Y	Y	Y
07 Electrical - 21 drawings		Y	Y	Y
Specifications prepared by: <b>MDS/Miller Dyer Spears dated 1/30/24</b> including:				Y
Section 015000 - TEMPORARY FACILITIES AND CONTROLS (TEMP FENCE)		N	Y	Y
Section 015639 - TEMPORART TREE AND PLANT PROTECTION		Y	Y	Y
Section 024113 - SELECTIVE SITE DEMOLITION AND REMOVALS		Y	Y	Y
Section 311000 - SITE CLEARING		Y	Y	Y
Section 312300 - EARTHWORK		Y	Y	Y
Section 312500 - EROSION AND SEDIMENT CONTROL		Y	Y	Y
Appendix A - DD Phase Geotechnical Report by LGCI dated 11/30/23		Y	Y	Y
<b>Specifications pending</b> , but scope to be included as outlined below:				Y
Storm Water Pollution Prevention Plan		TBD	TBD	TBD
Temporary Excavation Support and Protection (partial)		TBD	TBD	TBD
Excavated Soil and Materials Management Plan		TBD	TBD	TBD
Dewatering		TBD	TBD	TBD
Addenda prepared by: _____		N/A	N/A	N/A
Addendum __ dated _____		N/A	N/A	N/A
Compliance with all Division 0 and 1 specifications as applicable.		Y	Y	Y
Compliance with Owner's contract		TBD	TBD	TBD
Compliance with Consigli contract		Y Includes Ryder	Y	Y
Consigli Supplemental Attachment A - Schedule dated 1/10/2024		Y	Y	Y
Consigli Supplemental Attachment B - Logistics/CMP Plan 1/10/2024		Y	Y	Y
Consigli Supplemental Attachment C - Lean Requirements		Y	Y	Y
Consigli Supplemental Attachment D - Quality Plan		Y	Y	Y
Consigli Supplemental Attachment E - Textura Construction Payment Management System Information January 2023		Y	Y	Y
Consigli Supplemental Attachment F - Project Safety Requirements December 2023		Y	Y	Y

Sitework / SOE	Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250	
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>		J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandi	
Amount in Estimate: <b>\$ 2,551,610</b>					
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024					
Consigli Supplemental Attachment G - 3D Coordination Specification dated 6.9.23 (as applicable to this trade)		Y		Y	Y
Consigli Supplemental Attachment H - Site Specific COVID19 Safety Plan dated 2.6.2023	Y		Y	Y	
Consigli Supplemental Attachment J - Zero Tolerance for Harassment or Bias	Y		Y	Y	
<b>SCOPE OF WORK</b>		<b>1,663,000</b>	<b>\$ 1,498,000</b>		
<b>Area Definition</b>					
<b>School Site</b> - sitework at and adjacent to proposed school and historic building. Limit of work identified on drawing C1-10	Y		Y	Y	
<b>Playground Site</b> - Sitework North of School Street. Limit of work identified on drawing L1-01	Y		Y	Y	
<b>Street Improvements</b> - Scope identified on Vanasse & Associates drawings 1-26	Y		Y	Y	
<b>Bid Breakouts</b>					
<b>Breakout - 1 Base Bid</b>					
Temp fence at School Site	Y		Y	Y	
Tree protection	Y		Y	Y	
Erosion control	Y		Y	Y	
Cut and cap utilities within the street, removal of all utilities	Y		Y assumed 6'-8" dp	Y	
Site clearing (incl loam, concrete and bituminous paving all other site improvements)	Y		Y see attached dwg for limit of work incl	Y	
Support of Excavation (SOE) as required for:				Y See attached sketch for limits of SOE included. Pricing assumes a 30' wide working platform will be installed and removed by others.	
Demolition of existing building and foundation	Y	See proposed layout of piles and lagging SOE (pending)	Y See proposed layout of piles and lagging SOE	Y See note (above)	
Construction of proposed building and foundation	Y		Y	Y See note (above)	
<b>Breakout - 2A Remainder of School Sitework</b>					
Excavation & backfill for proposed foundation	N/A		N/A	N/A	
Ground improvements (geopiles and/or rigid inclusions)	N/A		N/A	N/A	
Site grading and aggregate base for building and site improvements	N/A		N/A	N/A	
installation of foundation drain around historic building	N/A		N/A	N/A	
Offsite disposal of excess fill including loam	N/A		N/A	N/A	
Bit paving, concrete curbing, granite curbing (except along Harvard & School St)	N/A		N/A	N/A	
Utilities (water, sewer, drainage, site electric) complete	N/A		N/A	N/A	
SOE at perimeter of historic building and for interior elevator pit	N/A		N/A	N/A	
<b>Breakout 2B - Street Improvement</b>					
Scope shown on drawings by Vanasse & Associates	N/A		N/A	N/A	
Granite curbing adjacent to Harvard and School Street	N/A		N/A	N/A	
Traffic signal improvements	N/A		N/A	N/A	
<b>Breakout 2C - Support of Geothermal Well Operations and Improvements to Playground Site</b>					
Dewatering, spoil management for geothermal operations	N/A		N/A	N/A	
Temp fence, erosion control, clearing, grading, offsite aggregate, soil disposal and bituminous pavement for "playground" North of Harvard St shown on Landscape drawing LP1-00 to LP2-01	N/A		N/A	N/A	

Sitework / SOE		Subcontractor Total:		\$	2,543,250	\$	2,567,250	\$	3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>				J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy		The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart		W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandi	
Amount in Estimate: <b>\$ 2,551,610</b>				Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024					
<b>GENERAL</b>									
Provide all labor, materials, and equipment as required to complete the scope of work as shown on the drawings, and as further described below.				Y		Y		Y	
Specific items identified below are intended as a reference for scope only. Subcontractor is responsible for providing all items for their work and related work shown on the drawings, as specified, or needed to make this scope of work complete.				Y		Y		Y	
Inclusion of all reference keynotes and general notes shown on drawings, as applicable to this trade.				Y		Y		Y	
Appendix A all work is to be performed in accordance with DD Phase Geotechnical Report by LGCI dated 11/30/23				Y		Y		Y	
School Street and Harvard Street must have at least one passable lane at all time, sequence work accordingly.				Y		Y		Y	
<b>015000 TEMPORARY FACILITIES AND CONTROLS (TEMP FENCE)</b>									
Furnish & install all site signage as shown & specified.				N None Shown		N		Y	
Temporary construction fencing - 6'h at				Y		Y		Y	
Perimeter of school site per Consigli logistic plans				Y		Y		Y	
Provide 2 x 16' wide double gates at school site				Y		Y		Y	
Base bid is for full 2,010' of 6' high fence / Provide deduct alternate to eliminate 460' where adjacent to existing building				Y					
includes 3 x 20' gates				Y					
Scrim by others				Y By others		Y By others		Y By others	
Fencing is to remain on site and become the property of the others				Y		Y		Y	
Jersey barriers at Harvard/School Streets (WLF: \$1,000./10' length)		670 LF		Y		C \$ 67,000		C \$ 67,000	
Remove, modify and reinstall fencing as required for Utility and/or SOE work				Y		Pending		Pending	
Street sweeping - include 40 days x 4 hours/day of street sweeping				Y		Y		Y	
include police details while working on public street				Y One police officer is included only for the C/C in City Streets		Y For street utility work only.		Y For street utility work only.	
<b>015639 TEMPORARY TREE AND PLANT PROTECTION</b>		22 EACH		C \$ 33,000		C \$ 33,000		Includes 400 LF of 72" temp fence panels	
Tree protection & tree protection fence per drawings and detail 5/C1-31				N		Y		Y	
C1-30 As shown and summarized on school site				N		Y		Y	
<b>024113 SELECTIVE SITE DEMOLITION AND REMOVALS</b>									
Complete at school site				Y Exterior only		Y See attached dwg for incl surface demo scope		Y	
<b>311000 SITE CLEARING</b>						Y		Y	
Site clearing and demo per drawings				Y		Y		Y	
School Site - C1-10 and C1-20				Y		Y		Y	
Clearing & grubbing of site				Y		Y		Y	
Stripping & removing existing topsoil/subsoil off site				Y Loam only offsite as clean		Y		Y Pricing includes removal and disposal of up to 6" of topsoil to a <RCS-1 facility. Removal of fill from the roof deck is excluded.	
Site demolition as shown/required				Y Exterior only		Y		Y Pricing assumes utilizing a CAT 308 sized excavator and CAT 279 sided skid steer for the surficial demolition over the roof decks	
Sawcut existing asphalt and concrete pavement				Y		Y		Y	
Remove and dispose offsite				Y		Y		Y	

Sitework / SOE	Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>		J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandi
Amount in Estimate: <b>\$ 2,551,610</b> Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024				
Asphalt, concrete and rubber pavement		Y	Y	Y Pricing assumes all ABC rubble is clean uncoated unpainted and suitable for disposal at a local recycling facility.
Unit pavers		Y	Y	Y
LP1-01 Artificial turf		N	N	Y Pricing includes removal and disposal of up to 6" of topsoil to a <RCS-1 facility. Removal of the irrigation system is excluded.
Curbing		Y	Y	Y
Retaining walls, site walls, site stairs		Y	Y	Y
Site improvements, site railing, fencing, trellis, bollards, play equipment, signage, posts		Y	Y	Y
Misc foundations for site improvements (building foundation removed by demo)		Y	Y	Y
Utilities include excavation and backfill to access piping		Y	Y	N
Electrical/tel-data ductbanks, conduit and handholes		Y	Y	Y
Site lighting, poles, hand holes		Y	Y	Y
Remove and salvage to location on site (as directed by Consigli Superintendent)		Y	Y	Y
Parking meters		Y	Y	Y
Bus stop bench		Y	Y	Y
Site pole lighting (10 places)		Y	Y	N
<b>STORM WATER POLLUTION PREVENTION PLAN</b>				
Assist in the preparation of SWPPP plan		Y	Y	Y
<b>TEMPORARY EXCAVATION SUPPORT AND PROTECTION</b>				
Base bid - as required to:				See attached sketch for limits of SOE included. Pricing assumes a 30' wide working platform will be installed and removed by others
demolish existing building		Y see attached layout for SOE incl	Y see attached layout for SOE incl	Y
construct the proposed building		Y	Y	Y
SOE required for demolition of the existing building will be designed in a manner that will not interfere with construction of proposed building		Y	Y	Y
<b>Base Bid - Sheet Piles</b>		N	N not recommended by geotech	Y
Furnish & Install sheet piles, including coordinate delivery, handling & offloading of sheet piling		N	N Drilled soldier piles and lagging	N Drilled soldier piles and lagging
<b>Alternate - Drilled Soldier Piles and Wood Lagging</b>				
Furnish & Install drilled soldier piles and lagging, including coordinate delivery, handling & offloading of sheet piling		\$ (22,000)	Y	Y
Manage and dispose of spoils		Y	Y	Y
Manage excess water, including pits, pumps and settlement tank		Y	Y	Y
Dewatering		C \$ 60,000	C \$ 60,000	
<b>For either system include:</b>				
If required, Whalers and/or tie-backs		Y	Y	Y
Sequencing installation as directed by Consigli		Y Sequence per J. Derenzo scope attach	Y	Y
Provide, maintain & remove OSHA approved safety rails at perimeter of SOE		Y	Y	Y
All fans, odor control & access along back of two sided walls		N	Y	Y
Provision for turnbuckles per Consigli safety exhibit J		Y	Y	Y
Furnish, install & maintain 6" toe board at sheeting perimeter		N	Y	Y
Cleaning/pressure washing of sheeting as required for oil removal		N	N	N

Sitework / SOE		Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250	
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>			J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandi	
Amount in Estimate: <b>\$ 2,551,610</b>	Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024					
	Design excavation support & protection system, including comprehensive engineering analysis by a qualified professional engineer		Y		Y	Y
	Engage a MA PE to review design, provide connection details & stamp drawings		Y		Y	Y
	Provide plans, elevations, sections & details of the proposed system		Y		Y	Y
	Provide a detailed narrative for the sequencing of support of excavations for building & utilities		N		Y	Y
	Continuously monitor vibrations, settlements, & movements to ensure stability of excavations & constructed slopes & to ensure that damage to permanent structures is prevented.		Y	Monitor sheets only once a week until wall demo has been completed	Y	Vibration monitoring excluded
	Provide protection of existing utilities & below grade structures		N		Y	Y
	Hoisting as required		Y		Y	Y
	Any out of sequence work, temporary grading, and/or other temporary measures required for the proper mobilization of SOE equipment and materials shall be the responsibility of this subcontractor.		N	All SOE has been priced to be completed in one mob		
	Pavement and steps adjacent to 68 Harvard Street, located outside of the limit of work, are to be left as-is. If required protect from damage. Restore to original condition when complete	C	\$ 50,000	\$ 50,000	\$ 50,000	
????	F & I railing above sheathing	S	\$ 18,000	O \$ 18,000	O \$ 18,000	
????	Cutting down sheathing	C	\$ 36,000	C \$ 36,000	C \$ 36,000	
<b>312500</b>	<b><u>EROSION AND SEDIMENT CONTROL</u></b>					
C1-30	F&I erosion control barriers at school site	Y		Y	Y	
2,3/C1-31	Inlet protection at catch basins, per details and notes on C1-31	Y		Y	Y	
	Protect & cleanout catch basins	Y		Y	N	
	Temporary protection of soil & erosion	N		Y	Y	
	Includes provisions to comply with erosion control requirements	Y	If damaged by Derenzo	Y	Y	
	Includes silt socks	Y		Y	Y	
	Includes maintaining during construction & removal at the end of construction	N	we will maintain until phase 1 is complete	Y	Y	
	In addition to what is shown on School and Playground sites, include erosion control shown on Street Improvement drawings.	N	Part of Phase 2	Y	N	
	Construction entrance tracking pad	Y		Y	Y	
	Stone laydown area for trailer	N		Y	N	
	Includes dust control	N	Not needed for our portion of Phase 2	Y	Y	
					While WLF is on-site only. Assumes water from an on-site hydrant. Water usage fees are excluded	
<b>331000</b>	<b><u>WATER SYSTEM</u></b>					
C1-20	cut and cap existing water main on the street, including temporary and permanent pavement patching	Y		Y	Y	
	regardless of what is shown on drawing C1-20, piping is to be cut and plugged at the piping main on School Street	Y	We have what is shown on the plans	Y	Y	
	bituminous patching, police detail for work on school street	Y		Y	Y	
<b>333000</b>	<b><u>SANITARY SEWERAGE SYSTEM</u></b>					
C1-20	cut and cap existing sewer connections on the street, including temporary and permanent pavement patching	Y		Y	Y	
	regardless of what is shown on drawing C1-20, piping is to be cut and plugged at the manhole structure on School Street	Y	We have what is shown on the plans	Y	Y	
	Utility & sewer tie-in at trailer	Y		Y	Y	
				Includes allowance of \$25,000 / Coordination and design for all temp connections are not included		
<b>334000</b>	<b><u>STORM DRAINAGE SYSTEM</u></b>					

Sitework / SOE		Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>			J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandi
Amount in Estimate: <b>\$ 2,551,610</b>					
	Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024				
C1-20	cut and cap existing drainage connections on the street regardless of what is shown on drawing C1-20, piping is to be cut and plugged at the manhole structure on School Street		Y We have what is shown on the plans	Y	Y
C1-30, C1-31	Temporary overflow piping, structures, slotted inlets and sediment basin per plan C1-30 and details on C1-31		Y		
C1-30	Direct downspout roof leaders to temp sedimentation basin usin appropriate means and methods		Y		
	Connect temp drain piping to down spouts at historic building		Y		
6/C1-31	Concrete base to sediment basin and inlet per detail		Y		
<b>Miscellaneous</b>					
	Visited site		N	Y	Y
	Isolated pricing (Sitework/SOE // Demo/Abatement) vs package pricing			C \$ 100,000	
	Historic building - E & B Under-slab work		S \$ 40,250	O \$ 40,250	O \$ 40,250
	Earthberm to facilitate sheething & temp earth support		S \$ 355,000	O \$ 355,000	O \$ 355,000
	Pre-trenching for sheething		Y	N/A	N/A
	SOE - Sheething		Y Excluding obstruction removal	Y Soldier Piles/Lagging	Y Soldier Piles/Lagging
	Snow plowing while on site		N Excluded	N Excluded	N Excluded
	Include all permits, licenses & fees required for the work of this trade		Y	Y	Y
	Dust monitoring		N	N	N Excluded
	Provide police details & traffic management barriers required to complete this work		Y One police officer is included only for the C/C in City Streets	Y For street utility work only.	Y For street utility work only.
	Review & comply with geotechnical report & test pit data		Y	Y	Y
	Labor Steward while this contractor has prevailing labor force		Y	Y	Y
	Warning & tracer tape		N/A	Y	Y
	Coordinate testing & inspections with local authorities as is required		Y	Y	Y
	Includes pre-op meeting with local municipalities as required		Y	Y	Y
	Includes installation of all utilities in strict accordance with local utility providers.		Y	Y	Y
	Includes access into foundation footprint every 50 feet		N	N	N
	Maintenance of SWPPP (preparation of SWPPP by Owner's Civil Engineer)		Y	Y	Y
	As-builts with engineers stamp		C \$ 5,000	C \$ 5,000	C \$ 5,000
	Includes generator for work as required.		N	N	N
	Includes traffic controls as necessary for this work (flagmen, barriers, barrels, etc.)		Y For street utility work only	Y For street utility work only	Y For street utility work only.
	Clean up to dumpster (dumpsters provided by Consigli)		Y	Y	Y
	All miscellaneous materials as required to complete scope		Y	Y	Y
<b>QUANTITIES</b>					
	Avg. workers on site		Q=5 Workers	5 Workers	5-10 Workers
	Manhours (Including all sub tier hours)			3,104 Hours	WLF Work: 8,500 Hours // SOE pending
	number of utility cuts in the street		Q=13	Q=8 units	Q=6 each
	SOE - Exposed - for demo and proposed foundation work		320-330 LF	384 LF	320 LF
	Temp. fencing				2,010 LF
	Temp. tree protection - fencing				400 LF
<b>BREAKOUT VALUES (\$\$ - included in values above)</b>					
	<b>Sum of breakouts below to equal total</b>				
	Breakout 1 - Base				V=\$2,856,000.

Sitework / SOE	Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>		J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandt
Amount in Estimate: <b>\$ 2,551,610</b>				
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024				
<b>Other Breakouts - having no bearing on breakouts 1 thru 2C</b>				
Site-Earthwork				\$ 300,000
Site-Demo				\$ 1,139,600
Cut and cap of utility lines on Harvard / School Streets		V=\$127,820.	V = \$175,000 incl a water and sewer on Harvard as well	\$ 323,000
Temp fencing and gates		V=\$100,800.	V = \$66,000	\$ 168,000
Temp. tree protection fencing				
Support of excavation - base bid		V =\$1,025,360. // \$1,047,360.- \$22,000. (soldier piles)	V = \$835,000	\$ 820,000
Dewatering	V=\$2,500.	Pending	\$ 25,000	
Street sweeping	V=\$6,000.	V = \$25,000	\$ 45,600	
Police detail	V\$7,500. // One police officer is included for the C/C only	V =\$14,400	\$ 34,800	
<b>ADDITIONAL PROJECT-SPECIFIC REQUIREMENTS</b>				
Tax-Exempt		Y	Y	Y
All manufacturers, materials and finishes as shown and specified.		Y	Y	Y
Includes performance and quality requirements as specified.		Y	Y	Y
Includes all submittals, shop drawings, warranties, etc. as specified and required.		Y	Y	Y
Prevailing wage		Y	Y	Y
Union Carpenters and Laborers as applicable.		N Excludes Carpenters	Y Excludes Carpenters	Y Excludes Carpenters
Layout from control provided by GC.		N	Y From control provided by others. All layout shall be by WLF employees. PE/PLS layout is excluded	Y From control provided by others. All layout shall be by WLF employees. PE/PLS layout is excluded
Includes all field measurements as required.		N	Y	Y
All hoisting and rigging of equipment and materials as required to complete the work of this Subcontract.		N	Y	Y
All equipment including staging/ladders/lifts etc. as required to complete the work of this trade.		N	Y	Y
Includes protection of all materials/equipment supplied by this subcontractor, stored on site.		N	Y	Y
6'0" fall protection.		Y	Y	Y
All subcontractors shall be required to provide all workers with ANSI type 2 or EN12492 helmets with chinstrap retention in lieu of standard construction hardhats while working on Consigli project sites.		Y		Y
Provisions for off-hour work as required.		N	N	N
Temp. shutdowns of existing systems (work arounds), as required for completion of the work of this trade, Including off-hours work (if applicable).		N	N	N
Inclusion of all materials & labor price increases for the duration of the project.		Y	Y	Y
Inclusion of any and all tariffs in place, and known about, as applicable, at the time of a signed contract agreement.		Y	Y	Y
Includes background checks as required		Y	Y	Y
All offsite storage costs required for the completion of work of this trade.		N	Y	Y
Complete work of this trade as shown on all contract documents including A's, S's, MEP's etc.		N/A	Y	Y
All requisitions are to be done on Textura software.		Y	Y	Y
<b>UBE Requirements</b>				
<i>Subcontracting Goals: MBE 5.1% / WBE 7.9% (To Be Confirmed)</i>				
Define What is Figured		Pending	Pending	Pending
<b>Workforce goals</b>				
<i>Minority and Women Workforce Participation: MBE 5.1% / WBE 7.9%</i>		Best faith efforts	Y	Y

Sitework / SOE	Subcontractor Total:	\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>		J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandt
Amount in Estimate: <b>\$ 2,551,610</b>				
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024				
<b>EXCLUSIONS</b>				
Tax		Y	Y	Y
Performance & payment bond		Y	Y	Y
Permit fees		Y	Y	Y
City bonds/sidewalk permits		Y	Y	Y
Winter conditions		Y	Y	Y
Sitework-Phase 2		Y	Y	Y
Landscaping/Hardscape/Site Improvements		Y	Y	Y
Selective Demolition		Y	Y	Y
Building demolition		Y	Y	Y
Tank removal		Y	Y	Y
Shoring		Y	Y	Y
Underpinning		Y	Y	Y
Police details		Included One Police officer for the cuts and caps	Y Work in Streets	Y Work in Streets
Power & water		Y	Y	Y
<b>SCHEDULE REQUIREMENTS</b>				
<u>Lead Times</u>				
Submittals/Samples	WKS	1-2 weeks	2 Weeks	
Eng'd shop drawings	WKS	2 weeks / SOE plan & design	4 Weeks	
<u>Materials (from approval)</u>	WKS			
Misc. sitework		1-2 weeks	2 Weeks	
SOE		4-6 weeks	Pending	
<u>Installation Times:</u>				
Sitework	WKS	8-9 weeks	Pending	
SOE (Mob & install sheets)	WKS	2-3 weeks	Pending	
Install bracing for tieback installation		2 weeks		
Tie backs		3 weeks		
Schedule of work per Consigli Supplemental Attachment A - Schedule dated (1/10/2024)		Y	Y	Y
Consigli's project start date: July 2024		Y	Y	Y
Consigli's project completion date: Fall 2027		Y	Y	Y
Approx. start/completion of Sitework		Per Consigli's schedule dated (1/10/2024)	Per Consigli's schedule dated (1/10/2024)	Per Consigli's schedule dated (1/10/2024)
Approx. start/completion of SOE		Per Consigli's schedule dated (1/10/2024)	Per Consigli's schedule dated (1/10/2024)	Per Consigli's schedule dated (1/10/2024)
Provisions for phasing as required		N	Y	Y
Includes all mobilizations as required		Y One (1) mobilization	Y	Y
<b>ADDITIONAL QUALIFICATIONS AND REQUIREMENTS</b>				
<u>Contract Terms &amp; Conditions</u>				
Review CCCI contract terms & conditions		Y	Y	Y
Agree with standard subcontract language		Y	Y	Y
Payment terms: PAY WHEN PAID, 5% retainage		Y	Y	Y
Liquidated Damages		N Need a copy of the LD before I can agree on this	Y	Y
<u>Insurance Coverages and Safety</u>				
Capable of providing insurance coverages as required		Y	Y	Y

Sitework / SOE		Subcontractor Total:		\$ 2,543,250	\$ 2,567,250	\$ 3,732,250
<b>Pierce School (Brookline, MA) / Early Release - Sitework / SOE</b>				J Derenzo Co. <a href="mailto:mmccarthy@jderenzo.com">mmccarthy@jderenzo.com</a> (508) 897-8028 Mike McCarthy	The Welch Corp <a href="mailto:dstewart@thewelchcorp.com">dstewart@thewelchcorp.com</a> (617) 590-1354 Dan Stewart	W.L. French Excavating Corp. <a href="mailto:Dvandi@wlfrench.com">Dvandi@wlfrench.com</a> (987) 600-2112 Dennis Vandt
Amount in Estimate: <b>\$ 2,551,610</b>						
Control Budget Breakout (from DD Est. with accepted VM) 2/1/2024						
General Liability: \$1 mil, \$2 mil general aggregate				Y	Y	Y
GL aggregate limit is per project, not per policy				Y	Y	Y
Riggers Liability (as applicable to trades): \$1 mil				N/A	N/A	N/A
Automobile: \$1 mil				Y	Y	Y
Umbrella Liability as follows:				Y	Y	Y
Structural Steel: \$15 mil				N/A	N/A	N/A
Glass & Glazing, Fire Protection, Plumbing, HVAC, Electrical: \$10 mil				N/A	N/A	N/A
All other trades: \$5 mil				Y	Y	Y
Worker's Comp				Y	Y	Y
Professional Liability: \$2 mil (for design/stamped drawings and testing scope's only)				Y	Y	Y
All insurance certificates must:				Y	Y	Y
Have 30 Day Notice of Cancellation Endorsement attached				Y	Y	Y
Name Consigli Construction Co., Inc., Owner and any other parties as required by contract, as additional insured.				Y	Y	Y
<b>PREQUALIFICATION STATUS</b>						
Overall - Y/N & Expiration Date						
Safety - Y/N & EMR/CSR						
Quality - Y/N & Score						
Financial - Y/N & SPL						
Diversity designations (MBE/WBE/etc.)						
Insurance requirements						
Waiver required (type, mitigation steps)						
<b>Subcontractor Totals</b>				<b>\$ 2,238,250</b>	<b>\$ 2,262,250</b>	<b>\$ 3,427,250</b>
<b>HOLDS &amp; ALLOWANCES FOR UNDEFINED SCOPE</b>						
HOLD	Dewatering of storms over 2"	1	LS	\$50,000		
ALLW	Treatment of storm water	1	LS	\$40,000		
HOLD	Test Pits (ie Library and 86 Harvard)	1		\$50,000		
ALLW	Underpinning at 86 Harvard Street	1	LS	\$75,000		
ALLW	Unforeseen obstructions at SOE	1	LS	\$80,000		
ALLW	Police Details	1	LS	\$10,000		
<b>Holds/Allowances Total:</b>				<b>\$305,000</b>		
<b>ALTERNATES</b>						
Alt. #01	Prepare topographic survey to confirm grades following SOE and demolition work			Refer to JDC Demo	Add \$5,000	Add \$25,000
Alt. #02	Underpinning			Refer to JDC Demo	In Base # Above	
Alt. #03	Drilled soldier piles and lagging in lieu of sheathing			Deduct \$ 22,000.00 from the base bid excludes additional dewatering that may be needed	In Base # Above	In Base # Above
Alt. #04	Sheet Piles in lieu of drilled soldier piles and lagging			In Base # Above	No Bid	No Bid
Deduct Alt.	Eliminate 460 LF Ttemp fencing adjacent to existing building			Deduct (\$9,000)		
<b>UNIT PRICES</b>						
Foreman billable rate (Includes OH&P)					See attached	

Town of Brookline, John R. Pierce School

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## **3 | General Conditions & General Requirements**



**CONSIGLI**  
*Est. 1905*

John R. Pierce School - Brookline, MA



Estimated Construction Duration: **127** weeks  
 Mobilization Duration: **4** weeks  
 Start Duration: **46** weeks  
 Closeout Duration: **9** weeks

Date: **3/7/24**  
 Value: **\$168,022,600**

GSF: **231,420 sq ft**

	Qty	Units	Rate / Week	% Allocated	Total Hours	Hourly/ Unit Rate	Total Cost	Cost Type
<b>A. Project Management Personnel</b>								
1.	50	WKS	\$10,200	10%	200	\$255	\$51,000	GC
2.	50	WKS	\$8,000	96%	1,920	\$200	\$384,000	GC
3.		WKS				\$165		NA
4.		WKS				\$165		NA
5.	50	WKS	\$5,200	96%	1,920	\$130	\$249,600	GC
6.	50	WKS	\$4,500	100%	2,000	\$113	\$225,000	GC
7.	20	WKS	\$4,500	100%	800	\$113	\$90,000	GC
8.	50	WKS	\$7,000	16%	310	\$175	\$54,250	GC
9.	50	WKS	\$6,400	10%	200	\$160	\$32,000	GC
10.	50	WKS	\$6,400	5%	100	\$160	\$16,000	GC
11.		WKS				\$150		NA
12.		WKS				\$113		NA
SUBTOTAL: Project Management Personnel							<b>\$1,101,850</b>	
<b>B. Field Personnel</b>								
1.	50	WKS	\$10,200	10%	192	\$255	\$48,960	GC
2.	50	WKS	\$7,000	96%	1,920	\$175	\$336,000	GC
3.	43	WKS	\$5,000	109%	1,880	\$125	\$235,000	GC
4.		WKS				\$160		NA
5.		WKS				\$185		NA
6.	46	WKS	\$7,000	5%	92	\$175	\$16,100	GC
SUBTOTAL: Field Personnel							<b>\$636,060</b>	
<b>C. Additional Personnel</b>								
1.		WKS				\$160		NA
2.	15	WKS	\$7,000	100%	600	\$175	\$105,000	GC
3.		WKS				\$165		NA
4.	50	WKS	\$7,000	10%	200	\$175	\$35,000	GC
5.		WKS				\$150		GC
6.		WKS				\$115		NA
7.	46	WKS	\$6,800	5%	92	\$170	\$15,640	GC
8.	50	WKS	\$4,800	5%	100	\$120	\$12,000	GC
9.	50	WKS	\$4,600	5%	100	\$115	\$11,500	GC
10.	50	WKS	\$4,800	5%	100	\$120	\$12,000	GC
SUBTOTAL: Additional Personnel							<b>\$191,140</b>	
<b>D. Temporary Office Facilities</b>								
<b>Temporary Office Facilities - CM</b>								
1.	12	MO				\$3,000	\$36,000	GC
2.	1	EA				\$25,000	\$25,000	GC
3.	1	EA				\$100,000	\$100,000	GC
4.	1	LS				\$25,000	\$25,000	GC
5.	12	MO				\$750	\$9,000	GC
6.		HR						Cost of Work
7.		MO						By Owner
8.		LS						Cost of Work
9.	12	MO				\$250	\$3,000	GC
10.	12	MO				\$350	\$4,200	GC
16.	12	MO				\$100	\$1,200	GC
21.	12	MO				\$2,483	\$29,800	GC
25.	1	LS				\$6,800	\$6,800	GC
40.	1	LS				\$0	\$0	NA
45.	1	LS				\$3,550	\$3,550	GC
49.	1	LS				\$1,400	\$1,400	GC
<b>Temporary Office Facilities - Owner</b>								
54.	12	MO				\$2,500	\$30,000	GC
55.	1	EA				\$15,000	\$15,000	GC
56.	12	MO				\$250	\$3,000	GC
57.	12	MO				\$500	\$6,000	GC
58.		HR						NA
59.		MO						NA
60.		LS						NA
SUBTOTAL: Temporary Office Facilities							<b>\$298,950</b>	
<b>E. Professional Services</b>								

**John R. Pierce School - Brookline, MA**



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Mobilization Duration: **4** weeks

Startup Duration: **46** weeks

Closeout Duration: **9** weeks

Date: **3/7/24**  
Value: **\$168,022,600**

**CONSIGLI**  
Est. 1905

GSF: **231,420 sq ft**

	Qty	Units	Rate / Week	% Allocated	Total Hours	Hourly/ Unit Rate	Total Cost	Cost Type
<b>F. Professional Services</b>								
1.	1	LS				\$25,000	\$25,000	GC
2.		LS						By Owner
3.		LS						By Owner
4.		LS						By Owner
5.		LS						NA
6.		DAY						NA
7.	1	LS				\$5,000	\$5,000	GR
8.		MO						By Owner
9.	1	LS				\$10,000	\$10,000	GR
SUBTOTAL: Professional Services							\$40,000	
<b>F. Insurance and Bonds Costs</b>								
1.		LS						GC
2.		LS						GC
3.		LS						GC
SUBTOTAL: Insurance and Bonds Costs							\$0	
<b>G. Temporary Utilities &amp; Services</b>								
1.		LS						NA
2.		MO						NA
3.		MO						NA
4.		MO						Cost of Work
5.		MO						By Owner
6.		MO						NA
7.	1	LS				\$75,000	\$75,000	GR
SUBTOTAL: Temporary Utilities & Services							\$75,000	
<b>H. Winter Conditions</b>								
1.		LS						NA
2.		MO						NA
3.		MO						NA
4.		EA-MO						NA
5.		MO						NA
6.		MO						NA
7.		SF						Cost of Work
SUBTOTAL: Winter Conditions							\$0	
<b>I. Temporary Construction Facilities</b>								
1.	12	MO				\$250	\$3,000	GC
2.		EA						NA
3.	12	MO				\$3,200	\$38,400	GC
4.		MO						NA
SUBTOTAL: Temporary Construction Facilities							\$41,400	
<b>J. Hoisting &amp; Scaffolding</b>								
1.		SF						Cost of Work
2.		MO						Cost of Work
3.		EA						Cost of Work
4.		SF						Cost of Work
5.		WK						Cost of Work
6.		SF						Cost of Work
7.		LS						Cost of Work
8.		LS						Cost of Work
9.		LS						Cost of Work
10.		MO						Cost of Work
11.		DAYS						Cost of Work
12.		LS						Cost of Work
13.		LS						NA
14.		MO						NA
15.		WKS						NA
16.		WKS						NA
17.		EA						NA
18.		MO						NA
19.		WK						NA
20.		EA						NA

John R. Pierce School - Brookline, MA



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Date: **3/7/24**  
 Value: **\$168,022,600**

GSF: **231,420 sq ft**

		Qty	Units	Rate / Week	% Allocated	Total Hours	Hourly/ Unit Rate	Total Cost	Cost Type
<b>SUBTOTAL: Hoisting &amp; Scaffolding</b>									<b>\$0</b>
<b>K. Temporary Safety</b>									
1.	Carpenter Support - Safety	46	WKS	\$5,960	50%	925	\$149	\$137,760	GR
2.	PPE - Hardhats, Vests, Gloves, Glasses, Etc.	12	MO				\$500	\$6,000	GC
3.	Fire Extinguishers & Stands	50	EA				\$300	\$15,000	GC
4.	Safety and First Aid Kit	12	MO				\$250	\$3,000	GC
5.	Temporary Stairs and Rails	2	EA				\$25,000	\$50,000	GR
6.	Temporary Stair Rail Extensions		LF						Cost of Work
7.	Temporary Ramps	2	EA				\$5,000	\$10,000	GR
8.	Temporary Window Rails		LF						Cost of Work
9.	Floor/Roof Opening Protection - Guardrails		LF						Cost of Work
10.	Floor/Roof Opening Protection - Coverings		EA						Cost of Work
11.	Roof Tie-off Davits		EA						NA
12.	Roof Edge Protection / Maintenance		LF						Cost of Work
13.	Guardrail / Cable Maintenance		LF						Cost of Work
14.	Covered Walkway / OH Protection		SF						Cost of Work
15.	Barricades/Warning Signs and Lights	1	LS				\$10,000	\$10,000	GR
16.	Trip Hazard Protection		LF						Cost of Work
17.	Misc Safety Protection		LS						Cost of Work
18.	Safety Materials	231,420	GSF				\$0.25	\$57,855	GC
19.	Safety Signage	78	EA				\$75	\$5,850	GC
20.	Fire Watch		MO						Cost of Work
<b>SUBTOTAL: Temporary Safety</b>									<b>\$295,465</b>
<b>L. Temporary Protection</b>									
1.	Carpenter Support - Temp Protection		WKS						Cost of Work
<b>Temporary Weather Protection</b>									
2.	Temporary Partitions	1	LS				\$20,000	\$20,000	GR
3.	Temporary Door / Hardware	1	EA				\$10,000	\$10,000	GR
3.	Window Protection		EA						Cost of Work
3.	Temporary Windows	1	LS				\$25,000	\$25,000	GR
6.	Door Protection		EA						Cost of Work
7.	Temporary Roof		SF						Cost of Work
8.	Existing Roof Protection		SF						Cost of Work
9.	Exterior Closure		LS						Cost of Work
<b>Temporary Protection of Finishes/Occupancy</b>									
10.	Protect Elevator Interiors		EA						Cost of Work
11.	Floor Protection - (Type)		SF						Cost of Work
12.	Wall Protection - (Type)		SF						Cost of Work
13.	Partitions (1-Sided Finished GWB)		SF						Cost of Work
14.	Stair Protection		FLT						Cost of Work
<b>Temporary Site Protection</b>									
15.	Tree and Shrub Protection		LS						Cost of Work
16.	Protect Site Walks		SF						Cost of Work
17.	Prep Temporary Dumpster Locations		EA						Cost of Work
18.	Protect Miscellaneous Site Finishes		LS						Cost of Work
19.	Paving / Lawn Protection		SF						Cost of Work
<b>SUBTOTAL: Temporary Protection</b>									<b>\$55,000</b>
<b>M. Site Logistics</b>									
1.	Construction Fencing - Setup/Rental		LF						Cost of Work
2.	Construction Fencing - Relocations/Maint.	46	WKS			92	\$129	\$11,868	GR
3.	Construction Fence Scrim - Standard	1,725	LF				\$12	\$20,700	GR
4.	Construction Fence Scrim - Custom		LF						Cost of Work
5.	Construction Entrance/Washdown Pad		EA						Cost of Work
6.	Temporary Access Roads - Create/Restore		LS						NA
7.	Temporary Access Roads - Maintenance		MO						NA
8.	Jersey Barriers - Setup/Rental		LF						NA
9.	Jersey Barriers - Relocations/Maintenance		MO						NA
10.	Temporary Pedestrian Walkways	1	LS				\$50,000	\$50,000	GR
11.	Street Sweeping		MO						NA
12.	Dust Control		MO						NA
13.	Vehicle and Equipment Protection		LS						NA
14.	Project Identification Signage	1	LS				\$25,000	\$25,000	GC
15.	Temporary Pest Control	1	LS				\$15,000	\$15,000	GC
16.	Police Details	1	LS				\$25,000	\$25,000	GR

**John R. Pierce School - Brookline, MA**



Estimated Construction Duration: **127** weeks  
 Mobilization Duration: **4** weeks  
 Startup Duration: **46** weeks  
 Closeout Duration: **9** weeks

Date: **3/7/24**  
 Value: **\$168,022,600**

**CONSIGLI**  
 Est. 1905

GSF: **231,420 sq ft**

	Qty	Units	Rate / Week	% Allocated	Total Hours	Hourly/ Unit Rate	Total Cost	Cost Type
17. Site Security Services		LS						By Owner
18. Sidewalk Permits/Rental Fees - first 500 SF		SF-MO						NA
19. Sidewalk Permits/Rental Fees - additional SF above 500 SF		SF-MO						NA
20. Street Rental Fees		SP-DY						NA
21. Parking Meter Bagging Fees		SP-DY						NA
22. Parking Costs		LS						NA
23. Site Restoration		LS						Cost of Work
<b>SUBTOTAL: Temporary Protection of Finishes/Occupancy</b>							<b>\$147,568</b>	
<b>N. Indoor Air Quality/Infectious Controls</b>								
1. Indoor Air Quality Monitoring		MO						NA
2. Dust Barriers (Zip Walls) - Install/Remove		SF						NA
3. Negative Air Machine - Setup		EA						NA
4. Negative Air Machine - Maintenance		MO						NA
5. HEPA Units		EA						NA
6. HEPA Filters		EA						NA
7. Tacky Mats		EA						NA
8. AnteRoom		EA						NA
9. Replace Filters in Existing Systems		SF						NA
10. Interim Life Safety/NFPA 241		LS						NA
<b>SUBTOTAL: Indoor Air Quality/Infectious Controls</b>							<b>\$0</b>	
<b>O. Clean Up &amp; Debris Management</b>								
1. General Labor		WKS				\$129		NA
2. Clean Up During Job	46	WKS	\$5,160	100%	1,840	\$129	\$237,360	GC
3. Clean Up Materials	231,420	GSF				\$0.10	\$23,142	GC
4. Dumpsters (Excluding Demolition)	46	EA				\$800	\$36,800	GC
5. Trash Chutes		VLF						NA
6. Final Cleaning		SF						Cost of Work
7. Final Cleaning - Glass		SF						NA
8. Demolition Waste Management Plan		LS						NA
<b>SUBTOTAL: Clean Up &amp; Debris Management</b>							<b>\$297,302</b>	
<b>P. Miscellaneous Items</b>								
1. Permits								Cost of Work
2. Inspections & Testing by Governing Authorities								By Owner
3. Cutting, Coring and Patching								Cost of Work
4. Reprographics	12	MO				\$200	\$2,400	GC
5. Postage & Courier Services	12	MO				\$200	\$2,400	GC
6. Project Photos	12	MO				\$0	\$0	GC
7. Mockups		LS						NA
<b>SUBTOTAL: Miscellaneous Items</b>							<b>\$4,800</b>	
<b>TOTAL GENERAL CONDITIONS &amp; REQUIREMENTS</b>							<b>\$3,184,535</b>	

Town of Brookline, John R. Pierce School

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# 5 | Estimate Phase 1 only



**CONSIGLI**  
*Est. 1905*



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>02.01 DEMOLITION &amp; ABATEMENT</b>	<b>246,123.00 gsf</b>	<b>29.96 /gsf</b>	<b>7,374,462</b>
<b>22.00 PLUMBING - DEMO</b>	<b>246,123.00 gsf</b>	<b>0.09 /gsf</b>	<b>22,594</b>
<b>23.00 HVAC - DEMO</b>	<b>246,123.00 gsf</b>	<b>0.09 /gsf</b>	<b>22,594</b>
<b>26.01 ELECTRIC (TS)</b>	<b>246,123.00 gsf</b>	<b>1.19 /gsf</b>	<b>292,140</b>
<b>31.22 SITEWORK</b>	<b>246,123.00 gsf</b>	<b>10.37 /gsf</b>	<b>2,551,610</b>

**Estimate Totals**

Description	Amount	Totals	Rate
<b>Subtotal</b>	<b>10,263,400</b>	<b>10,263,400</b>	
Design/Estimate Contingency	615,804		6.000 %
Escalation	410,536		
	<b>1,026,340</b>	<b>11,289,740</b>	
Non-Trade SDI	143,371		
<b>Subtotal</b>	<b>143,371</b>	<b>11,433,111</b>	
General Conditions	2,879,865		
Winter Conditions	30,000		
General Requirements	460,328		4.026 %
P&P Bond	99,182		
Buildier's Risk			
GL Insurance	178,830		1.134 %
	<b>3,648,205</b>	<b>15,081,316</b>	
Contractor's Contingency	377,033		2.500 %
	<b>377,033</b>	<b>15,458,349</b>	
Fee	309,167		2.000 %
<b>Total</b>		<b>15,767,516</b>	



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
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**02.01 DEMOLITION & ABATEMENT**

**022820 Asbestos Remediation - School**

Sealant; Coating	4,200.00 sf	/sf	
Mastic; Tar/Wash; Waterproofing/Mastic	10,000.00 sf	/sf	
Mastic; Mastic/Styrofoam	4,000.00 sf	/sf	
Coating/Waterproofing	11,300.00 sf	/sf	
Waterproofing Mastic	600.00 sf	/sf	
Mastic; Tar Paper	1.00 ls	/ls	
Slaters Cement	1.00 ls	/ls	
Cementitious Material	1.00 ls	/ls	
Caulk/Sealant	350.00 lf	/lf	
Sealant; Tar Paper	24.00 sf	/sf	
Cementitious Board	36,400.00 sf	/sf	
Frame Caulk	263.00 ea	/ea	
Glazing Putty	263.00 ea	/ea	
Frame Caulk	53.00 unit	/unit	
Glazing Putty	53.00 unit	/unit	
Frame Caulk	7.00 unit	/unit	
Frame Caulk	86.00 unit	/unit	
Glazing Putty	86.00 unit	/unit	
Frame Caulk	125.00 unit	/unit	
Other Caulk / Sealant	4,200.00 lf	/lf	
Joint Compound	15,300.00 sf	/sf	
Sheet Flooring	525.00 sf	/sf	
Mastic	1,020.00 sf	/sf	
Mastic	636.00 sf	/sf	
Leveler	636.00 sf	/sf	
Bathroom Stall Dividers	288.00 sf	/sf	
Installed / Fixed Laboratory Countertop / Laboratory Table	7.00 unit	/unit	
Coating	24.00 unit	/unit	
Cementitious Mud / Thermal System Insulation	1.00 ls	/ls	
Cementitious Mud / Thermal System Insulation	1.00 unit	/unit	
Sealant	32.00 lf	/lf	
Brick Contaminated Surface	32.00 lf	/lf	
Other Caulk/Sealant	59.00 lf	/lf	
Lump sum pricing	1.00 ls	##### /ls	2,180,000
Allowance for addition abatement	1.00 ls	200,000.00 /ls	200,000
Contingency on Abatement	1.00 allw	400,000.00 /allw	400,000
<b>022820 Asbestos Remediation - School</b>		<b>/sf</b>	<b>2,780,000</b>

**022821 Asbestos Remediation - Historic Building'**

Frame Caulk	1.00 ls	/ls	
Frame Caulk	5.00 unit	/unit	
Glazing Putty	5.00 unit	/unit	
Frame Caulk	19.00 unit	/unit	
Resilient Floor Tile	90.00 sf	/sf	
Mastic	1,790.00 sf	/sf	
Coating	11.00 unit	/unit	
Thermal System Insulation	52.00 lf	/lf	
Lump sum pricing	1.00 ls	450,000.00 /ls	450,000
<b>022821 Asbestos Remediation - Historic Building'</b>			<b>450,000</b>

**022822 Harzardous Waste Disposal**

Suspect PCB ballasts	1.00 ls	/ls	
Suspect non-PCB ballasts	1.00 ls	/ls	
Suspect mercury in thermostats	1.00 ls	/ls	
Suspect mercury in switches, mercury float switches, relays, sump pump switches in boiler room	1.00 ls	/ls	
Suspect mercury in pilot light sensors	1.00 ls	/ls	
Suspect mercury in light bulbs such as fluorescent bulbs, compact fluorescent light bulbs (CFLs), HID lamps, metal halide lamps, high pressure vapor sodium lamps, ultraviolet lamps, neon lights, and other light fixture lamps and bulbs	1.00 ls	/ls	
Emergency light batteries, lead-acid batteries, lithium-ion batteries, and similar batteries	1.00 ls	/ls	
Refrigerators, freezers, refrigeration and cooling systems including Freon and other chlorofluorocarbons (CFC)	1.00 ls	/ls	
Exit signs	1.00 ls	/ls	



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>022822 Harzardous Waste Disposal</b>			
Fire extinguishers	1.00 ls	/ls	
Common batteries – AA, AAA, C cells, D cells and button batteries	1.00 ls	/ls	
Electronics/Electronic as Waste such as (televisions, computers, monitors, printers, video cassette recorders, cell phones, telephones, radios, smoke detectors, and microwave ovens)	1.00 ls	/ls	
Mercury gauges and switches such as (barometers, manometers, blood pressure, other thermometers, and vacuum gauges containing mercury)	1.00 ls	/ls	
All (i.e., 100%) other known or suspect universal waste.	1.00 ls	/ls	
Kohler Power Systems Generator "100" (in its entirety), located at the entrance to the Town hall parking garage. The Bidder shall assume a fuel capacity at the	1.00 ls	/ls	
Removal and disposal of one hydraulic tank in the machine room for the elevator. The Bidder shall assume 20 gallons of hydraulic oil in the tank and reservoir at the time of removal and d	1.00 ls	/ls	
Lump sum pricing	1.00 ls	60,000.00 /ls	<u>60,000</u>
<b>022822 Harzardous Waste Disposal</b>			<b>60,000</b>
<b>024118 Concrete Cutting</b>			
Shore existing garage before cutting - ground floor	93.00 lf	312.00 /lf	29,016
Shore existing garage before cutting - 1st floor	104.00 lf	312.00 /lf	32,448
Cut structural concrete slab - ground floor	93.00 lf	124.80 /lf	11,606
Cut structural concrete slab - 1st floor	104.00 lf	124.80 /lf	12,979
Cut concrete wall for new opening (elev 9,10/A3.05)	75.00 lf	208.00 /lf	15,600
Remove concrete wall for new opening	150.00 sf	156.00 /sf	23,400
Remove stair tower above level 1	1.00 ls	52,000.00 /ls	52,000
Remove door, frame and stairs	1.00 ls	10,400.00 /ls	<u>10,400</u>
<b>024118 Concrete Cutting</b>			<b>187,450</b>
<b>024119 Building Demolition</b>			
Building demo - complete ground floor	62,890.00 sf	9.00 /sf	566,010
Building demo - complete level 1	50,460.00 sf	9.00 /sf	454,140
Building demo - complete level 2	50,200.00 sf	9.00 /sf	451,800
Building demo - complete level 3	48,800.00 sf	9.00 /sf	439,200
Building demo - remove foundation	62,890.00 sf	11.00 /sf	691,790
Building demo - remove buried foundation as noted on civils	4,300.00 sf	12.00 /sf	51,600
Laborer foreman for demo phase only	20.00 wks	5,720.00 /wks	114,400
Shoring of existing garage to allow for temporary loading above	1.00 ls	38,536.00 /ls	38,536
Misc holds and allowances	1.00 ls	78,842.00 /ls	<u>78,842</u>
<b>024119 Building Demolition</b>			<b>2,886,318</b>
<b>024120 Selective Demo of Historic Building</b>			
Gut of existing building interior	30,456.00 sf	10.00 /sf	304,560
Remove structure for elevator and ramps	880.00 sf	52.00 /sf	45,760
Cut opening in basement for tunnel	1.00 ls	20,800.00 /ls	20,800
Remove exterior door	1.00 ea	1,040.00 /ea	1,040
Cut opening in exterior for new door	7.00 ea	3,120.00 /ea	21,840



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>024120 Selective Demo of Historic Building</b>			
Plumbing demo by demo sub	34,760.00 sf	0.85 /sf	29,546
HVAC demo by demo sub	34,760.00 sf	0.85 /sf	29,548
<b>024120 Selective Demo of Historic Building</b>		<b>/sf</b>	<b>453,094</b>
<b>033009 Concrete Footing and Column at Garage to Remain</b>			
Lump sum concrete scope at existing garage to remain	1.00 ls	100,000.00 /ls	100,000
<b>033009 Concrete Footing and Column at Garage to Remain</b>		<b>/ls</b>	<b>100,000</b>
<b>312610 Hazardous Waste Remediation</b>			
UST removal - 5000 gal	1.00 ls	62,400.00 /ls	62,400
Remove waste oil	2,500.00 gal	5.00 /gal	12,500
Remove petroleum contaminated oil	170.00 tns	260.00 /tns	44,200
Petroleum contaminated water in tank grave	1,000.00 gal	20.00 /gal	20,000
<b>312610 Hazardous Waste Remediation</b>		<b>/sf</b>	<b>139,100</b>
<b>315010 Temporary Berm For Demo</b>			
Material into basement garage to support existing walls prior to 1st floor demo	2,450.00 cy	90.00 /cy	220,500
Removal of berm (disposal carried elsewhere)	2,450.00 cy	40.00 /cy	98,000
<b>315010 Temporary Berm For Demo</b>			<b>318,500</b>
<b>02.01 DEMOLITION &amp; ABATEMENT</b>	<b>246,123.00 gsf</b>	<b>29.96 /gsf</b>	<b>7,374,462</b>
<b>22.00 PLUMBING - DEMO</b>			
<b>220005 Plumbing - Demo</b>			
Make-safe	1.00 ls	22,594.00 /ls	22,594
<b>220005 Plumbing - Demo</b>		<b>/gsf</b>	<b>22,594</b>
<b>22.00 PLUMBING - DEMO</b>	<b>246,123.00 gsf</b>	<b>0.09 /gsf</b>	<b>22,594</b>
<b>23.00 HVAC - DEMO</b>			
<b>230005 HVAC - Demo</b>			
Make safe	1.00 ls	22,594.00 /ls	22,594
<b>230005 HVAC - Demo</b>		<b>/gsf</b>	<b>22,594</b>
<b>23.00 HVAC - DEMO</b>	<b>246,123.00 gsf</b>	<b>0.09 /gsf</b>	<b>22,594</b>

**26.01 ELECTRIC (TS)**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260505 Electrical Demo</b>			
Electrical demo - cut and make safe - existing school bldg	1.00 ls	55,000.00 /ls	55,000
Selective cut and drop at shared garage	1.00 ls	50,000.00 /ls	50,000
Cut and drop electrical at historic building	34,760.00 sf	1.50 /sf	52,140
<b>260505 Electrical Demo</b>		<b>/gsf</b>	<b>157,140</b>
<b>260506 Temp Electric Service</b>			
Temporary electric service (200A @ 480V)	1.00 ea	20,000.00 /ea	20,000
Temporary electric service (400A @ 480V)	2.00 ea	40,000.00 /ea	80,000
Support for demo operations	1.00 ls	35,000.00 /ls	35,000
<b>260506 Temp Electric Service</b>		<b>/gsf</b>	<b>135,000</b>
<b>26.01 ELECTRIC (TS)</b>	<b>246,123.00 gsf</b>	<b>1.19 /gsf</b>	<b>292,140</b>
<b>31.22 SITEWORK</b>			
<b>310000 Site Misc</b>			
Equipment mobilization, general requirements - phase 1	1.00 ls	24,000.00 /ls	24,000
Survey/layout - phase 1	1.00 ls	14,304.00 /ls	14,304
Police details - for use by site contractor during trucking & utilities - phase 1	30.00 dy	900.00 /dy	27,000
Street sweeping - SOE /demo phase	40.00 dy	1,600.00 /dy	64,000
Street sweeping - site phase 1	20.00 dy	1,600.00 /dy	32,000
Temporary site signage - phase 1	1.00 ls	30,000.00 /ls	30,000
<b>310000 Site Misc</b>	<b>140,615.00 sf</b>	<b>1.36 /sf</b>	<b>191,304</b>
<b>310500 Cut and Cap Utilities</b>			
Cut and cap on School St - drainage complete incl road work	3.00 ls	25,500.00 /ls	76,500
Cut and cap on School St - Sanitary complete incl road work	1.00 ls	25,500.00 /ls	25,500
Cut and cap on Harvard St - sanitary complete incl road work	1.00 ls	25,500.00 /ls	25,500
<b>310500 Cut and Cap Utilities</b>			<b>127,500</b>
<b>311000 Site Clearing</b>			
Sawcut Bituminous concrete paving	400.00 lf	7.23 /lf	2,892
Remove & Dispose Bituminous Pavements - Driveways	10,300.00 sf	1.72 /sf	17,675
Remove & Dispose Concrete Sidewalks, pavers, steps	33,150.00 sf	4.06 /sf	134,456
Remove & Dispose Existing site bollards, fencing, misc site improvements	1.00 ls	31,200.00 /ls	31,200
Remove & Dispose Concrete Walls and footings	1.00 ls	26,000.00 /ls	26,000
Strip loam	378.00 cy	32.00 /cy	12,096
Utility demo	1.00 ls	55,000.00 /ls	55,000
Remove planting beds, shrubs, trees	26,000.00 sf	1.04 /sf	27,040



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>311000 Site Clearing</b>			
Remove & Dispose Site Curbing	900.00 lf	6.24 /lf	5,616
<b>311000 Site Clearing</b>	<b>140,615.00 sf</b>	<b>2.22 /sf</b>	<b>311,975</b>
<b>312215 Sitework Support of SOE</b>			
Allowance for Obstructions	1.00 ls	80,000.00 /ls	80,000
Pre-trenching and support of SOE operations	1.00 ls	100,000.00 /ls	100,000
<b>312215 Sitework Support of SOE</b>		<b>/sf</b>	<b>180,000</b>
<b>312500 Sedimentation and Erosion Control</b>			
Straw Wattle and Silt Fence	2,000.00 lf	24.96 /lf	49,920
Tree protection fence- (4' high Snow Fence)	1.00 ls	5,200.00 /ls	5,200
Clean out catch basin/area drain	8.00 ea	263.01 /ea	2,104
Catch Basin Filter	8.00 ea	179.32 /ea	1,435
Inspect catch basin after each storm	1.00 ls	10,400.00 /ls	10,400
Hold for temp erosion control (fabric, hay, cover) during construction	1.00 ls	20,800.00 /ls	20,800
<b>312500 Sedimentation and Erosion Control</b>	<b>140,615.00 sf</b>	<b>0.64 /sf</b>	<b>89,859</b>
<b>312900 Management &amp; Disposal of Soils</b>			
Dispose of loam	642.60 tns	31.00 /tns	19,921
<b>312900 Management &amp; Disposal of Soils</b>	<b>17,042.00 tn</b>	<b>1.17 /tn</b>	<b>19,921</b>
<b>315000 Temporary Excavation Support and Protection</b>			
SOE for elevator pit in existing building - 2 sides	1.00 ls	45,000.00 /ls	45,000
Soldier pile and lagging - 06.0' - 190'	1,140.00 sfex	140.40 /sfexp	160,056
	p		
Soldier pile and lagging - 10.0' - 325'	3,250.00 sfex	140.40 /sfexp	456,300
	p		
Soldier pile and lagging - 16.0' - 290' (soil nail ?)	4,640.00 sfex	166.40 /sfexp	772,096
	p		
Additional SOE	1.00 ls	100,000.00 /ls	100,000
Mobilization	1.00 ls	40,000.00 /ls	40,000
<b>315000 Temporary Excavation Support and Protection</b>	<b>9,030.00 sf</b>	<b>174.25 /sf</b>	<b>1,573,452</b>
<b>316000 Underpinning</b>			
Underpinning at tunnel	24.00 lf	1,750.00 /lf	42,000
Engineering	1.00 ls	15,600.00 /ls	15,600
<b>316000 Underpinning</b>	<b>96.00 lf</b>	<b>600.00 /lf</b>	<b>57,600</b>
<b>31.22 SITEWORK</b>	<b>246,123.00 gsf</b>	<b>10.37 /gsf</b>	<b>2,551,610</b>

Town of Brookline, John R. Pierce School

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## **6 | Estimate Phase 2 only**



**CONSIGLI**  
*Est. 1905*



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
00.00 GSF	246,123.00 gsf	/gsf	
02.00 FINAL CLEANING	246,123.00 gsf	1.32 /gsf	323,988
03.01 CONCRETE	246,123.00 gsf	39.27 /gsf	9,664,816
03.04 GYPSUM CEMENT UNDERLAYMENT	246,123.00 gsf	1.54 /gsf	378,000
04.01 MASONRY (TS)	246,123.00 gsf	16.09 /gsf	3,959,976
05.01 STRUCTURAL STEEL	246,123.00 gsf	32.73 /gsf	8,056,508
05.03 MISC METALS (TS)	246,123.00 gsf	12.64 /gsf	3,110,312
06.01 ROUGH CARPENTRY & SIDING	246,123.00 gsf	3.95 /gsf	972,910
06.02 FINISH CARPENTRY	246,123.00 gsf	7.47 /gsf	1,839,433
06.03 HISTORIC SALVAGE & REUSE	246,123.00 gsf	0.13 /gsf	30,784
07.01 WATERPROOFING, DAMPPROOFING & CAULKING (TS).23.00 gsf	246,123.00 gsf	8.80 /gsf	2,165,930
07.02 ROOFING & FLASHING (TS)	246,123.00 gsf	8.82 /gsf	2,171,684
07.06 EXTERIOR WALL PANELS	246,123.00 gsf	11.76 /gsf	2,893,714
07.07 SLATE SIDING	246,123.00 gsf	1.95 /gsf	478,933
07.09 SPRAY FIREPROOFING	246,123.00 gsf	2.70 /gsf	665,603
08.01 CURTAIN-WALLS (TB)	246,123.00 gsf	20.65 /gsf	5,083,433
08.02 GLASS & GLAZING (TS)	246,123.00 gsf	4.33 /gsf	1,064,825
08.04 DOORS AND HARDWARE	246,123.00 gsf	4.63 /gsf	1,138,880
08.07 OVERHEAD DOORS	246,123.00 gsf	0.10 /gsf	23,296
09.01 DRYWALL & CARPENTRY	246,123.00 gsf	32.34 /gsf	7,959,824
09.02 TILE (TS)	246,123.00 gsf	3.07 /gsf	754,430
09.03 ACOUSTICAL TILE (TS)	246,123.00 gsf	4.81 /gsf	1,183,463
09.05 RESILIENT FLOORING (TS)	246,123.00 gsf	4.19 /gsf	1,032,209
09.06 TERRAZZO (TS)	246,123.00 gsf	3.49 /gsf	859,871
09.07 PAINTING (TS)	246,123.00 gsf	3.57 /gsf	877,480
09.60 POLISHED CONCRETE	246,123.00 gsf	0.18 /gsf	45,398
09.64 WOOD FLOORING	246,123.00 gsf	0.98 /gsf	241,947
09.65 EPOXY FLOORING	246,123.00 gsf	0.76 /gsf	187,487
09.68 CARPET & MATS	246,123.00 gsf	0.66 /gsf	161,173
09.80 ACOUSTICAL PANELS	246,123.00 gsf	1.91 /gsf	469,506
10.02 SIGNAGE	246,123.00 gsf	0.84 /gsf	206,225
10.03 SPECIALTIES	246,123.00 gsf	3.49 /gsf	858,121



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
11.02 FOOD SERVICE EQUIPMENT	246,123.00 gsf	3.21 /gsf	790,270
11.04 STAGE CURTAIN & RIGGING	246,123.00 gsf	0.90 /gsf	221,919
11.05 GYMNASIUM EQUIPMENT & STANDS	246,123.00 gsf	1.18 /gsf	290,854
11.06 PARKING EQUIPMENT	246,123.00 gsf	0.41 /gsf	100,000
11.07 WINDOW WASHING EQUIPMENT	246,123.00 gsf	0.57 /gsf	140,000
12.02 WINDOW TREATMENT	246,123.00 gsf	1.16 /gsf	284,818
12.30 MANUFACTURED CASEWORK	246,123.00 gsf	7.41 /gsf	1,822,757
14.01 ELEVATOR (TS)	246,123.00 gsf	3.08 /gsf	757,100
21-01 FIRE PROTECTION (TS)	246,123.00 gsf	7.59 /gsf	1,868,091
22-01 PLUMBING (TS)	246,123.00 gsf	17.60 /gsf	4,332,537
23-01 HVAC (TS)	246,123.00 gsf	72.11 /gsf	17,748,753
26-01 ELECTRICAL (TS)	246,123.00 gsf	57.48 /gsf	14,147,756
26-02 PHOTOVOLTAIC	246,123.00 gsf	/gsf	
31.22 SITEWORK	246,123.00 gsf	40.79 /gsf	10,039,902
32.03 SITE CONCRETE	246,123.00 gsf	4.53 /gsf	1,115,608
32.04 LANDSCAPING AND SITE FURNISHINGS	246,123.00 gsf	12.90 /gsf	3,175,267
33.04 GEOTHERMAL WELLS	246,123.00 gsf	14.09 /gsf	3,468,800

**Estimate Totals**

Description	Amount	Totals	Rate
<b>Subtotal</b>	<b>119,164,591</b>	<b>119,164,591</b>	
Design/Estimate Contingency	5,855,596		
Escalation	4,119,444		
	<b>9,975,040</b>	<b>129,139,631</b>	
Non-Trade SDI	807,421		
<b>Subtotal</b>	<b>807,421</b>	<b>129,947,052</b>	
General Conditions	7,683,691		
Winter Conditions	470,000		
General Requirements	3,781,077		
P&P Bond	1,025,475		
Builder's Risk	730,000		
GL Insurance	1,835,482		
	<b>15,525,725</b>	<b>145,472,777</b>	
Contractor's Contingency	3,800,113		2.612 %
	<b>3,800,113</b>	<b>149,272,890</b>	
Fee	2,982,192		
<b>Total</b>		<b>152,255,082</b>	



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>00.00 GSF</b>			
<b>000000 Area Summary - Proposed</b>			
Garage	9,090.00 sf	/sf	
Ground Floor School	48,830.00 sf	/sf	
1st Floor School	49,700.00 sf	/sf	
2nd Floor School	42,230.00 sf	/sf	
3rd Floor School	46,810.00 sf	/sf	
1st Floor Historic	11,610.00 sf	/sf	
2nd Floor Historic	11,610.00 sf	/sf	
3rd Floor Historic	11,540.00 sf	/sf	
Existing garage	0.00 sf	0.00 /sf	0
<b>000000 Area Summary - Proposed</b>	<b>231,420.00 sf</b>	<b>/sf</b>	

**00.00 GSF 246,123.00 gsf /gsf**

**02.00 FINAL CLEANING**

**024900 Final Cleaning**

Final cleaning	231,420.00 gsf	1.40 /gsf	323,988
<b>024900 Final Cleaning</b>			<b>323,988</b>

**02.00 FINAL CLEANING 246,123.00 gsf 1.32 /gsf 323,988**

**03.01 CONCRETE**

**033028 Concrete - Cont Ftgs**

Form/place/strip cont ftg 4B - 24x12	230.00 lf	52.00 /lf	11,960
Form/place/strip cont ftg 4C,4D - 28x12	310.00 lf	52.00 /lf	16,120
Form/place/strip cont ftg 4E, 4F - 30x12	640.00 lf	52.00 /lf	33,280
Form/place/strip cont ftg 4H - 38x12	140.00 lf	52.00 /lf	7,280
Place redimix	125.48 cy	166.40 /cy	20,880
Out of sequence work	1.00 ls	29,999.89 /ls	30,000
Form/place/strip cont ftg	8.00 cy	1,200.01 /cy	9,600
Ready-mix - continuous footings (+5%)	125.48 cy	188.00 /cy	23,590
Rebar 150#/cy	9.41 tn	3,650.00 /tn	34,347
<b>033028 Concrete - Cont Ftgs</b>	<b>243.00 cy</b>	<b>769.78 /cy</b>	<b>187,056</b>

**033030 Concrete - Spread Footings**

F4.0 Form/place/strip spread footings - 3 ea	48.00 sfca	24.96 /sfca	1,198
F4.5 Form/place/strip spread footings - 3 ea	54.00 sfca	24.96 /sfca	1,348
F5.0 Form/place/strip spread footings - 2 ea	47.00 sfca	24.96 /sfca	1,173
F5.5 Form/place/strip spread footings - 6 ea	176.00 sfca	24.96 /sfca	4,393
F6.0 Form/place/strip spread footings - 14 ea	448.00 sfca	24.96 /sfca	11,182
F6.5 Form/place/strip spread footings - 12 ea	468.00 sfca	24.96 /sfca	11,681
F7.0 Form/place/strip spread footings - 15 ea	630.00 sfca	24.96 /sfca	15,725
F7.5 Form/place/strip spread footings - 4 ea	200.00 sfca	24.96 /sfca	4,992



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>033030 Concrete - Spread Footings</b>			
F8.0 Form/place/strip spread footings - 11 ea	645.00 sfca	24.96 /sfca	16,099
F8.5 Form/place/strip spread footings - 6 ea	408.00 sfca	24.96 /sfca	10,184
F9.0 Form/place/strip spread footings - 9 ea	648.00 sfca	24.96 /sfca	16,174
F9.5 Form/place/strip spread footings - 6 ea	494.00 sfca	24.96 /sfca	12,330
F10.0 Form/place/strip spread footings - 11 ea	953.00 sfca	24.96 /sfca	23,787
F10.5 Form/place/strip spread footings - 5 ea	490.00 sfca	24.96 /sfca	12,231
F11.0 Form/place/strip spread footings - 8 ea	821.00 sfca	24.96 /sfca	20,495
F11.5 Form/place/strip spread footings - 4 ea	460.00 sfca	24.96 /sfca	11,482
F12.0 Form/place/strip spread footings - 5 ea	600.00 sfca	24.96 /sfca	14,976
F12.5 Form/place/strip spread footings - 1 ea	133.00 sfca	24.96 /sfca	3,320
F13.0 Form/place/strip spread footings - 2 ea	277.00 sfca	24.96 /sfca	6,914
F13.5 Form/place/strip spread footings - 2 ea	306.00 sfca	24.96 /sfca	7,638
F14.0 Form/place/strip spread footings - 1 ea	168.00 sfca	24.96 /sfca	4,193
Place redi-mix	781.21 cy	130.00 /cy	101,557
Ready-mix - column footings (4000 psi) 5% waste	781.20 cy	188.00 /cy	146,866
Rebar 75#/cy	29.30 tn	3,650.00 /tn	106,945
Pump	13.00 dy	2,028.00 /dy	26,364
Insert anchor bolts, level & grout plates	130.00 ea	290.00 /ea	37,700
<b>033030 Concrete - Spread Footings</b>	<b>848.50 cy</b>	<b>743.60 /cy</b>	<b>630,947</b>
<b>033034 Concrete - Walls</b>			
Form/place/strip fnd walls - 4B - 8"w x 4.0 x 215	1,720.00 sfca	26.00 /sfca	44,720
Form/place/strip fnd walls - 4C, 4D - 12"w x 4.0' x 175	1,400.00 sfca	26.00 /sfca	36,400
Form/place/strip fnd walls - 4C, 4D - 12"w x 14.0' x 260	7,280.00 sfca	26.00 /sfca	189,280
Form/place/strip fnd walls - 4E, 4F - 18"x 3.0' x 230	1,380.00 sfca	26.00 /sfca	35,880
Form/place/strip fnd walls - 4E, 4F - 18"x 14.0' x 705	19,740.00 sfca	26.00 /sfca	513,240
Form/place/strip fnd walls - 4E, 4F - 18"x 29.0' x 175	10,150.00 sfca	26.00 /sfca	263,900
Add to form pilaster	600.00 lf	200.00 /lf	120,000
Add for brick shelf	1,750.00 sf	20.00 /sf	35,000
Place redimix - walls & pilasters	1,079.00 cy	135.00 /cy	145,665
Form/place/strip fnd walls	12.96 cy	2,800.00 /cy	36,288
Rebar at walls (200#/cy)	106.10 ton	3,650.00 /ton	387,265
Pump	20.00 dy	2,028.00 /dy	40,560
Ready-mix - walls (4000 psi) 5% waste	1,049.00 cy	205.00 /cy	215,045
Ready-mix - pilaster (4000 psi)	30.00 cy	205.00 /cy	6,150
Ready-mix - less brick shelf (4000 psi)	(18.00) cy	205.00 /cy	(3,690)
<b>033034 Concrete - Walls</b>	<b>1,061.00 cy</b>	<b>1,946.94 /cy</b>	<b>2,065,703</b>
<b>033035 Columns</b>			
Form/place/strip column - 24"x16" x 11' - (58 ea)	4,640.23 sfca	35.00 /sfca	162,408



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>033035 Columns</b>			
Form/place/strip column - 24"x24" x 11' - (24 ea)	2,112.00 sfca	35.00 /sfca	73,920
Place redi-mix	107.26 cy	182.00 /cy	19,521
Rebar at walls (200#/cy)	10.70 ton	3,744.00 /ton	40,061
Ready-mix - walls (4000 psi) 5% waste	107.26 cy	182.00 /cy	19,521
Pump	8.00 dy	2,028.00 /dy	16,224
<b>033035 Columns</b>	<b>107.26 cy</b>	<b>3,092.07 /cy</b>	<b>331,655</b>
<b>033036 Elevator Pit Footing</b>			
Elevator pit footing - 12" dp (3 ea)	120.00 sfca	31.20 /sfca	3,744
Place redimix - elev ftg	12.00 cy	208.00 /cy	2,496
Ready-mix - elev pit ftg (4000 psi) 5% waste	12.00 cy	182.00 /cy	2,184
Rebar	1.20 tn	3,744.00 /tn	4,493
Pump	3.00 dy	2,028.00 /dy	6,084
<b>033036 Elevator Pit Footing</b>	<b>30.00 cy</b>	<b>633.36 /cy</b>	<b>19,001</b>
<b>033037 Elevator Pit Walls</b>			
Form/place/strip elev pit walls - 12" (3 ea)	840.00 sfca	31.20 /sfca	26,208
Place redi-mix	16.40 cy	187.21 /cy	3,070
Rebar at walls (180#/cy)	1.64 ton	4,160.00 /ton	6,822
Ready-mix - walls (4000 psi) 5% waste	16.40 cy	182.00 /cy	2,985
Pump	2.00 dy	2,028.00 /dy	4,056
<b>033037 Elevator Pit Walls</b>		<b>/cy</b>	<b>43,142</b>
<b>033038 Footing and Wall at Historic</b>			
Spread footing - 54"x54"x12" x 2	36.00 sfca	28.00 /sfca	1,008
Cont footing - 42"x12" x 45	90.00 sfca	28.00 /sfca	2,520
Cont footing - 24"x12" x 55	110.00 sfca	28.00 /sfca	3,080
Wall - 18" x 12.0' x 51	1,224.00 sfca	28.00 /sfca	34,272
Wall at ramp and elev room - 8" x 4.0' x 30	240.00 sfca	26.00 /sfca	6,240
Redimix - spread footing	1.65 cy	205.04 /cy	338
Redimix - cont footing	10.90 cy	205.04 /cy	2,235
Redimix wall	40.37 cy	205.01 /cy	8,276
Rebar - footing	1.00 ton	3,649.97 /ton	3,650
Rebar - wall	4.40 ton	3,650.01 /ton	16,060
Place concrete	53.00 cy	200.00 /cy	10,600
Pump	5.00 dy	2,027.98 /dy	10,140
Note 55 - infill foundation wall at abondended door opgn	1.00 ls	3,328.37 /ls	3,328
Drill and grout to existing	1.00 ls	20,000.00 /ls	20,000
<b>033038 Footing and Wall at Historic</b>	<b>53.00 cy</b>	<b>2,297.13 /cy</b>	<b>121,748</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>033039 Sump Pit</b>			
Sump pit at historic building	1.00 ls	25,000.00 /ls	25,000
Sump pit at new building	1.00 ls	25,000.00 /ls	25,000
Sump pit at historic building	(1.00) ls	14,999.79 /ls	(15,000)
<b>033039 Sump Pit</b>			<b>35,000</b>
<b>033040 Concrete - Slabs on Grade</b>			
Place & finish SOG 4" - elev 30.0 & 32.4 (lobby & multipurpose)	9,090.00 sf	4.68 /sf	42,541
Place & finish SOG 4" - elev 31.0 (garage)	48,830.00 sf	4.68 /sf	228,524
Place & finish SOG 4" - elev 42.0, 72.0	500.00 sf	4.68 /sf	2,340
WWM - 6x6-2.9 galv	58,420.00 sf	1.25 /sf	73,025
Redimix (4"+10%)	793.36 cy	182.00 /cy	144,392
Misc edge form/depressed slab	58,420.00 sf	2.08 /sf	121,514
Rigid insulation - 6" (24" from perimeter (USA1/A03D)	580.00 sf	7.20 /sf	4,176
Rigid insulation - 4" all occupied locations (USA1/A5.01)	9,090.00 sf	5.60 /sf	50,904
Vapor barrier (USA1/A03D) - 0726V	9,090.00 sf	0.80 /sf	7,272
<i>Vapor barrier (USA2/A03D) - 0726V - garage</i>	<i>48,830.00 sf</i>	<i>/sf</i>	
Place & finish SOG 4" - elev 31.0 (garage)	(48,830.00) sf	9.86 /sf	(481,464)
<b>033040 Concrete - Slabs on Grade</b>	<b>58,420.00 sf</b>	<b>3.31 /sf</b>	<b>193,224</b>
<b>033041 Concrete - Slab on Grade Patching at Historic Bldg</b>			
Place & finish SOG 4" - historic bldg basement	3,700.00 sf	10.00 /sf	37,000
WWM - 6x6-2.9 galv	3,700.00 sf	1.56 /sf	5,772
Redimix (4"+10%)	50.25 cy	182.00 /cy	9,146
Rigid insulation - 6" (24" from perimeter (USA1/A03D)	3,700.00 sf	7.20 /sf	26,640
Vapor barrier (USA2/A03D) - 0726V	3,700.00 sf	0.80 /sf	2,960
Roughen perimeter (detail 4/S02) -1040'	1,040.00 lf	10.00 /lf	10,399
Drill and grout w/ 16" long #4 dowel - 16" oc	858.00 ea	55.02 /ea	47,204
patch SOG - historic bldg basement	(1,263.00) sf	30.00 /sf	(37,890)
Place & finish SOG 4" - historic bldg basement	260.00 sf	55.00 /sf	14,300
<b>033041 Concrete - Slab on Grade Patching at Historic Bldg</b>	<b>3,700.00 sf</b>	<b>31.23 /sf</b>	<b>115,531</b>
<b>033042 Concrete - Slab on Grade Historic Buildig</b>			
Place & finish SOG 6"	1,300.00 sf	8.00 /sf	10,400
WWM - 4x4-4.0 galv	1,300.00 sf	2.60 /sf	3,380
Redimix (6"+10%)	26.48 cy	182.00 /cy	4,819
Misc edge form/depressed slab	1,300.00 sf	2.08 /sf	2,704
Rigid insulation - 6" all occupied locations (USA1/A5.01)	1,300.00 sf	7.20 /sf	9,360
Vapor barrier (USA1/A03D) - 0726V	1,300.00 sf	0.80 /sf	1,040



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>033042 Concrete - Slab on Grade Historic Buildig</b>	<b>1,300.00 sf</b>	<b>24.39 /sf</b>	<b>31,703</b>
<b>033043 Structural Slab</b>			
Shore and form structural 2 way slab - 1st floor elev 42.0 (above garage)	44,440.00 sf	30.00 /sf	1,333,200
Shore and form structural 2 way slab - 2nd floor elev 57.0 (above garage)	2,720.00 sf	32.00 /sf	87,040
Suspended Form slab perimeter	1,600.00 lf	40.00 /lf	64,000
Slab depression at gym	160.00 lf	30.00 /lf	4,800
Place & finish structural slab (10") - 1st floor elev 42.0	44,030.00 sf	5.30 /sf	233,535
Place & finish structural slab (16") - 2nd floor elev 57.0	2,720.00 sf	6.00 /sf	16,320
Place & finish structural slab (6") - 1st floor elev 42.0	410.00 sf	5.30 /sf	2,175
Suspended Form at beams - 2"	174.00 lf	38.00 /lf	6,612
Suspended Form at beams - 4"	72.00 lf	38.00 /lf	2,736
Suspended Form at beams - 8"	32.00 lf	42.00 /lf	1,344
Suspended Form at beams - 14"	1,658.00 lf	50.00 /lf	82,900
Suspended Form at beams - 18"	116.00 lf	60.00 /lf	6,960
Suspended Form at beams - 20"	50.00 lf	80.00 /lf	4,000
Suspended Form at dropped panels - 6"	3,303.96 lf	38.00 /lf	125,550
Drill and grout into existing wall	60.00 ea	114.40 /ea	6,864
Redimix 5000#	1,650.95 cy	215.00 /cy	354,954
Redimix 5000# - add for dropped pans at columns (9'-4"sqr x 6" dp x 60 full 38 half)	141.86 cy	215.00 /cy	30,500
Redimix 4000# - add for beams- 800' x 18wx12	79.60 cy	215.00 /cy	17,114
Rebar at beams	22.65 ton	3,650.00 /ton	82,673
Rebar #5 9" oc ewtb (7.28#/sf)	171.66 ton	3,650.00 /ton	626,559
Rebar at column lines #6 9"oc x 14'w	42.81 ton	3,650.00 /ton	156,257
Rebar at above column locations #7 9" oc x 11' ew x 98 ea	43.09 ton	3,650.00 /ton	157,279
<b>033043 Structural Slab</b>	<b>47,160.00 sf</b>	<b>72.17 /sf</b>	<b>3,403,371</b>
<b>033044 Concrete - SOD (floors)</b>			
Place & finish SOD LW (6.25")	84,530.00 sf	4.25 /sf	359,253
Place & finish SOD NW (6.5")	17,500.00 sf	4.25 /sf	74,375
WWM 6x6 - 2.9	102,030.00 sf	1.14 /sf	116,314
Ready-mix - slabs-on-deck - floor (4000 psi LW) (6.25")	1,630.59 cy	222.00 /cy	361,991
Ready-mix - slabs-on-deck - floor (4000 psi NW) (6.5")	351.08 cy	182.00 /cy	63,897
Rebar over girders - #5 12" oc x 8' (2,550 x 8 x 1.05 x1.20)	12.85 tn	3,600.00 /tn	46,260
Misc edge form/depressed slab	102,030.00 sf	0.83 /sf	84,889
<b>033044 Concrete - SOD (floors)</b>	<b>102,030.00 sf</b>	<b>10.85 /sf</b>	<b>1,106,978</b>

**033045 Concrete - Structural Slab on Existing Building Roof**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>033045 Concrete - Structural Slab on Existing Building Roof</b>			
Shore and form structural 2 way slab - S102.H	210.00 sf	120.00 /sf	25,200
Place & finish structural slab (6")	410.00 sf	20.00 /sf	8,200
Drill and grout into existing wall	1.00 ls	6,000.00 /ls	6,000
Redimix 5000#	5.70 cy	205.00 /cy	1,169
Rebar #5 9" oc ewtb (7.28#/sf)	1.05 ton	3,650.00 /ton	3,833
<b>033045 Concrete - Structural Slab on Existing Building Roof</b>	<b>210.00 sf</b>	<b>211.43 /sf</b>	<b>44,401</b>
<b>033046 Concrete - Topping Slab</b>			
Place & finish topping slab 3" (waterproofing only)	2,700.00 sf	4.25 /sf	11,475
Place & finish topping slab 4" on rigid insulation	38,600.00 sf	4.25 /sf	164,050
Place & finish topping slab 4" on acoustical mat	16,220.00 sf	4.25 /sf	68,935
Place & finish topping slab 6" on insulation	2,650.00 sf	4.25 /sf	11,263
WWM 6x6-2.9	60,170.00 sf	1.14 /sf	68,834
Ready-mix - (4000 psi) LW topping slab	825.95 cy	222.00 /cy	183,361
Insulation - 6"	46,970.00 sf	6.24 /sf	293,093
Acoustical mat 2"	16,220.00 sf	8.50 /sf	137,870
<b>033046 Concrete - Topping Slab</b>	<b>60,170.00 sf</b>	<b>15.60 /sf</b>	<b>938,881</b>
<b>033048 Concrete - Pan Fill Stairs</b>			
Place and finish egress stairs #1-7	12.00 fl	5,720.00 /fl	68,640
<b>033048 Concrete - Pan Fill Stairs</b>	<b>2,500.00 flgt</b>	<b>27.46 /flgt</b>	<b>68,640</b>
<b>033049 Concrete Pad</b>			
Raised pad at garage entry gates	20.00 sf	30.00 /sf	600
MEP housekeeping pads	500.00 sf	30.00 /sf	15,000
<b>033049 Concrete Pad</b>	<b>16,988.00 sf</b>	<b>0.92 /sf</b>	<b>15,600</b>
<b>033090 Misc Concrete</b>			
Premium for winter redimix (other winter cond with GRs)	2,200.00 cy	20.00 /cy	44,000
Mobilization	1.00 ls	100,000.00 /ls	100,000
Adj	1.00 ls	100,000.00 /ls	100,000
<b>033090 Misc Concrete</b>			<b>244,000</b>
<b>072100 Thermal Insulation</b>			
Rigid insulation at perimeter walls (2.0' at frost walls, 10.0' at basement walls)	9,000.00 sf	4.00 /sf	36,036
<b>072100 Thermal Insulation</b>	<b>408,500.00 gsf</b>	<b>0.09 /gsf</b>	<b>36,036</b>
<b>312323 Light-weight Fill</b>			
note 56 - infill stairwell with geof foam	2,000.00 cf	14.00 /cf	28,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>312323 Light-weight Fill</b>			
Patch existing garage slab - 35' x 3'w	105.00 sf	40.00 /sf	4,200
<b>312323 Light-weight Fill</b>			<b>32,200</b>
<hr/>			
<b>03.01 CONCRETE</b>	<b>246,123.00 gsf</b>	<b>39.27 /gsf</b>	<b>9,664,816</b>
<hr/>			
<b>03.04 GYPSUM CEMENT UNDERLAYMENT</b>			
<b>035413 Gypsum Cement Underlayment</b>			
(H) 1st floor - 1-3/8" gypsum concrete - 1st floor	12,600.00 sf	11.00 /sf	138,600
(H) 1st floor - 1-3/8" gypsum concrete - 2nd floor	12,600.00 sf	11.00 /sf	138,600
(H) acoustimat - 1/4"	25,200.00 sf	4.00 /sf	100,800
<b>035413 Gypsum Cement Underlayment</b>		<b>/sf</b>	<b>378,000</b>
<hr/>			
<b>03.04 GYPSUM CEMENT UNDERLAYMENT</b>	<b>246,123.00 gsf</b>	<b>1.54 /gsf</b>	<b>378,000</b>
<hr/>			
<b>04.01 MASONRY (TS)</b>			
<b>042000 Masonry - Brick</b>			
Exterior staging (premium for restricted)	39,393.75 sf	8.00 /sf	315,150
Bond - masonry	3,980.00 M	10.00 /M	39,800
Mock- up - masonry	1.00 ls	52,000.00 /ls	52,000
Brick veneer on CFMF Backup (EWA-10S)	20,726.00 sf	46.00 /sf	953,396
Brick veneer on 8" CMU Backup (EWA-10M)	1,074.00 sf	46.00 /sf	49,404
Brick veneer on 8" CMU Backup (EWA-10MU)	1,672.00 sf	46.00 /sf	76,912
Brick veneer on 12" CMU Backup (EWA-10M12)	2,376.00 sf	46.00 /sf	109,296
Brick veneer on CIP Concrete Backup (EWA-10C)	1,802.00 sf	46.00 /sf	82,892
Brick veneer on CIP Concrete Backup (EWA-10CU)	1,866.00 sf	46.00 /sf	85,836
Brick veneer Historic Building (EWA-11H)	635.00 sf	65.00 /sf	41,275
Mineral Batt insulation at EWA-10M - 5"	1,074.00 sf	4.42 /sf	4,747
Mineral Batt insulation at EWA-10M12 - 5"	2,376.00 sf	4.42 /sf	10,502
Mineral Batt insulation at EWA-10C - 5"	1,802.00 sf	4.42 /sf	7,965
Mineral Batt insulation at EWA-10CU - 5"	1,866.00 sf	4.42 /sf	8,248
Mineral Batt insulation at EWA-11H - 6"	635.00 sf	4.42 /sf	2,807
Mineral Batt insulation at EWA-10S - 5"	20,726.00 sf	4.42 /sf	91,609
Anti-graffiti coating	0.00 sf	/sf	
Add for date stone	1.00 ls	2,080.00 /ls	2,080
Install lintel for new opening to existing school and modify opng	7.00 ls	5,200.00 /ls	36,400
Enclose and heat staging	39,394.00 sf	6.00 /sf	236,364
Premium for 4" project brick	3,000.00 lf	16.00 /lf	48,000
Repair masonry at bridge	1.00 ls	20,000.00 /ls	20,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>042000 Masonry - Brick</b>	<b>30,151.00 sf</b>	<b>75.44 /sf</b>	<b>2,274,682</b>
<b>042010 Masonry - CMU</b>			
EWA-10M CMU back-up at building veneer - 8"	1,074.00 sf	35.10 /sf	37,697
EWA-10M12 CMU back-up at building veneer - 12"	2,376.00 sf	42.64 /sf	101,313
EWA-10MU CMU back-up at building veneer - 8"	1,672.00 sf	36.14 /sf	60,426
(H) Infill opening with CMU - typ 4.5'w - basement	20.00 loc	2,400.00 /loc	48,000
(H) Re-build and re-open areaway	1.00 ls	8,500.00 /ls	8,500
Elev shaft - 2 - 34' x 24'-8"	840.00 sf	48.00 /sf	40,320
Elev shaft - 1 - 35' x 57'	1,995.00 sf	48.00 /sf	95,760
(H) Elev shaft - 1 - 35' x 40'	1,400.00 sf	56.00 /sf	78,400
CMU - interior wall - 8" at garage level	1,500.00 sf	38.00 /sf	57,000
CMU - interior wall - gym - acoustic block 255'x29'	7,337.00 sf	38.00 /sf	278,806
CMU - interior wall - level 1 - 255" x 15'	3,825.00 sf	38.00 /sf	145,350
EWA 02M - CMU - ext wall - level 1 - 165 x 15'	2,475.00 sf	38.00 /sf	94,050
(H) Infill opening with CMU - typ 4.5'w - above basement	32.00 loc	2,400.00 /loc	76,800
(H) masonry restoration for beam pockets, door openings	1.00 ls	106,000.00 /ls	106,000
(H) masonry cut and patch	32,000.00 gsf	1.00 /gsf	32,000
CMU - interior wall - gym - acoustic block	1,732.00 sf	14.00 /sf	24,248
<b>042010 Masonry - CMU</b>		<b>/sf</b>	<b>1,284,670</b>
<b>044200 Exterior Stone Cladding</b>			
Granite veneer base on CFMF - 1-1/2" thick (EWA-20S)	1,000.00 sf	208.00 /sf	208,000
Granite veneer base on CMU - 1-1/2" thick (EWA-20M)	430.00 sf	208.00 /sf	89,440
Granite sill at base - 1-1/2" thick	456.00 sf	208.00 /sf	94,848
Insulation behind granite	1,886.00 sf	4.42 /sf	8,336
<b>044200 Exterior Stone Cladding</b>		<b>/sf</b>	<b>400,624</b>
<b>04.01 MASONRY (TS)</b>	<b>246,123.00 gsf</b>	<b>16.09 /gsf</b>	<b>3,959,976</b>
<b>05.01 STRUCTURAL STEEL</b>			
<b>051200 Structural Steel</b>			
Structural steel - beams W shapes (+13%)	732.36 tn	5,240.00 /tn	3,837,566
Structural steel - beams - HSS (+13%)	25.34 tn	5,340.00 /tn	135,316
Structural steel - beams C20.7 (+13%)	1.01 tn	6,000.00 /tn	6,060
Structural steel - columns W shapes (+13%)	228.10 tn	5,240.00 /tn	1,195,244
Structural steel - columns HSS (+13%)	30.10 tn	5,340.00 /tn	160,734
Structural steel - brace framing HSS (+13%)	35.62 tn	6,140.00 /tn	218,707
Structural steel - roof screen W shapes galv (+13%)	17.29 tn	6,040.00 /tn	104,432
Structural steel - roof screen HSS galv (+13%)	35.60 tn	6,140.00 /tn	218,584



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>051200 Structural Steel</b>			
Structural steel - roof screen beams for PV W shapes galv (+13%)	66.03 tn	6,040.00 /tn	398,821
Structural steel - roof screen columns - HSS galv (+13%)	7.51 tn	6,140.00 /tn	46,111
Add for AESS steel at steel noted as intumescent (H) HSS6x6x3/8" columns - 2 ea	1.00 ls 2.00 ea	50,000.00 /ls 5,000.00 /ea	50,000 10,000
Structural steel - wind girts and PV tabs at roof screen per detail EWA-41S A0.03	18.00 tn	8,000.00 /tn	144,000
Credit for structural steel framing at roof level	(275.00) tn	5,240.00 /tn	(1,441,000)
Structural steel framing at roof level	275.00 tn	5,240.00 /tn	1,441,000
Relieving angle	1.00 ls	400,000.00 /ls	400,000
<b>051200 Structural Steel</b>	<b>1,179.00 tn</b>	<b>5,874.11 /tn</b>	<b>6,925,575</b>
<b>051300 Steel Deck</b>			
Steel deck - 3" dp x 20 ga. incl shear studs and edge - floors	102,030.00 sf	7.50 /sf	765,225
Steel deck - 3" dp x 18 ga., no studs	21,970.00 sf	6.40 /sf	140,608
(H) Steel deck at top of elevator shaft A1.14H	90.00 sf	20.00 /sf	1,800
Steel deck - 3" dp x 20/20 ga. acoustical decking (note 1A)	16,240.00 sf	13.75 /sf	223,300
<b>051300 Steel Deck</b>	<b>140,240.00 tn</b>	<b>8.06 /tn</b>	<b>1,130,933</b>
<b>05.01 STRUCTURAL STEEL</b>	<b>246,123.00 gsf</b>	<b>32.73 /gsf</b>	<b>8,056,508</b>

**05.03 MISC METALS (TS)**

**055000 Metal Fabrications**

(H) Replace railing at existing stairs 8 stainless steel	4.00 fl	24,000.00 /fl	96,000
(H) steel pan steps at basement corridor - 10' wide	3.00 rs	4,500.00 /rs	13,500
(H) steps at mech room M160	6.00 rs	4,000.00 /rs	24,000
cane detection rail (A7.02, A7.05, A7.06)	14.00 lf	425.00 /lf	5,950
handrails at wood steps at stage 1/A7.03	12.00 lf	625.00 /lf	7,500
(H) platform at mech room M160	50.00 sf	150.00 /sf	7,500
(H) rail at mech room M160	18.00 lf	450.00 /lf	8,100
(H) rail at edge of slab drop (not shown)	92.00 lf	416.00 /lf	38,272
(H) Replace railing at existing vestibule stairs	2.00 fl	8,320.00 /fl	16,640
(H) Ornamental guardrail at 2nd floor opening near elev 3	14.00 lf	624.00 /lf	8,736
(H) dbl handrails at ramp - 2nd floor	36.00 lf	468.00 /lf	16,848
(H) dbl handrails at ramp - 1st floor	80.00 lf	468.00 /lf	37,440
(H) handrails at int steps - 1st floor	20.00 lf	520.00 /lf	10,400
Roof ladders, note 10 on plan, 1,12/A3.04 - 15'	3.00 ;s	28,000.00 /;s	84,000
Seismic clips - 8'oc each side - interior	320.00 pr	325.00 /pr	104,000
Elevator pit ladders	2.00 ls	4,680.00 /ls	9,360
(H) Roof ladders, note 10 on plan, 1,12/A3.04 - 15'	1.00 ;s	28,000.00 /;s	28,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>055000 Metal Fabrications</b>			
(H) Elevator pit ladders	1.00 ls	4,680.00 /ls	4,680
Misc metals for multi-purpose room and stage	1.00 ls	31,200.00 /ls	31,200
Steel support for security grlll	28.00 lf	832.00 /lf	23,296
Floor mounted bollard	7.00 ea	1,560.00 /ea	10,920
Bike rack at garage	13.00 lf	468.00 /lf	6,084
Frame for OH fire door - 20'	1.00 ls	14,560.00 /ls	14,560
Frame for garage OH door - 22'	1.00 ls	16,640.00 /ls	16,640
Solar tubes at science and fab lab	8.00 ls	5,200.00 /ls	41,600
Support for solid guardrail at lobby stairs A7.03	45.00 lf	400.00 /lf	18,000
Support framing for solid wall rails at stair 9/A7.20	115.00 lf	400.00 /lf	46,000
Ext steel pipe rail (type 3) - 0552G3 at courtyard	220.00 lf	470.00 /lf	103,400
Ramp rails at bridge - stainless stl	28.00 lf	925.00 /lf	25,900
Ramp 1 at ground floor ramp/passag 0552G3 (A7.13)	115.00 lf	510.00 /lf	58,650
Ramp 3 at ground floor garage 0552G3 (A7.13)	55.00 lf	510.00 /lf	28,050
Ramp 4 at ground floor 0552G3 (A7.14)	64.00 lf	510.00 /lf	32,640
Pedistal bollard at EV - 2x14	28.00 ea	600.00 /ea	16,800
Steps, platform and rail for emergency generator	1.00 ls	30,000.00 /ls	30,000
Railing at knee wall	70.00 lf	310.00 /lf	21,700
<b>055000 Metal Fabrications</b>		<b>/gsf</b>	<b>1,046,366</b>
<b>055001 Metal Fabrications - Sitework</b>			
RH-10 handrail at stairs L8-20	190.00 lf	520.00 /lf	98,800
RH-10 handrail at ramps L8-20	960.00 lf	468.00 /lf	449,280
RG-01 gurdrail at top of wall - 4' high galv painted L8-20	220.00 lf	600.00 /lf	132,000
RG-10 gurdrail - 8' high galv painted L8-20	50.00 lf	925.00 /lf	46,250
SL 01 Steel runnel L8-10	120.00 lf	600.00 /lf	72,000
SL 10 steel scupper - 1/2" weathering steel - 11" x 24"	4.00 ea	1,800.00 /ea	7,200
Bollard allowance	1.00 ls	20,000.00 /ls	20,000
SL 01 Steel runnel L8-10	(120.00) lf	600.00 /lf	(72,000)
In lieu of runnel	120.00 lf	300.00 /lf	36,000
<b>055001 Metal Fabrications - Sitework</b>			<b>789,530</b>
<b>055113 Metal Pan Stairs</b>			
Bond on misc metals	3,100.00 M	10.00 /M	31,000
Egress stair #2 to 42 to 72 (2 flights) A7.02 - stainless steel	60.00 rs	2,420.00 /rs	145,200
Egress stair #4 elev 42 to 72 (2 flights) A7.04	60.00 rs	1,982.00 /rs	118,920
Egress stair #5 elev 42 to 72 (2 flights)	60.00 rs	1,982.00 /rs	118,920
Egress stair #6 elev 42 to 72 (2 flights)	60.00 rs	1,982.00 /rs	118,920
Egress stair #7 elev 31 to 42 (1 flights)	22.00 rs	1,982.00 /rs	43,604



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>055113 Metal Pan Stairs</b>			
Custom stairs #1 main core elev 42 to 72, no rails (2 flights) A701A,B	60.00 rs	2,900.00 /rs	174,000
Custom stairs #3 to gym wing elev 30 to 42, no rails (1 flight) A703	24.00 rs	2,550.00 /rs	61,200
(H) Stairs and rail 8,9 - ETR	52.00 rs	/rs	
(H) Stairs and rail 9 - add for stainless steel	52.00 rs	/rs	
Stair to roof - alternating treads	1.00 ls	40,000.00 /ls	40,000
<b>055113 Metal Pan Stairs</b>		<b>/fl</b>	<b>851,764</b>
<b>055313 Bar Grating</b>			
Metal grate at areaway	110.00 sf	156.00 /sf	17,160
<b>055313 Bar Grating</b>		<b>/sf</b>	<b>17,160</b>
<b>057313 Glazed Decorative Metal Railings</b>			
Stair rail - stainless steel - main core 2/A7,03	72.00 lf	936.00 /lf	67,392
Stair rail - stainless steel wall mtd rail - stair 1 A7.01A	240.00 lf	310.00 /lf	74,400
Aluminum base at stairs 0575B1	290.00 lf	60.00 /lf	17,400
Aluminum pofile at stairs 0742L	60.00 lf	125.00 /lf	7,500
Stair rail - stainless steel floor mtd rail - stair 1 A7.01A	65.00 lf	880.00 /lf	57,200
Exterior glass railing	90.00 lf	800.00 /lf	72,000
<b>057313 Glazed Decorative Metal Railings</b>			<b>295,892</b>
<b>077100 Roof Specialties</b>			
(H) Roof ladder	1.00 ea	2,600.00 /ea	2,600
Roof ladder	3.00 ea	2,600.00 /ea	7,800
<b>077100 Roof Specialties</b>			<b>10,400</b>
<b>130100 Bus Canopy - Sitework</b>			
FS 60 Bus canopy structure complete L8-	250.00 sf	350.00 /sf	87,500
<b>130100 Bus Canopy - Sitework</b>			<b>87,500</b>
<b>323119 Metal Fencing and Gates</b>			
Garage separation fence (note 43,44) - ground floor	50.00 lf	93.60 /lf	4,680
Garage separation fence (note 43,44) - 1st floor	75.00 lf	93.60 /lf	7,020
<b>323119 Metal Fencing and Gates</b>		<b>/lf</b>	<b>11,700</b>
<b>05.03 MISC METALS (TS)</b>	<b>246,123.00 gsf</b>	<b>12.64 /gsf</b>	<b>3,110,312</b>

**06.01 ROUGH CARPENTRY & SIDING**

**060050 Rough Carpentry - Structural**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>060050 Rough Carpentry - Structural</b>			
Wood sheathing, trusses, blocking, load bearing walls complete - floors	1,300.00 sf	80.00 /sf	104,000
Wood sheathing, trusses, blocking, load bearing walls complete - roof	1,300.00 sf	80.00 /sf	104,000
Cut and re-frame opening for elevator incl shoring	3.00 fl	62,400.00 /fl	187,200
Cut and re-frame dropped slab and ramp at level 2	520.00 sf	260.00 /sf	135,200
Engineering for shoring	1.00 ls	30,000.00 /ls	30,000
(H) structural improvements to wood framing	24,000.00 sf	5.00 /sf	120,000
Stair riser/tread replacement	4.00 fl	25,000.00 /fl	100,000
		<b>/sf</b>	<b>780,400</b>
<b>061000 Rough Carpentry</b>			
(H) attic walkway - 1 layer 3/4" plywd	740.00 sf	12.00 /sf	8,880
		<b>/sf</b>	<b>8,880</b>
<b>062013 Exterior Finish Carpentry</b>			
Mineral Batt insulation at EWA-50S - 5"	1,500.00 sf	4.42 /sf	6,630
Wood siding on CFMF - (EWA-50S)	1,500.00 sf	110.00 /sf	165,000
Staging for wood siding	1,500.00 sf	8.00 /sf	12,000
		<b>/sf</b>	<b>183,630</b>
<b>06.01 ROUGH CARPENTRY &amp; SIDING</b>	<b>246,123.00 gsf</b>	<b>3.95 /gsf</b>	<b>972,910</b>
<b>06.02 FINISH CARPENTRY</b>			
<b>064020 Interior Architectural Woodwork</b>			
Window sills where above floor level - assume Solid Surface	530.00 lf	71.44 /lf	37,865
Custom wd bench w/ cubbies below - locker room	20.00 lf	1,092.00 /lf	21,840
Double sided Bookcase w/adj. shelving - powered	17.00 lf	1,029.00 /lf	17,493
Art corridor display shelving - integrated to interior glass window	95.00 lf	720.00 /lf	68,400
Custom wood screen wall 72" H x 72"L w/ glass feature - 0640K4/5 tile & terrazzo carried elsewhere	96.00 lf	1,080.00 /lf	103,680
Custom 7'-6" curved screen wall with wood paneling - 0640K2/3	69.00 lf	1,400.00 /lf	96,600
Custom wd bench - 0640G	135.00 lf	676.00 /lf	91,260
Open pLam shelving - 4 tiers	64.00 lf	350.00 /lf	22,400
Custom L-desk 30" pLam worksurface with fabric wrapped tacked panels - note 22	25.00 lf	1,450.00 /lf	36,250
Custom angled circulation desk 30" w/ quartz counter	12.00 lf	2,300.00 /lf	27,600
Custom screen wall - open display system - note 27	9.00 lf	1,144.00 /lf	10,296



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>064020 Interior Architectural Woodwork</b>			
Wall mtd display hardware with wd trim - HR-1	50.00 lf	364.00 /lf	18,200
Millwork custom wood screens - library - 0640K16	20.00 lf	3,120.00 /lf	62,400
Custom open display shelving - library - 0640K17	17.00 lf	750.00 /lf	12,750
Wood railing at hisoric building attic - 064316	173.00 lf	100.00 /lf	17,300
Open pLam shelving - 3 tier	189.00 lf	322.40 /lf	60,934
Custom open display shelving integrated with interior storefront - note 28 - 0640K19	26.00 lf	1,040.00 /lf	27,040
Open pLam shelving - per note 4	140.00 lf	350.00 /lf	49,000
Integral low bookcase - 1 tier	56.00 lf	514.80 /lf	28,829
Low bookcase - 3 tier - 40"	35.00 lf	650.00 /lf	22,750
Custom book drop cabinet - library - 0640K21	4.00 lf	1,500.00 /lf	6,000
Lockable display cabinet sliding 1/2" glass doors - 0640K7	19.00 lf	1,500.00 /lf	28,500
Wood railing at hisoric building attic - 064316	(173.00) lf	100.00 /lf	(17,300)
Wood chair rail - 0640F	230.00 lf	35.00 /lf	8,050
Interior trim - 0640C	4,339.00 lf	25.00 /lf	108,475
Interior trim - paint - 0640C1	626.00 lf	25.00 /lf	15,650
Millwork coat hangers/hooks	48.00 lf	50.00 /lf	2,400
Ballett bar - note 18	23.00 lf	100.00 /lf	2,300
wood framed interior lights - various heights (glazing by others)	234.00 lf	420.00 /lf	98,280
Reclaimed wood feature @ kindergarten corridor - 1/A9.13	169.00 sf	150.00 /sf	25,350
Reclaimed wood feature @ historical corridor 210	454.00 sf	150.00 /sf	68,100
Reclaimed Motif - Project 214 - WD-2	354.00 sf	150.00 /sf	53,100
Reclaimed Motif - Corridor 305- WD-2	126.00 sf	150.00 /sf	18,900
Sensory wall mounted on z-clips - note 26	1.00 allw	1,500.00 /allw	1,500
Millwork wood storefront - 205.2 - Library trim only	180.00 sf	90.00 /sf	16,200
Millwork wood storefront - 262 - Library trim only	96.00 sf	90.00 /sf	8,640
0640W - Classroom panel 3/4" Solid Wd-1 Trim w/plywood back panel with tackboard	126.00 sf	55.00 /sf	6,930
(H) rail in attic , drwg A1.14H	190.00 lf	350.00 /lf	66,500
WD-2 Reclaimed Motif - Project 214	(354.00) sf	150.00 /sf	(53,100)
WD-2 Reclaimed Motif - Corridor 305- WD-2	(126.00) sf	150.00 /sf	(18,900)
WD-1 Reclaimed Motif - Project 214	354.00 sf	92.00 /sf	32,568
WD-1 Reclaimed Motif - Corridor 305- WD-2	126.00 sf	92.00 /sf	11,592
Wood base lgm at lockers	130.00 lf	45.00 /lf	5,850
<b>064020 Interior Architectural Woodwork</b>	<b>408,500.00 gsf</b>	<b>3.25 /gsf</b>	<b>1,328,471</b>

**064216 Flush Wood Paneling**

Wood wall panels - WD-1 - procenium - 0640K11	1,020.00 sf	109.20 /sf	111,384
Wood wall panels at multipurpose - WD-3 - MDF paint graid	570.00 sf	75.00 /sf	42,750



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>064216 Flush Wood Paneling</b>			
Wood wall paneling- 0642P	3,172.00 sf	91.00 /sf	288,652
Wood wall paneling- slanted - 0642P	263.00 sf	110.00 /sf	28,930
1x8 solid wood slat @ guardrail - 0642S	58.00 sf	102.00 /sf	5,916
Wood wall paneling- stair 3	303.00 sf	110.00 /sf	33,330
<b>064216 Flush Wood Paneling</b>		<b>/sf</b>	<b>510,962</b>
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<b>06.02 FINISH CARPENTRY</b>	<b>246,123.00 gsf</b>	<b>7.47 /gsf</b>	<b>1,839,433</b>
<hr/>			
<b>06.03 HISTORIC SALVAGE &amp; REUSE</b>			
<b>061400 Salvage &amp; Reuse</b>			
note 86 - remove and reinstall minature replica of the "Elgin Marbles"	32.00 lf	832.00 /lf	26,624
note 87 - reinstall MLK print w/ UV protective plexiglass	1.00 ls	2,080.00 /ls	2,080
Attic flooring	1.00 ls	2,080.00 /ls	2,080
<b>061400 Salvage &amp; Reuse</b>			<b>30,784</b>
<hr/>			
<b>06.03 HISTORIC SALVAGE &amp; REUSE</b>	<b>246,123.00 gsf</b>	<b>0.13 /gsf</b>	<b>30,784</b>
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<b>07.01 WATERPROOFING, DAMPPROOFING &amp; CAULKING (TS)</b>			
<b>071416 Membrane Waterproofing</b>			
Prepruf at pits	2.00 ls	8,000.00 /ls	16,000
Sheet waterproofing with drainage board - add for footing	2,400.00 sf	11.00 /sf	26,400
Sheet waterproofing with drainage board at frost walls	1,075.00 sf	11.00 /sf	11,825
Sheet waterproofing with drainage board at EWA-01C	13,500.00 sf	11.00 /sf	148,500
Sheet waterproofing with drainage board at EWA-01CU	1,064.00 sf	11.00 /sf	11,704
Sheet waterproofing at existing foundation EWA-01H /A4.09	5,050.00 sf	11.00 /sf	55,550
Prep existing foundation to recieve drainage board EWA-01H /A4.09	6,050.00 sf	65.00 /sf	393,250
<b>071416 Membrane Waterproofing</b>		<b>/sf</b>	<b>663,229</b>
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<b>071616 Crystalline Waterproofing</b>			
Waterproofing for elevator pits	3.00 ls	5,662.80 /ls	16,988
<b>071616 Crystalline Waterproofing</b>		<b>/ls</b>	<b>16,988</b>
<hr/>			
<b>072100 Thermal Insulation</b>			
<i>Rigid Insulation at high walls, not required at unheated garage</i>	0.00 sf	0.00 /sf	0
Rigid insulation - at USA-01	9,237.00 sf	6.70 /sf	61,888
Rigid insulation 5" - at EWA-01C	10,110.00 sf	6.70 /sf	67,737



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>072100 Thermal Insulation</b>			
Rigid insulation 5" - at EWA-01H	5,050.00 sf	6.70 /sf	33,835
Mineral wool insulation 5" - at EWA-02C	1,779.00 sf	6.70 /sf	11,919
<b>072100 Thermal Insulation</b>	<b>408,500.00 gsf</b>	<b>0.43 /gsf</b>	<b>175,379</b>
<b>072713 Modified Bituminous Sheet Air Barrier</b>			
Bond on waterproofing	2,180.00 M	10.00 /M	21,800
Mock-up - waterproofing	1.00 ls	10,400.00 /ls	10,400
Air/vapor barrier - perimeter of curtain-wall	8,912.00 lf	9.36 /lf	83,416
Air/vapor barrier - exterior walls - behind mtl panel	14,139.00 sf	6.76 /sf	95,580
Air/vapor barrier - exterior soffits	8,840.00 sf	6.76 /sf	59,758
Air/vapor barrier - exterior walls - behind slate	5,368.00 sf	6.76 /sf	36,288
Air/vapor barrier - exterior walls - behind EWA-10S (brick)	25,848.00 sf	6.76 /sf	174,732
Air/vapor barrier - exterior walls - behind Wood - EWA-50S	945.00 sf	6.76 /sf	6,388
Air/vapor barrier - on conc slab above garage ESA-01R	39,068.00 sf	5.46 /sf	213,311
Air/vapor barrier - on conc slab above garage ESA-02R	6,363.00 sf	5.46 /sf	34,742
Air/vapor barrier - on conc slab above garage ESA-03R	1,370.00 sf	5.46 /sf	7,480
EWA11 - fluid-applied air-water barrier on inside wall of existing bldg + pinned insul	13,125.00 sf	12.00 /sf	157,500
Air/vapor barrier - exterior foundation walls - EWA-02C	1,779.00 sf	6.76 /sf	12,026
<b>072713 Modified Bituminous Sheet Air Barrier</b>		<b>/sf</b>	<b>913,422</b>
<b>079200 Joint Sealants</b>			
sealing & caulking - int	243,000.00 gsf	1.00 /gsf	243,000
sealing & caulking - exterior - perimeter CW	8,912.00 lf	9.15 /lf	81,563
sealing & caulking - exterior - masonry	30,151.00 sf	1.14 /sf	34,493
<b>079200 Joint Sealants</b>	<b>408,500.00 sf</b>	<b>0.88 /sf</b>	<b>359,055</b>
<b>079500 Expansion Control</b>			
Vehicular expansion joint cover - floor (note 61)	92.00 lf	182.00 /lf	16,744
Expansion joint cover at walls (note 62)	24.00 lf	182.00 /lf	4,368
Expansion joint cover at ceilings	92.00 lf	182.00 /lf	16,744
<b>079500 Expansion Control</b>	<b>408,500.00 gsf</b>	<b>0.09 /gsf</b>	<b>37,856</b>
<b>07.01 WATERPROOFING, DAMPPROOFING &amp; CAULKING (TS)</b>	<b>246,123.00 gsf</b>	<b>8.80 /gsf</b>	<b>2,165,930</b>

**07.02 ROOFING & FLASHING (TS)**

**073010 Roof Shingles**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>073010 Roof Shingles</b>			
Remove and replace roof shingles to allow for transition to new roof	650.00 sf	93.60 /sf	60,840
<b>073010 Roof Shingles</b>		<b>/sf</b>	<b>60,840</b>
<b>075400 Thermoplastic-Polyolefin (TPO) Roofing</b>			
Bond on Roofing	2,180.00 M	10.00 /M	21,800
Mock-up -roof	1.00 ls	11,440.00 /ls	11,440
Add for stone paver ballast	sf	/sf	
ERA-10R,11R - Membrane roof assembly on conc slab - 1 HR Rated	11,766.00 sf	28.00 /sf	329,448
ERA-20R,21R - Membrane roof assembly on metal deck - 1 HR Rated	37,434.00 sf	28.00 /sf	1,048,152
(H) ERA-22R - Membrane roof assembly on metal deck - 1 HR Rated	1,187.00 sf	42.00 /sf	49,854
Roof walkway pads	4,385.00 sf	12.00 /sf	52,620
<b>075400 Thermoplastic-Polyolefin (TPO) Roofing</b>	<b>50,387.00 sf</b>	<b>30.03 /sf</b>	<b>1,513,314</b>
<b>076200 Sheet Metal Flashing and Trim (roofing TB)</b>			
Roof edge flashing	1,930.00 lf	90.00 /lf	173,700
Add for overflow scuppers	25.00 ea	411.84 /ea	10,296
<b>076200 Sheet Metal Flashing and Trim (roofing TB)</b>	<b>408,500.00 sf</b>	<b>0.45 /sf</b>	<b>183,996</b>
<b>077100 Roof Specialties</b>			
Elevator vent	2.00 ea	2,059.20 /ea	4,118
Roof hatch not shown	1.00 ea	2,600.00 /ea	2,600
<b>077100 Roof Specialties</b>			<b>6,718</b>
<b>077273 Vegetated Roof System</b>			
Snow melt - TBD	5,560.00 sf	/sf	
ERA-40R - Waterproofing over below-grade concrete slab (New Garage) - 1 HR rated	2,784.00 sf	38.00 /sf	105,792
ERA-50 - Waterproofing over below-grade concrete slab (Exis. Garage) - patching	6,075.00 sf	8.00 /sf	48,600
ERA-31R - Plaza deck assembly on conc/steel deck - 2 HR Rated	5,560.00 sf	35.00 /sf	194,600
Temp roofing at courtyard & balcony	5,560.00 sf	10.40 /sf	57,824
<b>077273 Vegetated Roof System</b>	<b>14,086.00 sf</b>	<b>28.88 /sf</b>	<b>406,816</b>
<b>07.02 ROOFING &amp; FLASHING (TS)</b>	<b>246,123.00 gsf</b>	<b>8.82 /gsf</b>	<b>2,171,684</b>

**07.06 EXTERIOR WALL PANELS**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>074213 Formed and Composite Metal Wall Panels</b>			
Mock-up - metal panels	1.00 ls	31,200.00 /ls	31,200
EWA-40S - Formed zinc standing seam on CFMF	11,009.00 sf	120.00 /sf	1,321,080
EWA-40S.B/C - Formed zinc standing seam on CFMF	1,678.00 sf	120.00 /sf	201,360
EWA-41S - Formed zinc standing seam on structural steel - mechanical screen	6,450.00 sf	92.00 /sf	593,400
EWA-41S - mechanical screen add for insulation	6,450.00 sf	10.00 /sf	64,500
EWA-42S - Composite metal wall panel on CFMF	1,452.00 sf	104.00 /sf	151,008
<i>EWA-41S - delete zinc facing at south wing</i>	<i>(1,957.00) sf</i>	<i>/sf</i>	
Doors into mechanical screen	5.00 ea	2,000.00 /ea	10,000
EWA-41S - delete zinc facing at south wing, backer panel only to remain	(1,957.00) sf	20.00 /sf	(39,140)
ESA-40 soffit - Metal panel on CFMF	1,300.00 sf	104.00 /sf	135,200
Mineral Batt insulation at EWA-40,40S - 5"	15,282.00 sf	4.42 /sf	67,546
(H) Metal panel infill (A3.06)	220.00 sf	110.00 /sf	24,200
Aluminum C10 channel	2,778.00 lf	120.00 /lf	333,360
<b>074213 Formed and Composite Metal Wall Panels</b>		<b>/sf</b>	<b>2,893,714</b>

<b>07.06 EXTERIOR WALL PANELS</b>	<b>246,123.00 gsf</b>	<b>11.76 /gsf</b>	<b>2,893,714</b>
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**07.07 SLATE SIDING**

**073126 Slate Shingles**

Slate shingles on 8" CMU (EWA-30M)	1,187.00 sf	72.80 /sf	86,414
Slate shingles on 12" CMU (EWA-30M12)	1,463.00 sf	72.80 /sf	106,506
Slate shingles on CFMF (EWA-30S)	2,718.00 sf	72.80 /sf	197,870
Mineral Batt insulation at EWA-30M - 5"	1,187.00 sf	4.42 /sf	5,247
Mineral Batt insulation at EWA-30M12 - 5"	1,463.00 sf	4.42 /sf	6,466
Mineral Batt insulation at EWA-30S - 5"	2,718.00 sf	4.42 /sf	12,014
Staging at slate (includes openings)	8,052.00 sf	8.00 /sf	64,416
<b>073126 Slate Shingles</b>		<b>/sf</b>	<b>478,933</b>

<b>07.07 SLATE SIDING</b>	<b>246,123.00 gsf</b>	<b>1.95 /gsf</b>	<b>478,933</b>
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**07.09 SPRAY FIREPROOFING**

**078100 Applied Fireproofing**

New steel beams and columns - floors	80,240.00 sf	2.92 /sf	234,076
New steel beams and columns - roof	60,000.00 sf	3.03 /sf	181,896
Patching	10.00 dy	3,120.00 /dy	31,200
Patching fireproofing at existing garage, note 52/A1.11H	20.00 dy	3,120.00 /dy	62,400



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>078100 Applied Fireproofing</b>	<b>408,500.00 sf</b>	<b>1.25 /sf</b>	<b>509,572</b>
<b>099646 Intumescent Painting</b>			
Intumescent paint at HSS columns note 37 (30 ea x 14' x 7')	686.00 sfca	31.20 /sfca	21,403
Intumescent paint at W columns note 37 (30 ea x 14' x 7')	3,009.00 sfca	31.20 /sfca	93,881
Intumescent paint at misc beams	1,306.00 sfca	31.20 /sfca	40,747
<b>099646 Intumescent Painting</b>			<b>156,031</b>
<b>07.09 SPRAY FIREPROOFING</b>	<b>246,123.00 gsf</b>	<b>2.70 /gsf</b>	<b>665,603</b>
<b>08.01 CURTAIN-WALLS (TB)</b>			
<b>084413 Glazed Aluminum Curtain Wall</b>			
Bond on Curtain-wall	5,100.00 M	10.00 /M	51,000
Mock-up - curtainwall	1.00 ls	31,200.00 /ls	31,200
Exterior Curtain-wall EGA-10 - 10-1/2" Mullion	5,838.00 sf	159.50 /sf	931,161
Exterior Curtain-wall EGA-30 - 7-1/2" Mullion	14,917.00 sf	147.68 /sf	2,202,943
Add for triple pane glass at CW	20,755.00 sf	30.00 /sf	622,650
Premium for operable sash (139 ea)	1,794.00 sf	104.00 /sf	186,576
Add for security glazing where shown	3,033.00 sf	52.00 /sf	157,716
<i>Premium for spandrel glass incl with above</i>	<i>0.00 sf</i>	<i>/sf</i>	
<i>No cost delta difference in type 1 vs 2; 3 vs 4</i>	<i>0.00 sf</i>	<i>/sf</i>	
Exterior doors - dlb	22.00 lvs	8,000.00 /lvs	176,000
Exterior doors - sng	3.00 lvs	7,500.00 /lvs	22,500
Silicone sealant and extrusion at perimeter of CW	8,912.00 lf	15.60 /lf	139,027
Integral sunshades - 12" dp (detail EGA-10 A0.03C)	1,326.00 lf	140.00 /lf	185,640
Auto operators	5.00 pr	4,000.00 /pr	20,000
<b>084413 Glazed Aluminum Curtain Wall</b>		<b>/sf</b>	<b>4,726,413</b>
<b>085113 Aluminum Windows</b>			
Replace Window type T (5 ea)	145.00 sf	260.00 /sf	37,700
Replace Window transom type B (2 ea)	30.00 sf	260.00 /sf	7,800
Replace Window transom type C (1 ea)	15.00 sf	260.00 /sf	3,900
Replace Window transom type G (2 ea)	30.00 sf	260.00 /sf	7,800
Replace Window transom type H (1 ea)	15.00 sf	260.00 /sf	3,900
Replace Window transom type L (1 ea)	15.00 sf	260.00 /sf	3,900
Replace Window transom type M (1 ea)	15.00 sf	260.00 /sf	3,900
<b>085113 Aluminum Windows</b>		<b>/sf</b>	<b>68,900</b>
<b>088813 Fire Rated Glazing</b>			
rated doors - exterior	5.00 lvs	18,000.00 /lvs	90,000
(H) rated alum exterior - corridor C310 dbl	60.00 sf	468.00 /sf	28,080



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>088813 Fire Rated Glazing</b>			
(H) rated alum exterior - vestibule V203.2 dbl	60.00 sf	468.00 /sf	28,080
rated alum exterior - vestibule V200.2 dbl	60.00 sf	468.00 /sf	28,080
rated alum exterior - S6-1B sngl	30.00 sf	468.00 /sf	14,040
interior rated glass	174.00 sf	400.00 /sf	69,600
<b>088813 Fire Rated Glazing</b>		<b>/sf</b>	<b>257,880</b>
<b>089119 Fixed Louvers</b>			
Louvers at exterior	168.00 sf	180.00 /sf	30,240
<b>089119 Fixed Louvers</b>		<b>/gsf</b>	<b>30,240</b>
<b>08.01 CURTAIN-WALLS (TB)</b>	<b>246,123.00 gsf</b>	<b>20.65 /gsf</b>	<b>5,083,433</b>
<b>08.02 GLASS &amp; GLAZING (TS)</b>			
<b>064020 Interior Architectural Woodwork</b>			
Trim around clearstory	2,400.00 lf	35.00 /lf	84,000
<b>064020 Interior Architectural Woodwork</b>		<b>/gsf</b>	<b>84,000</b>
<b>084113 Aluminum Framed Entrances and Storefront</b>			
Interior storefront N1, N2 - type A ,b glass - 1/4"	2,395.00 sf	132.00 /sf	316,140
Interior storefront N3 - type C low iron	230.00 sf	155.00 /sf	35,650
Interior storefront N5 Security glass with inerlayer	250.00 sf	185.00 /sf	46,250
Interior storefront N7 - 1/2" glass, butt glazed	1,000.00 sf	145.60 /sf	145,600
add for silk screen at type C	230.00 sf	40.00 /sf	9,200
add for WG-3 arlchitectural film	2,120.00 sf	25.00 /sf	53,000
Interior storefront N7 - 1/2" glass, butt glazed	(500.00) sf	145.60 /sf	(72,800)
Aluminum (int) doors complete	22.00 lvs	6,760.00 /lvs	148,720
<b>084113 Aluminum Framed Entrances and Storefront</b>		<b>/sf</b>	<b>681,760</b>
<b>088000 Glazing (glazing TS)</b>			
Bond on Glass and Glazing	1,070.00 M	10.00 /M	10,700
Glazing at wood framed interior lights - various heighs	280.00 sf	80.00 /sf	22,400
applied film on glass	1.00 allw	20,800.00 /allw	20,800
Interior clearstory -	1,200.00 sf	90.00 /sf	108,000
HM frames - add for F5 - 15 ea	120.00 sf	40.00 /sf	4,800
HM frames - add for F6 - 39 ea	468.00 sf	40.00 /sf	18,720
HM frames - add for F8 - 19 ea	304.00 sf	40.00 /sf	12,160
HM frames - add for F9 - 26 ea	546.00 sf	40.00 /sf	21,840
HM frames - add for F10 - 1 ea	26.00 sf	40.00 /sf	1,040
HM frames - add for F11 - 4 ea	80.00 sf	40.00 /sf	3,200
HM frames - add for F12 - 2 ea	62.00 sf	40.00 /sf	2,480



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>088000 Glazing (glazing TS)</b>			
HM frames - add for F13 - 4 ea	48.00 sf	40.00 /sf	1,920
HM frames - add for F14 - 6 ea	240.00 sf	40.00 /sf	9,600
HM frames - add for F15 - 1 ea	16.00 sf	40.00 /sf	640
HM frames - add for F17 - 9 ea	180.00 sf	40.00 /sf	7,200
HM frames - add for F18 - 3 ea	93.00 sf	40.00 /sf	3,720
HM frames - add for F19 - 1 ea	12.00 sf	40.00 /sf	480
HM frames - add for F20 - 1 ea	12.00 sf	40.00 /sf	480
HM door - type G	4.00 lv	300.00 /lv	1,200
HM door - type FG2 2x half light	2.00 lv	400.00 /lv	800
HM door - type N egress stairs	28.00 lv	220.00 /lv	6,160
18" draft curtain at feature stairs - 2nd floor 6,7/A7.01, 2/A9.10	60.00 lf	232.00 /lf	13,920
Glass opening in guardrail 6/A7.01	3.00 ea	400.00 /ea	1,200
Glass openings at Art rooms (3,7/A8.08)	114.71 sf	120.00 /sf	13,765
Adj shelving at display windows at art rooms (3,7/A8.08)	40.00 lf	140.00 /lf	5,600
<b>088000 Glazing (glazing TS)</b>	<b>408,500.00 sf</b>	<b>0.72 /sf</b>	<b>292,825</b>
<b>088300 Mirrors</b>			
Mirror at OT/PT	20.00 lf	312.00 /lf	6,240
<b>088300 Mirrors</b>		<b>/gsf</b>	<b>6,240</b>
<b>08.02 GLASS &amp; GLAZING (TS)</b>	<b>246,123.00 gsf</b>	<b>4.33 /gsf</b>	<b>1,064,825</b>
<b>08.04 DOORS AND HARDWARE</b>			
<b>081113 Hollow Metal Doors and Frames</b>			
HM frames - F1, F2 single	169.00 ea	312.00 /ea	52,728
HM frames - F1, F2, F3 double	31.00 ea	468.00 /ea	14,508
HM frames - F4-F15 single	124.00 ea	312.00 /ea	38,688
HM frames - F14-F15 double	13.00 ea	468.00 /ea	6,084
HM frames - F16 Borrowed light - 18sf typ	198.00 sf	32.00 /sf	6,336
HM frames - add for F5 - 15 ea	120.00 sf	32.00 /sf	3,840
HM frames - add for F6 - 39 ea	468.00 sf	32.00 /sf	14,976
HM frames - add for F8 - 19 ea	304.00 sf	32.00 /sf	9,728
HM frames - add for F9 - 26 ea	546.00 sf	32.00 /sf	17,472
HM frames - add for F10 - 1 ea	26.00 sf	32.00 /sf	832
HM frames - add for F11 - 4 ea	80.00 sf	32.00 /sf	2,560
HM frames - add for F12 - 2 ea	62.00 sf	32.00 /sf	1,984
HM frames - add for F13 - 4 ea	48.00 sf	32.00 /sf	1,536
HM frames - add for F14 - 6 ea	240.00 sf	32.00 /sf	7,680
HM frames - add for F15 - 1 ea	16.00 sf	32.00 /sf	512



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>081113 Hollow Metal Doors and Frames</b>			
HM frames - add for F17 - 9 ea	180.00 sf	32.00 /sf	5,760
HM frames - add for F18 - 3 ea	93.00 sf	32.00 /sf	2,976
HM frames - add for F19 - 1 ea	12.00 sf	32.00 /sf	384
HM frames - add for F20 - 1 ea	12.00 sf	32.00 /sf	384
HM door - type F	91.00 lv	520.00 /lv	47,320
HM door - type G	4.00 lv	416.00 /lv	1,664
HM door - type FG2 2x half light	2.00 lv	572.00 /lv	1,144
HM door - type N egress stairs	28.00 lv	338.00 /lv	9,464
HM frames - F1, F2 single	(1.00) ea	3,200.00 /ea	(3,200)
<b>081113 Hollow Metal Doors and Frames</b>	<b>125.00 lvs</b>	<b>1,962.88 /lvs</b>	<b>245,360</b>
<b>081416 Flush Wood Doors</b>			
Wood doors - type F	213.00 lvs	520.00 /lvs	110,760
Wood doors - type G half light	37.00 lvs	572.00 /lvs	21,164
Wood doors - type FG1 full light - in hm frame	11.00 lvs	592.00 /lvs	6,512
Wood doors - type FG1 full light - in alum frame	11.00 lvs	592.00 /lvs	6,512
Wood doors - type N - stair egress	11.00 lvs	572.00 /lvs	6,292
<b>081416 Flush Wood Doors</b>	<b>272.00 lvs</b>	<b>556.03 /lvs</b>	<b>151,240</b>
<b>083100 Access Doors and Panels</b>			
Access doors & frames	1.00 ls	31,200.00 /ls	31,200
<b>083100 Access Doors and Panels</b>		<b>/gsf</b>	<b>31,200</b>
<b>083473 Wood Sound Control Door Assembly</b>			
Sound control door assembly - STC 50	2.00 pr	22,000.00 /pr	44,000
<b>083473 Wood Sound Control Door Assembly</b>		<b>/gsf</b>	<b>44,000</b>
<b>087010 Install Doors and Hardware</b>			
Install door & hardware - interior	408.00 lvs	690.00 /lvs	281,520
<b>087010 Install Doors and Hardware</b>	<b>397.00 lvs</b>	<b>709.12 /lvs</b>	<b>281,520</b>
<b>087111 Door Hardware</b>			
Furnish hardware	408.00 lvs	945.00 /lvs	385,560
<b>087111 Door Hardware</b>	<b>397.00 lvs</b>	<b>971.18 /lvs</b>	<b>385,560</b>
<b>08.04 DOORS AND HARDWARE</b>	<b>246,123.00 gsf</b>	<b>4.63 /gsf</b>	<b>1,138,880</b>

**08.07 OVERHEAD DOORS**

**083326 Overhead Coiling Grilles**

Fire door at garage entry - 1.5 hr

0.00 lf

0.00 /lf

0



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>083336 Security Grilles</b>			
Overhead security grille at kitchen	28.00 lf	832.00 /lf	23,296
<b>083336 Security Grilles</b>		<b>/gsf</b>	<b>23,296</b>
<hr/>			
<b>08.07 OVERHEAD DOORS</b>	<b>246,123.00 gsf</b>	<b>0.10 /gsf</b>	<b>23,296</b>
<hr/>			
<b>09.01 DRYWALL &amp; CARPENTRY</b>			
<b>015020 Trade Support</b>			
Temp stairs	5.00 fl	18,720.00 /fl	93,600
Interior staging	1.00 ls	50,000.00 /ls	50,000
Clean-up laborer - bring trash to dumpsters	52.00 wks	5,720.00 /wks	297,440
<b>015020 Trade Support</b>	<b>231,420.00 gsf</b>	<b>1.91 /gsf</b>	<b>441,040</b>
<hr/>			
<b>015060 Temporary Enclosures</b>			
Temp walls at garage - ground floor 95' x 10'	950.00 sf	31.20 /sf	29,640
Temp walls at garage - 1st floor 120' x12'	1,440.00 sf	31.20 /sf	44,928
<b>015060 Temporary Enclosures</b>	<b>231,420.00 gsf</b>	<b>0.32 /gsf</b>	<b>74,568</b>
<hr/>			
<b>054000 Cold-Formed Metal Framing</b>			
Mock-up - lgmf	1.00 ls	17,846.40 /ls	17,846
ESA-40 Exterior soffit framing with 8" mineral	1,143.00 sf	24.00 /sf	27,432
ESA-50 Exterior soffit - framing with 8" mineral	7,156.00 sf	24.00 /sf	171,744
ESA-01R Exterior soffit - framing with 8" mineral	541.00 sf	24.00 /sf	12,984
LGF and sheathing at exterior walls - masonry/siding	36,850.00 sf	26.00 /sf	958,100
Engineering	1.00 ls	52,000.00 /ls	52,000
Interior gypsum at exterior walls	36,850.00 sf	3.68 /sf	135,744
Plywood, framing and insulation behind slate walls	5,368.00 sf	24.00 /sf	128,832
<b>054000 Cold-Formed Metal Framing</b>	<b>231,420.00 sf</b>	<b>6.50 /sf</b>	<b>1,504,682</b>
<hr/>			
<b>061000 Rough Carpentry</b>			
Roof blocking - misc based on roof sf - Liquid membrane	6,235.00 sf	2.00 /sf	12,470
Roof blocking - misc based on roof sf - TPO	50,387.00 sf	2.00 /sf	100,774
Window blocking - curtain wall	8,912.00 lf	10.31 /lf	91,860
Window blocking - at replacement	13.00 op	1,000.00 /op	13,000
Additional wood blocking - building interior	231,420.00 gsf	1.50 /gsf	347,130
Wood base lgm at lockers	67.00 lf	104.00 /lf	6,968
note 14 - interior roof over small gym storage	190.00 sf	26.00 /sf	4,940
<b>061000 Rough Carpentry</b>	<b>231,420.00 sf</b>	<b>2.49 /sf</b>	<b>577,142</b>

**066400 Plastic Paneling**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>066400 Plastic Paneling</b>			
FRP - Fiberglass Reinforced Plastic Paneling at rms 137,138,139,143, 234, 260A	2,000.00 sf	18.72 /sf	37,440
FRP - Fiberglass Reinforced Plastic Paneling 7'-0" closets	1,680.00 sf	18.72 /sf	31,450
<b>066400 Plastic Paneling</b>	<b>231,420.00 sf</b>	<b>0.30 /sf</b>	<b>68,890</b>
<b>072000 Insulation</b>			
(H) spray insulation at roof 6" closed cell	11,600.00 sf	12.00 /sf	139,200
<b>072000 Insulation</b>	<b>231,420.00 gsf</b>	<b>0.60 /gsf</b>	<b>139,200</b>
<b>072433 Direct Applied Finish System (DAFS)</b>			
ESA-50 soffit - DAFS on CFMF with metal lath	7,156.00 sf	45.00 /sf	322,020
ESA-01R stucco soffit	541.00 sf	45.00 /sf	24,345
<b>072433 Direct Applied Finish System (DAFS)</b>	<b>231,420.00 sf</b>	<b>1.50 /sf</b>	<b>346,365</b>
<b>078410 Penetration Firestopping</b>			
Fire stopping at perimeter	85,290.00 gsf	1.56 /gsf	133,052
<b>078410 Penetration Firestopping</b>	<b>231,420.00 gsf</b>	<b>0.58 /gsf</b>	<b>133,052</b>
<b>079500 Expansion Control</b>			
Expansion joint complete	2.00 fl	24,000.00 /fl	48,000
<b>079500 Expansion Control</b>	<b>231,420.00 gsf</b>	<b>0.21 /gsf</b>	<b>48,000</b>
<b>092900 Gypsum Board Assemblies</b>			
Install HM Frame	468.00 op	102.96 /op	48,185
Premium for MR board at wall tile	26,782.00 sf	1.17 /sf	31,227
Gyp partition type 1A,1B,1C - stud + gyp (1+1+ insul)	48,420.00 sf	16.47 /sf	797,385
Gyp partition type 1D,1F,1H - stud + gyp (2+2+ insul)	41,730.00 sf	22.68 /sf	946,320
Gyp partition type 1E,1G - stud + gyp (2+1+ insul)	18,045.00 sf	19.62 /sf	354,036
Gyp partition type 2B - stud + gyp (1+ insul)	43,125.00 sf	11.10 /sf	478,686
Gyp partition type 3B,C - shaftwall - 2 hr	8,625.00 sf	24.08 /sf	207,666
Gyp partition type 6B,6C- stud x2 + gyp (2+2+ insul)	5,835.00 sf	32.31 /sf	188,522
(H) Gyp partition type 1A,1B,1C - stud + gyp (1+1+ insul)	4,965.00 sf	17.59 /sf	87,341
(H) Gyp partition type 1E,1G - stud + gyp (2+1+ insul)	5,370.00 sf	21.72 /sf	116,632
(H) Gyp partition type 2B - stud + gyp (1+ insul)	22,095.00 sf	12.22 /sf	270,005
(H) Gyp partition type 3B,C - shaftwall - 2 hr	870.00 sf	25.20 /sf	21,919
(H) EWA11 - 1 layer at bldg exterior	13,125.00 sf	9.44 /sf	123,871
Drywall reduction at nurses office	(1.00) ls	4,000.00 /ls	(4,000)
Gypsum board ceilings - new school	20,571.00 sf	14.28 /sf	293,737
Gypsum board ceilings - 2-HR new school	162.00 sf	17.25 /sf	2,795
(H) Gyp ceiling below 1st floor	11,600.00 sf	11.00 /sf	127,600



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>092900 Gypsum Board Assemblies</b>			
(H) Gyp ceiling below 2nd floor - 2 layer + insulation	11,600.00 sf	16.00 /sf	185,600
(H) Gyp ceiling below attic - 1 layer	11,600.00 sf	11.00 /sf	127,600
(H) Gyp ceiling premium for 2 hr at mech room	1,000.00 sf	6.00 /sf	6,000
Sloped ceilings at underside of stairs	1,920.00 sf	16.66 /sf	31,981
Allowance for soffits	231,420.00 sf	0.75 /sf	173,565
Level 5 at wall coverings	2,553.00 sf	4.00 /sf	10,212
<b>092900 Gypsum Board Assemblies</b>	<b>231,420.00 sf</b>	<b>19.99 /sf</b>	<b>4,626,885</b>

**09.01 DRYWALL & CARPENTRY 246,123.00 gsf 32.34 /gsf 7,959,824**

**09.02 TILE (TS)**

**093013 Ceramic Tiling**

Bond on tile	800.00 M	10.00 /M	8,000
TW-1 - CORRIDOR FIELD, LG SCALE	5,690.00 sf	32.24 /sf	183,446
TW-2 - CORRIDOR FIELD, SQUARE	1,243.00 sf	28.08 /sf	34,903
TW-2A - CORRIDOR ACCENT, 8X8, 8X16	1,620.00 sf	30.00 /sf	48,600
TW-3 - CLASSROOM CORRIDOR ACCENT	1,476.00 sf	28.08 /sf	41,446
TW-4 - CLASSROOM CORRIDOR ACCENT	1,975.00 sf	28.08 /sf	55,458
TW-5 at bathrooms	13,127.00 sf	28.08 /sf	368,606
WT-6 at project spaces (material allowance \$6/sf)	185.00 sf	28.08 /sf	5,195
WT-7 at cafeteria/dining (material allowance \$8/sf)	636.00 sf	30.00 /sf	19,080
WT-8 Dining/Servery (material allowance \$6/sf)	830.00 sf	28.08 /sf	23,306
Floor protection (Not used)	0.00 sf	/sf	
Redcue TW-1 material allowance from \$10 to \$6	(5,690.00) sf	4.00 /sf	(22,760)
WT-7 at cafeteria/dining (material allowance \$8/sf)	(240.00) sf	30.00 /sf	(7,200)
TW-5 at bathrooms	(130.00) sf	28.08 /sf	(3,650)
<b>093013 Ceramic Tiling</b>		<b>/sf</b>	<b>754,430</b>

**09.02 TILE (TS) 246,123.00 gsf 3.07 /gsf 754,430**

**09.03 ACOUSTICAL TILE (TS)**

**095113 Acoustical Panel Ceilings**

Bond on acoustical tile	1,190.00 M	10.00 /M	11,900
ACT-1 Armstrong Ultima 2x2	26,389.00 sf	7.50 /sf	197,918
ACT-2 Armstrong Ultima 2x4	73,910.00 sf	7.00 /sf	517,370
ACT-3 -Ultima Healthzone	2,100.00 sf	7.60 /sf	15,960
ACT-4 - Armstrong Metalworks linear synchro 13" plank	4,525.00 sf	60.00 /sf	271,500
ACT-5 - Optima 1.5" high NRC	1,715.00 sf	9.00 /sf	15,435
combo ACT-6 (20%) - RPG Omniffusur FRG / ACT-5 (80%)	1,452.00 sf	15.00 /sf	21,780



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>095113 Acoustical Panel Ceilings</b>			
WDC-1 - Armstrong woodworks channeled Plank	2,350.00 sf	56.00 /sf	131,600
<b>095113 Acoustical Panel Ceilings</b>	<b>77,251.00 sf</b>	<b>15.32 /sf</b>	<b>1,183,463</b>
<hr/>			
<b>09.03 ACOUSTICAL TILE (TS)</b>	<b>246,123.00 gsf</b>	<b>4.81 /gsf</b>	<b>1,183,463</b>
<b>09.05 RESILIENT FLOORING (TS)</b>			
<b>090561 Moisture Vapor Emission Control</b>			
Moisture mitigation at resilient flooring	86,793.00 sf	/sf	
Moisture mitigation at carpet and entrance mats	12,517.00 sf	/sf	
Moisture mitigation allowance	1.00 ls	75,000.00 /ls	75,000
<b>090561 Moisture Vapor Emission Control</b>		<b>/sf</b>	<b>75,000</b>
<b>096513 Resilient Base and Accessories</b>			
RST-1 Rubber treads and risers	2,120.00 lf	38.07 /lf	80,713
BR-1 - rubber base 6"	8,086.00 lf	3.80 /lf	30,727
BR-2 - rubber base 4"	12,559.00 lf	3.00 /lf	37,677
BR-3 - Specialty rubber base 6"	170.00 lf	5.00 /lf	850
<b>096513 Resilient Base and Accessories</b>		<b>/gsf</b>	<b>149,967</b>
<b>096519 Resilient Tile Flooring</b>			
RF-5 Tarkett rubber at elevator	100.00 sf	6.24 /sf	624
RF-6 - Rubbertile at Fab/tech lab	2,689.00 sf	12.27 /sf	32,999
RST-1 - rubber tile at stair landings	1,100.00 sf	14.00 /sf	15,400
Premium for high moisture adhesive - RF5	2,789.00 sf	/sf	
<b>096519 Resilient Tile Flooring</b>	<b>2,789.00 sf</b>	<b>17.58 /sf</b>	<b>49,023</b>
<b>096543 Linoleum Flooring</b>			
RF-1, RF-2 - Forbo = Marmoleum MCT 2mm	83,593.00 sf	6.40 /sf	534,995
RF-3 - Forbo = Marmoleum Modular 2.5mm	3,200.00 sf	8.50 /sf	27,200
Bond on sub	1,040.00 M	10.00 /M	10,400
RF - Linoleum tile/sheet premium for water jet cutting	0.00 ls	/ls	
Premium for high moisture adhesive	86,793.00 sf	/sf	
Floor prep,	86,793.00 sf	1.25 /sf	108,491
<b>096543 Linoleum Flooring</b>	<b>86,974.00 sf</b>	<b>7.83 /sf</b>	<b>681,086</b>
<b>096566 Resilient Athletic Flooring</b>			
RF-4 Mondo - Sport Impact	3,855.00 sf	14.50 /sf	55,898
RF-7 Robbins Sports surface Pulastic Classic 90 Seamless	900.00 sf	17.00 /sf	15,300
Premium for high moisture adhesive - RF4	4,755.00 sf	/sf	
Floor prep	4,755.00 sf	1.25 /sf	5,934
<b>096566 Resilient Athletic Flooring</b>	<b>4,752.00 sf</b>	<b>16.23 /sf</b>	<b>77,132</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>09.05 RESILIENT FLOORING (TS)</b>	<b>246,123.00 gsf</b>	<b>4.19 /gsf</b>	<b>1,032,209</b>
<b>09.06 TERRAZZO (TS)</b>			
<b>096623 Resinous Matrix Terrazzo Flooring</b>			
TRZ1, TRZ2, TRZ3 Terrazzo thinset, 3/8" wth 3000 grit finish	14,529.00 sf	44.00 /sf	639,276
BTZ-1 - Terrazzo base - 6"	2,279.00 lf	28.00 /lf	63,812
BTZ-2 - Terrazzo base - 16"	181.00 lf	75.00 /lf	13,575
Terrazzo treads	500.00 lf	155.00 /lf	77,500
Terrazzo landings	430.00 sf	65.00 /sf	27,950
Floor protection	14,529.00 sf	2.00 /sf	29,058
Bond on Subs	870.00 M	10.00 /M	8,700
<b>096623 Resinous Matrix Terrazzo Flooring</b>		<b>/sf</b>	<b>859,871</b>
<b>09.06 TERRAZZO (TS)</b>	<b>246,123.00 gsf</b>	<b>3.49 /gsf</b>	<b>859,871</b>
<b>09.07 PAINTING (TS)</b>			
<b>099000 Painting and Coating</b>			
Paint HM frame - interior	460.00 ea	150.80 /ea	69,368
Paint HM doors - interior	125.00 lvs	104.00 /lvs	13,000
(H) Sand & finish wood trim	0.00 ls	0.00 /ls	0
Paint Stairs	19.00 fl	2,288.00 /fl	43,472
Line marking - ground level	135.00 ea	41.60 /ea	5,616
Line marking - level 1	38.00 ea	41.60 /ea	1,581
Line marking - add for ADA	3.00 ea	78.00 /ea	234
Line marking - misc	1.00 ls	4,160.00 /ls	4,160
Seal slab	83,238.00 sf	1.70 /sf	141,505
Stencil on walls	1.00 ls	22,880.00 /ls	22,880
Paint garage walls - NIC	0.00 sf	0.00 /sf	0
Stencil on walls	1.00 ls	22,880.00 /ls	22,880
Paint drywall partitions	199,080.00 sf	1.00 /sf	199,080
Bond Painting	900.00 M	10.00 /M	9,000
Paint CMU - interior	12,662.00 sf	1.26 /sf	15,934
(H) Sand and refinish all wood trim to remain	1.00 ls	75,000.00 /ls	75,000
Paint soffit in garage ceiling	3,605.00 sf	1.56 /sf	5,624
WG-1 wall graphics - allow \$8/sf	1,017.00 sf	14.00 /sf	14,238
WG-2 wall graphics - allow \$12/sf	519.00 sf	17.00 /sf	8,823
WC-1 wall covering - allow \$45/yd - Height not indicated on drawings	1,017.00 sf	12.00 /sf	12,204
Paint soffit in garage ceiling	7,697.00 sf	1.56 /sf	12,007
Paint drywall ceilings	20,733.00 sf	1.26 /sf	26,090
Reduce wall covering	(2,100.00) sf	12.00 /sf	(25,200)



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>099000 Painting and Coating</b>			
Paint exposed ceilings	32,902.00 sf	2.34 /sf	76,991
Paint exposed lintel/relieving angle exterior	1,530.00 lf	62.40 /lf	95,472
Conc-2 - sealed concrete	9,366.00 sf	2.52 /sf	23,572
Conc-3 - painted concrete	1,569.00 sf	2.52 /sf	3,949
<b>099000 Painting and Coating</b>	<b>408,500.00 sf</b>	<b>2.15 /sf</b>	<b>877,480</b>
<hr/>			
<b>09.07 PAINTING (TS)</b>	<b>246,123.00 gsf</b>	<b>3.57 /gsf</b>	<b>877,480</b>
<hr/>			
<b>09.60 POLISHED CONCRETE</b>			
<b>033543 Polished Concrete Finishing</b>			
Conc-1	2,610.00 sf	16.25 /sf	42,413
Floor protection	2,610.00 sf	1.14 /sf	2,986
<b>033543 Polished Concrete Finishing</b>		<b>/sf</b>	<b>45,398</b>
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<b>09.60 POLISHED CONCRETE</b>	<b>246,123.00 gsf</b>	<b>0.18 /gsf</b>	<b>45,398</b>
<hr/>			
<b>09.64 WOOD FLOORING</b>			
<b>096400 Wood Flooring</b>			
WDF-2 Stage laminaged wood, black finish	1,540.00 sf	24.96 /sf	38,438
Floor protection	1,540.00 sf	3.20 /sf	4,933
<b>096400 Wood Flooring</b>		<b>/sf</b>	<b>43,371</b>
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<b>096466 Wood Athletic Flooring</b>			
BW-2 wood base 6"h painted	165.00 lf	14.56 /lf	2,402
WDF-3 Wood sports floor with custom lines	6,600.00 sf	26.52 /sf	175,032
Floor protection	6,600.00 sf	3.20 /sf	21,141
<b>096466 Wood Athletic Flooring</b>		<b>/sf</b>	<b>198,576</b>
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<b>09.64 WOOD FLOORING</b>	<b>246,123.00 gsf</b>	<b>0.98 /gsf</b>	<b>241,947</b>
<hr/>			
<b>09.65 EPOXY FLOORING</b>			
<b>096723 Resinous Flooring</b>			
EPF-1 at kitchen - Epoxy floor Stonshield URT	2,080.00 sf	21.00 /sf	43,680
EPF-2 at bathrooms - Epoxy floor Stonshield URT	4,896.00 sf	21.00 /sf	102,816
Moisture mitigation at Epoxy flooring	6,976.00 sf	4.16 /sf	29,020
Floor protection	6,976.00 sf	1.72 /sf	11,971
<b>096723 Resinous Flooring</b>		<b>/sf</b>	<b>187,487</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>09.65 EPOXY FLOORING</b>	<b>246,123.00 gsf</b>	<b>0.76 /gsf</b>	<b>187,487</b>
<b>09.68 CARPET &amp; MATS</b>			
<b>096813 Tile Carpeting</b>			
CPT1 carpet tile (material allowance of 38/sy = \$4.22/sf	6,970.00 sf	6.22 /sf	43,353
CPT2 carpet (material allowance of 40/sy - \$4.44/sf)	2,503.00 sf	6.66 /sf	16,670
CPT3 carpet tile (material allowance of 46/sy = \$5.11/sf	1,441.00 sf	7.11 /sf	10,246
CPT4 - area rug, material allow 4.44/sf - 100 sp per room noted	685.00 sf	7.11 /sf	4,870
Floor protection	10,914.00 sf	1.40 /sf	15,280
CPT4 - area rug, material allow 4.44/sf - 100 sp per room noted	(685.00) sf	7.11 /sf	(4,870)
<b>096813 Tile Carpeting</b>		<b>/sf</b>	<b>85,548</b>
<b>124810 Entrance Floor Mats and Frames</b>			
EM-1 - Mats Inc Tire Tile	1,243.00 sf	60.84 /sf	75,624
<b>124810 Entrance Floor Mats and Frames</b>		<b>/sf</b>	<b>75,624</b>
<b>09.68 CARPET &amp; MATS</b>	<b>246,123.00 gsf</b>	<b>0.66 /gsf</b>	<b>161,173</b>
<b>09.80 ACOUSTICAL PANELS</b>			
<b>098433 Sound-Absorbing Wall Units</b>			
AB-1 Acoustical baffle Turf block on ceilings	514.00 sf	70.00 /sf	35,980
Acoustical wall panel at gym - 4'h	414.00 sf	28.00 /sf	11,592
AWP-1 - CONWED WRAPPED FABRIC PANELS	2,452.00 sf	42.00 /sf	102,984
AWP-2 - Acoustic wall panel - wood	1,091.00 sf	85.00 /sf	92,735
AWP-3 - PET	485.00 sf	75.00 /sf	36,375
AWP-4 - Diffusive panel	194.00 sf	100.00 /sf	19,400
AWP-5 - Cork	48.00 sf	65.00 /sf	3,120
<b>098433 Sound-Absorbing Wall Units</b>		<b>/sf</b>	<b>302,186</b>
<b>098436 Sound-Absorbing Ceiling Units</b>			
ACP-1 MBI Blackout theater board - 4x8 panel	3,632.00 sf	20.00 /sf	72,640
ACP-2 - RPG Waveform monoradial w/ panel	1,052.00 sf	90.00 /sf	94,680
<b>098436 Sound-Absorbing Ceiling Units</b>		<b>/sf</b>	<b>167,320</b>
<b>09.80 ACOUSTICAL PANELS</b>	<b>246,123.00 gsf</b>	<b>1.91 /gsf</b>	<b>469,506</b>

**10.02 SIGNAGE**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>101419 Dimensional Letter Signage</b>			
Room sign - type 1	145.00 ea	100.00 /ea	14,500
Changeable room sign - type 2	92.00 ea	105.00 /ea	9,660
Room sign - type 3	4.00 ea	100.00 /ea	400
Elevator room sign - type 4	10.00 ea	155.00 /ea	1,550
Elevator room sign - type 5	3.00 ea	155.00 /ea	465
Stair sign - type 6	18.00 ea	155.00 /ea	2,790
Stair sign - type 7	24.00 ea	155.00 /ea	3,720
Stair sign - type 9	10.00 ea	155.00 /ea	1,550
Evacuation plan map holder - type 10	144.00 ea	160.00 /ea	23,040
Accessible restroom sign - type 11	16.00 ea	110.00 /ea	1,760
Accessible girls restroom sign - type 12	6.00 ea	110.00 /ea	660
Accessible boys restroom sign - type 13	6.00 ea	110.00 /ea	660
Staff restroom sign - type 14	2.00 ea	110.00 /ea	220
"John Pierce School" - dimensional letter signage - front	1.00 ls	15,000.00 /ls	15,000
"John Pierce School" - dimensional letter signage - side	1.00 ls	15,000.00 /ls	15,000
"John Pierce School" - dimensional letter signage - rear	1.00 ls	15,000.00 /ls	15,000
Misc. site signage	1.00 ls	20,000.00 /ls	20,000
Pierce school interior wall graphic/logo 9/A8.21	1.00 ls	10,000.00 /ls	10,000
"Dr Pipier Smith-Mumford Auditorium" - interior dimensional letter signage	1.00 ls	10,000.00 /ls	10,000
27 dimensional letters - C206/207 corridor	27.00 ea	750.00 /ea	20,250
Vinyl graphics	1.00 ls	40,000.00 /ls	40,000
<b>101419 Dimensional Letter Signage</b>			<b>206,225</b>

<b>10.02 SIGNAGE</b>	<b>246,123.00 gsf</b>	<b>0.84 /gsf</b>	<b>206,225</b>
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**10.03 SPECIALTIES**

**101100 Visual Display Surfaces**

*Smartboard - 4' high by Owner per email*

	<i>lf</i>	<i>/lf</i>	
Glass Markerboard - 4' high - MB-1	4,326.00 sf	48.00 /sf	207,648
Glass Markerboard - MB-2	145.00 sf	48.00 /sf	6,960
Tackboard - TB-1	11,467.00 sf	25.00 /sf	286,675

<b>101100 Visual Display Surfaces</b>	<b>408,500.00 sf</b>	<b>1.23 /sf</b>	<b>501,283</b>
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**102110 Toilet Compartments**

Toilet partitions - handicap	16.00 ea	2,080.00 /ea	33,280
Toilet partitions - regular	44.00 ea	1,716.00 /ea	75,504

<b>102110 Toilet Compartments</b>		<b>/ea</b>	<b>108,784</b>
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**102300 Privacy Curtains**



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>102300 Privacy Curtains</b>			
Privacy Curtains and Tracks at nurse office (note 73)	26.00 lf	104.00 /lf	2,704
<b>102300 Privacy Curtains</b>			<b>2,704</b>
<b>102610 Corner Guards</b>			
Corner guards - stainless steel	7.00 ea	350.00 /ea	2,450
<b>102610 Corner Guards</b>	<b>408,500.00 gsf</b>	<b>0.01 /gsf</b>	<b>2,450</b>
<b>102800 Toilet Accessories</b>			
Install only - TA-1 - toilet paper dispensers	72.00 ea	102.96 /ea	7,413
Install only - TA-2 - sanitary napkin disposals	43.00 ea	102.96 /ea	4,427
Surface mounted sanitary napkin vendors	11.00 ea	102.96 /ea	1,133
<i>By owner - TA-7 - beveled mirror</i>	ea	/ea	
Install only - TA-4 - paper towel dispensers	35.00 ea	85.80 /ea	3,003
F&I - TA-8 -grab bars	80.00 ea	106.59 /ea	8,527
F&I - Shower seat	3.00 ea	436.59 /ea	1,310
F&I - Shower curtain & rod	3.00 ea	436.59 /ea	1,310
Install only - TA-6 - soap dispensers	48.00 ea	85.80 /ea	4,118
<i>By owner - TA-3 - coat hanger</i>	ea	/ea	
Install only - TA-12 - baby changing	4.00 ea	300.00 /ea	1,200
Waste recepticals	35.00 ea	240.24 /ea	8,408
<b>102800 Toilet Accessories</b>	<b>408,500.00 gsf</b>	<b>0.10 /gsf</b>	<b>40,850</b>
<b>104400 Fire Protection Cabinets</b>			
Multi-purpose dry chemical extinguishers & cabinet	23.00 ea	514.80 /ea	11,840
<b>104400 Fire Protection Cabinets</b>	<b>408,500.00 ea</b>	<b>0.03 /ea</b>	<b>11,840</b>
<b>105123 Metal Lockers</b>			
Metal lockers - single tier	19.00 ea	750.00 /ea	14,250
Metal lockers - double tier	145.00 ea	820.00 /ea	118,900
Kitchen staff	3.00 ea	820.00 /ea	2,460
<b>105123 Metal Lockers</b>		<b>/ea</b>	<b>135,610</b>
<b>114500 Residential Appliances</b>			
Refrigerator	5.00 ea	2,600.00 /ea	13,000
Dishwasher	2.00 ea	1,560.00 /ea	3,120
Unload and put in place	10.00 ea	572.00 /ea	5,720
Undercounter refrigerator	1.00 ea	2,600.00 /ea	2,600
Freezer	1.00 ea	1,560.00 /ea	1,560
Dishwasher	1.00 ea	1,560.00 /ea	1,560
<b>114500 Residential Appliances</b>		<b>/gsf</b>	<b>27,560</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>115210 Projection Screens</b> <i>Incl with A/V allowance?</i>	0.00 ls	/ls	
<b>115520 PT/OT Equipment</b> note 74 - suspended swing	1.00 ea	4,160.00 /ea	4,160
<b>115520 PT/OT Equipment</b>		<b>/gsf</b>	<b>4,160</b>
<b>115525 Art Room Equipment</b> note 75 - drying rack	2.00 ea	1,040.00 /ea	2,080
note 76 - printing press	1.00 ea	10,400.00 /ea	10,400
note 77 - kiln	1.00 ea	6,240.00 /ea	6,240
<b>115525 Art Room Equipment</b>		<b>/gsf</b>	<b>18,720</b>
<b>116623 Gymnasium Equipment</b> Safety padding at De-Escalation room	1.00 ls	4,160.00 /ls	4,160
<b>116623 Gymnasium Equipment</b>		<b>/gsf</b>	<b>4,160</b>
<b>10.03 SPECIALTIES</b>	<b>246,123.00 gsf</b>	<b>3.49 /gsf</b>	<b>858,121</b>
<b>11.02 FOOD SERVICE EQUIPMENT</b>			
<b>114000 Food Service Equipment</b> 2 Mop Rack/Shelf	1.00 ea	425.00 /ea	425
3 Detergent storage cabinet	1.00 ea	6,200.00 /ea	6,200
6 Storage Shelving Five-Tier	5.00 ea	300.00 /ea	1,500
7 Dunnage Rack	4.00 ea	300.00 /ea	1,200
8, 9 Walk-in Cooler and freezer	1.00 ea	76,500.00 /ea	76,500
11 Mobile Shelving Unit Four-Tier	14.00 ea	425.00 /ea	5,950
12 Dunnage Rack Mobile	6.00 ea	300.00 /ea	1,800
15 Hand Sink	4.00 ea	1,400.00 /ea	5,600
17 Pan Rack Mobile	3.00 ea	900.00 /ea	2,700
18 Manual Can Opener	1.00 ea	850.00 /ea	850
20 Prep table with sinks & overshelf	1.00 ea	6,800.00 /ea	6,800
21 Mobile Work Table	2.00 ea	1,400.00 /ea	2,800
22 Cooks Work Table	1.00 ea	9,900.00 /ea	9,900
25, 26 Exhaust Ventilator	1.00 ls	40,600.00 /ls	40,600
27 Utlity distribution system	1.00 ls	35,000.00 /ls	35,000
28 Double Convection Oven	1.00 ea	33,900.00 /ea	33,900
29 Double Convection Oven	1.00 ea	33,900.00 /ea	33,900
30 Double Combination Oven	1.00 ea	49,800.00 /ea	49,800
30a water filter assembly	1.00 ea	1,200.00 /ea	1,200



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>114000 Food Service Equipment</b>			
31 Griddle with Mobile Stand	1.00 ea	6,800.00 /ea	6,800
32 Forty-Gallon Tilting braising pan	1.00 ea	22,300.00 /ea	22,300
33 Four-Burner Range	1.00 ea	6,500.00 /ea	6,500
34 Floor Pan & Grate	1.00 ea	3,200.00 /ea	3,200
35 Ventilator demand system	1.00 ea	8,200.00 /ea	8,200
36 Fire suppression system	1.00 ls	15,200.00 /ls	15,200
39 Utensil Rack, wall mount	1.00 ea	1,100.00 /ea	1,100
40 Food Processor	1.00 ea	1,895.00 /ea	1,895
41 Cook's Table with Sink & Overhead Rack/Shelf	1.00 ea	9,500.00 /ea	9,500
42 Wall Shelf	1.00 ea	950.00 /ea	950
44 Three-Compartment Sink	1.00 ea	14,200.00 /ea	14,200
45 Wall Shelf	1.00 ea	900.00 /ea	900
46 Utility Cart	2.00 ea	900.00 /ea	1,800
47 Mobile Shelving Unit Four-Tier	5.00 ea	400.00 /ea	2,000
50 Clean Ware Table	1.00 ea	6,200.00 /ea	6,200
51 Water Filter Assembly	1.00 ea	950.00 /ea	950
52 Dishmachine Rack Conveyor Ventless	1.00 ea	38,600.00 /ea	38,600
53 disposer control panel	1.00 ea	2,000.00 /ea	2,000
54 disposer	1.00 ea	9,800.00 /ea	9,800
55 Hose Reel Assembly	1.00 ea	1,850.00 /ea	1,850
56 Soiled ware table	1.00 ea	12,600.00 /ea	12,600
57 Shutter	1.00 ea	4,500.00 /ea	4,500
60 Mobile Hot Food Holding Cabinet Pass-thru	1.00 ea	6,200.00 /ea	6,200
61 Drop Cord with Inline GFCI	2.00 ea	900.00 /ea	1,800
62 Mobile Work Table	1.00 ea	1,400.00 /ea	1,400
63 Refrigerator Pass-Thru	2.00 ea	12,800.00 /ea	25,600
64 Mobile work table	2.00 ea	1,200.00 /ea	2,400
65 Mobile hot food holding cabinet	1.00 ea	6,200.00 /ea	6,200
68 Mobile Display Serving Counter	2.00 ea	8,000.00 /ea	16,000
69 Mobile Hot Food Serving Counter	2.00 ea	13,300.00 /ea	26,600
69a Convertible Glass Food Protector	2.00 ea	9,000.00 /ea	18,000
70 Hood food wells	8.00 ea	800.00 /ea	6,400
71 Mobile Cold Food Serving Counter	2.00 ea	13,300.00 /ea	26,600
71a Convertible Glass Food Protector	2.00 ea	14,200.00 /ea	28,400
72 Drop-in Cold Pan (Three-Pan Unit)	2.00 ea	3,300.00 /ea	6,600
73 Refrigerated Self-Serve Grab & Go	2.00 ea	11,300.00 /ea	22,600
74 Milk Cooler	1.00 ea	3,200.00 /ea	3,200
75 Mobile Cashier Stand	2.00 ea	13,300.00 /ea	26,600
77 Mobile salad bar counter with self serve glass food protector	1.00 ea	18,900.00 /ea	18,900



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>114000 Food Service Equipment</b>			
77a glass food protector	1.00 ls	9,800.00 /ls	9,800
78 Cold pan	1.00 ea	3,800.00 /ea	3,800
Deliver & Installation	1.00 ls	45,500.00 /ls	45,500
<b>114000 Food Service Equipment</b>	<b>408,500.00 gsf</b>	<b>1.94 /gsf</b>	<b>790,270</b>
<hr/>			
<b>11.02 FOOD SERVICE EQUIPMENT</b>	<b>246,123.00 gsf</b>	<b>3.21 /gsf</b>	<b>790,270</b>
<hr/>			
<b>11.04 STAGE CURTAIN &amp; RIGGING</b>			
<b>116100 Theatrical Equipment</b>			
Theater rigging - per Port 12/7/23 budget	1.00 ls	96,843.00 /ls	96,843
Curtains	1.00 ls	37,375.00 /ls	37,375
Labor (\$110,701 less \$35,000 for electrical)	1.00 ls	75,701.00 /ls	75,701
Lifts	1.00 ls	12,000.00 /ls	12,000
<b>116100 Theatrical Equipment</b>			<b>221,919</b>
<hr/>			
<b>11.04 STAGE CURTAIN &amp; RIGGING</b>	<b>246,123.00 gsf</b>	<b>0.90 /gsf</b>	<b>221,919</b>
<hr/>			
<b>11.05 GYMNASIUM EQUIPMENT &amp; STANDS</b>			
<b>116623 Gymnasium Equipment</b>			
score board with display below	1.00 ls	34,320.00 /ls	34,320
ropes and rings - 6 sets	1.00 ls	10,400.00 /ls	10,400
basketball backstop - wall mtd side folding	2.00 ea	8,580.00 /ea	17,160
basketball backstop - ceiling-hung - retractable glass	4.00 ea	8,580.00 /ea	34,320
volleyball Equipment (floor sleeves)	2.00 ea	1,508.00 /ea	3,016
Wall padding - gymnasium	2,042.00 sf	19.76 /sf	40,350
Shot clock	1.00 ls	10,000.00 /ls	10,000
<b>116623 Gymnasium Equipment</b>		<b>/gsf</b>	<b>149,566</b>
<hr/>			
<b>116653 Gymnasium Divider Curtain</b>			
gym divider curtain (gym) - electric roll up 68' x 23'h	1,564.00 sf	11.44 /sf	17,892
<b>116653 Gymnasium Divider Curtain</b>		<b>/gsf</b>	<b>17,892</b>
<hr/>			
<b>126600 Telescoping Stands</b>			
retractable Bleachers at gym	168.00 sea	234.00 /seat	39,312
	t		
retractable Bleachers at multi purpose room w/ padded seats	231.00 sea	364.00 /seat	84,084
	t		
<b>126600 Telescoping Stands</b>	<b>408,500.00 gsf</b>	<b>0.30 /gsf</b>	<b>123,396</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>11.05 GYMNASIUM EQUIPMENT &amp; STANDS</b>	<b>246,123.00 gsf</b>	<b>1.18 /gsf</b>	<b>290,854</b>
<b>11.06 PARKING EQUIPMENT</b>			
<b>110000 Parking Equipment</b>			
Parking eqp	1.00 ls	100,000.00 /ls	100,000
<b>110000 Parking Equipment</b>			<b>100,000</b>
<b>11.06 PARKING EQUIPMENT</b>	<b>246,123.00 gsf</b>	<b>0.41 /gsf</b>	<b>100,000</b>
<b>11.07 WINDOW WASHING EQUIPMENT</b>			
<b>110140 Tieback and Lifeline Anchors</b>			
Tie off davits, no cable, bolted to structural steel with isolation pad	40.00 ea	3,500.00 /ea	140,000
<b>110140 Tieback and Lifeline Anchors</b>		<b>/gsf</b>	<b>140,000</b>
<b>11.07 WINDOW WASHING EQUIPMENT</b>	<b>246,123.00 gsf</b>	<b>0.57 /gsf</b>	<b>140,000</b>
<b>12.02 WINDOW TREATMENT</b>			
<b>122200 Curtain and Drapes</b>			
WT-5 custom fabric, motorized - 002 Multipurpose	871.00 sf	45.00 /sf	39,195
<b>122200 Curtain and Drapes</b>			<b>39,195</b>
<b>122413 Roller Window Shades</b>			
WT-1 snl roller shade, moterized	1,888.00 sf	8.50 /sf	16,048
WT-2 dbl roll shade motorized - multipurpose	704.00 sf	16.00 /sf	11,264
WT-3 snl roll manual	15,576.00 sf	8.00 /sf	124,608
WT-4 snl roll blackout manual	3,163.00 sf	14.00 /sf	44,282
add for motors (no wider than 10')	44.00 ea	1,123.20 /ea	49,421
<b>122413 Roller Window Shades</b>			<b>245,623</b>
<b>12.02 WINDOW TREATMENT</b>	<b>246,123.00 gsf</b>	<b>1.16 /gsf</b>	<b>284,818</b>
<b>12.30 MANUFACTURED CASEWORK</b>			
<b>123216 Manufactured Plastic-Laminate-Clad Caseworks</b>			
11/A9.11 - Wall cabinets	671.00 lf	325.00 /lf	218,075
2/A9.11 - ADA undermount sink w/base cabinet	104.00 lf	350.00 /lf	36,400
9/A9.11 - Drop-in ADA Sink W/Apron	15.00 lf	550.00 /lf	8,250
8/A9.11 - Base cabinet w/doors @ Science & Art	102.00 lf	325.00 /lf	33,150



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>123216 Manufactured Plastic-Laminate-Clad Caseworks</b>			
7/A9.11 - Base Cabinet w/Door @ Science Side Walls	59.00 lf	350.00 /lf	20,650
5/A9.11 - Drop-IN ADA Sink W/Apron @ Science Walls	15.00 lf	420.00 /lf	6,300
4/A9.11 - pLam - base cabinet	6.00 lf	495.00 /lf	2,970
3/A9.11- base cabinets	598.00 lf	451.00 /lf	269,698
Wardrobe w/adj. shelving	188.00 lf	509.65 /lf	95,814
Wardrobe - 36" per note 3	57.00 lf	509.65 /lf	29,050
Single sided wood bookshelves to 7'	80.00 lf	875.16 /lf	70,013
Instrument shelving - 3/A9.12	63.00 lf	926.64 /lf	58,378
Wegner instrument storage	18.00 lf	1,029.60 /lf	18,533
note 16 - OT/PT special storage (3 locations)	30.00 lf	823.68 /lf	24,710
Instrument shelving above lockers - 2/A9.12	194.00 lf	550.00 /lf	106,700
Instrument open shelving - 13/A9.11 - music	123.00 lf	550.00 /lf	67,650
Cubbies - typical - 4/A9.12	12.00 lf	550.00 /lf	6,600
Cubbies - typical - 1/A9.12	642.00 lf	550.00 /lf	353,100
Epoxy resin drying rack - pegboard - Science	6.00 lf	550.01 /lf	3,300
Solid surface countertop	1,007.00 lf	250.00 /lf	251,750
Solid surface counter - ADA undermount sink w/apron 1/A9.11	176.00 lf	412.50 /lf	72,600
pLam countertop	226.00 lf	198.00 /lf	44,748
pLam filler panels	100.00 sf	38.50 /sf	3,850
pLam work counter - 15/A9.11	90.00 lf	440.00 /lf	39,600
Casework at nurse office	(1.00) ls	6,000.02 /ls	(6,000)
Wardrobes added at nurse office	3.00 ea	1,799.99 /ea	5,400
Wegner instrument storage	(18.00) lf	1,029.60 /lf	(18,533)
<b>123216 Manufactured Plastic-Laminate-Clad Caseworks</b>			<b>1,822,757</b>

<b>12.30 MANUFACTURED CASEWORK</b>	<b>246,123.00 gsf</b>	<b>7.41 /gsf</b>	<b>1,822,757</b>
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**14.01 ELEVATOR (TS)**

**142123 MRL Electric Traction Passenger Elevators**

H MRL #4 - cab and machine 3500#, sngl door	1.00 ls	85,800.00 /ls	85,800
H MRL #4 - add for 2nd door	1.00 ls	31,200.00 /ls	31,200
H MRL - stops	4.00 sto	38,000.00 /stop	152,000
	p		
Elevator #1 - MRL - cab and machine - 3500#, 200fpm, 41' travel	1.00 ls	85,800.00 /ls	85,800
Elevator #1 - MRL stop - 3500#	4.00 sto	38,000.00 /stop	152,000
	p		
Elevator #2 - MRL - cab and machine - 3500#, 2 fpm, 10' travel	1.00 ls	85,800.00 /ls	85,800



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>142123 MRL Electric Traction Passenger Elevators</b>			
Elevator #2 - MRL stop - 3500#	2.00 sto	38,000.00 /stop	76,000
	p		
Elevator #2 - add for custom elevator for reduced head height	1.00 ls	78,000.00 /ls	78,000
Bond on elevator	750.00 M	14.00 /M	10,500
<b>142123 MRL Electric Traction Passenger Elevators</b>		<b>/st</b>	<b>757,100</b>
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<b>14.01 ELEVATOR (TS)</b>	<b>246,123.00 gsf</b>	<b>3.08 /gsf</b>	<b>757,100</b>
<b>21-01 FIRE PROTECTION (TS)</b>			
<b>210000 Fire Protection (TS)</b>			
GRs (management/design, permits, as-builts, coring, fire stopping) - bldg	174,000.00 sf	1.25 /sf	217,500
GRs (management/design, permits, as-builts, coring, fire stopping) - garage	60,000.00 sf	1.25 /sf	75,000
Rework exist. fire protection system	9,997.00 sf	6.00 /sf	59,982
Fire protection at infill - new mains to existing bldg	5,550.00 sf	3.12 /sf	17,316
Fire protection at infill at connector/bridge	4,000.00 sf	7.13 /sf	28,538
Bond on FP	1,890.00 M	10.00 /M	18,900
<b>210000 Fire Protection (TS)</b>	<b>408,500.00 gsf</b>	<b>1.02 /gsf</b>	<b>417,236</b>
<b>211200 Fire Suppression Wet-Pipe Sprinkler System</b>			
Fire dept. inlet connection - 2-1/2" polished brass - 2-way	1.00 ea	1,031.60 /ea	1,032
Roof manifold connection - 2-1/2" polished brass - 2-way	4.00 ea	1,031.51 /ea	4,126
Fire main - sch 40 black steel piping w/ fittings - 8"	20.00 lf	147.34 /lf	2,947
Standpipe - sch 40 black steel piping w/ fittings - 4"	250.00 lf	69.86 /lf	17,465
Standpipe - sch 40 black steel piping w/ fittings - 6"	750.00 lf	115.82 /lf	86,865
Fire hose cabinet - aluminum - recessed	12.00 ea	1,297.98 /ea	15,576
Sprinkler head - wet - recessed pendant	1,105.00 ea	147.45 /ea	162,936
Sprinkler head - wet - pendant or upright	390.00 ea	90.72 /ea	35,380
Sprinkler branch piping black steel sch. 40 w/ fittings (avg. size)	11,960.00 lf	32.68 /lf	390,892
Sprinkler main piping black steel sch. 10 w/ fittings (avg. size)	2,795.00 lf	45.21 /lf	126,359
Wet alarm valve - 8"	1.00 ea	5,188.16 /ea	5,188
Double check valve (BFP) assembly - 8"	1.00 ea	13,060.32 /ea	13,060
Zone flow control valve	6.00 ea	3,138.00 /ea	18,828
Waterflow switch	7.00 ea	521.68 /ea	3,652
Tamper switch	19.00 ea	440.43 /ea	8,368
Test port/test header	1.00 ea	1,170.53 /ea	1,171
Electric bell	1.00 ea	778.46 /ea	778



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>211200 Fire Suppression Wet-Pipe Sprinkler System</b>		<b>/gsf</b>	<b>894,622</b>
<b>211316 Dry-Pipe Sprinkler System</b>			
Sprinkler head - dry - pendant or upright garage	500.00 ea	92.40 /ea	46,199
New coverage - for limit of this project only	19,849.00 gsf	8.24 /gsf	163,524
Dry branch piping galvanized sch. 40 - w/ fittings (avg. size)	5,000.00 lf	42.76 /lf	213,800
Dry main piping galvanized sch. 40 - w/ fittings (avg. size)	1,000.00 lf	120.59 /lf	120,585
Dry alarm valve	1.00 ea	6,277.78 /ea	6,278
Dry system maintenance air compressor	1.00 ea	5,847.57 /ea	5,848
Nitrogen generator	0.00 ls	0.00 /ls	0
<b>211316 Dry-Pipe Sprinkler System</b>		<b>/gsf</b>	<b>556,233</b>
<b>213000 Fire Pumps</b>			
Fire pump w jockey & controller (750 gpm, 100 hp)	0.00 ea	0.00 /ea	0
<b>21-01 FIRE PROTECTION (TS)</b>	<b>246,123.00 gsf</b>	<b>7.59 /gsf</b>	<b>1,868,091</b>
<b>22-01 PLUMBING (TS)</b>			
<b>220000 Plumbing - General Conditions</b>			
Bond	4,400.00 M	10.00 /M	44,000
Penetration firestopping	246,123.00 sf	0.40 /sf	98,449
General requirements (management, permits, as-builts, coring, fire stopping)	246,123.00 sf	2.00 /sf	492,246
Commissioning support/lump sum	1.00 ls	10,000.00 /ls	10,000
<b>220000 Plumbing - General Conditions</b>	<b>242,938.00 gsf</b>	<b>2.65 /gsf</b>	<b>644,695</b>
<b>220700 Plumbing - Insulation</b>			
Insulation (misc.)	231,420.00 sf	0.26 /sf	60,169
Insulation (misc.) - infill, bridge, connector	6,994.00 sf	1.00 /sf	6,994
Insulation/copper pipe/fiberglass	18,750.00 lf	10.41 /lf	195,268
<b>220700 Plumbing - Insulation</b>	<b>242,938.00 gsf</b>	<b>1.08 /gsf</b>	<b>262,431</b>
<b>221000 Plumbing - Facility Water Distribution</b>			
Domestic & non-potable water system (misc. not shown)	242,938.00 sf	0.26 /sf	63,164
Water meter w/remote readout - 2"	1.00 ea	2,062.96 /ea	2,063
Water meter w/remote readout - 4"	1.00 ea	3,086.97 /ea	3,087
Backflow preventer/RPZ-BFP - 2" (lab sinks)	1.00 ea	2,240.73 /ea	2,241
Backflow preventer/RPZ-BFP - 2" (lab sinks)	2.00 ea	2,240.73 /ea	4,481
Backflow preventer/RPZ-BFP	1.00 ea	2,622.22 /ea	2,622
Recirculation pump/bronze - avg. size	1.00 ea	874.53 /ea	875
Recirculation pump/bronze - avg. size	1.00 ea	874.53 /ea	875



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>221000 Plumbing - Facility Water Distribution</b>			
Thermostatic mixing valve/TMV - avg. size	1.00 ea	1,509.57 /ea	1,510
Thermostatic mixing valve/TMV - avg. size	1.00 ea	1,509.57 /ea	1,510
(H) Hose bibbs w/vac. breaker - interior	2.00 ea	250.37 /ea	501
Hose bibbs w/vac. breaker - interior	15.00 ea	250.37 /ea	3,756
Hose bibbs/exterior	3.00 ea	359.05 /ea	1,077
Hose bibbs/exterior	4.00 ea	359.05 /ea	1,436
Trap primers/electronic	10.00 ea	1,816.46 /ea	18,165
(H) Trap primers/electronic	2.00 ea	1,816.46 /ea	3,633
Valve box/dishwasher	1.00 ea	298.01 /ea	298
Valve box/dishwasher	1.00 ea	298.01 /ea	298
(H) Valve box/refrigerator	1.00 ea	226.51 /ea	227
Valve box/refrigerator	5.00 ea	226.50 /ea	1,132
Domestic water AG/type "L" copper/solder - avg. size (fixtures)	9,450.00 lf	39.56 /lf	373,790
Domestic water AG/type "L" copper/solder (kitchen connections)	1,650.00 lf	39.56 /lf	65,265
Non-potable water AG/type "L" copper/solder - avg. size (science sinks)	950.00 lf	39.56 /lf	37,577
Domestic water AG/type "L" copper/solder - 1/2" (trap primers)	1,250.00 lf	16.97 /lf	21,217
Domestic water AG/type "L" copper/solder - 1/2"	2,000.00 lf	14.21 /lf	28,411
Domestic water AG/type "L" copper/solder - 3/4"	1,500.00 lf	16.16 /lf	24,232
Domestic water AG/type "L" copper/solder - 1-1/4"	250.00 lf	24.34 /lf	6,085
Domestic water AG/type "L" copper/solder - 1-1/2"	150.00 lf	29.21 /lf	4,381
Domestic water AG/type "L" copper/solder - 2"	400.00 lf	39.02 /lf	15,606
Domestic water AG/type "L" copper/solder - 2-1/2"	200.00 lf	71.58 /lf	14,316
Domestic water AG/type "L" copper/solder - 3"	225.00 lf	91.98 /lf	20,695
Domestic water AG/type "L" copper/solder - 4"	275.00 lf	135.68 /lf	37,312
Tempered water piping AG/type "L" copper/solder (emerg. showers)	450.00 lf	24.57 /lf	11,057
- Domestic water piping accessories	18,750.00 lf	4.22 /lf	79,123
Minimal heat trace in garage	1.00 ls	10,000.02 /ls	10,000
<b>221000 Plumbing - Facility Water Distribution</b>	<b>242,938.00 gsf</b>	<b>3.55 /gsf</b>	<b>862,016</b>
<b>221300 Plumbing - Sanitary, Waste &amp; Vent Piping</b>			
Sanitary waste & vent system (misc. not shown)	231,420.00 sf	0.26 /sf	60,169
Floor drain - avg. size	25.00 ea	420.49 /ea	10,512
Garage drain/hvy duty	15.00 ea	550.49 /ea	8,257
Floor sink - avg. size	4.00 ea	3,254.61 /ea	13,018
Trench drain/heavy duty	25.00 lf	363.20 /lf	9,080



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>221300 Plumbing - Sanitary, Waste &amp; Vent Piping</b>			
Grease interceptor/interior	2.00 ea	15,000.02 /ea	30,000
Oil interceptor/exterior	2.00 ea	10,895.92 /ea	21,792
Groundwater ejector pump/duplex	1.00 ea	20,712.44 /ea	20,712
Elevator sump pump	3.00 ea	5,000.01 /ea	15,000
Elevator sump pump	(1.00) ea	5,000.02 /ea	(5,000)
Garage waste & vent UG/cast iron single hub pipe & ftgs. - 4"	700.00 lf	41.68 /lf	29,179
Garage waste & vent UG/cast iron single hub pipe & ftgs. - 6"	600.00 lf	95.18 /lf	57,106
Sanitary UG/cast iron single hub pipe & ftgs. - 8"	60.00 lf	98.92 /lf	5,935
Sanitary AG/cast iron no hub pipe & ftgs. - avg. size	7,225.00 lf	59.05 /lf	426,603
Sanitary AG/cast iron no hub pipe & ftgs. - 2"	1,150.00 lf	32.70 /lf	37,604
Sanitary AG/cast iron no hub pipe & ftgs. - 3"	400.00 lf	41.82 /lf	16,729
Garage waste & vent AG/cast iron no hub pipe & ftgs. - 4"	1,200.00 lf	66.07 /lf	79,285
Sanitary AG/cast iron no hub pipe & ftgs. - 4"	650.00 lf	49.79 /lf	32,364
Sanitary AG/cast iron no hub pipe & ftgs. - 8"	50.00 lf	172.05 /lf	8,603
Grease waste UG/cast iron single hub pipe & ftgs. - 6"	80.00 lf	95.18 /lf	7,614
Grease waste & vent AG/cast iron no hub pipe & ftgs. - avg. size	300.00 lf	59.05 /lf	17,714
Grease waste AG/cast iron no hub pipe & ftgs. - 1"	300.00 lf	39.43 /lf	11,829
Grease waste AG/cast iron no hub pipe & ftgs. - 1-1/2"	100.00 lf	39.43 /lf	3,943
Grease waste AG/cast iron no hub pipe & ftgs. - 2"	250.00 lf	40.37 /lf	10,093
Grease waste AG/cast iron no hub pipe & ftgs. - 4"	25.00 lf	63.53 /lf	1,588
- Sanitary waste & vent piping accessories	13,090.00 lf	3.84 /lf	50,218
Heat trace at traps in garage	1.00 ls	25,000.02 /ls	25,000
<b>221300 Plumbing - Sanitary, Waste &amp; Vent Piping</b>	<b>242,938.00 gsf</b>	<b>4.14 /gsf</b>	<b>1,004,947</b>
<b>221400 Plumbing - Rainleader Piping</b>			
Storm drainage system (misc)	246,000.00 sf	0.26 /sf	63,960
Allowance to protect and rework roof drains as required for waterproofing	1.00 ls	26,381.32 /ls	26,381
Modification to accept addition and allow renovation	1.00 ls	13,509.94 /ls	13,510
Roof drain- 4" (RD-C)	6.00 ea	489.96 /ea	2,940
Roof drain - 6" (RD-C)	16.00 ea	652.18 /ea	10,435
Area drain (courtyard)	4.00 ea	483.37 /ea	1,933
Rainleader UG/cast iron single hub pipe & ftgs. - 12"	75.00 lf	177.71 /lf	13,328
Rainleader UG/cast iron no hub pipe & ftgs. - avg. size	125.00 lf	75.23 /lf	9,404
Tie-ins to existing rainleader - A/G	1.00 ea	329.55 /ea	330
Rainleader AG/cast iron no hub pipe & ftgs. - avg. size	2,200.00 lf	145.70 /lf	320,532
Rainleader AG/cast iron no hub pipe & ftgs. - 4"	50.00 lf	49.79 /lf	2,490
Rainleader AG/cast iron no hub pipe & ftgs. - 5"	125.00 lf	65.63 /lf	8,204
Rainleader AG/cast iron no hub pipe & ftgs. - 6"	125.00 lf	77.61 /lf	9,702



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>221400 Plumbing - Rainleader Piping</b>			
- Rainleader piping accessories	150.00 lf	3.84 /lf	575
- Rainleader piping accessories	2,650.00 lf	3.84 /lf	10,166
<b>221400 Plumbing - Rainleader Piping</b>	<b>242,938.00 gsf</b>	<b>2.03 /gsf</b>	<b>493,890</b>
<b>223000 Plumbing - Equipment</b>			
HWH/electric - 8 gals	8.00 ea	914.73 /ea	7,318
HWH/electric - 50 gals/9 kw (non-potable)	2.00 ea	3,499.99 /ea	7,000
HWH/electric - 50 gals/9 kw (non-potable & tempered) for science	2.00 ea	5,000.01 /ea	10,000
HWH/electric - 500 gallon/36 kw (kitchen)	1.00 ea	24,999.98 /ea	25,000
HWH/electric - 250 gals/9 kw (tempered water)	1.00 ea	9,500.03 /ea	9,500
Water heaters/electric/point of service	20.00 ea	1,626.44 /ea	32,529
Water heaters/electric/point of service (single sink)	91.00 ea	1,858.79 /ea	169,150
Water heaters/electric/point of service (double sink)	13.00 ea	2,327.45 /ea	30,257
Water heaters/electric/point of service	3.00 ea	2,323.50 /ea	6,971
Plumbing - offload & rigging (l)	2.00 ea	641.97 /ea	1,284
Plumbing - offload & distribution (s)	135.00 ea	95.49 /ea	12,892
Plumbing - offload & distribution (l)	2.00 ea	381.97 /ea	764
<b>223000 Plumbing - Equipment</b>	<b>242,938.00 gsf</b>	<b>1.29 /gsf</b>	<b>312,663</b>
<b>224000 Plumbing - Fixtures</b>			
Water closet/wall mnt./carrier/flush valve (P-1)	33.00 ea	1,797.80 /ea	59,327
Water closet/wall mnt./carrier/flush valve (P-1) incl piping	(1.00) ea	2,799.99 /ea	(2,800)
Water closet/wall mnt./carrier/flush valve/ADA (P-1A)	36.00 ea	1,856.14 /ea	66,821
Urinal/wall mnt./carrier/flush valve (P-2)	5.00 ea	1,645.46 /ea	8,227
Urinal/wall mnt./carrier/flush valve/ADA (P-2A)	6.00 ea	1,705.52 /ea	10,233
Lavatory/wall hung/metering faucet/carrier/ADA (P-3A)	48.00 ea	2,063.49 /ea	99,048
Lavatory/wall hung/metering faucet/carrier/ADA (P-3A) - incl piping	(1.00) ea	2,799.96 /ea	(2,800)
Exam room sing with piping	(1.00) ea	3,499.99 /ea	(3,500)
Faucet only/integral lavatory/ADA (for P-9 & P-9A)	86.00 ea	659.23 /ea	56,694
Trough type wash sink/2-faucet/3-bay (P-3)	2.00 ea	7,609.43 /ea	15,219
Sink/1-bowl/ADA - w/ instant elec. water heater (P-7)	11.00 ea	5,522.21 /ea	60,744
Sink/specialty/art room sink (P-8 & P-8A)	6.00 ea	3,172.70 /ea	19,036
Sink/specialty - (slop sink)	1.00 ea	3,172.71 /ea	3,173
Sink/specialty/art room sink (P-8 & P-8A)	(3.00) ea	3,172.70 /ea	(9,518)
Sink/acid waste/std 2-lever faucet (P-10 & P-10A)	19.00 ea	1,648.22 /ea	31,316
- Solids interceptors (Art Room sinks)	6.00 ea	769.72 /ea	4,618
Mop sink/floor mnt - 24"x24" (P-5)	10.00 ea	1,931.22 /ea	19,312
Shower stall/std valve & access./3'x3' fiberglass/ADA (P-6A)	4.00 ea	4,534.73 /ea	18,139



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>224000 Plumbing - Fixtures</b>			
Emergency shower/eye wash sta./mixing valve/pedestal (P-12)	5.00 ea	4,176.56 /ea	20,883
Water cooler/bottle filler/single (P-4)	18.00 ea	2,754.34 /ea	49,578
Kitchen equipment connections misc.	1.00 ls	26,000.00 /ls	26,000
- Plumbing fixtures offload & distribution	290.00 ea	95.49 /ea	27,693
- Plumbing fixtures rough-in	290.00 ea	127.99 /ea	37,118
<b>224000 Plumbing - Fixtures</b>	<b>290.00 fx</b>	<b>2,119.18 /fx</b>	<b>614,562</b>
<b>226600 Plumbing - Acid Neutrization System</b>			
Acid neut. Tank/5 gallon - 1-sink	19.00 ea	1,126.99 /ea	21,413
- Limestone chips/50 lb. bag	19.00 ea	54.76 /ea	1,040
Acid waste AG/sch 40 polypropylene fuseal - avg. size	475.00 lf	73.65 /lf	34,984
- Acid waste & vent piping accessories	475.00 lf	2.67 /lf	1,267
Piping, insulation for above	19.00 fx	4,138.32 /fx	78,628
<b>226600 Plumbing - Acid Neutrization System</b>	<b>242,938.00 gsf</b>	<b>0.57 /gsf</b>	<b>137,332</b>
<b>22-01 PLUMBING (TS)</b>	<b>246,123.00 gsf</b>	<b>17.60 /gsf</b>	<b>4,332,537</b>
<b>23-01 HVAC (TS)</b>			
<b>230001 HVAC GCs</b>			
Bond	17,900.00 M	10.00 /M	179,000
Penetration firestopping	172,307.00 sf	0.40 /sf	68,923
General requirements (management, permits, as-builts, coring, fire stopping)	172,307.00 sf	1.53 /sf	263,423
Demolition/cut, drop & make safe (sq. ft.) at common garage	1.00 ls	39,200.00 /ls	39,200
<b>230001 HVAC GCs</b>	<b>231,420.00 gsf</b>	<b>2.38 /gsf</b>	<b>550,546</b>
<b>230593 Testing, Adjusting and Balancing for HVAC</b>			
Testing & balancing/cost per sq. ft. - school	172,307.00 sf	0.69 /sf	118,203
Testing & balancing/cost per sq. ft. - garage	60,000.00 sf	0.25 /sf	15,000
<b>230593 Testing, Adjusting and Balancing for HVAC</b>	<b>231,420.00 gsf</b>	<b>0.58 /gsf</b>	<b>133,203</b>
<b>230700 HVAC Insulation</b>			
Insulation/ductwork/blanket wrap - SA	67,500.00 sf	4.99 /sf	336,689
Insulation/ductwork/blanket wrap - RA & EA	81,100.00 sf	4.99 /sf	404,525
Insulation/ductwork/firewrap (two layer)	1,000.00 sf	38.52 /sf	38,523
Insulation/pipe/copper (terminal)	15,550.00 lf	10.27 /lf	159,678
Insulation/pipe/weld (mains)	16,500.00 lf	17.19 /lf	283,610
Insulation/pipe/weld (4")	125.00 lf	17.19 /lf	2,149



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>230700 HVAC Insulation</b>			
Insulation/pipe/weld (5"-8")	450.00 lf	27.94 /lf	12,574
Insulation/pipe/weld (10"-12")	360.00 lf	53.77 /lf	19,356
Insulation/pipe/weld/weatherproof exposed (avg. size)	600.00 lf	41.04 /lf	24,621
Insulation/pipe/weld/ add for PVC jacket (2-1/2"-6") - mech rm	325.00 lf	10.41 /lf	3,382
Insulation/pipe/weld/ add for PVC jacket (8"-12") - mech rm	610.00 lf	19.32 /lf	11,786
<b>230700 HVAC Insulation</b>	<b>231,420.00 gsf</b>	<b>5.60 /gsf</b>	<b>1,296,893</b>
<b>230800 HVAC Commissioning Support</b>			
Commissioning support/lump sum	1.00 ls	19,600.00 /ls	19,600
<b>230800 HVAC Commissioning Support</b>	<b>231,420.00 gsf</b>	<b>0.09 /gsf</b>	<b>19,600</b>
<b>230900 Direct Digital Control System for HVAC</b>			
Automatic temperature controls/cost per sq. ft.	231,420.00 sf	0.25 /sf	57,855
ATC - BAS hardware, software & engineering	1.00 ls	27,395.90 /ls	27,396
ATC - for AHU/RTUS use combo temp & humidity sensors	(1.00) ls	57,079.97 /ls	(57,080)
ATC - CO2 demand ventilation (area served)	231,420.00 sf	0.49 /sf	113,396
ATC - Mini-split AC condensing units (w/factory controls)	4.00 ea	817.87 /ea	3,271
ATC - Mini-split AC indoor units (w/factory controls)	4.00 ea	547.92 /ea	2,192
ATC - HRC plant - 134 pts.	134.00 pnt	1,000.00 /pnt	134,000
ATC - RTU-1 thru 6 - 104 pts.	624.00 pnt	1,000.00 /pnt	624,000
ATC - RTU-7 thru 11 - 94 pts.	470.00 pnt	1,000.00 /pnt	470,000
ATC - RTU-12 - 40 pts.	40.00 pnt	649.93 /pnt	25,997
ATC - Exhaust fans - 5 pts.	55.00 pnt	592.91 /pnt	32,610
ATC - Jet fans - 3 pts.	21.00 pnt	592.91 /pnt	12,451
ATC - Kitchen exhaust fans - 10 pts.	20.00 pnt	637.90 /pnt	12,758
ATC - Heat exchangers - 7 pts.	14.00 pnt	1,111.87 /pnt	15,566
ATC - Constant volume damper 2 pts.	46.00 pnt	345.46 /pnt	15,891
ATC - VAV boxes w/coil (ATC furn. & install controls) - 4 pts.	560.00 pnt	514.95 /pnt	288,372
ATC - Fan coil units/4 pipe - 6 pts.	84.00 pnt	416.95 /pnt	35,024
ATC - Fintube radiation zones - 2 pts.	10.00 pnt	320.96 /pnt	3,210
ATC - Cabinet unit heaters - 3 pts.	15.00 pnt	320.96 /pnt	4,814
ATC - Unit heaters - 3 pts.	57.00 pnt	320.96 /pnt	18,294
ATC - Radiant ceiling panel zones - 2 pts.	316.00 pnt	320.96 /pnt	101,422
<b>230900 Direct Digital Control System for HVAC</b>	<b>231,420.00 gsf</b>	<b>8.39 /gsf</b>	<b>1,941,440</b>
<b>231000 Facility Fuel Systems/Oil &amp; Gas</b>			
<i>Fuel oil system</i>	0.00 ls	/ls	
<b>231000 Facility Fuel Systems/Oil &amp; Gas</b>	<b>231,420.00 gsf</b>	<b>/gsf</b>	
<b>232113 Hydronic Piping</b>			



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>232113 Hydronic Piping</b>			
HW & CHW s&r/type "L" copper solder - terminal equipment	14,850.00 lf	34.00 /lf	504,900
Hot water s&r/sch 40 blk stl ERW weld - mains	7,850.00 lf	91.46 /lf	717,961
Chilled water s&r/sch 40 blk stl ERW weld - mains	6,000.00 lf	91.46 /lf	548,760
Chilled water s&r/sch 40 blk stl ERW weld - 4"	125.00 lf	106.33 /lf	13,291
Chilled water s&r/sch 40 blk stl ERW weld - 8"	250.00 lf	232.96 /lf	58,240
Condenser water s&r/sch 40 blk stl ERW weld - 6"	200.00 lf	173.45 /lf	34,690
Condenser water s&r/sch 40 blk stl ERW weld - 10"	360.00 lf	289.53 /lf	104,231
CCHW water s&r/type "L" copper solder - terminal equipment	700.00 lf	27.87 /lf	19,509
CCHW water s&r/sch 40 blk stl ERW weld - mains	2,650.00 lf	97.34 /lf	257,951
- Hydronic pipe heat tracing	600.00 lf	46.83 /lf	28,098
Refrigerant piping/type "ACR" hard copper/brazed	375.00 lf	43.75 /lf	16,406
<b>232113 Hydronic Piping</b>	<b>231,420.00 gsf</b>	<b>9.96 /gsf</b>	<b>2,304,037</b>
<b>232114 HVAC Pumps</b>			
Pump/base mount/3 pump array - P-1 (HHW)	1.00 ea	31,219.40 /ea	31,219
Pump/base mount/3 pump array - P-2 (CHW)	1.00 ea	31,219.40 /ea	31,219
Pump/base mount/3 pump array - P-3 & 4 (CW)	2.00 ea	31,219.36 /ea	62,439
Pump/base mount/3 pump array - P-5 (CCHW)	1.00 ea	31,219.40 /ea	31,219
Air separators	5.00 ea	3,960.69 /ea	19,803
Expansion tanks/ASME	8.00 ea	9,309.66 /ea	74,477
Buffer tank	4.00 ea	3,857.03 /ea	15,428
<b>232114 HVAC Pumps</b>	<b>231,420.00 gsf</b>	<b>1.15 /gsf</b>	<b>265,806</b>
<b>232500 HVAC Water Treatment</b>			
Chemical treatment	1.00 ea	11,707.08 /ea	11,707
- Shot feeder & coupon rack	4.00 ea	1,751.04 /ea	7,004
Glycol feed/50 gal. tank w/pump	4.00 ea	6,568.17 /ea	26,273
- Glycol solution/40% propylene	300.00 gal	30.25 /gal	9,075
<b>232500 HVAC Water Treatment</b>	<b>231,420.00 gsf</b>	<b>0.23 /gsf</b>	<b>54,059</b>
<b>233000 HVAC Sheetmetal</b>			
Sheetmetal & accessories/galvanized - SA	92,000.00 lb	19.00 /lb	1,748,000
Sheetmetal & accessories/galvanized - RA & EA	118,400.00 lb	19.00 /lb	2,249,600
Sheetmetal & accessories/stainless steel	700.00 lb	33.90 /lb	23,727
Sheetmetal & accessories/welded black iron	1,900.00 lb	26.25 /lb	49,878
Sheetmetal & accessories/pre-fab insulated - underground	1,500.00 lb	24.67 /lb	37,009
SM - Diffusers, registers & grilles	12.00 ea	228.90 /ea	2,747
SM - Supply diffusers	22.00 ea	224.46 /ea	4,938
SM - Return air grilles	199.00 ea	187.22 /ea	37,256



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>233000 HVAC Sheetmetal</b>			
SM - Exhaust air grilles	61.00 ea	170.56 /ea	10,404
SM - Displ. Diffuser/Floor Mnt. - 10"	79.00 ea	1,146.70 /ea	90,590
SM - Displ. Diffuser/Floor Mnt. - 12"	133.00 ea	1,352.52 /ea	179,885
SM - Displ. Diffuser/Floor Mnt. - horiz.	55.00 ea	1,249.61 /ea	68,729
Misc. fans - EF-1 thru 8	8.00 ea	3,430.00 /ea	27,440
EF/centrifugal downblast/roof/belt drive - 6,250 cfm - GEF-3	1.00 ea	4,655.83 /ea	4,656
EF/centrifugal downblast/roof/belt drive - 18,600 cfm - GEF-1 & 2	2.00 ea	8,355.35 /ea	16,711
Jet fan/inline	7.00 ea	1,383.53 /ea	9,685
Kiln exhaust - avg. size (Vent-A-Kiln)	1.00 ea	1,288.42 /ea	1,288
<b>233000 HVAC Sheetmetal</b>	<b>231,420.00 gsf</b>	<b>19.72 /gsf</b>	<b>4,562,541</b>
<b>233400 HVAC Fans</b>			
EF/centrifugal upblast/roof - 300 cfm - KEF-2	1.00 ea	2,154.89 /ea	2,155
EF/centrifugal upblast/roof - 4,700 cfm - KEF-1	1.00 ea	5,373.45 /ea	5,373
<b>233400 HVAC Fans</b>	<b>231,420.00 gsf</b>	<b>0.03 /gsf</b>	<b>7,528</b>
<b>233600 Air Terminal Units</b>			
Variable air volume box w coil & controls	150.00 ea	1,570.51 /ea	235,577
Constant air volume box	23.00 ea	938.87 /ea	21,594
<b>233600 Air Terminal Units</b>	<b>231,420.00 gsf</b>	<b>1.11 /gsf</b>	<b>257,171</b>
<b>235000 HVAC Boilers &amp; Heat Exchangers</b>			
Boiler/HW/electric	1.00 ea	63,820.85 /ea	63,821
Boiler circulator pump	1.00 ea	1,013.49 /ea	1,013
Heat exchanger/plate & frame/water to water - HX-1 & 2	2.00 ea	35,217.38 /ea	70,435
<b>235000 HVAC Boilers &amp; Heat Exchangers</b>	<b>231,420.00 gsf</b>	<b>0.59 /gsf</b>	<b>135,269</b>
<b>236000 Heat Pumps</b>			
Heat pump chiller - HRC-1 (8) 85 ton modules	680.00 ton	2,450.00 /tons	1,666,000
	S		
Side stream filter	1.00 ea	20,483.80 /ea	20,484
<b>236000 Heat Pumps</b>	<b>231,420.00 gsf</b>	<b>7.29 /gsf</b>	<b>1,686,484</b>
<b>237000 HVAC - Central Air Handling Equipment</b>			
Vendor quote - Haakon (reduced at recon) - RTU-1 thru 12	98,000.00 cfm	30.00 /cfm	2,940,000
Air handling unit - RTU-1	0.00 cfm	/cfm	
Air handling unit - RTU-2	0.00 cfm	/cfm	
Air handling unit - RTU-3	0.00 cfm	/cfm	
Air handling unit - RTU-4	0.00 cfm	/cfm	
Air handling unit - RTU-5	0.00 cfm	/cfm	
Air handling unit - RTU-6	0.00 cfm	/cfm	
Air handling unit - RTU-7	0.00 cfm	/cfm	
Air handling unit - RTU-8	0.00 cfm	/cfm	
Air handling unit - RTU-9	0.00 cfm	/cfm	



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>237000 HVAC - Central Air Handling Equipment</b>			
Air handling unit - RTU-10	0.00 cfm	/cfm	
Air handling unit - RTU-11	0.00 cfm	/cfm	
Air handling unit - RTU-12 (MAU)	0.00 cfm	/cfm	
incl sound attenuation, airflow measurement...	0.00 cfm	/cfm	
<b>237000 HVAC - Central Air Handling Equipment</b>	<b>231,420.00 gsf</b>	<b>12.70 /gsf</b>	<b>2,940,000</b>
<b>238020 Mini-Split AC &amp; Heat Pump Systems</b>			
Mini-split AC system/1-zone/wall mnt./cool only - EMR	3.00 ea	4,053.60 /ea	12,161
Mini-split AC system/1-zone/wall mnt./cool only - elec. & tel data	4.00 ea	4,053.59 /ea	16,214
<b>238020 Mini-Split AC &amp; Heat Pump Systems</b>	<b>231,420.00 gsf</b>	<b>0.12 /gsf</b>	<b>28,375</b>
<b>238200 Convection Heating Units</b>			
Fan coil unit/hydronic 4-pipe/horiz. or vert. - 600 cfm	12.00 ea	2,306.61 /ea	27,679
Fan coil unit/hydronic 4-pipe/horiz. or vert. - 1,000 cfm	2.00 ea	3,689.94 /ea	7,380
Radiant ceiling panels/24" wide - ft.	8,815.00 lf	130.00 /lf	1,145,950
Finned-tube radiation w/enclosure - 1 row	215.00 lf	98.49 /lf	21,176
Cabinet unit heater/hot water/ceiling mount	5.00 ea	1,933.06 /ea	9,665
Unit heater/hot water/horiz./propeller	15.00 ea	1,215.29 /ea	18,229
Unit heater/electric/horiz./propeller	4.00 ea	1,372.07 /ea	5,488
<b>238200 Convection Heating Units</b>	<b>231,420.00 gsf</b>	<b>5.34 /gsf</b>	<b>1,235,568</b>
<b>238500 HVAC Equipment VFD's</b>			
VFD w/keypad/disconnect/bypass/NEMA 1 - fans	13.00 ea	4,713.14 /ea	61,271
VFD w/keypad/disconnect/bypass/NEMA 1 - pump arrays	5.00 ea	6,511.25 /ea	32,556
<b>238500 HVAC Equipment VFD's</b>	<b>231,420.00 gsf</b>	<b>0.41 /gsf</b>	<b>93,827</b>
<b>239000 HVAC Equipment Rigging/Setting/Start Up</b>			
Equipment hoisting/rigging/setting/start-up	172,307.00 sf	1.37 /sf	236,405
<b>239000 HVAC Equipment Rigging/Setting/Start Up</b>	<b>231,420.00 gsf</b>	<b>1.02 /gsf</b>	<b>236,405</b>
<b>23-01 HVAC (TS)</b>	<b>246,123.00 gsf</b>	<b>72.11 /gsf</b>	<b>17,748,753</b>
<b>26-01 ELECTRICAL (TS)</b>			
<b>260000 Electrical General Requirements</b>			
Bond	14,200.00 M	10.00 /M	142,000
Penetration firestopping	246,123.00 sf	0.40 /sf	98,449
Project management (16 hrs/wk)	130.00 wks	2,662.40 /wks	346,112
3D/BIM coordination (1 coordinator/week)	8.00 wks	6,240.00 /wks	49,920
Project phasing costs	1.00 ls	52,000.00 /ls	52,000
Temporary light stringers and GFI power drops	246,123.00 sf	0.78 /sf	191,976



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260000 Electrical General Requirements</b>			
Temporary electric service (200A @ 480V) - carried seperately	1.00 ea	12,041.16 /ea	12,041
Temporary electric service (400A @ 480V) - carried seperately	2.00 ea	20,098.79 /ea	40,198
Temporary heat detector coverage during construction	246,123.00 sf	0.52 /sf	127,984
<b>260000 Electrical General Requirements</b>	<b>231,420.00 gsf</b>	<b>4.58 /gsf</b>	<b>1,060,680</b>
<b>260505 Electrical Demo</b>			
<i>Electrical phased demo - cut, drop &amp; make safe - carried seperately</i>	30,456.00 sf	/sf	
<i>General electrical phased demo - cut, drop &amp; make safe or maintain - carried seperately</i>	19,849.00 sf	/sf	
<i>Demolish existing building - disconnect &amp; makesafe only - carried seperately</i>	1.00 ea	/ea	
<b>260505 Electrical Demo</b>	<b>242,938.00 gsf</b>	<b>/gsf</b>	
<b>260508 Electrical Distribution</b>			
Feeder (PVC/CU) - 150A	230.00 lf	31.93 /lf	7,345
Feeder (PVC/CU) - 2000A - Genset feeder	200.00 lf	700.00 /lf	140,000
Feeder (PVC/CU) - 3500A	270.00 lf	1,037.81 /lf	280,208
Empty spare conduit - sch 40 PVC 2x 3" @ misc ductbanks	230.00 lf	30.94 /lf	7,117
Empty spare conduit - sch 40 PVC 1x 4" @ misc ductbanks	500.00 lf	19.93 /lf	9,967
Empty conduit - sch 40 PVC - 2 x 4" - primary to new pad mtd xfmr	30.00 lf	37.84 /lf	1,135
Inner-cell conduit @ PVC - 3x 1-1/4" - Ductbank EE	140.00 lf	29.21 /lf	4,089
Hand hole / splicebox	2.00 ea	1,528.76 /ea	3,058
Electric manhole	1.00 ea	7,460.96 /ea	7,461
Cast iron manhole frame/cover	1.00 ea	1,255.38 /ea	1,255
<i>Ut Co primary switch 13.8KV - F&amp;I by Eversource</i>	0.00 EXC	/EXC	
<i>Ut co pad mtd transformer 13.8KV-480/277V - F&amp;I by Eversource</i>	0.00 EXC	/EXC	
Primary ductbank connection to existng 15KV switch	1.00 ea	1,295.96 /ea	1,296
Secondary Transclosure - 4000A-3PH/4W-480V	1.00 ea	13,546.79 /ea	13,547
Tie-in secondary feeders @ Ut Co Pad mount transformer - 4000A-480V	1.00 ea	2,394.50 /ea	2,395
ADJUST TO VENDOR QUOTE - Switchgear Package - Square D	1.00 lot	509,545.00 /lot	509,545
Emergency power off (EPO) @ UPS	1.00 ea	346.17 /ea	346
Fused disconnect switch - 30A/3P	1.00 ea	531.49 /ea	531
Fused disconnect switch - 100A/3P	1.00 ea	849.91 /ea	850
Fused disconnect switch - 200A/3P	1.00 ea	1,439.61 /ea	1,440
Fused disconnect switch - 600A/3P	1.00 ea	2,649.50 /ea	2,650
SPD, external surge protector	53.00 ea	1,120.72 /ea	59,398
Meter socket for utility metering	2.00 ea	502.22 /ea	1,004
Switchboard (CU) - 3500A, 480V, 3PH, 65kAIC, 4-section (PQM, SPD)	1.00 ea	279,914.20 /ea	279,914
Panelboard - 60A, 42-circuit	1.00 ea	3,161.20 /ea	3,161
Panelboard - 60A, 60-circuit	1.00 ea	3,603.41 /ea	3,603



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260508 Electrical Distribution</b>			
Panelboard - 100A, 42-circuit	16.00 ea	3,586.68 /ea	57,387
Panelboard - 100A, 84-circuit	1.00 ea	6,035.79 /ea	6,036
Panelboard - 150A, 84-circuit	3.00 ea	7,224.12 /ea	21,672
Panelboard - 200A, 60-circuit	1.00 ea	5,444.61 /ea	5,445
Panelboard - 225A, 42-circuit	4.00 ea	4,741.40 /ea	18,966
Panelboard - 225A, 84-circuit	9.00 ea	7,454.36 /ea	67,089
Panelboard - 225A, 126-circuit	10.00 ea	9,209.32 /ea	92,093
Panelboard - 400A, 84-circuit	4.00 ea	11,737.76 /ea	46,951
Distribution panel - 400A	4.00 ea	20,479.32 /ea	81,917
Distribution panel - 600A	2.00 ea	26,352.04 /ea	52,704
Distribution panel - 800A	5.00 ea	35,523.48 /ea	177,617
Transformer (K-13) - floor/wall - 45kVA, 480V:208V	11.00 ea	8,590.50 /ea	94,496
Transformer (K-13) - floor/wall - 75kVA, 480V:208V	6.00 ea	11,637.72 /ea	69,826
Transformer (K-13) - floor/wall - 112.5kVA, 480V:208V	1.00 ea	13,972.34 /ea	13,972
Transformer (K-13) - floor - 225kVA, 480V:208V	1.00 ea	23,255.38 /ea	23,255
Trapeze mount for transformer	4.00 ea	657.21 /ea	2,629
UPS - 24KW/30kVA, 208V	1.00 ea	30,512.00 /ea	30,512
Engineered services - start-up assistance (manufacturer)	1.00 ea	4,320.96 /ea	4,321
Feeder pull box - 36"x36"x8"	0.00 ea	/ea	
Feeder (EMT/CU) - 20A	50.00 lf	8.78 /lf	439
Feeder (EMT/CU) - 60A	555.00 lf	20.03 /lf	11,114
Feeder (EMT/CU) - 100A	1,555.00 lf	27.56 /lf	42,849
Feeder (EMT/CU) - 150A	1,300.00 lf	35.97 /lf	46,759
Feeder (EMT/CU) - 200A	150.00 lf	43.88 /lf	6,581
Feeder (EMT/CU) - 225A	1,635.00 lf	62.45 /lf	102,105
Feeder (EMT/CU) - 250A	290.00 lf	72.85 /lf	21,127
Feeder (EMT/CU) - 400A	730.00 lf	108.09 /lf	78,904
Feeder (EMT/CU) - 800A	760.00 lf	202.78 /lf	154,114
Feeder (EMT/CU) - 1000A	35.00 lf	300.47 /lf	10,517
Empty conduit (EMT) - 1" @ BMS or IDF to PV Inverters	1,220.00 lf	7.28 /lf	8,879
M.I. Cable - 4-1/c #3 - 100A	890.00 lf	112.23 /lf	99,885
Roof PV system panel - future - EXCLUDED	1,002.00 EXC	/EXC	
Wall PV system panel - future - EXCLUDED	54.00 EXC	/EXC	
Inverter Feeders (EMT/CU) - 200A (490' = future) - EXCLUDED	0.00 EXC	/EXC	
Feeder (EMT/CU) - 600A	260.00 lf	155.54 /lf	40,440
<b>260508 Electrical Distribution</b>	<b>231,420.00 gsf</b>	<b>12.24 /gsf</b>	<b>2,831,915</b>
<b>260526 Grounding and Bonding for Electrical Systems</b>			
Building grounding and bonding	246,123.00 sf	0.12 /sf	29,535
Utility transformer grounding and bonding	1.00 ea	1,168.40 /ea	1,168
Generator grounding and bonding	1.00 ea	1,168.40 /ea	1,168
Dry-type transformer grounding and bonding	20.00 ea	234.04 /ea	4,681



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260526 Grounding and Bonding for Electrical Systems</b>	<b>231,420.00 gsf</b>	<b>0.16 /gsf</b>	<b>36,552</b>
<b>260583 Equipment Wiring</b>			
Mechanical power & connection	19,849.00 sf	1.30 /sf	25,804
Add for mechanical power & connection not detailed below	143,099.00 sf	2.34 /sf	334,852
Add for mechanical power & connection not detailed below	30,456.00 sf	1.92 /sf	58,597
Add for mechanical power & connection not detailed below	6,994.00 sf	1.30 /sf	9,092
Add for mechanical power & connection not detailed below	62,389.00 sf	0.78 /sf	48,663
MC Cable (12/2) - 20A	3,389.12 lf	3.75 /lf	12,709
MC Cable (12/2) - 20A	2,196.00 lf	3.75 /lf	8,235
MC Cable (12/2) - 20A	384.00 lf	3.75 /lf	1,440
MC Cable (10/2) - 20A	847.28 lf	4.71 /lf	3,991
MC Cable (10/2) - 20A	732.00 lf	4.71 /lf	3,448
MC Cable (10/2) - 20A	48.00 lf	4.71 /lf	226
Feeder (EMT/CU) - 20A	5,083.68 lf	7.95 /lf	40,392
Feeder (EMT/CU) - 20A	1,464.00 lf	7.95 /lf	11,632
Feeder (EMT/CU) - 20A	1,536.00 lf	7.95 /lf	12,204
Feeder (EMT/CU) - 30A	1,270.92 lf	8.55 /lf	10,868
Feeder (EMT/CU) - 30A	488.00 lf	8.55 /lf	4,173
Feeder (EMT/CU) - 30A	192.00 lf	8.55 /lf	1,642
Feeder (EMT/CU) - 60A	270.00 lf	15.51 /lf	4,187
Feeder (EMT/CU) - 60A	110.00 lf	15.51 /lf	1,706
Feeder (EMT/CU) - 100A	1,480.00 lf	21.67 /lf	32,070
Feeder (EMT/CU) - 100A	90.00 lf	21.67 /lf	1,950
Feeder (EMT/CU) - 150A	225.00 lf	28.36 /lf	6,380
Feeder (EMT/CU) - 150A	120.00 lf	28.36 /lf	3,403
Feeder (EMT/CU) - 200A	150.00 lf	33.70 /lf	5,055
Power for automatic temperature control panels - assumed qty	12.00 ea	448.81 /ea	5,386
Power for automatic temperature control panels - assumed qty	6.00 ea	448.81 /ea	2,693
Power for automatic temperature control panels - assumed qty	2.00 ea	448.81 /ea	898
Power for automatic temperature control panels - assumed qty	2.00 ea	448.81 /ea	898
Elevator connection - NF disco: 60A, 600V/3P	1.00 ea	1,068.88 /ea	1,069
Elevator connection - NF disco: 60A, 600V/3P	1.00 ea	1,068.88 /ea	1,069
Allow for kitchen equipment connections not detailed	1.00 AL	36,400.00 /ALW	36,400
	W		
Allow for kitchen equipment connections not detailed	1.00 AL	7,800.00 /ALW	7,800
	W		



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260583 Equipment Wiring</b>			
AHU - circuit / disconnect / connection	12.00 ea	1,904.70 /ea	22,856
AHU - circuit / disconnect / connection	1.00 ea	1,904.70 /ea	1,905
AHU - circuit / disconnect / connection	1.00 ea	1,904.70 /ea	1,905
VAV box power connection w/ snap switch (20A)	29.00 ea	565.53 /ea	16,400
VAV box power connection w/ snap switch (20A)	9.00 ea	565.53 /ea	5,090
VAV box power connection w/ snap switch (20A)	2.00 ea	565.53 /ea	1,131
CUH/UH - circuit / disconnect / connection	4.00 ea	511.39 /ea	2,046
Heat Pump Chiller HRC-1 - circuit / disconnect / connection	1.00 ea	1,373.80 /ea	1,374
Exhaust fan - circuit / disconnect / connection	2.00 ea	1,425.80 /ea	2,852
Exhaust fan - circuit / disconnect / connection	14.00 ea	1,425.80 /ea	19,961
Electronic trap primer power connection (120V)	10.00 ea	358.15 /ea	3,581
Electronic trap primer power connection (120V)	2.00 ea	358.15 /ea	716
Electric boiler power connection w/ N1 disco	1.00 ea	1,835.59 /ea	1,836
Water cooler / bottle filler power connection (20A)	14.00 ea	334.47 /ea	4,683
Water cooler / bottle filler power connection (20A)	4.00 ea	334.47 /ea	1,338
Mini-split AC system - circuit / service switch / connection	5.00 ea	920.68 /ea	4,603
Mini-split AC system - circuit / service switch / connection	1.00 ea	920.68 /ea	921
Mini-split AC system - circuit / service switch / connection	1.00 ea	920.68 /ea	921
Water heater point of use single sink (electric) - circuit / service switch / connection	91.00 ea	476.21 /ea	43,335
Water heater point of use double sink (electric) - circuit / service switch / connection	13.00 ea	584.02 /ea	7,592
Water heater 8 gal (electric) - circuit / service switch / connection	8.00 ea	644.83 /ea	5,159
Water heater 50 gal (electric) - circuit / service switch / connection	2.00 ea	998.00 /ea	1,996
Water heater 250 gal (electric) - circuit / service switch / connection	1.00 ea	2,177.14 /ea	2,177
Water heater 500 gal (electric) - circuit / service switch / connection	1.00 ea	3,012.15 /ea	3,012
Water heater point of use single sink (electric) - circuit / service switch / connection	25.00 ea	476.21 /ea	11,905
Water heater 50 gal (electric) - circuit / service switch / connection	2.00 ea	998.00 /ea	1,996
Boiler circulator pump - circuit / service switch / connection	1.00 ea	649.13 /ea	649
Misc pump - circuit / service switch / connection	8.00 ea	649.11 /ea	5,193
Misc pump - circuit / service switch / connection	3.00 ea	649.09 /ea	1,947
Misc pump - circuit / service switch / connection	1.00 ea	649.13 /ea	649
Power and controls to OH doors	2.00 ea	1,872.01 /ea	3,744
Misc pump - circuit / service switch / connection	(1.00) ea	649.09 /ea	(649)



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>260583 Equipment Wiring</b>			
Elevator sump pump - circuit / disconnect (3R) / connection	1.00 ea	1,368.80 /ea	1,369
Elevator sump pump - circuit / disconnect (3R) / connection	1.00 ea	1,368.80 /ea	1,369
Acid neut. system power connection w/ N1 disco (30A)	12.00 ea	1,390.56 /ea	16,687
Acid neut. system power connection w/ N1 disco (30A)	7.00 ea	1,390.57 /ea	9,734
Power and controls to OH grille at cafeteria	1.00 ea	1,871.93 /ea	1,872
<b>260583 Equipment Wiring</b>	<b>231,420.00 gsf</b>	<b>3.94 /gsf</b>	<b>912,785</b>
<b>260923 Lighting Control Devices</b>			
Add for lighting controls & branch wiring not shown	231,420.00 sf	0.75 /sf	173,565
Single pole switch - 20A, 1-gang	12.00 ea	120.20 /ea	1,442
L(a) - ALCS local station	235.00 ea	247.32 /ea	58,121
Occupancy sensor, ceiling mounted	518.00 ea	374.77 /ea	194,130
Light sensing photocell	52.00 ea	342.89 /ea	17,830
MC cable (12/2) - 20A	13,889.00 lf	3.99 /lf	55,469
MC cable (12/3) - 20A	2,451.00 lf	4.70 /lf	11,523
EMT (12/2) - 20A	3,472.25 lf	7.63 /lf	26,494
EMT (12/3) - 20A	612.75 lf	8.20 /lf	5,026
<b>260923 Lighting Control Devices</b>	<b>231,420.00 gsf</b>	<b>2.35 /gsf</b>	<b>543,600</b>
<b>262726 Wiring Devices</b>			
Add for occupancy controls @ receptacles	231,420.00 sf	1.50 /sf	347,130
MC cable (12/2) - 20A	27,302.40 lf	3.99 /lf	109,038
MC cable (12/3) - 20A	5,460.48 lf	4.70 /lf	25,672
MC cable (10/2) - 30A	3,640.32 lf	4.53 /lf	16,488
EMT (12/2) - 20A	6,825.60 lf	7.63 /lf	52,080
EMT (12/3) - 20A	1,365.12 lf	8.20 /lf	11,197
EMT (10/2) - 30A	910.08 lf	8.18 /lf	7,444
Duplex receptacle - 20A	312.00 ea	83.26 /ea	25,976
Duplex receptacle - 20A - controlled	534.00 ea	93.32 /ea	49,830
Duplex receptacle - 20A - GFCI	102.00 ea	106.43 /ea	10,855
Duplex receptacle - 20A - GFCI - controlled	136.00 ea	111.35 /ea	15,144
Duplex receptacle - 20A - GFCI - W.P.	47.00 ea	141.68 /ea	6,659
Twist-lock receptacle - 20A - L5-20R	1.00 ea	119.28 /ea	119
Quadruplex receptacle - 20A	13.00 ea	111.32 /ea	1,447
Quadruplex receptacle - 20A - controlled	249.00 ea	127.54 /ea	31,757
Special receptacle - 30A - 14-30R (kiln)	1.00 ea	128.29 /ea	128
Junction box - 4" sq. w/ cover and whip	8.00 ea	119.30 /ea	954
Poke-thru - 1 gang	1.00 ea	864.30 /ea	864
Poke-thru - 3 gang	4.00 ea	1,409.07 /ea	5,636
Poke-thru - 4 gang	2.00 ea	1,646.83 /ea	3,294



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>262726 Wiring Devices</b>			
Cord reel (20A) w/ quad receptacle	12.00 ea	808.55 /ea	9,703
<b>262726 Wiring Devices</b>	<b>231,420.00 gsf</b>	<b>3.16 /gsf</b>	<b>731,416</b>
<b>263200 Packaged Generator Assemblies</b>			
Diesel generator - 750kW	1.00 ea	550,000.00 /ea	550,000
Annunciator panel circuitry (EMT - 37#14)	100.00 lf	60.99 /lf	6,099
Generator annunciator panel	1.00 ea	1,384.70 /ea	1,385
Diesel fuel for test & fill = per gallon (assumes 24hrs standby + 8 hrs testing)	1,680.00 ea	7.54 /ea	12,667
Testing and start-up	1.00 ea	1,707.60 /ea	1,708
Generator rigging/crane (on grade - 500kW - 1000kW)	1.00 ea	11,231.44 /ea	11,231
Interlock / Camlock quick connect box - NEMA-3R	1.00 ea	10,836.92 /ea	10,837
Belly tank	1,200.00 gal	20.00 /gal	24,000
<b>263200 Packaged Generator Assemblies</b>	<b>231,420.00 kw</b>	<b>2.67 /kw</b>	<b>617,926</b>
<b>263343 Electric Vehicle Charging</b>			
EV charging station, dual connector, pedestal mounted	1.00 ea	13,820.03 /ea	13,820
EV charging station, dual connector, wall mounted	13.00 ea	12,906.55 /ea	167,785
Data cabling to EV stations	2,240.00 lf	6.42 /lf	14,380
Feeder (EMT/CU) - 40A	2,240.00 lf	9.57 /lf	21,432
Conduit EV ready - home runs rqrd for each	2,100.00 lf	3.38 /lf	7,098
<b>263343 Electric Vehicle Charging</b>	<b>231,420.00 ea</b>	<b>0.97 /ea</b>	<b>224,515</b>
<b>263600 Transfer Switches</b>			
ATS-LS - 260A, 3-phase, no bypass isolation	1.00 ea	12,417.44 /ea	12,417
ATS-OS - 2000A, 3-phase, no bypass isolation	1.00 ea	63,390.04 /ea	63,390
MTS - 400A, 480V, 3-phase, NEMA-3R @ Firepump (by others)	1.00 ea	1,427.74 /ea	1,428
<b>263600 Transfer Switches</b>	<b>231,420.00 gsf</b>	<b>0.33 /gsf</b>	<b>77,235</b>
<b>264000 Lightning Protection</b>			
UL certified LP subcontractor (roof area)	72,576.00 sf	0.81 /sf	58,874
Ground rods	24.00 ea	253.49 /ea	6,084
1" PVC conduit w/ pullstring - downleads	330.00 lf	13.81 /lf	4,557
Bare copper wire - #6 - downleads	450.00 lf	1.05 /lf	474
<b>264000 Lightning Protection</b>	<b>231,420.00 gsf</b>	<b>0.30 /gsf</b>	<b>69,988</b>
<b>265000 Lighting</b>			
VENDOR BUDGET - Interior Light Fixtures	1.00 lot	##### /lot	1,750,000
F1 - 3"D susp cyl dn lt	25.00 ea	130.76 /ea	3,269



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>265000 Lighting</b>			
F18 - susp round pendant	40.00 ea	130.76 /ea	5,231
F1A - 3"D susp cyl dn lt	29.00 ea	130.76 /ea	3,792
F11B - 1'x4' rec lay-in	14.00 ea	86.97 /ea	1,218
F2 - 3"D rec dn lt	203.00 ea	97.23 /ea	19,737
F2A - 3"D rec dn lt	2.00 ea	97.23 /ea	194
F11 - 2'x2' rec lay-in	165.00 ea	88.97 /ea	14,679
F11A - 2'x2' rec lay-in	25.00 ea	88.97 /ea	2,224
F2B - 3"D rec dn lt	6.00 ea	97.23 /ea	583
F2C - 3"D rec dn lt	251.00 ea	97.23 /ea	24,404
F2D - 3"D rec dn l	55.00 ea	97.23 /ea	5,347
F2E - 3"D rec dn lt	81.00 ea	97.23 /ea	7,875
F2F - 3"D rec adj dn lt	28.00 ea	107.49 /ea	3,010
F3 - 4'L - 3"W rec linear fixture	222.00 ea	130.13 /ea	28,889
F3 - 6'L - 3"W rec linear fixture	17.00 ea	151.91 /ea	2,582
F3B - 6'L - 3"W rec linear fixture	9.00 ea	151.91 /ea	1,367
LS4 - 4' wrap around	60.00 ea	94.60 /ea	5,676
LS4H - 4' wrap around	2.00 ea	94.60 /ea	189
LS8 - 4' WP utility fixture	83.00 ea	94.97 /ea	7,882
LS2 - 2' industrial strip ?	4.00 ea	79.20 /ea	317
F19 - 8' industrial strip	6.00 ea	112.62 /ea	676
D4 - wall sconce	2.00 ea	117.62 /ea	235
EX2 - recessed downlight	23.00 ea	97.23 /ea	2,236
EX2A - recessed downlight	3.00 ea	97.23 /ea	292
F17 - rec step light	45.00 ea	117.62 /ea	5,293
EX1 - wall mounted downlight	3.00 ea	117.62 /ea	353
EX1A - wall mounted downlight	3.00 ea	117.62 /ea	353
EX9 - bldg mtd floodlight	10.00 ea	178.93 /ea	1,789
F7 - 18" susp round pendant	40.00 ea	153.41 /ea	6,136
D1 - 72" susp dec cluster pendant	1.00 ea	895.96 /ea	896
D2 - susp dec cluster pendant	19.00 ea	173.93 /ea	3,305
D3 - susp dec cluster pendant	5.00 ea	459.83 /ea	2,299
D6 - susp dec pendant	3.00 ea	173.93 /ea	522
EX3 - susp dec pendant	15.00 ea	173.93 /ea	2,609
F3A - 3"W recessed linear - per ft - 40 pcs	345.00 lf	35.21 /lf	12,146
F4 - 3"W perimeter slot - per ft - 12 pcs	237.00 lf	35.21 /lf	8,344
F4A - 3"W perimeter slot - per ft - 5 pcs	73.00 lf	35.21 /lf	2,570
F3C - 3"W recessed linear - per ft - 14 pcs	71.00 lf	35.21 /lf	2,500
D5 - clg mtd dec linear - 4 pcs	40.00 lf	52.31 /lf	2,092
F6 - 3"W pendant mounted linear - 1 pcs	54.00 lf	52.31 /lf	2,825
F6A - 3"W pendant mounted linear - 210 pcs	3,000.00 lf	52.31 /lf	156,930



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>265000 Lighting</b>			
F6B - 3"W pendant mounted linear - pcs - 8 pcs	80.00 lf	52.31 /lf	4,185
F5 - 3"W wall mounted linear - 1 pcs	28.00 lf	26.66 /lf	746
F5A - 3"W wall mounted linear - 1 pcs	62.00 lf	26.66 /lf	1,653
F10 - 3"W wall mounted linear - 48 pcs	364.00 lf	26.66 /lf	9,702
F12 - surf mounted linear uplight - 7 pcs	146.00 lf	26.66 /lf	3,892
F13 - table mounted arm fixture - linear on drwgs (?) - 5 pcs	42.00 lf	26.66 /lf	1,120
F14 - surf mounted linear uplight - 4 pcs	60.00 lf	26.66 /lf	1,599
F14A - surf mounted linear uplight - 10 pcs	100.00 lf	26.66 /lf	2,666
F15 - surf mounted linear grazier - 10 pcs	160.00 lf	26.66 /lf	4,265
F3 - misc linear pieces - 13 pcs	128.00 lf	26.66 /lf	3,412
F20 - wall washer linear - 3 pcs	34.00 lf	26.66 /lf	906
F16 - tape & channel linear - 1 pcs	14.00 lf	27.66 /lf	387
F8 - track light - ftg - 41 pcs	525.00 lf	27.66 /lf	14,519
EX11 - signage light linear - 2 pcs	53.00 lf	27.66 /lf	1,466
F9 - 4' track mtd	31.00 ea	77.97 /ea	2,417
F8A - track head	7.00 ea	62.57 /ea	438
F9A - track head	37.00 ea	62.57 /ea	2,315
SL1 - parking garage clg mtd fixture	87.00 ea	143.28 /ea	12,465
MC cable (12/2) - 20A	29,466.53 lf	3.99 /lf	117,681
MC cable (12/3) - 20A	5,893.31 lf	4.70 /lf	27,707
MC cable (10/2) - 30A	39,288.70 lf	4.53 /lf	177,952
EMT (12/2) - 20A	520.00 lf	7.63 /lf	3,968
EMT (12/3) - 20A	1,040.00 lf	8.20 /lf	8,530
EMT (10/2) - 30A	693.33 lf	8.18 /lf	5,671
<b>265000 Lighting</b>	<b>231,420.00 gsf</b>	<b>10.86 /gsf</b>	<b>2,512,528</b>
<b>265561 Theatrical Lighting</b>			
VENDOR BUDGET - theatrical lighting controls Port	1.00 lot	99,642.00 /lot	99,642
VENDOR BUDGET - theatrical lighting Port	1.00 lot	72,282.00 /lot	72,282
Installation of lights and rigging	1.00 ls	55,000.00 /ls	55,000
<b>265561 Theatrical Lighting</b>	<b>214,600.00 gsf</b>	<b>1.06 /gsf</b>	<b>226,924</b>
<b>265600 Exterior Lighting</b>			
<i>Remove, salvage and relocate - street light</i>	0.00 ea	/ea	
<i>Remove, salvage and reinstall - street light</i>	0.00 ea	/ea	
EX8 - lights at steps, formed into conc	22.00 ea	942.11 /ea	20,726
EX4 - pedestrian light pole 14'h	34.00 ea	4,562.50 /ea	155,125
EX6 - pedestrian bollard - 8" diam	6.00 ea	3,642.50 /ea	21,855
EX5 - pole light, with 3 heads - 25'h	3.00 ea	5,149.99 /ea	15,450
EX7 - light pods in continous hand rail LED	146.00 lf	27.08 /lf	3,953
EX10 - bus canopy surface mounted	8.00 ea	475.01 /ea	3,800



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>265600 Exterior Lighting</b>			
Replace exterior wall mtg lights on historic bldg	6.00 ea	1,210.00 /ea	7,260
3/4" PVC - 20A (2#12 & #12G)	1,170.00 lf	7.95 /lf	9,301
1" PVC - 30A (3#8 & #10G)	3,042.00 lf	11.84 /lf	36,020
1" PVC - 50A (3#6 & #10G)	468.00 lf	13.31 /lf	6,227
<b>265600 Exterior Lighting</b>	<b>231,420.00 gsf</b>	<b>1.21 /gsf</b>	<b>279,718</b>
<b>269010 Low Voltage Conduit &amp; Boxes</b>			
Tel/data Backbox (1-gang) w/ 1" EMT above ceiling	634.00 ea	123.94 /ea	78,576
Tel/data Backbox (2-gang) w/ 1" EMT above ceiling	64.00 ea	124.36 /ea	7,959
Tel/data Plywood backboard - 3/4" w/ fire retardant paint	140.00 lf	117.10 /lf	16,393
AV Backbox (1-gang) w/ 3/4" EMT above ceiling	8.10 ea	137.95 /ea	1,117
AV Backbox (1-gang) w/ 1" EMT above ceiling	18.90 ea	123.94 /ea	2,342
AV Backbox (2-gang) w/ 3/4" EMT above ceiling	24.30 ea	109.69 /ea	2,666
AV Backbox (2-gang) w/ 1" EMT above ceiling	56.70 ea	124.36 /ea	7,051
AV Empty conduit (EMT) - 3/4"	640.00 lf	5.78 /lf	3,697
AV Empty conduit (EMT) - 1"	1,520.00 lf	7.28 /lf	11,062
AV Empty conduit (EMT) - 1-1/4"	120.00 lf	9.48 /lf	1,137
PA system - Empty conduit (EMT) - 3/4" - misc sleeves + risers only	515.63 lf	5.78 /lf	2,978
PA system - Empty conduit (EMT) - 1" - misc sleeves + risers only	171.88 lf	7.28 /lf	1,251
Access control - Backbox (1-gang) w/ 3/4" EMT above ceiling	358.00 ea	190.00 /ea	68,020
Intercom Empty conduit (EMT) - 1"	80.00 lf	8.12 /lf	650
Video surveillance - Empty conduit (EMT) - 1" - misc sleeves & risers only	390.00 lf	7.28 /lf	2,838
<b>269010 Low Voltage Conduit &amp; Boxes</b>	<b>231,420.00 gsf</b>	<b>0.90 /gsf</b>	<b>207,737</b>
<b>270001 Voice/Data/CATV</b>			
<i>Technology Budget - GGD \$'s</i>	<i>0.00 lot</i>	<i>/lot</i>	
MDF Fitout	1.00 ls	18,000.00 /ls	18,000
IDF Fitout	4.00 ls	12,000.00 /ls	48,000
Telcom service entry empty conduits - sch 40 PVC - 4 x 4"	300.00 lf	34.11 /lf	10,234
RJ-45 jack/termination and faceplate, 1 port	100.00 ea	27.37 /ea	2,737
RJ-45 jack/termination and faceplate, 2 port	345.00 ea	223.77 /ea	77,199
RJ-45 jack/termination and faceplate, 3 port	62.00 ea	152.61 /ea	9,462
RJ-45 jack/termination and faceplate, 4 port	3.00 ea	117.03 /ea	351
Communication cable - (1) CAT-6/6A	100.00 ea	298.94 /ea	29,894
Communication cable - (2) CAT-6/6A	345.00 ea	536.91 /ea	185,232
Data wiring to non-plenum cable	(5,000.00) ea	1.50 /ea	(7,500)
Communication cable - (3) CAT-6/6A	62.00 ea	768.78 /ea	47,664
Communication cable - (4) CAT-6/6A	3.00 ea	971.38 /ea	2,914



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>270001 Voice/Data/CATV</b>			
Wireless access point - qty + \$'s = per budget doc	74.00 ea	1,398.91 /ea	103,520
Printer Budget - qty + \$'s = per budget doc	4.00 ea	3,400.00 /ea	13,600
Workstation Budget - qty + \$'s = per budget doc	168.00 ea	1,310.72 /ea	220,201
Telcom Server - qty + \$'s = per budget doc	1.00 ea	90,000.00 /ea	90,000
Network switches - qty + \$'s = per budget doc	5.00 ea	52,000.00 /ea	260,000
Telecommunication testing, labeling, and documentation	231,420.00 sf	0.25 /sf	57,855
<b>270001 Voice/Data/CATV</b>	<b>231,420.00 gsf</b>	<b>5.05 /gsf</b>	<b>1,169,363</b>
<b>274000 Audio-Visual Communication System</b>			
Adjust to Vendor: AV/Audio-visual system budget (DGI)	1.00 lot	227,939.00 /lot	227,939
Adjust to Vendor: AV/Audio-visual system budget (Owner budget)	1.00 lot	47,000.00 /lot	47,000
Microphone, ceiling mount	15.00 ea	740.39 /ea	11,106
AV Speaker, ceiling mount	26.00 ea	715.59 /ea	18,605
AV Speaker, ceiling pendant mount	4.00 ea	1,136.93 /ea	4,548
AV Speaker, ceiling mount @ gym	18.00 ea	2,790.47 /ea	50,228
AV Speaker, wall mount	6.00 ea	678.09 /ea	4,069
AV Speaker, clg mtd sub woofer	2.00 ea	2,171.94 /ea	4,344
Ceiling mtd projector	1.00 ea	9,783.12 /ea	9,783
Ceiling projector mounting box	1.00 ea	1,372.32 /ea	1,372
Wall mtd display enclosure	3.00 ea	4,430.24 /ea	13,291
Television / display - 65" diagonal, 4K UHD	1.00 ea	2,698.09 /ea	2,698
Television / display - 75" diagonal, 4K UHD	1.00 ea	4,391.93 /ea	4,392
Television / display - 85" diagonal, 4K UHD	2.00 ea	6,725.78 /ea	13,452
AV portable audio cart	2.00 ea	5,897.89 /ea	11,796
Wall mtd speaker controller	4.00 ea	490.02 /ea	1,960
Wall mtd AV Touch Panel	5.00 ea	5,069.43 /ea	25,347
Wall mtd AV Antenna	2.00 ea	876.32 /ea	1,753
Misc Wall mtd AV wallplate TBD	2.00 ea	89.05 /ea	178
Wall mtd AV Bluetooth wall plate	1.00 ea	2,294.63 /ea	2,295
Equipment rack (empty)	5.00 ea	2,087.34 /ea	10,437
AV Audio console	2.00 ea	3,230.61 /ea	6,461
HDMI AV wallplate	4.00 ea	66.70 /ea	267
Power connection + switch @ projection screen by others	1.00 ea	309.82 /ea	310
Speaker cable - 18/2c	5,775.00 lf	2.64 /lf	15,216
Misc AV cabling	3,875.00 lf	4.67 /lf	18,090
HDMI cable - 4K resolution, 18Gbps	500.00 lf	9.77 /lf	4,885
System testing - labelling + instruction	1.00 lot	3,751.28 /lot	3,751
<b>274000 Audio-Visual Communication System</b>	<b>231,420.00 gsf</b>	<b>2.23 /gsf</b>	<b>515,571</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>275000 Public Address</b>			
<i>Public address system (s.f.)</i>	<i>0.00 sf</i>	<i>/sf</i>	
Desk microphone - assumed qty	4.00 ea	307.80 /ea	1,231
Volume control - assumed qty	12.00 ea	111.13 /ea	1,334
Speaker, wall mounted	28.00 ea	387.18 /ea	10,841
Speaker, wall mounted WP	9.00 ea	510.67 /ea	4,596
Speaker, ceiling mounted	186.00 ea	316.49 /ea	58,866
Speaker, ceiling pendant mounted	29.00 ea	559.61 /ea	16,229
Speaker, ceiling mounted WP	8.00 ea	437.97 /ea	3,504
Public address amplifier	1.00 ea	825.08 /ea	825
UPS battery backup	1.00 ea	822.16 /ea	822
Paging control station	1.00 ea	5,089.12 /ea	5,089
Public address main console	1.00 ea	121,224.68 /ea	121,225
Public address speaker cable	20,700.00 lf	5.56 /lf	115,049
Connect to existing public address system head end	1.00 ea	456.17 /ea	456
Public address system testing	1.00 ea	1,836.89 /ea	1,837
<b>275000 Public Address</b>	<b>231,420.00 gsf</b>	<b>1.48 /gsf</b>	<b>341,903</b>
<b>275300 Master Clock System</b>			
Single face clock - wireless, battery operated	123.00 ea	225.00 /ea	27,675
Master clock antenna	1.00 ea	2,426.95 /ea	2,427
Signal generator / repeater	4.00 ea	1,120.21 /ea	4,481
Wire guard	2.00 ea	74.89 /ea	150
Master clock programming testing - licensing	1.00 ls	3,866.24 /ls	3,866
<b>275300 Master Clock System</b>	<b>231,420.00 gsf</b>	<b>0.17 /gsf</b>	<b>38,599</b>
<b>275319 Distributed Antenna System</b>			
Distributed antenna system (DAS) - passive - coax w/ amplifiers	231,420.00 sf	0.42 /sf	96,271
<b>275319 Distributed Antenna System</b>	<b>231,420.00 gsf</b>	<b>0.42 /gsf</b>	<b>96,271</b>
<b>281000 Integrated Security System</b>			
Motion detector - 360D	64.00 ea	594.49 /ea	38,047
Card reader	36.00 ea	708.01 /ea	25,488
Door contact switch	69.00 ea	184.05 /ea	12,699
Panic/Duress button	4.00 ea	200.99 /ea	804
Ext WP Security Alarm Beacon	1.00 ea	398.48 /ea	398
Request to exit motion sensor	58.00 ea	857.78 /ea	49,751
Door control power junction box w/switch	33.00 ea	293.50 /ea	9,685
Electric lockset - connect FBO	33.00 ea	267.13 /ea	8,815
Electric hinge - connect FBO	58.00 ea	298.48 /ea	17,312



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>281000 Integrated Security System</b>			
Door release button	1.00 ea	334.59 /ea	335
Access control panel	1.00 ea	11,149.97 /ea	11,150
Intrusion detection panel	1.00 ea	10,200.04 /ea	10,200
Access control composite cable	23,270.00 lf	4.35 /lf	101,139
Cisco 9300 POE front end switches	5.00 ls	9,500.02 /ls	47,500
<b>281000 Integrated Security System</b>	<b>231,420.00 gsf</b>	<b>1.44 /gsf</b>	<b>333,324</b>
<b>281523 Video Security</b>			
Video-Intercom call box / entry station	4.00 ea	570.01 /ea	2,280
Video intercom master station	1.00 ea	9,796.05 /ea	9,796
Video intercom power supply	1.00 ea	393.85 /ea	394
Communications cable: (1) CAT-6/6A <i>Video surveillance system (s.f.)</i>	4.00 ea 0.00 sf	397.09 /ea /sf	1,588
Dome I.P. camera - interior - fixed	72.00 ea	607.98 /ea	43,774
Dome I.P. camera - interior - fixed	(48.00) ea	607.98 /ea	(29,183)
Dome I.P. camera - interior - 360 deg.	5.00 ea	1,113.71 /ea	5,569
Dome I.P. camera - interior - 360 deg.	(5.00) ea	1,113.71 /ea	(5,569)
Dome I.P. camera - exterior - fixed	15.00 ea	759.95 /ea	11,399
Camera monitoring station	1.00 ea	1,741.56 /ea	1,742
Network video recorder (servers)	2.00 ea	19,500.03 /ea	39,000
Licenses for cameras	92.00 ea	180.00 /ea	16,560
Licenses for cameras	(53.00) ea	180.00 /ea	(9,540)
PTZ camera controller	2.00 ea	545.78 /ea	1,092
Color monitor (19") - assumed qty	3.00 ea	1,518.01 /ea	4,554
Communication cable - (1) CAT-6/6A	97.00 ea	298.94 /ea	28,997
Communication cable - (1) CAT-6/6A	(53.00) ea	298.94 /ea	(15,844)
Video surveillance software and licensing	1.00 ea	4,493.80 /ea	4,494
Video surveillance programming and testing	1.00 ea	5,516.99 /ea	5,517
<b>281523 Video Security</b>	<b>231,420.00 gsf</b>	<b>0.50 /gsf</b>	<b>116,620</b>
<b>284620 Fire Detection and Alarm</b>			
Fire alarm system - proprietary vendor	1.00 lot	25,000.00 /lot	25,000
Additional fire alarm system devices / wiring	231,420.00 sf	1.00 /sf	231,420
Manual pull station	40.00 ea	330.62 /ea	13,225
Smoke detector	172.00 ea	361.61 /ea	62,197
Smoke detector w/ elevator recall	3.00 ea	489.99 /ea	1,470
Heat detector	1.00 ea	314.38 /ea	314
Carbon monoxide detector	9.00 ea	379.89 /ea	3,419
Remote alarm indicator	14.00 ea	166.16 /ea	2,326
Control module	23.00 ea	307.35 /ea	7,069
Monitor module	13.00 ea	218.27 /ea	2,838



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>284620 Fire Detection and Alarm</b>			
Strobe only - wall mtd - mass notification	2.00 ea	214.49 /ea	429
Strobe only - wall	23.00 ea	214.49 /ea	4,933
Strobe only - ceiling mtd - mass notification	272.00 ea	191.89 /ea	52,194
Speaker/strobe - wall mtd - mass notification	127.00 ea	362.06 /ea	45,981
Speaker/strobe - ceiling	271.00 ea	285.06 /ea	77,250
Exterior beacon, weatherproof	2.00 ea	452.54 /ea	905
Wire sprinkler bell (120V)	1.00 ea	290.09 /ea	290
Fire alarm terminal cabinet	7.00 ea	757.29 /ea	5,301
Remote annunciator	5.00 ea	1,381.27 /ea	6,906
Fire alarm control panel	1.00 ea	26,307.20 /ea	26,307
Masterbox	2.00 ea	8,199.37 /ea	16,399
Key (Knox) box	2.00 ea	889.45 /ea	1,779
Drill switch	1.00 ea	180.16 /ea	180
Generator monitoring control panel	1.00 ea	660.90 /ea	661
Fire pump / jockey pump - wiring (SLC)	1.00 ea	3,257.45 /ea	3,257
MC cable (FA) - #14-2/c	15,490.80 lf	4.67 /lf	72,282
MC cable (FA) - #14-4/c	23,236.20 lf	5.92 /lf	137,444
EMT (red) - 3/4"C w/ #14-2/c	8,341.20 lf	9.09 /lf	75,786
EMT (red) - 3/4"C w/ #14-4/c	12,511.80 lf	9.20 /lf	115,058
<b>284620 Fire Detection and Alarm</b>	<b>231,420.00 gsf</b>	<b>4.29 /gsf</b>	<b>992,620</b>
<b>284624 Bi-Directional Amplifier (BDA)</b>			
Furnish controller, antennas, cabling, components - historic	231,420.00 sf	0.42 /sf	96,271
Installation of BDA system	231,420.00 sf	0.11 /sf	25,998
Minor material for BDA system	231,420.00 sf	0.25 /sf	57,855
Lightning protection unit	1.00 ea	2,796.44 /ea	2,796
<b>284624 Bi-Directional Amplifier (BDA)</b>	<b>231,420.00 gsf</b>	<b>0.79 /gsf</b>	<b>182,920</b>
<b>284800 Emergency Blue Phone</b>			
Emergency blue phone station	6.00 ea	3,885.15 /ea	23,311
Feeder (PVC/CU) - 30A	450.00 lf	8.29 /lf	3,732
<b>284800 Emergency Blue Phone</b>	<b>231,420.00 gsf</b>	<b>0.12 /gsf</b>	<b>27,043</b>
<b>26-01 ELECTRICAL (TS)</b>	<b>246,123.00 gsf</b>	<b>57.48 /gsf</b>	<b>14,147,756</b>

**26-02 PHOTOVOLTAIC**

**263100 Photovoltaic Collectors**

PV panels @ parking dropoff canopies (existing ?) - EXCLUDED  
EL Narrative PV system size = 500KW (EL Riser = 2x 11.34KW ?)

0.00 EXC /EXC  
- watt 0.00 /watt 0



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>26-02 PHOTOVOLTAIC</b>	<b>246,123.00 gsf</b>	<b>/gsf</b>	
<b>31.22 SITEWORK</b>			
<b>000000 Area Summary - Proposed</b>			
Total disturbed area	147,780.00 sf	/sf	
Historic building	10,270.00 sf	/sf	
Historic building addition	1,300.00 sf	/sf	
New school Foundation	55,920.00 sf	/sf	
PA-01 asphalt paving	12,250.00 sf	/sf	
PA-11,12 conc walk - pedestrian	19,370.00 sf	/sf	
PA-20,21 - unit pavers on conc	3,120.00 sf	/sf	
PA-30 Permeable Pavers	4,150.00 sf	/sf	
PA-40 Stone dust	1,180.00 sf	/sf	
PA-50 play surface	5,110.00 sf	/sf	
PA-70 pavers on pedestals	5,560.00 sf	/sf	
SP-01 structural soil (2,400 sf under conc pavement)	0.00 sf	0.00 /sf	0
SP-02,03 Lawns and groundcover	6,190.00 sf	/sf	
SP -04, 05 Planting beds	18,310.00 sf	/sf	
SP -06 Bioretention soils	2,620.00 sf	/sf	
ST-01 concrete steps	680.00 sf	/sf	
ST-10 concrete seating steps	760.00 sf	/sf	
Disturbed area adjacent to Library	6,300.00 sf	0.00 /sf	0
New school buried under green roof	(5,560.00) sf	/sf	
<b>000000 Area Summary - Proposed</b>	<b>147,780.00 sf</b>	<b>/sf</b>	
<b>000001 Area Summary - Existing</b>			
Total disturbed area	140,615.00 sf	/sf	
Historic building	10,265.00 sf	/sf	
Existing building (ground level)	50,500.00 sf	/sf	
Lawns and planting beds	26,000.00 sf	/sf	
Bituminous on School Street	3,300.00 sf	/sf	
Bituminous driveways	10,300.00 sf	/sf	
Play surfacing	1,300.00 sf	/sf	
Synthetic turf	1,800.00 sf	/sf	
Concrete walks, stairs, pavers	33,150.00 sf	0.00 /sf	0
Disturbed area adjacent to Library	4,000.00 sf	/sf	
<b>000001 Area Summary - Existing</b>	<b>140,615.00 sf</b>	<b>/sf</b>	
<b>310000 Site Misc</b>			
Equipment mobilization, general requirements - phase 2	1.00 ls	30,000.00 /ls	30,000
Survey/layout - phase 2	30.00 wk	1,410.80 /wk	42,324
Police details - for use by site contractor during trucking & utilities - phase 2	30.00 dy	900.00 /dy	27,000
Street sweeping - site phase 2	20.00 dy	1,600.00 /dy	32,000
Temporary site signage - phase 2	1.00 ls	11,600.00 /ls	11,600
Adjust	(1.00) ls	100,000.00 /ls	(100,000)
<b>310000 Site Misc</b>	<b>140,615.00 sf</b>	<b>0.31 /sf</b>	<b>42,924</b>
<b>312000 Earthwork outside Building Footprint</b>			
Cut to subgrade outside building footprint	2,059.00 cy	32.00 /cy	65,888
Fill to subgrade with offsite outside building footprint	9,001.00 cy	60.32 /cy	542,940
Additional cut at slopes to allow for SOE and formwork	2,202.00 cy	32.00 /cy	70,464
Offsite fill to replace above +25%	2,752.50 cy	60.00 /cy	165,150
Rough grade	55,920.00 sf	0.16 /sf	8,956



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>312000 Earthwork outside Building Footprint</b>			
Allowance for rock	250.00 cy	400.00 /cy	100,000
<b>312000 Earthwork outside Building Footprint</b>	<b>73,125.00 sf</b>	<b>13.04 /sf</b>	<b>953,398</b>
<b>312002 Earthwork within Building Footprint - School/Garage</b>			
Cut to subgrade within building footprint	2,154.00 cy	32.00 /cy	68,928
Additional cuts for footings	2,725.00 cy	40.00 /cy	109,000
Additional cuts for pits, misc	200.00 cy	40.00 /cy	8,000
Fill from offsite with building footprint	1,914.00 cy	58.00 /cy	111,012
Fill from offsite around footings - 1,635 +25%	2,043.75 cy	58.00 /cy	118,538
Excavate/backfill for cont footings	1,320.00 lf	90.00 /lf	118,800
Excavate final 6" +/- for column footings - 121 x	130.00 ea	416.00 /ea	54,080
Excavate for elevator/sump pits	5.00 ea	3,450.00 /ea	17,250
Stone below SOG (12" +25%)	4,370.97 tn	48.00 /tn	209,807
Fine grade under building - lower elev	55,920.00 sf	1.00 /sf	55,920
Fine grade under building - historic building infill	1,300.00 sf	1.00 /sf	1,300
Stone beneath cont footing (6"+40%)	160.00 tn	43.68 /tn	6,989
Stone beneath column footing (6"+40%)	464.00 tn	43.68 /tn	20,268
E/B for underslab plumbing	1,000.00 lf	50.00 /lf	50,000
Allowance for obstructions at building	1.00 ls	100,000.00 /ls	100,000
Remove and replace fill at historic areaway	1.00 ls	20,000.00 /ls	20,000
<b>312002 Earthwork within Building Footprint - School/Garage</b>	<b>67,490.00 sf</b>	<b>15.85 /sf</b>	<b>1,069,890</b>
<b>312008 Site Contractor Support of Geothermal Wells</b>			
<i>Site contractor for support of geothermal well operations, including spoil management</i>	0.00 ea	0.00 /ea	0
Excav, bkfl, sand for well lateral trenches - w/above	80.00 ea	6,000.00 /ea	480,000
<b>312008 Site Contractor Support of Geothermal Wells</b>	<b>80.00 ea</b>	<b>6,000.00 /ea</b>	<b>480,000</b>
<b>312009 Rammed Aggregate Piers</b>			
Allowance to cut additional fill - average 24"	58,420.00 sf	28.00 /sf	1,635,760
<b>312009 Rammed Aggregate Piers</b>	<b>5,040.00 sf</b>	<b>324.56 /sf</b>	<b>1,635,760</b>
<b>312319 Dewatering</b>			
<i>Settlement tanks - during well drilling</i>	0.00 mo	0.00 /mo	0
Settlement tanks - other than well drilling	9.00 mo	15,600.00 /mo	140,400
Water treatment allowance - no wells	1.00 allw	78,000.00 /allw	78,000
<b>312319 Dewatering</b>	<b>140,615.00 sf</b>	<b>1.55 /sf</b>	<b>218,400</b>
<b>312900 Management &amp; Disposal of Soils</b>			
<i>Cut from outside building</i>	2,059.00 cy	/cy	
<i>Cut from inside building</i>	5,079.00 cy	/cy	
<i>Cut from excavation between foundation and SOE</i>	2,202.00 cy	/cy	
<i>Cut from utilities</i>	600.00 cy	/cy	
<i>Total Cut</i>	9,940.00 cy	/cy	



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>312900 Management &amp; Disposal of Soils</b>			
<i>Total cut in tons</i>	16,401.00 tns	/tns	
Dispose of MCP Regulated Soil-Type A Mass Lined Landfill (50%)	8,200.00 tns	67.60 /tns	554,320
Haul and dispose - RCS <1 (50%)	8,200.00 tns	31.00 /tns	254,200
<b>312900 Management &amp; Disposal of Soils</b>	<b>17,042.00 tn</b>	<b>47.44 /tn</b>	<b>808,520</b>
<b>316000 Underpinning</b>			
Underpinning of walls on 2 sides of elevator - 5.5' Engineering	24.00 lf	1,750.00 /lf	42,000
	1.00 ls	15,600.00 /ls	15,600
<b>316000 Underpinning</b>	<b>96.00 lf</b>	<b>600.00 /lf</b>	<b>57,600</b>
<b>321100 Base Courses at Bituminous &amp; Concrete Pavement</b>			
PA-01 asphalt paving - dense grade 8"+25% (L8-01)	642.75 tn	48.00 /tn	30,852
PA-11,12,20,21,50 - conc walk - dense grade 6"+30% (L8-01)	1,129.56 tn	48.00 /tn	54,219
ST-01,10 - seateing - dense grade 12"+30%	117.87 tn	48.00 /tn	5,658
Fine grade - concrete pavement (PA-11,12,20,21,50)	27,600.00 sf	0.80 /sf	22,080
Fine grade - steps	1,440.00 sf	3.00 /sf	4,320
<b>321100 Base Courses at Bituminous &amp; Concrete Pavement</b>	<b>1,890.00 tn</b>	<b>61.97 /tn</b>	<b>117,129</b>
<b>321216 Bituminous Concrete Paving</b>			
PA01 - Asphalt paving at driveway (5", 2 course)	1,361.00 sy	52.00 /sy	70,772
PA01 - Asphalt paving at driveway (5", 2 course)	5,425.56 sy	55.00 /sy	298,406
<b>321216 Bituminous Concrete Paving</b>	<b>1,361.00 sy</b>	<b>271.26 /sy</b>	<b>369,178</b>
<b>321640 Granite Curbing</b>			
<i>Granite curbing on street - with School Street Improv</i>	0.00 lf	0.00 /lf	0
<i>EG1- granite curbing on site with landscaping</i>	0.00 lf	0.00 /lf	0
<b>321640 Granite Curbing</b>	<b>243,280.00 lf</b>	<b>/lf</b>	
<b>321723 Painted Pavement Markings</b>			
Minimal	1.00 ls	5,200.00 /ls	5,200
<b>321723 Painted Pavement Markings</b>	<b>140,615.00 gsf</b>	<b>0.04 /gsf</b>	<b>5,200</b>
<b>323111 Temporary Fencing</b>			
Temporary construction fence gate	3.00 ea	1,508.00 /ea	4,524
Temporary construction fence	1,725.00 lf	52.00 /lf	89,700
Temporary construction fence - scrim	1,725.00 lf	8.00 /lf	13,800
Maintenance of temp fence	1,725.00 lf	8.00 /lf	13,800
<b>323111 Temporary Fencing</b>	<b>1,600.00 lf</b>	<b>76.14 /lf</b>	<b>121,824</b>
<b>331000 Water Utilities</b>			
Domestic water line - 4"	80.00 lf	115.00 /lf	9,200



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>331000 Water Utilities</b>			
Fire water line - 8"	75.00 lf	180.00 /lf	13,500
Wet tap w/ 8" x 12" tee and valve	1.00 ea	26,000.00 /ea	26,000
Wet tap w/ 4" x 8" tee and valve incl street work	1.00 ea	25,000.00 /ea	25,000
Pressure test & chlorinate	155.00 lf	5.98 /lf	927
Water fountain supply line - 2"	100.00 lf	93.60 /lf	9,360
<b>331000 Water Utilities</b>	<b>140,615.00 sf</b>	<b>0.60 /sf</b>	<b>83,987</b>
<b>333000 Sanitary Sewerage</b>			
Sanitary sewer piping - 6"	270.00 lf	98.03 /lf	26,468
Sanitary sewer piping - 8"	85.00 lf	130.00 /lf	11,050
Sanitary sewer piping - 10"	45.00 lf	130.00 /lf	5,850
Wye connection to sanitary in street, incl street work	3.00 ea	26,838.53 /ea	80,516
Oil water separaor	2.00 ea	18,720.00 /ea	37,440
Sanitary manhole	3.00 ea	9,200.00 /ea	27,600
Clean & Flush New Sanitary Piping - ph 2-4	255.00 lf	4.16 /lf	1,061
Grease trap - furnished by plumber	1.00 ls	12,000.00 /ls	12,000
<b>333000 Sanitary Sewerage</b>	<b>140,615.00 sf</b>	<b>1.44 /sf</b>	<b>201,984</b>
<b>334000 Stormwater Utilities</b>			
Piping - 12"	635.00 lf	105.00 /lf	66,675
Piping - 6"/8"	1,070.00 lf	70.00 /lf	74,900
Trench drain - 9 loc	72.00 lf	312.00 /lf	22,464
Flared ends	3.00 loc	1,248.00 /loc	3,744
Outlet control structure	1.00 ea	18,720.00 /ea	18,720
Area Drains (Nyloplast Basins 24" dia.)	9.00 ea	3,328.00 /ea	29,952
Raise and refurbish mh structure	6.00 ea	3,328.00 /ea	19,968
Clean & Flush New Drainage Piping	1,705.00 lf	2.39 /lf	4,077
Video Inspections of New Drainage Piping w/ DVD Media	1,705.00 lf	5.98 /lf	10,201
Precast Cistern - 2500 gal	1.00 ls	24,000.00 /ls	24,000
Submersible pump	1.00 ls	14,000.00 /ls	14,000
Allowance per note on civil drawing	1.00 ls	21,158.00 /ls	21,158
<b>334000 Stormwater Utilities</b>	<b>140,615.00 sf</b>	<b>2.20 /sf</b>	<b>309,859</b>
<b>334002 Stormwater-Flow Through Planter System</b>			
Perforated 4" pipe 12" oc - 240' x 3	720.00 lf	35.00 /lf	25,200
Mirafi fabric on all sides	2,400.00 sf	1.00 /sf	2,400
Drain stone #57 - 2"	14.10 tns	56.00 /tns	790
Crushed stone - 9"	56.67 tns	52.00 /tns	2,947
Bold and gold OTE medi - 18"	66.67 cy	120.00 /cy	8,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>334002 Stormwater-Flow Through Planter System</b>	<b>960.00 sf</b>	<b>40.98 /sf</b>	<b>39,337</b>
<b>334003 Rain Gardens - Stone &amp; Piping</b>			
Perforated 4" pipe 12" oc - 240' x 3	2,360.00 lf	28.00 /lf	66,080
Mirafi fabric on all sides	7,080.00 sf	1.00 /sf	7,080
Drain stone #57 - 2"	34.67 tns	56.00 /tns	1,942
Crushed stone - 9"	139.32 tns	52.00 /tns	7,245
Bold and gold OTE medi - 18"	164.00 cy	120.00 /cy	19,680
<b>334003 Rain Gardens - Stone &amp; Piping</b>	<b>2,360.00 sf</b>	<b>43.23 /sf</b>	<b>102,026</b>
<b>334004 Permeable Pavers - Stone &amp; Piping</b>			
Perforated 4" pipe per plan	160.00 lf	32.00 /lf	5,120
Mirafi fabric all sides	10,000.00 sf	1.00 /sf	10,000
Drain stone #57 - 2"	240.00 tn	56.00 /tn	13,440
Crushed stone - 34"	981.17 tn	52.00 /tn	51,021
<b>334004 Permeable Pavers - Stone &amp; Piping</b>	<b>4,400.00 sf</b>	<b>18.09 /sf</b>	<b>79,581</b>
<b>334010 Perimeter Drain at Historic Building</b>			
Perimeter drain pipe	560.00 lf	45.00 /lf	25,200
Excavate to expose foundation (from elev 55.0 to 45.0)(560' x 10' x 8'w)	1,659.26 cy	41.60 /cy	69,025
Mirafi fabric	5,600.00 sf	1.04 /sf	5,824
Backfill with crushed stone (560' x 4'x2')	273.78 tn	46.80 /tn	12,813
Backfill with offsite gravel	1,950.00 cy	60.32 /cy	117,624
Limited SOE - 350' x 10'	3,500.00 sfex	114.40 /sfexp	400,400
	p		
<b>334010 Perimeter Drain at Historic Building</b>	<b>560.00 lf</b>	<b>1,126.58 /lf</b>	<b>630,886</b>
<b>334011 Perimeter Drain at Proposed Building</b>			
Perimeter drain pipe	1,120.00 lf	45.00 /lf	50,400
Mirafi fabric	11,200.00 sf	1.04 /sf	11,648
Backfill with crushed stone (560' x 4'x2')	547.56 tn	46.80 /tn	25,626
<b>334011 Perimeter Drain at Proposed Building</b>	<b>1,120.00 lf</b>	<b>78.28 /lf</b>	<b>87,674</b>
<b>334015 Underslab Drainage</b>			
(H) Underslab drainage per drwg A1.01H	590.00 lf	32.00 /lf	18,880
(H) Excavate for piping, bkf with stone and mirafi fabric	590.00 lf	60.00 /lf	35,400
Underslab drainage per drwg - new bldg/garage	2,800.00 lf	32.00 /lf	89,600
Excavate for piping, bkf with stone and mirafi fabric	2,800.00 lf	38.00 /lf	106,400
<b>334015 Underslab Drainage</b>		<b>/lf</b>	<b>250,280</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>336000 Excavation/Bkfl for Electric</b>			
Excavation / backfill for site lighting	1,500.00 lf	21.52 /lf	32,278
Ductbank AA incl conc 15"x 12"	20.00 lf	155.00 /lf	3,100
Ductbank BB incl conc 26" x 26"	10.00 lf	180.00 /lf	1,800
Ductbank CC incl conc 33"x26"	250.00 lf	190.00 /lf	47,500
Ductbank DD incl 18" x 18"	120.00 lf	155.00 /lf	18,600
Ductbank EE incl conc 26"x26"	150.00 lf	180.00 /lf	27,000
E/b for site lighting	1,200.00 lf	65.00 /lf	78,000
E/b for electric handholes - allowance	3.00 ea	4,500.00 /ea	13,500
FS-10 (not shown) Light Pole/Bollard Bases - precast conc	44.00 ea	2,000.00 /ea	88,000
<b>336000 Excavation/Bkfl for Electric</b>	<b>243,280.00 gsf</b>	<b>1.27 /gsf</b>	<b>309,778</b>
<b>000000 BF Area Summary - Proposed</b>			
Total disturbed area	59,300.00 sf	/sf	
Bituminous walks	6,540.00 sf	/sf	
Grass	34,700.00 sf	/sf	
Resod	10,860.00 sf	/sf	
Repaint/reseal basketball courts	6,500.00 sf	/sf	
Pavers	450.00 sf	/sf	
Conc pads	250.00 sf	/sf	
<b>000001 BF Area Summary - Existing</b>			
Total disturbed area	59,300.00 sf	/sf	
Bituminous walks	6,720.00 sf	/sf	
Grass	34,920.00 sf	/sf	
Resod	10,860.00 sf	/sf	
Repaint/reseal basketball courts	6,500.00 sf	/sf	
Conc pads	300.00 sf	/sf	
<b>260000 SS Site Lighting</b>			
Relocate existing lighting	1.00 ls	5,000.00 /ls	5,000
<b>260000 SS Site Lighting</b>			<b>5,000</b>
<b>310000 BF Site Misc</b>			
Equipment mobilization, general requirements	1.00 ls	25,000.00 /ls	25,000
Survey/layout	15.00 wk	1,887.60 /wk	28,314
Police details - for use by site contractor during trucking & utilities	30.00 dy	800.00 /dy	24,000
Temporary site signage	1.00 ls	4,000.00 /ls	4,000
<b>310000 BF Site Misc</b>			<b>81,314</b>
<b>310000 SS Site Misc</b>			
Equipment mobilization, general requirements	1.00 ls	25,000.00 /ls	25,000
Survey/layout	5.00 wk	6,000.00 /wk	30,000
Police details - for use by site contractor during trucking & utilities	40.00 dy	1,800.00 /dy	72,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>310000 SS Site Misc</b>			
Temporary site signage	1.00 ls	40,000.00 /ls	40,000
Labor for street protection	10.00 wks	4,500.00 /wks	45,000
Material for pedestrian protection	1.00 ls	15,000.00 /ls	15,000
Street sweeping	10.00 dy	900.00 /dy	9,000
<b>310000 SS Site Misc</b>			<b>236,000</b>
<b>311000 BF Site Clearing</b>			
Sawcut Bituminous concrete paving	40.00 lf	12.00 /lf	480
Remove & Dispose Bituminous Pavements	6,720.00 sf	1.80 /sf	12,096
Remove & Dispose conc walks, pads	250.00 sf	6.00 /sf	1,500
Remove and salvage bleachers	1.00 ls	4,000.00 /ls	4,000
Remove and salvage benches	1.00 ls	3,000.00 /ls	3,000
Remove & Dispose fencing	770.00 lf	12.00 /lf	9,240
Remove & dispose of sprinkler system	1.00 ls	10,000.00 /ls	10,000
<b>311000 BF Site Clearing</b>			<b>40,316</b>
<b>311000 SS Site Clearing</b>			
Sawcut Bituminous concrete paving	1,750.00 lf	7.23 /lf	12,653
Remove & Dispose Bituminous Pavements - School St	5,680.00 sf	1.60 /sf	9,088
Mill bituminous	1,505.00 sy	18.00 /sy	27,090
Remove & Dispose Concrete Sidewalks, pavers, steps	8,660.00 sf	3.00 /sf	25,980
Remove & Dispose Existing site bollards, fencing, misc site improvements	1.00 ls	2,000.00 /ls	2,000
Remove planting beds, shrubs, trees	4,000.00 sf	2.00 /sf	8,000
Remove & Dispose Site Curbing	1,500.00 lf	6.24 /lf	9,360
<b>311000 SS Site Clearing</b>			<b>94,171</b>
<b>312000 BF Site Grading</b>			
Strip and stockpile loam (average 9")	970.00 cy	18.00 /cy	17,460
Rough grade (anticipates mostly balanced site, minimal cuts or fill)	48,440.00 sf	1.00 /sf	48,440
Haul away loam	1,600.50 tns	28.00 /tns	44,814
<b>312000 BF Site Grading</b>			<b>110,714</b>
<b>312200 SS Site Grading</b>			
Strip gravel below walks and pavement	767.77 cy	26.00 /cy	19,962
Haul off-site	1,265.55 tn	30.00 /tn	37,967
Rough grade	25,360.00 sf	1.50 /sf	38,040
<b>312200 SS Site Grading</b>			<b>95,969</b>



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>321100 BF Base Course</b>			
PA-01 asphalt paving - dense grade 8"+25% (L8-01)	343.15 tn	48.00 /tn	16,471
PA-11,12,20,21,50 - conc walk - dense grade 6"+30% (L8-01)	27.55 tn	48.00 /tn	1,322
Fine grade - concrete pavement (PA-11,12,20,21,50)	700.00 sf	1.00 /sf	700
Fine grade - steps	1,440.00 sf	3.00 /sf	4,320
<b>321100 BF Base Course</b>			<b>22,814</b>
<b>321100 SS Base Course</b>			
Under road pavement - 4" dense grade	155.93 tn	48.00 /tn	7,485
Under road pavement - 8" gravel	183.44 tn	60.00 /tn	11,006
Under bike path - 8" gravel	204.89 tn	48.00 /tn	9,835
Under conc walks - 8" gravel	277.98 cy	60.00 /cy	16,679
Fine grade - walks	8,660.00 sf	2.00 /sf	17,320
<b>321100 SS Base Course</b>			<b>62,325</b>
<b>321216 BF Bituminous Paving</b>			
PA01 - Asphalt paving at driveway (5", 2 course)	726.67 sy	62.00 /sy	45,054
Reseal, repaint basketball court	6,500.00 sf	3.00 /sf	19,500
<b>321216 BF Bituminous Paving</b>			<b>64,554</b>
<b>321216 SS Bituminous Paving</b>			
Full depth pavement - 1.75" + 2.25" + 3.5" = 7.5"	635.00 sy	80.00 /sy	50,800
Pavement overlay - 1.75"	1,505.00 sy	28.00 /sy	42,140
Pavement bike path - 1.75" + 1.25" + 3" = 6.0"	709.22 sy	70.00 /sy	49,645
Raised pavement	62.00 sy	50.00 /sy	3,100
<b>321216 SS Bituminous Paving</b>			<b>145,685</b>
<b>321313 BF Concrete Walks</b>			
PA 11,12 Pedestrian concrete walks - 6" thick	250.00 sf	25.00 /sf	6,250
PA 20 Concrete under precast pavers - 6"	450.00 sf	18.00 /sf	8,100
<b>321313 BF Concrete Walks</b>			<b>14,350</b>
<b>321313 SS Concrete Walks</b>			
Truncated domes - for HC ramps	1,010.00 sf	34.00 /sf	34,340
Pedestrian concrete walks - 6" thick	8,660.00 sf	16.00 /sf	138,560
7.5" thick cement in lieu of base course at trenches	300.00 sf	25.00 /sf	7,500
<b>321313 SS Concrete Walks</b>			<b>180,400</b>
<b>321413 BF Unit Pavers</b>			
PA-20 conc unit pavers	450.00 sf	44.00 /sf	19,800



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>321413 BF Unit Pavers</b>			<b>19,800</b>
<b>321640 SS Granite Curbing</b>			
Granite curbing on street - mostly straight	1,440.00 lf	68.00 /lf	97,920
Granite curbing - corners	14.00 ea	400.00 /ea	5,600
<b>321640 SS Granite Curbing</b>			<b>103,520</b>
<b>321723 SS Road Markings</b>			
Road markings	1.00 ls	15,000.00 /ls	15,000
<b>321723 SS Road Markings</b>			<b>15,000</b>
<b>323000 BF Site Furnishings</b>			
Reinstall bleachers	1.00 ls	2,400.00 /ls	2,400
Reinstall benches	1.00 ls	4,000.00 /ls	4,000
<b>323000 BF Site Furnishings</b>			<b>6,400</b>
<b>323111 BF Temp Fence</b>			
Temp fence	450.00 lf	45.00 /lf	20,250
Temp fence gate	1.00 ls	4,000.00 /ls	4,000
Tree protection fence	190.00 lf	45.00 /lf	8,550
<b>323111 BF Temp Fence</b>			<b>32,800</b>
<b>323119 BF Fencing</b>			
Replace fencing	40.00 lf	80.00 /lf	3,200
<b>323119 BF Fencing</b>			<b>3,200</b>
<b>328400 BF Irrigation</b>			
Irrigation complete	45,780.00 sf	2.00 /sf	91,560
<b>328400 BF Irrigation</b>			<b>91,560</b>
<b>329115 BF Loam</b>			
Offsite loam	873.00 cy	90.00 /cy	78,570
<b>329115 BF Loam</b>			<b>78,570</b>
<b>329115 SS Loam</b>			
Offsite loam for planting areas - assume 12"dp +30%	221.48 cy	93.60 /cy	20,731
Additional loam for trees	120.00 cy	93.60 /cy	11,232
<b>329115 SS Loam</b>			<b>31,963</b>
<b>329300 BF Lawns</b>			
Seeded lawn - assume sod	34,920.00 sf	2.00 /sf	69,840
Seeded lawn - resodded	10,860.00 sf	0.40 /sf	4,344



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>329300 BF Lawns</b>			<b>74,184</b>
<b>329300 SS Plantings</b>			
Tree - large deciduous - 3"-3.5" cal	60.00 ea	1,700.00 /ea	102,000
Seeded lawn - assume sod	4,600.00 sf	1.80 /sf	8,280
Maintenance	1.00 ls	15,000.00 /ls	15,000
Allowance for landscaping repairs	1.00 ls	40,000.00 /ls	40,000
<b>329300 SS Plantings</b>			<b>165,280</b>
<b>336000 SS Excavation/Bkfl for Electrical</b>			
E/b for conduit	155.00 lf	60.00 /lf	9,300
Electrical hand hole	1.00 ea	6,500.00 /ea	6,500
Electrical pull box	2.00 ea	1,500.00 /ea	3,000
<b>336000 SS Excavation/Bkfl for Electrical</b>			<b>18,800</b>
<b>344116 SS Traffic Signal</b>			
Reprogram existing traffic signal controllers	2.00 ls	20,000.00 /ls	40,000
Video detection camera with mounting hardware	6.00 ea	6,000.00 /ea	36,000
2-channel video detection processor	2.00 ea	8,000.00 /ea	16,000
Signal controller w/ video detetoin on existing foundation	2.00 ea	9,000.00 /ea	18,000
Video detection system central control unit	2.00 ea	6,000.00 /ea	12,000
Signal head 4 section	1.00 ea	5,000.00 /ea	5,000
Signal head,3 section	8.00 ea	4,200.00 /ea	33,600
Pedestrian signal head w/ countdown	4.00 ea	3,800.00 /ea	15,200
APS pushbutton and sign with audible and visible indicators	4.00 ea	1,800.00 /ea	7,200
GPS antenna/reciever with cable	1.00 ls	4,000.00 /ls	4,000
Mast - 20'	1.00 ea	14,000.00 /ea	14,000
Mast - 15'	1.00 ea	8,000.00 /ea	8,000
Mast - 10', 8'	3.00 ea	6,500.00 /ea	19,500
Mast footing	5.00 ea	1,600.00 /ea	8,000
Adjust	1.00 ea	33,500.00 /ea	33,500
<b>344116 SS Traffic Signal</b>			<b>270,000</b>
<b>31.22 SITEWORK</b>	<b>246,123.00 gsf</b>	<b>40.79 /gsf</b>	<b>10,039,902</b>
<b>32.03 SITE CONCRETE</b>			
<b>321313 Concrete Paving</b>			
Generator pads A1.12H - 15" thick	270.00 sf	35.00 /sf	9,450
Generator and transformer pads	200.00 sf	20.59 /sf	4,118
PA 61 Truncated domes - for HC ramps	150.00 sf	40.00 /sf	6,000
PA 11,12 Pedestrian concrete walks - 6" thick	19,370.00 sf	14.82 /sf	287,063



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>321313 Concrete Paving</b>			
PA 20 Concrete under precast pavers - 6"	1,810.00 sf	14.82 /sf	26,824
PA 50,51 Concrete under play surfacing - 6" (changed to dense grade at recon)	5,110.00 sf	5.00 /sf	25,550
add for thickned slab edge at ramp	980.00 lf	45.00 /lf	44,100
add for thickned slab at bike rack	460.00 sf	5.00 /sf	2,300
<b>321313 Concrete Paving</b>		<b>/gsf</b>	<b>405,406</b>
<b>321314 Site Concrete Footings</b>			
WA-40 concrete below granine seat wall	250.00 sf	120.00 /sf	30,000
FS-20 Footings for bollards	5.00 ea	1,050.00 /ea	5,250
FS-50 footing bike and scooter racks L8-40	36.00 ea	900.00 /ea	32,400
FA-80 Trash/recycle receptacles	4.00 ea	1,050.00 /ea	4,200
Footings for play equipment	1.00 ls	31,200.00 /ls	31,200
Footings for bus structure	1.00 ls	15,600.00 /ls	15,600
<b>321314 Site Concrete Footings</b>		<b>/gsf</b>	<b>118,650</b>
<b>321405 Site Walls &amp; Steps</b>			
Concrete steps, risers and treads	680.00 lf	145.00 /lf	98,600
WA-01 retaining wall - arch finish - 14"w x 10' ave x 220' L8-10, 14/S0.02	104.57 cy	2,000.00 /cy	209,140
WA-02 retaining wall - arch finish - 9"w x 8' ave x 250' L8-10	61.11 cy	1,870.00 /cy	114,276
WA-01 retaining wall footing 72"x14" x 220'	62.74 cy	988.00 /cy	61,987
WA-02 retaining wall footing 61"x12" x 250'	51.77 cy	988.00 /cy	51,149
Conc knee wall at top and bottom of steps	96.00 lf	400.00 /lf	38,400
Edge form at steps - left and right	200.00 lf	90.00 /lf	18,000
<b>321405 Site Walls &amp; Steps</b>		<b>/gsf</b>	<b>591,552</b>
<b>32.03 SITE CONCRETE</b>	<b>246,123.00 gsf</b>	<b>4.53 /gsf</b>	<b>1,115,608</b>
<b>32.04 LANDSCAPING AND SITE FURNISHINGS</b>			
<b>034501 Architectural Cast-In-Place Concrete for Landscape</b>			
WA 30 cast-in-place conc seat wall - partial radius - L8-10	305.00 lf	680.00 /lf	207,400
WA 20 conc wier at storm garden L8-10	50.00 lf	300.00 /lf	15,000
Crane for precast in courtyard	1.00 ls	12,480.00 /ls	12,480
EG 10 raised conc curb 6" x 24" at planters L8-02	780.00 lf	175.00 /lf	136,500
ST 10 Cast-in-place conc at ampitheater L8-20	760.00 sf	110.00 /sf	83,600
<b>034501 Architectural Cast-In-Place Concrete for Landscape</b>			<b>454,980</b>
<b>044302 Stone Masonry - Sitework</b>			
SL-20 Stone basin - 3" overlapping stone slabs L8-10	100.00 sf	180.00 /sf	18,000



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>044302 Stone Masonry - Sitework</b>			
WA40 (misabeled as WA30) granite steps 18" thick - L8-10	250.00 sf	420.00 /sf	105,000
<b>044302 Stone Masonry - Sitework</b>			<b>123,000</b>
<b>116813 Playground Equipment</b>			
FS 01 Kompan NR0854 Parkout 4	1.00 ls	14,150.00 /ls	14,150
FS-02 Kompan PCM003221 Emotion Play Panel	1.00 ls	5,612.50 /ls	5,613
FS-03 Kompan NRO613 Music Play Panel	1.00 ls	7,487.50 /ls	7,488
FS-04 Kompan NR0887 Single balance beam	1.00 ls	1,037.50 /ls	1,038
FS-05 Earthscape stepper cluster M4	1.00 ls	45,000.00 /ls	45,000
FS-06 Bigtoys bungalow EC-670-10/MEC-670-10	1.00 ls	75,000.00 /ls	75,000
FS-70 Landscape strucre skyways triangle sail	1.00 ls	35,000.00 /ls	35,000
Installation	600.00 ph	125.00 /ph	75,000
Crane, lull	6.00 wks	5,000.00 /wks	30,000
<b>116813 Playground Equipment</b>			<b>288,288</b>
<b>312323 Light-weight Fill</b>			
Light-weight fill over new structure - 5,010 sf x 2.5' (55.5 to 53.0)	12,525.00 cf	6.00 /cf	75,150
Light-weight fill over existing structure - 4,850 sf x 2.5 (55.5 to 53.0)	12,125.00 cf	6.00 /cf	72,750
Geofoam at stair infill	1,000.00 cf	6.00 /cf	6,000
<b>312323 Light-weight Fill</b>			<b>153,900</b>
<b>321413 Concrete Unit Pavers</b>			
PA 70 Precast pavers on pedestals at courtyard	3,920.00 sf	48.00 /sf	188,160
PA 70 Precast pavers on pedestals at level 3 patio	1,420.00 sf	52.00 /sf	73,840
PA 70 Precast pavers on pedestals at level 4 patio	220.00 sf	52.00 /sf	11,440
Add for crane	1.00 ls	20,800.00 /ls	20,800
PA-20 conc unit pavers	1,810.00 sf	44.00 /sf	79,640
<b>321413 Concrete Unit Pavers</b>			<b>373,880</b>
<b>321443 Permeable Unit Paving</b>			
PA-30 Permeable pavers (not incl drainage layer)	4,150.00 sf	48.00 /sf	199,200
<b>321443 Permeable Unit Paving</b>			<b>199,200</b>
<b>321543 Stone Dust Paving</b>			
PA 40 - stabilized stone dust (4") over filter fabric	1,180.00 sf	41.60 /sf	49,088
<b>321543 Stone Dust Paving</b>			<b>49,088</b>
<b>321640 Granite Curbing</b>			



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>321640 Granite Curbing</b>			
EG 01- granite edge straight & radius - 6"x36"h	545.00 lf	156.00 /lf	85,020
<b>321640 Granite Curbing</b>		<b>/lf</b>	<b>85,020</b>
<b>321816 Playground Safety Surfacing</b>			
PA-50,51 Safety surfacing over conc - 5.0" min L8-01	5,110.00 sf	36.00 /sf	183,960
<b>321816 Playground Safety Surfacing</b>			<b>183,960</b>
<b>323000 Site Furnishings</b>			
FS 7 Landscape boulders L8-40	10.00 ea	2,000.00 /ea	20,000
FS 20 Bollards - Calpipe stainless steel L8-40	5.00 ea	6,240.00 /ea	31,200
FS 30 Raised planting beds, cedar - 4'x8'x30"w - L8-40	184.00 lf	660.00 /lf	121,440
FS 31 Prep table	10.00 lf	1,400.00 /lf	14,000
FS 32 Planting beds - ADA	12.00 lf	950.00 /lf	11,400
FS 33 Bench custom radius L8-40	34.00 lf	1,620.00 /lf	55,080
FS 40 Bench L8-40	24.00 lf	900.00 /lf	21,600
FS 50 Bike rack - Bola stainless steel L8-40	32.00 ea	1,716.00 /ea	54,912
FS 51 Scooter rack	4.00 ea	4,000.00 /ea	16,000
FS 80 Trash/recycle receptacles L8-41	4.00 ea	3,800.00 /ea	15,200
FS 81 Trash totes L8-41	10.00 ea	400.00 /ea	4,000
<b>323000 Site Furnishings</b>			<b>364,832</b>
<b>323119 Metal Fencing and Gates</b>			
NF 01 at playground L8-11	110.00 lf	240.00 /lf	26,400
NF 02 add for gate	2.00 ea	2,000.00 /ea	4,000
NF 03 generator enclosure	80.00 lf	450.00 /lf	36,000
<b>323119 Metal Fencing and Gates</b>		<b>/lf</b>	<b>66,400</b>
<b>323120 Wood Fence</b>			
Wood stockade fence 8'h at generator A1.12H	70.00 lf	200.00 /lf	14,000
Gate	1.00 ls	2,500.00 /ls	2,500
<b>323120 Wood Fence</b>		<b>/gsf</b>	<b>16,500</b>
<b>328400 Irrigation Systems</b>			
Irrigation complete (incl pumps)	21,200.00 sf	8.00 /sf	169,600
<b>328400 Irrigation Systems</b>			<b>169,600</b>
<b>329115 Planting Soils on Grade</b>			
Offsite loam for planting areas - assume 18"dp +30%	1,751.39 cy	93.60 /cy	163,930
Additional loam for trees	200.00 cy	93.60 /cy	18,720



Description	Takeoff Quantity	Total Cost/Unit	Total Amount
<b>329115 Planting Soils on Grade</b>		<b>/cy</b>	<b>182,650</b>
<b>329116 Planting Soils at Interior Courtyard</b>			
Offsite loam for planting areas - assume 12"dp +30%	33.70 cy	130.00 /cy	4,381
Drainage cups w/ lw aggregate	700.00 sf	12.48 /sf	8,736
Add for crane	1.00 ls	12,480.00 /ls	12,480
<b>329116 Planting Soils at Interior Courtyard</b>			<b>25,597</b>
<b>329300 Plantings</b>			
Tree - large deciduous - 3"-3.5" cal	30.00 ea	2,400.00 /ea	72,000
Tree - medium deciduous - 2"-2.5" cal	15.00 ea	1,850.00 /ea	27,750
Tree - medium - 10'-12'	26.00 ea	1,250.00 /ea	32,500
Tree - small - 6'-8'	10.00 ea	925.00 /ea	9,250
Shrubs - 3,291 sf @ 36" oc	440.00 ea	76.00 /ea	33,440
Ground cover #1 18,137 @ 18" oc	8,060.00 ea	28.00 /ea	225,680
Seeded lawn - assume sod	4,307.00 sf	1.80 /sf	7,753
Maintenance	1.00 ls	30,000.00 /ls	30,000
<b>329300 Plantings</b>	<b>408,500.00</b>	<b>1.07</b>	<b>438,373</b>
<b>32.04 LANDSCAPING AND SITE FURNISHINGS</b>	<b>246,123.00 gsf</b>	<b>12.90 /gsf</b>	<b>3,175,267</b>
<b>33.04 GEOTHERMAL WELLS</b>			
<b>332313 Geothermal Wells</b>			
Geothermal well - drilling and piping - 600' dp	80.00 ea	42,000.00 /ea	3,360,000
13# steel casing to say 60' per well	0.00 ea	/ea	
1.25" DR11 closed loop piping	0.00 ea	/ea	
Grout all vertical bores with bentonite based grout	0.00 ea	/ea	
Connect wells	0.00 ea	/ea	
Pipe manifold allowance	0.00 ea	/ea	
Pressure testing, flush and purge	0.00 ea	/ea	
Glycol (20%) solution after test and flush	0.00 ea	/ea	
Geothermal well - drilling and piping - 600' dp	0.00 ea	/ea	
Additional piping and vault	1.00 ls	45,000.00 /ls	45,000
Piping from school to vault - 10"	440.00 lf	145.00 /lf	63,800
<b>332313 Geothermal Wells</b>	<b>80.00 ea</b>	<b>43,360.00 /ea</b>	<b>3,468,800</b>
<b>33.04 GEOTHERMAL WELLS</b>	<b>246,123.00 gsf</b>	<b>14.09 /gsf</b>	<b>3,468,800</b>

**CONSTRUCTION CONTRACT FOR CONSTRUCTION MANAGER AT RISK SERVICES  
AMENDMENT No. 6**

**WHEREAS**, the Town of Brookline (“Owner”) represented by Owner’s Project Manager, LeftField, LLC, entered into a contract (“Contract”) with Consigli Construction Company, Inc. (the “CM at Risk”) (collectively the “Parties”) for construction manager services in association with the design and construction of the John R. Pierce School Project (the “Project”) on May 17, 2022; and

**WHEREAS** CM Contract Amendment No. 1 was approved on August 9, 2022; and  
**WHEREAS** CM Contract Amendment No. 2 was approved on June 13, 2023; and  
**WHEREAS** CM Contract Amendment No. 3 was approved on October 10, 2023; and  
**WHEREAS** CM Contract Amendment No. 4 was approved on February 13, 2024; and  
**WHEREAS** CM Contract Amendment No. 5 was approved on March 12, 2024; and

**WHEREAS** effective as of April 9, 2024, the Parties wish to amend the Contract;

**NOW, THEREFORE**, in consideration of the promises and the mutual covenants contained in this Amendment, and other good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:

- The Owner hereby authorizes this Amendment No. 6 with a total value of \$13,150,019. This Amendment is comprised of Pre-GMP #1 which includes Abatement and Demolition, Cut, Cap and Make-Safe of Plumbing, Mechanical and Electrical and Sitework and is based on Bid Package No. 1, dated January 24, 2024 and Addenda 1 and 2, dated March 4 and March 5, 2024, respectively. The Contract Price in accordance with Articles 6 and 7 of the Owner-Construction Manager Agreement shall be amended as follows:

<u>Fee for Basic Services</u>	<u>Original Contract</u>	<u>Previous Amendments</u>	<u>Amount of This Amendment</u>	<u>After This Amendment</u>
SD Preconstruction Services	\$ 57,400.00	\$ 4,288.00	\$ 0.00	\$ 61,688.00
Preconstruction Services		\$ 341,991.25	\$ 0.00	\$ 341,991.25
Pre-GMP #1		\$ 0.00	\$ 13,150,019.00	\$13,150,019.00
<b>Total Fee</b>	<b>\$ 57,400.00</b>	<b>\$ 346,279.25</b>	<b>\$ 13,150,019.00</b>	<b>\$ 13,553,698.25</b>

- The Project Schedule shall be as follows:

Original Schedule for Substantial Completion: July 21, 2027

Amended Schedule for Substantial Completion: October 29, 2027

- The Construction Budget shall be as follows:

Original Budget: \$168,022,660

Amended Budget:

\$ No Change

This Amendment contains all of the terms and conditions agreed upon by the Parties as amendments to the original Contract. No other understandings or representations, oral or otherwise, regarding amendments to the original Contract shall be deemed to exist or bind the Parties, and all other terms and conditions of the Contract remain in full force and effect.

**IN WITNESS WHEREOF**, the Parties have caused this amendment to be executed by their respective authorized officers.

**OWNER:  
TOWN OF BROOKLINE**

By executing this Agreement, the undersigned authorized signatory of Owner, who incurs no personal liability by reason of the execution hereof or anything herein contained, hereby certifies under penalties of perjury that this Contract is executed in accordance with a prior approval of the Town of Brookline.

**By:** See Attached Signature Page for Town      **Date:** April 9, 2024

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**CM at RISK:  
CONSIGLI CONSTRUCTION COMPANY, INC.**

**By:** \_\_\_\_\_      **Date:** \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**APPROVED AS TO FORM:**

**By:** \_\_\_\_\_      **Date:** April 9, 2024

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Total Project Budget Status Report

ProPay Code	Description	Total Project Budget	Authorized Changes	Revised Total Budget	Total Committed	% Cmtd to Date	Actual Spent to Date	% Spent to Date	Balance To Spend	Comments
<b>FEASIBILITY STUDY AGREEMENT</b>										
0001-0000	OPM Feasibility Study/Schematic Design	\$ 100,000	\$ 245,884	\$ 345,884	\$ 345,884	100%	\$ 345,884	100%	\$ -	*FSA 1, 4, 5
0002-0000	A&E Feasibility Study/Schematic Design	\$ 950,000	\$ 515,118	\$ 1,465,118	\$ 1,465,118	100%	\$ 1,465,118	100%	\$ 0.01	*FSA 1, 2, 3, 5, 6, 7
0003-0000	Environmental & Site	\$ 150,000	\$ (73,720)	\$ 76,280	\$ 76,280	100%	\$ 76,280	100%	\$ -	*CCC PCSD;CCC CA1, 7
0004-0000	Other	\$ 800,000	\$ (687,282)	\$ 112,718	\$ 112,718	100%	\$ 112,718	100%	\$ -	*FSA 1, 2, 3, 4, 5, 6, 7
	<b>SUB-TOTAL</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ 2,000,000</b>	<b>\$ 2,000,000</b>	<b>100%</b>	<b>\$ 2,000,000</b>	<b>100%</b>	<b>\$ 0</b>	
<b>ADMINISTRATION</b>										
0101-0000	Legal Fees	\$ -	\$ -	\$ -	\$ -		\$ -		\$ -	
	Owner's Project Manager	\$ 7,195,000	\$ (350,000)	\$ 6,845,000	\$ 6,802,800	99%	\$ 1,212,800	18%	\$ 5,632,200	
0102-0400	Design Development	\$ 700,000		\$ 700,000	\$ 700,000	100%	\$ 700,000	100%	\$ -	
0102-0500	Construction Documents	\$ 1,045,000		\$ 1,045,000	\$ 1,045,000	100%	\$ 460,000	44%	\$ 585,000	
0102-0600	Bidding	\$ 175,000		\$ 175,000	\$ 175,000	100%	\$ -	0%	\$ 175,000	
0102-0700	Construction Administration	\$ 5,000,000	\$ (350,000)	\$ 4,650,000	\$ 4,650,000	100%	\$ -	0%	\$ 4,650,000	
0102-0800	Closeout	\$ 180,000		\$ 180,000	\$ 180,000	100%	\$ -	0%	\$ 180,000	
0102-0900	Extra Services	\$ -		\$ -	\$ -	0%	\$ -	0%	\$ -	
0102-1000	Reimbursable Services	\$ 35,000		\$ 35,000	\$ -	0%	\$ -	0%	\$ 35,000	
0201-1100	Cost Estimates	\$ 60,000		\$ 60,000	\$ 52,800	0%	\$ 52,800	88%	\$ 7,200	
0103-0000	Advertising & Printing	\$ 35,000		\$ 35,000	\$ -	0%	\$ -	0%	\$ 35,000	
0104-0000	Permitting	\$ -	\$ -	\$ -	\$ -	0%	\$ -	0%	\$ -	
0105-0000	Owner's Insurance	\$ 175,000	\$ -	\$ 175,000	\$ -	0%	\$ -	0%	\$ 175,000	
0199-0000	Other Administrative Costs	\$ 150,000	\$ -	\$ 150,000	\$ -	0%	\$ -	0%	\$ 150,000	
	<b>SUB-TOTAL</b>	<b>\$ 7,555,000</b>	<b>\$ (350,000)</b>	<b>\$ 7,205,000</b>	<b>\$ 6,802,800</b>	<b>94%</b>	<b>\$ 1,212,800</b>	<b>17%</b>	<b>\$ 5,992,200</b>	
<b>Architectural &amp; Engineering</b>										
	<b>A/E Basic Services</b>	<b>\$ 15,769,869</b>	<b>\$ -</b>	<b>\$ 15,769,869</b>	<b>\$ 15,769,869</b>	<b>100%</b>	<b>\$ 4,885,919</b>	<b>31%</b>	<b>\$ 10,883,950</b>	
0201-0400	Design Development	\$ 3,705,919		\$ 3,705,919	\$ 3,705,919	100%	\$ 3,705,919	100%	\$ -	
0201-0500	Construction Documents	\$ 6,229,098		\$ 6,229,098	\$ 6,229,098	100%	\$ 1,180,000	19%	\$ 5,049,098	
0201-0600	Bidding	\$ 394,247		\$ 394,247	\$ 394,247	100%	\$ -	0%	\$ 394,247	
0201-0700	Construction Administration	\$ 5,046,358		\$ 5,046,358	\$ 5,046,358	100%	\$ -	0%	\$ 5,046,358	
0201-0800	Closeout	\$ 394,247		\$ 394,247	\$ 394,247	100%	\$ -	0%	\$ 394,247	
0201-9900	Other Basic Services	\$ -		\$ -	\$ -	0%	\$ -	0%	\$ -	
	<b>Extra/Reimbursable Services</b>	<b>\$ 2,520,000</b>	<b>\$ (1,022,430)</b>	<b>\$ 1,497,570</b>	<b>\$ 265,033</b>	<b>17.70%</b>	<b>\$ 265,033</b>	<b>18%</b>	<b>\$ 1,232,537</b>	
0203-0200	Printing (over min.)	\$ 75,000	\$ (75,000)	\$ -	\$ -	0%	\$ -	0%	\$ -	
0203-9900	Other Reimbursables	\$ 850,000	\$ (104,000)	\$ 746,000	\$ 191,980	26%	\$ 191,980	26%	\$ 554,020	
0204-0200	HazMat (incl. monitoring)	\$ 750,000	\$ (576,843)	\$ 173,157	\$ 6,366	4%	\$ 6,366	4%	\$ 166,791	
0204-0300	Geotechnical/Geo-Environmental	\$ 750,000	\$ (240,117)	\$ 509,883	\$ 26,721	5%	\$ 26,721	5%	\$ 483,162	
0204-0400	Site Survey & Site Requirements	\$ 75,000	\$ (20,220)	\$ 54,780	\$ 26,216	48%	\$ 26,216	48%	\$ 28,564	
0204-0500	Wetlands	\$ -		\$ -	\$ -	0%	\$ -	0%	\$ -	
0204-1200	Traffic Studies	\$ 20,000	\$ (6,250)	\$ 13,750	\$ 13,750	100%	\$ 13,750	100%	\$ -	
	<b>SUB-TOTAL</b>	<b>\$ 18,289,869</b>	<b>\$ (1,022,430)</b>	<b>\$ 17,267,439</b>	<b>\$ 16,034,902</b>	<b>93%</b>	<b>\$ 5,150,952</b>	<b>30%</b>	<b>\$ 12,116,487</b>	
<b>SITE ACQUISITION</b>										
0301-0000	Land/Bldg. Purchase/Associated Services	\$ -		\$ -	\$ -	0%	\$ -	0%	\$ -	
	<b>SUB-TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0%</b>	<b>\$ -</b>	<b>0%</b>	<b>\$ -</b>	

Total Project Budget Status Report

ProPay Code	Description	Total Project Budget	Authorized Changes	Revised Total Budget	Total Committed	% Cmtd to Date	Actual Spent to Date	% Spent to Date	Balance To Spend	Comments
<b>PRE CONSTRUCTION COSTS</b>										
0501-0000	CMR Pre-Con Services	\$ 300,000	\$ 41,991	\$ 341,991	\$ 341,991	100%	\$ 171,663	50%	\$ 170,329	*PFA 1,2
	<b>SUB-TOTAL</b>	\$ 300,000	\$ 41,991	\$ 341,991	\$ 341,991	100%	\$ 171,663	50%	\$ 170,329	
<b>CONSTRUCTION COSTS</b>										
0502-0001	Construction Budget	\$ 168,022,660	\$ -	\$ 168,022,660	\$ 13,150,019	0%	\$ -	0%	\$ 168,022,660	
0508-0000	Change Orders	\$ -	\$ -	\$ -	\$ -	0%	\$ -	0%	\$ -	
	<b>SUB-TOTAL</b>	\$ 168,022,660	\$ -	\$ 168,022,660	\$ 13,150,019	0%	\$ -	0%	\$ 168,022,660	
<b>ALTERNATES</b>										
0506-0000				\$ -	\$ -	0%	\$ -	0%	\$ -	
	<b>SUB-TOTAL</b>	\$ -	\$ -	\$ -	\$ -	0%	\$ -	0%	\$ -	
<b>OTHER PROJECT COSTS</b>										
0507-0000	Construction Contingency	\$ 7,701,133	\$ -	\$ 7,701,133	\$ -	0%	\$ -	0%	\$ 7,701,133	
	Miscellaneous Project Costs	\$ 3,000,000	\$ 14,651	\$ 3,014,651	\$ 1,124,631	37%	\$ 27,908	0.9%	\$ 2,986,743	
0601-0000	Utility Company Fees	\$ 200,000		\$ 200,000	\$ -	0%	\$ -	0%	\$ 200,000	
0602-0000	Testing Services	\$ 300,000		\$ 300,000	\$ -	0%	\$ -	0%	\$ 300,000	
0603-0000	Swing-Space/Modulars	\$ 1,500,000	\$ 14,651	\$ 1,514,651	\$ 1,113,489	74%	\$ 14,651	0%	\$ 1,500,000	*PFA 2
0699-0000	Other Project Costs	\$ 1,000,000		\$ 1,000,000	\$ 11,142	1%	\$ 13,257	1.3%	\$ 986,743	
	Furnishings and Equipment	\$ 3,367,069	\$ -	\$ 3,367,069	\$ -	0%	\$ -	0%	\$ 3,367,069	
0701-0000	Furnishings	\$ 1,850,000		\$ 1,850,000	\$ -	0%	\$ -	0%	\$ 1,850,000	
0703-0000	Technology Equipment	\$ 1,517,069		\$ 1,517,069	\$ -	0%	\$ -	0%	\$ 1,517,069	
0801-0000	Owner's Contingency	\$ 1,680,227	\$ 1,315,787	\$ 2,996,014	\$ -	0%	\$ -	0%	\$ 2,996,014	*PFA 1,2
	<b>SUB-TOTAL</b>	\$ 15,748,429	\$ 1,330,439	\$ 17,078,868	\$ 1,124,631	7%	\$ 27,908	0.2%	\$ 17,050,959	
<b>TOTAL PROJECT BUDGET</b>		\$ 211,915,958	\$ -	\$ 211,915,958	\$ 39,454,344	19%	\$ 8,563,323	4%	\$ 203,352,635	

FUNDING SOURCES*		Max w/ Contingency	Max w/o Contingency	*Funding Sources Amounts will be updated when Town receives PFA Amendment 1 for increased MSBA reimbursement.				
	Maximum State Share	\$ 37,839,511	\$ 36,047,549	Project Budget	Scope Items Excluded	Contingencies	Basis of Total Facilities Grant	Reimbursement Rate
	Local Share	\$ 174,076,447	\$ 175,868,409					
	<b>SUB-TOTAL</b>	\$ 211,915,958	\$ 211,915,958	\$ 211,915,958	\$ 100,930,700	\$ 9,381,360	\$ 101,603,898	35.55%

CONSTRUCTION COST ESTIMATES				
	Date	Estimator	Amount	Cost Per SF
PSR Cost Estimate	09/17/21	AM Fogarty	\$146,388,307	\$478.80
CM SD Cost Estimate	10/27/22	Consigli	\$168,022,660	\$682.68

**Feasibility Study Agreement Budget Transfers:**

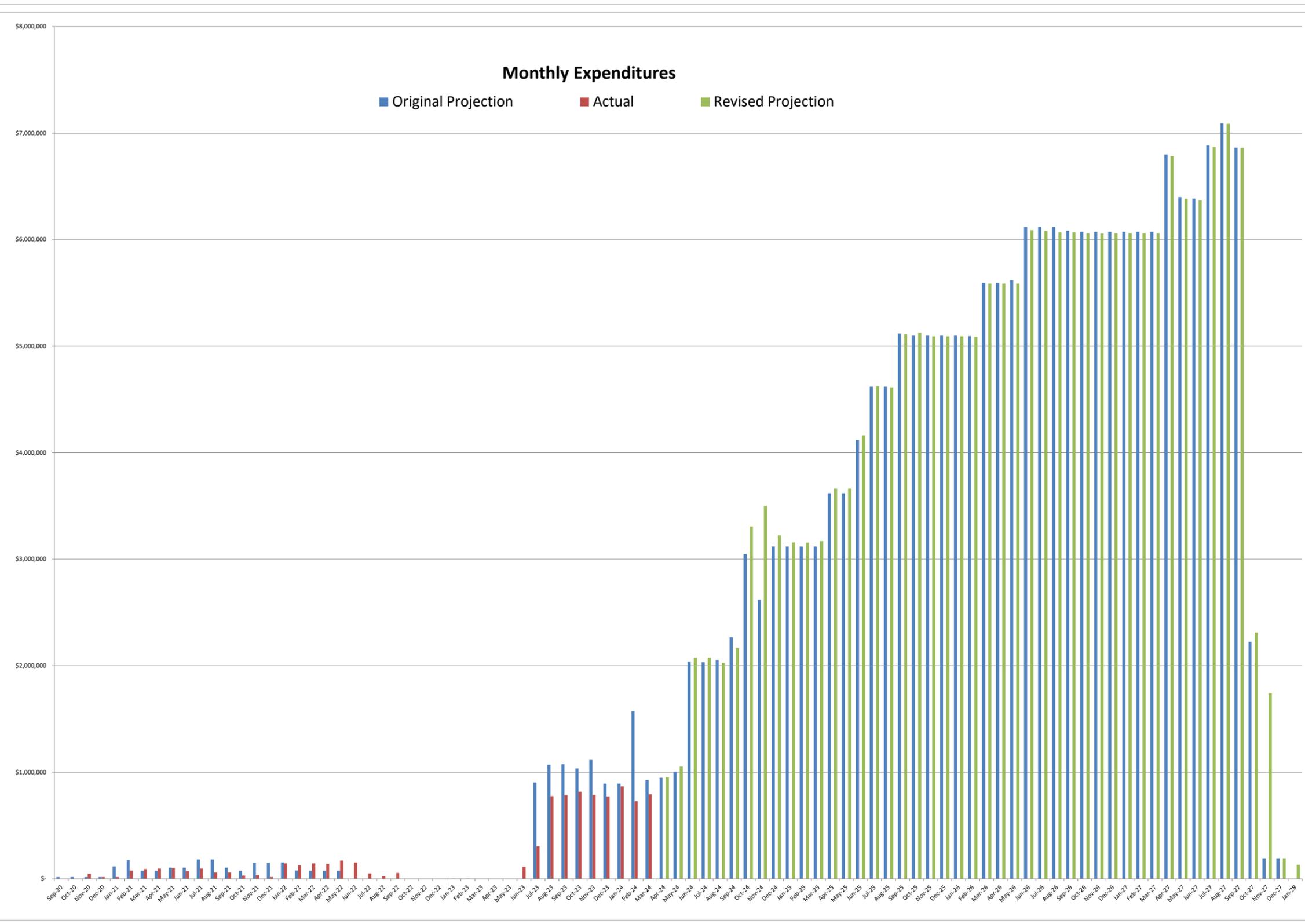
FSA BRR 01	11/30/2020	Transfer \$225,000 from Other Contingency to OPM Feasibility Study/Schematic Design to fund OPM Base Contract for Feasibility Study/Schematic Design.
FSA BRR 01	2/9/2021	Transfer \$344,466 from Other Contingency to A/E Feasibility Study/Schematic Design to fund A/E Base Contract for Feasibility Study/Schematic Design.
FSA BRR 02	8/10/2021	Transfer \$1,650 from Other Contingency to A/E Feasibility Study/Schematic Design to fund survey of interior slab deflection. (A/E Contract Amendment #1)
FSA BRR 03	9/14/2021	Transfer \$26,400 from Other Contingency to A/E Feasibility Study/Schematic Design to fund surveys of Garages A, B, D and E. (A/E Contract Amendment #2)
FSA BRR 04	10/12/2021	Transfer \$19,800 from Other Contingency to OPM Feasibility Study/Schematic Design to fund cost estimating services for PSR and SD. (OPM Contract Amendment #1)

Total Project Budget Status Report

ProPay Code	Description	Total Project Budget	Authorized Changes	Revised Total Budget	Total Committed	% Cmtd to Date	Actual Spent to Date	% Spent to Date	Balance To Spend	Comments
<b><i>Feasibility Study Agreement Budget Transfers (Continued):</i></b>										
FSA BRR 05	1/11/2022									Transfer \$134,750.00 from Other Contingency to A/E Feasibility Study/Schematic Design to fund Traffic Analysis and Geothermal Due Diligence and \$1,084.04 to OPM Feasibility Study/Schematic Design to printing costs for the PSR Submission. (A/E Contract Amendment #3 & OPM Contract Amendment #2)
FSA BRR 06	6/29/2022									Transfer \$1,647.12 from Other Contingency to A/E Feasibility Study/Schematic Design to fund hydrant flow test and reporting for FP design. (A/E Contract Amendment #4)
FSA BRR 07	7/11/2023									Transfer \$67,514.73 from Environmental & Site to Other Contingency to fund TOB salaries and transfer \$6,204.99 from Environmental & Site to A/E Feasibility Study/Schematic Design to fund additional SD due diligence work. (A/E Contract Amendment #5)
<b><i>Project Funding Agreement Budget Transfers:</i></b>										
PFA BRR 01	10/10/2023									Transfer \$29,842.54 from Owner's Contingency to CM Preconstruction Services to perform additional due diligence work for HAZMAT and Structural Exploratory.
PFA BRR 02	1/9/2024									Transfer \$14,651.30 from Owner's Contingency to Swing Space for relocation from Pierce and install at Newbury 18 Monitors and \$6,820.18 to CM Preconstruction Services (CM Contract Amendment 4).
PFA BRR 03	3/12/2024									Transfer \$5,328.53 from Owner's Contingency to CM Preconstruction Services (CM Contract Amendment 5).

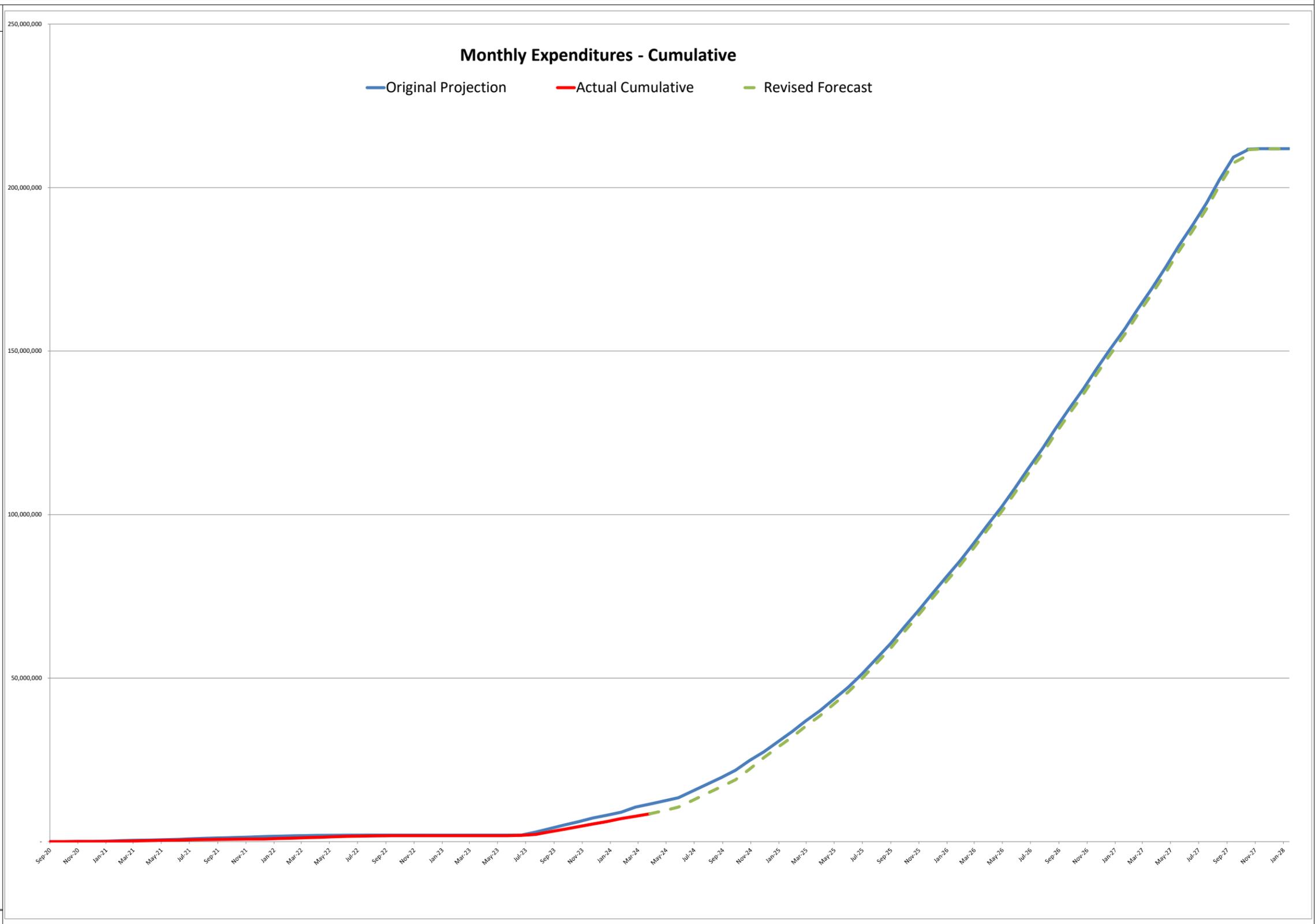
Monthly Cash Flow

Date	Original Projection	Actual	Revised Projection
Sep-20	\$ 15,395	\$ -	\$ -
Oct-20	\$ 15,395	\$ -	\$ -
Nov-20	\$ 15,395	\$ 46,185	\$ -
Dec-20	\$ 15,395	\$ 15,395	\$ -
Jan-21	\$ 115,395	\$ 15,395	\$ -
Feb-21	\$ 174,770	\$ 76,627	\$ -
Mar-21	\$ 74,770	\$ 91,349	\$ -
Apr-21	\$ 74,770	\$ 96,521	\$ -
May-21	\$ 104,770	\$ 100,208	\$ -
Jun-21	\$ 104,770	\$ 72,736	\$ -
Jul-21	\$ 179,770	\$ 95,641	\$ -
Aug-21	\$ 179,770	\$ 58,536	\$ -
Sep-21	\$ 104,770	\$ 59,452	\$ -
Oct-21	\$ 74,770	\$ 29,059	\$ -
Nov-21	\$ 149,770	\$ 34,155	\$ -
Dec-21	\$ 149,770	\$ 16,479	\$ -
Jan-22	\$ 151,875	\$ 143,486	\$ -
Feb-22	\$ 76,875	\$ 128,004	\$ -
Mar-22	\$ 73,935	\$ 143,420	\$ -
Apr-22	\$ 73,935	\$ 141,440	\$ -
May-22	\$ 73,935	\$ 171,346	\$ -
Jun-22	\$ -	\$ 152,006	\$ -
Jul-22	\$ -	\$ 49,789	\$ -
Aug-22	\$ -	\$ 24,150	\$ -
Sep-22	\$ -	\$ 53,983	\$ -
Oct-22	\$ -	\$ -	\$ -
Nov-22	\$ -	\$ -	\$ -
Dec-22	\$ -	\$ -	\$ -
Jan-23	\$ -	\$ 1,625	\$ -
Feb-23	\$ -	\$ 1,750	\$ -
Mar-23	\$ -	\$ -	\$ -
Apr-23	\$ -	\$ -	\$ -
May-23	\$ -	\$ -	\$ -
Jun-23	\$ -	\$ 112,718	\$ -
Jul-23	\$ 902,934	\$ 305,919	\$ -
Aug-23	\$ 1,071,539	\$ 775,337	\$ -
Sep-23	\$ 1,076,539	\$ 785,329	\$ -
Oct-23	\$ 1,036,539	\$ 816,328	\$ -
Nov-23	\$ 1,116,538	\$ 786,872	\$ -
Dec-23	\$ 893,265	\$ 772,287	\$ -
Jan-24	\$ 893,265	\$ 867,774	\$ -
Feb-24	\$ 1,573,026	\$ 728,610	\$ -
Mar-24	\$ 928,038	\$ 793,415	\$ -
Apr-24	\$ 948,038	\$ -	\$ 952,840
May-24	\$ 1,003,038	\$ -	\$ 1,053,881
Jun-24	\$ 2,038,038	\$ -	\$ 2,075,683
Jul-24	\$ 2,033,038	\$ -	\$ 2,075,683
Aug-24	\$ 2,053,038	\$ -	\$ 2,025,683
Sep-24	\$ 2,266,956	\$ -	\$ 2,166,803
Oct-24	\$ 3,047,672	\$ -	\$ 3,307,452
Nov-24	\$ 2,619,355	\$ -	\$ 3,500,027
Dec-24	\$ 3,119,355	\$ -	\$ 3,223,690
Jan-25	\$ 3,119,355	\$ -	\$ 3,157,870
Feb-25	\$ 3,119,355	\$ -	\$ 3,154,998
Mar-25	\$ 3,119,355	\$ -	\$ 3,168,199
Apr-25	\$ 3,619,355	\$ -	\$ 3,662,870
May-25	\$ 3,619,355	\$ -	\$ 3,662,870
Jun-25	\$ 4,119,355	\$ -	\$ 4,162,870
Jul-25	\$ 4,619,355	\$ -	\$ 4,624,613
Aug-25	\$ 4,619,355	\$ -	\$ 4,612,870
Sep-25	\$ 5,119,355	\$ -	\$ 5,112,870
Oct-25	\$ 5,099,355	\$ -	\$ 5,126,032
Nov-25	\$ 5,099,355	\$ -	\$ 5,092,870
Dec-25	\$ 5,099,355	\$ -	\$ 5,092,870
Jan-26	\$ 5,099,355	\$ -	\$ 5,092,870
Feb-26	\$ 5,094,355	\$ -	\$ 5,087,870
Mar-26	\$ 5,594,355	\$ -	\$ 5,587,870
Apr-26	\$ 5,594,355	\$ -	\$ 5,587,870
May-26	\$ 5,619,355	\$ -	\$ 5,587,870
Jun-26	\$ 6,119,355	\$ -	\$ 6,088,870
Jul-26	\$ 6,119,355	\$ -	\$ 6,082,890
Aug-26	\$ 6,119,355	\$ -	\$ 6,068,870
Sep-26	\$ 6,084,355	\$ -	\$ 6,068,870
Oct-26	\$ 6,074,355	\$ -	\$ 6,058,870
Nov-26	\$ 6,074,355	\$ -	\$ 6,057,475
Dec-26	\$ 6,074,355	\$ -	\$ 6,058,870
Jan-27	\$ 6,074,355	\$ -	\$ 6,058,870
Feb-27	\$ 6,074,355	\$ -	\$ 6,058,870
Mar-27	\$ 6,074,355	\$ -	\$ 6,058,870
Apr-27	\$ 6,799,355	\$ -	\$ 6,783,870
May-27	\$ 6,399,368	\$ -	\$ 6,383,883
Jun-27	\$ 6,385,435	\$ -	\$ 6,369,950
Jul-27	\$ 6,885,435	\$ -	\$ 6,869,950
Aug-27	\$ 7,092,504	\$ -	\$ 7,087,019
Sep-27	\$ 6,864,158	\$ -	\$ 6,861,710
Oct-27	\$ 2,224,076	\$ -	\$ 2,311,357
Nov-27	\$ 191,416	\$ -	\$ 1,742,846
Dec-27	\$ 191,415	\$ -	\$ 1,91,416
Jan-28	\$ -	\$ -	\$ 131,415
<b>Total:</b>	<b>\$ 211,915,958</b>	<b>\$ 8,563,323</b>	<b>\$ 203,352,635</b>



Cumulative Cash Flow

Date	Original Projection	Actual Cumulative	Revised Forecast
Sep-20	15,395	\$ -	
Oct-20	30,790	\$ -	
Nov-20	46,185	\$ 46,185	
Dec-20	61,580	\$ 61,580	
Jan-21	176,975	\$ 76,975	
Feb-21	351,745	\$ 153,602	
Mar-21	426,515	\$ 244,951	
Apr-21	501,285	\$ 341,472	
May-21	606,055	\$ 441,680	
Jun-21	710,825	\$ 514,416	
Jul-21	890,595	\$ 610,056	
Aug-21	1,070,365	\$ 668,593	
Sep-21	1,175,135	\$ 728,044	
Oct-21	1,249,905	\$ 757,103	
Nov-21	1,399,675	\$ 791,258	
Dec-21	1,549,445	\$ 807,737	
Jan-22	1,701,320	\$ 951,223	
Feb-22	1,778,195	\$ 1,079,227	
Mar-22	1,852,130	\$ 1,222,647	
Apr-22	1,926,065	\$ 1,364,086	
May-22	2,000,000	\$ 1,535,432	
Jun-22	2,000,000	\$ 1,687,438	
Jul-22	2,000,000	\$ 1,737,227	
Aug-22	2,000,000	\$ 1,761,377	
Sep-22	2,000,000	\$ 1,815,360	
Oct-22	2,000,000	\$ 1,815,360	
Nov-22	2,000,000	\$ 1,815,360	
Dec-22	2,000,000	\$ 1,815,360	
Jan-23	2,000,000	\$ 1,816,985	
Feb-23	2,000,000	\$ 1,818,735	
Mar-23	2,000,000	\$ 1,818,735	
Apr-23	2,000,000	\$ 1,818,735	
May-23	2,000,000	\$ 1,818,735	
Jun-23	2,000,000	\$ 1,931,452	
Jul-23	2,902,934	\$ 2,237,371	
Aug-23	3,974,473	\$ 3,012,709	
Sep-23	5,051,012	\$ 3,798,037	
Oct-23	6,087,551	\$ 4,614,365	
Nov-23	7,204,089	\$ 5,401,237	
Dec-23	8,097,354	\$ 6,173,524	
Jan-24	8,990,619	\$ 7,041,298	
Feb-24	10,563,645	\$ 7,769,908	
Mar-24	11,491,683	\$ 8,563,323	\$ 8,563,323
Apr-24	12,439,721		\$ 9,516,163
May-24	13,442,759		\$ 10,570,044
Jun-24	15,480,797		\$ 12,645,727
Jul-24	17,513,835		\$ 14,721,410
Aug-24	19,566,873		\$ 16,747,093
Sep-24	21,833,829		\$ 18,913,896
Oct-24	24,881,501		\$ 22,221,348
Nov-24	27,500,856		\$ 25,721,375
Dec-24	30,620,211		\$ 28,945,065
Jan-25	33,739,566		\$ 32,102,935
Feb-25	36,858,921		\$ 35,257,934
Mar-25	39,978,276		\$ 38,426,132
Apr-25	43,597,631		\$ 42,089,002
May-25	47,216,986		\$ 45,751,872
Jun-25	51,336,341		\$ 49,914,742
Jul-25	55,955,696		\$ 54,539,355
Aug-25	60,575,051		\$ 59,152,225
Sep-25	65,694,406		\$ 64,265,095
Oct-25	70,793,761		\$ 69,391,127
Nov-25	75,893,116		\$ 74,483,997
Dec-25	80,992,471		\$ 79,576,867
Jan-26	86,091,826		\$ 84,669,737
Feb-26	91,186,181		\$ 89,757,607
Mar-26	96,780,536		\$ 95,345,477
Apr-26	102,374,891		\$ 100,933,347
May-26	107,994,246		\$ 106,521,217
Jun-26	114,113,601		\$ 112,610,087
Jul-26	120,232,956		\$ 118,692,977
Aug-26	126,352,311		\$ 124,761,847
Sep-26	132,436,666		\$ 130,830,717
Oct-26	138,511,021		\$ 136,889,587
Nov-26	144,585,376		\$ 142,947,062
Dec-26	150,659,731		\$ 149,005,932
Jan-27	156,734,086		\$ 155,064,802
Feb-27	162,808,441		\$ 161,123,672
Mar-27	168,882,796		\$ 167,182,542
Apr-27	175,682,151		\$ 173,966,412
May-27	182,081,519		\$ 180,350,295
Jun-27	188,466,954		\$ 186,720,245
Jul-27	195,352,389		\$ 193,590,195
Aug-27	202,444,893		\$ 200,677,214
Sep-27	209,309,051		\$ 207,538,924
Oct-27	211,533,127		\$ 209,850,281
Nov-27	211,724,543		\$ 211,593,127
Dec-27	211,915,958		\$ 211,784,543
Jan-28	211,915,958		\$ 211,915,958
<b>Total:</b>	<b>\$ 211,915,958</b>	<b>\$ 8,563,323</b>	<b>\$ 211,915,958</b>



Code	Division	Division Costs	Subdivision Costs	Internal Budget Transfers	External Changes (Add/Deduct)	Revised Budget	Expenditures Preconstruction	Expenditures AFP 1	Remaining Funds
	Preconstruction Fee - Schematic Design	\$ 57,400.00			\$ 4,288.00	\$ 61,688.00	\$ 61,688.00		\$ -
	Preconstruction - DD-CD	\$ 300,000.00			\$ 41,991.25	\$ 341,991.25	\$ 171,662.72		\$ 170,328.53
						\$ -			
	Construction Budget					\$ -			
0502-0010	CM Fee	\$ 257,844.00				\$ 257,844.00			
0502-0020	Insurances and Bonds	\$ 367,177.00				\$ 367,177.00			
	Builder's Risk Insurance					\$ -			
	CCIP & SDI Insurances					\$ -			
	P&P Bond					\$ -			
Varies	Allowances					\$ -			
0502-0030	GMP Contingency	\$ 314,443.00				\$ 314,443.00			
0502-0100	Division 1 - General Conditions	\$ 2,724,207.00				\$ 2,724,207.00			
0502-0100	Division 1 - General Requirements	\$ 490,328.00				\$ 490,328.00			
0502-0200	Division 2 - Existing Conditions (Demo/Abatement)	\$ 6,098,087.00				\$ 6,098,087.00			
0502-0300	Division 3 - Concrete					\$ -			
0502-0400	Division 4 - Masonry					\$ -			
0502-0500	Division 5 - Metals					\$ -			
	Structural Steel					\$ -			
	Miscellaneous Metals					\$ -			
0502-0600	Division 6 - Wood, Plastics & Composites (Millwork)					\$ -			
0502-0700	Division 7 - Thermal & Moisture Protection					\$ -			
	Waterproofing					\$ -			
	Roofing & Flashing					\$ -			
	Metal Panels					\$ -			
	Spray Fireproofing					\$ -			
0502-0800	Division 8 - Openings					\$ -			
	Curtainwall					\$ -			
	Glass & Glazing					\$ -			
	Doors, Frames and Hardware					\$ -			
0502-0900	Division 9 - Finishes					\$ -			
	Drywall/General Trades					\$ -			
	Resilient Flooring					\$ -			
	Tile					\$ -			
	Painting					\$ -			
	Acoustic Tile					\$ -			
	Wood Flooring					\$ -			
	Resinous Flooring					\$ -			
	Carpeting					\$ -			
0502-1000	Division 10 - Specialties					\$ -			
	Specialties					\$ -			
	Signage					\$ -			
	Overhead Doors					\$ -			
0502-1100	Division 11 - Equipment					\$ -			
	Food Service					\$ -			
	Gym Equipment					\$ -			
	Theater Equipment					\$ -			
0502-1200	Division 12 - Furnishings (Window Treatment)					\$ -			
0502-1400	Division 14 - Conveying Systems (Elevators)					\$ -			
0502-2100	Division 21 - Fire Protection					\$ -			
0502-2200	Division 22 - Plumbing	\$ 22,594.00				\$ 22,594.00			
0502-2300	Division 23 - HVAC	\$ 22,594.00				\$ 22,594.00			
0502-2600	Division 26 - Electrical	\$ 309,495.00				\$ 309,495.00			
0502-3100	Division 31 - Sitework	\$ 2,543,250.00				\$ 2,543,250.00			
0502-3200	Division 32 - Site Improvements					\$ -			
	Site Improvement					\$ -			
	Synthetic Grass Surfacing					\$ -			
0502-9900	Retainage					\$ -			

Totals \$13,507,419.00 \$ - \$ - \$ 46,279.25 \$13,553,698.25 \$ 233,350.72 \$ - \$ 170,328.53

**Log of Amendments - OPM**

Amendment #		Approved Amount	Vendor	Proposal Date	Code	Description	Amount Paid	Balance	% of Contract Amount Complete
Base		\$ 325,000.00	Leftfield Base Contract		OPMFSSD	Schematic Design	\$ 325,000.00	\$ -	100%
	Total Base:	\$ 325,000.00							
01		\$ 19,800.00	PM&C	8/18/2021	OPMFSSD	Cost Estimating Services for PSR & SD	\$ 19,800.00	\$ -	100%
	Total 01:	\$ 19,800.00							
02		\$ 1,084.04	Boston Business Printers		OPMFSSD	Printing Services for the PSR Submission	\$ 1,084.04	\$ -	100%
	Total 02:	\$ 1,084.04							
03		\$ 700,000.00	Leftfield - Extended Basic Services	7/11/2023	OPMDD	Design Development Phase	\$ 700,000	\$ -	100%
		\$ 1,045,000.00	Leftfield - Extended Basic Services	7/11/2023	OPMCD	Construction Documents Phase	\$ 460,000	\$ 585,000.00	44%
		\$ 175,000.00	Leftfield - Extended Basic Services	7/11/2023	OPMBID	Bidding Phase	\$ -	\$ 175,000.00	0%
		\$ 4,650,000.00	Leftfield - Extended Basic Services	7/11/2023	OPMCA	Construction Administration Phase	\$ -	\$ 4,650,000.00	0%
		\$ 180,000.00	Leftfield - Extended Basic Services	7/11/2023	OPMCLO	Closeout Phase	\$ -	\$ 180,000.00	0%
	Total 03:	\$ 6,750,000.00							
04		\$ 52,800.00	PM&C		OPMFSSD	Cost Estimating Services for DD		\$ 52,800.00	0%
	Total 04:	\$ 52,800.00							
	<b>TOTAL:</b>	<b>\$ 7,148,684.04</b>	<b>\$ 7,148,684.04</b>				<b>\$ 1,505,884.04</b>	<b>\$ 5,642,800.00</b>	<b>21%</b>

Log of Amendments - A/E

Amendment #	Approved Amount	Vendor	Proposal Date	Code	Description	Amount Paid	Balance	% of Contract Amount Complete
Base	\$ 408,215.00	Miller Dyer Spears Base Contract	01/26/21	AFSSD	Feasibility Study	\$ 408,215.00	\$ -	100%
	\$ 658,976.00	Miller Dyer Spears Base Contract	01/26/21	AFSSD	Schematic Design	\$ 658,976.00	\$ -	100%
	\$ 227,275.00	Miller Dyer Spears Base Contract	01/26/21	AFSSD	Reimbursable Services	\$ 220,741.81	\$ 6,533.19	97%
Total Base:	\$ 1,294,466.00							
01	\$ 1,650.00	Feldman	5/21/2021	AFSSD	Garage Slab Deflection Survey	\$ 1,650.00	\$ -	100%
Total 01:	\$ 1,650.00							
02	\$ 26,400.00	Feldman	05/13/21	AFSSD	AS-Build Garage Conditions Survey	\$ 26,400.00	\$ -	100%
Total 02:	\$ 26,400.00							
03	\$ 44,000.00	CDM Smith	1/3/2022	AFSSD	Geothermal Feasibility Study	\$ 44,000.00	\$ -	100%
	\$ 90,750.00	Vanasse & Associates	1/3/2022	AFSSD	School Street Modification Study	\$ 90,335.80	\$ 414.20	100%
Total 03:	\$ 134,750.00							
04	\$ 1,647.12	GGD	06/21/22	AFSSD	Hydrant Flow Test	\$ 1,647.12	\$ -	100%
Total 04:	\$ 1,647.12							
05	\$ 6,204.99	Miller Dyer Spears Base	7/11/2023	AFSSD	Reimbursable Services	\$ -	\$ 6,204.99	0%
Total 05:	\$ 6,204.99							
06	\$ 3,705,919.00	MDS - Extended Basic Services	7/11/2023	ADD	Design Development Phase	\$ 3,705,919	\$ -	100%
	\$ 6,229,098.00	MDS - Extended Basic Services	7/11/2023	ACD	Construction Documents Phase	\$ 1,180,000	\$ 5,049,098.00	19%
	\$ 394,247.00	MDS - Extended Basic Services	7/11/2023	ABID	Bidding Phase	\$ -	\$ 394,247.00	0%
	\$ 5,046,358.00	MDS - Extended Basic Services	7/11/2023	ACA	Construction Administration Phase	\$ -	\$ 5,046,358.00	0%
	\$ 394,247.00	MDS - Extended Basic Services	7/11/2023	ACLO	Closeout Phase	\$ -	\$ 394,247.00	0%
	\$ 746,000.00	Reimbursable Services	7/11/2023	ARE	Other Reimbursables	\$ 191,980	\$ 554,019.83	26%
	\$ 173,157.00	Reimbursable Services	7/11/2023	AHM	Hazardous Materials	\$ 6,366	\$ 166,790.97	4%
	\$ 509,883.00	Reimbursable Services	7/11/2023	AGEO	Geotechnical/Geo-environmental	\$ 26,721	\$ 483,162.22	5%
	\$ 54,780.00	Reimbursable Services	7/11/2023	ASUR	Site Survey & Site Requirements	\$ 26,216	\$ 28,563.70	48%
	\$ 13,750.00	Reimbursable Services	7/11/2023	ATRF	Traffic Studies	\$ 13,750	\$ -	100%
Total 06:	\$ 17,267,439.00							
<b>TOTAL:</b>	<b>\$ 18,732,557.11</b>	<b>\$ 18,732,557.11</b>				\$ 6,602,918.01	\$ 12,129,639.10	35%

Log of Amendments - CM

Amendment #	Approved Amount	Vendor	Proposal Date	Code	Description	Amount Paid	Balance	% of Contract Amount Complete
Base	\$ 57,400.00	Consigli	05/17/22	ENVIRO	Schematic Design - Preconstruction Services	\$ 57,400.00	\$ -	100%
Total Base:	\$ 57,400.00							
01	\$ 4,288.00	Consigli	8/9/2022	ENVIRO	Destructive HAZMAT Exploratory Services	\$ 4,288.00	\$ -	100%
Total 01:	\$ 4,288.00							
02	\$ 300,000.00	Consigli	7/11/2023	CMPC	Extended Preconstruction Services	\$ 171,662.72	\$ 128,337.28	57%
Total 02:	\$ 300,000.00							
03	\$ 29,842.54	Consigli	10/10/2023	CMPC	Additional HAZMAT & Structural Exploratory Services (CM Amendment 3)	\$ 29,842.54	\$ -	100%
Total 03:	\$ 29,842.54							
04	\$ 6,820.18	Consigli	2/13/2024	CMPC	Additional Exploratory Services (CM Amendment 4)	\$ 6,820.18	\$ -	100%
Total 04:	\$ 6,820.18							
05	\$ 5,328.53	Consigli	3/12/2024	CMPC	Additional Exploratory Services (CM Amendment 5)	\$ 5,328.53	\$ -	100%
Total 05:	\$ 5,328.53							
06	\$130,150,019.00	Consigli	4/9/2024	CMCON	Pre-GMP #1 (CM Amendment 6)		\$130,150,019.00	0%
Total 06:	\$130,150,019.00							
<b>TOTAL:</b>	<b>\$130,553,698.25</b>					\$ 275,341.97	\$130,278,356.28	0%

Pierce School  
Swing Space Budget Tracking

March 31, 2024

Code	School	Description	Budget	Internal Budget Transfers	External Changes (Add/Deduct)	Revised Budget	Expenditures	Remaining Budget	Comments
0603-0000	Old Lincoln	Outside Area/Fence	\$ 15,000.00			\$ 15,000.00			
		Gym/Open Folding Door	\$ 1,000.00			\$ 1,000.00			Pappas Quote; Backboard?
		Re-Key/Door Hardware - (incl. Newbury)	\$ 25,000.00			\$ 25,000.00			Includes Newbury
		Flooring	\$ 32,598.00			\$ 32,598.00			Auditorium Flooring Removed
		Smaller Toilets				\$ -			Not Needed
		Add Sinks				\$ -			Not Needed
		Auditorium Ceiling				\$ -			In-House
		Clean School				\$ -			In-House -Custodians -Zach
		Deep Clean Auditorium Carpet				\$ -			In-House -Custodians
		Cover/Disconnect Eye Wash Stations/Cover Hot Water Line Art				\$ -			In-House -Plumber
		<b>OLD LINCOLN SUBTOTAL:</b>	<b>\$ 73,598.00</b>			<b>\$ 73,598.00</b>			
0603-0000	Newbury	Security /Aiphones/Cameras	\$ 26,528.00			\$ 26,528.00			
		Elevator	\$ 150,000.00			\$ 150,000.00			
		HVAC Upgrades	\$ 75,000.00			\$ 75,000.00			
		Architect Review Usage	\$ 10,000.00			\$ 10,000.00			
		Code Adjustments (Life Safety)	\$ 50,000.00			\$ 50,000.00			
		Code Adjustments (Accessibility)	\$ 50,000.00			\$ 50,000.00			
		Additional Sinks/Nurse				\$ -			Not Needed
		Additional Power Needs	\$ 25,000.00			\$ 25,000.00			
		Additional Network Needs	\$ 25,000.00			\$ 25,000.00			
		Paint Misc.	\$ 12,500.00			\$ 12,500.00			
		Flooring Misc.	\$ 58,322.00			\$ 58,322.00			
		Divide Classrooms 3	\$ 23,570.00			\$ 23,570.00			
		Fencing Area Off/Gates				\$ -			See Below
		DPW - Open Front Street/Fence	\$ 7,500.00			\$ 7,500.00			
		Seal Off Shop Area from School/Kids in Atrium/Stairs				\$ -			
		Small Wall by Elevator Classroom	\$ 5,410.00			\$ 5,410.00			
		Student Lounge/NESS Door				\$ -			Not Needed
		AC 126 - Glass Wall				\$ -			Not Needed
		AC 127 Staircase - Glass Wall	\$ 2,500.00			\$ 2,500.00			In-House -Jackson Estimate
		AC 129 Staircase - Glass Wall	\$ 2,500.00			\$ 2,500.00			In-House -Jackson Estimate
		Stairwell Barriers	\$ 10,000.00			\$ 10,000.00			Mount Security Cameras and Gates
		Lower Level Side Light Frames/Dividers from Stairs NESS	\$ 47,910.00			\$ 47,910.00			
		Lower Level Entrances/Walls - NESS	\$ 25,000.00			\$ 25,000.00			
		Busses	\$ 700,000.00			\$ 700,000.00			Lower Quote
		Pierce Library Move	\$ 55,000.00			\$ 55,000.00			
		Pierce Move	\$ 50,000.00			\$ 50,000.00			
		Move Documents out of Primary	\$ 12,500.00			\$ 12,500.00			
		HR Document Storage	\$ 22,000.00			\$ 22,000.00			
		Portable Water Needed at Gym	\$ 5,000.00			\$ 5,000.00			
		Clean Newbury				\$ -			In-House Deep Clean -Custodians
		Add Bottle Fillers to One Fountain each Level				\$ -			In-House -Plumber
		Relo/Install 18 Monitors	\$ -		\$ 14,651.30	\$ 14,651.30			Relocation of 18 Monitors from Driscoll to Install at Newbury Campus - Hub Technology
		<b>NEWBURY SUBTOTAL:</b>	<b>\$ 1,451,240.00</b>	<b>\$ -</b>	<b>\$ 14,651.30</b>	<b>\$ 1,465,891.30</b>			
		<b>Commitments in Bold</b>	<b>\$ 1,098,838.00</b>	<b>\$ -</b>	<b>\$ 14,651.30</b>	<b>\$ 1,113,489.30</b>			
		<b>GRAND TOTAL:</b>	<b>\$ 1,524,838.00</b>	<b>\$ -</b>	<b>\$ 14,651.30</b>	<b>\$ 1,539,489.30</b>			

**JOHN R. PIERCE SCHOOL  
PRELIMINARY PROJECT SCHEDULE  
60% Construction Documents Phase  
March 31, 2024**

ID	Task Name	Start	Finish	2019				2020				2021				2022				2023				2024				2025				2026				2027				2028				2029				2030				2031
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1									
1	<b>Eligibility Period</b>	<b>Mon 6/3/19</b>	<b>Wed 8/12/20</b>	Eligibility Period																																																
2	MSBA Invitation to Eligibility Period	Mon 6/3/19	Mon 6/3/19	MSBA Invitation to Eligibility Period																																																
3	Initial Compliance Certification	Thu 12/12/19	Thu 12/12/19	Initial Compliance Certification																																																
4	Study Enrollment Certification	Fri 12/13/19	Wed 3/25/20	Study Enrollment Certification																																																
5	MSBA Invitation to Conduct Feasibility Study	Wed 4/15/20	Wed 4/15/20	MSBA Invitation to Conduct Feasibility Study																																																
6	City Appropriation of Funds for Feasibility Study	Mon 5/11/20	Mon 5/11/20	City Appropriation of Funds for Feasibility Study																																																
7	Execution of Feasibility Study Agreement	Tue 5/12/20	Wed 8/12/20	Execution of Feasibility Study Agreement																																																
8	<b>OPM Selection</b>	<b>Thu 4/16/20</b>	<b>Tue 11/10/20</b>	OPM Selection																																																
9	OPM RFS Process	Thu 4/16/20	Thu 5/28/20	OPM RFS Process																																																
10	OPM RFS Advertisement (Submit - Appears)	Fri 5/29/20	Thu 6/4/20	OPM RFS Advertisement (Submit - Appears)																																																
11	OPM Proposals Due	Thu 6/18/20	Thu 6/18/20	OPM Proposals Due																																																
12	OPM Proposals Review, Interviews, Ranking, Submittal to MSBA & Negotiations with OPM	Thu 6/18/20	Wed 7/8/20	OPM Proposals Review, Interviews, Ranking, Submittal to MSBA & Negotiations with OPM																																																
13	OPM Fee Proposal & Contract Submitted	Thu 7/9/20	Fri 7/17/20	OPM Fee Proposal & Contract Submitted																																																
14	MSBA OPM Panel Presentation	Mon 9/14/20	Mon 9/14/20	MSBA OPM Panel Presentation																																																
15	MSBA OPM Approval Letter	Tue 9/15/20	Tue 9/15/20	MSBA OPM Approval Letter																																																
16	Execute OPM Contract	Tue 11/10/20	Tue 11/10/20	Execute OPM Contract																																																
17	<b>Designer Selection</b>	<b>Wed 9/16/20</b>	<b>Wed 3/10/21</b>	Designer Selection																																																
18	Prepare & Submit Draft Designer RFS to MSBA	Wed 9/16/20	Thu 9/24/20	Prepare & Submit Draft Designer RFS to MSBA																																																
19	MSBA Designer RFS Review Period	Fri 9/25/20	Wed 9/30/20	MSBA Designer RFS Review Period																																																
20	Final Designer RFS to MSBA	Thu 10/1/20	Thu 10/1/20	Final Designer RFS to MSBA																																																
21	Designer RFS Advertisement (Submit - Appears)	Thu 10/1/20	Wed 10/7/20	Designer RFS Advertisement (Submit - Appears)																																																
22	Select Local Representatives for DSP	Tue 10/6/20	Tue 10/6/20	Select Local Representatives for DSP																																																
23	Designer Proposals Due	Wed 11/4/20	Wed 11/4/20	Designer Proposals Due																																																
24	Review Designer Proposals and Check References	Thu 11/5/20	Wed 11/11/20	Review Designer Proposals and Check References																																																
25	Submit DSP Materials to DSP	Thu 11/12/20	Thu 11/12/20	Submit DSP Materials to DSP																																																
26	Designer Selection Panel (DSP) Meeting	Tue 12/1/20	Tue 12/1/20	Designer Selection Panel (DSP) Meeting																																																
27	DSP Interview	Tue 12/15/20	Tue 12/15/20	DSP Interview																																																
28	Negotiate and Approve Designer Contract/NTP	Wed 12/16/20	Tue 1/26/21	Negotiate and Approve Designer Contract/NTP																																																
29	MSBA Project Kick-Off Meeting	Thu 2/4/21	Thu 2/4/21	MSBA Project Kick-Off Meeting																																																
30	Send Contract and BRR to MSBA	Wed 3/10/21	Wed 3/10/21	Send Contract and BRR to MSBA																																																
31	<b>Preliminary Design Program (PDP)</b>	<b>Mon 12/14/20</b>	<b>Tue 7/20/21</b>	Preliminary Design Program (PDP)																																																
32	Designer Work Plan/Existing Conditions Drawings/Files Research/Review	Mon 12/14/20	Mon 2/1/21	Designer Work Plan/Existing Conditions Drawings/Files Research/Review																																																
33	Develop Preliminary Design Program	Tue 2/2/21	Mon 6/14/21	Develop Preliminary Design Program																																																
34	SBC Vote to Submit PDP	Mon 6/14/21	Mon 6/14/21	SBC Vote to Submit PDP																																																
35	Submit PDP Submission to MSBA (Min. 10 Weeks Prior to PSR)	Tue 6/15/21	Tue 6/15/21	Submit PDP Submission to MSBA (Min. 10 Weeks Prior to PSR)																																																
36	MSBA PDP Review Period	Wed 6/16/21	Tue 7/6/21	MSBA PDP Review Period																																																
37	Respond to MSBA PDP Review Comments	Wed 7/7/21	Tue 7/20/21	Respond to MSBA PDP Review Comments																																																
38	<b>Preferred Schematic Report (PSR)</b>	<b>Wed 6/16/21</b>	<b>Wed 3/2/22</b>	Preferred Schematic Report (PSR)																																																
39	Develop Preferred Schematic Schematic Report	Wed 6/16/21	Wed 11/17/21	Develop Preferred Schematic Schematic Report																																																
40	Prepare and Submit Project Notification to Mass Historical Commission and Receive MHC Response	Wed 12/8/21	Tue 1/4/22	Prepare and Submit Project Notification to Mass Historical Commission and Receive MHC Response																																																
41	SBC Vote to Submit PSR	Mon 12/13/21	Mon 12/13/21	SBC Vote to Submit PSR																																																
42	Submit PSR Submission to MSBA	Tue 12/28/21	Tue 12/28/21	Submit PSR Submission to MSBA																																																
43	MSBA PSR Review Period	Tue 12/28/21	Mon 1/17/22	MSBA PSR Review Period																																																
44	Respond to MSBA PSR Review Comments	Tue 1/18/22	Mon 1/31/22	Respond to MSBA PSR Review Comments																																																
45	Facilities Assessment Subcommittee (FAS) Presentation	Wed 2/2/22	Wed 2/2/22	Facilities Assessment Subcommittee (FAS) Presentation																																																
46	Address FAS Comments	Thu 2/3/22	Thu 2/10/22	Address FAS Comments																																																
47	MSBA Board Vote on PSR & Approval to Move to Schematic Design	Wed 3/2/22	Wed 3/2/22	MSBA Board Vote on PSR & Approval to Move to Schematic Design																																																
48	<b>Schematic Design (SD)</b>	<b>Thu 3/3/22</b>	<b>Wed 12/21/22</b>	Schematic Design (SD)																																																
49	Develop Schematic Design Submission(* Start in Jan.)	Thu 3/3/22	Fri 7/8/22	Develop Schematic Design Submission(* Start in Jan.)																																																
50	SD Cost Estimates, Reconciliation and VE	Mon 7/11/22	Mon 8/8/22	SD Cost Estimates, Reconciliation and VE																																																



**JOHN R. PIERCE SCHOOL  
PRELIMINARY PROJECT SCHEDULE  
60% Construction Documents Phase  
March 31, 2024**

ID	Task Name	Start	Finish	2019				2020				2021				2022				2023				2024				2025				2026				2027				2028				2029				2030				2031
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						
99	<b>CM at Risk Procurement Process (Or GC Below)</b>	<b>Mon 1/24/22</b>	<b>Fri 6/28/24</b>	<b>CM at Risk Procurement Process (Or GC Below)</b>																																																
100	SBC Approves Use of CM at Risk Delivery & Selection Committee	Mon 1/24/22	Mon 1/24/22	◆ SBC Approves Use of CM at Risk Delivery & Selection Committee																																																
101	CM At Risk Application & submit to OIG (If Applicable)	Tue 1/25/22	Mon 1/31/22	◆ CM At Risk Application & submit to OIG (If Applicable)																																																
102	Office of Inspector General Review & Approval	Fri 3/4/22	Tue 4/19/22	◆ Office of Inspector General Review & Approval																																																
103	CM at Risk RFQ Process	Thu 2/24/22	Thu 3/17/22	◆ CM at Risk RFQ Process																																																
104	CM at Risk SOQs Due	Thu 3/17/22	Thu 3/17/22	◆ CM at Risk SOQs Due																																																
105	CM at Risk RFP Process (If Applicable)	Fri 3/18/22	Fri 4/1/22	◆ CM at Risk RFP Process (If Applicable)																																																
106	CM at Risk Proposals Due	Fri 4/1/22	Fri 4/1/22	◆ CM at Risk Proposals Due																																																
107	CM Interviews (Notify CMs that all will be interviewed on this date in RFP)	Fri 4/8/22	Fri 4/8/22	◆ CM Interviews (Notify CMs that all will be interviewed on this date in RFP)																																																
108	CM Award/Notice to Proceed (*Contract Follows)	Tue 4/19/22	Tue 4/19/22	◆ CM Award/Notice to Proceed (*Contract Follows)																																																
109	Preconstruction	Tue 5/17/22	Fri 6/28/24	◆ Preconstruction																																																
110	<b>Trade Contractor Prequalifications</b>	<b>Mon 8/19/24</b>	<b>Wed 10/23/24</b>	<b>Trade Contractor Prequalifications</b>																																																
111	Advertise Trade Contractors RFQ	Mon 8/19/24	Tue 8/27/24	◆ Advertise Trade Contractors RFQ																																																
112	Trade Contractor RFQ Advertisement & Response Time	Wed 8/28/24	Tue 9/24/24	◆ Trade Contractor RFQ Advertisement & Response Time																																																
113	Trade Contractors SOQ Due	Tue 9/24/24	Tue 9/24/24	◆ Trade Contractors SOQ Due																																																
114	Review Trade Contractor SOQ	Wed 9/25/24	Tue 10/22/24	◆ Review Trade Contractor SOQ																																																
115	Prequalification Committee Review Meeting	Tue 10/22/24	Tue 10/22/24	◆ Prequalification Committee Review Meeting																																																
116	Notify Trade Contractors for Bidding	Wed 10/23/24	Wed 10/23/24	◆ Notify Trade Contractors for Bidding																																																
117	<b>Permitting and Regulatory Filing Requirement</b>	<b>Mon 3/18/24</b>	<b>Fri 10/18/24</b>	<b>Permitting and Regulatory Filing Requirement</b>																																																
118	Final Planning Board/ Zoning Board of Appeals	Mon 7/1/24	Fri 10/18/24	◆ Final Planning Board/ Zoning Board of Appeals																																																
119	Notice of Intent to Conservation Commission (Review based on Preliminary Site Design w/ Final Site Design due at 60% CD)	Mon 7/1/24	Fri 10/18/24	◆ Notice of Intent to Conservation Commission (Review based on Preliminary Site Design w/ Final Site Design due at 60% CD)																																																
120	Final Transportation Board Review	Mon 4/8/24	Fri 5/3/24	◆ Final Transportation Board Review																																																
121	NPDS Construction General Permit	Mon 3/18/24	Fri 5/17/24	◆ NPDS Construction General Permit																																																
122	Permits from City Engineering Department	Tue 5/7/24	Mon 6/10/24	◆ Permits from City Engineering Department																																																
123	EPA-NPDES/SWPPP - w/Early Construction	Mon 3/18/24	Fri 5/17/24	◆ EPA-NPDES/SWPPP - w/Early Construction																																																
124	Building Permit - w/Early Construction	Tue 6/11/24	Mon 7/1/24	◆ Building Permit - w/Early Construction																																																
125	<b>Bid Phase (Main Construction)</b>	<b>Mon 2/5/24</b>	<b>Mon 2/24/25</b>	<b>Bid Phase (Main Construction)</b>																																																
126	Early Bid Package Bid Period & Early GMP	Mon 2/5/24	Tue 4/23/24	◆ Early Bid Package Bid Period & Early GMP																																																
127	Main Bid Period	Thu 12/12/24	Wed 1/29/25	◆ Main Bid Period																																																
128	Final GMP Contract	Thu 1/30/25	Mon 2/24/25	◆ Final GMP Contract																																																
129	<b>Construction</b>	<b>Mon 7/8/24</b>	<b>Thu 12/23/27</b>	<b>Construction</b>																																																
130	Start Early Bid Package Construction	Mon 7/8/24	Fri 5/23/25	◆ Start Early Bid Package Construction																																																
131	Start Main Construction	Tue 3/25/25	Fri 10/29/27	◆ Start Main Construction																																																
132	Submit 50% DCAMM Contractor Evaluations	Mon 11/2/26	Fri 1/22/27	◆ Submit 50% DCAMM Contractor Evaluations																																																
133	Substantial Completion	Fri 10/29/27	Fri 10/29/27	◆ Substantial Completion																																																
134	FFE Installation & Move	Fri 10/29/27	Thu 12/23/27	◆ FFE Installation & Move																																																
135	Punchlist	Mon 11/1/27	Fri 11/26/27	◆ Punchlist																																																
136	Final Completion of New School	Mon 11/1/27	Fri 11/26/27	◆ Final Completion of New School																																																
137	Teacher Move-In	Mon 11/29/27	Fri 12/10/27	◆ Teacher Move-In																																																
138	<b>School Opening</b>	<b>Mon 1/3/28</b>	<b>Mon 1/3/28</b>	<b>School Opening</b>																																																
139	<b>Project Closeout Phase</b>	<b>Mon 11/29/27</b>	<b>Fri 3/10/28</b>	<b>Project Closeout Phase</b>																																																
140	Prepare and Submit Closeout Documents	Mon 11/29/27	Fri 2/4/28	◆ Prepare and Submit Closeout Documents																																																
141	Final Application for Payment	Fri 2/4/28	Fri 2/4/28	◆ Final Application for Payment																																																
142	Submit 100% DCAMM Contractor Evaluations	Mon 11/29/27	Fri 12/10/27	◆ Submit 100% DCAMM Contractor Evaluations																																																
143	Final Reimbursement Request	Fri 2/4/28	Fri 2/4/28	◆ Final Reimbursement Request																																																
144	MSBA Closeout Documents Submitted	Mon 2/7/28	Fri 3/10/28	◆ MSBA Closeout Documents Submitted																																																

Project Number: 2101

updated as of 3/31/24

Project Name: Brookline Pierce School

Company Name: MDS-Sasaki (including Consultants)

Company Name	Workforce Participation				
	Minority Hours	Minority %	Women Hours	Women %	Total Hours
MDS	1507.75	7.24%	12964.5	62.29%	20814
Sasaki	3869	39.21%	5342	54.13%	9868
A.M. Fogarty	0	0.00%	0	0.00%	281.5
Hastings	0	0.00%	0	0.00%	18
GEI	0	0.00%	0	0.00%	10
GGD	30	0.72%	169	4.04%	4187.75
LGCI	65.8	37.75%	0	0.00%	174.3
Feldman Land Surveyors	16	4.01%	8	2.01%	399
PEER Consultants, MBE/WBE	0	0.00%	1	0.21%	469
Souza True & Partners Inc.	44	5.21%	59	6.98%	845
New Vista Design	15	12.50%	15	12.50%	120
Pamela Perini Consulting		0.00%	35	23.33%	150
RDH	93	12.62%	121	16.42%	737
Thornton Tomasetti	0	0.00%	104	100.00%	104
Vanasse & Associates, Inc.	444.5	39.77%	454.5	40.66%	1117.75
Total	6085.05	159.02%	19273	322.57%	39295.3