

Project Minutes

Project: New Stoneham High School
 Prepared by: Joel Seeley
 Re: School Building Committee Meeting
 Location: Central Middle School Media Center and
 Remote Participation
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 8/15/2022
 Time: 7:00pm
 Meeting No: 53

Attendees:

PRESENT	NAME	AFFILIATION	VOTING MEMBER
✓	Marie Christie	Co-Chair, School Building Committee	Voting Member
✓	David Bois	Co-Chair, School Building Committee; Community Member with Architecture Experience	Voting Member
✓	Nicole Nial	School Committee Member	Voting Member
✓	Raymie Parker	Select Board Member	Voting Member
✓	Douglas Gove	Community Member with Engineering Experience	Voting Member
✓	Stephen O'Neill	Vice-Chair, Community Member with Engineering Experience	Voting Member
✓	Josephine Thomson	Community Member	Voting Member
	Jeanne Craigie	Town Moderator	Voting Member
✓	Lisa Gallagher	Community Member, School Secretary, Past member of Middle School Building Committee	Voting Member
✓	Sharon Iovanni	Community Member	Voting Member
Remote	Cory Mashburn	Community Member, Finance and Advisory Board	Voting Member
✓	Paul Ryder	Community Member with Construction Experience	Voting Member
Remote	David Pignone	Select Board Member, Athletic Director, Member knowledgeable in educational mission and function of facility	Voting Member
	Kevin Yianacopolus	Local Official responsible for Building Maintenance	Voting Member
Remote	Dennis Sheehan	Town Administrator	Non-Voting Member
Remote	Leia DiLorenzo-Secor	Town Budget Director	Non-Voting Member
Remote	David Ljungberg	Superintendent of Schools, Secretary of School Building Committee	Non-Voting Member
Remote	Bryan Lombardi	Stoneham High School Principal	Non-Voting Member
✓	Brian McNeil	Town Facilities Director	Non-Voting Member
✓	April Lanni	Town Procurement Officer / MCPPO Certified	Non-Voting Member
✓	Brooke Trivas	Perkins and Will	
✓	Patrick Cunningham	Perkins and Will	
	Stephen Messinger	Perkins and Will	
✓	Kristy Lyons	Consigli Construction	
✓	Todd McCabe	Consigli Construction	
	Steve Banak	Consigli Construction	
✓	Mark Stafford	SMMA	
	Robert Smith	SMMA	
✓	Joel Seeley	SMMA	

Item #	Action	Discussion
53.1	Record	Call to Order, 7:00 PM, meeting opened.
53.2	Record	This meeting will be held via video conference and in-person and a recording of such will be posted on the Town's website.
53.3	J. Seeley	A motion was made by S. Iovanni and seconded by R. Parker to approve the 7/25/22 School Building Committee meeting minutes with the following correction: J. Thomson attended the meeting in-person and not remotely. No discussion, motion passed unanimous.
53.4	Record	J. Seeley reviewed the Budget Status Report, dated 7/31/22, attached.
53.5	Record	<p>J. Seeley reviewed Warrant No. 30, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> D. Bois asked J. Seeley to review the construction requisition review process. <i>J. Seeley indicated that Consigli collects each subcontractor requisition and compiles them into an overall draft requisition, which is then submitted to P&W and SMMA for review. P&W and SMMA review against the work in place and then provide comments to Consigli, which are resolved in a meeting at the site. Once the comments are resolved, Consigli then submits the final requisition for processing.</i> S. Iovanni asked if the cost items shown on the requisition match the Bid Package No. 1 values? <i>J. Seeley indicated yes.</i> <p>A motion was made by S. Iovanni and seconded by R. Parker to approve Warrant No. 30. No discussion, motion passed unanimous.</p>
53.6	Record	<p>J. Seeley reviewed Change Order No. 01, dated 8/10/22, in the amount of \$0.00, Change Order Description Form and Change Order, Change Order Contingency, GMP Contingency and Allowance Budget Summary Form, all attached.</p> <p>A motion was made by P. Ryder and seconded by N. Nial to approve Change Order No. 01, dated 8/10/22, in the amount of \$0.00 and recommend signature by D. Sheehan. No discussion, motion passed unanimous.</p>
53.7	B. Trivas	B. Trivas working on layout of delivery trucks and dumpsters at the loading dock and will provide for review. <i>(from prior meeting)</i>
53.8	D. Warner	D. Warner will have page turn with the SSBC to review list of trees. <i>(from prior meeting)</i>
53.9	D. Warner	D. Warner will have page turn with the SSBC to review layout of the Japanese Dogwoods. <i>(from prior meeting)</i>

Item #	Action	Discussion
53.10	B. Trivas	B. Trivas indicated the batting cage is not over the main court and will provide an updated plan for review. <i>(from prior meeting)</i>
53.11	Committee Members	Committee members to send any additional items to be removed and salvaged to B. McNeil to add to the Preliminary List of Salvaged Items. <i>(from prior meeting)</i>
53.12	P. Cunningham	P. Cunningham will review the coping material, the detail around the windows, control joint locations, texture of the CMU around the windows and present to the SSBC at an upcoming meeting. <i>(from prior meeting)</i>
53.13	K. Lyons	K. Lyons to develop a process chart to address how impediments to the construction schedule due to material availability will be addressed. <i>(from prior meeting)</i>
53.14	J. Seeley	J. Seeley to follow-up with J. Macero on how the \$500,000 for the District Offices, \$500,000 for the High School project and \$300,000 for the Amphitheater, in the Bill introduced by Representative Day, were arrived at. <i>(from prior meeting)</i>
53.15	J. Seeley	J. Seeley to follow-up with J. Craigie if the drone videos she has been making with an acquaintance can be flown from a similar vantage point. <i>(from prior meeting)</i>
53.16	T. McCabe B. Trivas J. Seeley	<p>B. Trivas indicated the geotechnical engineer reviewed the question from 43 Fieldstone Drive relative to the impact of blasting on the ground water to the several houses along Fieldstone Drive that have sump pumps in their basements due to existing ground water infiltration. B. Trivas read the following from the geotechnical engineer: The team cannot say with 100 percent certainty that there will be no effect, but based on past experience, groundwater at individual houses is not typically affected more than 100 feet away from the blast sites. There are many factors that affect groundwater including foundation type, depth, whether the foundation rests on soil or on rock, the presence of discontinuities in the rock, depth to groundwater, and distance from blast site. The relationship to the solid rock and the continuity of rock from the blast site to the foundation site, the only way the foundations could be adversely affected is if there is a perfectly aligned rock fracture that emanates from the blast site directly to the foundation which is extremely unlikely given the blast location proximity, the houses and the solid rock depths.</p> <p>T. McCabe indicated Consigli and their subcontractors are following the State and Town of Stoneham requirements related to blasting. They have mailed offers to perform pre-blast existing condition surveys to over 150 neighbors and so far have</p>

Item #	Action	Discussion
		<p>received approximately 50 responses requesting the survey and have completed the majority.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. D. Gove asked if 43 Fieldstone Drive requested the survey? <i>T. McCabe will confirm.</i> 2. S. Iovanni asked if the geotechnical engineer review has been shared with 43 Fieldstone Drive? <i>B. Trivas indicated no it has not been shared. B. Trivas and T. McCabe to develop a combined written response to share. J. Seeley will forward to 43 Fieldstone Drive once developed.</i> 3. M. Christie asked that the response be shared with the attendees to the 7/20/22 Neighborhood Meeting. <i>J. Seeley will follow-up once developed.</i>
53.17	Record	<p>J. Seeley reviewed the Permanent Power Routing Across Franklin Street Plan, attached, indicating the two-step process for Eversource to cross Franklin Street and their replacement of the existing utility pole at Franklin Place with a taller utility pole to support the first step installation for the new 3-phase service.</p>
53.18	Record	<p>J. Seeley reviewed the Docking Station Cost Estimate for VE Item D-050 Emergency Generator from Consigli, attached. The VE Item D-050 Emergency Generator savings of \$139,003 will need to be offset by the \$103,466 Docking Station add, resulting in the VE Item providing \$35,537 in savings.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> 1. D. Bois asked if during a warming/cooling center event in which PV System is generating power, can the PV System operate the warming/cooling center areas and not the emergency generator? <i>P. Cunningham will review with Nexamp and BALA.</i> 2. B. Trivas to confirm what areas of the building are being warmed/cooled. 3. D. Bois asked that the specific design parameters be provided for the areas of the building that are being warmed/cooled, such as indoor temperature. 4. D. Gove asked if the emergency generator tank size can be increased to be able to run 48 hours under load in lieu of the 24 hours? <i>D. Bois indicated that may not be desirable to have that much fuel sit in the tank for potentially long periods between warming/cooling center events.</i> 5. N. Nial asked if there were any grants or federal funds to support the cost of the emergency shelter?

Item #	Action	Discussion
		<p><i>B. Trivas indicated the facility is not a FEMA emergency shelter, it is a warming/cooling center.</i></p> <p>A motion was made by R. Parker and seconded by N. Nial to rescind approval of VE Item D-050 Emergency Generator and keep the 1000 kW Emergency Generator. No discussion, motion passed unanimous.</p>
53.19	Record	<p>T. McCabe reviewed Amendment No. 2 to the Owner-Construction Manager Agreement for the Early Concrete and Steel Package and GMP Document in the amount of \$19,829,643, dated 8/15/22 and attached. The GMP reflects an overage of \$2,909,761 above the re-balanced 60% Construction Document Early Concrete and Steel Package Cost Estimate. T. McCabe indicated the steel delivery and installation schedule provided by the steel bidder delays the new school substantial completion date two weeks to 6/28/24, the other steel bidders were higher cost and did not have better schedules and that Consigli will continue to look for schedule efficiencies to bring the schedule back to the 6/14/24 substantial completion date. J. Seeley indicated the Amendment No. 2 document form is being reviewed by Town Counsel.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"><li data-bbox="511 1031 1398 1125">1. D. Gove asked how long are the subcontractors holding their bids? <i>T. McCabe indicated the steel subcontractor will only hold their bid for two weeks.</i><li data-bbox="511 1150 1370 1278">2. D. Bois asked for confirmation from the design team on agreement with Assumption and Qualification items 18, 19, 20, 21, 26, 28 and 36. <i>B. Trivas and P. Cunningham confirmed agreement with the Assumption and Qualification items.</i> <p>A motion was made by D. Gove and seconded by S. Iovanni to approve Amendment No. 2 to the Owner-Construction Manager Agreement for the Early Concrete and Steel Package and GMP Document in the amount of \$19,829,643, dated 8/15/22, and request signature by D. Sheehan. No discussion, motion passed unanimous.</p>
53.20	Record	<p>J. Seeley reviewed the list of Potential Cost Reduction Bid Alternates, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"><li data-bbox="511 1587 1386 1715">1. D. Gove indicated he would prefer CL-054c – Eliminate Spartan Stadium Building as a Bid Alternate, which is large enough to cover the Early Concrete and Steel Package overage and have some balance in case the 90% Construction Documents estimate is over.<li data-bbox="511 1740 1409 1799">2. D. Bois indicated CL-054c – Eliminate Spartan Stadium Building could be a clear request at Town Meeting.

Item #	Action	Discussion
		<p>3. S. Iovanni asked if there are programs that would be affected if Town Meeting does not fund the Spartan Stadium Building? <i>D. Pignone indicated yes, there will not be enough locker rooms to accommodate the program. He is very concerned with eliminating the Spartan Stadium Building and if Town Meeting does not approve, a backup plan needs to be developed.</i></p> <p>4. D. Pignone asked if additional funds from the Owner’s Change Order Contingency budget can be re-allocated to cover the overages? <i>D. Bois indicated using additional Owner’s Change Order Contingency budget for overages is very risky as the sitework has just begun and there still many unknowns. M. Christie indicated she did not believe Town Meeting would approve funding a project increase for contingencies.</i></p> <p>5. S. O’Neill indicated he is concerned that the 90% Construction Document cost estimate overage will be well in excess of the balance from CL-054c – Eliminate Spartan Stadium.</p> <p>A motion was made by D. Gove and seconded by N. Nial to approve CL-054c – Eliminate Spartan Stadium as a Bid Alternate. No discussion, motion passed with one abstention.</p>
53.21	B. Trivas	<p>J. Seeley reviewed the list of Potential Scope Reinstatement Bid Alternates and Potential Additive Alternate Survey Results, attached.</p> <p>A motion was made by S. O’Neill and seconded by N. Nial to approve CL-015/CL-027a – North Soccer Field Turf and Sports Lighting and CL-032 – Stevens Street Traffic Signal as Bid Alternates.</p> <p>1. S. Iovanni indicated that although the Stevens Street Traffic Signal was originally part of the project, she believes the funds required to reinstate would be better used on other prior VE items.</p> <p>2. D. Bois indicated there may be other sources of funds for the Stevens Street Traffic Signal other than going back to Town Meeting.</p> <p>A motion was made by S. O’Neill and seconded by P. Ryder to amend his motion to include CL-015/CL-027a – North Soccer Field Turf and Sports Lighting only as a Bid Alternate. No discussion, motion passed unanimous.</p> <p>A motion was made by S. O’Neill and seconded by N. Nial to approve CL-015/CL-027a – North Soccer Field Turf and Sports Lighting as a Bid Alternate. No discussion, motion passed unanimous.</p> <p>A motion was made by N. Nial and seconded by L. Gallagher to approve EN – 14 Community Terrace as a Bid Alternate. No discussion, motion passed unanimous.</p>

Item #	Action	Discussion
		<p>A motion was made by N. Nial and seconded by C. Mashburn to approve CL – 52 Visitors Bleachers as a Bid Alternate. No discussion, motion passed unanimous.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none">1. J. Seeley indicated that as these Bid Alternates are not for the purposes of reducing the construction cost to remain within budget, the design firm would be entitled to additional services to complete their design and include them in the Construction Documents.2. B. Trivas indicated the additional services would not be for just the scope reinstatement bid alternates, but for prior cost reduction changes including the pre-purchase specifications.3. D. Bois indicated before any additional fees are approved, Perkins & Will is to provide a fee breakdown for each of the scope reinstatement bid alternates.
53.22	B. Trivas K. Lyons J. Seeley	<p>J. Seeley reviewed the Upcoming Cost Events and Town Meeting Comparison documents, attached.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none">1. D. Gove asked if the Town Meeting were to be in January, would the subcontractors hold their bids until then? <i>T. McCabe indicated he believes the bidders would hold their bids, as the GMP was originally to be presented for approval the second week of January, but he will review and provide direction.</i>2. S. Iovanni indicated she believes the January Town Meeting date is preferable as all the construction bid costs would be known by then.3. M. Christie indicated she believes the DOR will only allow the town to go back to Town Meeting once without a ballot vote and that she prefers January.4. D. Bois asked if the full borrowing is required in order to award the GMP? <i>T. McCabe indicated the town would need to be able to execute the GMP.</i>5. P. Ryder indicated the January date is preferred.6. D. Bois asked that Consigli review what date in January would be preferable that allows them to fully descope the bids but does not risk the subcontractors not holding their bids. <i>T. McCabe will review and provide direction.</i>

Item #	Action	Discussion
		A motion was made by S. Iovanni and seconded by R. Parker to hold the Town Meeting, if needed to approve additional project funding, in January 2023. No discussion, motion passed unanimous.
53.23	Record	<p>K. Lyons reviewed the Electrical and HVAC Equipment Pre-Purchase Estimate, attached. The package includes the emergency generator, electrical switchgear, HVAC heat recovery units and HVAC heat recovery chiller. The package will be issued for Bid on 8/22/22.</p> <p>Committee Discussion:</p> <ol style="list-style-type: none"> D. Gove asked if the roofing substrate will be part of this package? K. Lyons indicated no, the lead times would still be too far out. Consigli is reviewing alternative detailing with Perkins & Will. <p>A motion was made by R. Parker and seconded by N. Nial to approve Consigli to commence the Pre-Purchase process for Electrical and HVAC Equipment. No discussion, motion passed unanimous.</p>
53.24	B. Trivas J. Seeley	J. Seeley and B. Trivas reviewed the MSBA 60% Construction Documents Comments, attached and will issue the comments response package to MSBA by 8/23/22.
53.25	Record	<p>Construction Update</p> <p>M. Stafford provided a Construction Update, reviewed the letter to the Stoneham Independent from 7 Sunset Road and reviewed the Fall 2022 Traffic Plan, attached.</p>
53.26	Record	<p>Subcommittee Updates</p> <ol style="list-style-type: none"> J. Seeley reviewed the 8/1/22 Green Building Initiatives Meeting Minutes, attached.
53.27	Record	<p>Old or New Business</p> <ol style="list-style-type: none"> J. Seeley reviewed the Structural Peer Review Letter from LeMessurier Consultants, dated 7/28/22, attached.
53.28	Record	Committee Questions - none
53.29	Record	Public Comment – none
53.30	Record	Next SSBC Meeting: August 22, 2022 at 7:00 pm.
53.31	Record	A Motion was made by S. Iovanni and seconded by R. Parker to adjourn the meeting. No discussion, motion passed unanimous.

Attachments: Agenda, Budget Status Report, Warrant No. 30, Change Order No. 01, dated 8/10/22, in the amount of \$0.00, Change Order Description Form and Change Order, Change Order Contingency, GMP Contingency and Allowance Budget Summary Form, Permanent Power Routing Across Franklin Street Plan, Docking Station Cost Estimate for VE Item D-050 Emergency Generator, Amendment No. 2 to the Owner-Construction Manager

Project: New Stoneham High School

Meeting Date: 8/15/2022

Meeting No.: 53

Page No.: 9

Agreement for the Early Concrete and Steel Package and GMP Document, Potential Cost Reduction Bid Alternates, Potential Scope Reinstatement Bid Alternates and Potential Additive Alternate Survey Results, Upcoming Cost Events and Town Meeting Comparison, Electrical and HVAC Equipment Pre-Purchase Estimate, MSBA 60% Construction Documents Comments, Construction Update, Letter to the Stoneham Independent from 7 Sunset Road, Fall 2022 Traffic Plan, 8/1/22 Green Building Initiatives Meeting Minutes, Structural Peer Review Letter

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes

1000 Massachusetts Avenue
Cambridge, MA 02138
617.547.5400

www.smma.com

Agenda

Project:	New Stoneham High School	Project No.:	20033
Re:	School Building Committee Meeting	Meeting Date:	8/15/2022
Prepared by:	Joel Seeley	Meeting Time:	7:00 PM
Meeting Location:	Central Middle School Library & Remote Participation	Meeting No.	53
Distribution:	Attendees (MF)		

1. Call to Order
2. Approval of Minutes
3. Approval of Invoices and Commitments
4. Schedule and Budget Update
5. Review Design Refinements
 - Groundwater Follow-Up
 - PV Canopy Colors
 - Permanent Power Update
6. Review Value Engineering Follow-Up
7. Early Concrete and Steel Package Award
8. Review Bid Alternates
9. Project Funding Update
10. Town Meeting Discussion
11. Pre-Purchase Follow-Up
12. MSBA 60% Construction Documents Submission Comments
13. Construction Update
 - Neighborhood Update
 - Traffic Plan
14. Subcommittee Updates
15. New or Old Business
16. Committee Questions
17. Public Comments
18. Next Meeting: August 22, 2022
19. Adjourn

Join Go-To-Meeting: <https://meet.goto.com/848267917>

Dial-in: [+1 \(571\) 317-3122](tel:+15713173122) **Access Code:** 848-267-917

Symmes Maini & McKee Associates, Inc. (SMMA) Stoneham Public School District Stoneham High School BUDGET / Summary as of: 7/31/2022		Original PFA Budget 08/18/2021	Budget Revisions	Current Budget	Contract Amount	Expended	(B - C) Remaining Contract Amount	Additional Projected Amount	(A - B - E) Budget Balance
Propay code #	Name			A	B	C	D	E	
	Feasibility Study Agreement								
0001-0000	OPM Feasibility Study	187,500.00	(82,500.00)	105,000.00	105,000.00	105,000.00	-	-	-
0002-0000	A&E Feasibility Study	465,000.00	(45,000.00)	420,000.00	420,000.00	420,000.00	-	-	-
0003-0000	Environmental and Site	60,000.00	114,193.14	174,193.14	174,193.14	149,219.27	24,973.87	-	-
0004-0000	Other	37,500.00	13,306.86	50,806.86	49,051.36	49,051.36	-	-	1,755.50
	Feasibility Study Agreement Subtotal	\$ 750,000.00	\$ -	\$ 750,000.00	\$ 748,244.50	\$ 723,270.63	\$ 24,973.87	\$ -	\$ 1,755.50
	Administration								
0101-0000	Legal Fees	120,000.00		120,000.00	6,660.00	6,660.00	-	-	113,340.00
	Owner's Project Manager								
0102-0400	> Design Development	380,000.00		380,000.00	380,000.00	380,000.00	-	-	-
0102-0500	> Construction Contract Documents	640,000.00		640,000.00	640,000.00	268,800.00	371,200.00	-	-
0102-0600	> Bidding	180,000.00		180,000.00	180,000.00	-	180,000.00	-	-
0102-0700	> Construction Contract Administration	3,185,100.00		3,185,100.00	3,185,100.00	-	3,185,100.00	-	-
0102-0800	> Closeout	220,000.00		220,000.00	220,000.00	-	220,000.00	-	-
0102-0900	> Extra Services	140,000.00		140,000.00	-	-	-	-	140,000.00
0102-1000	> Reimbursable & Other Services	80,000.00		80,000.00	11,000.00	9,350.00	1,650.00	-	69,000.00
0102-1100	> Cost Estimates	-		-	-	-	-	-	-
0103-0000	Advertising	20,000.00		20,000.00	1,284.50	1,284.50	-	-	18,715.50
0104-0000	Permitting	120,000.00		120,000.00	231.00	231.00	-	-	119,769.00
0105-0000	Owner's Insurance	200,000.00		200,000.00	-	-	-	-	200,000.00
0199-0000	Other Administrative Costs	260,000.00		260,000.00	-	-	-	-	260,000.00
	Administration Subtotal	\$ 5,545,100.00	\$ -	\$ 5,545,100.00	\$ 4,624,275.50	\$ 666,325.50	\$ 3,957,950.00	\$ -	\$ 920,824.50
	Architecture and Engineering								
	Basic Services								
0201-0400	> Design Development	3,233,800.00		3,233,800.00	3,233,800.00	3,233,800.00	-	-	-
0201-0500	> Construction Contract Documents	4,921,000.00		4,921,000.00	4,921,000.00	2,108,997.90	2,812,002.10	-	-
0201-0600	> Bidding	1,124,800.00		1,124,800.00	1,124,800.00	-	1,124,800.00	-	-
0201-0700	> Construction Contract Administration	3,936,800.00		3,936,800.00	3,936,800.00	-	3,936,800.00	-	-
0201-0800	> Closeout	423,600.00		423,600.00	423,600.00	-	423,600.00	-	-
0201-9900	> Other Basic Services	-		-	-	-	-	-	-
	BASIC SERVICES SUBTOTAL	\$ 13,640,000.00	\$ -	\$ 13,640,000.00	\$ 13,640,000.00	\$ 5,342,797.90	\$ 8,297,202.10	\$ -	\$ -
	Reimbursable Services								
0203-0100	> Construction Testing	60,000.00	(8,500.00)	51,500.00	-	-	-	-	51,500.00
0203-0200	> Printing (over minimum)	40,000.00		40,000.00	-	-	-	-	40,000.00
0203-9900	> Other Reimbursable Costs	320,000.00	(7,700.00)	312,300.00	28,800.00	8,800.00	20,000.00	-	283,500.00
0204-0200	> Hazardous Materials	269,830.00		269,830.00	34,650.00	15,620.00	19,030.00	-	235,180.00
0204-0300	> Geotech & Geo-Env.	657,170.00		657,170.00	604,983.00	151,633.46	453,349.54	-	52,187.00
0204-0400	> Site Survey	44,000.00		44,000.00	44,000.00	44,000.00	-	-	-
0204-0500	> Wetlands	20,000.00		20,000.00	-	-	-	-	20,000.00
0204-1200	> Traffic Studies	209,000.00	7,700.00	216,700.00	216,700.00	83,242.69	133,457.31	-	-
	Architectural and Engineering Subtotal	\$ 15,260,000.00	\$ (8,500.00)	\$ 15,251,500.00	\$ 14,569,133.00	\$ 5,646,094.05	\$ 8,923,038.95	\$ -	\$ 682,367.00

Symmes Maini & McKee Associates, Inc. (SMMA) Stoneham Public School District Stoneham High School		Original PFA Budget 08/18/2021	Budget Revisions	Current Budget	Contract Amount	Expended	(B - C) Remaining Contract Amount	Additional Projected Amount	(A - B - E) Budget Balance
BUDGET / Summary as of: 7/31/2022									
0501-0000	Pre-Construction Services	\$ 258,528.00	\$ 8,500.00	267,028.00	267,028.00	166,194.00	100,834.00	-	\$ -
0502-0001	Construction Budget	\$ 153,418,660.00		\$ 153,418,660.00	\$ -	\$ -	\$ -	\$ -	\$ 153,418,660.00
CSI Code	CSI Description								
	Construction Budget Subtotal	\$ 153,418,660.00	\$ 8,500.00	\$ 153,418,660.00	\$ -	\$ -	\$ -	\$ -	\$ 153,418,660.00
	Alternates								
0506-0000	Alternates	-		-	-	-	-	-	-
	Alternates Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0600-0000	Miscellaneous Project Costs								
0601-0000	Utility Company Fees	200,000.00		200,000.00	140,451.45	137,463.95	2,987.50	-	59,548.55
0602-0000	Testing Services	560,000.00		560,000.00	220,000.00	-	220,000.00	-	340,000.00
0603-0000	Swing Space / Modulars	-		-	-	-	-	-	-
0699-0000	Other Project Costs (Mailing & Moving)	360,000.00		360,000.00	-	-	-	-	360,000.00
0600-0000	Miscellaneous Project Costs Subtotal	\$ 1,120,000.00	\$ -	\$ 1,120,000.00	\$ 360,451.45	\$ 137,463.95	\$ 222,987.50	\$ -	\$ 759,548.55
0700-0000	Furnishings and Equipment								
0701-0000	Furnishings	1,251,000.00		1,251,000.00	-	-	-	-	1,251,000.00
0702-0000	Equipment								
0703-0000	Computer Equipment	1,251,000.00		1,251,000.00	-	-	-	-	1,251,000.00
	Furnishings and Equipment Subtotal	\$ 2,502,000.00	\$ -	\$ 2,502,000.00	\$ -	\$ -	\$ -	\$ -	\$ 2,502,000.00
0507-0000	Owner's Construction Contingency	7,670,933.00		7,670,933.00	-	-	-	-	7,670,933.00
0801-0000	Owners' (soft cost) Contingency	3,068,373.00		3,068,373.00	-	-	-	-	3,068,373.00
	Contingency Subtotal	\$ 10,739,306.00	\$ -	\$ 10,739,306.00	\$ -	\$ -	\$ -	\$ -	\$ 10,739,306.00
	Total Project Budget	\$ 189,593,594.00	\$ -	\$ 189,593,594.00	\$ 20,569,132.45	\$ 7,173,154.13	\$ 13,128,950.32	\$ -	\$ 169,024,461.55

NEW STONEHAM HIGH SCHOOL, STONEHAM, MASSACHUSETTS			
Change Order Budget Summary			
Change Order No.	Change Order Amount	Owner's Contingency Budget	
		\$ 7,670,933.00	Original PFA Budget - August 18, 2021
		\$ (450,000.00)	60% Construction Documents Cost Estimate Reallocation
1	\$0.00		CR-001
Change Order Total		Budget Total	Budget Balance
TOTAL	\$0.00	\$ 7,220,933.00	\$ 7,220,933.00

GMP Contingency Budget Summary			
Change Order No.	Contingency Transfer Amount	GMP Contingency Budget	
		\$ 224,845.00	Amendment No. 1 - Early Site Package
Contingency Transfer Total		GMP Contingency Total	Contingency Balance
TOTAL	\$0.00	\$ 224,845.00	\$ 224,845.00

Allowance Budget Summary			
Change Order No.	Allowance Amount	Allowance Budget	
		\$ 158,000.00	Amendment No. 1 - Early Site Package
1	\$ 4,000.00		AT-001
Allowance Total		Allowance Budget	Allowance Balance
TOTAL	\$4,000.00	\$ 158,000.00	\$ 154,000.00

Change Order Summary

DATE: August 10, 2022
 TO: Stoneham Building Committee
 SUBJECT: **Change Order Summary – CO-001**

Summary Details

Detailed Description	Value	Cost
AT-001 Initial Temp Power for Field Office Trailers This Allowance Transfer is to power the trailers until Eversource can provide permanent power.	\$4,000.00	\$0.00
BT-001 Move Consigli General Requirements to Riggs Subcontractor This Budget Transfer is to align the General Requirements with the subcontractor who is delivering the work.	\$105,000.00	\$0.00
BT-002 Existing Irrigation Work This Budget Transfer is to re-work existing irrigation to function during the construction of the new building and demolition of the existing building.	\$14,725.78	\$0.00
BT-003 Temp Access Stairs and Ramp and Early Sidewalk Work This Budget Transfer is to build stair and ramp access from temporary parking to the existing school building.	\$33,000.00	\$0.00
CR-001 BPI Addendum No. 2 This Change Request answers outstanding questions asked during bidding for Bid Package #1. In addition, it clarifies scope within Geothermal that has no cost to the project.	\$0.00	\$0.00
Total Change Order Value		\$0.00

Notes:
 AT = Allowance Transfer
 BT = Budget Transfer
 HT = Hold Transfer
 CR = Change Request

End of Summary



Change Order

Project:

2515 Stoneham High School
149 Franklin Street
Stoneham, MA 02180

Change Order: CO001

Date: 8/10/2022

To Contractor:

Consigli Construction Co., Inc.

The Contract is changed as follows:

Change Order #001 (AT001, BT001, BT002, BT003, CR001)

AT001 Initial Temp Power for Field Office Trailers	\$0.00
BT001 Move Consigli GRs to Riggs	\$0.00
BT002 Budget Transfer - Existing Irrigation Work	\$0.00
BT003 Budget Transfer - Temp Access Stairs-Ramp and Early Sidewalk Work	\$0.00
CR001 BP1 Addendum No. 2	\$0.00
Total:	\$0.00

The original Contract Amount was	\$10,520,247.00
Net change by previously authorized Change Orders	\$0.00
The Contract Amount prior to this Change Order was	\$10,520,247.00
The Contract will be increased by this Change Order in the amount of	\$0.00
The new Contract Amount including this Change Order will be	\$10,520,247.00
The Contract Time will be unchanged.	

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

	Consigli Construction Co., Inc.	
ARCHITECT	CONTRACTOR	OWNER
		
(Signature)	(Signature)	(Signature)
By	Steven H. Banak	By
Date	08/11/2022	Date



Allowance Usage Request

To: Joel G. Seeley AIA
 Symmes Maini & Mckee
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Ph: (617)520-9403 Fax: (800)648-4920

Number: AT001
Date: 7/20/22
Job: 2515 Stoneham High School
Phone:

Description: Initial Temp Power for Field Office Trailers

Reason: Field Condition

Initiated by: Bolla, Justin (Consigli Construction Co., Inc.)

Source: Other

We offer the following specifications and pricing to make the changes as described below:

This allowance transfer is for the following scope of work:

Temp generator rental and associated fuel needed ahead of site temp power establishment for Consigli and SMMA office trailers.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Temporary Power - Generator & Fuel Rental for CCC & SMMA trailer construction and setup	1-140				\$4,000.00		\$4,000.00
Allowance Usage - Temp Electricity for Generator & Fuel for CCC & SMMA trailer construction and setup	24-001				\$-4,000.00		\$-4,000.00
						Subtotal:	\$0.00
						Total:	\$0.00

SCHEDULE IMPACT

We have proceeded with this change to achieve schedule.

As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
 72 Sumner Street
 Milford, MA 01757

OWNER

 (Signature)

 (Signature)

 (Signature)

By

By

Patrick Condon

By

Date

Date

08-01-2022

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
 Hartford CT • Portland ME • Milford MA



Budget Transfer Request

To: Joel G. Seeley AIA
 Symmes Maini & Mckee
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Ph: (617)520-9403 Fax: (800)648-4920

Number: BT001
Date: 7/7/22
Job: 2515 Stoneham High School
Phone:

Description: Move Consigli GRs to Riggs

Source: Other

We offer the following specifications and pricing to make the changes as described below:

This budget transfer is for the following scope of work:

Shift established Consigli budgets to Riggs contracting as Riggs will be billing against these lines and performing the work associated.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Jersey barrier installation	1-230				\$-100,000.00		\$-100,000.00
Jersey barrier maint	1-235				\$-5,000.00		\$-5,000.00
Riggs General Requirements	1-099				\$105,000.00		\$105,000.00
						Subtotal:	\$0.00
						Total:	\$0.00

SCHEDULE IMPACT

We have proceeded with this change to achieve schedule.

As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
 72 Sumner Street
 Milford, MA 01757

OWNER

 (Signature)

 (Signature)

 (Signature)

Patrick Condon

By

By

08-05-2022

By

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
 Hartford CT • Portland ME • Milford MA



Budget Transfer Request

To: Joel G. Seeley AIA
 Symmes Maini & Mckee
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Ph: (617)520-9403 Fax: (800)648-4920

Number: BT002
Date: 7/25/22
Job: 2515 Stoneham High School
Phone:

Description: Budget Transfer - Existing Irrigation Work

Reason: Field Condition

Initiated by: Bolla, Justin (Consigli Construction Co., Inc.)

Source: Other

We offer the following specifications and pricing to make the changes as described below:

This budget transfer is for the following scope of work:

Re-work of existing irrigation system during early phase sitework. All work performed by Marois Brothers and WL Toomey Irrigation working for Marois Brothers.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros Site Contractor - Reworking of Existing Irrigation System BT002 proposal dated 07-22-22	2-401				\$14,725.78		\$14,725.78
Allowance Usage - Rework Ext Irrigation	2-412				\$-14,725.78		\$-14,725.78
						Subtotal:	\$0.00
						Total:	\$0.00

SCHEDULE IMPACT

We have proceeded with this change to achieve schedule.

As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
 72 Sumner Street
 Milford, MA 01757

OWNER

 (Signature)

 (Signature)

 (Signature)

Patrick Condon

By

By

By

07-25-2022

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
 Hartford CT • Portland ME • Milford MA



Budget Transfer Request

To: Joel G. Seeley AIA
 Symmes Maini & Mckee
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Ph: (617)520-9403 Fax: (800)648-4920

Number: BT003
Date: 8/1/22
Job: 2515 Stoneham High School
Phone:

Description: Budget Transfer - Temp Access Stairs-Ramp and Early Sidewalk Work

Reason: Field Condition

Initiated by: Bolla, Justin (Consigli Construction Co., Inc.)

Source: Other

We offer the following specifications and pricing to make the changes as described below:

This budget transfer is for the following scope of work:

Move Temp Access Stairs and Ramp from Lower to Upper Parking Hold budget - Scope to be performed by RIGGS, and transfer buy-savings budget for early sidewalk work to be performed by RIGGS.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
HOLD - Temp Acc Stair and Ramp at Parking Lots - Transfer budget to RIGGS	2-410				\$-25,000.00		\$-25,000.00
Reconciled Buyout Savings - Transfer budget to RIGGS for Early Sidewalk Concrete Work	19-002				\$-8,000.00		\$-8,000.00
Riggs General Requirements - Move HOLD budget for Temp Acc Stair and Ramp at Parking Lots	1-099				\$25,000.00		\$25,000.00
Riggs General Requirements - Transfer buy savings to set up budget for early concrete sidewalk work to be performed by RIGGS	1-099				\$8,000.00		\$8,000.00
						Subtotal:	\$0.00
						Total:	\$0.00

SCHEDULE IMPACT

We have proceeded with this change to achieve schedule.

As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
 72 Sumner Street
 Milford, MA 01757

OWNER

(Signature)

(Signature)

(Signature)

Patrick Condon

By

By

By

08-01-2022

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com
 Hartford CT • Portland ME • Milford MA



Change Request

To: Joel G. Seeley AIA
 Symmes Maini & Mckee
 1000 Massachusetts Avenue
 Cambridge, MA 02138
 Ph: (617)520-9403 Fax: (800)648-4920

Number: CR001
Date: 6/28/22
Job: 2515 Stoneham High School
Phone:

Description: BP1 Addendum No. 2

Reason: Design Change

Initiated by: Perkins & Will

Source: Other # BP1 Add #2

We offer the following specifications and pricing to make the changes as described below:

This change request is for the following scope of work:

Addition of geothermal wells by geothermal contractor. Scope to be fully performed by geothermal contractor as bought-out, no additional cost from site electrical or site work contractor at this time.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros (BP1-ADD2) No Cost Email 07-19-22	2-401						
Jupiter Electric (BP1-ADD2) No Cost Email 07-20-22	16-001						
						Subtotal:	\$0.00
						Total:	\$0.00

SCHEDULE IMPACT

We have proceeded with this change to achieve schedule.

As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
 72 Sumner Street
 Milford, MA 01757

OWNER

 (Signature)

 (Signature)

 (Signature)

Patrick Condon

By

By

07-25-2022

By

Date

Date

Date

Warrant No. 30

Project: Stoneham High School, Stoneham, Massachusetts
 Prepared by: Joel G. Seeley, AIA

Project No.: 20033
 Date: 8/15/2022

School Building Committee for the Stoneham High School hereby authorizes to draw against funds for the obligations incurred for value received in services and for materials shown below:

<u>Vendor</u>	<u>Invoice No.</u>	<u>Invoice Date</u>	<u>Invoice Amount</u>	<u>ProPay Code</u>	<u>Balance After Invoice</u>
Sustainable Energy Advantage, LLC	5706	7/31/2022	\$ 4,268.25	0203-9900	\$ 10,244.81
Perkins & Will	0193085	8/3/2022	\$ 702,999.30	0201-0500	\$ 2,109,002.80
Perkins & Will	0193085 AM13	8/3/2022	\$ 4,513.96	0204-0300	\$ 8,295.54
Perkins & Will	0193085 AM18	8/3/2022	\$ 9,388.65	0204-1200	\$ 124,068.66
SMMA	57576	8/3/2022	\$ 89,600.00	0102-0500	\$ 281,600.00
Consigli Construction Co.	PreCon 10	7/31/2022	\$ 18,466.00	0501-0000	\$ 100,194.00
Consigli Construction Co.	1	7/31/2022	\$ 1,975,785.95	See Schedule of Values	
		Total	\$ 2,805,022.11		

 Marie Christie

 David Bois

 Nicole Nial

 Raymie Parker

 Kevin Yianacopolus

 Douglas Gove

 Stephen O'Neill

 Josephine Thomson

 Jeanne Craigie

 Lisa Gallagher

 Sharon Iovanni

 Cory Mashburn

 Paul Ryder

 David Pignone

Approved on _____

Sustainable Energy Advantage, LLC

161 Worcester Rd, Suite 503

Framingham, MA 01701

Phone # 508-665-5855 Fax # 508-665-5858

bgrace@seadvantage.com www.seadvantage.com

Invoice

Date	Invoice #
7/31/2022	5706

Bill To
Town of Stoneham April Lanni 35 Central Street Stoneham, MA 02180

Customer Contract ID	SEA Client Job Code	Terms	Due Date
SOW#2 04.25.22	259.2.1	30 Days	8/30/2022
Description	Qty	Rate	Amount
Stoneham High School Solar Ongoing PPA Support			
Task 1: Project Host and Offtaker Consultant			
Tom Michelman, Sr. Director, hours for July 2022 per attached timesheet.	7.01	305.00	2,138.05
Tom Michelman, Sr. Director, hours for May 2022 per attached timesheet. (Per the 6/23/22 email to April Lanni, 1.25 hours for T.Michelman was not included on May Invoice #5671)	1.25	305.00	381.25
Sahil Bahkt, Analyst, hours for July 2022 per attached timesheet.	13.15	133.00	1,748.95
Thank you for your business!		Total	\$4,268.25



Time Entries by Project

Time Entry Date: From Friday, July 1, 2022 to Sunday, July 31, 2022

Approval Status	Date	Hours Worked	Description
Project: Stoneham, Town of, 259.2.1, Stoneham HS PPA Support			
Client: Stoneham, Town of			
Description:			
Employee: Bakht, Sahil			
Task: Task 1: Project Host and Offtaker Consultant			
Approved	7/11/2022	0.40	Call with TSM on updating Stoneham related task
Approved	7/11/2022	1.47	Nexamp support task of updating the bid sheet
Approved	7/11/2022	0.73	Call with TSM on making updates to bid sheet
Approved	7/11/2022	0.35	Following up on Stonehams RFP chain of emails for Nexamp
Approved	7/12/2022	0.33	Followup with TSM on questions to ask Nexamp
Approved	7/12/2022	0.92	Updating the price bid sheet
Approved	7/12/2022	0.53	Followup on additional doubts with updating bid sheet
Approved	7/18/2022	0.50	Meeting with Town of Stoneham ,SEA and Nexamp
Approved	7/18/2022	0.58	Following up on Stoneham questions/follow up emails to prep for the meeting with Nexamp
Approved	7/19/2022	1.88	Updating Stoneham bid form for Nexamp , reaching to Tom with additional questions and QCing the Bid sheet.
Approved	7/21/2022	0.87	Stoneham Updates to price bid sheet
Approved	7/22/2022	1.05	Investigating errors leading to unsustainable PPA price / town benefits in eval metrics tab
Approved	7/22/2022	0.87	Making updates to Stoneham Bid Sheet and a comparison table of old inputs vs new
Approved	7/25/2022	0.67	Call with TSM to make updates to Bid sheet form and discuss other related things
Approved	7/25/2022	0.75	Making a list of questions to ask Stoneham and sending them over to TSM
Approved	7/25/2022	1.25	Updating Stoneham, writing emails to tom about it
	Task Total	13.15	
	Employee Total	13.15	

Employee: Michelman, Tom

Task: Task 1: Project Host and Offtaker Consultant

Approved	7/4/2022	0.75	Review SESSA and Lease and send comments to Stoneham
Approved	7/11/2022	0.80	Call w/ SMB discussing and directing on what questions we have for Nexamp and how to incorporate Nexamp's new production and price sensitives into price bid form.
Approved	7/11/2022	0.50	Review submittal by Grace Taylor and respond asking for more transparency.
Approved	7/11/2022	0.42	Call w/ SMB and then question to Nexamp re: Battery Storage losses
Approved	7/12/2022	0.70	Edit and add to questions that SMB drafted to Nexamp. Send out questions.
Approved	7/16/2022	1.17	Contemplate and respond to Nexamp's reluctance to provide anything close to transparency when dealing with variability of steel and module prices
Approved	7/17/2022	0.42	Articulate and document the global price increases that are causing increase in PPA prices and reasoning for pushing Nexamp of transparency.
Approved	7/18/2022	0.50	Call w/ Nexamp and others on how we increase PPA price transparency.
Approved	7/18/2022	0.08	Respond to Ariel's email with clarification of B3 vs. B7 rate impact on Stoneham (vs. Nexamp PPA pricing)



Time Entries by Project

Time Entry Date: From Friday, July 1, 2022 to Sunday, July 31, 2022

Approval Status	Date	Hours Worked	Description
Approved	7/18/2022	0.75	Bi-weekly call and follow-up email on Eversource B3 vs. B7 rates
Approved	7/25/2022	0.25	Review SMB's questions and spreadsheet for Nexamp production and storage dispatch, and then edit and send back requests to Nexamp.
Approved	7/25/2022	0.67	Review SMB's issues email of Nexamp's negative delivery of energy and then in-depth discussion.
	Task Total	7.01	
	Employee Total	7.01	
	Project Total	20.16	
	Grand Total	20.16	



Time Entries by Project

Time Entry Date: From Sunday, May 1, 2022 to Tuesday, May 31, 2022

Approval Status	Date	Hours Worked	Description
Project: Stoneham, Town of, 259.2.1, Stoneham HS PPA Support			
Client: Stoneham, Town of			
Description:			
Employee: Michelman, Tom			
Task: Task 1: Project Host and Offtaker Consultant			
Approved	5/4/2022	1.25	Comments on Nexamp proposed agreement and send to April & Joel
Approved	5/9/2022	1.08	Bi-weekly call and follow-up on scheduling Nexamp call
Approved	5/11/2022	0.58	Respond to solar canopy plan and respond to approach to interconnection request
Approved	5/23/2022	0.58	Biweekly check-in call.
Approved	5/23/2022	0.75	Call w/ Nexamp et. al. over comments on terms and conditions language.
	Task Total	4.24	
	Employee Total	4.24	
	Project Total	4.24	
	Grand Total	4.24	

Perkins&Will

Invoice

August 3, 2022

Project No: 153010.000

Invoice No: 0193085

Dennis Sheehan
 Town of Stoneham
 Town Hall
 35 Central St
 Stoneham, MA 02180

Stoneham High School - FS-Closeout

Professional Services: through July 29, 2022

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Feasibility Phase	175,000.00	100.00	175,000.00	175,000.00	0.00
Schematic Design	245,000.00	100.00	245,000.00	245,000.00	0.00
Amendment #1	0.00	0.00	0.00	0.00	0.00
Survey/Wetlands-Nitsch	27,500.00	100.00	27,500.00	27,500.00	0.00
Phase 1 ESA	2,970.00	0.00	0.00	0.00	0.00
Geotechnical Services-Lahlaf	16,417.50	100.00	16,417.50	16,417.50	0.00
Hazardous Materials-UEC	4,950.00	100.00	4,950.00	4,950.00	0.00
Amendment #2	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	18,150.00	0.00	0.00	0.00	0.00
Amendment #3	0.00	0.00	0.00	0.00	0.00
Hydrant Flow Testing-AE	1,760.00	100.00	1,760.00	1,760.00	0.00
Amendment #4	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	-18,150.00	0.00	0.00	0.00	0.00
Amendment #5	0.00	0.00	0.00	0.00	0.00
Traffic Analysis-Nelson Nygaard	4,166.14	100.00	4,166.14	4,166.14	0.00
Amendment #6	0.00	0.00	0.00	0.00	0.00
Traffic Analysis - Vanasse	13,970.00	70.6693	9,872.50	9,872.50	0.00
Amendment #7	0.00	0.00	0.00	0.00	0.00
Geotechnical - Lahlaf	23,699.50	100.00	23,699.50	23,699.50	0.00

REMIT PAYMENTS TO Perkins&Will, Inc.
 PO Box 71181
 Chicago, IL 60694-1181

WIRE/ACH TO BMO Harris Bank
 ABA# 071000288, Acct# 3769601
 SWIFT HATRUS44

TERMS Net 30 Days

Project	153010.000	Stoneham High School:FS-Closeout			Invoice	0193085
Amendment #8	0.00	0.00	0.00	0.00	0.00	0.00
Geothermal - McPhail	55,000.00	67.4423	37,093.28	37,093.28	0.00	0.00
Amendment #9	0.00	0.00	0.00	0.00	0.00	0.00
Survey - Nitsch	23,760.00	100.00	23,760.00	23,760.00	0.00	0.00
Amendment #10	0.00	0.00	0.00	0.00	0.00	0.00
Walk Through	3,800.00	100.00	3,800.00	3,800.00	0.00	0.00
Amendment #11	0.00	0.00	0.00	0.00	0.00	0.00
Design Documents	3,233,800.00	100.00	3,233,800.00	3,233,800.00	0.00	0.00
Construction Documents	4,921,000.00	57.1428	2,811,997.20	2,108,997.90	702,999.30	
Bidding	1,124,800.00	0.00	0.00	0.00	0.00	0.00
Construction Administration	3,936,800.00	0.00	0.00	0.00	0.00	0.00
Completion	423,600.00	0.00	0.00	0.00	0.00	0.00
Amendment #12	0.00	0.00	0.00	0.00	0.00	0.00
Hazardous Materials - UEC	34,650.00	45.0794	15,620.00	15,620.00	0.00	0.00
Amendment #13	0.00	0.00	0.00	0.00	0.00	0.00
Geotechnical - LGLI	55,429.00	85.0339	47,133.46	42,619.50	4,513.96	
Amendment #14	0.00	0.00	0.00	0.00	0.00	0.00
Geo-environmental - FS Engineers	13,640.00	0.00	0.00	0.00	0.00	0.00
Amendment #15	0.00	0.00	0.00	0.00	0.00	0.00
Soil Testing - FS Engineers	85,690.00	0.00	0.00	0.00	0.00	0.00
Amendment #16	0.00	0.00	0.00	0.00	0.00	0.00
Test Well - McPhail	122,650.00	85.2018	104,500.00	104,500.00	0.00	0.00
Amendment #17	0.00	0.00	0.00	0.00	0.00	0.00
Survey Work - Nitsch	44,000.00	100.00	44,000.00	44,000.00	0.00	0.00
Amendment #18	0.00	0.00	0.00	0.00	0.00	0.00
Traffic Work - Vanasse	216,700.00	42.7463	92,631.34	83,242.69	9,388.65	
Amendment #19	0.00	0.00	0.00	0.00	0.00	0.00
Topographic Survey - Nitsch	8,800.00	100.00	8,800.00	8,800.00	0.00	0.00
Amendment #23	0.00	0.00	0.00	0.00	0.00	0.00
Soil Samples - FE Engineers	5,500.00	0.00	0.00	0.00	0.00	0.00
Total Fee	14,825,052.14		6,931,500.92	6,214,599.01	716,901.91	
			Total Fee		716,901.91	
				Total this Invoice	\$716,901.91	

REMIT PAYMENTS TO Perkins&Will, Inc.
 PO Box 71181
 Chicago, IL 60694-1181

WIRE/ACH TO BMO Harris Bank
 ABA# 071000288, Acct# 3769601
 SWIFT HATRUS44

TERMS Net 30 Days



LGCI

Lahlaf Geotechnical Consulting, Inc.

100 Chelmsford Road
Suite 2
Billerica, MA 01862
Phone: (978) 330-5912
Fax: (978) 330-5056
E-mail: LGCI@LGCinc.net
Bill To

Perkins + Will
Ms. Brooke Trivas
225 Franklin Street
Suite 1100
Boston, MA 02110

Invoice

Invoice for Period Ending:	6/30/2021
Invoice No.:	2022-04
Date:	7/9/2021

Terms	Client No.	Project Name	Project Number	Location
Due on receipt	0940	Prop. Stoneham High School	2022	Stoneham, MA
Description		Qty	Rate	Amount
LGCI Proposal No. 21047-Rev.1 Services performed May 1 - June 30, 2021 LGCI Proposal No. 21047-Rev.1 has not been approved LGCI Proposal No. 21047-Rev.1 \$195,985.00 Amount Previously Invoiced \$0.00 Current LGCI Invoice No. 2022-04 \$495.00 Amount Invoiced including this invoice \$495.00 Balance remaining from Budget amount \$195,490.00 Task 2.3 Consultation Senior Engineer - Consultation/Conference Calls		3.3	150.00	495.00
Make check payable to Lahlaf Geotechnical Consulting, Inc.				
Total due this invoice				\$495.00
			Balance Due	\$495.00

Amendment #13

\$495.00 x 1.1 = \$544.50



LGCI

Lahlaf Geotechnical Consulting, Inc.
 100 Chelmsford Road
 Suite 2
 Billerica, MA 01862
 Phone: (978) 330-5912
 Fax: (978) 330-5056
 E-mail: LGCI@LGCinc.net

Invoice

Invoice No.:	2022-06
Invoice for Period Ending:	4/30/2022
Date:	5/12/2022

Bill To

Perkins + Will
 Ms. Brooke Trivas
 225 Franklin Street
 Suite 1100
 Boston, MA 02110

Terms	Client No.	Project Name	Project Number	Location
Due on receipt	0940	Prop. Stoneham High School	2022	Stoneham, MA
Description		Qty	Rate	Amount
LGCI Proposal No. 21047-Rev.2 Services performed February 28, 2022 and April 1-30, 2022 LGCI Proposal No. 21047-Rev.2 \$200,485.00 Amount Previously Invoiced \$39,240.00 Current LGCI Invoice No. 2022-06 \$3,125.00 Amount Invoiced to date \$42,365.00 Balance remaining from Budget amount \$158,120.00				
Task 1.2b - Repairing Ruts Return to site to restore test pits and repair irrigation system plus loam and materials		1	2,705.00	2,705.00
Task 2.3 Consultation Senior Engineer - Consultation		2.8	150.00	420.00
Make check payable to Lahlaf Geotechnical Consulting, Inc.				
Total due this invoice				\$3,125.00
Balance Due				\$3,125.00

Amendment #13

$$\$ 3,125.00 \times 1.1 = \$ 3,437.50$$



LGCI

Lahlaf Geotechnical Consulting, Inc.
 100 Chelmsford Road
 Suite 2
 Billerica, MA 01862
 Phone: (978) 330-5912
 Fax: (978) 330-5056
 E-mail: LGCI@LGCinc.net

Invoice

Invoice No.:	2022-07
Invoice for Period Ending:	5/31/2022
Date:	6/16/2022

Bill To

Perkins + Will
 Ms. Brooke Trivas
 225 Franklin Street
 Suite 1100
 Boston, MA 02110

Terms	Client No.	Project Name	Project Number	Location
Due on receipt	0940	Prop. Stoneham High School	2022	Stoneham, MA
Description		Qty	Rate	Amount
LGCI Proposal No. 21047-Rev.2 Services performed May 1 - 31, 2022 LGCI Proposal No. 21047-Rev.2 \$200,485.00 Amount Previously Invoiced \$44,160.00 Current LGCI Invoice No. 2022-07 \$483.60 Amount Invoiced to date \$44,643.60 Balance remaining from Budget amount \$155,841.40				
Task 2.3 Consultation Senior Engineer - Consultation		3.1	156.00	483.60
Make check payable to Lahlaf Geotechnical Consulting, Inc.				
Total due this invoice				\$483.60
Balance Due			\$483.60	

Amendment #13

$$483.60 \times 1.1 = 531.96$$

Invoice

Vanasse & Associates, Inc.
TRANSPORTATION ENGINEERS AND PLANNERS
 35 New England Business Center Drive
 Suite 140
 Andover, MA 01810

Brooke Trivas
 Perkins & Will
 225 Franklin Street, Suite 1100
 Boston, MA 02110

April 11, 2022
 Project No: 9000
 Invoice No: 40974

Invoice Total: \$12,291.92

Stoneham High School
 EMAIL to bos.ap@perkinswill.com

Professional Services from February 27, 2022 to March 26, 2022

Phase Number:	003	Preliminary Engineering		
Fee				
Total Fee	32,000.00			
Percent Complete	100.00	Total Earned	32,000.00	
		Previous Fee Billing	24,000.00	
		Current Fee Billing	8,000.00	
		Total Fee		8,000.00
			Phase Total	\$8,000.00

Phase Number:	005	Final Engineering		
Fee				
Total Fee	45,000.00			
Percent Complete	5.0444	Total Earned	2,270.00	
		Previous Fee Billing	0.00	
		Current Fee Billing	2,270.00	
		Total Fee		2,270.00
			Phase Total	\$2,270.00

Phase Number:	007	Project Meetings/Coordination		
Professional Personnel				
		Hours	Rate	Amount
Boudreau, Stephen		1.50	250.00	375.00
Talcoff, Drew		5.00	170.00	850.00
DeRoche, Daniel		1.00	145.00	145.00
Totals		7.50		1,370.00
Total Labor				1,370.00
			Phase Total	\$1,370.00

Phase Number:	03A	Temporary Traffic Signal Design		
Fee				
Total Fee	5,300.00			
Percent Complete	11.9811	Total Earned	635.00	



Project	9000	Perkins & Will / Stoneham / SMB	Invoice	40974
		Previous Fee Billing	0.00	
		Current Fee Billing	635.00	
		Total Fee		635.00
			Phase Total	\$635.00

Phase Number:	995	Expenses		
Reimbursable Expenses				
		Reproductions & Printing	1.10	
		Telephone / Fax	15.82	
		Total Reimbursables	16.92	16.92
			Phase Total	\$16.92

TOTAL THIS INVOICE **\$12,291.92**

Outstanding Invoices:

Number	Date	Balance
40785	3/11/2022	13,708.37
Total Outstanding		13,708.37

Amendment #10

$$\$12,291.92 + \$1.1 = \$13,521.11$$

credit billed twice



INVOICE CONTRACT SUMMARY

VAI Project #: 9000
Project Location: Stoneham, MA
Project Client: Perkins & Will
Invoice #: 40974
Period Ending: 3/26/2022

Phase Code / Description	Original Contract Amount	Amendment No. 1	Total Contract	Previous Billing	Current Invoice	Total Billed to Date	Remaining Budget	% Complete
001 Data Collection and Base Plans	5,000.00	-	5,000.00	4,150.00	-	4,150.00	850.00	83%
002 Roadway Safety Audit (RSA)	-	-	-	-	-	-	-	-
003 Preliminary Engineering	32,000.00	-	32,000.00	24,000.00	8,000.00	32,000.00	-	100%
03A Temporary Traffic Signal Design	-	5,300.00	5,300.00	-	635.00	635.00	4,665.00	-
004 Environmental Permit Documents	-	-	-	-	-	-	-	-
005 Final Engineering	45,000.00	-	45,000.00	-	2,270.00	2,270.00	42,730.00	5%
006 Right-of-Way and Layout	-	-	-	-	-	-	-	-
007 Project Meetings/Coordination	6,000.00	3,000.00	9,000.00	6,637.50	1,370.00	8,007.50	992.50	89%
008 Abutter Coordination	-	-	-	-	-	-	-	-
009 Bidding and Negotiating	4,000.00	-	4,000.00	-	-	-	4,000.00	-
010 Final Traffic Signal Layout Plans (As-Built)	-	-	-	-	-	-	-	-
011 Construction Services	85,000.00	(8,300.00)	76,700.00	-	-	-	76,700.00	0%
012 Utility Coordination	-	-	-	-	-	-	-	-
LABOR COST	177,000.00	-	177,000.00	34,787.50	12,275.00	47,062.50	129,937.50	27%
995 Expenses (estimated)	5,000.00	-	5,000.00	106.34	16.92	123.26	4,876.74	2%
A01 Borings	15,000.00	-	15,000.00	-	-	-	15,000.00	0%
EXPENSE COST	20,000.00	-	20,000.00	106.34	16.92	123.26	19,876.74	1%
TOTALS	197,000.00	-	197,000.00	34,893.84	12,291.92	47,185.76	149,814.24	24%



Ref: 9000

June 10, 2022

Brooke Trivas
Perkins & Will
225 Franklin Street, Suite 1100
Boston, MA 02110

Re: Stoneham High School
Stoneham, Massachusetts

Dear Brooke:

Enclosed please find an invoice for the period ending May 28, 2022 for providing engineering services associated with the intersection improvements for the new high school located in Stoneham, Massachusetts. Services performed during this invoice period included:

- Finalized temporary signal layout, curb geometry, striping, and signage at High School to provide continual access for construction vehicles and school traffic throughout the project. Submitted specifications and updated drawings for incorporation into the BP-1 Site Enabling Package (Phase 03A).
- Refined geometric and signal layouts based on value engineering update of proposed improvements to intersection of High School Driveway at Franklin Street. Advanced signal design at Franklin Street and Benjamin Terrace. Developed specifications for final signal designs. Submitted design plans and specifications incorporated into 60% Pricing Set. (Phase 005).
- Continued project coordination efforts including correspondence, conference calls and meetings with the Client and project team to coordinate project schedule and facilitate design development (Phase 007).

Should you have any questions regarding the enclosed invoice please feel free to contact me.

Sincerely,

VANASSE & ASSOCIATES, INC.

Stephen M. Boudreau

Stephen M. Boudreau, P.E.
Partner

Enclosure

Invoice

Vanasse & Associates, Inc.
TRANSPORTATION ENGINEERS AND PLANNERS
35 New England Business Center Drive
Suite 140
Andover, MA 01810

Brooke Trivas
 Perkins & Will
 225 Franklin Street, Suite 1100
 Boston, MA 02110

June 10, 2022
 Project No: 9000
 Invoice No: 41352

Invoice Total: \$18,892.00

Stoneham High School
 EMAIL to bos.ap@perkinswill.com

Professional Services from May 1, 2022 to May 28, 2022

Phase Number: 005 Final Engineering
Fee

Total Fee	40,700.00		
Percent Complete	59.7912	Total Earned	24,335.00
		Previous Fee Billing	11,335.00
		Current Fee Billing	13,000.00
		Total Fee	13,000.00
		Phase Total	\$13,000.00

Phase Number: 007 Project Meetings/Coordination
Professional Personnel

	Hours	Rate	Amount	
Boudreau, Stephen	1.50	250.00	375.00	
Talcoff, Drew	6.00	170.00	1,020.00	
DeRoche, Daniel	1.50	145.00	217.50	
Totals	9.00		1,612.50	
Total Labor				1,612.50
		Phase Total		\$1,612.50

Phase Number: 03A Temporary Traffic Signal Design
Fee

Total Fee	9,500.00		
Percent Complete	100.00	Total Earned	9,500.00
		Previous Fee Billing	5,300.00
		Current Fee Billing	4,200.00
		Total Fee	4,200.00
		Phase Total	\$4,200.00

Phase Number: 995 Expenses
Reimbursable Expenses

Reproductions & Printing	79.50	
Total Reimbursables	79.50	79.50



Project	9000	Perkins & Will / Stoneham / SMB	Invoice	41352
			Phase Total	\$79.50
			TOTAL THIS INVOICE	\$18,892.00

Amendment #18
 $\$18,892.00 \times 1.1 = \$20,781.20$



INVOICE CONTRACT SUMMARY

VAI Project #: 9000
Project Location: Stoneham, MA
Project Client: Perkins & Will
Invoice #: 41352
Period Ending: 5/28/2022

Phase Code / Description	Original Contract Amount	Amendment No. 1	Amendment No. 2	Total Contract	Previous Billing	Current Invoice	Total Billed to Date	Remaining Budget	% Complete
001 Data Collection and Base Plans	5,000.00	-	-	5,000.00	4,150.00	-	4,150.00	850.00	83%
002 Roadway Safety Audit (RSA)	-	-	-	-	-	-	-	-	-
003 Preliminary Engineering	32,000.00	-	-	32,000.00	32,000.00	-	32,000.00	-	100%
03A Temporary Traffic Signal Design	-	5,300.00	4,200.00	9,500.00	5,300.00	4,200.00	9,500.00	-	-
004 Environmental Permit Documents	-	-	-	-	-	-	-	-	-
005 Final Engineering	45,000.00	-	(4,300.00)	40,700.00	11,335.00	13,000.00	24,335.00	16,365.00	60%
006 Right-of-Way and Layout	-	-	-	-	-	-	-	-	-
007 Project Meetings/Coordination	6,000.00	3,000.00	5,000.00	14,000.00	10,475.00	1,612.50	12,087.50	1,912.50	86%
008 Abutter Coordination	-	-	-	-	-	-	-	-	-
009 Bidding and Negotiating	4,000.00	-	-	4,000.00	-	-	-	4,000.00	-
010 Final Traffic Signal Layout Plans (As-Built)	-	-	-	-	-	-	-	-	-
011 Construction Services	85,000.00	(8,300.00)	(4,900.00)	71,800.00	-	-	-	71,800.00	0%
012 Utility Coordination	-	-	-	-	-	-	-	-	-
LABOR COST	177,000.00	-	-	177,000.00	63,260.00	18,812.50	82,072.50	94,927.50	46%
995 Expenses (estimated)	5,000.00	-	-	5,000.00	94.87	79.50	174.37	4,825.63	3%
A01 Borings	15,000.00	-	-	15,000.00	-	-	-	15,000.00	0%
EXPENSE COST	20,000.00	-	-	20,000.00	94.87	79.50	174.37	19,825.63	1%
TOTALS	197,000.00	-	-	197,000.00	63,354.87	18,892.00	82,246.87	114,753.13	42%



Ref: 9000

July 11, 2022

Brooke Trivas
Perkins & Will
225 Franklin Street, Suite 1100
Boston, MA 02110

Re: Stoneham High School
Stoneham, Massachusetts

Dear Brooke:

Enclosed please find an invoice for the period ending June 25, 2022 for providing engineering services associated with the intersection improvements for the new high school located in Stoneham, Massachusetts. Services performed during this invoice period included:

- Continued final review and packaging of the traffic signal plans and specifications for the proposed improvements to intersection of High School Driveway/Franklin Street and Franklin Street/Benjamin Terrace for submission to the Town of Stoneham (Phase 005).
- Continued project coordination efforts including correspondence, conference calls and meetings with the Client and project team to coordinate project schedule and facilitate design development (Phase 007).

Should you have any questions regarding the enclosed invoice please feel free to contact me.

Sincerely,

VANASSE & ASSOCIATES, INC.

Stephen M. Boudreau

Stephen M. Boudreau, P.E.
Partner

Enclosure

Invoice

**Vanasse & Associates, Inc.
TRANSPORTATION ENGINEERS AND PLANNERS
35 New England Business Center Drive
Suite 140
Andover, MA 01810**

Brooke Trivas
Perkins & Will
225 Franklin Street, Suite 1100
Boston, MA 02110

July 11, 2022
Project No: 9000
Invoice No: 41524

Invoice Total: \$1,935.05

Stoneham High School
EMAIL to bos.ap@perkinswill.com

Professional Services from May 29, 2022 to June 25, 2022

Phase Number: 005 Final Engineering
Fee

Total Fee	40,700.00			
Percent Complete	61.6708	Total Earned	25,100.00	
		Previous Fee Billing	24,335.00	
		Current Fee Billing	765.00	
		Total Fee		765.00
		Phase Total		\$765.00

Phase Number: 007 Project Meetings/Coordination
Professional Personnel

	Hours	Rate	Amount	
Boudreau, Stephen	1.50	250.00	375.00	
Talcoff, Drew	4.50	170.00	765.00	
Totals	6.00		1,140.00	
Total Labor				1,140.00
		Phase Total		\$1,140.00

Phase Number: 995 Expenses
Reimbursable Expenses

Reproductions & Printing	24.00	
Telephone / Fax	6.05	
Total Reimbursables	30.05	30.05
	Phase Total	\$30.05

TOTAL THIS INVOICE \$1,935.05

Amendment #18

\$1,935.05 x 1.1 = \$2,128.56



INVOICE CONTRACT SUMMARY

VAI Project #: 9000
Project Location: Stoneham, MA
Project Client: Perkins & Will
Invoice #: 41524
Period Ending: 6/25/2022

Phase Code / Description	Original Contract Amount	Amendment No. 1	Amendment No. 2	Total Contract	Previous Billing	Current Invoice	Total Billed to Date	Remaining Budget	% Complete
001 Data Collection and Base Plans	5,000.00	-	-	5,000.00	4,150.00	-	4,150.00	850.00	83%
002 Roadway Safety Audit (RSA)	-	-	-	-	-	-	-	-	-
003 Preliminary Engineering	32,000.00	-	-	32,000.00	32,000.00	-	32,000.00	-	100%
03A Temporary Traffic Signal Design	-	5,300.00	4,200.00	9,500.00	9,500.00	-	9,500.00	-	-
004 Environmental Permit Documents	-	-	-	-	-	-	-	-	-
005 Final Engineering	45,000.00	-	(4,300.00)	40,700.00	24,335.00	765.00	25,100.00	15,600.00	62%
006 Right-of-Way and Layout	-	-	-	-	-	-	-	-	-
007 Project Meetings/Coordination	6,000.00	3,000.00	5,000.00	14,000.00	12,087.50	1,140.00	13,227.50	772.50	94%
008 Abutter Coordination	-	-	-	-	-	-	-	-	-
009 Bidding and Negotiating	4,000.00	-	-	4,000.00	-	-	-	4,000.00	-
010 Final Traffic Signal Layout Plans (As-Built)	-	-	-	-	-	-	-	-	-
011 Construction Services	85,000.00	(8,300.00)	(4,900.00)	71,800.00	-	-	-	71,800.00	0%
012 Utility Coordination	-	-	-	-	-	-	-	-	-
LABOR COST	177,000.00	-	-	177,000.00	82,072.50	1,905.00	83,977.50	93,022.50	47%
995 Expenses (estimated)	5,000.00	-	-	5,000.00	174.37	30.05	204.42	4,795.58	4%
A01 Borings	15,000.00	-	-	15,000.00	-	-	-	15,000.00	0%
EXPENSE COST	20,000.00	-	-	20,000.00	174.37	30.05	204.42	19,795.58	1%
TOTALS	197,000.00	-	-	197,000.00	82,246.87	1,935.05	84,181.92	112,818.08	43%





Mr. Dennis Sheehan
Town Administrator
Town of Stoneham
35 Central St
Stoneham, MA 02180

August 3, 2022
Project No: 20033.00
Invoice No: 0057576

Project 20033.00 Stoneham High School OPM Services
Professional Services from June 25, 2022 to July 22, 2022

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Feasibility Study	56,000.00	100.00	56,000.00	56,000.00	0.00
Schematic Design	49,000.00	100.00	49,000.00	49,000.00	0.00
Design Development	380,000.00	100.00	380,000.00	380,000.00	0.00
Construction Documents	640,000.00	56.00	358,400.00	268,800.00	89,600.00
Bidding	180,000.00	0.00	0.00	0.00	0.00
Construction Administration	3,185,100.00	0.00	0.00	0.00	0.00
Closeout	220,000.00	0.00	0.00	0.00	0.00
Total Fee	4,710,100.00		843,400.00	753,800.00	89,600.00
		Total Fee			89,600.00
				Total this Invoice	\$89,600.00

Billings to Date

	Current	Prior	Total
Fee	89,600.00	753,800.00	843,400.00
Consultant	0.00	9,350.00	9,350.00
Expense	0.00	845.08	845.08
Totals	89,600.00	763,995.08	853,595.08

Authorized By: Joel Seeley

TO OWNER: Symmes Maini & McKee Associates
1000 Massachusetts Avenue
Cambridge, MA 02138

PROJECT: Stoneham High School

Invoice: 10
Draw: 2516-10
Application date: 7/31/2022
Period ending date: 7/31/2022

DISTRIBUTE TO:
 OWNER
 ARCHITECT
 CONTRACTOR

FROM CONTRACTOR: Consigli Construction Co., Inc.
72 Sumner Street
Milford, MA 01757

VIA ARCHITECT: Perkins + Will
225 Franklin Street
Boston, MA 02110

PROJECT NO: 2515

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown above, in connection with the Contract Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$283,528.00
2. NET CHANGE BY CHANGE ORDERS	\$0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$283,528.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$191,194.00
5. RETAINAGE:	
a. 0.00 % of Completed Work (Column D + E on G703)	\$ 0.00
b. 0.00 % of Stored Material (Column F on G703)	\$ 0.00
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$0.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$191,194.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$172,728.00
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$18,466.00
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$92,334.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Consigli Construction Co., Inc.
By: [Signature] Date: 8/1/22

State of Ma County of Worcester
On this the 1st day of August before me,
proved to me through satisfactory evidence of identity, which was/were
Personal Knowledge

to be the person(s) whose name(s) was/were signed on the preceding or attached document in my presence, and who swore or affirmed that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.
Gabriel S. Costa
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires July 14, 2028

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED:\$ 18,466.00

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT: [Signature]
By: Brooke Trivas, Principal Date: August 1, 2022

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

CONTINUATION SHEET

AIA DOCUMENT G703

Detail Page 2 of 2 Pages

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

Project:
2515-00 / Stoneham High School

Invoice: **10**
Draw: **2515-10**
Application date: **7/31/2022**
Period ending date: **7/31/2022**

In tabulations below, amounts are stated to the nearest dollar.
Use Column I on contracts where variable retainage for items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
22-000	Stoneham High School								
22-005	Schematic Design Phase	25,000.00	25,000.00			25,000.00	100.00		
22-010	Post Schematic Design	258,528.00	147,728.00	18,466.00		166,194.00	64.28	92,334.00	
GRAND TOTALS		283,528.00	172,728.00	18,466.00		191,194.00	67.43	92,334.00	

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee

A DIVISION	B DESCRIPTION OF WORK MSBA CODE		C SCHEDULED VALUE	D WORK COMPLETED		F STORED MATERIAL	G COMPLETED AND STORED TO DATE (D+E+F)	H % (G/C)	I BALANCE TO FINISH (C-G)	J RETAINAGE	
				PREVIOUS APPLICATION	THIS APPLICATION						
					WORK IN PLACE						STORED MATERIAL
01	CM Fee	0502-0010	188,165.00		37,200.22	-	38,028.15	20%	150,136.85	1,901.41	
02	Bonds and Insurances	0502-0020	297,707.00		-	-	-	0%	297,707.00		
03	Total GMP Construction Contingency	0502-0030	224,845.00		-	-	-	0%	224,845.00		
03	Subtotal Allowances	0502-0030	158,000.00		1,494.80	-	-	0%	158,000.00		
01A	CM Staffing	0502-0100	333,840.00		183,612.00	-	216,084.00	65%	117,756.00	10,804.20	
01A	General Requirements	0502-0100	698,071.00		220,314.67	-	235,205.50	34%	462,865.50	11,760.28	
02	Existing Conditions	0502-0200	-		-	-	-	#DIV/0!	-		
03	Concrete Subtotal	0502-0300	-		-	-	-	#DIV/0!	-		
04	Masonry	0502-0400	-		-	-	-	#DIV/0!	-		
05	Metals Subtotal	0502-0500	-		-	-	-	#DIV/0!	-		
06	Wood, Plastic, and Composites	0502-0600	-		-	-	-	#DIV/0!	-		
07	Thermal & Moisture Protection Subtotal	0502-0700	-		-	-	-	#DIV/0!	-		
08	Doors & Windows Subtotal	0502-0800	-		-	-	-	#DIV/0!	-		
09	Finishes Subtotal	0502-0900	-		-	-	-	#DIV/0!	-		
10	Specialties Subtotal	0502-1000	-		-	-	-	#DIV/0!	-		
11	Equipment Subtotal	0502-1100	-		-	-	-	#DIV/0!	-		
12	Furnishings Subtotal	0502-1200	-		-	-	-	#DIV/0!	-		
13	Special Construction	0502-1300	-		-	-	-	#DIV/0!	-		
14	Elevator Sub	0502-1400	-		-	-	-	#DIV/0!	-		
21	Fire Suppression	0502-2100	-		-	-	-	#DIV/0!	-		
22	Plumbing	0502-2200	-		-	-	-	#DIV/0!	-		
23	HVAC	0502-2300	-		-	-	-	#DIV/0!	-		
25	Integrated Automation	0502-2500	-		-	-	-	#DIV/0!	-		
26	Electrical	0502-2600	604,379.00		178,808.00	-	178,808.00	30%	425,571.00	8,940.40	
27	Communications	0502-2700	-		-	-	-	#DIV/0!	-		
28	Electronic Safety and Security	0502-2800	-		-	-	-	#DIV/0!	-		
31	Earthwork Subtotal	0502-3100	8,015,240.00		1,458,345.00	-	1,458,345.00	18%	6,556,895.00	72,917.25	
32	Exterior Improvements Subtotal	0502-3200	-		-	-	-	#DIV/0!	-		
33	Utilities Subtotal	0502-3300	-		-	-	-	#DIV/0!	-		
-	TOTAL BASE GMP CONTRACT AMOUNT		10,520,247.00		2,079,774.69		2,126,470.65	20%	8,393,776.35		
	CO-01	0508-001	-		-	-	-	#DIV/0!	-		
-	TOTAL CHANGE ORDER AMOUNT	0508-0000	-		-		-	#DIV/0!	-		
	TOTAL CONTRACT AMOUNT		10,520,247.00		2,079,774.69		2,126,470.65	20%	8,393,776.35	106,323.54	

**GENERAL CONTRACTOR PROGRESS PAYMENT
CERTIFICATION AND WAIVER (Conditional)**

PROJECT: Stoneham High School
CONTRACTOR: CONSIGLI CONSTRUCTION CO., INC.
OWNER: Symmes Maini & McKee Associates

Conditioned upon receipt of payment to be made on its progress Application for Payment No. 1 in the amount of \$ 1,975,785.95 for services, labor, material and equipment provided to the above-referenced Project by Contractor through 07/31/22 (the "Payment Period"), Contractor hereby:

1. CERTIFIES to Owner and any lender of Owner that, upon receipt of payment of the amount stated in the prior paragraph, Contractor will be paid in full for all services, labor, materials, equipment, and other items furnished in connection with improvements to real property on the Project for base contract work and approved Change Orders through and including the last day of the Payment Period, except for retainage and not including pending changes or claims, all in accordance with the written contract between the parties for construction of the Project.
2. WAIVES, relinquishes and dissolves all rights to any lien (including, without limitation, liens under the mechanic's lien law of any state wherein the Project may lie) upon the property, real estate, buildings, or improvement for to the extent of sums billed and paid to Contractor through the last day of the Payment Period.
3. AGREES TO INDEMNIFY, defend, and save harmless the Owner and any lender of Owner from all liens, claims and demands, and all expenses incurred, including attorneys' fees and costs of defense, on account of claims brought by anyone claiming by, through or under Contractor, for payment of any services or labor performed or material or equipment furnished in connection with improvements to real property for the Project to the extent of sums billed and paid to Contractor through the last day of the Payment Period.
4. REPRESENTS AND WARRANTS to the Owner and any lender of Owner that all laborers, subcontractors, materialmen and others providing services, labor, material, and/or equipment and all taxes and contributions of any other descriptive title in connection with the work furnished for and through Contractor have been paid in full through the last day of the Payment Period.
5. REPRESENTS AND WARRANTS that no other person or entity has any prior interest in the claims, demands, allegations or causes of action arising on its behalf on account of the work; that Contractor has the sole right and authority to execute this progress certification and waiver and received the sums specified herein; and that Contractor has not sold, assigned, transferred, conveyed, or otherwise disposed of the claims, demands or rights released hereby.

Executed as a sealed instrument this 12th day of August, 2022.

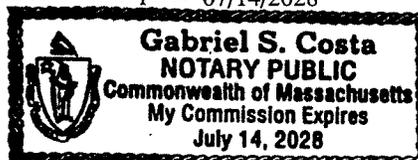
By [Signature]
(Authorized Officer)

Printed Name: Brett Kaneshiro

State of: MA 8/12/22
(Date)

Then personally appeared before me the above-named Brett Kaneshiro, who being duly sworn did say that he/she is the Project Accounting Manager of Consigli Construction Co. that the foregoing instrument was signed on behalf of said corporation by authority of its Board of Directors, and that said instrument was acknowledged to be the free act and deed of said corporation.

[Signature]
Notary Public: Gabriel Costa
My commission expires: 07/14/2028



TO OWNER: Symmes Maini & McKee Associates
1000 Massachusetts Avenue
Cambridge, MA 02138

PROJECT: Stoneham High School

Invoice 1
Draw
Application date: 7/31/2022
Period ending date: 7/31/2022

- DISTRIBUTE TO:
- OWNER
 - ARCHITECT
 - CONTRACTOR
 -
 -

FROM CONTRACTOR: Consigli Construction Co., Inc.
72 Sumner Street
Milford, MA 01757

VIA ARCHITECT: Perkins + Will
225 Franklin Street
Boston, MA 02110

PROJECT NO: 2515

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown above, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1 ORIGINAL CONTRACT SUM	\$10,520,247.00
2. NET CHANGE BY CHANGE ORDERS	\$0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$10,520,247.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$2,079,774.69
5. RETAINAGE:	
a. 5.00 % of Completed Work (Column D + E on G703)	\$ 103,988.74
b. 0.00 % of Stored Material (Column F on G703)	\$ 0.00
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$103,988.74
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$1,975,785.95
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$0.00
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$1,975,785.95
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$8,544,461.05

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Consigli Construction Co., Inc.
By: [Signature] Date: 8/12/22

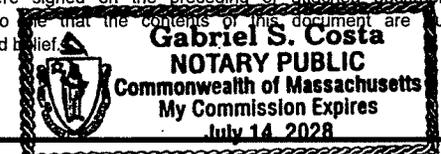
State of: MA County of: Worcester

On this the 12th day of August before me,

proved to me through satisfactory evidence of identity, which was/were Personal knowledge

to be the person(s) whose name(s) was/were signed on the preceding or attached document in my presence, and who swore or affirmed to me that the contents of this document are true and accurate to the best of his/her knowledge and belief.

Notary Public: [Signature]
My Commission expires: 7/17/2028



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED:\$ 1,975,785.95

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:
By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

Project: **2515-01 / Stoneham High School**

Invoice **1**
 Draw
 Application date: **7/31/2022**
 Period ending date: **7/31/2022**

In tabulations below, amounts are stated to the nearest dollar.
 Use Column I on contracts where variable retainage for items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	ORIGINAL BUDGET	APPROVED CHANGE ORDERS	APPROVED TRANSFERS	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D / E)	G TOTAL COMPLETED AND STORED TO DATE (D + E + F)		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		%	(G / C)		
1-000	Stoneham High School	1-000										
1-001	General Conditions	1-001	333,840.00		333,840.00		183,612.00		183,612.00	55.00	150,228.00	9,180.60
1-002	General Requirements	1-002	439,702.00		439,702.00		6,722.17		6,722.17	1.53	432,979.83	336.11
1-220	Temporary Fence	1-220	258,369.00		258,369.00		213,592.50		213,592.50	82.67	44,776.50	10,679.63
1-910	Consigli Payment & Perf Bond	1-910	54,274.00		54,274.00						54,274.00	
1-920	Builder's Risk Insurance	1-920	15,950.00		15,950.00						15,950.00	
1-930	General Liability	1-930	111,652.00		111,652.00						111,652.00	
1-940	Subcontractor Default Insuranc	1-940	115,831.00		115,831.00						115,831.00	
2-401	General Site Excavation Sub	2-401	5,744,480.00		5,744,480.00		1,458,345.00		1,458,345.00	25.39	4,286,135.00	72,917.25
2-790	Geothermal Wells	2-790	2,270,760.00		2,270,760.00						2,270,760.00	
16-001	Electrical Subcontractor	16-001	604,379.00		604,379.00		178,808.00		178,808.00	29.59	425,571.00	8,940.40
19-001	Contingency #1	19-001	224,845.00		224,845.00						224,845.00	
24-001	ALL #1 - Temp Electricity Cons	24-001	25,000.00		25,000.00						25,000.00	
24-002	ALL #2 - Winter Conditions	24-002	100,000.00		100,000.00						100,000.00	
24-003	ALL #3 - Police Details	24-003	24,000.00		24,000.00						24,000.00	
24-004	ALL #4 Dumpsters	24-004	9,000.00		9,000.00		1,494.80		1,494.80	16.61	7,505.20	74.74
25-001	Contractor's Fee	25-001	188,165.00		188,165.00		37,200.22		37,200.22	19.77	150,964.78	1,860.01
	TOTAL		10,520,247.00	.00	.00	10,520,247.00	2,079,774.69	.00	2,079,774.69	19.77	8,440,472.31	103,988.74
	GRAND TOTALS		10,520,247.00	.00	.00	10,520,247.00	2,079,774.69	0.00	2,079,774.69	19.77	8,440,472.31	103,988.74

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee

A DIVISION	B DESCRIPTION OF WORK	MSBA CODE	C SCHEDULED VALUE	D WORK COMPLETED		F STORED MATERIAL	G COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C-G)	I RETAINAGE	
				PREVIOUS APPLICATION	THIS APPLICATION					
					E WORK IN PLACE					F STORED MATERIAL
	Bldg Layout Control & Engineering (Survey)		100,000.00	-	-	-	-	0%	100,000.00	-
	Temporary Drive/Parking Lot Layout & Ctrl		50,000.00	-	-	-	-	0%	50,000.00	-
	Indoor Air Quality (IAQ) Plan (Occupied Ren.)		10,000.00	-	-	-	-	0%	10,000.00	-
	Indoor Air Quality (IAQ) Monitoring		5,000.00	-	-	-	-	0%	5,000.00	-
	Temporary Storage Rental		1,500.00	-	-	-	-	0%	(233,705.50)	-
	Temporary Storage - Setup/Restore		5,000.00	-	-	-	-	0%	5,000.00	-
1-150	Temp. Toilets, Rental Service and Disposal		12,000.00	-	386.88	-	386.88	3%	11,613.12	19.34
	Carpenter Support Safety		19,184.00	-	-	-	-	0%	19,184.00	-
	PPE-Hardhats, Vests, Gloves, Glasses Etc.		240.00	-	-	-	-	0%	240.00	-
	Fire Extinguishers & Stands		16,250.00	-	-	-	-	0%	16,250.00	-
1-156	Safety and First Aid Kit		550.00	-	3,232.71	-	3,232.71	588%	(2,682.71)	161.64
	Covered Walkway / OH Protection		48,712.00	-	-	-	-	0%	48,712.00	-
1-250	Safety Signage		618.00	-	3,102.58	-	3,102.58	502%	(2,484.58)	155.13
	Jersey Barriers - Setup/Rental		100,000.00	-	-	-	-	0%	100,000.00	-
	Dust Control		10,000.00	-	-	-	-	0%	10,000.00	-
	Vehicle and Equipment Protection		5,000.00	-	-	-	-	0%	5,000.00	-
	Project Identification Signage		10,000.00	-	-	-	-	0%	10,000.00	-
	Temporary Pest Control		5,521.00	-	-	-	-	0%	5,521.00	-
	General Labor		40,128.00	-	-	-	-	0%	40,128.00	-
TOTAL GENERAL REQUIREMENTS AMOUNT			439,703.00	-	6,722.17	-	6,722.17	2%	432,980.83	336.11

2515 Stoneham High School

Type of Work: Custom

<u>Cost Code</u>	<u>Tran Cat</u>	<u>Type</u>	<u>Employee Name/ Vendor Name</u>	<u>Emp/Equip/Vendor</u>	<u>PayID/Invoice/Equip</u>	<u>Accounting Date</u>	<u>Units</u>	<u>Rate</u>	<u>Standard Cost</u>
1-150 Toilets									
1-150	O	Other	Flush, LLC	51982	17404	06-20-2022			386.88
							Totals:	.00	386.88
							1150 Toilets Totals:	.00	386.88

2515 Stoneham High School

Type of Work: Custom

Cost Code	Tran Cat	Employee Name/ Vendor Name	Emp/Equip/Vendor	PayID/Invoice/Equip	Accounting Date	Units	Rate	Standard Cost
1-156 Safety & first aid								
1-156	M	Material Home Dept Recpts - CC	51699	9122168	07-07-2022			165.75
1-156	O	Other Cnsgl Cnstrct Co, In.	51209	FES-2515-11968	06-27-2022			750.00
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1039119	06-28-2022			186.48
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1039119	06-28-2022			151.16
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1039119	06-28-2022			21.10
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1042561	06-29-2022			45.68
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1042561	06-29-2022			98.64
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1042561	06-29-2022			9.02
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1043148	06-29-2022			924.00
1-156	O	Other Colny Hrdw Sup Co Inc	3514	INV-1043148	06-29-2022			57.75
1-156	O	Other Signs Plus	19095	58820	06-20-2022			823.13
Totals:							.00	3,232.71
1156 Safety & first aid Totals:							.00	3,232.71

2515 Stoneham High School

Type of Work: Custom

<u>Cost Code</u>	<u>Tran Cat</u>	<u>Type</u>	<u>Employee Name/ Vendor Name</u>	<u>Emp/Equip/Vendor</u>	<u>PayID/Invoice/Equip</u>	<u>Accounting Date</u>	<u>Units</u>	<u>Rate</u>	<u>Standard Cost</u>
<u>1-250 Construction sign material</u>									
1-250	O	Other	Signs Plus	19095	58737	06-08-2022			151.94
1-250	O	Other	Signs Plus	19095	58805	06-15-2022			22.95
1-250	O	Other	Signs Plus	19095	58830	06-21-2022			748.56
1-250	O	Other	Signs Plus	19095	58872	06-27-2022			58.44
1-250	O	Other	Signs Plus	19095	58874	06-27-2022			2,120.69
Totals:								<u>.00</u>	<u>3,102.58</u>
1250 Construction sign material Totals:								<u>.00</u>	<u>3,102.58</u>

2515 Stoneham High School

Type of Work: Custom

<u>Cost Code</u>	<u>Tran Cat</u>	<u>Employee Name/ Vendor Name</u>	<u>Emp/Equip/Vendor</u>	<u>PayID/Invoice/Equip</u>	<u>Accounting Date</u>	<u>Units</u>	<u>Rate</u>	<u>Standard Cost</u>
1-840 Indoor air quality monitoring								
1-840	O	Other	EL Harvey & Sons Inc	8090	997388	07-09-2022		1,494.80
						Totals:	.00	1,494.80
Charge to Allowance 4								
24-004						1840 Indoor air quality monitoring Totals:	.00	1,494.80
						Division 1 Totals:	2.00	21,612.70
						2515 Totals:	2.00	21,612.70
						Report Totals:	2.00	21,612.70

TO OWNER: **Consigli Construction**
 72 Sumner Street
 Milford, MA 01757

PROJECT: **Stoneham High School**

Invoice: ***DRAFT***
 Draw: ***DRAFT***
 Application date: **8/1/2022**
 Period ending date: **7/31/2022**

DISTRIBUTE TO:
 OWNER
 ARCHITECT
 CONTRACTOR

FROM CONTRACTOR:
Riggs Contracting Inc.
 72 Sumner Street
 Milford, MA 01757

VIA ARCHITECT:

PROJECT NO:

CONTRACT DATE: **6/6/2022**

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown above, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	<u>\$258,369.00</u>
2. NET CHANGE BY CHANGE ORDERS	<u>\$0.00</u>
3. CONTRACT SUM TO DATE (Line 1 ± 2)	<u>\$258,369.00</u>
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	<u>\$213,592.50</u>
5. RETAINAGE:	
a. <u>5.00</u> % of Completed Work	<u>\$ 10,679.63</u>
(Column D + E on G703)	
b. <u>0.00</u> % of Stored Material	<u>\$ 0.00</u>
(Column F on G703)	
Total Retainage (Lines 5a+5b or Total in Column I on G703)	<u>\$10,679.63</u>
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	<u>\$202,912.87</u>
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	<u>\$0.00</u>
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	<u>\$202,912.87</u>
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	<u>\$55,456.13</u>

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: **Riggs Contracting Inc.**

By: _____ Date: _____

State of: _____ County of: _____

On this the _____ day of _____ before me, proved to me through satisfactory evidence of identity, which was/were

_____ to be the person(s) whose name(s) was/were signed on the preceding or attached document in my presence, and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public:

My Commission expires: _____

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED:\$ 202,912.87

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

Detail Page 2 of 2 Pages

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

Project:

Invoice: ***DRAFT***

In tabulations below, amounts are stated to the nearest dollar.

2515-03 / Stoneham High School Temp Fenc

Draw:
Application date: **8/1/2022**
Period ending date: **7/31/2022**

Use Column I on contracts where variable retainage for items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
			D FROM PREVIOUS APPLICATION (D + E)	E THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
1-000	Stoneham High School								
1-005	Mobilization	5,000.00		5,000.00		5,000.00	100.00		250.00
1-010	Materials								
1-015	Fence Panels, Posts, Bases	148,951.00		148,951.00		148,951.00	100.00		7,447.55
1-020	Gates	15,785.00						15,785.00	
1-025	Scrim	7,975.00		7,975.00		7,975.00	100.00		398.75
1-030	Installation								
1-035	Fence Panels, Posts and Bases	52,485.00		47,236.50		47,236.50	90.00	5,248.50	2,361.83
1-040	Gates	10,453.00						10,453.00	
1-045	Scrim	17,720.00		4,430.00		4,430.00	25.00	13,290.00	221.50
GRAND TOTALS		258,369.00		213,592.50		213,592.50	82.67	44,776.50	10,679.63

Users may obtain validation of this document by requesting a completed AIA Document D401 - Certification of Document's Authenticity from the Licensee

AIA[®] Document G702[™] – 1992

Application and Certificate for Payment

TO OWNER:

Consigli Construction Co, Inc.
72 Sumner Street
Milford, Massachusetts 01757

FROM CONTRACTOR:

Marois Brothers, Inc.
115 Blackstone River Road
Worcester, Massachusetts 01607-1491

PROJECT:

Stoneham High School
149 Franklin Street
Stoneham, Massachusetts 02180

VIA ARCHITECT:

APPLICATION NO: 1

PERIOD TO: 07/31/22

CONTRACT FOR: SC-2515-001 - Sitework

CONTRACT DATE: 06/14/22

PROJECT NOS: 2515

Distribution to:

- OWNER
ARCHITECT
CONTRACTOR
FIELD
OTHER

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$	<u>4,571,780.00</u>
2. Net change by Change Orders	\$	<u>0.00</u>
3. CONTRACT SUM TO DATE (Line 1+2)	\$	<u>4,571,780.00</u>
4. TOTAL COMPLETED AND STORED TO DATE (Column G on G703)	\$	<u>1,458,345.00</u>
5. RETAINAGE:		
a. 5.0% of Completed Work		
(Column D + E on G703)	\$	<u>72,917.25</u>
b. 0.0% of Stored Material		
(Column F on G703)	\$	<u>0.00</u>
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	\$	<u>72,917.25</u>
6. TOTAL EARNED LESS RETAINAGE	\$	<u>1,385,427.75</u>
(Line 4 Less Line 5 Total)		
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT	\$	<u>0.00</u>
(Line 6 from prior Certificate)		
8. CURRENT PAYMENT DUE	\$	<u>1,385,427.75</u>
9. BALANCE TO FINISH, INCLUDING RETAINAGE		
(Line 3 less Line 6)	\$	<u>3,186,352.25</u>

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$0.00	\$0.00
Total approved this Month	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order		\$ 0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Marois Brothers, Inc.

By: Ralph Marois Date: August 04, 2022
State of: _____ County of: _____

Subscribed and sworn to before me this
Notary Public:
My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 1,385,427.75

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 2)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE				MATERIALS PRESENTLY STORED (NOT IN D OR E)			BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)
001	Mobilization	50,000.00	0.00	50,000.00	0.00	50,000.00	100.0%	0.00	2,500.00	
002	Erosion Controls	84,000.00	0.00	75,600.00	0.00	75,600.00	90.0%	8,400.00	3,780.00	
003	Clear and Grub Site	42,000.00	0.00	39,900.00	0.00	39,900.00	95.0%	2,100.00	1,995.00	
004	Site Demolition & Salvage Items	119,000.00	0.00	107,100.00	0.00	107,100.00	90.0%	11,900.00	5,355.00	
005	Drainage Demolition	37,000.00	0.00	33,300.00	0.00	33,300.00	90.0%	3,700.00	1,665.00	
006	Sewer Demolition	14,000.00	0.00	11,200.00	0.00	11,200.00	80.0%	2,800.00	560.00	
007	Water Demolition	13,000.00	0.00	11,700.00	0.00	11,700.00	90.0%	1,300.00	585.00	
008	Electrical Demolition	67,000.00	0.00	60,300.00	0.00	60,300.00	90.0%	6,700.00	3,015.00	
009	Pavement Demolition	98,000.00	0.00	88,200.00	0.00	88,200.00	90.0%	9,800.00	4,410.00	
010	Dust Control	65,000.00	0.00	22,750.00	0.00	22,750.00	35.0%	42,250.00	1,137.50	
011	Dewatering	37,000.00	0.00	5,550.00	0.00	5,550.00	15.0%	31,450.00	277.50	
012	Strip Loam for the Site Fields	38,000.00	0.00	34,200.00	0.00	34,200.00	90.0%	3,800.00	1,710.00	
013	Strip Loam for West Field Stockpile Area	191,000.00	0.00	124,150.00	0.00	124,150.00	65.0%	66,850.00	6,207.50	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 3)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
014	Haul Offsite Site Fields Loam	9,000.00	0.00	8,100.00	0.00	8,100.00	90.0%	900.00	405.00	
015	Haul Offsite West Field Stockpile Area	52,000.00	0.00	33,800.00	0.00	33,800.00	65.0%	18,200.00	1,690.00	
016	Layout Survey / Engineering	75,000.00	0.00	18,750.00	0.00	18,750.00	25.0%	56,250.00	937.50	
017	Earthwork Cut to Fill	169,000.00	0.00	135,200.00	0.00	135,200.00	80.0%	33,800.00	6,760.00	
018	Site Cut to Waste Organics	107,000.00	0.00	53,500.00	0.00	53,500.00	50.0%	53,500.00	2,675.00	
019	Cut to Stockpile	97,000.00	0.00	58,200.00	0.00	58,200.00	60.0%	38,800.00	2,910.00	
020	Borrow Fill Building to Subgrade	766,000.00	0.00	0.00	0.00	0.00	0.0%	766,000.00	0.00	
021	Borrow Fill 10' Platform West/South of Building Area D	21,000.00	0.00	0.00	0.00	0.00	0.0%	21,000.00	0.00	
022	E&B Perimeter Footings including Str Fill Placement	132,000.00	0.00	0.00	0.00	0.00	0.0%	132,000.00	0.00	
023	E&B Interior Footings including Str Fill Placement	141,000.00	0.00	0.00	0.00	0.00	0.0%	141,000.00	0.00	
024	Bckfl @ Perimeter Footing Insulation	38,000.00	0.00	0.00	0.00	0.00	0.0%	38,000.00	0.00	
025	E&B Interior Electric	8,000.00	0.00	0.00	0.00	0.00	0.0%	8,000.00	0.00	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA[®] Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA[®] Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 4)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
026	Gravel & Grade Temp Parking	39,000.00	0.00	0.00	0.00	0.00	0.00	39,000.00	0.00	
027	Gravel and Grade Boxwood Road Area	27,000.00	0.00	27,000.00	0.00	27,000.00	100.0%	0.00	1,350.00	
028	Gravel and Grade Front Entrance areas	31,000.00	0.00	23,250.00	0.00	23,250.00	75.0%	7,750.00	1,162.50	
029	Gravel and Grade Temp Basin at Lot	37,000.00	0.00	18,500.00	0.00	18,500.00	50.0%	18,500.00	925.00	
030	Spread Loam at North Slope	90,000.00	0.00	0.00	0.00	0.00	0.0%	90,000.00	0.00	
031	Grade Proposed Building Subgrade	40,000.00	0.00	0.00	0.00	0.00	0.0%	40,000.00	0.00	
032	Bituminous @ Boxwood Road	21,000.00	0.00	21,000.00	0.00	21,000.00	100.0%	0.00	1,050.00	
033	Bituminous Walks at Existing School	3,500.00	0.00	3,500.00	0.00	3,500.00	100.0%	0.00	175.00	
034	Bituminous Temp Parking Lot	159,000.00	0.00	0.00	0.00	0.00	0.0%	159,000.00	0.00	
035	Bituminous 12' Wide Entrance Lane	13,500.00	0.00	0.00	0.00	0.00	0.0%	13,500.00	0.00	
036	Drain Materials	94,000.00	0.00	14,100.00	0.00	14,100.00	15.0%	79,900.00	705.00	
037	Drain Labor & Equipment	80,000.00	0.00	12,000.00	0.00	12,000.00	15.0%	68,000.00	600.00	
038	Sewer Materials	81,000.00	0.00	28,350.00	0.00	28,350.00	35.0%	52,650.00	1,417.50	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 5)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD			TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
			WORK COMPLETED							
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)	
039	Sewer Labor & Equipment	148,000.00	0.00	59,200.00	0.00	59,200.00	40.0%	88,800.00	2,960.00	
040	Water Material	213,000.00	0.00	191,700.00	0.00	191,700.00	90.0%	21,300.00	9,585.00	
041	Water Labor & Equipment	132,000.00	0.00	26,400.00	0.00	26,400.00	20.0%	105,600.00	1,320.00	
042	Excavation and Backfill Geothermal	66,000.00	0.00	0.00	0.00	0.00	0.0%	66,000.00	0.00	
043	Concrete Work at Geothermal Vault	5,000.00	0.00	0.00	0.00	0.00	0.0%	5,000.00	0.00	
044	Marois Support for Geothermal Sub	17,000.00	0.00	0.00	0.00	0.00	0.0%	17,000.00	0.00	
045	Grade Geothermal Area	6,000.00	0.00	0.00	0.00	0.00	0.0%	6,000.00	0.00	
046	Temporary Signs and Pavement Markings	22,000.00	0.00	0.00	0.00	0.00	0.0%	22,000.00	0.00	
047	E&B Electrical Duct Bank A	118,000.00	0.00	23,600.00	0.00	23,600.00	20.0%	94,400.00	1,180.00	
048	E&B Electrical Duct Bank B	12,000.00	0.00	0.00	0.00	0.00	0.0%	12,000.00	0.00	
049	E&B Electrical Duct Bank C	9,000.00	0.00	0.00	0.00	0.00	0.0%	9,000.00	0.00	
050	E&B Electrical Duct Bank D	29,000.00	0.00	0.00	0.00	0.00	0.0%	29,000.00	0.00	
051	E&B Electrical Duct Bank E	61,000.00	0.00	0.00	0.00	0.00	0.0%	61,000.00	0.00	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 6)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
052	E&B Electrical Duct Bank H	14,000.00	0.00	0.00	0.00	0.00	0.00	14,000.00	0.00	
053	E&B Electrical Duct Bank I	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00	
054	E&B Electrical Duct Bank J	3,000.00	0.00	0.00	0.00	0.00	0.00	3,000.00	0.00	
055	E&B Electrical Duct Bank L	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	
056	E&B Electrical/telephone Manholes	17,000.00	0.00	0.00	0.00	0.00	0.00	17,000.00	0.00	
057	E&B Pull Boxes	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00	
058	Transformer Pad	4,000.00	0.00	0.00	0.00	0.00	0.00	4,000.00	0.00	
059	E&B Electric for Trailers	7,500.00	0.00	0.00	0.00	0.00	0.00	7,500.00	0.00	
060	Traffic Signal	82,780.00	0.00	20,695.00	0.00	20,695.00	25.0%	62,085.00	1,034.75	
061	Dust Control	68,000.00	0.00	0.00	0.00	0.00	0.00	68,000.00	0.00	
062	Hydrseeding	16,000.00	0.00	0.00	0.00	0.00	0.00	16,000.00	0.00	
063	Trench Boxes and Plates	23,500.00	0.00	7,050.00	0.00	7,050.00	30.0%	16,450.00	352.50	
064	Closeout	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	
065	Punchlist .	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 7)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
066	Demobilization	20,000.00	0.00	0.00	0.00	0.00	0.00	20,000.00	0.00	
067	As-Builts	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00	
068	Barrier Gate at Boxwood	10,500.00	0.00	0.00	0.00	0.00	0.00	10,500.00	0.00	
069	Rock Probing 3 Days	10,500.00	0.00	10,500.00	0.00	10,500.00	100.0%	0.00	525.00	
070	Unsuitable Allowance 2500 CY	129,000.00	0.00	0.00	0.00	0.00	0.00	129,000.00	0.00	
071	Petroleum Contaminated Soil 500 CY	108,000.00	0.00	0.00	0.00	0.00	0.00	108,000.00	0.00	
1	General site excavation sub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	GRAND TOTAL	\$4,571,780.00	\$0.00	\$1,458,345.00	\$0.00	\$1,458,345.00	31.9%	\$3,113,435.00	\$72,917.25	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

WAIVER AND PAYMENT AFFIDAVIT**GENERAL CONTRACTOR:** Consigli Construction Co, Inc. 72 Sumner Street Milford, Massachusetts 01757**SUBCONTRACTOR / MATERIAL SUPPLIER:** Marois Brothers, Inc.**PROJECT:** Stoneham High School**CONTRACT #:** SC-2515-001**Req # 1**

Total Contract	Amount	Amount Paid
Amount: \$ <u>4,571,780.00</u>	Previously	This Date: \$ <u>1,385,427.75</u>
	Requisitioned: \$ <u>0.00</u>	

The undersigned acknowledges that upon receipt of the \$1,385,427.75 and it has been paid all sums due for all labor, services, equipment or materials furnished by the undersigned or on behalf of the undersigned to or in connection with the project and the undersigned hereby releases, discharges, relinquishes and waives any and all claims, suits, bond claims, liens, and rights of lien for all work, labor, services, equipment or materials furnished or performed in connection with construction located at the project through 07/31/2022 whether such claims, demands and rights arise pursuant to a written or oral contract or otherwise. This release does not cover any retention, if any, or labor, services equipment or materials furnished after that date.

The undersigned hereby certifies, as an inducement to Consigli Construction Co, Inc. to pay funds to it under its Subcontract or Material Purchase Agreement (MPA) for work performed prior to 07/31/2022, and acknowledging that Consigli Construction Co, Inc. will rely upon such representation that all bills for labor, materials, equipment rental, taxes, fringes and benefits and all other charges arising out of performance of the Subcontract or MPA through the date above have been fully paid by the undersigned, **except as follows:**

Name	Address & Phone# & Contact Person	Amount Due
------	-----------------------------------	------------

The undersigned further agrees that if it does not promptly pay the above and furnish Consigli Construction Co, Inc. with releases (Form 2) from the above parties, then Consigli Construction Co, Inc. shall be authorized to make payment to the above by jointly payable checks and deduct the amount due from sums due Subcontractor or supplier under the Subcontract or MPA.

The undersigned warrants that all subcontractors, suppliers, equipment lessors, labor, taxes, union benefits and fringes applicable to this project have been paid in full through the date set forth above and agrees to defend, indemnify and hold Consigli Construction Co, Inc. and all sureties harmless against any loss arising from the nonpayment thereof.

The undersigned certifies or declares under the penalty of law that the foregoing is true and correct.

Executed as a sealed instrument this 4th day of August, 2022.

Subcontractor/ Material Supplier Company Name: Marois Brothers, Inc.

Subcontractor/ Material Supplier: Ralph Marois Printed Name: Ralph Marois
Duly Authorized Signature

Title: Vice President

AIA® Document G702™ – 1992

Application and Certificate for Payment

TO OWNER:

Consigli Construction Co, Inc.
72 Sumner Street
Milford, Massachusetts 01757

FROM CONTRACTOR:

Jupiter Electric, Inc.
142 B Lafayette Road
Salisbury, Massachusetts 01952

PROJECT:

Stoneham High School
149 Franklin Street
Stoneham, Massachusetts 02180

VIA ARCHITECT:

APPLICATION NO: 1

PERIOD TO: 07/31/22

CONTRACT FOR: FSC-2515-001 - Electrical

CONTRACT DATE: 06/13/22

PROJECT NOS: 2515

Distribution to:

- OWNER
ARCHITECT
CONTRACTOR
FIELD
OTHER

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

- 1. ORIGINAL CONTRACT SUM \$ 604,379.00
- 2. Net change by Change Orders \$ 0.00
- 3. CONTRACT SUM TO DATE (Line 1+2) \$ 604,379.00
- 4. TOTAL COMPLETED AND STORED TO DATE (Column G on G703) \$ 178,808.00
- 5. RETAINAGE:
 - a. 5.0% of Completed Work
(Column D + E on G703) \$ 8,940.40
 - b. 0.0% of Stored Material
(Column F on G703) \$ 0.00
 - Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ 8,940.40
- 6. TOTAL EARNED LESS RETAINAGE \$ 169,867.60
(Line 4 Less Line 5 Total)
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT \$ 0.00
(Line 6 from prior Certificate)
- 8. CURRENT PAYMENT DUE \$ 169,867.60
- 9. BALANCE TO FINISH, INCLUDING RETAINAGE
(Line 3 less Line 6) \$ 434,511.40

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$0.00	\$0.00
Total approved this Month	\$0.00	\$0.00
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order	\$ 0.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Jupiter Electric, Inc.

By: Maureen Marshall Date: August 05, 2022
State of: _____ County of: _____

Subscribed and sworn to before me this
Notary Public:
My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 169,867.60
(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 2)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
1	Electrical subcontractor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	Site Lighting	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00	0.00
101	Conduit	49,757.00	0.00	10,000.00	0.00	10,000.00	20.1%	39,757.00	500.00	500.00
102	Electrical Duct Bank	129,000.00	0.00	77,913.00	0.00	77,913.00	60.4%	51,087.00	3,895.65	3,895.65
103	Telecom Duct Bank	90,000.00	0.00	56,087.00	0.00	56,087.00	62.3%	33,913.00	2,804.35	2,804.35
104	Primary Ductbank relocation	10,000.00	0.00	10,000.00	0.00	10,000.00	100.0%	0.00	500.00	500.00
105	Manholes	98,600.00	0.00	0.00	0.00	0.00	0.0%	98,600.00	0.00	0.00
106	Demo	1,000.00	0.00	0.00	0.00	0.00	0.0%	1,000.00	0.00	0.00
107	Temp service	15,000.00	0.00	0.00	0.00	0.00	0.0%	15,000.00	0.00	0.00
108	Temp Trailers	2,500.00	0.00	0.00	0.00	0.00	0.0%	2,500.00	0.00	0.00
109	Temp Lighting parking lot Lights & Walkwy	3,000.00	0.00	0.00	0.00	0.00	0.0%	3,000.00	0.00	0.00
110	Labor	0.00	0.00	0.00	0.00	0.00	0.0%	0.00	0.00	0.00
111	Site Lighting	10,900.00	0.00	0.00	0.00	0.00	0.0%	10,900.00	0.00	0.00

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 3)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT,

containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1

APPLICATION DATE: 07/27/22

PERIOD TO: 07/31/22

ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
			WORK COMPLETED				TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G / C)		
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)					BALANCE TO FINISH (C - G)
112	Conduit	41,200.00	0.00	6,800.00	0.00	6,800.00	16.5%	34,400.00	340.00	
113	Electrical Duct bank	59,514.00	0.00	0.00	0.00	0.00	0.0%	59,514.00	0.00	
114	Telecom duct bank	46,000.00	0.00	0.00	0.00	0.00	0.0%	46,000.00	0.00	
115	Primary duct bank relocation	6,800.00	0.00	5,100.00	0.00	5,100.00	75.0%	1,700.00	255.00	
116	Manholes	2,200.00	0.00	0.00	0.00	0.00	0.0%	2,200.00	0.00	
117	Demo	4,300.00	0.00	4,300.00	0.00	4,300.00	100.0%	0.00	215.00	
118	Temp Service	6,500.00	0.00	0.00	0.00	0.00	0.0%	6,500.00	0.00	
119	Temp trailers	2,100.00	0.00	0.00	0.00	0.00	0.0%	2,100.00	0.00	
120	Temp Lighting parking lot lights & walkways	10,900.00	0.00	0.00	0.00	0.00	0.0%	10,900.00	0.00	
121	O & M Manuals	500.00	0.00	0.00	0.00	0.00	0.0%	500.00	0.00	
122	As builts	500.00	0.00	0.00	0.00	0.00	0.0%	500.00	0.00	
123	Bond premuim	8,108.00	0.00	8,108.00	0.00	8,108.00	100.0%	0.00	405.40	
124	Submittals	1,000.00	0.00	500.00	0.00	500.00	50.0%	500.00	25.00	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. **WARNING: This AIA® Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA® Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law.** Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

AIA[®] Document G703[™] - 1992

Continuation Sheet (page 4)

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1
APPLICATION DATE: 07/27/22
PERIOD TO: 07/31/22
ARCHITECT'S PROJECT NO: 2515

A	B	C	D		E	F	G		H	I
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	%(G / C)	BALANCE TO FINISH (C - G)	RETAINAGE (IF VARIABLE RATE)	
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD						
	GRAND TOTAL	\$604,379.00	\$0.00	\$178,808.00	\$0.00	\$178,808.00	29.6%	\$425,571.00	\$8,940.40	

AIA Document G703[™] -- 1992. Copyright © 1953, 1963, 1965, 1971, 1978, 1983 and 1992 by The American Institute of Architects. All rights reserved. WARNING: This AIA[®] Document is protected by U.S. Copyright Law and International Treaties. Unauthorized reproduction or distribution of this AIA[®] Document, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law. Purchasers are permitted to reproduce ten (10) copies of this document when completed. To report copyright violations of AIA Contract Documents, e-mail The American Institute of Architects' legal counsel, copyright@aia.org.

WAIVER AND PAYMENT AFFIDAVIT**GENERAL CONTRACTOR:** Consigli Construction Co, Inc. 72 Sumner Street Milford, Massachusetts 01757**SUBCONTRACTOR / MATERIAL SUPPLIER:** Jupiter Electric, Inc.**PROJECT:** Stoneham High School**CONTRACT #:** FSC-2515-001**Req # 1**

Total Contract	Amount	Amount Paid
Amount: \$ <u>604,379.00</u>	Previously	This Date: \$ <u>169,867.60</u>
	Requisitioned: \$ <u>0.00</u>	

The undersigned acknowledges that upon receipt of the \$169,867.60 and it has been paid all sums due for all labor, services, equipment or materials furnished by the undersigned or on behalf of the undersigned to or in connection with the project and the undersigned hereby releases, discharges, relinquishes and waives any and all claims, suits, bond claims, liens, and rights of lien for all work, labor, services, equipment or materials furnished or performed in connection with construction located at the project through 07/31/2022 whether such claims, demands and rights arise pursuant to a written or oral contract or otherwise. This release does not cover any retention, if any, or labor, services equipment or materials furnished after that date.

The undersigned hereby certifies, as an inducement to Consigli Construction Co, Inc. to pay funds to it under its Subcontract or Material Purchase Agreement (MPA) for work performed prior to 07/31/2022, and acknowledging that Consigli Construction Co, Inc. will rely upon such representation that all bills for labor, materials, equipment rental, taxes, fringes and benefits and all other charges arising out of performance of the Subcontract or MPA through the date above have been fully paid by the undersigned, **except as follows:**

Name	Address & Phone# & Contact Person	Amount Due
------	-----------------------------------	------------

The undersigned further agrees that if it does not promptly pay the above and furnish Consigli Construction Co, Inc. with releases (Form 2) from the above parties, then Consigli Construction Co, Inc. shall be authorized to make payment to the above by jointly payable checks and deduct the amount due from sums due Subcontractor or supplier under the Subcontract or MPA.

The undersigned warrants that all subcontractors, suppliers, equipment lessors, labor, taxes, union benefits and fringes applicable to this project have been paid in full through the date set forth above and agrees to defend, indemnify and hold Consigli Construction Co, Inc. and all sureties harmless against any loss arising from the nonpayment thereof.

The undersigned certifies or declares under the penalty of law that the foregoing is true and correct.

Executed as a sealed instrument this 5th day of August, 2022.

Subcontractor/ Material Supplier Company Name: Jupiter Electric, Inc.

Subcontractor/ Material Supplier: Maureen Marshall Printed Name: Maureen Marshall
Duly Authorized Signature

Title: Job Title

VE Item D-050 Reduce Emergency Generator from 1000 kW to 500 kW

\$139,003

Cost Add to Provide Docking Station

VM-Future Genset Dock Stn-ATS+Panel	207,077 sf	0.50 /sf	103,466
ELECTRICAL (TS)	sf	/sf	103,466
Low-Voltage Distribution Equipment	sf	/sf	34,142
Distribution panel - 800A	1 ea	34,141.84 /ea	34,142
Low-Voltage Distribution Feeders	sf	/sf	50,270
Feeder (EMT/CU) - 800A - Assumed Ftgs	250 lf	201.08 /lf	50,270
Packaged Generator Assemblies - 1MW	sf	/sf	4,394
Camlock connection box: 800A, NEMA-3R	1 ea	4,394.45 /ea	4,394
Transfer Switches	sf	/sf	14,659
MTS - 800A, 480V, 3-phase, NEMA-1	1 ea	14,659.48 /ea	14,659

AMENDMENT TWO TO
OWNER – CONSTRUCTION MANAGER AGREEMENT

Authorization of Compensation for Services Rendered for Amendment Two – Structural Package Prior to
Guaranteed Maximum Price Approval

Amendment One to the Owner – Construction Manager Agreement is executed this 15th day of August, 2022, in the not-to-exceed amount of Nineteen Million Eight Hundred Twenty Nine Thousand and Six Hundred Forty Three Dollars and No Cents (\$19,829,643.00), by the Awarding Authority, Town of Stoneham, hereinafter referred to as the “Owner,” by and through the School Building Committee, and Consigli Construction Co., Inc., hereinafter referred to as the “Construction Manager” or “CM”.

The parties hereto agree that the provisions set forth herein shall supplement, by amendment, the previously stipulated provisions of the Owner – CM Agreement and General Conditions, and prior amendments thereto.

Whereas, the Owner and the CM are presently engaged in the process of determining the Guaranteed Maximum Price (“GMP”) for the project within the Agreement, and no agreement has yet been reached regarding the date by which the CM shall submit a proposed GMP to the Owner in accordance with Article 6.5.1 of the Agreement; and

Whereas, the Owner has authorized the CM to commence certain construction services associated with Amendment One in advance of the Owner’s approval of a GMP, and, in conjunction therewith, the Owner wishes to implement a procedure to authorize compensation of the CM for such services upon satisfactory performance thereof;

Therefore, pursuant to Article 6.5.2 of the Agreement, the parties hereby stipulate that compensation for services rendered by the CM prior to the Owner’s acceptance of the GMP shall be authorized upon the following terms and conditions:

- 1) Prior to the submission of first application for payment, the CM shall submit a schedule of values for all construction activities authorized, in such detail as the Owner shall require, pursuant to Article VIII.1 of the General Conditions.
- 2) The CM shall submit periodic application for payment, which shall comply with and be processed in accordance with the provisions of Article VIII.4 of the General Conditions, for work completed in each respective payment period.
- 3) Payment for authorized services rendered prior to approval of the GMP shall be made by the Owner subject to and in accordance with applicable provisions of the Contract Documents.

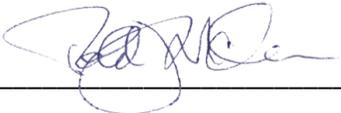
Upon acceptance of a GMP by the Owner, the provisions of the Contract Documents relative to submittal of a schedule of values, applications for payment, and payment for services rendered shall apply without regard hereto, and the terms of the Amendment shall expire.

Appendices B, C, and D of the General Conditions of the Contract shall be modified as follows: The Construction Participation goal is 8.8% WBE and 4.2% MBE.

Except as provided herein, all other provisions of the Owner-Construction Manager Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed under seal as of the date set forth above.

CONSTRUCTION MANAGER, CONSIGLI CONSTRUCTION CO., INC.

By:  _____

Name: Todd McCabe

Title: Project Executive

Date: August 15, 2022

OWNER, TOWN OF STONEHAM

By: _____

Name: Dennis Sheehan

Title: Town Administrator

Date: _____

APPROVED AS TO AVAILABILITY OF APPROPRIATION:

Pursuant to M.G.L. c. 44, §31C, this is to certify that an appropriation in the amount of this Agreement is available therefor, and that the signatories are duly authorized to sign on behalf of the Town and to make final binding decisions regarding the project.

Town Accountant

Dated: _____

Approved as to Form:

Town Counsel

TOWN OF STONEHAM

STONEHAM HIGH SCHOOL



BID PACKAGE #2: STRUCTURAL

TOWN OF STONEHAM

Stoneham High School

SUBMITTED BY:

Consigli Construction Co., Inc.

72 Sumner Street

Milford, MA 01757

August 15, 2022



CONSIGLI
Est. 1905

TABLE OF CONTENTS

Stoneham High 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. Bid Package #2 GMP Summary
2. Assumptions & Qualifications
3. General Requirements
4. Schedule



CONSIGLI
Est. 1905

Stoneham High School

Stoneham, MA

Bid Package #2 (Concrete, Steel, Below Grade Waterproofing, Elevators)

08/15/22



WBS	DESCRIPTION	TOTAL		60% CD ESTIMATE		VARIANCE		
			202,995 SF		202,995 SF			
03-30	CONCRETE	24.32	4,936,800	21.89	4,443,575	493,225	11.1%	
05-12	STRUCTURAL STEEL	57.09	11,588,044	43.90	8,912,217	2,675,827	30.0%	
07-10	WATERPROOFING & JOINT SEALANTS - ALLOWANCE	0.37	75,000	0.12	23,782	51,218	215.4%	
14-20	ELEVATORS	1.90	385,339	2.28	462,990	(77,651)	-16.8%	
SUBTOTAL 0		84	16,985,183	68	13,842,564	3,142,619	23%	
	Design/Estimate Contingency	0.00%	-	1.70	346,064	(346,064)	-100.0%	
	Escalation	0.00%	-	0.18	37,375	(37,375)	-100.0%	
SUBTOTAL 1 (TRADE COSTS)		84	16,985,183	70	14,226,003	2,759,180	19.4%	
	SDI (Non-Trade Contracts)	1.40%	1.14	231,348	0.92	186,981	44,367	23.7%
	Contractor's Contingency	2.50%	2.12	430,413	1.78	360,325	70,089	19.5%
SUBTOTAL 2		87	17,646,944	73	14,773,309	2,873,635	19%	
	General Conditions		4.48	910,245	4.48	910,245	-	0.0%
	General Requirements		2.87	582,568	2.87	582,568	-	0.0%
SUBTOTAL 3		94	19,139,757	80	16,266,122	2,873,635	18%	
	Builder's Risk Insurance	0.157%	0.15	30,076	0.13	25,561	4,516	17.7%
	General Liability Insurance	1.10%	1.04	210,537	0.88	178,927	31,610	17.7%
	Building Permit - NIC	0.00%	-	-	-	-	-	
	Performance & Payment Bond		0.50	102,341	0.50	102,341	-	0.0%
SUBTOTAL 4		96	19,482,712	82	16,572,951	2,909,761	18%	
	Fee		1.71	346,932	1.71	346,932	-	0.0%
TOTAL COST		98	19,829,643	83	16,919,882	2,909,761	17%	



CONSIGLI
Est. 1905

ASSUMPTIONS & QUALIFICATIONS

STONEHAM HIGH SCHOOL

BID PACKAGE #2: STRUCTURAL

AUGUST 15, 2022



GENERAL

1. Pricing is based on the following:
 - Construction Documents – BP2 - Structural Drawings by Perkins & Will dated June 24, 2022.
 - Construction Documents – BP2 - Structural Specifications by Perkins & Will dated June 24, 2022.
 - Addendum #1 By Perkins & Will dated July 11, 2022.
 - Addendum #2 By Perkins & Will dated July 14, 2022.
2. With the exception of Consigli quality assurance and quality control, all testing and/or inspections are by the Owner and therefore not included.
3. Builders Risk Insurance is included.
4. General Liability Insurance is included.
5. Building permit cost is not included.
6. A Performance and Payment Bond is included.
7. Sales tax is not included as this project is tax exempt.
8. Subcontractor insurances for non-Trade contractors are included per Consigli standard subcontract.
9. Utility company back charges, user fees, etc. (temporary electric, water, gas, etc.) are excluded.
10. Work hours are assumed to be normal business hours (7:00AM to 3:30PM) Monday to Friday. While Stoneham High School is in session, deliveries and trucking blackout times are 7:30AM to 8:30AM and 2:30PM to 3:15PM.
11. Site Security costs or provisions, except for site perimeter fencing, are not included.
12. All design is by the Owner's Designer. Unless otherwise noted in the documents, delegated design is excluded.
13. The updated schedule included reflects the pre-purchase of certain long-lead electrical and HVAC equipment starting on August 22, 2022. The schedule also reflects an overall structural steel erection duration of 15 weeks, starting on March 15, 2023.
14. The GMP excludes cost and schedule impacts due to: (i) future Government orders to stop Work, Owner suspensions of the Work, labor and material shortages, supply chain disruptions not known as of the date of this GMP, or delays to deliveries not known as of the date of this GMP due to a Covid-19 surge or subsequent "waves" or otherwise due to pandemic, epidemic or quarantine and (ii) the imposition of federal, state, and local requirements for construction safety and hygiene practices that are more restrictive than those currently in place. The time and cost impacts of these events and circumstances, should they occur, will be the subject of a Change Order.

CONCRETE

15. Shoring of metal decks excluded.
16. Stadium concrete work excluded.
17. Site / Site improvements concrete excluded.
18. 3" rigid insulation as specified excluded. Note: 2" rigid insulation included.
19. A 3/4" aggregate is included throughout. Special concrete mix associated w/ polished concrete areas excluded.
20. Polished concrete excluded.
21. Barrier one &/or MVRA -Moisture mitigation admixtures (SOG/SOD) excluded.
22. Joint fillers/sealants/hardeners excluded.

ASSUMPTIONS & QUALIFICATIONS

STONEHAM HIGH SCHOOL

BID PACKAGE #2: STRUCTURAL

AUGUST 15, 2022



STRUCTURAL STEEL

23. Police details excluded.
24. Uniform fire watch excluded. Per Chief Grafton, a uniformed fire watch will not be required until the building is enclosed.
25. FAA permit excluded.
26. Stadium steel work excluded.
27. Tolerances above AISC code of standard practice excluded.
28. AESS steel excluded. Note – preparation standards per specification.
29. 3" steel deck considered as an alternative to 3" N Deck. Flute pattern is different and has 24" coverage.
30. Primer at cellular acoustic deck is included. No finish paint is included.
31. Misc. metals excluded.
32. Intumescent painting excluded.
33. Finish painting of steel/joists excluded.
34. All steel other than 50ksi will be stamped.
35. Thermal coating (Aerolon) is included at hangers only. As shown as shaded on the architectural drawings A32-A1 and as noted on the structural detail 9/S21-01.
36. Curtainwall anchors/attachments excluded.
37. AISC certification erection only is excluded. If not certified they go by AISC standards for their quality control.

WATERPROOFING (BELOW-GRADE)

38. Underslab waterproofing is included under 2 elevator pits, LULA pit, Arbor pit, Orchestra pit, and Switchgear pit only. Waterproofing at walls of these is included.

ELEVATORS

39. Wheelchair lifts are not included in this bid package.
40. Elevators included are KONE MonoSpace 500. KONE is specified and they have provided a comparable product to the basis-of-design. KONE has provided a validity of proposal statement that their product meets the intent of the drawings and specifications.
41. The LULA at the Auditorium is not included.
42. Flooring material is supplied by others.
43. Monthly State Elevator inspections will be completed during regular time.
44. Hoistway entrances to be KONE standard. KONE is specified and they have provided a comparable product to the basis-of-design. KONE has provided a validity of proposal statement that their product meets the intent of the drawings and specifications.
45. Provisions for security are included only, no devices such as card readers are included.

ASSUMPTIONS & QUALIFICATIONS

STONEHAM HIGH SCHOOL

BID PACKAGE #2: STRUCTURAL

AUGUST 15, 2022



CONSIGLI

Est. 1905

ALLOWANCES

46.	Concrete: Winter Conditions - Concrete/Accelerators/Protection	\$50,000
47.	Concrete: Additional MEP Housekeeping/equipment pads	\$15,000
48.	Structural Steel: Beam penetrations (Types A-D)	\$75,000
49.	Structural Steel: Touch up of thermal coating (Aerolon)	\$40,000
50.	Structural Steel: Mock-up	\$20,000
51.	Waterproofing: Below-grade waterproofing at pits	\$75,000

HOLDS

52.	Concrete: Floor protection at polished concrete	\$20,000
53.	Concrete: Foundation insulation	\$30,000
54.	Structural Steel: Additional safety monitoring	\$45,000
55.	Elevators: Elevator Operator During Construction	\$20,000



CONSIGLI
Est. 1905

Stoneham High School

Estimated Construction Duration:

5 months

Date 8/11/22



Value:

GSF: 207,077 sq ft

		Qty	Units	% Allocated	Total Hours	Hourly/ Unit Rate	BP#2 Total Cost
E. Professional Services							
SUBTOTAL: Professional Services							\$0
F. Insurance and Bonds Costs							
SUBTOTAL: Insurance and Bonds Costs							\$0
G. Temporary Utilities & Services							
1.	Temp Water Consumption (Allowance)	0	LS			\$40,000	\$10,000
2.	Temp Electricity Consumed (Allowance)	1	LS			\$25,000	\$25,000
SUBTOTAL: Temporary Utilities & Services							\$35,000
H. Winter Conditions							
SUBTOTAL: Winter Conditions							\$0
I. Temporary Construction Facilities							
1.	Temporary Storage - Rental	5	MO			\$500	\$2,500
2.	Temp Toilets Rental, Service and Disposal	5	MO			\$4,000	\$20,000
SUBTOTAL: Temporary Construction Facilities							\$22,500
J. Hoisting & Scaffolding							
SUBTOTAL: Hoisting & Scaffolding							\$0
K. Temporary Safety							
1.	Carpenter Support - Safety	5	MOS	50%		\$135	\$9,156
2.	PPE - Hardhats, Vests, Gloves, Glasses, Etc.	5	MO			\$120	\$600
3.	Safety and First Aid Kit	5	MO			\$275	\$1,375
4.	Temporary Stairs and Rails	6	FLT			\$15,000	\$90,000
5.	Floor/Roof Opening Protection - Guardrails	1,000	LF			\$50	\$50,000
6.	Floor/Roof Opening Protection - Coverings	100	EA			\$50	\$5,000
7.	Safety Signage	8	EA			\$150	\$1,200
SUBTOTAL: Temporary Safety							\$157,331
L. Temporary Protection							
1.	Carpenter Support - Temp Protection		MOS	100%			\$117,720
SUBTOTAL: Temporary Protection							\$117,720
M. Site Logistics							
1.	Temporary Pest Control	22	EA			\$425	\$9,201
2.	Police Details (Allowance)	0.5	LS			\$48,000	\$24,000
SUBTOTAL: Temporary Protection of Finishes/Occupancy							\$33,201
N. Indoor Air Quality/Infectious Controls							
SUBTOTAL: Indoor Air Quality/Infectious Controls							\$0

Date **8/11/22**



Startup Duration: **3** months

Value: Closeout Duration: **0** months

GSF: **207,077 sq ft**

		Qty	Units	% Allocated	Total Hours	Hourly/ Unit Rate	BP#2 Total Cost
O. Clean Up & Debris Management							
1.	General Labor	5	MOS	100%	912	\$109	\$99,408
2.	Clean Up During Job	5	MOS	100%	912	\$109	\$99,408
3.	Dumpsters, Excluding Demolition (Allowance)	20	EA			\$900	\$18,000
SUBTOTAL: Clean Up & Debris Management							\$216,816
P. Miscellaneous Items							
SUBTOTAL: Miscellaneous Items							\$0
TOTAL GENERAL REQUIREMENTS							\$582,568



CONSIGLI
Est. 1905

Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	2023												2024												2025					
						A	S	Oct	N	D	J	F	M	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J	Jul	A	S	Oct	N	D	J
Stoneham High School - Bid Package 2																																			
Milestones																																			
A1090	Notice to Proceed	0	0	26-Feb-21 A																															
A7190	Graduation	0	0	03-Jun-22 A																															
A1120	Start Construction - Summer Slammer 2022	0	0	17-Jun-22 A																															
A8010	Mobilize	0	0	20-Jun-22 A																															
A1830	Athletes Return - Summer Slammer 2022	0	0	15-Aug-22*																															
A1450	Summer Slammer 2022 Complete	0	0		27-Aug-22*																														
A8020	Start Foundation	0	0	13-Oct-22																															
A1730	Issue Final Construction Documents	0	0		04-Nov-22																														
A8030	Geothermal Complete	0	0		07-Mar-23																														
A8160	Start Structural Steel	0	0	15-Mar-23																															
A8200	North & South Structural Steel Complete	0	0		27-Apr-23																														
A8170	Auditorium & Spartan Place Structural Steel Complete	0	0		02-Jun-23																														
A7370	Start Construction - Summer Slammer 2023	0	0	19-Jun-23*																															
A8180	Weather Tight Academic Building	0	0		19-Jun-23																														
A7390	Athletes Return - Summer Slammer 2023	0	0	11-Aug-23*																															
A7380	Summer Slammer 2023 Complete	0	0		25-Aug-23*																														
A7550	Permanent Power	0	0		01-Dec-23																														
A1110	C of O [June 14th, 2024]	0	0		28-Jun-24*																														
A8190	Abatement and Demolition Complete	0	0		18-Sep-24																														
A1150	Fields / Landscaping Complete	0	0		11-Apr-25*																														
A1190	Final Project Completion	0	0		30-May-25*																														
Schedule Impacts																																			
Eversource Disconnect Service to Field																																			
A8260	Requested Eversource to Mobilize	5	0	01-Jun-22 A	01-Jun-22 A																														
A8270	Eversource Failure to Mobilize	5	0	01-Jun-22 A	19-Jul-22 A																														
Design / Preconstruction																																			
Schematic Design																																			
A6890	Schematic Design Estimate	15	0	26-Apr-21 A	14-May-21 A																														
Design Development																																			
A1790	Design Development	104	0	01-Nov-21 A	01-Apr-22 A																														
A2040	DD Estimate / Reconciliation / VE	20	0	23-Feb-22 A	22-Mar-22 A																														
Pre-Purchase Equipment																																			
A8280	Pre-Purchase Design Information Issued	0	0	01-Aug-22 A																															
A8290	Pre-Purchase MEP Equipment	24	24	23-Aug-22	26-Sep-22																														
Construction Documents																																			
A2050	60% Construction Documents	43	0	04-Apr-22 A	27-May-22 A																														
A2080	Phase 1A Early Site Enabling & Steel Joist Package Issued	0	0		09-May-22 A																														
A7070	Early Enabling Package Bidding	11	0	10-May-22 A	20-May-22 A																														
A7100	Develop Early Enabling GMP	5	0	23-May-22 A	03-Jun-22 A																														
A2060	60% CD Estimate / Reconciliation / VE	17	0	31-May-22 A	22-Jun-22 A																														
A1800	90% Construction Documents Pricing Set	64	11	31-May-22 A	22-Aug-22																														

Start Date 26-Feb-21
 Finish Date 30-May-25
 Data Date 08-Aug-22
 Run Date 12-Aug-22 10:18
 © Primavera Systems, Inc.

Remaining Level of Effort
 Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone

Consigli Construction Co., Inc.
Stoneham High School - Bid Package 2
Project Schedule - Updated 08-Aug-22



Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	2023												2024												2025								
						A	S	Oct	N	D	J	F	M	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J	Jul	A	S	Oct	N	D	J	F	M	A
A7110	Early Enabling GMP Approval - Bid Package 1	5	0	31-May-22 A	06-Jun-22 A	Enabling GMP Approval - Bid Package 1																																
A6900	Phase 2 Early Release - Issue Site / Foundation / Waterproofing / Elevators / Steel / Bid Package	0	0		24-Jun-22 A	Phase 2 Early Release - Issue Site / Foundation / Waterproofing / Elevators / Steel / Bid Package																																
A7080	Concrete, and Steel Package Bidding	15	5	27-Jun-22 A	12-Aug-22	Concrete, and Steel Package Bidding																																
A7120	Develop Concrete and Steel GMP	10	5	26-Jul-22 A	12-Aug-22	Develop Concrete and Steel GMP																																
A7130	Concrete, Steel, Elevators, & Waterproofing GMP Approval	5	5	09-Aug-22	15-Aug-22	Concrete, Steel, Elevators, & Waterproofing GMP Approval																																
A1810	90% CD Estimate / Reconciliation / VE	26	26	23-Aug-22	28-Sep-22	90% CD Estimate / Reconciliation / VE																																
A2210	100% CD Documents	52	52	23-Aug-22	04-Nov-22	100% CD Documents																																
GMP																																						
A8300	Bid Trade Contractors & Subcontractors	18	18	07-Nov-22	02-Dec-22	Bid Trade Contractors & Subcontractors																																
A2250	GMP Estimate	19	19	05-Dec-22	30-Dec-22	GMP Estimate																																
A2260	Approve GMP Estimate	5	5	03-Jan-23	09-Jan-23	Approve GMP Estimate																																
Permitting																																						
A1820	Special Permitting	65	0	04-Apr-22 A	06-Jul-22 A	Special Permitting																																
A8210	Foundation & Steel Permit	30	30	30-Aug-22	12-Oct-22	Foundation & Steel Permit																																
A1760	Building Permit	30	30	07-Nov-22	20-Dec-22	Building Permit																																
Prequalification																																						
A2110	Prequalification Bid Package 1	28	0	14-Mar-22 A	22-Apr-22 A	Prequalification Bid Package 1																																
A2390	Prequalification Bid Package 2	30	0	13-May-22 A	17-Jun-22 A	Prequalification Bid Package 2																																
A2780	Prequalification Bid Package 3	40	45	05-Jul-22 A	11-Oct-22	Prequalification Bid Package 3																																
Procurement																																						
Early Release Packages																																						
Phase 1A Early Release																																						
Site Enabling & Preparation																																						
A1400	Award - Early Site Enabling & Preparation	6	0	07-Jun-22 A	21-Jun-22 A	Award - Early Site Enabling & Preparation																																
A1410	Prepare Submittals - Early Site Enabling & Preparation	10	0	21-Jun-22 A	08-Jul-22 A	Prepare Submittals - Early Site Enabling & Preparation																																
A1420	Approve Submittals - Early Site Enabling & Preparation	10	0	27-Jun-22 A	08-Jul-22 A	Approve Submittals - Early Site Enabling & Preparation																																
A1430	Fabricate - Early Site Enabling & Preparation	10	0	11-Jul-22 A	22-Jul-22 A	Fabricate - Early Site Enabling & Preparation																																
A2360	Site Blasting Notification	10	0	18-Jul-22 A	29-Jul-22 A	Site Blasting Notification																																
A1440	Deliver - Early Site Enabling & Preparation	1	0	25-Jul-22 A	25-Jul-22 A	Deliver - Early Site Enabling & Preparation																																
Site Electrical																																						
A6960	Bid & Award - Early Site Electrical	20	0	07-Jun-22 A	24-Jun-22 A	Bid & Award - Early Site Electrical																																
A7000	Deliver - Early Site Electrical	1	0	27-Jun-22 A	27-Jun-22 A	Deliver - Early Site Electrical																																
A8040	Submit & Approve Manhole	15	3	28-Jun-22 A	10-Aug-22	Submit & Approve Manhole																																
A8050	Fabricate & Deliver - Electrical Telecom Manhole	5	5	11-Aug-22	17-Aug-22	Fabricate & Deliver - Electrical Telecom Manhole																																
Phase 2 Early Release																																						
Concrete																																						
A1520	Award - Concrete	5	5	16-Aug-22	22-Aug-22	Award - Concrete																																
A1530	Prepare Submittals - Concrete	10	10	23-Aug-22	06-Sep-22	Prepare Submittals - Concrete																																
A1540	Approve Submittals - Concrete	10	10	07-Sep-22	20-Sep-22	Approve Submittals - Concrete																																
A1550	Fabricate - Concrete	15	15	21-Sep-22	12-Oct-22	Fabricate - Concrete																																
A1720	Deliver - Concrete	1	1	12-Oct-22	12-Oct-22	Deliver - Concrete																																
Waterproofing																																						
A2170	Bid & Award - Waterproofing	20	20	16-Aug-22	13-Sep-22	Bid & Award - Waterproofing																																
A2180	Prepare Submittals - Waterproofing	15	15	14-Sep-22	04-Oct-22	Prepare Submittals - Waterproofing																																
A2190	Approve Submittals - Waterproofing	10	10	05-Oct-22	19-Oct-22	Approve Submittals - Waterproofing																																
A2200	Fabricate - Waterproofing	5	5	20-Oct-22	26-Oct-22	Fabricate - Waterproofing																																
A2230	Deliver - Waterproofing	1	1	26-Oct-22	26-Oct-22	Deliver - Waterproofing																																
Steel																																						
A1560	Bid & Award - Steel	5	5	16-Aug-22	22-Aug-22	Bid & Award - Steel																																

Activity ID	Activity Name	Orig Dur	Rem Dur	Start	Finish	2023												2024												2025								
						A	S	Oct	N	D	J	F	M	Apr	M	J	Jul	A	S	Oct	N	D	Jan	F	M	Apr	M	J	Jul	A	S	Oct	N	D	J	F	M	A
A1570	Prepare Submittals - Steel	30	30	23-Aug-22	04-Oct-22	■ Prepare Submittals - Steel																																
A1580	Approve Submittals - Steel	15	15	05-Oct-22	26-Oct-22	■ Approve Submittals - Steel																																
A2750	Fabricate Steel Joist - Auditorium	50	50	27-Oct-22	10-Jan-23	■ Fabricate Steel Joist - Auditorium																																
A1590	Fabricate - Steel	60	60	27-Oct-22	25-Jan-23	■ Fabricate - Steel																																
A1900	Fabricate - Metal Decking	80	80	27-Oct-22	23-Feb-23	■ Fabricate - Metal Decking																																
A1740	Deliver - Steel	1	1	25-Jan-23	25-Jan-23	Deliver - Steel																																
Steel Joist																																						
A2420	Prepare Submittals - Steel Joist	10	10	23-Aug-22	06-Sep-22	■ Prepare Submittals - Steel Joist																																
A2430	Approve Submittals - Steel Joist	5	5	07-Sep-22	13-Sep-22	■ Approve Submittals - Steel Joist																																
A1910	Fabricate - Steel Joist - Gym	50	50	14-Sep-22	25-Nov-22	■ Fabricate - Steel Joist - Gym																																
Elevator																																						
A2130	Award - Elevator	39	39	16-Aug-22	11-Oct-22	■ Award - Elevator																																
A2140	Prepare Submittals - Elevator	30	30	12-Oct-22	23-Nov-22	■ Prepare Submittals - Elevator																																
A2150	Approve Submittals - Elevator	15	15	25-Nov-22	15-Dec-22	■ Approve Submittals - Elevator																																
A2160	Fabricate - Elevator	70	70	16-Dec-22	29-Mar-23	■ Fabricate - Elevator																																
A2240	Deliver - Elevator	1	1	29-Mar-23	29-Mar-23	Deliver - Elevator																																
A2730	Install Elevator 1	75	75	15-Aug-23	01-Dec-23	■ Install Elevator 1																																
A2740	Install Elevator 2	75	75	04-Dec-23	21-Mar-24	■ Install Elevator 2																																
Balance of Procurement																																						
Site																																						
A7140	Award - Site	5	5	10-Jan-23	17-Jan-23	■ Award - Site																																
A7150	Prepare Submittals - Site	10	10	18-Jan-23	31-Jan-23	■ Prepare Submittals - Site																																
A7160	Approve Submittals - Site	10	10	01-Feb-23	14-Feb-23	■ Approve Submittals - Site																																
A7170	Fabricate - Site	10	10	15-Feb-23	01-Mar-23	■ Fabricate - Site																																
A7180	Deliver - Site	1	1	01-Mar-23	01-Mar-23	Deliver - Site																																
Roofing																																						
A1640	Award - Roofing	5	5	10-Jan-23	17-Jan-23	■ Award - Roofing																																
A1650	Prepare Submittals - Roofing	15	15	18-Jan-23	07-Feb-23	■ Prepare Submittals - Roofing																																
A1660	Approve Submittals - Roofing	10	10	08-Feb-23	22-Feb-23	■ Approve Submittals - Roofing																																
A2650	Fabricate - Roof AVB	60	60	23-Feb-23	18-May-23	■ Fabricate - Roof AVB																																
A1670	Fabricate - TPO Roofing	200	200	23-Feb-23	08-Dec-23	■ Fabricate - TPO Roofing																																
A2760	Fabricate - Dens Glass	200	200	23-Feb-23	08-Dec-23	■ Fabricate - Dens Glass																																
A2770	Fabricate - Poly Iso	200	200	23-Feb-23	08-Dec-23	■ Fabricate - Poly Iso																																
A2660	Deliver - Roof AVB	1	1	19-May-23	19-May-23	Deliver - Roof AVB																																
A1770	Deliver - Roofing	1	1	11-Dec-23	11-Dec-23	Deliver - Roofing																																
Curtainwall																																						
A1840	Award - Curtainwall	30	30	10-Jan-23	22-Feb-23	■ Award - Curtainwall																																
A1850	Prepare Submittals - Curtainwall	50	50	23-Feb-23	04-May-23	■ Prepare Submittals - Curtainwall																																
A1860	Approve Submittals - Curtainwall	20	20	05-May-23	02-Jun-23	■ Approve Submittals - Curtainwall																																
A2370	Fabricate - SF Aluminum Framing	50	50	05-Jun-23	14-Aug-23	■ Fabricate - SF Aluminum Framing																																
A2070	Fabricate - CW Aluminum Framing	65	65	05-Jun-23	05-Sep-23	■ Fabricate - CW Aluminum Framing																																
A1870	Fabricate - Curtainwall	80	80	05-Jun-23	26-Sep-23	■ Fabricate - Curtainwall																																
A2790	Fabricate - Electrified HW	90	90	05-Jun-23	11-Oct-23	■ Fabricate - Electrified HW																																
A2380	Fabricate - Aluminum Doors	110	110	05-Jun-23	08-Nov-23	■ Fabricate - Aluminum Doors																																
A1890	Deliver - Curtainwall	1	1	26-Sep-23	26-Sep-23	Deliver - Curtainwall																																
Exterior Wall Veneer (Brick / Cast Stone)																																						
A5760	Award - Exterior Wall Veneer	30	30	10-Jan-23	22-Feb-23	■ Award - Exterior Wall Veneer																																
A5770	Prepare Submittals - Exterior Wall Veneer	30	30	23-Feb-23	05-Apr-23	■ Prepare Submittals - Exterior Wall Veneer																																
A5780	Approve Submittals - Exterior Wall Veneer	20	20	06-Apr-23	04-May-23	■ Approve Submittals - Exterior Wall Veneer																																
A5790	Fabricate - Exterior Wall Veneer	70	70	05-May-23	14-Aug-23	■ Fabricate - Exterior Wall Veneer																																

**New Stoneham High School
Potential Bid Alternates**

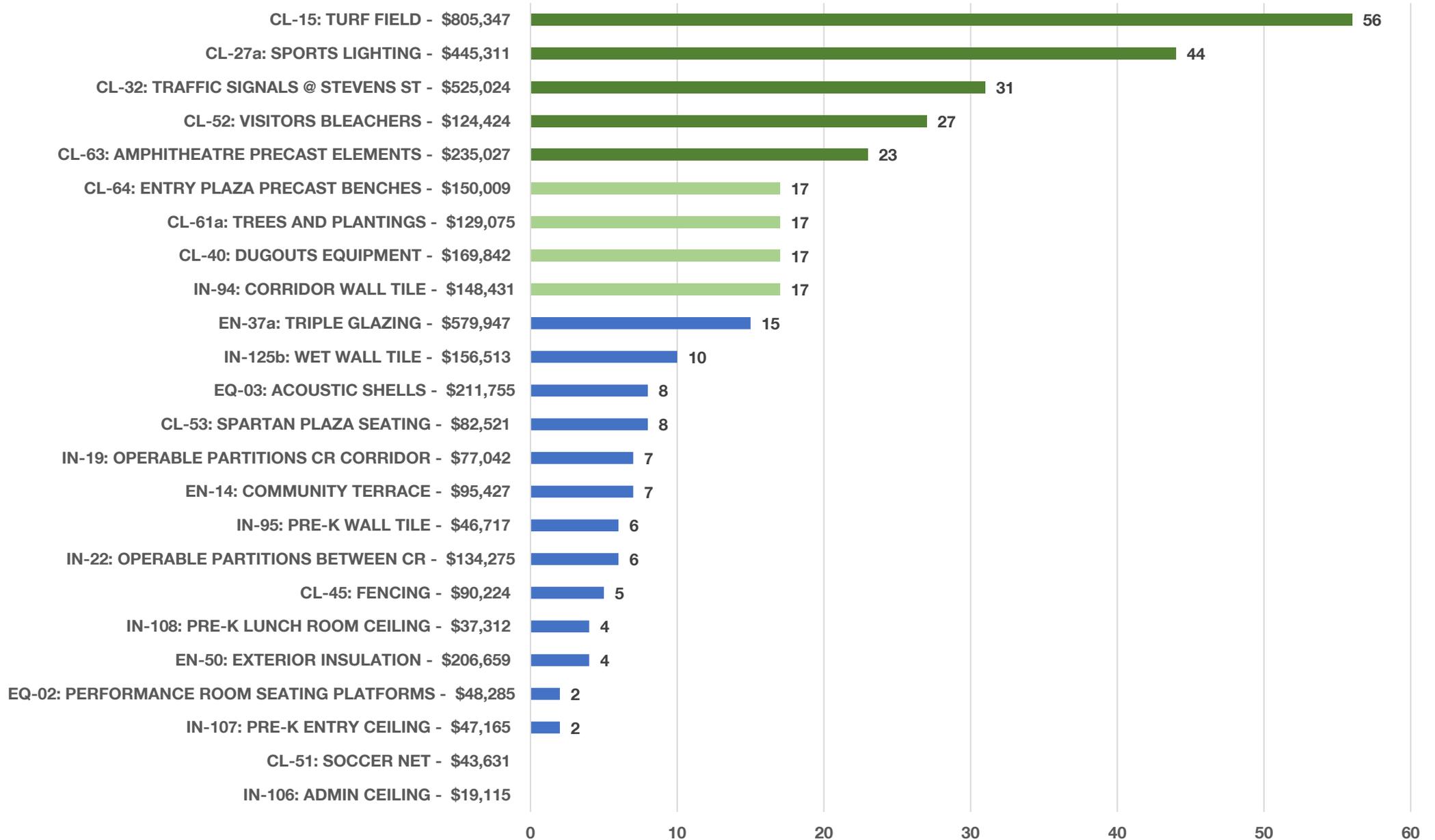
Scope Reduction Bid Alternates

VE Number	Description	Cost	Comments
CL-054c	Eliminate Spartan Stadium Building	\$3,850,905	
CL-054d	Provide shell and bathrooms at Stadium Building	\$943,138	Affects deadline
MD-023	Shell Pre-K Classrooms	\$988,061	Affects deadline
CL-079	Turf Field @ Spartan Stadium Changes to Seeded Grass w/ Irrigation	\$735,659	
CL-014	Turf Field @ South Field Changes to Seeded Grass w/ Irrigation	\$635,219	
CL-027	Eliminate Sports Lighting @ South Field	\$425,614	
CL-80	Eliminate Sports Lighting @ Spartan Stadium	\$425,614	
IN-096	Spartan Place Ceiling - Change from Wood Slats to Large Format ACT Panels	\$323,428	Affects deadline; Not recommended by PW
IN-125	Remove Wet Wall Tile at All Bathrooms & Replace w/ Epoxy Paint	\$335,417	
IN-130	Gym Fireproofing changes from Intumescent to Spray Applied	\$142,459	
D-022	Eliminate Lightening Protection	\$139,333	
CL-047	Bleachers - Eliminate from soccer, baseball & softball fields	\$137,896	
CL-071	Courts - Eliminate all Pickleball and 1 Tennis Court	\$122,696	
EQ-008	Auditorium Seating - Replace individual chairs with benches (which are padded and have backs)	\$100,082	
EN-056 & EN-060 – Option A	Replace metal panel finish at exterior soffits, HS Entry canopy & all other documented exterior locations with cement board panels (BOD: Oko Skin)	\$152,026	Consigli to confirm that savings reflect Oko skin or equal
EN-056 & EN-060 – Option B	Replace metal panel finish at exterior soffits and all other exterior locations with cement board panels (BOD: Oko Skin) EXCEPT maintain documented soffit at underside of HS Entry Canopy		Consigli to confirm that savings reflect Oko skin or equal and provide cost. Note that the underside of the HS Entry Canopy will be wood in the 90% CD set
CL-002 & CL-003	Change Parking Lot Curbs from Granite to Cape Cod Berm; Maintain granite at radii	\$105,669	
CL-038d	Eliminate double-sided scoreboard at south soccer & baseball fields	\$106,755	
CL-038a	Eliminate scoreboard at north soccer field	\$53,377	
CL-038b	Eliminate scoreboard at Spartan Stadium	\$53,377	
CL-038c	Eliminate scoreboard at softball field	\$53,377	

Scope Reinstatement Bid Alternates

CL-015 / CL-027a	North Soccer Field Turf and Lights	\$ 1,250,658	
CL-032	Stevens Street Traffic Signal	\$525,024	

New Stoneham High School Potential Additive Bid Alternates Survey



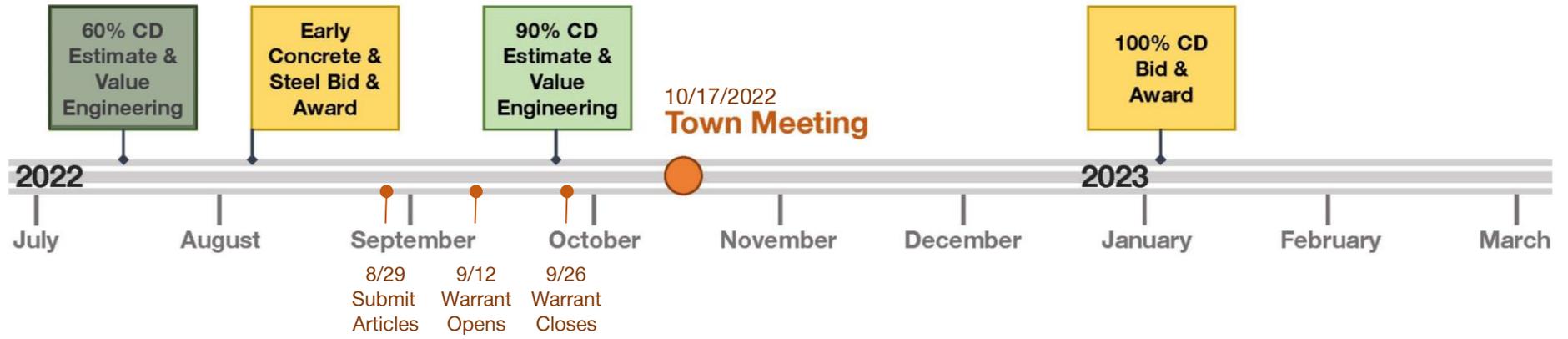
New Stoneham High School

Upcoming Cost Events

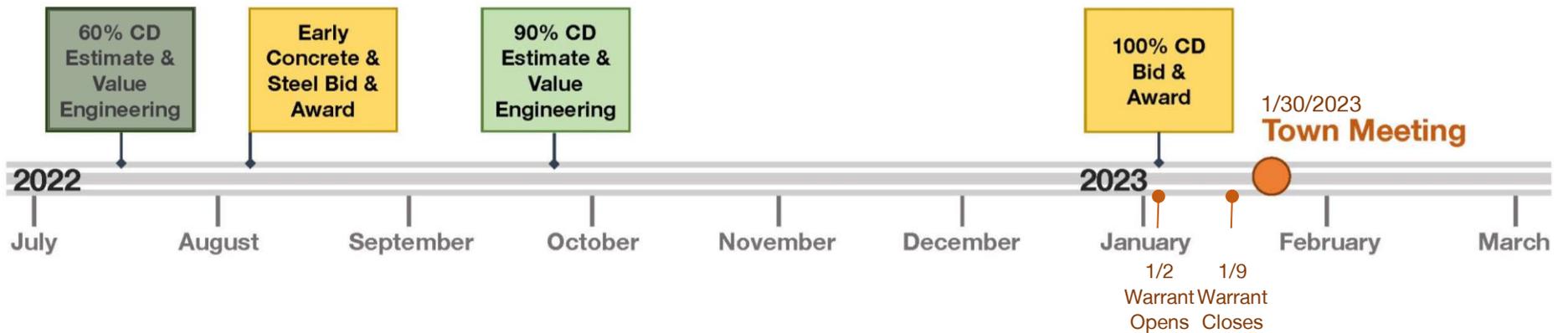
June 28, 2022 Updated August 15, 2022

March 28, 2022	SSBC Vote Final VE
April 8, 2022	Submit Design Development Documents to MSBA
May 9, 2022	Issue Early Site Enabling Bid Documents
May 20, 2022	Bids Due <i>Descoping</i>
June 6, 2022	SSBC Vote to Award
May 27, 2022	Print 60% CD Estimating Documents <i>Value Engineering</i>
July 14, 2022	Submit 60% Construction Documents to MSBA
June 24, 2022	Issue Early Concrete and Steel Bid Documents
July 18, 2022	Bids Due <i>Descoping</i>
August 15, 2022	SSBC Vote to Award
August 22, 2022	Print 90% CD Estimating Documents <i>Value Engineering</i>
September 28, 2022	Submit 90% Construction Documents to MSBA
November 4, 2022	Issue 100% CD Bid Documents
December 2, 2022	Bids Due <i>Descoping</i>
January 9, 2022	SSBC Vote to Award

October 2022 Special Town Meeting



January 2023 Special Town Meeting



October 2022 Special Town Meeting

PROS

CONS

- Contingency Included for Final Bid Amount
- Risk of Final Bid Amount Being Over Contingency
- Voter Uncertainty on Contingency
- Ballot Vote can only be Waived Once by DOR

January 2023 Special Town Meeting

PROS

- Final Bid Amount Included
- Voter Certainty on Amount
- Ballot Vote Waiver by DOR Includes Final Bid Amount
- Longer Timeline to Prepare Voters

CONS

- Value Engineering Potentially Required at 90% Construction Documents



60% Construction Document Reconciled Estimate with VM

Description	Takeoff Quantity	Total Amount	Total Cost/Unit
BP #1 Site Enabling & Geothermal Wells	202,995.00 sf	10,520,247	51.83 /sf
BP #2 Concrete, Steel, Elevators, Below Grade Waterproofing	202,995.00 sf	16,919,882	83.35 /sf
BP #3 Pre-Purchase Material	202,995.00 sf	4,776,372	23.53 /sf
BP #4 GMP	202,995.00 sf	123,822,617	609.98 /sf

Massachusetts School Building Authority

Deborah B. Goldberg
Chairman, State Treasurer

James A. MacDonald
Chief Executive Officer

John K. McCarthy
Executive Director / Deputy CEO

August 9, 2022

Mr. Dennis Sheehan, Town Administrator
Stoneham Town Hall
35 Central Street, Second Floor
Stoneham, MA 02180

Re: Town of Stoneham, Stoneham High School

Dear Mr. Sheehan:

The Massachusetts School Building Authority (the “MSBA”) is forwarding review comments of the 60% Construction Documents submission for the Stoneham High School Project in the Town of Stoneham, received by the MSBA on July 14, 2022.

Responses to the attached comments shall be forwarded to Jennifer Flynn (Jennifer.Flynn@MassSchoolBuildings.org) through the Owner’s Project Manager. Please review and return responses within 14 days of receipt of this letter.

If you have any questions or comments, please do not hesitate to contact Ashley Smith (Ashley.Smith@MassSchoolBuildings.org).

Sincerely,



Karl Brown, AIA
Design Director

Attachment: 60% Construction Documents Review Comments

Cc: Legislative Delegation
George S. Seibold, Chair, Stoneham Select Board
David Maurer, Chair, Stoneham School Committee
John Macero, Superintendent, Stoneham Public Schools
Joel G. Seeley, Owner’s Project Manager, Symmes Maini & McKee Associates, Inc.
Robert Brown, Designer, Perkins+Will
Brooke Trivas, Designer, Perkins+Will
File: 10.2 Letters (Region 3)

APPENDIX 6B
MODULE 6 – 60% CONSTRUCTION DOCUMENTS REVIEW COMMENTS

District: *Town of Stoneham*
School: *Stoneham High School*
Owner’s Project Manager: *SMMA*
Designer Firm: *Perkins + Will*
Submittal Received Date: *July 15, 2022*
Review Date: *July 18 – August 9, 2022*
Reviewed by: *Gienapp Architects, K. Brown, R. Hudson, A. Smith*

MSBA REVIEW COMMENTS

The following comments¹ on the 60% construction documents submittal are issued pursuant to a project submittal review document for the proposed project and presented as a 60% construction documents submission in accordance with the MSBA Module 6 Guidelines.

The items listed below are to be included in each project submittal by the design team (OPM and Designer) to the extent that each item applies to the project, or the design team should include an explanation why an item doesn’t apply. The project submittal may be rejected by MSBA if all items below are not fully addressed by the project team. Unless specifically stated otherwise in the review comments below, the OPM and Designer deliverables are included in the submission with no further comment from MSBA required.

6B.1 Summary Comments

		Comments
•	Basic Project Information	
	○ Enrollment (describe grade configuration, design enrollment and number of PK students if applicable)	<i>695 students grade 9-12, 128 Pre-K</i>
	○ GSF area (describe approved GSF in the Project Funding Agreement and as currently proposed)	<i>202,995 GSF (current); 207,077 GSF (PFA)</i>
	○ Project Type (all new, add/reno, reno)	<i>New construction</i>
	○ Delivery method (DBB, CMR). If CMR, describe contract status	<i>CMR, Consigli</i>
	○ For projects with Chapter 74 CVTE programs, OPM and Designer review and acknowledge requirements described here (Chapter 74 Meeting with MSBA and DESE following the 60% CD submission).	<i>It does not appear that this is applicable. Please confirm with the response to these comments.</i>

- Project Budget Compliance:
 - *The Project Funding Agreement ("PFA") has total project budget of \$189,593,594. The submittal notes that the current total project budget is \$191,793,594, and exceeds the PFA budget by \$2,200,000.*

¹ The written comments provided by the MSBA are solely for purposes of determining whether the submittal documents, analysis process, proposed planning concept and any other design documents submitted for MSBA review appear consistent with the MSBA’s guidelines and requirements, and are not for the purpose of determining whether the proposed design and its process may meet any legal requirements imposed by federal, state or local law, including, but not limited to, zoning ordinances and by-laws, environmental regulations, building codes, sanitary codes, safety codes and public procurement laws or for the purpose of determining whether the proposed design and process meet any applicable professional standard of care or any other standard of care. Project Designers are obligated to implement detailed planning and technical review procedures to effect coordination of design criteria, buildability, and technical adequacy of project concepts. Each city, town and regional school district shall be solely responsible for ensuring that its project development concepts comply with all applicable provisions of federal, state, and local law. The MSBA recommends that each city, town and regional school district have its legal counsel review its development process and subsequent bid documents to ensure that it is in compliance with all provisions of federal, state and local law, prior to bidding. The MSBA shall not be responsible for any legal fees or costs of any kind that may be incurred by a city, town or regional school district in relation to MSBA requirements or the preparation and review of the project’s planning process or plans and specifications.

- *The submission notes the following: that the Stoneham Select Board voted to allocate \$2,200,000 of the American Rescue Plan Act funds to allay the cost by which the current budget exceed the PFA Total Project Budget. The new budget is \$191,793,594. A One-sided Budget Revision Request will be submitted at a later date.*
- o *The PFA has an estimated construction cost of \$153,418,660. The submittal notes that the OPM's current reconciled estimated construction cost is \$156,039,117, and exceeds the PFA budget by \$2,620,457.*
 - *The submission notes the following: that the Stoneham Select Board voted to allocate \$2,200,000 of the American Rescue Plan Act funds to allay the cost by which the current budget exceed the PFA. Additionally, the project team plans to allocate \$450,000 out of the Construction Contingency to cover rising construction costs after the GMP is executed. Therefore, the Construction Budget has been increased to \$156,068,660. Using this number, the ECC of \$156,039,117 is within budget.*
- o *The (OPM/CMR)'s current construction cost estimate is \$156,039,117 by (Consigli). The Designer's current construction cost estimate is \$155,824,321 by (PM&C).*
- o *A total project budget is included; however, it does not use MSBA's total project budget form, which can be found on MSBA's website. Resubmit using MSBA's form in the response to this review, and in all future submissions.*
- **General Comments:**
 - o *The drawings are underdeveloped for a 60% CD submission. It is the OPM's and Designer's responsibility to confirm all documents are sufficiently developed for each submission to the MSBA. Please confirm in response to this review and in all future submissions.*
 - o *In the notes of the drawings, there is mention of a couple of required variances for the project. It is not clear from these notes whether these variances have been obtained. For example, the notes indicate that the District will be going for a variance using a LULA in lieu of an elevator, which is a high cost item. With the responses to these comments, provide an update on the status of these variances and confirmation that they have been reviewed and accepted by local police, fire, and permitting authorities including the building inspector.*

6B.2 OPM Deliverables:

6B.2.1 OPM Submittal Review & Coordination		Comments
•	OPM's written Designer submission review, with recommendations to the Owner for one of the following (choose one):	
	<input checked="" type="checkbox"/> OPM approves the submission <input type="checkbox"/> OPM approves the submission partially; reject remainder <input type="checkbox"/> OPM rejects the submission <input type="checkbox"/> OPM requires additional supporting information	
•	Coordinate design; include written recommendations to the Owner. Address each of the following items individually, and describe how the OPM evaluated each item.	
	o Technical accuracy, coordination, & clarity	
	o Efficiency & cost effectiveness	
	o Operability	
	o Constructability	
	o Phasing	
	o Bid ability	
	o Site access during construction	

<ul style="list-style-type: none"> • Coordinate Commissioning consultant’s review <ul style="list-style-type: none"> ○ Describe the commissioning consultant’s review status. ○ Include a copy of the commissioning consultant’s review & project team’s response to each item. ○ Describe the consideration and incorporation of commissioning consultant’s recommendations into the current submittal. 	
<ul style="list-style-type: none"> • Coordinate the District response to the MSBA comments of previous submittals. <ul style="list-style-type: none"> ○ Include a copy of the previous MSBA review & District response, including any supplemental submittals and reviews. ○ Provide documentation of comments addressed and comments resolution outstanding. 	<p><i>The submission states that a partial DD submission was provided to MSBA focused on financial information, as such, no MSBA comments were issued.</i></p> <p><i>See note above</i></p>

6B.2.2 Project Schedule	Comments
<ul style="list-style-type: none"> • The OPM is responsible to submit a project schedule that conforms to the following requirements, whether the schedule is produced by the OPM or the CMR (if applicable). A schedule that is limited to construction tasks is not acceptable and will be rejected. All schedules should be presented in calendar days. 	
<ul style="list-style-type: none"> • Update project schedule: At a minimum, the schedule update should provide the same level of detail as was included in the Project Funding Agreement Exhibit C, expanded and updated to include milestones for Design Development, Bidding, Construction, and Closeout. The updated schedule should include proposed critical path and construction milestone information. In addition to the construction milestones, the schedule must also include the following information as listed in MSBA Module 7, Schedule Activities: <ul style="list-style-type: none"> ○ Punch list start and end dates ○ Project Registration date with the US Green Building Council (“USGBC”) or Collaboration for High Performance Schools (“CHPS”) ○ Provisional/Design package submittal date to USGBC or CHPS ○ MSBA 50% DCAMM Notification submittal date and MSBA 100% DCAMM Standard Contractor Evaluation Form notification date ○ General Contractor/Construction Manager request for final payment ○ Commissioning Consultant inspection (substantial completion plus approximately 10 months) ○ Final Commissioning report to MSBA submittal date 	

	<ul style="list-style-type: none"> ○ Final Construction package to USGBC/CHPS including the Final Commissioning Report submittal date 	
	<ul style="list-style-type: none"> ○ Anticipated final Green School Program Certification letter from USGBC/CHPS issuance date 	
	<ul style="list-style-type: none"> ○ Commissioning Certificate of Completion submittal date to MSBA 	
	<ul style="list-style-type: none"> ○ Final reimbursement request submittal date to MSBA 	
<ul style="list-style-type: none"> ● 	<p>Include application submission and approval dates in the project schedule for the following approvals, coordinated with the Designer’s submittal information. In addition, provide dates for any other state or federal approval not listed below (the following list is not a comprehensive itemization of required state approvals; other requirements may apply, and some items listed below might not be applicable to this project) Indicate “Non-Applicable” on the project schedule where appropriate.</p>	
	<ul style="list-style-type: none"> ○ DESE - Special Education approval by Department of Elementary and Secondary Education 	
	<ul style="list-style-type: none"> ○ MHC – Project Notification Form and approvals by MA Historical Commission 	
	<ul style="list-style-type: none"> ○ OIG - Construction Manager at Risk approval by the Office of Inspector General 	
	<ul style="list-style-type: none"> ○ Executive Office of Energy and Environmental Affairs/EEA: 	
	<ul style="list-style-type: none"> ▪ MEPA - MA Environmental Policy Act by Energy & Environmental Affairs: 	
	<ul style="list-style-type: none"> • ENF - Environmental Notification Form 	
	<ul style="list-style-type: none"> • EIR - Environmental Impact Report 	
	<ul style="list-style-type: none"> ▪ Article 97 Land Disposition Policy approval by Energy & Environmental Affairs 	
	<ul style="list-style-type: none"> ○ MA DEP - Massachusetts Department of Environmental Protection 	
	<ul style="list-style-type: none"> ○ MA DOT - Massachusetts Department of Transportation 	
	<ul style="list-style-type: none"> ○ MA DPH - Massachusetts Department of Public Health 	
	<ul style="list-style-type: none"> ○ EPA –NPDES National Pollutant Discharge Elimination System Notice of Intent approval by the US Environmental Protection Agency 	
	<ul style="list-style-type: none"> ○ MAAB - Accessibility variances by MA Architectural Access Board 	<p><i>Not included on the project schedule. Indicated approved elsewhere in the submission. For future submissions, please include this information on the schedule, including variance approval of chair lift in place of elevator</i></p>

<ul style="list-style-type: none"> Indicate all required state reviews or permits on the milestone schedule including actual or planned approval dates which are required in order to maintain the planned bidding and construction schedule and milestones indicated therein. For required state reviews or permit approvals which have not been obtained on schedule, provide a separate (sub network) schedule depicting recovery actions to obtain required approvals in order to maintain the bidding and construction schedule. 	
<ul style="list-style-type: none"> A letter on District letterhead confirming that the Project has undergone review and obtained all necessary state reviews and approvals by any departments or Commonwealth agencies required by law to review the Project, including but not limited to the approvals listed above. Attach such documentation letter evidencing such state reviews and approvals: 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> Identify any state reviews or permits for which approval has not been obtained as of the 60% Construction Documents submission date, and include in the District letter a status update including actions taken to date and actions planned to obtain the required approval(s) in order to comply with Project Funding Agreement (the "PFA") Section 4.12. and maintain the projected schedule milestones listed in OPM Deliverables. 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> PFA Section 4.12, executed between the District and the MSBA, requires that each project successfully undergo review and obtain all necessary approvals "prior to the solicitation of construction bids, by any departments or agencies of the Commonwealth required by law to review such projects..." In response to these 60% CD submission review comments, MSBA requires documentation that the District complies with this PFA requirement. 	
<ul style="list-style-type: none"> The schedule is to be updated and submitted to MSBA as often as is required to reflect any changes, including any changes to milestone dates, but must be submitted with each design submittal (DD, 60% CD, 90% CD). 	
<ul style="list-style-type: none"> Indicate the date for the 60% Construction Documents and proposed 90% Construction Documents submission dates. The schedule is to incorporate 21 calendar day required duration for each MSBA submission review, and a minimum 14 calendar days for project team incorporation of MSBA review comments as well as all others into the project documents prior to the next submission due date or finalizing project documents to make available to bidders. 35 calendar days between each MSBA design submission (DD, 60%, 90%) is the minimum acceptable duration; if the project team believes 	<p><i>The submission only provides 8 days for the project team's incorporation of MSBA comments at the 60% CD level. However, it appears there is sufficient time to meet this requirement built into the schedule. Revise those dates for the line item in order to satisfy this requirement for a minimum of 14 days to incorporate MSBA and other review comments.</i></p>

<p>additional time is required for any or all the submissions the durations for these activities are to be increased accordingly.</p>	
---	--

6B.2.3 Project Scope and Budget	Comments
<ul style="list-style-type: none"> • Develop project scope and budget, cost estimates and reconciliation: <ul style="list-style-type: none"> ○ OPM construction cost estimate using CSI MasterFormat 6-digit format to Level 3 and MGL c.149 s 44F (filed sub-bid) format showing unit rates and quantities; with escalation projected to the mid-point of construction. ○ OPM reconciliation of the OPM/CMR and Designer construction cost estimates including a description of the method to derive this reconciliation. Refer to this link for an example of the Cost Estimate Reconciliation Form. ○ Updated Cost Estimate Comparison Form. Refer to this link for an example of the Cost Estimate Comparison Form. 	
<ul style="list-style-type: none"> • CMR (if applicable) <ul style="list-style-type: none"> ○ If the Owner has not yet contracted with a Construction Manager (CM), the OPM must develop a construction cost estimate as described above for comparison with the Designer’s cost estimate. ○ If the Owner has given the CM a Notice to Proceed, the OPM must review cost estimates provided by the Designer and CM and provide a Designer’s and CM’s construction cost estimates reconciliation as described above. 	
<ul style="list-style-type: none"> • Updated project budget in the total project budget format, based on the reconciled construction cost estimate. If the reconciled estimate is not used for the updated project budget, provide an explanation. 	<p><i>A total project budget is included; however, it does not use MSBA’s total project budget form, which can be found on MSBA’s website. Resubmit using MSBA’s form in the response to this review, and in all future submissions.</i></p>
<ul style="list-style-type: none"> • Describe any early-bid packages anticipated scope and schedule. Include any early-bid packages in the submittal (if applicable) to show a complete project. Provide bid tables for any completed sub-bid packages. 	
<ul style="list-style-type: none"> • Value Engineering recommendations (if any) <ul style="list-style-type: none"> ○ Provide the list of potential and accepted Value Engineering recommendations, and associated costs of each item. 	<p><i>As requested by the project team, the value engineering recommendations have not been incorporated into the documents. For example, the binder indicates that one of the value engineering recommendations is to eliminate operable partitions in the remaining classrooms. However, there are several locations where operable partitions in classrooms are shown (i.e. detail 9 on sheet</i></p>

	<i>A44-01). Please include value engineering recommendations in all documents for future submissions.</i>
<ul style="list-style-type: none"> ○ For any Value Engineering recommendations which have been accepted, provide a copy of the Committee vote. 	

6B.3 Designer Deliverables:

6B.3.1 General Requirements	Comments
<ul style="list-style-type: none"> ● Submit an updated work plan. 	
<ul style="list-style-type: none"> ● Updated and expanded Basis of Design narrative description for each following discipline: <ul style="list-style-type: none"> ○ Architecture ○ Structural: narrative must include lateral bracing methods and how earthquake code requirements will be met ○ Civil ○ MEP + FP ○ Data/Comms. /Security 	
<ul style="list-style-type: none"> ● Updated building code analysis 	
<ul style="list-style-type: none"> ● Provide an updated list of proprietary items under consideration. 	
<ul style="list-style-type: none"> ● Updated interior color theory statement describing proposed paint and material selections and colors for typical and special spaces, why they have been selected and how these selections relate to exterior materials and colors. Confirm that color and material selections have been presented to and approved by the District. 	<i>An interior color theory statement is included. However, it does not confirm if color and material selections have been presented to or approved by the District. Please include this in the next submission.</i>
<ul style="list-style-type: none"> ● Updated structural calculations and required floor loads 	
<ul style="list-style-type: none"> ● Evidence that an independent structural design review is initiated or being arranged (an MSBA requirement for all projects with new construction over 10,000 sf). MSBA requires a structural engineering peer review submission as part of the Final (100%) Construction Documents submission, to include documentation of any issues identified by the Peer Reviewer and resolution. Actions are to be advanced well prior to the 90% CD submission to engage the peer reviewer, and that scheduling be arranged to allow final structural design drawings and calculations to be submitted to the peer reviewer at the completion of the 90% Construction Documents submittal, or earlier as may be required for early (structural) bid packages, in order to incorporate comments and response action reporting in the final construction documents and avoid delays. Confirm this process has been initiated. 	

• Updated energy model calculations	
• Updated Life Cycle cost analysis for energy and water consuming devices	
• Updated heat gain and loss calculations for Heating, Ventilating and Air Conditioning systems	
• Updated calculations showing total electrical load	
• Updated security and visual access requirements:	
○ Confirmation that the persons responsible for the District’s emergency procedures implementation, and responding emergency medical, fire protection, and police agency representatives have been consulted in the planning process and any associated requirements have been included in the project.	<i>The submission does not confirm if emergency medical personnel were consulted. Please address this in the next submission.</i>
○ Identify other security related items particular to the District and/or the proposed project.	
○ Verification that the following safety and security related issues have been reviewed and are in accordance with the District’s procedures as noted above:	
▪ Main entrance design – describe District protocol for visitor entry and check-in related to the current design for visitors to remain in the vestibule versus a side sub-vestibule.	
▪ Classroom lockset hardware - confirm hardware functions are compatible with the District’s protocols related to lockdown.	
▪ Classroom / Instructional spaces visibility - confirm that the inclusion of sidelights at entrance locations is compatible with the District’s current standards related to visibility from corridors and whether any related vision control option measures are to be incorporated.	
▪ Alternative entry/exit locations - confirm project includes site and building signage, as may be required by District’s emergency procedures, to identify locations where first responders may more directly reach a person needing medical attention; Knox Boxes; Fire Alarm Control Panels, and provisions for building plans to be delivered to local fire and response agencies.	
• Facility and Maintenance requirements:	
○ Confirmation that the district personnel responsible for maintenance have been consulted in the planning process and any associated requirements have been considered for this project. Describe maintenance related items particular to the District and/or the proposed project.	
○ Confirmation that the district personnel responsible for budgeting and maintenance have participated in	

	discussions regarding the selection and long-term operational and maintenance costs of the mechanical systems and building maintenance system controls.	
	o Confirmation that the district personnel responsible for the maintenance have participated in discussions regarding the proposed training program and that these discussions have determined that the hours and the schedule for training included in the contract are sufficient to train the facility operational and maintenance personnel to operate the building management system, as designed. Confirmation that adequate hours have been scheduled both before the opening of the school and after the turnover of the building.	
	o Verification that at a minimum the following issues have been reviewed:	
	▪ Training hours and scheduling	
	▪ HVAC systems	
	▪ Building Management Systems	
	▪ Lighting fixtures and controls	
	▪ Cleaning procedures and materials	
	▪ Roof access	
	▪ Mechanical room access	
	• Updated Quality Control narratives, supporting plans and documents demonstrating:	
	o Ceiling clearances	
	o Mechanical room and shaft sizes	
	o Coordinate specifications and drawings	
	o Filed sub-bid work	
	o Scheduling	
	o Equipment and power	
	o Existing and new construction	
	o Phasing	

6B.3.2 Space Summary	Comments

Spaces	PFA Space Summary	DD Space Summary	60% CD Space Summary	90% CD Space Summary	Difference to PFA	Comments
Core Academic Spaces	38,790	38,790	39,612		822	This category has increased by 822 nsf since PFA
Special Education	7,700	7,700	7,700		-	
Art and Music	5,450	5,450	5,450		-	
Vocations & Technology	11,120	11,120	11,120		-	
Health and Physical Education	28,100	28,100	28,100		-	
Media Center	4,644	4,644	4,644		-	
Auditorium/ Drama	9,850	10,213	10,206		356	This category has increased by 356 nsf since PFA
Dining and Food Service	7,103	7,149	7,149		46	This category has increased by 46 nsf since PFA
Medical	770	770	770		-	
Administration and Guidance	5,902	6,462	6,554		652	This category has increased by 652 nsf since PFA
Custodial and Maintenance	2,647	2,128	2,128		(519)	This category has decreased by 519 nsf since PFA
Other	16,475	12,125	11,895		(4,580)	This category has decreased by 4,580 nsf since PFA
Total Building Net	138,551	134,651	135,328	-	(3,223)	This category has decreased by 3,221 nsf since PFA
Non Programmed						
Other Occupied Rooms	120	120	120		-	
Unoccupied MEP/FP	3,956	3,956	3,909		(47)	This category has decreased by 47 nsf since PFA
Unoccupied Closets, Supply Rooms & Storage	355	355	410		55	This category has increased by 55 nsf since PFA

	Toilet Rooms	4,120	4,120	3,859		(261)	This category has decreased by 261 nsf since PFA
	Circulation	40,834	40,834	43,463		2,629	This category has increased by 2,629 nsf since PFA
	Remaining	19,141	17,441	15,906		(3,235)	This category has decreased by 3,235 nsf since PFA
	Total Gross	207,077	201,977	202,995		(4,082)	This category has decreased by 4,082 nsf since PFA
	Grossing Factor	1.49	1.50	1.50		0	
•	Updated space summary and signed certification that reflects the current design						
•	Comparison of the current design with the final educational program, and confirmation that there are no variations. If there are variations, the written summary must address the following:						
	○ Explain deviations within the space summary from the Project Funding Agreement. The MSBA will either:	<i>The MSBA will continue to monitor areas in excess of the agreed upon GSF at PFA and may consider deviations over guidelines as Ineligible at PFA Bid Amendment.</i>					
	▪ MSBA accepts this variation to the approved project with no further action required.						
	▪ Prior to MSBA accepting this variation to the project, the Designer must describe in detail the reason for the change.						
	○ The MSBA considers that deviations include size changes of a specific space, the total program area nsf (e.g. general classrooms, voc tech, dining etc.), space location, surrounding space adjacencies and/or the intended room purpose.						
	▪ The submittal must clearly call out deviations to location and surrounding adjacencies using redlines or "clouding."						
	▪ The explanation should clearly identify the basis of the change identifying both architectural and/or programmatic reasons.						
	▪ If the basis of the change is programmatic, the submittal should include a red-lined version of the educational plan included in the Project Funding Agreement.						
•	Regarding DESE approved SPED Spaces:						
	○ Include a copy of the most recent letter from DESE approving the current proposed SPED spaces.						
	○ Confirm that the DESE approved SPED spaces have not deviated, using the definition above; or,	<i>The submission reflects an adjacency change of the SPED transition room and the SPED Director room from</i>					

	<ul style="list-style-type: none"> ▪ If the District wishes to submit a change to its DESE approved submittal, it must a) confirm that all changes to SPED spaces are final; b) provide a new SPED submittal in the original submittal format (described in Module 4 Schematic Design Section 4.1.1 and Mod 4 Appendix 4B) noting any changes with clouded floor plans and red-lined narratives and tables; and c) indicate how the project schedule can accommodate a potential DESE resubmittal and approval. Please provide a separate package for changes to DESE approved SPED spaces. ▪ If the District chooses not to change from the DESE approved submittal it should explain when and how the spaces will be returned to the approved size, configuration and location. 	<p><i>the Schematic Design drawings. Please confirm and provide a DESE resubmittal with the responses to these comments. Please include in the DESE resubmittal a) confirm that all changes to SPED spaces are final; b) provide a new SPED submittal in the original submittal format (described in Module 4 Schematic Design Section 4.1.1 and Mod 4 Appendix 4B) noting any changes with clouded floor plans and red-lined narratives and tables; and c) indicate how the project schedule can accommodate a potential DESE resubmittal and approval. Please provide a separate package for changes to DESE approved SPED spaces.</i></p>
<ul style="list-style-type: none"> • Regarding DESE Approved Public Day Education Spaces: 	<ul style="list-style-type: none"> ○ Indicate "Not Applicable" if the project does not include DESE approved Public Day Education spaces ○ If applicable, confirm that the DESE approved Public Day Education spaces have not deviated, using the definition above; or, <ul style="list-style-type: none"> ▪ If the District wishes to submit a change to its DESE approved submittal, it must a) confirm that all changes to Public Day Education spaces are final; b) provide a new submittal in the original submittal format, noting any changes with clouded floor plans and red-lined narratives and tables; and c) indicate how the project schedule can accommodate a potential DESE resubmittal and approval. Please provide a separate package for changes to Public Day Education Spaces. ▪ If the District chooses not to change from the DESE approved submittal it should confirm that the spaces are the same or explain when and how the spaces will be returned to the approved size, configuration and location. 	
<ul style="list-style-type: none"> • Regarding DESE approved Chapter 74 Program Spaces: 	<ul style="list-style-type: none"> ○ Indicate "Not Applicable" if the project does not include DESE approved Chapter 74 Spaces. ○ If applicable, confirm that the proposed Chapter 74 spaces conform to the current DESE Chapter 74 manual for Vocational Technical Education Programs. ○ Include a copy of the most recent letter from DESE approving the current proposed Chapter 74 Program spaces. 	

<ul style="list-style-type: none"> ○ Confirm that a Chapter 74 Meeting has been scheduled with the MSBA and DESE following submittal of the 60% construction documents. 	
<ul style="list-style-type: none"> ○ If applicable, confirm that the DESE approved Chapter 74 Program spaces have not deviated, using the definition above, or; <ul style="list-style-type: none"> ▪ If the District wishes to submit a change to its DESE approved submittal, it must a) confirm that all changes to Chapter 74 Program spaces are final; b) provide a new submittal utilizing the original submittal format, noting any changes with clouded floor plans and red-lined narratives and tables; and c) indicate how the project schedule can accommodate a potential DESE resubmittal and approval. Please provide a separate package for changes to the Chapter 74 Programming. ▪ If the District chooses not to change from the DESE approved submittal it should explain when and how the spaces will be returned to the approved size, configuration and location. 	

6B.3.3 Project Approvals	Comments
<ul style="list-style-type: none"> • Describe the status of the following approvals. In addition, provide the status of any other state or federal approval not listed below (the following list is not a comprehensive itemization of required state approvals; other requirements may apply, and some items listed below may not be applicable to this project). Provide a copy of the appropriate application forms and/or approval letters where applicable. Indicate "Not Applicable" where appropriate and describe why each item is not applicable. For each agency approval required for this project, indicate the date when approval was received. All required approvals should have an associated approval date indicated as part of the 90% CD submission and prior to advertising for bids. Confirm that the required approvals are coordinated with the OPM's project schedule. 	
<ul style="list-style-type: none"> ○ DESE - Special Education approval by Department of Elementary and Secondary Education 	
<ul style="list-style-type: none"> ○ MHC – Project Notification Form and approvals by MA Historical Commission 	
<ul style="list-style-type: none"> ○ OIG - Construction Manager at Risk approval by the Office of Inspector General 	
<ul style="list-style-type: none"> ○ Executive Office of Energy and Environmental Affairs / EEA: 	

<ul style="list-style-type: none"> ▪ MEPA - MA Environmental Policy Act by Energy & Environmental Affairs: <ul style="list-style-type: none"> • ENF - Environmental Notification Form • EIR - Environmental Impact Report ▪ Article 97 Land Disposition Policy approval by Energy & Environmental Affairs 	
○ MA DEP - Massachusetts Department of Environmental Protection	
○ MA DOT - Massachusetts Department of Transportation	
○ MA DPH - Massachusetts Department of Public Health	
○ EPA –NPDES National Pollutant Discharge Elimination System Notice of Intent approval by the US Environmental Protection Agency (or indicate as “by GC/CMR”)	
○ MAAB - Accessibility variances by MA Architectural Access Board	
<ul style="list-style-type: none"> • Confirmation that the Project has undergone review and obtained all necessary approvals by any departments or Commonwealth agencies required by law to review the Project, including but not limited to the approvals listed above. Attach such documentation letters evidencing such reviews and approvals. In accordance with the Project Funding Agreement (the “PFA”) Section 4.12, the District must obtain such reviews or approvals prior to the construction bids solicitation. 	
<ul style="list-style-type: none"> • For any required state reviews or permits for which approval has not been obtained as of the 60% Construction Documents submission date, provide a status update including actions taken to date and actions planned to obtain the required state reviews and permit approval(s) in order to comply with PFA Section 4.12 and maintain the projected schedule milestones listed in OPM Deliverables. 	
<ul style="list-style-type: none"> • List all target dates for all local zoning approvals, testing and permits. 	
<ul style="list-style-type: none"> • Provide a certification that all applicable utility officials have been contacted by the Designer regarding each basic utility connection. 	

6B.3.4 Cost Estimate	Comments
<ul style="list-style-type: none"> • Provide a Designer’s construction cost estimate based on the 60% Construction Documents, including cost estimates for general conditions, overhead and profit, insurance, bonds, and all other items; allowances expressed as percentage rates for construction 	

	contingencies, and other mutually agreed upon contingencies. Prepare the construction cost estimate using CSI MasterFormat 6-digit format to Level 3 and MGL c.149 s 44F (filed sub-bid) format showing unit rates and quantities; with escalation projected to the mid-point of construction.	
•	The estimate date should be no earlier than the 60% Construction Documents date.	
•	Provide summary sheets including the following:	
	○ Date that the estimate was prepared (value date)	
	○ Anticipated bid date	<i>Not included. Please provide this in the next submission.</i>
	○ Project and contract number	<i>Not included. Please provide this in the next submission.</i>
	○ Project title and location	
	○ Designer name	
	○ Estimator name	
	○ Site cost (including all utilities)	
	○ Building cost (including fixed equipment)	
	○ Estimated construction cost of each work phase, totaled	<i>Not included. Please provide this in the next submission.</i>
	○ Items 1 and 2 work costs, as distinguished in the General Contractor’s bid forms, individually totaled	<i>Not included. Please provide this in the next submission.</i>

6B.3.5 Drawings (developed to 60% CD progress level)		Comments
•	Half-size drawings only. Confirm that text, symbols, shading and all drawings content are legible.	<i>Due to the current COVID-19 situation, hard copies were not provided. MSBA may request hard copies at a later time for record.</i>
•	If applicable, include early bid package contract documents in the submittal to show a complete project.	<i>A separate package for the second early bid package is not included in the submission. It is not clear if the second early bid package is made up of select sheets from the overall drawing set. Please clarify with the response to these comments. If separate, please provide a copy to the MSBA in the response to this review.</i>
•	Cover sheet showing a drawings list and a locations map (the project title should be visible when the drawings are rolled)	
•	Sheet(s) containing all symbols, abbreviations and notes applicable to each discipline	
•	Site and Utility drawings should show the following:	
	○ Proposed work layout and location with details	
	○ Existing and proposed contours	
	○ Building locations fixed and referenced from main survey baseline	<i>The building location does not appear to be referenced to survey baseline. Suggest including this for clarity for next submission or clarify if is part of the early bid package.</i>

<ul style="list-style-type: none"> ○ Floor elevations at each entrance/exit and key exterior grades at perimeter showing drainage away from the building 	
<ul style="list-style-type: none"> ○ Site Benchmarks 	<p><i>There is no stand-alone survey in the set. When the survey is used as a background, there is other drawing information on top of it making it difficult to read. Consequently, it is difficult to determine if there are benchmarks. Suggest including a stand-alone survey for clarity, please advise as part of the response to these review comments.</i></p>
<ul style="list-style-type: none"> ○ Boring locations 	
<ul style="list-style-type: none"> ○ Retaining walls 	
<ul style="list-style-type: none"> ○ All utility service lines, systems and structures for electricity, gas, oil, water, steam, telephone, CATV, fire alarm, sanitary and storm drainage 	
<ul style="list-style-type: none"> ○ Contract limit line and storage area for construction materials 	
<ul style="list-style-type: none"> ○ Site survey which includes, but is not limited to, all existing foundations, obstructions and other site characteristics 	<p><i>There appears to be no stand-alone site survey plan included in the submission. See comments regarding site benchmarks.</i></p>
<ul style="list-style-type: none"> ● Mobilization and enabling works 	<p><i>It does not appear that mobilization is included in the drawing set, and it does not appear to be in the early bid package. Please clarify if this information is included elsewhere. If not, suggest including it for clarity.</i></p>
<ul style="list-style-type: none"> ● Architectural drawings showing the following: 	
<ul style="list-style-type: none"> ○ Demolition drawings 	<p><i>Demolition drawing are very general. Consideration should be given for detailed description of existing building and extent of excavation limits required for new construction. This is especially true as the new building is very close to the existing building, which will remain open during construction. This should be reviewed and updated in the next submission or indicated to be part of an early bid package.</i></p>
<ul style="list-style-type: none"> ○ Floor plans of each floor, with dimensions, column locations, floor elevations, door designations, partition types & fire-rated partitions and smoke partitions, built in furniture and equipment, keyed to other architectural drawings and coordinated with exterior grade elevations at all interior to exterior transitions 	<p><i>The documents do not include interior dimension of architectural elements such as partitions. Suggest including this information for clarity.</i></p> <p><i>It appears that the second floor of the gym uses 2-hour rated partitions, but the first floor does not. It is not clear if this is intentional. This should be reviewed and, if needed, revised in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Key plans / overall plans where required 	
<ul style="list-style-type: none"> ○ Large scale plans showing key areas e.g. lobby, special spaces. Indicate floor surface materials (minimum 1/4" = 1'-0" before reduction) 	
<ul style="list-style-type: none"> ○ Roof plans showing the following: 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Proposed systems type 	<p><i>The roof details do not appear to be sufficiently developed for a 60% CD submission. These should be reviewed and updated in the next submission and in preparation for trade bids.</i></p>

<ul style="list-style-type: none"> ▪ Pitch and drainage pattern 	<p><i>Roof drains and tapered patterns are graphically inconsistent throughout the trade drawings, which may lead to confusion. For example, the architectural roof plans compared to sheets P11-04A and P11-04D. Suggest consistent graphic representation and design should be reviewed and coordinated for the next submission and finalization for trade bids.</i></p>
<ul style="list-style-type: none"> ▪ Roof drains, gutters and scuppers 	<p><i>See above.</i></p>
<ul style="list-style-type: none"> ▪ Skylights, penthouses, major equipment, chimneys 	
<ul style="list-style-type: none"> ▪ Roof access and ladders 	
<ul style="list-style-type: none"> ▪ Walk pads 	
<ul style="list-style-type: none"> ▪ Rooftop Solar Readiness area, PV support and interconnection pathways 	
<ul style="list-style-type: none"> ○ Building Sections updated and coordinated with plans and elevations 	
<ul style="list-style-type: none"> ○ Building elevations showing the following: <ul style="list-style-type: none"> ▪ Full height elevations including roof structures, e.g., mechanical equipment, chimneys, and penthouses 	<p><i>While exterior elevations of the stadium building are included in the submission, they do not include dimensions or notes. These should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ▪ Floor elevations, floor-to-floor height, and overall height related to benchmarks on site plans 	
<ul style="list-style-type: none"> ▪ Windows, storefront, and curtain wall systems 	
<ul style="list-style-type: none"> ▪ All columns located on a centerline and coordinated with the structural drawings 	
<ul style="list-style-type: none"> ▪ Materials indicating major control and expansion joints, and divisions of materials where required 	
<ul style="list-style-type: none"> ▪ Exterior grades and topographical features in context 	
<ul style="list-style-type: none"> ○ Wall sections indicating dimensions, flashing, anchorage, reinforcing, masonry coursing, cladding, and all other conditions at wall, roof, foundation, interior floors; coordinated with exterior grade elevations 	<p><i>The wall sections do not appear to be sufficiently developed for a 60% CD submission. Additionally, only a limited number of wall sections are included, which do not appear to show all the various building conditions. These should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Details demonstrating continuous thermal insulation and thermal breaks between conditioned interior spaces and unconditioned exterior spaces (parking garages, loading zones and other open areas) 	<p><i>Thermal isolation and insulation are consistent as shown, but many details lack sufficient information to confirm this. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Exterior details, for roofing, flashing and other details showing all major conditions 	<p><i>See above.</i></p>
<ul style="list-style-type: none"> ○ Door, window, entrance, curtain wall and storefront, schedules, and details 	<p><i>The door and window details do not appear to be sufficiently developed for a 60% CD submission. These should be reviewed and updated in the next submission and in preparation for bidding.</i></p>

<ul style="list-style-type: none"> ○ Vertical circulation plans, sections and details including ramps, stairs, lifts and elevators 	<p><i>The summation indicates that the variances required for the use of a LULA in lieu of an elevator. However, it is not clear if the variance has been approved. With the response to these comments, please clarify.</i></p> <p><i>Some areas appear to show long dead-end corridors; however, not enough dimensions are available to confirm. One example is the corridor outside of Admin Rm A110b corridor. This should be reviewed and, if needed, updated in the next submission. Suggest adding additional dimensions for clarity.</i></p>
<ul style="list-style-type: none"> ○ Guardrails and handrails including details 	<p><i>It is not clear if there are guards or other elements under some stairs for head clearances. For example, Stair E S-E1 on the first floor as see on sheet A10-01. This should be reviewed and, if needed, updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Interior elevations of all significant and typical spaces 	
<ul style="list-style-type: none"> ○ Interior details including casework, paneling surfacing and acoustical treatment 	<p><i>The interior details do not appear to be sufficiently developed for a 60% CD submission. These should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Reflected ceiling plans coordinated with fire protection, mechanical and electrical drawings 	<p><i>Architectural reflected ceiling plans do not show all fire protection, mechanical, or electrical items. These should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Ceiling details 	<p><i>There are very few ceiling details included in this submission. This should be reviewed and, if needed, updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Schedules 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Finishes 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Doors 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Windows 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Equipment schedules; e.g., food service, instructional media 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Partitions 	
<ul style="list-style-type: none"> ● Structural drawings showing the following: 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Structural drawings legend and/or graphical symbols 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Foundation plans with bottom grades showing all footing layouts, walls, slabs on grade including reinforcing, grade beams, and columns; include design soil bearing pressures and live loads for each area 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Structural floor and roof plans including framing, finished floor elevations and depressed slab areas, with locations and dimensions for all openings and depressions, coordinated with the architectural drawings 	<p><i>This submission includes slab edge plans, however, they are not fully dimensioned, so it is difficult to determine whether they are sufficiently coordinated. This should be reviewed and, if needed, updated in the next submission</i></p>
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Floor and roof framing design loads 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Complete foundation wall elevation and typical sections, with reinforcing indicating location, 	

	dimensions and grades for all footings, steps and wall openings	
	o All lintels, beams, joists, and columns are identified (with typical sizes shown) on schedules or on drawings	
	o All Structural supports required for mechanical equipment	<i>On sheet S10-04, there is a note suggesting that "allowances should be considered for items such as support for sculpture slash art commissions, and thermal breaks within steel construction that penetrates the envelope". This appears to be a very general note which may lead to issues with bidding and construction, and preparation of the PFA Bid budget. Suggest showing where these allowances should be provided or otherwise better indicating amount and locations.</i>
	o General notes including the following information: class and 28 day concrete strength for each portion, structural steel and concrete reinforcing design stresses for each structural member type, concrete cover for each structural member type, shrinkage and temperature steel requirements, reinforcing laps for main reinforcing and temperature steel; bend point, cutoff, and hook locations for all members, minimum beam and lintel bearing.	
•	Fire protection drawings showing the following:	
	o Fire protection drawings legend and/or graphical symbols	
	o Standpipe systems, sprinkler systems, suppression systems, fire pump where required, accessories, and piping	<i>There was no indication if Fire Protection manifold system is intended for the roof areas. Please clarify and address in the next submission.</i> <i>The cost estimates included in the binder suggest a fire pump is not included and there are no calculations on the drawings to confirm fire pump requirements. With the response to these comments, please confirm if a fire pump is part of the project.</i>
	o All piping, equipment, fixtures, valves and devices	<i>It does not appear there are sprinklers located under the gym bleachers or under the exterior covered entry areas. This should be reviewed and, if needed, add it in the next submission. Confirm resolution of this with the AHJ as part of the next submission.</i>
	o Design criteria shall be provided on the drawings in accordance with NFPA requirements.	
•	Plumbing drawings showing the following:	<i>Sheet P70-02 is blank. This should be reviewed and updated in the next submission.</i>
	o Plumbing drawings legend and/or graphical symbols	
	o All work done by the Plumbing Subcontractor, which includes all water, gas, air, vacuum, sanitary and storm wastes, and accessories	<i>No exterior hose bibs are shown. This should be reviewed and updated in the next submission.</i>
	o Plumbing fixtures trapping and venting including floor drains	

<ul style="list-style-type: none"> ○ Dimensioned floor drain locations in coordination with the structural plan 	<p><i>It appears that floor drains may be shown on the drawings; however, they are not tagged as floor drains, and they are not dimensioned. This should be reviewed and corrected in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Confirm any hazard or noxious contaminants such as chimneys, plumbing vents or cooling towers are located a minimum 25 feet from outside air intakes or such openings are a minimum two feet below the contaminant source and ten feet horizontally from the nearest edge of the air intake to the nearest edge of the contaminant source (refer to 780 CMR Massachusetts State Building Code in effect at the time of project approval). Consider adding filters to the contaminant source if necessary. 	<p><i>The submission does not indicate clear spaces around air intakes, so it is not clear if proximity to hazard or noxious contaminants is a concern, suggest including more information for clarity. As part of the response to these review comments, confirm best practices have been followed for clear spaces between sanitary vents and air intakes.</i></p>
<ul style="list-style-type: none"> ○ Water and gas supply sources, storm and sanitary discharge mains 	
<ul style="list-style-type: none"> ○ All piping sizes shall be indicated on drawings and riser diagrams, including flow and pitch directions 	<p><i>Piping flow and pitch directions is not shown. Suggest including this information for clarity.</i></p>
<ul style="list-style-type: none"> ○ All accessories, valves, fixtures including all drinking fountains and grease traps for kitchen waste 	
<ul style="list-style-type: none"> ○ Verify eyewash stations are provided in all areas where chemicals are stored or used. 	
<ul style="list-style-type: none"> ○ All piping and connections required for other trades (e.g., kitchen equipment, HVAC make-up water, etc.) 	
<ul style="list-style-type: none"> ○ Acid waste (where required), vents and neutralization systems for laboratories 	
<ul style="list-style-type: none"> ○ Plumbing riser diagrams 	
<ul style="list-style-type: none"> ○ Domestic water booster pumps, boiler feed water, meter locations, hose bibs 	<p><i>No exterior hose bibs are shown. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Domestic hot water: Storage tanks, piping material, hanger details 	
<ul style="list-style-type: none"> ○ Backflow preventers, and cleanouts 	
<ul style="list-style-type: none"> ● Heating, Ventilating and Air Conditioning Drawings showing the following: 	<p><i>The HVAC drawings do not appear to be sufficiently developed for a 60% CD submission. These should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Mechanical drawings legend and/or graphical symbols 	
<ul style="list-style-type: none"> ○ Large scale plans of all mechanical & electrical spaces showing equipment to scale 	
<ul style="list-style-type: none"> ○ All piping and ductwork systems located and sized. All ductwork is shown double line and drawn to scale 	<p><i>Not all piping or ductwork systems have been located or sized. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ All piping and duct systems sized at all reductions and riser diagrams 	<p><i>Not all piping or ductwork systems have been located or sized. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ All flow directions and pitch on piping, and duct systems indicate flow and volumes direction 	<p><i>Flow and pitch on piping and ductwork is not fully indicated. This should be reviewed and updated in the next submission.</i></p>

<ul style="list-style-type: none"> ○ All equipment shall have enough servicing and/or replacement space indicated on drawings 	<p><i>Servicing and replacement space is not shown on the drawings for the equipment. Suggest including this information for clarity.</i></p>
<ul style="list-style-type: none"> ○ All equipment, accessories, valves and dampers identified as to type and size 	<p><i>Not all type and size information are identified for the equipment, accessories, valves, and dampers. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Cooling system pumps, chillers, cooling towers, air handling units, ductwork system and dampers, fan details, temperature control system, air and hydronic balancing equipment, and schedules shall be indicated. 	<p><i>Schedules of equipment are included in the submission; however, much of it looks like generic material, and it is unclear if it has been edited for this project. This should be reviewed, and if needed, updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Confirm outside air intake openings are a minimum 25 feet from any hazard or noxious contaminants such as chimneys, plumbing vents, cooling towers, streets, alleys, parking lots and loading docks. When locating an air intake within 25 feet of a contaminant source is unavoidable, such opening shall be a minimum two feet below the contaminant source and ten feet horizontally from the air intake nearest edge to the contaminant source nearest edge. All intakes shall be six feet above landscaped grade including soil, lawn, shrubs, or any plant life within 1.5 feet horizontally. 	<p><i>The submission does not indicate clear spaces around air intakes, so it is not clear if proximity to hazard or noxious contaminants is a concern, suggest including more information for clarity. Confirm best practices for distances set between sanitary and other vent stacks and all air intakes.</i></p>
<ul style="list-style-type: none"> ○ Cooling tower (where required) shall be indicated on the drawings showing site location, elevations and equipment layout floor plan and typical flow diagram as related to the total HVAC system. 	
<ul style="list-style-type: none"> ○ Fire and smoke dampers 	
<ul style="list-style-type: none"> ○ Mechanical room designs: 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ Vent pipes for safety valves, relief valves, back pressure valves and tanks shall be extended above flat roofs in accordance with all governing authorities. 	<p><i>It is not clear if vent piping is shown in the mechanical room plan. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ In all designs for boiler and refrigeration plants, include a complete floor plan indicating all major mechanical equipment location and service space. 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ In new and/or replacement boiler and refrigeration plants designs, provide a flow diagram detailing steam or hot water distribution systems, return systems, including all existing equipment and their function, as well as any proposed expansions with all necessary instrumentation and controls. 	
<ul style="list-style-type: none"> ● Electrical Drawings showing the following: 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Electrical drawings legend and/or graphical symbols 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ General arrangement: Outline each floor layout 	
<ul style="list-style-type: none"> <ul style="list-style-type: none"> ○ Indicate interface with other systems. Identify any work by general contractor or other trades. 	

<ul style="list-style-type: none"> ○ Interior lighting system: Light fixture schedules, circuiting location and fixture mounting heights, receptacle and switch outlets, lamp sizes and types, conduits, all other accessories and riser diagrams shall be indicated on drawings. Designer shall specify that all electrical lighting fixtures be supported from the building structure, and shall be independent of ducts, pipes, ceilings and their supporting members. Comply with seismic design criteria. 	
<ul style="list-style-type: none"> ○ Power system: Locations, types and control method for all motors, heaters, appliances, controllers, starters, branch circuits, feeder conductors and conduits. Indicate riser diagrams. Show electrical conduit supporting method and details. For larger projects, thermostats and control wiring are normally covered under the HVAC sub-contract, assure coordination. 	
<ul style="list-style-type: none"> ○ Fire Alarm, Data, Communications, CATV/CCTV Systems: device types and locations, outlets and equipment, service connections, wiring diagrams, all other essential details 	
<ul style="list-style-type: none"> ○ Services: location and details, whether overhead or underground, feeder sizes, switchgear and transformer plans and elevations, metering and service switchboard arrangements, wiring and ground fault diagram and bus ducts 	
<ul style="list-style-type: none"> ○ Utility interconnection pathways to Solar Readiness areas 	
<ul style="list-style-type: none"> ○ General stations and sub-stations: Location, size, connection method and generator protection, transformers, exciters, motor generators, switch gear, and associated equipment, current characteristics and equipment capacities. Indicate equipment connections with one line and/or wiring diagrams and schedule all major equipment and instruments items. 	
<ul style="list-style-type: none"> ○ Underground work: manholes sizes and locations, cable types, duct number, sizes and locations, cable support sizes, types and locations, fireproofing, duct line profile, and one-line connection diagrams 	
<ul style="list-style-type: none"> ○ Pole line work: Location, length, treatment and class of poles, guying, cross arms, insulators, circuiting, transformers, protective and switching devices, lightning arresters, special structures, diagrams, current characteristics and grounding 	<p><i>No lightning arrestors indicated. This should be reviewed and updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Exterior lighting: Location, size, and transformer types, luminary, poles, light standards, cables, ducts, and manholes, control equipment details and connection diagrams 	<p><i>Details for the exterior lighting is not included in the submission. This should be reviewed and, if needed, updated in the next submission.</i></p>
<ul style="list-style-type: none"> ○ Emergency system (where provided) details including transfer switch, fuel types 	

<ul style="list-style-type: none"> ○ One-line diagram indicating load KVA, and available short circuit amperes at each transformer, switchboard, distribution panel board, branch circuit panel board, and at major equipment 	
<ul style="list-style-type: none"> ○ Riser diagrams for all systems 	

6B.3.6 Project Manual (developed to 60% CD progress level)	Comments
<ul style="list-style-type: none"> ● If applicable, include early bid package contract documents in the submittal to show a complete project. 	<p><i>A separate package for the second early bid package is not included in the submission. Please provide a copy with a response to these comments.</i></p>
<ul style="list-style-type: none"> ● The technical specifications format in CSI Master format (full-length, current version) with separate sections for each class of work required by M.G.L. c. 149 §44F. 	<p><i>Generally complies. However, some sections are in outline specification form, for example, Sections 133416 "Grandstands", 142400 "Hydraulic Elevators", 142600 "Limited Use Limited Application Elevators", and 144200 "Wheelchair Lifts". For the next submission, please use CSI full-length section format.</i></p>
<ul style="list-style-type: none"> ● Confirmation that the contract meets the applicable requirements of M.G.L. c. 149, § 44A (2)(g) and contains workforce participation goals for minorities and women. Confirm that the contract includes the processes and procedures to ensure compliance with the workforce participation goals, including reporting and enforcement provisions. 	
<ul style="list-style-type: none"> ● Confirmation that the contract meets the applicable requirements of M.G.L. c 7c, §6 and M.G.L. c. 7, §61(l), and contains Annual Program Goals for Minority Business Enterprise ("MBE") and Women Business Enterprise ("WBE") Participation and includes the processes and procedures to ensure compliance with the Minority and Women Business Goals, including reporting and enforcement provisions. 	
<ul style="list-style-type: none"> ● For each material or equipment item, the specifications shall provide for a minimum three named material or equipment brands and the words "or equal" or a material or equipment description which can be met by a minimum three manufacturers or producers, and the words "or equal." Proprietary products shall not be specified except as provided by M.G.L. c. 30, § 39M; however, when they are specified, proprietary specifications are subject to the "or equal" provisions of c. 30, § 39M. 	<p><i>Generally complies. However, some of the finishes (for example, Section 096816 "Sheet Carpeting", Section 096513 "Resilient Base & Accessories", Section 096543 "Linoleum Flooring") do not provide a minimum of three named manufacturers. The Basis of Design products are indicated on the Finish Schedule, but other acceptable manufacturers are not identified. For the next submission, please provide at least three acceptable manufacturers and the words "or equal" for each material or equipment item.</i></p>
<ul style="list-style-type: none"> ● Do not specify that a product or system shall require prequalification for use prior to bidding. 	
<ul style="list-style-type: none"> ● Include a copy of the geotechnical report, including test boring hole locations and dates, and soil investigation results, including water levels, allowable solid bearing pressure recommendations, foundations and bottom grades of footing and slabs. 	

<ul style="list-style-type: none"> Indicate all required filed sub-bids specification sections. 	<p><i>Filed sub-bid sections are not identified in Divisions 02 through 14 of the Project Manual. For the next submission, please identify all filed sub-bid sections.</i></p>
<ul style="list-style-type: none"> Each filed sub-bid section shall detail all labor and materials required by the sub-trade. 	<p><i>See above comment – filed sub-bid sections are not identified in Divisions 02 through 14 of the Project Manual.</i></p>
<ul style="list-style-type: none"> Staging, scaffolding, cutting and patching, refuse collection and disposal, demolition work and cleaning task, allocation policy and proposed language shall be carefully assigned to avoid duplication or omission. 	
<ul style="list-style-type: none"> Describe the work extent, the materials and workmanship, and include the work under the proper section. If any portion of work included in a specifications section is to be performed by a trade covered by another section, there shall be clear and distinct cross-referencing between the sections. Merely to state “by others” is not acceptable. 	<p><i>Some further coordination is needed. For example, it is unclear if duct-mounted smoke detectors are provided by Section 260000 “Electrical” or by Section 283111 “Digital, Addressable Fire Alarm Systems”. This should be reviewed and coordinated for the next submission.</i></p> <p><i>Several sections contain references to Sections 014339 “Mockups” and 014339.16 “In Place Mockups”, neither of which were included in the Project Manual. This should be reviewed and coordinated for the next submission.</i></p> <p><i>Additionally, numerous sections in Division 23 appear to be incomplete or unedited masters. This should be reviewed and updated for the next submission.</i></p>
<ul style="list-style-type: none"> All “Work by Others” specification references are coordinated. 	
<ul style="list-style-type: none"> Specify work in appropriate Sections according to local trade jurisdiction. 	
<ul style="list-style-type: none"> In sections for which filed sub-bids are required, refrain from using such terms as “the Contractor,” the “Heating Contractor,” or “the Plumbing Contractor,” but where necessary for clarity refer to the “HVAC Subcontractor,” the “General Contractor” and so on. 	<p><i>Sections in Divisions 21-28 use the term “the Contractor”. For clarity, consider replacing this with terms such as “the General Contractor,” “the Plumbing Subcontractor,” “the Electrical Subcontractor” in the next submission.</i></p>
<ul style="list-style-type: none"> Alternates, if approved in writing by the owner, shall be properly described and cross-referenced in the project manual and drawings. 	
<ul style="list-style-type: none"> Allowances are prohibited pursuant to M.G.L. c. 149, § 44G(A). 	
<ul style="list-style-type: none"> Unit price items, if permitted or ordered by the owner, shall be properly described in the specifications. 	<p><i>Section 012200 “Unit Prices” identifies unit price items from Section 332313 “Geothermal Well Field” in the Unit Price Schedule, which is not issued with the 60% CD submission. However, other sections appear to contain unit price items as well (for example, Sections 265113 “Architectural Luminaires, Sources and Components”, 035416 “Hydraulic Cement Underlayment”, 090561.13 “Moisture Vapor Emission Control”, and 022820 “Asbestos Remediation”). This should be reviewed and updated for the next submission.</i></p>
<ul style="list-style-type: none"> Do not use general clauses intended to be all-inclusive in lieu of complete descriptions. 	

<ul style="list-style-type: none"> Do not duplicate standard requirements that are contained in the contract form. 	
<ul style="list-style-type: none"> Use consistency throughout. The word "will" shall be used to designate what the owner, authority, owner's project manager, or the Designer can be expected to do, and the word "shall" shall be used to designate what is mandatory for the contractor or subcontractors to do. 	<i>The term "will" is sometimes used to describe what is mandatory for the contractor to do, and the term "shall" is sometimes used to describe what the owner or designer can be expected to do. This should be reviewed and, if necessary, updated for the next submission.</i>
<ul style="list-style-type: none"> Use the same term throughout for the same subject and the term shall be the same as that used on the drawings. 	
<ul style="list-style-type: none"> Do not use the term "etc.." 	<i>The term "etc." is used throughout the Project Manual. This should be reviewed and, if necessary, updated for the next submission.</i>
<ul style="list-style-type: none"> Avoid such terms as "to the satisfaction of the Designer," "as directed by the Designer," "as approved" and "as required." 	<i>The terms "to the satisfaction of the Architect," "as directed by the Architect," "as approved" and "as required" are used throughout the Project Manual. This should be reviewed and, if necessary, updated for the next submission.</i>
<ul style="list-style-type: none"> Avoid using symbols. 	
<ul style="list-style-type: none"> Do not give numbers both in words and figures. Numbers less than 10 shall be written in words, 10 and higher numbers shall be written in figures. In expressing dimensions, figures such as 2 in., 16 in., 7 ft., 6 in., shall be used. 	<i>Numbers are sometimes given in both words and figures. This should be reviewed and if necessary, updated for the next submission.</i>
<ul style="list-style-type: none"> Specify materials mined or manufactured in Massachusetts first and the United States of America second whenever possible. 	<i>Materials mined or manufactured in Massachusetts do not appear to be specified first. This should be reviewed and, if necessary, updated for the next submission.</i>

6B.3.7 Project Coordination	Comments
<ul style="list-style-type: none"> Verify the submittal is coordinated with any early-bid packages, if applicable. 	<i>Wall sections are not sufficiently developed to determine if coordination has been performed between packages. Please address this in the next submission.</i>
<ul style="list-style-type: none"> Room names and numbers are coordinated between all disciplines. 	
<ul style="list-style-type: none"> Finish grade elevations coordinated between all disciplines. 	
<ul style="list-style-type: none"> Civil earthwork grading and excavation plans are coordinated with architectural and landscape plans. 	
<ul style="list-style-type: none"> Materials/soil terms used in the Earthwork specification is coordinated with architectural, structural and civil specifications and plans. 	
<ul style="list-style-type: none"> Seismic detailing coordinates with architectural drawings. 	
<ul style="list-style-type: none"> Confirm that there are no beams and columns protruding horizontally and vertically into stairwells, and other interior spaces. 	<i>The edge of slab drawings appears to be in progress, so it could not be confirmed that there are no beams or columns protruding into stairwells. This should be reviewed and updated in the next submission.</i>

• Structural dimensions match architectural drawings.	
• Column orientation matches architectural drawings.	
• Column grid lines match architectural drawings.	
• Column and bearing wall locations match architectural drawings.	
• Column locations coordinated with all other disciplines.	
• Slab depressions are indicated in the structural drawings and coordinated with the architectural finishes and plumbing drawings.	<i>The edge of slab drawings appear to be in progress, and are not fully dimensioned. Therefore, coordination with the structural drawings could not be confirmed. This should be reviewed and updated in the next submission.</i>
• Verify that the structural, mechanical, or other disciplines, do not conflict with architectural plans or specifications.	
• Verify coursing dimensions at vertical masonry construction.	<i>Dimensions that could confirm coursing are not included on the elevations or sections. Suggest including this for clarity.</i>
• Coordinate thermal insulation and thermal breaks between conditioned interior spaces and unconditioned exterior spaces.	
• Room wall/floor/ceiling construction coordinated with the finish schedule.	
• Coordinate access to mechanical and plumbing systems with architectural finishes. Confirm that requirements for access panel sizes and locations are coordinated between architectural and MEP/FP drawings and specifications.	<i>Access panels are not shown on the drawings. Suggest including these for clarity.</i>
• Mechanical equipment power requirements and physical locations, including special information as to who mounts, connects, tests, etc.	
• Coordinate outside air intake opening locations and any hazard or noxious contaminants as described by 780 CMR: Massachusetts State Building Code.	
• Verify potential spatial conflicts in mechanical equipment.	
• Coordinate roof plans with MEP drawings; indicate roof top systems, access, walk pads & guardrails.	<i>Roof drains and tapered patterns are graphically inconsistent throughout the trade drawings, which may lead to confusion. For example, the architectural roof plans compared to sheets P11-04A and P11-04D. Suggest consistent graphic representation and design should be reviewed and coordinated for the next submission.</i>
• Coordinate Solar Readiness areas on roof plans, structural plans and electrical/plumbing drawings.	
• Equipment plan coordinates with architectural plans.	
• The Designer confirms that the project continues to comply with the MSBA High School Science Lab Guidelines and/or Recommendations of Best Practices for K-12 STEM learning Spaces.	

SMMA

Project Management

Town of Stoneham

New Stoneham High School

Construction Update

08.15.2022



Early Site Enabling Work

Guaranteed Maximum Price (GMP)		CM Contingency	
GMP Amount – BP#1	\$ 10,520,247	CM Contingency	\$ 224,845
Expenditures	(\$ 1,975,786)	Expenditures	\$ 0.00
Balance	\$ 8,546,461	Balance	\$ 224,845
Allowances		Owner's Construction Contingency	
Allowances	\$ 158,000	Owner Change Order Contingency	\$ 7,670,933
Expenditures	(\$ 4,000)	Expenditures	(\$ 450,000)
Balance	\$ 154,000	Balance	\$ 7,220,933



New Temporary and Upper Parking Lots



New Entrance/Exit Drive



New Building Pad Location



New Building Pad Location

STONEHAM INDEPENDENT

AUGUST 1, 2022

NOISE AND POSSIBLE DAMAGE FROM THE NEW STONEHAM HIGH SCHOOL.

My family is awoken at 7:00 AM every morning except Sunday from the beeping noise and truck banging noise in the preparation for the new high school. We asked Maine Drilling & Blasting to change the starting time from 7 AM to 8 AM, but we were denied.

My house is situated on wooden piles, and it is inevitable there will be damage to the structure of the house from the blasting.

We are in our eighties with health problems, and we do not need the aggravation from this horrible situation. We are only 275 feet from where the blasting will occur.

Arthur and Bernice Bennett

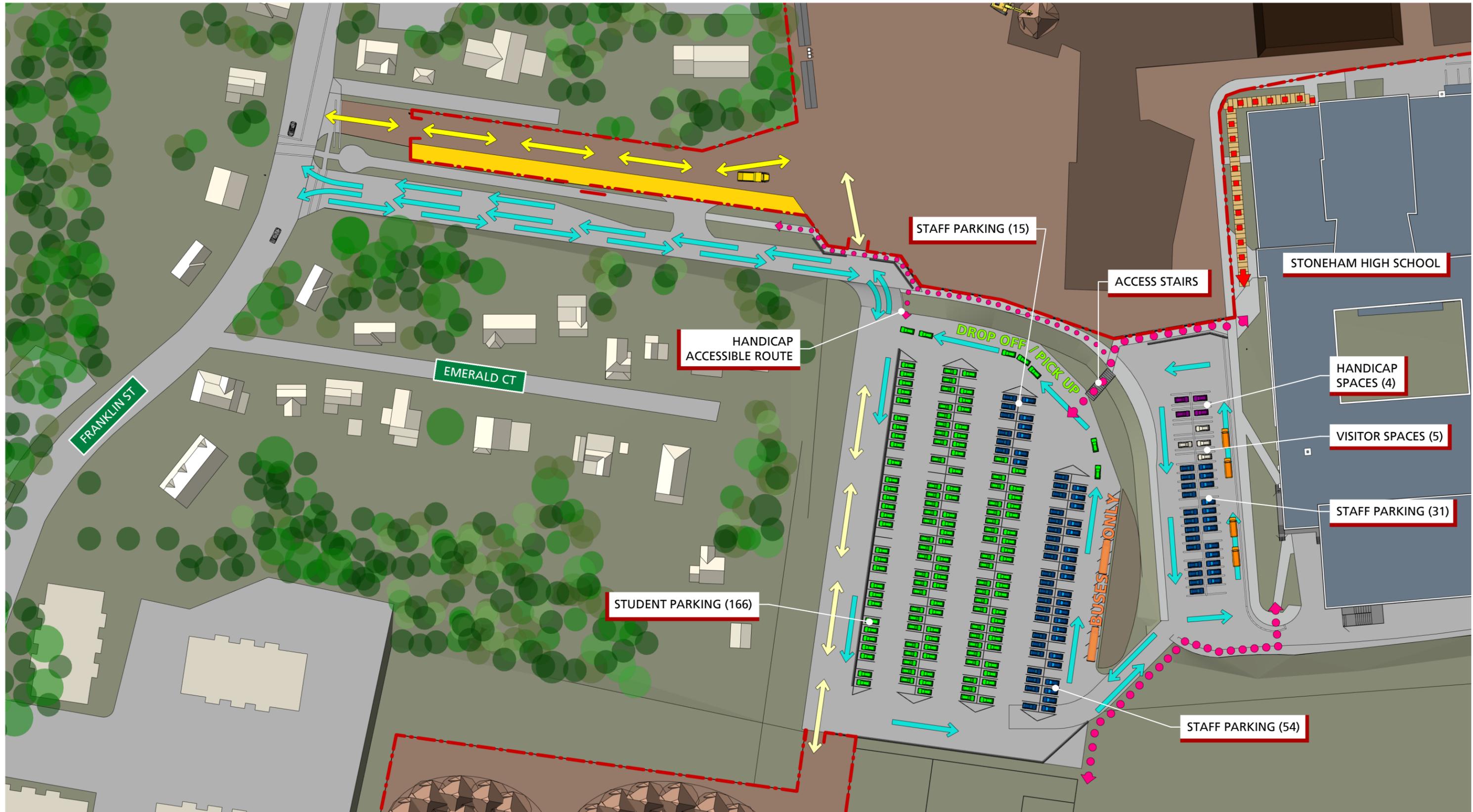
7 Sunset Road

Stoneham, MA 02180

781-665-3219

arthurbennett@comcast.net

✓ cc Town Administrator.



 Construction Vehicles

 School and Public Vehicles

 Student Drop Off / Pick-Up

 Pedestrian Route

July 28,2022

Mr. Joel G. Seeley
Symmes Maini & McKee Associates, Inc.
1000 Massachusetts Avenue
Cambridge, Massachusetts 02138

Reference: Stoneham High School - Structural Peer Review
Stoneham, Massachusetts
LeM File No. 22.0087

Dear Joel:

As requested, LeMessurier completed our independent structural engineering review for the referenced project in accordance with 780 CMR Section 105.9 of the Massachusetts State Building Code (Ninth Edition).

We reviewed the Construction Document structural package dated July 14, 2022, and titled Addendum #2 to Bid Package 2 and prepared by the structural engineer of record, B+AC, LLC of Chelsea, Massachusetts.

We determined that the design of the building structure appears conceptually correct, and we did not discover any major errors in the design. LeMessurier concluded that the design is appropriate to conform to the prescriptive criteria of the Ninth Edition of the Massachusetts State Building Code with Amendments and with reference to the 2015 International Building Code.

Very truly yours,

LeMessurier Consultants Inc.


William D. Lovallo, P.E.
Managing Principal



S:\2022\22.0087\06-wdl\Stoneham High School peer review letter 2022-0728.docx

LeMessurier.

Project Minutes

Project: New Stoneham High School
 Prepared by: Mark Stafford
 Re: Green Building Initiatives Meeting
 Location: Remote Locations
 Distribution: Attendees (MF)

Project No.: 20033
 Meeting Date: 8/1/2022
 Time: 10:00am
 Meeting No: 32

Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
	Raymie Parker	Chair, Select Board
✓	Dennis Sheehan	Town Administrator
	April Lanni	Town Procurement Officer / MCPPO Certified
	John Macero	Superintendent of Schools
✓	Brian McNeil	Facilities Director
	Erin Wortman	Director, Planning and Community Development
	Susan McPhee	Energy Conservation Coordinator
	Vamshi Gooje	Thornton Tomasetti
	Olivia Brissette	Nexamp
✓	Patrick Canning	Nexamp
✓	Ariel Kondiles	Nexamp
✓	Jaymie Stanton	Nexamp
✓	Kelsey Shukis	Nexamp
✓	Grace Taylor	Nexamp
	Mark Frigo	Nexamp
	Steve Conte	Eversource
	Brooke Trivas	Perkins and Will
	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
	Ryan Flynn	BALA
✓	Steve Burke	Consigli
	Kristy Lyons	Consigli
✓	Tom Michelman	SEA
	Robert Smith	SMMA
✓	Mark Stafford	SMMA
✓	Joel Seeley	SMMA

Item #	Action	Discussion
32.1	A. Lanni A. Kondiles	<p data-bbox="475 390 727 422">Photovoltaic System</p> <ol data-bbox="524 443 1437 1778" style="list-style-type: none"><li data-bbox="524 443 1437 709">1. Draft SESS Agreement and Lease Agreement:<ol data-bbox="618 485 1437 709" style="list-style-type: none"><li data-bbox="618 485 1437 516">a. A. Lanni to forward to Town Counsel for review. <i>(from prior meeting)</i><li data-bbox="618 527 1437 625">b. October 17, 2022 Town Meeting to 1) Authorize Town Administrator to enter into a Lease Agreement, and 2) Authorize Town Administrator to negotiate a Pilot Agreement.<li data-bbox="618 636 1437 709">c. D. Sheehan to confirm if Town Meeting approval for the Town Administrator to negotiate the SESS Agreement is required.<li data-bbox="524 720 1437 793">2. S. Messinger confirmed the underground conduit to the PV canopies, pricing provided by Consigli, are required to be concrete encased.<li data-bbox="524 804 1437 877">3. A. Kondiles to provide cut-sheets of LED light fixture options that are light cut-off type.<li data-bbox="524 888 1437 1178">4. Weekly coordination meeting with Nexamp, P&W and Consigli to commence 8/1/22:<ol data-bbox="618 972 1437 1178" style="list-style-type: none"><li data-bbox="618 972 1437 1045">a. Point of connection for the underground storm piping for the PV Canopies<li data-bbox="618 1056 1437 1087">b. Nexamp 30% Progress Drawings<li data-bbox="618 1098 1437 1129">c. Size of PV conductors to connect to the Building Switchgear<li data-bbox="618 1140 1437 1178">d. Current location of rooftop equipment and penetrations<li data-bbox="524 1188 1437 1287">5. A. Kondiles indicated Nexamp can slightly increase the output for the Rooftop PV system but the Canopy PV system output and layout will remain the same.<li data-bbox="524 1297 1437 1413">6. A. Kondiles reiterated that Nexamp will continue to monitor price increases and provide quarterly updates, starting in October and possibly lock in to lower steel prices based on steel market futures.<li data-bbox="524 1423 1437 1560">7. T. Michelman asked if Nexamp is basing their financials on a B3 or B7 rate? <i>A. Kondiles believes it will be a B7 rate, but Nexamp will run a review of B3 vs. B7 for costs. It will become firm once the interconnection report and study are complete.</i><li data-bbox="524 1570 1437 1778">8. S. Messinger asked due to the value management reduction in the size of the emergency generator from 1000 kw to 500 kw, could battery storage from the solar PV make up the difference and maintain the school as a heating/cooling center? <i>A. Kondiles indicated a separate meeting will need to be had to review. S. Messinger will schedule the meeting.</i>

Item #	Action	Discussion
32.2	P. Cunningham S. McPhee	<p>EV Charging Stations</p> <ol style="list-style-type: none"> 1. P. Cunningham to forward the current Electrical Site Plan to S. Conte for review of a potential alternate location for Eversource Transformer and Meter, dedicated to EV, closer to the EV Stations. <i>(from prior meeting)</i> 2. P. Cunningham to send the Eversource Work Order Number for the New Electric Service for the New Building to S. Conte and S. McPhee. <i>(from prior meeting)</i> 3. S. McPhee to fill out preliminary application and send to S. Conte. <i>(from prior meeting)</i> 4. S. McPhee indicated funding for the program should be known by the end of July. <i>(from prior meeting)</i>
32.3	R. Flynn	<p>Full Load Electrical Capacity at Franklin Street <i>(from prior meeting)</i></p> <ol style="list-style-type: none"> 1. R. Flynn will follow up with Eversource to confirm in writing the full load capacity at Franklin Street.
32.4	P. Cunningham S. Messinger	<p>Dark Building and Campus <i>(from prior meeting)</i></p> <ol style="list-style-type: none"> 1. Site Lighting - P. Santore recommended a multi-stage lighting approach for the Site Lighting, where at unoccupied times the lighting level is lowered to approximately 30% to conserve energy and upon activation of a security event or motion, would increase to full lighting levels, P. Cunningham to follow-up. S. Messinger asked if these requirements would add cost? Consigli to price once system confirmed. 2. Building Lighting - P. Cunningham to confirm with P. Santore for recommendation on approach to Building Lighting. S. Messinger noted motion sensors and occupancy sensors are part of the design. If someone centers the building after hours, the lights should come on full power. M. Stafford asked does the lighting need to be at full power after hours or 70%? 3. P. Cunningham to confirm with BALA if the streetlights will be designed with the "Dimulator" device used by the Town on the public streetlights.
32.5	Record	Next Green Building Initiatives Meeting: Monday, 8/15/2022 at 10:00am, remote.

Attachments: None

The information herein reflects the understanding reached. Please contact the author if you have any questions or are not in agreement with these Project Minutes