

## Project Minutes

Project: New Stoneham High School Project No.: 20033  
 Prepared by: Sarah Traniello Meeting Date: 9/11/2023  
 Re: School Building Committee Meeting Time: 7:00pm  
 Location: Central Middle School Media Center & Remote Participation Meeting No: 73  
 Distribution: Attendees (MF)

## 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, Middle School Building Committee	Voting Member
✓	Sharon Iovanni	Community Member	Voting Member
✓	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
	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
Remote	Brian McNeil	Town Facilities Director	Non-Voting Member
✓	April Lanni	Town Procurement Officer / MCPPO Certified	Non-Voting Member
✓	Brooke Trivas	Perkins&Will	
✓	Stephen Messinger	Perkins&Will	
	Patrick Cunningham	Perkins&Will	
✓	Brad Pineau	Perkins&Will	
✓	Lizzy Dame	Perkins&Will	
	Steve Banak	Consigli Construction	
✓	Andrew MacNeil	Consigli Construction	
✓	Todd McCabe	Consigli Construction	
✓	Robert Smith	SMMA	
✓	John Cutler	SMMA	
Remote	Sarah Traniello	SMMA	
✓	Julie Leduc	SMMA	

Item #	Action	Discussion
73.1	Record	Call to Order, 7:00 PM, meeting opened.
73.2	Record	This meeting will be held via video conference and in person and will be posted on the Town's website.
73.3	Record	<p><b>Approval of Minutes</b></p> <p>A motion was made by J. Craigie and seconded by S.Iovanni to approve the 8/21/23 School Building Committee meeting minutes.</p> <p>All in favor, one abstention (D.Bois), motion passed.</p>
73.4	Record	<p><b>Approval of Invoices and Commitments</b></p> <ul style="list-style-type: none"> <li>• <b>Warrant No. 46</b>            J.Leduc reviewed Warrant No. 46, attached.            Perkins&amp;Will's Invoice No. 0202806 for a total of \$137,677.11 from \$123,025.00 in Construction Administration and Consultant invoices in the amount of \$4,422.11 under Designer Amendment 21, \$330.00 under Designer Amendment 22, and \$9,900 under Amendment 26; SMMA's Invoice No. 59931 for Construction Administration in the amount of \$99,499.76; \$21,909.80 under OPM Amendment No. 3 for Owner's Testing Services; and Consigli Construction Co.'s Requisition No. 14 for \$4,605,863.10.           <ul style="list-style-type: none"> <li>• D. Gove representing the Finance Subcommittee presented the Finance Subcommittee's recommendation for approval of Warrant No. 46 as presented in the full amount of \$4,450,990.63.</li> <li>• A motion was made by J. Craigie and seconded by D. Pignone to approve Warrant No. 46. All in favor, motion passed.</li> </ul> </li> <li>• <b>Change Order No. 20</b>            S.Messinger reviewed Change Order No. 20 in the amount of \$155,357.15, attached. S.Messinger reviewed and summarized the description of Allowance Transfer: AT-034 Boulder Handling; Change Requests: CR-087 Pipe Size Clarifications (PR-043) of \$7,978.03; CR-096 Partition Revisions in Coordination (PR-042) of \$5,659.70; CR-115 Catwalk Railings and Panelboards (PR-061) for -\$5,844.02; CR-117 Separate Existing Urban Fill for \$111,079.92; CR-122 BDA Rated Cable (RFI-221.1) for \$11,857.31; CR-123 Deflection Track Criteria of \$10,074.34; CR-126 Duct Re-Route in Video Production (PR-074) for \$5,979.38; CR-129 Infiltration at Turf Field (CCD-003) for \$6,495.16; CR-138 Hose Bibb at Area D Mech Well (PR-082) for \$2,077.33; Contingency Transfers: CT-031 Elevator Door Finish; CT-034 Relocate and Set Jersey Barriers.            J.Leduc advised that the Finance Subcommittee met immediately prior to the School Building Committee Meeting and reviewed this Change Order.           <ul style="list-style-type: none"> <li>• D.Gove representing the Finance Subcommittee presented the Finance Subcommittee's recommendation for approval of Change Order No. 20 as presented in the amount of \$155,357.15.</li> <li>• A motion made by D. Gove and seconded by J. Craigie to approve Change Order No. 20. All in favor, motion passed.</li> </ul> </li> </ul>

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		<ul style="list-style-type: none"> <li> <p>• <b>Perkins&amp;Will Designer Amendment No. 27 – Exhaust Dispersion and Design Study</b>            E. Dame reviewed Designer Amendment No. 27 for an Exhaust Dispersion and Study to be performed at the New Stoneham High School project in the amount of \$14,300.00 to evaluate the generator exhaust stack height at the south side.</p> <ul style="list-style-type: none"> <li>▪ J. Craigie representing the Finance Subcommittee presented the Finance Subcommittee’s recommendation for approval of Designer Amendment No. 27 as presented in the full amount of \$14,300.00.</li> <li>▪ Motion in favor made by D. Gove and seconded by J. Craigie to approve Designer Amendment No. 27. All in favor, motion passes.</li> </ul> </li> <li> <p>• <b>Perkins&amp;Will Designer Amendment No. 28 – Environmental Educational Branding Services</b>            B.Trivas reviewed Designer Amendment No. 28 for Branded Educational Environmental Graphics Services in the New Stoneham High School in the amount of \$175,000.00.</p> <ul style="list-style-type: none"> <li>▪ <b>1A. Story+Showcase Elements:</b> Visioning+Strategy = \$25K</li> <li>▪ <b>1B. Story+Showcase Elements:</b> Design = \$90K</li> <li>▪ <b>1C. Story+Showcase Elements:</b> Development + Implementation = \$60K</li> </ul> <p>The environmental branding that apply to this scope of services are:</p> <ul style="list-style-type: none"> <li>• Auditorium undercut wall &amp; ceiling;</li> <li>• Gym north wall at monumental stair;</li> <li>• Gym north wall at interior (gym) side;</li> <li>• Gym south wall (gym side);</li> <li>• Pre-K entry;</li> <li>• Monumental stair level 2-&gt;3;</li> <li>• Athletic corridor at Athletic entrance; and</li> <li>• Exterior fins.</li> </ul> <ul style="list-style-type: none"> <li>• D. Gove representing the Finance Subcommittee presented the Finance Subcommittee’s recommendation for approval of Designer Amendment No. 28 as presented in the full amount of \$175,000.00 with a Not-To-Exceed \$175,000.00.</li> <li>• Motion in favor made by D. Gove and seconded by J. Craigie to approve Designer Amendment No. 28 in the amount of \$175,000.00. All in favor, motion passes.</li> </ul> </li> <li> <p>• <b>Amendment No. 1 to the Statement of Work #2 for Sustainable Energy Advantage (SEA) – PPA Consulting Services</b>            J.Leduc reviewed Amendment No. 1 to the Statement of Work #2 for Sustainable Energy Advantage (SEA) for PPA Consulting Services relating to the New Stoneham High School in the amount of \$11,643.72.</p> <ul style="list-style-type: none"> <li>• D. Gove representing the Finance Subcommittee presented the Finance Subcommittee’s recommendation for approval of Amendment No. 1 to the Statement of Work #2 for Sustainable</li> </ul> </li> </ul>

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		<p>Energy Advantage (SEA) for PPA Consulting Services relating to the New Stoneham High School in the amount of \$11,643.72.</p> <ul style="list-style-type: none"> <li>• Motion in favor made by D. Gove and seconded by J. Craigie to approve Amendment No. 1 to the Statement of Work #2 for Sustainable Energy Advantage (SEA) for PPA Consulting Services relating to the New Stoneham High School in the amount of \$11,643.72. All in favor, motion passes.</li> </ul>
73.5	Record	<p><b>Budget and Schedule Update</b></p> <ul style="list-style-type: none"> <li>• <b>Budget Update</b> <ul style="list-style-type: none"> <li>○ We are tracking forecasted costs of \$2,199,444 in Pending Change Orders that still have not been vetted yet. The current Contingency is \$9,446,701. If we were to process all of those pending change orders we would have \$7,247,257 remaining in Contingency.               <ul style="list-style-type: none"> <li>▪ S.Iovanni asked if we are in a good place with relation to our Change Orders and Contingency usage at this point in the project. <i>J.Leduc advised that the project is 1 year into the project and 1 year remaining on the project and have spent less than \$1million dollars in Contingency. That is really good considering getting a building out of the ground is extremely expensive. This can be attributed to the hard work of SMMA of Bob Smith, Stephen Messinger of Perkins&amp;Will and Consigli who pour over these proposed change orders to ensure that changes are not excessive or wanton, and watching your dollars so they are spent appropriately. J.Leduc also advised that there have been at least 2 credit change orders which is where Consigli has been its effort to return money to the project where it can.</i></li> <li>▪ D.Bois asked what scope do we have that remains to be bought out? <i>T.McCabe advised FFE which is not within Consigli's scope. Consigli does have athletic fields, fencing, turf/athletic sports surfacing for the tennis courts, track, sports netting.</i></li> <li>▪ D.Bois asked what the timing is for these would be within the next month these items would be procured. <i>T.McCabe advised that Consigli has updated bids from all of the subcontractors and just in the final descoping phase.</i></li> <li>▪ D. Bois asked about how we stand in comparison to the GMP budget? <i>T. McCabe advised that we are at face value without final descopes in most cases at or slightly below budget. One issue with turf with relation to the labor value is being worked through with the subcontractor. It is a better bidder climate than it was a year ago.</i></li> <li>▪ D. Pignone asked if the turf has been selected yet. <i>T. McCabe advised the turf has not been selected yet.</i></li> <li>▪ J.Craigie asked who does the selection of the turf contractor? <i>T.McCabe advised that Consigli will make the</i></li> </ul> </li> </ul> </li> </ul>

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		<p data-bbox="782 361 1429 508"><i>selection and put together an Owner Approval Letter with the costs and the proposed so that it is able to be seen where and how it is arrived at for the selection vs. the budget that was carried. The specification was done by Perkins&amp;Will for the turf.</i></p> <ul data-bbox="548 520 1464 1764" style="list-style-type: none"><li data-bbox="548 520 799 550">• <b>Schedule Update</b><ul data-bbox="597 558 1464 1764" style="list-style-type: none"><li data-bbox="597 558 1464 667">○ T. McCabe advised that A.MacNeil provided the update last month in his absence. Consigli has maintained their previously reported schedule which was about a 12-day impact mainly through what is the project's critical path.</li><li data-bbox="597 676 1464 1764">○ MEP Coordination portion of the project is critical path which consists of modeling and fitting all the systems within the space that exists above ceiling.<ul data-bbox="737 768 1464 1764" style="list-style-type: none"><li data-bbox="737 768 1464 1003">▪ It was recognized several weeks ago that this coordination effort is impacting overall schedules so as a team got together put plans together to expedite MEP Coordination by establishing some milestones to turn over areas of the building and to date these milestones have been hit. More specifically, last Friday, third floor Areas A and B. Most of the ductwork for rough systems on the second floor are installed.</li><li data-bbox="737 1012 1464 1213">▪ The third floor was not installed first because the building was not weather tight since the building did not have a roof on yet. Consigli has design coordinated for Areas A and B with the roof going in and the ductwork which is the major component of the HVAC systems is due onsite on September 25<sup>th</sup> so we will finish on Floor 2 and go up to Floor 3 and do the installation there.</li><li data-bbox="737 1222 1464 1331">▪ Coordination will progress on the first floor and will be all coordinated by the end of the month, another 2 weeks, then the material will be released to get that material onsite through the building that way.</li><li data-bbox="737 1339 1464 1520">▪ Another tight area that needed coordination was the mechanical room and that has been all coordinated and material has been released. Major activities over the next month with subcontractors that Consigli will continue to work with to improve their duration onsite to have a positive impact to pull the schedule back in.</li><li data-bbox="737 1528 1464 1709">▪ Roofing material is all onsite and installation has started and a day or two has been lost since we started reporting this as a result of inclement weather. It is unknown what is in store for this weekend with the potential of a hurricane coming up the East coast, but the team will plan for inclement weather that may impact roofing.</li><li data-bbox="737 1717 1464 1764">▪ In addition to roofing, work is being performed in order to enclose the façade with framing and sheathing installed on</li></ul></li></ul></li></ul>

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		<p>floors 2 and 3 and framing is being performed on floor 1 coming around the building towards the construction trailers.</p> <ul style="list-style-type: none"> <li>▪ Consigli will continue to push further on the classroom building with the sheathing and the air vapor barrier will commence in the next week on the west side with the hopes of masonry starting in the next month.</li> <li>▪ The mockup will be reviewed in the next couple of days as the brick has already been approved and the mortar color just needs to be right between the joints and there will be a few options to review within the coming week.</li> <li>▪ Once approved, the mortar will be installed on the mockup and then on the building which is a couple of weeks away. Exciting times with only a few weeks away from having masonry on the building. Everything is running on track.</li> </ul> <p><b>Committee Questions:</b></p> <ul style="list-style-type: none"> <li>○ S.Iovanni asked where the project stands with the Siemens part that is expected in February 2024, is it still on schedule? <i>T.McCabe advised that Consigli checks each month to confirm that they delivery is still on schedule.</i></li> <li>○ S.Iovanni asked if there was any damage to the building during the wind and rain storms that Stoneham has sustained over these past weeks? <i>T. McCabe advised no there has been no damage. With the impending arrival of Hurricane Lee, Consigli will spend time this week anticipating its arrival to secure the building, the site, stored materials, fencing and equipment and will monitor with the subcontractors.</i></li> <li>○ D.Gove asked if a schedule could be provided at the next meeting to remind the SSBC of when the fields will be completed and turned over so that it is refreshed in the Committee's mind. <i>T.McCabe advised that it is possible for this to be provided by Consigli.</i></li> <li>○ P.Ryder asked if it is possible for us to revisit the subject of sod vs. seed so that the School/Town might be able to get the fields back sooner? <i>T.McCabe advised yes.</i></li> <li>○ D.Bois confirmed if it is the fields outside of the baseball and softball that are being requested to be either sod or seed? <i>Yes.</i></li> <li>○ R.Parker wanted confirmation regarding why we are 12 days behind. Is it because we don't have enough materials? Not enough people to perform the work? Is it a matter of once you get inside the building and getting to the finishing trades it will be able to be sped up? How will that work? <i>T.McCabe advised that what has been discussed at these past few meetings is not as a result of available manpower but due to some weather in summer and late spring. Also, the effort of trying to make everything fit the model before Consigli actually builds the building. Consigli has been using the model to work through the systems to ensure the systems will work and fitting within the space that has been designed and Consigli has had to modify some of that a bit. Not due to</i></li> </ul>

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		<p><i>limited material or manpower on site. Extra crews for framing that have been requested to assist with manpower have actually helped expedite and push through some of the delays that were being experienced on the façade a few months ago. Consigli will continue to look for opportunities of working with additional crews to help get through periods of expediting on Saturdays to use the time wisely.</i></p> <ul style="list-style-type: none"> <li>○ R.Parker asked about the Change Request that was a part of the Change Order approved regarding mechanical ductwork. Was it something that was related to this kind of rework/coordination? <i>A.MacNeil answered No, the change was for ductwork to fit within the space provided in the ceiling.</i></li> </ul>
73.6	Record	<p><b>Team Introduction</b></p> <p>J.Leduc introduced John Cutler who has recently joined the project from Hill International (resume attached) to lead the moving coordination from the existing building to the new school for the project, facilitating the relocation of existing FFE within the existing school and the tracking and acceptance of FFE upon arrival onsite as it is distributed to the new building. SMMA's Michaela and Isabel inventoried the existing Stoneham High School Building and J.Cutler will be putting together the IFB for Move Services with A.Lanni before the end of the year to get competitive bidding. In the meantime, J.Cutler will be coordinating the relocation of where existing FFE will be relocated to that will not be used within the District and onsite with B.Smith a few days a week.</p> <p><b>Committee Questions:</b></p> <ul style="list-style-type: none"> <li>• D.Bois asked if there are lead times for FFE and if there is a schedule for when these items will be procured by the District. <i>B.Trivas advised that she will have an updated schedule and updated budget at the next School Building Committee Meeting.</i></li> <li>• D.Bois advised that it is no longer a year away and on some of these items there are some pretty long lead times. <i>J.Leduc advised that B.Trivas' team has gone through the school and met with the staff room by room with the educations and administrators to determine what their FF&amp;E needs. J.Leduc asked B.Trivas to confirm there will be a Furniture Fair for FF&amp;E in October and September 21, 2023 MHEC is having a Furniture Expo at the Worcester DCU Center.</i></li> <li>• <i>J.Craigie asked if MSBA allows furniture to go from the old building to the new building. J.Leduc advised that there is a list of the items that are potentially moving from the existing building to the new building and it will be part of the process that J.Cutler will be going through.</i></li> </ul>
73.7	Record	<p><b>Construction Update Photos</b></p> <p>Construction update provided by B.Smith as he reviewed the drone images and the monthly progress followed by additional photos showing the progress</p> <ul style="list-style-type: none"> <li>• August Drone Aerial image</li> <li>• September Drone Aerial image</li> <li>• September Drone Aerial image of North and East Elevation</li> <li>• September Drone Aerial image of South Elevation</li> </ul>

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		<ul style="list-style-type: none"> <li>• Area C Roof</li> <li>• Gymnasium Roof</li> <li>• Gymnasium</li> <li>• First Floor – Area A</li> <li>• Second Floor West Corridor – Area B</li> <li>• Second Floor Toilet Room – Area C</li> </ul>
73.7	Record	<p><b>Subcommittee Updates</b></p> <ul style="list-style-type: none"> <li>• <b>Green Building Initiatives Update</b> <ul style="list-style-type: none"> <li>○ J.Leduc advised we are still working on the Nexamp contract. Good news was received that the Eversource Interconnect Study was completed so the final information will be able to be provided to finalize the contract. The contract should be received later next week.</li> <li>○ R.Parker asked about the hooks that that were needed to tie down on the roof and whether it had been discussed at all? <i>J.Leduc advised that the flute spanning strips have been marked out, laid out and some of them have been installed in Area C.</i></li> </ul> </li> </ul>
73.8		<ul style="list-style-type: none"> <li>• <b>PR Subcommittee</b> <ul style="list-style-type: none"> <li>○ <b>Newspaper Article and 6-Week Internship of Timur Gray</b> <ul style="list-style-type: none"> <li>▪ T.Gray was invited to the September 11, 2023 SSBC Meeting where he presented an overview of his article that he wrote for the Stoneham Independent regarding his summer internship spent with Consigli Construction, Perkins&amp;Will and SMMA. He specifically touched upon his accomplishments at Stoneham High School and what inspired his desire to endeavor a 6-week internship with Consigli Construction over the summer. His excitement showed no bounds about learning what happens in the field on a daily basis as he rode to the site and suited up with his hard hat, hi-visibility vest, boots and vision protection gear to see and observe ongoing activities. Timur’s enthusiasm was embraced by all he worked with and everyone made his experience feel like the closest thing to a real job as it could possibly be for a summer internship where he was participating in various meetings i.e. Construction Meetings, Submittal Meetings, Consigli Meetings and many others. The Team helped Timur get a full picture of all the details of everything that goes on behind the scenes and how every detail mattered including spending time with the trades who showed him what they did and how to do it, including allowing Timur at times to try his hand also at the task as well. Timur even had the opportunity to go to the office of the testing agency to see how they perform soil and concrete testing. At the conclusion of Timur’s internship, he had the opportunity to go to the offices of Consigli, Perkins&amp;Will and SMMA to get an even more detailed exposure to what their firm does at headquarters as well. Perkins&amp;Will showed Timur how they use drawings and models to represent the building. Consigli introduced</li> </ul> </li> </ul> </li> </ul>

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	S.Traniello/ SMMA	<p>Timur to likeminded interns and was able to see what other buildings look like after completion. SMMA showed Timur the job of Owner's Project Managers, Accounting, Interior, Marketing and meeting with their Civil Engineers to see some of their projects. All of these experiences gave Timur an overall perspective of what goes into an overall site and provided an opportunity to interview others later on in the year with StonehamTV. The internship provided Timur with a much clearer perspective of the options that he had for himself in the future and thanks everyone for this wonderful opportunity as he will continue to see everyone and be a part of the project. J.Leduc explained the great experience everyone had mentoring Timur and Timur advised that one of his exciting moments was getting to photograph all of the great changes that were happening as he watched the school building transform before his eyes as steel was going up, walls being installed and seeing it all come together. J. Craigie advised that Timur should meet with Principal Lombardi to have a montage of pictures added to the Stoneham High School Time Capsule and it would be great to have some of that Timur has captured included. S.O'Neill asked if Timur's internship experience has helped steer his interest in any particular direction with respect to his future education. Timur answered that it did and it helped him and having gone to SMMA and been in contact with one of their Civil Engineers, he is still in contact with to share ideas with and learn from. The internship experience has provided not only more knowledge but also put Timur in touch with contacts he can reach out to in the future to help guide him into the field of study and career. R.Parker stated that she thought this was an excellent choice for an internship pursuit especially thinking of something you were interested in and working to make it happen by asking the right people to get it done. It is also a great opportunity to inspire other students to get them engaged in internships that resonate with what they aspire to pursue. The SSBC will continue to follow Timur's progress and invite him back for the ribbon cutting.</p> <ul style="list-style-type: none"> <li>▪ S.Iovanni extends the PR Subcommittee's gratitude to the Stoneham Independent for their publication of Timur Gray's article in its entirety.</li> <li>○ <b>Town Day</b> <ul style="list-style-type: none"> <li>▪ S.Iovanni advised that the schedules for Back-To-School Nights and Town Day have been passed around this evening asking for members of the SSBC to sign up for some time coverage on Town Day during the 11am-4pm timeframe as the Back-To-School nights have sufficient coverage.               <ul style="list-style-type: none"> <li>○ S.Traniello will follow up with those who have signed up this evening and request those who are not present to sign up for some of the timeframes that need coverage. S.Iovanni advised that even if availability is just for 1 hour, it will make a difference and be helpful to all.</li> </ul> </li> </ul> </li> </ul>

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		<ul style="list-style-type: none"> <li>▪ S.lovanni advised that the article for Town Day was placed in the newspaper and it will appear this week and hopefully next week as well. S.lovanni advised that she will share with N.Nial to post on Facebook so that it gets more visibility as S.lovanni is still experiencing difficulty getting into Patch to post articles.</li> <li>▪ Town Day is scheduled for Saturday, September 23, 2023, with rain date of Sunday, September 24, 2023.</li> <li>▪ Journal books are available to be taken to the Back-To-School Nights and to Town Day so that people are able to write their messages to the future that will be placed into the Time Capsule at Stoneham High School.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Time Capsule Working Group</b> <ul style="list-style-type: none"> <li>○ J.Craigie is looking for more stickers to place on the journal books when they are ready.</li> <li>○ J.Craigie met with B.Lombardi, Mike _____ in Technology and Briana Nims-Henderson in Humanities to review details to go forward with getting input from the students and B.Lombardi will assist in helping make the decision on who will purchase the actual time capsule box.</li> <li>○ Envisioning a photo montage on a disc but it was unsure whether or not those in the future will have the technology at that time.</li> <li>○ Identifying a location to put the time capsule box</li> <li>○ Written in the journals students would write what they envision as a student from 2024 looking to the future what will the future look like.</li> <li>○ Each of the school classes will put something into the time capsule and perhaps it is all of their little mascots that would be small enough to go into the box.</li> <li>○ The staff members for all of the subjects that each of them place into time capsule for their discipline/subject.</li> <li>○ Take it back to the council and class and each put something into the box with one thing for the school. Everyone will come back with ideas.</li> <li>○ The books will travel around to the schools and there will be censored to ensure that everything written is appropriate for readers of all ages.</li> <li>○ R. Parker advised that it would be nice to have one book that was held aside for the SSBC to write their contributions within the book and have a group photo of the School Building Committee taken and placed in the book to share with the future and have everyone on the team sign it as well and share what they do for a career and their thoughts on the new school.</li> </ul> </li> </ul>
73.09	Record	<p><b>ARPA Funds and Earmark Discussion</b></p> <ul style="list-style-type: none"> <li>• D.Sheehan advised that the Select Board and the School Committee have been in discussions for securing the Arnold House for the potential of the Stoneham District Offices. At Town Meeting there was vote that included restoring the ARPA Funds in the amount of \$2.2Million back to the Town of Stoneham. This is an appropriate time to discuss as there was a \$500,000</li> </ul>

Item #	Action	Discussion
		<p>earmark for the District offices also. It is an appropriate time to discuss as the School Committee discussed on Thursday how we got to this point where the District offices had to come out of the High School Building project. The use of these funds at this juncture, D.Sheehan would like to hear the Committee's feedback on the subject.</p> <ul style="list-style-type: none"> <li>• D.Gove asked if the current budget shows the \$2.2 Million in ARPA Funds? What are those funds currently doing? <i>J.Leduc advised No, the ARPA Funds are not incorporated into the current budget within the Contingency Funds for the project. The funds have not been encumbered.</i></li> <li>• D.Sheehan advised that the MSBA is currently further evaluation of providing additional funds to school projects which our MSBA Project Coordinator advised MSBA staff is starting to sort through how various projects will be impacted. Even that potential amount is not known at this time and is not a part of any Budget Sheet or Contingency Fund at this time either. <i>J.Leduc advised that the funding proposed that will be provided by the MSBA will be at the discretion of the MSBA staff and it will be further discussed at the MSBA's October 25, 2023 Board of Directors Meeting and the recommendations will come forth.</i></li> <li>• Is that different from the money that was appropriated at the State level? <i>J.Leduc advised that it is the same thing it is going to be received by the MSBA and distributed accordingly.</i></li> <li>• S.Iovanni asked if the Town was handed a check for the amount of the ARPA Funds? <i>D.Sheehan advised that the School Committee earmarked the funds for the School Building Committee and the School Building Committee will unencumber the funds.</i></li> <li>• S.Iovanni asked if it is not in the current budget and just earmarked as encumbered, it is just a matter of stating thank you but we do not need it? <i>D.Sheehan advised that it will be as we discussed at the January Town Meeting that the ARPA Funds were held because there was uncertainty but there are other funds that will be coming and it will allow for the ARPA Funds to be returned as planned.</i></li> <li>• S.Iovanni asked what is the timeline that this needs to be done? <i>D.Sheehan advised expeditiously as it would help the community dialogue with the intentions of the Town on where the money is coming from. Most of the community dialogue is about the impact to taxes and ARPA do not affect the debt exclusion.</i></li> </ul> <p>J.Craigie advised that the Committee needs to do this because otherwise the Town is going to pay \$200,000 for rent a year. J.Craigie advised that the \$2.2 Million in ARPA Funds should be returned to the Select Board to make the funds available to provide the next solution for the District Offices.</p> <p>D.Bois advised that he wants to reiterate that the SSBC is not voting on District Offices or how the Select Board decides to use the ARPA Funds. The SSBC made a commitment at Town Meeting when we asked for \$25 Million as it was brought up as a motion to exclude that \$2.2 Million. All the SSBC is stating is that the SSBC will be following through with the commitment to return the ARPA Funds. The SSBC tried to</p>

Item #	Action	Discussion
		<p>include the District Offices program into the project but could not get any additional funding from the MSBA for that to happen. The SSBC is still chasing construction costs that continue to rise at a greater rate than the SSBC can make decisions to cut costs. This is simply the release of the ARPA funds as promised as discussed and committed to at Town Meeting.</p> <p>N.Nial asked for an abbreviated version of why the District Offices cannot go back into the Stoneham High School building perhaps as modulars onsite or another building onsite. It was discussed at the School Committee Thursday night and the public need to know more background. D.Bois explained that when the District Offices were taken out the East elevation in order to fit the PreK classrooms the footprint was bigger than the floor above, so there was a foot projection on that level. When the District Offices were taken out, that allowed for the PreK to squeeze into some of that space but it simplified the building so that the wall came straight down, eliminating the projection, taking out the additional square footage. It reduced foundations and had a pretty big impact overall on the cost and when the SSBC went back to the Town for more money it was too late as Steel and Foundations were already going. For the SSBC to move to put that back in at that time, it would upset the project schedule significantly and would have cost significantly more.</p> <ul style="list-style-type: none"><li data-bbox="548 919 1469 1388">• B.Trivas asked N.Nial if the question she is trying to ask is whether or not modulars or another type of building can be placed on the Stoneham High School site to accommodate the District Offices. <i>N.Nial answered Yes, people in the community are asking because there will be modulars at the Colonial Park School for Preschool space and why modulars or similar building cannot be done at the New Stoneham High School site to accommodate the District Offices. S.Messinger further answered that the project was designed with a giant list of requirements like sports fields, parking, building. There is an existing building that is being replaced with fields, then you have the new school building. When you go around the site, a significant portion of the site is taken up by the program that was required or requested from the very beginning so that is the majority of the site. There are some small portions of the site that are batches of grass but there is no magical zone where you can put something that would need to be accessible, safe and provide all the functions. There are small slivers of land but there is not a lot remaining because the site is full.</i></li></ul> <p>A motion was made by J.Craigie to unencumber the ARPA Funds with a second motion from P.Ryder.</p> <p>All in favor, roll call vote, motion passed.</p>

Item #	Action	Discussion
73.10	Record	<p><b>Traffic Signal Discussion</b></p> <p>D.Sheehan advised of letter regarding grant for \$500,000 that Erin Wortman was able to get to improve the intersection at Franklin and Stephens Street (near the Dunkin Donuts). The program assigns an engineering firm to the Town to design a solution that will work. The Town has reached out to Vanasse for their design work and make the traffic signal improvements. The timeline is a long one as the signal has a long timeline. It is hoped to order the traffic signal needed before bidding it out as a construction piece. R.Parker asked when we value engineered the traffic signal, it was taken out of the High School project so it became a Town project. D.Sheehan advised it was cut but there are designs that are timely and relevant, so the Town applied for this intersection.</p>
73.11	Record	<p><b>Auditorium Donor Plate Discussion</b></p> <p>B. Trivas advised that the Specification shows that Donor Plates were owned as part of the project in the Auditorium. Bronze plates that are 3"x 3/4" on every seat, 581 seats. It is not a requirement to have them on all seats, as you could place them on every end seat, or on those in the front of the Auditorium or it could be decided to not have them at all. The engraving is not owned. Each plate would be engraved with the information for each donor, as desired. It would then be placed into the arm of the Auditorium chair, in the groove matching once it is engraved. You can choose to either have the bronze plate sitting in the little spot on the arm of the chair or you can place each one of the bronze plates into the arms of the chairs after they come back from engraving. As a donation is made, the plate could also be removed, engraved and then placed into the seat it belongs. The only cost additional cost is for the engraving of each of the brass plates which could come out of the donation. The plates are already owned as part of the project. Seats and rows are already numbered.</p> <ul style="list-style-type: none"> <li>D.Pignone advised that the School Committee is entertaining sponsorships and donors. The SSBC has agreed to accept the bronze plates for this use.</li> </ul>
73.12	Record	<b>Public Comment – None</b>
73.13	Record	<b>Next SSBC Meeting: Monday, October 16, 2023 at 7:00 pm.</b>
73.14	Record	<p>A Motion was made by M. Christie and seconded by J. Craigie to enter into executive session and not to return to this meeting.</p> <p>All in favor, motion passed unanimously.</p>

**Attachments:** Agenda, Meeting Minutes of 8/21/23, Warrant No. 46, Change Order No. 20, Designer Amendment No. 27 – Exhaust Dispersion and Design Study; Designer Amendment No. 28 – Environmental Educational Branding Services; Amendment No. 1 to the Statement of Work #2 for Sustainable Energy Advantage (SEA) – PPA Consulting Services; John Cutler Resume; Budget Update; Construction Update PowerPoint Presentation, Consigli Logistics Plan; Green Building Initiatives Meeting Minutes of 7/31/23 and 8/14/23; Stoneham Independent Article submitted by Timur Gray; Traffic Signal Letter from MassDOT; Auditorium Donor Plates Slide.

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

## Agenda

Project:	New Stoneham High School	Project No.:	20033
Re:	School Building Committee Meeting	Meeting Date:	9/11/2023
Prepared by:	Julie Leduc	Meeting Time:	7:00 PM
Meeting Location:	Central Middle School Library & Remote Participation	Meeting No.	73
Distribution:	Attendees (MF)		

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1. Call to Order
2. Vote to Enter Executive Session and Return to Open Session
  - M.G.L. c.30A, Sec. 21(a)(4) – To discuss the deployment of security personnel or devices, or strategies with respect thereto.
3. Approval of Minutes
4. Approval of Invoices and Commitments
  - Approval of Warrant No. 46
  - Approval of Change Order No. 20
  - Perkins&Will's Amendment 27 – Exhaust Dispersion and Design
  - Perkins&Will's Amendment 28 – Environmental Branding Services
  - Amendment No. 1 to Statement of Work #2 for Sustainable Energy Advantage
5. Budget and Schedule Update
6. Construction Update
  - Construction Progress Activities
7. Subcommittee Updates
  - Green Building Initiatives Update
  - PR Subcommittee Update
    - Timur Gray
  - Time Capsule Update
8. ARPA Funds & Earmark Discussion
9. Traffic Signals Discussion
10. Auditorium Fixed Seating Donor Plates Discussion
11. Discussion/Correspondence/New Items
12. Committee Questions
13. Public Comments
14. Next Meeting: October 16, 2023

Join: <https://meet.goto.com/899396765>

Dial: +1 (872) 240-3311      Access Code: 899-396-765

*The items listed are those reasonably anticipated by the Co-Chairs which may be discussed at the meeting. Not all items may in fact be discussed and other items not anticipated may also be brought up for discussion to the extent permitted by law.*

1000 Massachusetts Avenue  
Cambridge, MA 02138  
617.547.5400

[www.smma.com](http://www.smma.com)

**John Cutler**  
**29 Bates St. Mendon, MA**  
**John.Cutler7576@gmail.co m**  
**(774)-307-0061**

## **Education**

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**Quinnipiac University, Hamden, CT**  
Bachelor of Science, Economics  
Year of Graduation: 2020

## **Work Experience**

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**Hill International, New Revere DPW Project, Project Manager** 2021-2023

Providing project management services during the design and construction phases for the new Department of Public Works facility in the City of Revere. The new \$26 million, 39,000 SF facility will house most of Revere's infrastructure maintenance departments. Responsible for coordinating communications between contractor, client, site personnel, and consulting engineers. Assisted with the prequalification and procurement processes during the design phase. During the construction phase responsible for reviewing and tracking wage rates, certified payrolls, submittals, RFIs, PCOs, and the construction schedules. Additional responsibilities include maintaining and updating the project budget, processing invoice and contract amendment requests, facilitating weekly OAC meetings, and facilitating the coordination of third-party vendors with the General Contractor.

**Hill International, New Concord Middle School Project, Assistant Project Manager** 2021-2023

Providing project management services during the feasibility, schematic design, contract documents, and bidding phases of the new \$111 million, 147,000 SF Concord Middle School. As a member of the team, attending all meetings during design and construction to assist with managing the quality of the project to ensure a successful completion as it relates to "on time" and within budget. Responsible for assisting with the prequalification and procurement processes during the design phase. Additional responsibilities include maintaining and updating the project budget, processing invoices and contract amendment requests.

**Hill International, Mansfield High School MSBA ARP, Project Manager** 2021-2023

Providing Project management services for the Mansfield High School boiler replacement project. Responsible for coordinating communications between contractor, client, site personnel, and consulting engineers. Responsible for project scheduling, financial monitoring, design review, construction monitoring, MSBA submissions, MSBA reporting, and closeout documents. John is responsible for maintaining and updating the project schedule, project budget, vendor invoice requests, MSBA monthly reporting, MSBA design phase submissions, facilitating owners and design meetings, and MSBA ProPay requests.

**Hill International, Raymond E. Shaw Middle School, Move Coordinator** 2021-2022

Provided move management services for the Millbury Elementary School project. Responsibilities included assisting with the procurement of movers, creation of a master inventory log, creation of a logistics plan, and providing training for the school staff in preparation for the timely and successful move.

**Cort Furniture, Logistics Coordinator, Operations manager** 2019-2021

Assisted with recording inventory of existing furniture along with creating a pick and pull sheet for all outbound inventory. Implemented both a system for tracking material and a recycling program for unused or expired material.

**Mastodon Moving, Logistics Coordinator**

2017-2019

Worked with the CEO on reformatting warehouse schematics in order to create a more streamlined system for easier navigation. Reorganized the warehouse to maximize the space resulting in greater storage capacity. Created inventory logs for projects including items of specific size, weight and quantity.

**Certifications**

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**OSHA 30**

2021

**Massachusetts Certified Public Purchasing Official (MCPPO)**

2022

**Skills**

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**Controls:** Microsoft Word, Microsoft Power point, Google Documents, Microsoft Excel, Bluebeam

**Bilingual:** Fluent in Spanish

-Learned to read, write, and speak in Spanish at the same time as I learned in English

## Warrant No. 46

Project: Stoneham High School, Stoneham, Massachusetts  
 Prepared by: Julie Leduc and Sarah Traniello

Project No.: 20033  
 Date: 9/11/2023

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>
Perkins & Will	0202806		9/5/2023	\$ 123,025.00	0201-0700	\$ 2,829,575.00
Perkins & Will	0202806	AM21	9/5/2023	\$ 4,422.11	0204-0300	\$ 53,451.00
Perkins & Will	0202806	AM22	9/5/2023	\$ 330.00	0203-9900	\$ 73,228.10
SMMA	59931		9/11/2023	\$ 99,499.76	0102-0700	\$ 2,190,100.00
SMMA	59931	AM3	9/11/2023	\$ 21,909.80	0602-0000	\$ 97,964.20
Consigli Construction Co.	14		8/31/2023	\$ 4,605,863.10	See SOV	\$ 136,203,177.72
						<b>RETAINAGE</b>
		CM Fee	0502-0010	\$ 71,321.25	0502-0010	\$ 3,753.75
		CM Staffing	0502-0100	\$ 234,701.30	0502-0100	\$ 12,352.70
		General Requirements	0502-0100	\$ 345,878.11	0502-0100	\$ 18,204.11
		Concrete	0502-0300	\$ 234,342.90	0502-0300	\$ 12,333.84
		Masonry	0502-0400	\$ 55,907.50	0502-0400	\$ 2,942.50
		Metals	0502-0500	\$ 274,945.75	0502-0500	\$ 11,207.75
		Thermal & Moisture Protection	0502-0700	\$ 53,423.25	0502-0700	\$ 2,811.75
		Doors & Windows	0502-0800	\$ 4,275.00	0502-0800	\$ 225.00
		Finishes	0502-0900	\$ 664,905.00	0502-0900	\$ 34,995.00
		Specialties	0502-1000	\$ 475.00	0502-1000	\$ 25.00
		Elevator	0502-1400	\$ 107,665.88	0502-1400	\$ 5,666.63
		Plumbing	0502-2200	\$ 184,998.25	0502-2200	\$ 9,736.75
		HVAC	0502-2300	\$ 1,036,576.35	0502-2300	\$ 54,556.65
		Electrical	0502-2600	\$ 460,275.00	0502-2600	\$ 24,225.00
		Electronic Safety and Security	0502-2800	\$ 5,700.00	0502-2800	\$ 300.00
		Earthwork Subtotal	0502-3100	\$ 869,297.50	0502-3100	\$ 45,752.50
		Change Order No. 14	0508-0014	\$ 4,275.00	0508-0014	\$ 225.00
			<b>Total</b>	<b>\$ 4,855,049.77</b>		

\_\_\_\_\_  
 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 \_\_\_\_\_

# Perkins&Will

# Invoice

September 5, 2023

Project No: 153010.000

Invoice No: 0202806

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

Stoneham High School - FS-Closeout

**Professional Services: through August 25, 2023**

**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	0202806
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	100.00	4,921,000.00	4,921,000.00	0.00	0.00	
Bidding	1,124,800.00	100.00	1,124,800.00	1,124,800.00	0.00	0.00	
Construction Administration 3.125	3,936,800.00	31.25	1,230,250.00	1,107,225.00	123,025.00	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	89.1111	30,877.00	30,877.00	0.00	0.00	
Amendment #13	0.00	0.00	0.00	0.00	0.00	0.00	
Geotechnical - LGLI	55,429.00	100.00	55,429.00	55,429.00	0.00	0.00	
Amendment #14	0.00	0.00	0.00	0.00	0.00	0.00	
Geo-environmental - FS Engineers	13,640.00	100.00	13,640.00	13,640.00	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	87.2914	74,800.00	74,800.00	0.00	0.00	
Amendment #16	0.00	0.00	0.00	0.00	0.00	0.00	
Test Well - McPhail	122,650.00	99.958	122,598.46	122,598.46	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	52.1292	112,963.93	112,963.93	0.00	0.00	
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 #21	0.00	0.00	0.00	0.00	0.00	0.00	
Geotech-Lahlaf	168,074.00	68.1979	114,623.00	110,200.89	4,422.11	0.00	
Amendment #22	0.00	0.00	0.00	0.00	0.00	0.00	
Geothermal-McPhail E2	154,000.00	52.4493	80,771.90	80,441.90	330.00	0.00	
Amendment #23	0.00	0.00	0.00	0.00	0.00	0.00	
Soil Samples - FS Engineers	5,500.00	100.00	5,500.00	5,500.00	0.00	0.00	
Amendment #24	0.00	0.00	0.00	0.00	0.00	0.00	
Additional CD approvals	184,588.00	100.00	184,588.00	184,588.00	0.00	0.00	
Amendment #25	0.00	0.00	0.00	0.00	0.00	0.00	
Amphitheater	45,000.00	15.00	6,750.00	6,750.00	0.00	0.00	
Amendment #26	0.00	0.00	0.00	0.00	0.00	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	0202806
Site Revised Grading	57,750.00	27.1429	15,675.00	5,775.00	9,900.00	
Total Fee	15,434,464.14		11,953,885.21	11,816,208.10	137,677.11	
<b>Total Fee</b>					<b>137,677.11</b>	
<b>Total this Invoice</b>					<b>\$137,677.11</b>	

**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

## Invoice

Invoice No.:	2022-20
Invoice for Period Ending:	6/25/2023
Date:	7/20/2023

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 29 - June 25, 2023 LGCI Proposal No. 21047-Rev.2                    \$150,095.00 Amount Previously Invoiced                    \$109,122.63 Current LGCI Invoice No. 2022-20                    \$4,020.10 Amount Invoiced to date                    \$113,142.63 Balance remaining from Budget amount                    \$36,952.37				
<b>Construction Services</b> Task 3.2 - Rev Geo Aspects of Submits/RFIs Geotechnical Representative - Review Contractor Submittal Senior Engineer - Review Contractor Submittal		1.3 0.5	107.00 150.00	139.10 75.00
Task 3.3 - Field Services Junior Geotechnical Representatives - 8 Site Visits Mob Cost		33 8	88.50 40.00	2,920.50 320.00
Task 3.4 Field Reports, Review and Coordination Junior Geotechnical Representatives - Prepare Field Reports Senior Engineer for Coordination and Review		3 2	88.50 150.00	265.50 300.00
Make check payable to Lahlaf Geotechnical Consulting, Inc.				
<b>Total due this invoice</b>				\$4,020.10

<b>Balance Due</b>	\$4,020.10
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User	Role	Date	Comment
AP Specialist - Boston	AP Specialist	8/29/2023 13:36:27	Forwarded for review by Michelle Geoffrion
Brooke Trivas	Reviewer	8/29/2023 13:36:27	Invoice reviewed
AP Specialist - Boston	AP Specialist	8/29/2023 13:36:28	Posted by Michelle Geoffrion



July 26, 2023  
Project No: 7189.2.E2  
Invoice No: 0077885

Perkins + Will  
225 Franklin Street, Ste. 1100  
Boston, MA 02110

Attention: Ms. Brooke Trivas  
email: bos.ap@perkinswill.com

Stoneham High School; Stoneham, Massachusetts  
Geothermal Engineering Services  
Task E2: Construction Monitoring  
Proposal dated 6/29/22 - Budget \$140,000

**Professional Services from June 1, 2023 to June 30, 2023**

**Professional Personnel**

	<b>Hours</b>	<b>Amount</b>	
Totals	2.00	300.00	
<b>Total Labor</b>			<b>300.00</b>
		<b>Total this Invoice</b>	<b>\$300.00</b>



# Billing Backup

Wednesday, July 26, 2023

McPhail Associates, LLC

Invoice 0077885 Dated 7/26/2023

5:48:23 PM

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## Professional Personnel

			<b>Hours</b>		<b>Amount</b>
00029	Patch, Jonathan	6/14/2023	1.00	150.00	150.00
00029	Patch, Jonathan	6/28/2023	1.00	150.00	150.00
	Totals		2.00		300.00
	<b>Total Labor</b>				<b>300.00</b>
				<b>Total this Project</b>	<b>\$300.00</b>
				<b>Total this Report</b>	<b>\$300.00</b>

User	Role	Date	Comment
AP Specialist - Boston	AP Specialist	8/28/2023 15:32:10	Forwarded for review by Michelle Geoffrion
Brooke Trivas	Reviewer	8/28/2023 15:32:10	Invoice reviewed
AP Specialist - Boston	AP Specialist	8/28/2023 15:32:10	Posted by Michelle Geoffrion



2 Center Plaza, Suite 430  
 Boston, MA 02108-1928  
 T: 617-338-0063  
 F: 617-338-6472  
[www.nitscheng.com](http://www.nitscheng.com)

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

July 10, 2023  
 Project No: 14166.  
 Invoice No: 82341

Project 14166. Stoneham High School Civil Engineering Services  
Professional Services from May 28, 2023 to June 30, 2023

Task 010 Northwest Fields Grading Revisions - AS

<b>Fee</b>					
Total Fee		12,000.00			
Percent Complete	50.00	Total Earned	6,000.00		
		Previous Fee Billing	0.00		
		Current Fee Billing	6,000.00		
		<b>Total Fee</b>		<b>6,000.00</b>	
			<b>Total this Task</b>	<b>\$6,000.00</b>	
			<b>Total this Invoice</b>	<b>\$6,000.00</b>	

**Outstanding Invoices**

Number	Date	Balance
81424	5/11/2023	2,750.00
81932	6/12/2023	3,000.00
<b>Total</b>		<b>5,750.00</b>

**Billings to Date**

	Current	Prior	Total	Received	A/R Balance
Fee	6,000.00	265,850.00	271,850.00		
<b>Totals</b>	<b>6,000.00</b>	<b>265,850.00</b>	<b>271,850.00</b>	<b>260,100.00</b>	<b>11,750.00</b>



User	Role	Date	Comment
AP Specialist - Boston	AP Specialist	8/28/2023 15:33:48	Forwarded for review by Michelle Geoffrion
Brooke Trivas	Reviewer	8/28/2023 15:33:48	Invoice reviewed
AP Specialist - Boston	AP Specialist	8/28/2023 15:33:48	Posted by Michelle Geoffrion



2 Center Plaza, Suite 430  
 Boston, MA 02108-1928  
 T: 617-338-0063  
 F: 617-338-6472  
[www.nitscheng.com](http://www.nitscheng.com)

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

August 11, 2023  
 Project No: 14166.  
 Invoice No: 82727

Project 14166. Stoneham High School Civil Engineering Services  
Professional Services from July 1, 2023 to July 29, 2023

Task 010 Northwest Fields Grading Revisions - AS

<b>Fee</b>					
Total Fee		12,000.00			
Percent Complete	75.00	Total Earned	9,000.00		
		Previous Fee Billing	6,000.00		
		Current Fee Billing	3,000.00		
		<b>Total Fee</b>		<b>3,000.00</b>	
			<b>Total this Task</b>	<b>\$3,000.00</b>	
			<b>Total this Invoice</b>	<b>\$3,000.00</b>	

**Outstanding Invoices**

Number	Date	Balance
81932	6/12/2023	3,000.00
82341	7/10/2023	6,000.00
<b>Total</b>		<b>9,000.00</b>

**Billings to Date**

	Current	Prior	Total	Received	A/R Balance
Fee	3,000.00	271,850.00	274,850.00		
<b>Totals</b>	<b>3,000.00</b>	<b>271,850.00</b>	<b>274,850.00</b>	<b>262,850.00</b>	<b>12,000.00</b>



User	Role	Date	Comment
AP Specialist - Boston	AP Specialist	8/29/2023 13:37:15	Forwarded for review by Michelle Geoffrion
Brooke Trivas	Reviewer	8/29/2023 13:37:15	Invoice reviewed
AP Specialist - Boston	AP Specialist	8/29/2023 13:37:15	Posted by Michelle Geoffrion



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

September 11, 2023  
 Project No: 20033.00  
 Invoice No: 0059931

Project 20033.00 Stoneham High School OPM Services  
Professional Services from August 5, 2023 to September 1, 2023

**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	100.00	640,000.00	640,000.00	0.00
Bidding	180,000.00	100.00	180,000.00	180,000.00	0.00
Construction Administration	3,185,100.00	31.2392	994,999.76	895,500.00	99,499.76
Closeout	220,000.00	0.00	0.00	0.00	0.00
<b>Total Fee</b>	<b>4,710,100.00</b>		<b>2,299,999.76</b>	<b>2,200,500.00</b>	<b>99,499.76</b>
		<b>Total Fee</b>			<b>99,499.76</b>

**Consultants**

UTS of Massachusetts, Inc.	21,909.80	
<b>Total Consultants</b>	<b>21,909.80</b>	<b>21,909.80</b>
	<b>Total this Invoice</b>	<b>\$121,409.56</b>

**Outstanding Invoices**

Number	Date	Balance
0059776	8/16/2023	99,500.00
<b>Total</b>		<b>99,500.00</b>

**Billings to Date**

	Current	Prior	Total
Fee	99,499.76	2,200,500.00	2,299,999.76
Consultant	21,909.80	111,126.12	133,035.92
Expense	0.00	31,995.12	31,995.12
<b>Totals</b>	<b>121,409.56</b>	<b>2,343,621.24</b>	<b>2,465,030.80</b>

Authorized By: Julie Leduc



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

Robert Smith

Digitally signed by Robert Smith  
 DN: C=US,  
 E=rsmith@smma.com, O=SMMA,  
 OU=Owners Project Manager,  
 CN=Robert Smith  
 Reason: I have reviewed this  
 document  
 Date: 2023.09.06 09:48:55-04'00'

5 Richardson Lane, Stoneham, MA 02180 781-438-7755 (Voice) 781-438-6216 (Fax)

To: Symmes Maini & McKee Assoc  
 Julie Leduc  
 1000 Massachusetts Avenue  
 Proj# 20033  
 Cambridge, MA 02138

Invoice Date: 8/18/2023  
 Page Number: 1  
 Invoice 107384  
 Job Number: 27167  
 Terms: **Due Upon Receipt**

Project: **Stoneham High School**  
**149 Franklin Street, Stoneham, MA**

DATE	QUANTIT	DESCRIPTION	RATE	AMOUNT
06/02/2023	1	Min/Ultrasonic	300.00	300.00
06/12/2023	1	Min/Steel	240.00	240.00
07/20/2023	6	Cubes	16.00	96.00
07/21/2023	1	Min/Ultrasonic	300.00	300.00
07/24/2023	6	Cubes	16.00	96.00
07/24/2023	4	Grout Prisms	30.00	120.00
07/24/2023	1	Max/Masonry	400.00	400.00
07/24/2023	1	Grout/Trans	40.00	40.00
07/24/2023	1	Min/Nuclear Densometer	210.00	210.00
07/24/2023	1	Troxler Rental	45.00	45.00
07/25/2023	8	Grout Prisms	30.00	240.00
07/25/2023	1	Min/Masonry	210.00	210.00
07/25/2023	1	Min/Nuclear Densometer	210.00	210.00
07/25/2023	1	Troxler Rental	45.00	45.00
07/26/2023	4	Grout Prisms	30.00	120.00
07/26/2023	1	Min/Masonry	210.00	210.00
07/26/2023	1	Grout/Trans	40.00	40.00
07/26/2023	1	Min/Nuclear Densometer	210.00	210.00
07/26/2023	1	Troxler Rental	45.00	45.00
07/27/2023	4	Grout Prisms	30.00	120.00
07/27/2023	1	Min/Masonry	210.00	210.00
07/27/2023	1	Grout/Trans	40.00	40.00
07/27/2023	1	Min/Light Gauge Metal Framing	240.00	240.00
07/27/2023	1	Max/Nuclear Densometer	400.00	400.00
07/27/2023	1	Troxler Rental	45.00	45.00

07/28/2023	1	Bubble Gun Test	1,000.00	1,000.00
07/28/2023	24	Cylinders - 4 x 8	16.00	384.00
07/28/2023	1	Max/Field	380.00	380.00
07/28/2023	1	Max/Field	380.00	380.00
07/28/2023	4	Grout Prisms	30.00	120.00
07/28/2023	1	Grout/Trans	40.00	40.00
07/28/2023	1	Window Testing	2,800.00	2,800.00
07/28/2023	1	Max/Nuclear Densometer	400.00	400.00
07/28/2023	1	Troxler Rental	45.00	45.00
07/28/2023	1	Sieve Analysis #570	120.00	120.00
07/28/2023	1	Proctor #570	135.00	135.00
07/28/2023	1	#200 Wash Sieve #570	120.00	120.00
07/29/2023	1	F-Number-SAT.,SOG Lev.1 Pour 1	1,275.00	1,275.00
07/31/2023	1	Cyl/Trans	40.00	40.00
07/31/2023	1	Max/Nuclear Densometer	400.00	400.00
07/31/2023	1	Troxler Rental	45.00	45.00
08/01/2023	1	Min/Nuclear Densometer	210.00	210.00
08/01/2023	1	Troxler Rental	45.00	45.00
08/02/2023	1	Min/Light Gauge Metal Framing	240.00	240.00
08/02/2023	1	Min/Nuclear Densometer	210.00	210.00
08/02/2023	1	Troxler Rental	45.00	45.00
08/03/2023	12	Cylinders - 4 x 8	16.00	192.00
08/03/2023	1	Min/Field	200.00	200.00
08/03/2023	1	Min/Rebar	230.00	230.00
08/03/2023	1	Max/Nuclear Densometer	400.00	400.00
08/03/2023	1	Troxler Rental	45.00	45.00
08/04/2023	1	Cyl/Trans	40.00	40.00
08/04/2023	1	F-Number, SOD Lev.2 Pr.5 Pt.1	850.00	850.00
08/04/2023	1	F-Number, SOD Lev.2 Pr.5 Pt.2	850.00	850.00
08/04/2023	1	Min/Nuclear Densometer	210.00	210.00
08/04/2023	1	Troxler Rental	45.00	45.00
08/07/2023	1	Min/Steel	240.00	240.00
08/09/2023	1	Min/Steel	240.00	240.00
08/10/2023	1	Min/Rebar	230.00	230.00
08/11/2023	1	Max/Asphalt Nuclear Densometer	400.00	400.00
08/11/2023	1	Troxler Rental	45.00	45.00
08/11/2023	30	Cylinders - 4 x 8	16.00	480.00
08/11/2023	1	Max/Field	380.00	380.00
08/11/2023	1	Max/Field	380.00	380.00
08/11/2023	1	Min/Steel	240.00	240.00
08/12/2023	1	F-Number-SAT.,SOG Lev.1 Pour 2	1,275.00	1,275.00
08/14/2023	1	Cyl/Trans	40.00	40.00
08/16/2023	1	Min/Light Gauge Metal Framing	240.00	240.00

**TOTAL THIS INVOICE:**

**19,918.00**

**All File Test reports will be discarded 6 months after completion of our services.**





**Of Massachusetts Inc.**  
**"The Construction Testing People"**

May 6, 2022

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

RE: Stoneham High School – 149 Franklin Street  
Stoneham, Massachusetts

Dear Mr. Seeley:

In response to your request for a proposal, we are pleased to have the opportunity to introduce our firm and the scope of services we provide. UTS of Massachusetts, Inc. is a third-generation, family owned and operated business that has been servicing the construction industry throughout New England for more than 52 years, providing the highest quality engineering, testing and inspection services for both the private and public sector.

UTS of Massachusetts is an approved and independent materials testing laboratory complying with all state regulations governing such certifications. Our field staff consists of licensed civil and geotechnical engineers, engineers-in-training and technicians experienced in various phases of construction engineering, testing and inspection. Materials inspection and testing includes, but is not limited to, soil, concrete, masonry, steel, spray fireproofing and bituminous concrete.

UTS of Massachusetts is accredited by the Commonwealth of Massachusetts Concrete Testing Laboratory Number C.T.L. #009, Army Corp of Engineers, AASHTO, and the National Institute of Standards and Technology's Concrete and Cement Reference Laboratory Number CCRL #009. Additionally, our laboratory and field personnel are certified by ACI Level I, ACI Level II, AWS, ASNT and ICC. This is validated through audits and proficiency sample programs. We work with state-of-the art field and laboratory equipment, assuring our clients fast and accurate test results. All work, both field and laboratory are performed in accordance with all applicable standards, specifications and codes. Our clients have come to depend on UTS for this, as well as our ability to provide creative solutions and remedial action to problems that may arise during any phase of the construction project.

**UTS employs on its staff five ACI Level II Concrete Construction Special Inspectors. The special inspectors are qualified to inspect and record the results of concrete construction inspection based on codes and job specifications. The program covers inspection during pre-placement, placement, and post placement operations.**

**UTS of Massachusetts is pleased to announce that we have three purchased an Allen Face Co. D-Meters and we have multiple trained and certified technicians who are now performing F-Number Testing of concrete floor slabs to provide F(f) and F(l) tolerances.**



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

**UTS of Massachusetts have four trained and certified technicians who can perform Window/Door testing. Our technicians are trained and certified to perform air infiltration and water penetration testing of windows, skylights, and doors, as well as the cladding, flashing and installation assemblies.**

**UTS of Massachusetts now employs two International Firestop Council (IFC) certified Fire Stop inspector. The IFC program is the only curriculum currently available that provides third-party inspectors with the high training and competency level required to conduct such inspections.**

UTS of Massachusetts provides these services to owners, developers, architects and structural engineers. We pride ourselves on being an integral part of the construction process and work to deliver diligent management of the quality control schedule of testing and inspection. We are confident we retain the expertise to meet your project needs.

Thank you for taking the time to look over the enclosed proposal. We look forward to partnering with you on your upcoming project. If you have any questions, please do not hesitate to reach out to me directly.

Sincerely,  
UTS OF MASSACHUSETTS, INC.

Bryan M. Crabtree  
Head of Business Development & Operations Manager



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

<b>PROJECT</b>	<b>OWNER</b>	<b>ARCHITECT</b>	<b>ENGINEER</b>
Avery Elementary School Dedhan, MA	Joann Corsi Construction Monitoring 270 Main Street Marlborough, MA 01752 508-786-0600	Lee Wuelfing Dore & Whittier Arch. 260 Merrimac Street Newburyport, MA 01950 978-499-2999	Mehul Druv EDG, Inc. 434 Mass Ave Boston, MA 02118 617-357-5717
Bancroft Elementary School Andover, MA	Trip Elmore Dore & Whittier 260 Merrimac Street Newburyport, MA 01950 978-499-2999	Jonathan Donner Dore & Whittier 260 Merrimac Street Newburyport, MA 01950 978-314-5313	David C. Fanuele Symes Maini & McKee 1000 Mass Ave Boston, MA 02138 617-547-5400
N. Reading Middle High School North Reading, MA	Jeff Wetton, OPM PMA Consultants, LLC 25 BraintreeHill OfficePk Braintree, MA 02184 617-835-4674	Drad Dore Dore & Whittier 260 Merrimac Street Newburyport, MA 01950 978-499-2999	Richard Mitchell EDG Inc. 434 Mass Ave Boston, MA 02118 617-357-5717
New Stoneham Middle School Stoneham, MA	Bill McNally Joslin Lesser & Assoc 44 Pleasant St. Watertown, MA 02472 617-721-3755	Matt Barnhart Tappe Assoc 6 Edgerly Place Boston, MA 02116 617-431-0200	Mark P. Mitsch, P.E. Weston & Sampson 5 Centennial Drive Peabody, MA 01960 978-582-1900
Methuen High Sch. Methuen, MA	Stephen Theran KBA/Trident 6 Thirteenth St Charlestown, MA 02129 617-241-2807	Regan Shield-Ives Finegold & Alexander 77 N. Washington St. Boston, MA 02114 617-227-9272	Marshall Puffer EDG, Inc. 434 Mass Ave Boston, MA 02118 617-357-5717



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

**UTS HAS COMPLETED THE FOLLOWING SIMILAR PROJECTS**

<b>PROJECT</b>	<b>OWNER</b>	<b>ARCHITECT</b>	<b>ENGINEER</b>
Bristol County Agricultural High School - MSBA Project 135 Center Street Dighton, MA	Mark Stafford c/o Colliers International 135 Center Street Dighton, MA 02715 413-592-0030	Bobby Williams HMFH Architects, Inc. 130 Bishop Allen Dr. Cambridge, MA 02139 617-492-2200	Jonathan D. Buhl Foley Buhl Roberts & Assoc. 2150 Washington Street Newton, MA 02462 617-926-9486
North Reading Middle/High School - MSBA Project North Reading, MA	Joanna Kripp Gilbane Building Company 10 Channel Center Street Boston, MA 02210	Dave Mentzer Dore & Whittier Architects 260 Merrimac Street Newburyport, MA 01950 978-499-2999	Nick Lanney HML Associates 10 Rockwood Road Hingham, MA 02043 781-740-9999
Bresnahan Elementary Nock/Molin Middle Schools Newburyport, MA	Steve Bergholm Newburyport Public Sch. 70 Low St. Newburyport, MA 01950 978-465-4400	Allan Pemstein HMFH Architects 130 BRA Drive Cambridge, MA 02139 617-492-2200	Jonathan D. Buhl FBRA 2150 Washington St. Newton, MA 02462 617-527-9600
Bay Path Regional Vocational H.S. 57 Old Muggett Hill Rd. Charlton, MA	Dean Iacobucci BPRVHS 57 Old Muggett Hill Rd. Charlton, MA 01507 508-248-5971	David McKinley KBA Architects 6 Thirteenth St. Charlestown, MA 02129 617-241-2807	Ed Flaherty LeMessurier Consult. 675 Mass Ave Cambridge, MA 02138 617-868-1200
N. Reading Middle High School North Reading, MA	Jeff Wetton, OPM PMA Consultants, LLC 25 BraintreeHill OfficePk Braintree, MA 02184 617-835-4674	Drad Dore Dore & Whittier 260 Merrimac Street Newburyport, MA 01950 978-499-2999	Richard Mitchell EDG Inc. 434 Mass Ave Boston, MA 02118 617-357-5717



**Of Massachusetts Inc.**

**"The Construction Testing People"**

# **Unit Cost**



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

May 6, 2022  
 P26602

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

Unit Rates Listed  
 below superceded  
 by Unit Rates  
 listed in Proposal  
 Response

RE: Stoneham High School – 149 Franklin Street  
 Stoneham, Massachusetts

Dear Mr. Seeley:

We are pleased to submit the following contract for testing and inspection services for your consideration.

**SOILS**

Mechanical Analysis	\$ 120.00
Proctor Density	\$ 135.00
#200 Wash Sieve	\$ 120.00
Professional Engineer, as needed, per hour	\$ 175.00
Staff Engineer (EIT), as needed, per hour	\$ 95.00
Field Inspection	
Services of an experienced technician at the site to observe placement of fill and conduct required density tests to check compaction of same; all required equipment for testing to be supplied by us and used in space provided by the General Contractor.	
Sand Cone Method	
(maximum day)	\$ 380.00
(minimum day)	\$ 200.00
Nuclear Densometer Method	
(maximum day)	\$ 400.00
(minimum day)	\$ 210.00
Daily Troxler usage charge (per day)	\$ 45.00
Transportation of soil samples to lab for testing when man not at site (per trip)	\$ 40.00



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

## CONCRETE

### Plant Inspection

Services of an experienced inspector to verify the moisture content, gradation, batch times, batch weights, and inclusion of additives to concrete. Inspector will also document any adjustments to batch weights and/or additives to concrete.

(maximum day)	\$ 380.00
(minimum day)	\$ 200.00

### Field Inspection

Services of an experienced inspector at the site to check slump, air and density of fresh concrete; fabricate test specimens; daily report of work; specimens to be temporarily stored at site in acceptable box supplied by the General Contractor.

(maximum day)	\$ 380.00
(minimum day)	\$ 200.00

### Cylinder Testing

Includes casting in molds (furnished by UTS), removal from molds, labeling, entering into our database, curing and storage in proper CCRL approved curing facility, compressive strength testing per specified schedule (ASTM C39), reporting results and disposal. All cylinders logged into lab reporting system will be compressive strength tested and reported.

(per sample) (4 x 8)	\$ 16.00
(per sample) (6 x 12)	\$ 25.00

Transportation of cylinders to lab when man not at site or when three or more sets (per trip)	\$ 40.00
---	----------

## MASONRY

### Field Inspection

Services of an experienced inspector to witness batching of mortar in the field; witness placing of block; sampling of block, grout and mortar in accordance with specifications; witnessing fabrication of test prisms; daily report of work.

(maximum day)	\$ 400.00
(minimum day)	\$ 210.00



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Mortar Testing

Curing, testing, reporting of mortar cubes in conjunction with field inspection (per cube) \$ 16.00

Grout Prism Testing

Curing, capping, testing, reporting of grout test prisms in conjunction with field inspection (per prism) \$ 30.00

Block Prism Testing

Curing, capping, testing, reporting of block test prisms, fabricated by the mason contractor, in conjunction with field inspection (2 block high-8x16) (per prism) \$ 50.00

Transportation of test samples to lab for testing when man not at site (per trip) \$ 40.00

**STRUCTURAL STEEL**

Fabrication

Services of an experienced inspector to perform a structural steel shop inspection. Duties will include the review of the Quality Control Manual, welding procedures, welder qualifications, Certificates of Compliance, material traceability and quality control inspection reporting as required in the Statement of Special Inspections. Perform a visual inspection of the cutting, layout, bolting and welding procedures. Perform visual inspections of completed members including dimensional verification, weld quality and conformance with the respective shop drawing. Perform non-destructive testing using the magnetic particle and/or ultrasonic methods, as required. A comprehensive report will be generated describing the observations of said inspection (per hour) \$ 125.00

**Plus, travel at fabrication rate, expenses & lodging, if applicable.**



**Of Massachusetts Inc.**  
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**Reinforcing Steel**

Services of an experienced inspector at the site to continuously monitor placement of reinforcing steel for spacing, size and grade as required, daily reporting.

(maximum day) \$ 440.00

(minimum day) \$ 230.00

**Erection**

Services of an experienced inspector at the site for the visual inspection of field welds and high strength bolting inspection at structural steel connections.

(maximum day) \$ 460.00

(minimum day) \$ 240.00

**Nondestructive Testing**

Services of an experienced inspector to perform ultrasonic, magnetic particle or dye penetrant testing in accordance with applicable standards.

(maximum day) \$ 560.00

(minimum day) \$ 300.00

**Light Gauge Metal Framing**

Services of an experienced inspector to verify type, size, quantity, location, details, and connections of framing members.

(maximum day) \$ 460.00

(minimum day) \$ 240.00

**ROOFING INSPECTION**

The services of an experienced technician for control and inspection of roofing in accordance with the job specifications and requirements; daily reporting.

(maximum day) \$ 500.00

(minimum day) \$ 260.00



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### **AIR VAPOR BARRIER THICKNESS TESTING**

Services of an experience technician to monitor the installation/application of liquid air vapor barrier, and perform thickness testing as material is being applied.

(maximum day)

\$ 540.00

(minimum day)

\$ 280.00

### **FIREPROOFING INSPECTION**

Services of an experienced inspector to observe application of fireproofing in accordance with specifications.

(maximum day)

\$ 440.00

(minimum day)

\$ 230.00

ASTM E605 Test Methods for Thickness and Density (per test)

\$ 30.00

ASTM E736 Test Methods for Cohesion/Adhesion (per test)

\$ 30.00

Laboratory Testing (per hour)

\$ 100.00

### **FIRESTOPPING INSPECTION**

#### **IFC Certified Inspector**

Services of an experienced **International Firestop Council (IFC) certified inspector** to visually inspect and test fire stop systems. Inspector will also review project plans and specifications as needed for compliance with,

ASTM E2174-Standard Practice of On-Site Inspection of Installed Fire Stops.

ASTM E2393-Standard Practice of On-Site Inspection of Installed Fire Resistive Joint Systems and Fire Barriers.

(per hour)

\$ 175.00

**In order for UTS to perform the required inspection and field testing for the on-site firestop systems, UTS needs a complete set of inspection documents, including the listed design for every firestop system that is in use on-site from each trade that is installing firestop, along with an on-site kick off meeting.**



**U T S of Massachusetts Inc.**  
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## **BITUMINOUS CONCRETE**

### Field Observation and Testing

The services of an experienced asphalt technician at the project site to observe placement of bituminous concrete, depth of binder and topcoat, observe compaction procedures and submit daily reports of these activities.

(maximum day)	\$ 400.00
(minimum day)	\$ 210.00

### Laboratory Analysis of Materials:

Extractions (per test)	\$ 125.00
Marshall Density Determinations (each)	\$ 125.00

## **WINDOW TESTING**

**See Attachment A**

**The final cost of testing services will be determined by the actual testing and inspections performed at the unit prices provided in the price proposal.**

**ESTIMATED COST OF TESTING & INSPECTIONS \$200,000.00**

U T S of Massachusetts, Inc. is an approved testing laboratory, License No. CTL-009, complying with all state regulations governing such certifications.

Testing and inspection can commence immediately. Please notify our office as to who will be requesting services covered by this proposal.

The above prices are based on the following conditions:

- A. Notification of inspection must be received twenty-four (24) hours prior to inspection for prompt service. Short notice and/or same day notifications are subject to a \$100.00 surcharge.
- B. Cancellation of scheduled inspection will be a minimum day rate unless notified four (4) hours in advance of scheduled inspection. Cancellation must be received during business hours only.



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- C. Overtime Monday through Friday will be at time and one-half rate. Saturdays, Sundays and Holidays will be billed at double time rate. Overtime will be billed anytime the workday exceeds 8 hours or if work is done outside of normal business hours. Normal business hours are Monday through Friday 7:00 AM to 5:00 PM.
- D. Multi-Service field inspection is when an inspector performs inspections for multiple services during a single site visit. Multi-Service field inspections will be billed at the higher rate of the two services. This service is as permitted by the daily workload.
- E. There will be no additional charges for mileage or any other expenses including parking. If parking is not provided by the project free of charge, it will be invoiced at cost plus a 10% charge.
- ~~F. Travel time to and from the project will be billed at the rate of \$50.00 per hour. A one (1) hour round trip will be charged.~~
- G. All lab work performed outside of normal business hours will be subject to a lab opening surcharge.
- H. Any changes to scheduled concrete cylinder breaks after they have been inventoried will be subject to an additional charge of \$25.00 per cylinder.
- I. Client agrees not to hire UTS personnel for at least one (1) year after completion of this contract.
- J. Up to six test reports to you for distribution. Please be aware that all of our reports are available as PDF files via email. Upon request for additional administrative work, reports needed to be uploaded into site specific formats are subject to administrative charge.
- K. The proposed prices on this proposal are valid for 90 days. After 90 days, if not agreed upon, the prices may be revisited and adjusted.
- ~~L. To the fullest extent permitted by law, Contractor/Owner shall indemnify, defend, and hold harmless UTS, UTS's consultants, and any agents and employees of each (with counsel acceptable to UTS) from and against any and all claims, damages, losses and expenses, for bodily injury, sickness, disease, or death or injury to or destruction of tangible property, including but not limited to all defense costs and attorney's fees, arising out of or resulting from performance of the work, including any and all alleged acts or omissions by UTS or its consultants, agents or employees, as well as those arising out of the acts or omissions of Contractor/Owner, an Architect, a Subcontractor, a Supplier, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, or any other person or entity regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Notwithstanding any other provision of this Agreement, such obligation shall be read to comply with applicable statutes and shall be extended to all circumstances referenced herein unless specifically prohibited by law. All obligations under this Section shall survive any termination of this Agreement.~~



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We appreciate the opportunity to be of service to you and we look forward to working with you on this project.

Please **SIGN** and **RETURN** accepted proposal prior to commencement of work, **THANK YOU**.

Sincerely,

U T S OF MASSACHUSETTS, INC.

Bryan M. Crabtree  
Head of Business Development & Operations Manager

ACCEPTED BY: \_\_\_\_\_

DATE: 6/13/22

P26602



**Of Massachusetts Inc.**  
**"The Construction Testing People"**

**ATTACHMENT A**

**Window, Door, & Curtain Wall Testing**

May 6, 2022

Re: Field Tests of Windows, Doors, and Curtain Wall  
Stoneham High School – 149 Franklin Street  
Stoneham, Massachusetts

Dear Mr. Seeley:

We are writing in response to your request for a proposal to perform air infiltration and/or water penetration testing on windows, doors and curtain walls installed at the above referenced project. Based upon our conversation, we propose to provide the following testing services.

We propose to perform air infiltration testing in general accordance with ASTM E783, "*Standard Test Method for Field Measurement of Air Leakage through Installed Exterior Windows and Doors,*" and water penetration testing in general accordance with ASTM E1105, "*Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Curtain Walls and Doors by Uniform or Cyclic Static Air Pressure Difference,*" or AAMA 502-12, "*Voluntary Specification for Field Testing of Newly Installed Fenestration Products.*" as well as AAMA 501.2 "*Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems.*" Testing will be conducted at the pressures stated in the specifications.

All tests shall be in accordance with the Specifications.

Access to the interior surfaces of the window/door/curtain walls, electrical connections, and water connections for our hoses located near the test areas are to be provided by others. Access to the exterior is also to be provided by others, i.e., lifts or staging. We recommend that interior finishes should not be installed at the test locations until after the tests are completed, or, if finishes are already in-place, such finishes should be removed. Any damage to paint and wall surfaces resulting from the attachment of the test chamber is to be repaired by others. Perimeter caulking beads shall be allowed to cure for a minimum of 72 hours prior to field testing of the window.

We request that representatives of the window/door/curtain wall installer, window/door/curtain wall manufacturer, and any other trades which are associated with the installation, such as the air/vapor barrier installer, weatherproofing contractor, and architect, be notified of these tests so that they may be present during testing. Upon completion of our tests, we will issue a written report detailing our tests and results for the window/door/curtain walls, and describing our observations of the testing.



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Our charges for these testing services for the windows, doors, and curtain walls, including the report, will be at a rate of \$2,800.00 per day. This is based upon a regular workday of eight hours (seven hours in the field and 1 hour to write the report) during the regular work week of Monday through Friday.

If a quantity of windows that can be tested in a day is provided, it is strictly an estimate based on ideal conditions. The amount of windows to be tested is subject to change due to variation of window size(s), interior and exterior window accessibility, and project conditions. Our charges for any other services, such as attendance of meetings, if required, will be invoiced for actual hours of service in accordance with "Schedule of Fees and Conditions," page which is hereby made part of this proposal. Reimbursable expenses, if any, will be invoiced at cost plus ten percent. Invoices will be submitted once a month for services performed during the previous month. Payment of our invoices will be due within thirty days of invoice date.

Note: On the occasion when UTS is on-site and windows cannot be tested for any reason, such as incomplete installation or lack of access, etc., resulting in a cancellation of the testing, a minimum charge of \$1,300.00 will be applied.

We appreciate the opportunity to submit our proposal and we will be pleased to be of service. If this proposal is acceptable to you, please sign the enclosed copy and return it to us for our files. In addition, please provide a job number or purchase order number, and the name and phone number of a billing contact.

Sincerely,  
UTS OF MASSACHUSETTS, INC.

Bryan M. Crabtree  
Head of Business Development & Operations Manager

ACCEPTED BY: \_\_\_\_\_

DATE: 6/13/22



**Of Massachusetts Inc.**  
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Schedule of Fees and Conditions

1. Fees for Weatherproofing Inspection and Testing Services

Our fees for weatherproofing consulting, inspection, and testing services are based on the time worked on the project by our staff, including travel time. Our charges for staff engineers, weatherproofing construction inspectors and testing technicians are for services performed during the regular work week, Monday through Friday, a full day consists of 7 hours in the field and 1 hour writing the report. Saturdays, Sundays, and/or Holidays will be invoiced at 2.0 times the rate.

2. Equipment and Services by Others

1. Access to the interior and exterior of the test area. This includes scaffolding, ladders, lifts as well as a lift operator or other means of access to the interior and exterior wall surfaces by our personnel for purposes of inspections and testing, if required, shall be provided by others.
2. Water supply and connections for our hoses for purposes of water testing, if required, shall be provided by others.
3. Labor and materials to make and repair openings in exterior and interior walls for purposes of our examinations, if required, shall be provided by others. **UTS shall not be responsible for any repair work for damage which may have resulted from testing.**
4. Pertinent project architectural drawings, shop drawings, specifications and related documentation shall be provided by others for our review.
5. If the exterior temperature is below 32° Fahrenheit, a tent and heater will be supplied by others to maintain the work area temperature above freezing.
6. When union are on a project and must be used, the union workers must be provided by others.
7. Onsite parking must be supplied for one fenestration testing vehicle.

3. Payment

10 days of receipt of payment by SMMA from Owner

Our invoices generally will be submitted once a month for services performed during the previous month. Payment of our invoices will be due within ~~thirty days of invoice date~~. If invoices are to be submitted and to be approved by other parties, including the architect, prior to payment, such parties shall use due diligence in processing the invoices and shall advise us promptly of any delays affecting their approval and payment.

April 14, 2022

Mr. Steven Crabtree (via [scrabtree@utsofmass.com](mailto:scrabtree@utsofmass.com))  
Mr. William Crabtree (via [wcrabtree@utsofmass.com](mailto:wcrabtree@utsofmass.com))  
UTS of Massachusetts, Inc.  
Five Richardson Lane  
Stoneham, Massachusetts 02180

**Re: Stoneham High School**

**Stoneham, Massachusetts**

*Testing and Inspection Services / Request for Proposals*

*SMMA No. 20033*

Dear Messrs. Crabtree:

We are writing to request your proposal for testing and inspection services on the above project.

The scope of the project involves the construction, approximately 207,077 gross square feet, of the new Stoneham High School on the site of the existing Stoneham High School housing grades 9-12 at 149 Franklin Street, Stoneham, Massachusetts 02180. Construction is anticipated to commence July 2022.

The scope of testing and inspection services are as defined in Attachment A, appended hereto and the Design Development Documents. Copies of the Design Development Documents can be downloaded using the following hyperlink: **[Design Development Pricing Set – February 28, 2022](#)**

Provide the unit price for each item of testing and inspection services. Unit prices shall include all associated costs such as travel, phone, deliveries and reproduction. Base proposal on the personnel, equipment and facilities required to perform testing and inspection services of the material quantities indicated on the Drawings or Specifications, and for the periods of time estimated to complete the various portions of the construction.

Submit current Certificate of Liability Insurance with proposal.

Provide unit prices and estimated number of tests and inspections to establish a cost range of services for the following. The list is not an all-inclusive listing of tests and inspections required for this work.

## **FIELD INSPECTION SERVICES**

### Soils

Experienced soils inspector for control of compaction operations and field density tests by the sand cone or nuclear method

\$380.-/day

Estimated number of days required

160

Subtotal estimated cost of Field Soils Compaction Testing

\$ 60,800.00

Asphalt

Thickness testing of the binder and wearing courses (+/-1/16 inch)	\$400.- /day
Estimated number of days required	<u>20</u>
Subtotal estimated cost of Asphalt Testing Services	<u>\$8,000.00</u>

Synthetic Turf Testing

Experienced licensed field inspector to perform drainage infiltration tests, double ring infiltrometer per ASTM F1551/EN 12616	\$340.- /day half
Estimated number of days required	<u>10/half days</u>
Experienced licensed field inspector to perform surface irregularity and planarity testing per EN 13036 Surface Planarity	\$N/A /day
Estimated number of days required	<u>N/A</u>
Subtotal estimated cost of Synthetic Turf Testing Services	<u>\$3,400.00</u>

Cast In Place Concrete

Inspect placement of reinforcing steel	\$440.- /day
Estimated number of days required	<u>100</u>
Experienced licensed field inspector to test plastic concrete for slump, air content, temperature and to fabricate 6"x12" test cylinders	\$380.- /day
Estimated number of days required	<u>140/4 x 8 cylinders</u>
Subtotal estimated cost of Field Concrete Testing Services	<u>\$53,200.00</u>

Concrete Floor Slab Placement

Inspect concrete slabs for flatness – regular time	\$750.- /day
Estimated number of regular time days required	<u>15</u>
Inspect concrete slabs for flatness – overtime	\$1,100/day
Estimated number of overtime days required	<u>0</u>
Subtotal estimated cost of Concrete Floor Slab Placement Testing Services	<u>\$11,250.00</u>

Masonry

Experienced masonry field inspector to monitor construction including mortar, grout, reinforcing, curing, etc.	\$400.- /day
Estimated number of days required	<u>10</u>
Subtotal estimated cost of Masonry Testing Services	<u>\$4,000.00</u>

Firestopping

Experienced firestopping field inspector to monitor firestopping construction	\$700.- /day half
Estimated number of days required	<u>30/half days</u>
Subtotal estimated cost of Firestopping Testing Services	<u>\$ 21,000.00</u>

Fireproofing

Experienced fireproofing field inspector to monitor fireproofing construction	\$440.- /day
Estimated number of days required	<u>50</u>
Subtotal estimated cost of Fireproofing Testing Services	<u>\$ 22,000.00</u>

Intumescent Paint

Experienced intumescent paint field inspector to monitor intumescent fireproofing construction	\$440.- /day
Estimated number of days required	<u>10</u>
Subtotal estimated cost of Intumescent Paint Testing Services	<u>\$ 4,400.00</u>

Structural Steel, Steel Joists and Steel Deck

Inspection of structural steel, steel joists and steel deck at the fabrication plant	\$1,000/day
Field inspection of steel joists including bridging, welding and bolting	\$240.- /day
Estimated number of days required	(5) Fab & 60/half days field
Field inspection of structural steel erection including welding and high strength bolting	\$240.- /day
Estimated number of days required	<u>20</u>
Field inspection of steel deck installation including welding and mechanical fasteners	\$240.- /day
Estimated number of days required	<u>10</u>
Non-destructive testing of full penetration welds	\$300.- /test <sup>half day</sup>
Estimated number of days required	<u>10/half days</u>
Subtotal estimated cost of Structural Steel Joists and Steel Deck Inspection Services	<u>\$ 29,600.00</u>

Exterior Walls

Field inspection of exterior light gauge metal framing and curtainwall systems for size, spacing and attachment	\$240.- /day half
Estimated number of days required	<u>10/half days</u>
Subtotal estimated cost of Exterior Walls Inspection Services	<u>\$ 2,400.00</u>

Air Vapor Barrier – Inspection

Experienced Air Vapor Barrier field inspector to monitor the Air Vapor Barrier construction and perform adhesion pull tests	\$280.- /day half
Estimated number of days required	10/half days
Subtotal Cost of Air Vapor Barrier Inspection Services	\$2,800.00

Air Vapor Barrier – Full Chamber Mockup Test

Experienced Air Vapor Barrier field inspector to perform both static and dynamic air pressure test	\$2,800/day
Estimated number of days required	2
Subtotal Cost of Air Vapor Barrier Full Chamber Services	\$4,600.00

Whole Building Air Leakage Test

Experienced Air Vapor Barrier field inspector to conduct whole building air leak test with blower doors	\$N/A /day
Estimated number of days required	N/A
Subtotal Cost of Air Vapor Barrier Whole Building Test Services	\$ 0

Air Vapor Barrier – Air Leakage Test

Experienced Air Vapor Barrier field inspector to perform Bubble Testing	\$1,000/day
Estimated number of days required	5
Subtotal estimated cost of Air Vapor Barrier Air Leakage Testing	\$5,000.00

Air Vapor Barrier – Smoke Test

Experienced Air Vapor Barrier inspector to perform Smoke Testing	\$280.- /day
Estimated number of days required	included above
Subtotal estimated cost of Air Vapor Barrier Smoke Testing	\$0

Windows

Experienced field inspector for window installation and testing	\$2,800/day
Estimated number of days required	3
Subtotal estimated cost of Windows Inspection and Testing Services	\$8,400.00

Curtainwall

Experienced field inspector for curtainwall installation and testing	\$280.- /day
Estimated number of days required	5
Subtotal estimated cost of Curtainwall Inspection and Testing Services	\$1,400.00

Unit Skylights

Experienced field inspector of unit skylight installation and testing	\$2,800./day
Estimated number of days required	<u>1</u>
Subtotal estimated cost of Unit Skylights Inspection and Testing Services	<u>\$ 2,800.00</u>

Framed Skylights

Experienced field inspector of framed skylight installation and testing	\$2,800./day
Estimated number of days required	included above
Subtotal estimated cost of Framed Skylights Inspection and Testing Services	<u>\$ 0</u>

Roofing

Inspection of roofing, flashing and accessories	\$260.- /day half
Estimated number of days required	<u>5/half days</u>
Subtotal estimated cost of Roofing Inspection Services	<u>\$ 1,300.00</u>

Roofing Systems

Experienced field inspector to conduct water flood testing of roof systems	\$N/A /day
Estimated number of days required	<u>N/A</u>
Subtotal estimated cost of Roofing Systems Flood Test Services	<u>\$ N/A</u>

**LABORATORY TESTING**

Soils

Washed Sieve Analysis (ASTM C36, C117)	\$120.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Washed Sieve Analysis Testing	<u>\$1,440.00</u>
Hydrometer Analysis (ASTM D422)	\$150.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Hydrometer Analysis Testing	<u>\$1,800.00</u>
Moisture Density Relation (ASTM D1557, D698)	\$135.- /test
Estimated number of tests required	<u>12</u>
Subtotal of Moisture Density Testing	<u>\$ 1,620.00</u>

Concrete

Concrete Test Cylinders (6"x12")	\$16.- /test
Estimated number of tests required	<u>1,890</u>
Subtotal of Concrete Cylinder Testing	<u>\$ 30,240.00</u>
Mix Design Review	\$N/A /ea
Estimated number of reviews required	<u>N/A</u>
Subtotal of Mix Design Review	<u>\$ N/A</u>

Masonry

Mortar Cubes (2") or cylinders (3"x6")	\$16.- /test
Estimated number of tests required	<u>80</u>
Subtotal of Mortar Cubes or Cylinder Testing	<u>\$ 1,280.00</u>
Prisms	\$ 50.- /test
Estimated number of tests required	<u>27</u>
Subtotal of Prisms Testing	<u>\$ 1,350.00</u>
<b>TOTAL OF ESTIMATED TESTING &amp; INSPECTION SERVICES</b>	<b><u>\$ 284,080.00</u></b>

**ADDITIONAL INFORMATION**

Multiple inspections performed by same inspector on same date \$ \* /day  
\*See conditions

The proposal shall include the following items:

- Resumes of Project Manager and Field Technicians proposed for the duration of the project.
- Documentation of insurance with the following limits: (i) professional liability insurances of not less than \$2,000,000 (ii) comprehensive general liability ("CGL") insurance of not less than \$1,000,000 (iii) statutory workers' compensation insurance coverage (iv) employer's liability insurance of not less than \$1,000,000 and (v) umbrella or excess liability insurance of not less than \$1,000,000 covering over the CGL and employer's liability coverage.
- List of similar projects completed in Massachusetts

Thank you for your interest in this proposal and we look forward to receiving your response to SMMA on or before May 6, 2022. Thank you.

Very truly yours,

**SMMA | Symmes Maini & McKee Associates**

Joel G. Seeley  
Project Director

cc: (MF)

enclosures: Attachment A – Scope of Services For Independent Laboratory Testing & Inspection

A DIVISION	B DESCRIPTION OF WORK	C MSBA CODE	D SCHEDULED VALUE	E WORK COMPLETED		G COMPLETED AND STORED TO DATE (D+E+F)	H % (G/C)	I BALANCE TO FINISH (C-G)	Retainage Held This Period	RETAINAGE	Retainage Billed	
				PREVIOUS APPLICATION	THIS APPLICATION							
					WORK IN PLACE							STORED MATERIAL
01	CM Fee	0502-0010	2,730,000.00	583,401.00	75,075.00	658,476.00	24%	2,071,524.00	3,753.75	32,923.80		
02	Bonds and Insurances	0502-0020	4,239,694.00	1,131,611.00		1,131,611.00	27%	3,108,083.00	-	56,580.55		
03	Total GMP Construction Contingency	0502-0030	4,152,138.55				0%	4,152,138.55	-			
03	Subtotal Allowances	0502-0030	1,885,537.00	8,248.65		8,248.65	0%	1,877,288.35	-	412.43		
01A	CM Staffing	0502-0100	4,185,190.00	2,629,385.00	247,054.00	2,876,439.00	69%	1,308,751.00	12,352.70	143,821.95		
01A	General Requirements	0502-0100	6,514,112.73	1,703,701.57	364,082.22	2,067,783.79	32%	4,446,328.94	18,204.11	103,389.19		
02	Existing Conditions	0502-0200	5,300,000.00				0%	5,300,000.00	-			
03	Concrete Subtotal	0502-0300	6,843,308.00	3,832,121.93	246,676.74	4,078,798.67	60%	2,764,509.33	12,333.84	203,939.93		
04	Masonry	0502-0400	5,164,000.00	141,650.00	58,850.00	200,500.00	4%	4,963,500.00	2,942.50	10,025.00		
05	Metals Subtotal	0502-0500	15,293,458.00	11,266,208.52	224,155.00	61,998.50	11,552,362.02	76%	3,741,095.98	11,207.75	577,618.10	
06	Wood, Plastic, and Composites	0502-0600	1,440,503.00				0%	1,440,503.00	-			
07	Thermal & Moisture Protection Subtotal	0502-0700	7,045,333.00	263,427.59	56,235.00	319,662.59	5%	6,725,670.41	2,811.75	15,983.13		
08	Doors & Windows Subtotal	0502-0800	6,660,295.00	202,583.75	4,500.00	207,083.75	3%	6,453,211.25	225.00	10,354.19		
09	Finishes Subtotal	0502-0900	15,741,559.00	613,645.00	699,900.00	1,313,545.00	8%	14,428,014.00	34,995.00	65,677.25		
10	Specialties Subtotal	0502-1000	1,652,962.00		500.00	500.00	0%	1,652,462.00	25.00	25.00		
11	Equipment Subtotal	0502-1100	2,767,930.00				0%	2,767,930.00	-			
12	Furnishings Subtotal	0502-1200	3,873,767.00				0%	3,873,767.00	-			
13	Special Construction	0502-1300					#DIV/0!		-			
14	Elevator Sub	0502-1400	815,339.00	10,000.00	113,332.50	123,332.50	15%	692,006.50	5,666.63	6,166.63		
21	Fire Suppression	0502-2100	1,709,200.00	63,980.00		63,980.00	4%	1,645,220.00	-	3,199.00		
22	Plumbing	0502-2200	6,580,000.00	851,170.00	194,735.00	1,045,905.00	16%	5,534,095.00	9,736.75	52,295.25		
23	HVAC	0502-2300	15,937,330.00	733,219.00	1,091,133.00	1,824,352.00	11%	14,112,978.00	54,556.65	91,217.60		
25	Integrated Automation	0502-2500	3,607,918.00				0%	3,607,918.00	-			
26	Electrical	0502-2600	18,537,020.00	1,943,758.45	484,500.00	2,428,258.45	13%	16,108,761.55	24,225.00	121,412.92		
27	Communications	0502-2700	341,935.00				0%	341,935.00	-			
28	Electronic Safety and Security	0502-2800	1,143,206.00	491,655.00	6,000.00	497,655.00	44%	645,551.00	300.00	24,882.75		
31	Earthwork Subtotal	0502-3100	31,150,637.00	10,386,452.43	915,050.00	11,301,502.43	36%	19,849,134.57	45,752.50	565,075.12		
32	Exterior Improvements Subtotal	0502-3200					#DIV/0!		-			
33	Utilities Subtotal	0502-3300					#DIV/0!		-			
-	<b>TOTAL BASE GMP CONTRACT AMOUNT</b>		<b>175,983,887.00</b>	<b>36,856,218.89</b>	<b>4,781,778.46</b>	<b>61,998.50</b>	<b>41,699,995.85</b>	<b>24%</b>	<b>134,283,891.15</b>	<b>242,188.85</b>	<b>2,084,999.79</b>	
	CO-01	0508-001	-				#DIV/0!		-			
	CO-02	0508-002	445,479.68	445,479.68		445,479.68	100%	-	-	22,273.98		
	CO-03	0508-003	87,729.18	87,729.18		87,729.18	100%	-	-	4,386.46		
	CO-04	0508-004	48,631.95	44,270.41		44,270.41	91%	-	-	2,213.52		
	CO-05	0508-005	58,132.50	58,132.50		58,132.50	100%	-	-	2,906.63		
	CO-06	0508-006	29,061.26	24,751.27		24,751.27	85%	-	-	1,237.56		
	CO-07	0508-007	26,201.30	21,505.52		21,505.52	82%	-	-			
	CO-08	0508-008	-				#DIV/0!		-			
	CO-09	0508-009	29,067.25	24,763.38		24,763.38	85%	-	-	1,238.17		
	CO-010	0508-010	5,629.56	1,596.00		1,596.00	28%	-	-			
	CO-011	0508-011	-				#DIV/0!		-			
	CO-012	0508-012	(197,221.38)	23,377.09		23,377.09	-12%	-	-			
	CO-013	0508-013	-									
	CO-014	0508-014	464,996.99	240,989.78	4,500.00	245,489.78	53%	-	-			
	CO-015	0508-015	-									
	CO-016	0508-016	16,072.91									
	CO-017	0508-017	-									
	CO-018	0508-018	(80,762.91)									
	CO-019	0508-019	-									
-	<b>TOTAL CHANGE ORDER AMOUNT</b>	0508-0000	<b>933,018.29</b>	<b>972,594.81</b>	<b>4,500.00</b>	-	<b>977,094.81</b>	<b>84%</b>	<b>(44,076.52)</b>	<b>225.00</b>	<b>48,854.74</b>	
	<b>TOTAL CONTRACT AMOUNT</b>		<b>176,916,905.29</b>	<b>37,828,813.70</b>	<b>4,786,278.46</b>	<b>61,998.50</b>	<b>42,677,090.66</b>	<b>24.12%</b>	<b>134,239,814.63</b>	<b>242,413.86</b>	<b>1,963,363.09</b>	

TO OWNER: **Town of Stoneham**  
**ATTN: Symmes Maini & McKee**  
**1000 Massachusetts Avenue**  
**Cambridge, MA 02138**

PROJECT: **Stoneham High School**

Invoice **14**  
 Draw  
 Application date: **8/31/2023**  
 Period ending date: **8/31/2023**

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	\$175,983,887.00
2. NET CHANGE BY CHANGE ORDERS	\$933,018.29
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$176,916,905.29
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$42,677,090.66
5. RETAINAGE:	
a. <u>4.60</u> % of Completed Work (Column D + E on G703)	\$ 1,960,510.84
b. <u>4.60</u> % of Stored Material (Column F on G703)	\$ 2,852.25
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$1,963,363.09
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$40,713,727.57
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$36,107,864.47
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$4,605,863.10
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$136,203,177.72

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	1,013,781.20	
Total approved this Month		-80,762.91
<b>TOTALS</b>	<b>933,018.29</b>	
NET CHANGES by Change Order	933,018.29	

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: 9/8/23

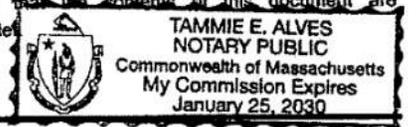
State of: **MA** County of: **Worcester**

On this the 8 day of September, 2023 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 truthful and accurate to the best of his/her knowledge and belief.

Notary Public: [Signature]  
 My Commission expires: 01/25/30



**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: .....\$ 4,605,863.10

(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: [Signature] Date: 2023.09.08

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 **14**  
 Draw  
 Application date: **8/31/2023**  
 Period ending date: **8/31/2023**

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		E MATERIALS PRESENTLY STORED (NOT IN D / E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
1-000	Stoneham High School	1-000										
1-001	General Conditions	1-001	4,203,362.00	-18,172.00	4,185,190.00	2,629,385.00	247,054.00		2,876,439.00	68.73	1,308,751.00	143,821.95
1-002	General Requirements	1-002	2,308,180.00	503,849.26	2,812,029.26	512,882.95	46,070.22		558,953.17	19.88	2,253,076.09	27,947.67
1-099	Riggs General Requirements	1-099	3,189,202.00	322,702.47	3,511,904.47	932,449.62	208,812.00		1,141,261.62	32.50	2,370,642.85	57,063.09
1-220	Temporary Fence	1-220	258,369.00	276,500.00	534,869.00	258,369.00	109,200.00		367,569.00	68.72	167,300.00	18,378.45
1-910	Consigli Payment & Perf Bond	1-910	943,675.00		943,675.00	943,675.00			943,675.00	100.00		47,183.75
1-920	Builder's Risk Insurance	1-920	267,405.00		267,405.00	187,936.00			187,936.00	70.28	79,469.00	9,396.80
1-930	General Liability	1-930	1,871,881.00		1,871,881.00						1,871,881.00	
1-940	Subcontractor Default Insuranc	1-940	1,156,733.00		1,156,733.00						1,156,733.00	
2-001	Selective Demolition Sub	2-001	4,813,000.00	344,000.00	5,157,000.00						5,157,000.00	
2-012	Vinyl Asbestos Tile (VAT)	2-012	487,000.00	-487,000.00								
2-014	AddedAbatement Testing - Hold	2-014		10,000.00	10,000.00						10,000.00	
2-401	General Site Excavation Sub	2-401	21,886,458.00	-804,763.76	21,081,694.24	8,351,552.43	915,050.00		9,266,602.43	43.96	11,815,091.81	292,838.61
2-402	Crane Pads	2-402		10,000.00	10,000.00						10,000.00	
2-403	Dewatering Test/Treat/Discharg	2-403		25,000.00	25,000.00						25,000.00	
2-404	Verify Ext Utility	2-404		15,000.00	15,000.00						15,000.00	
2-405	Utility Tie in Trailer	2-405		7,500.00	7,500.00						7,500.00	
2-406	Video Inspect Sewer	2-406		10,000.00	10,000.00						10,000.00	
2-407	Asphalt Paving	2-407		20,000.00	20,000.00						20,000.00	
2-408	Traffic Control / Signage	2-408		10,000.00	10,000.00						10,000.00	
2-409	Fire Watch - Blasting	2-409										
2-410	Temp Access to Lot	2-410										
2-411	Refeed Elect to Irrigation	2-411		7,500.00	7,500.00						7,500.00	
2-412	Rework Ext Irrigation	2-412		274.22	274.22						274.22	
2-414	Phase 2 Fence & Gates - Hold	2-414										
2-415	Ext Owner Salvage Items - Hold	2-415		10,000.00	10,000.00						10,000.00	
2-416	Steel Plate Prot at DBs - Hold	2-416		5,000.00	5,000.00						5,000.00	
2-417	Binder Course Maint - Hold	2-417		15,000.00	15,000.00						15,000.00	
2-418	Vibration Monitoring - Hold	2-418		40,000.00	40,000.00						40,000.00	
2-419	Main Erosion Control - Hold	2-419		15,000.00	15,000.00						15,000.00	
2-420	Dewater Testing-Treat - Hold	2-420		5,000.00	5,000.00						5,000.00	
2-422	Neighborhood Concerns - Hold	2-422		20,000.00	20,000.00						20,000.00	
2-423	Video Inspections - Hold	2-423		5,000.00	5,000.00						5,000.00	
2-424	Street Sweeping - Hold	2-424		39,000.00	39,000.00						39,000.00	
2-425	Furnish (2) El/Tele Manholes -	2-425		24,000.00	24,000.00						24,000.00	
2-426	Utility Verification - Hold	2-426		10,000.00	10,000.00						10,000.00	
2-790	Geothermal Wells	2-790	2,270,760.00	-162,860.00	2,107,900.00	2,034,900.00			2,034,900.00	96.54	73,000.00	101,745.02
2-792	HOLD - Additional Dewatering	2-792		100,000.00	100,000.00						100,000.00	

**CONTINUATION SHEET**

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

Invoice **14**  
 Draw  
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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		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
2-816	MAROIS - Asphalt Paving at Tra	2-816		18,172.00	18,172.00						18,172.00	
2-890	Synthetic Athletic Surfacing	2-890	2,269,200.00		2,269,200.00						2,269,200.00	
2-920	Fencing	2-920	981,960.00		981,960.00						981,960.00	
2-970	Landscaping Subcontractor	2-970	4,161,955.00	-397,755.00	3,764,200.00						3,764,200.00	
2-971	Tree & Plant Protection - Hold	2-971		5,000.00	5,000.00						5,000.00	
2-972	Additional Layout - Hold	2-972		15,000.00	15,000.00						15,000.00	
2-973	Sleeve Mobilization - Hold	2-973		5,000.00	5,000.00						5,000.00	
2-974	Arborist Tree Pruning - Hold	2-974		5,000.00	5,000.00						5,000.00	
2-975	Watering Truck - Hold	2-975		15,000.00	15,000.00						15,000.00	
2-976	Out of Season Warranty - Hold	2-976		10,000.00	10,000.00						10,000.00	
2-977	Maintain Wetland Protection -	2-977		10,000.00	10,000.00						10,000.00	
2-978	Bottle Filling Station - Hold	2-978		16,000.00	16,000.00						16,000.00	
2-979	Temp. Landscape Work - Hold	2-979		20,000.00	20,000.00						20,000.00	
2-980	Turf Reinforcement - Hold	2-980		5,000.00	5,000.00						5,000.00	
2-981	Premium Time - Hold	2-981		15,000.00	15,000.00						15,000.00	
2-982	Arborist/Soil Scientist - Hold	2-982		5,000.00	5,000.00						5,000.00	
3-060	Concrete Walkways	3-060	1,963,300.00	-165,300.00	1,798,000.00						1,798,000.00	
3-061	Add'l Mobilizations - Hold	3-061		10,000.00	10,000.00						10,000.00	
3-062	Wash Out Dumpster - Hold	3-062		11,500.00	11,500.00						11,500.00	
3-063	Additional Layout - Hold	3-063		15,000.00	15,000.00						15,000.00	
3-064	Ext. Concrete Stairs - Hold	3-064		50,000.00	50,000.00						50,000.00	
3-110	Concrete Subcontractor	3-110	4,936,800.00	-72,567.24	4,864,232.76	3,832,121.93	246,676.74		4,078,798.67	83.85	785,434.09	203,939.94
3-112	HOLD - Floor Prot at Polished	3-112		20,000.00	20,000.00						20,000.00	
3-113	HOLD - Foundation Insulation	3-113		30,000.00	30,000.00						30,000.00	
4-101	Masonry Trade Contractor	4-101	5,164,000.00		5,164,000.00	141,650.00	58,850.00		200,500.00	3.88	4,963,500.00	10,025.00
5-120	Structural Steel subcontractor	5-120	11,858,044.00	-238,273.85	11,619,770.15	11,107,402.27	203,550.00		11,310,952.27	97.34	308,817.88	565,547.62
5-121	Structural Steel - Stadium	5-121		270,000.00	270,000.00						270,000.00	
5-122	HOLD - Additional Safety	5-122		45,000.00	45,000.00						45,000.00	
5-123	Struc Steel BP2 Modifications	5-123	400,000.00	-265,996.12	134,003.88						134,003.88	
5-501	Miscellaneous Metals Sub	5-501	3,234,000.00	541.50	3,234,541.50	158,806.25	20,605.00	61,998.50	241,409.75	7.46	2,993,131.75	12,070.50
5-810	Expansion Joint Covers	5-810	26,458.00		26,458.00						26,458.00	
6-601	Finish Carpentry	6-601	1,440,503.00	-1,440,503.00								
7-101	Waterproofing Subcontractor -	7-101	53,453.00	81,178.00	134,631.00	72,754.20			72,754.20	54.04	61,876.80	3,637.71
7-102	WP & Sealants Trade Contractor	7-102	1,228,518.00		1,228,518.00	137,288.64	10,000.00		147,288.64	11.99	1,081,229.36	7,364.43
7-475	Metal Siding	7-475	723,000.00	105,957.00	828,957.00	4,400.00			4,400.00	0.53	824,557.00	220.00
7-501	Membrane Roofing Sub	7-501	3,396,000.00		3,396,000.00						3,396,000.00	
7-810	Fireproofing	7-810	1,319,684.00	-169,684.00	1,150,000.00	48,984.75	46,235.00		95,219.75	8.28	1,054,780.25	4,760.99
7-811	Perimeter Fireproofing - Hold	7-811		20,000.00	20,000.00						20,000.00	
7-812	Fireproofing Patching - Hold	7-812		100,000.00	100,000.00						100,000.00	

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Invoice **14**  
 Draw  
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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
7-813	FP Added Mobilizations - Hold	7-813		15,000.00	15,000.00						15,000.00	
7-840	Firestopping	7-840	243,500.00	-88,500.00	155,000.00						155,000.00	
7-841	Addl Perimeter Firesafing-Hold	7-841		10,000.00	10,000.00						10,000.00	
7-842	Add Pene. Firesafing - Hold	7-842		36,000.00	36,000.00						36,000.00	
7-843	Putty Pads - Hold	7-843		39,000.00	39,000.00						39,000.00	
8-001	Doors/Frame/Hardware Supplier	8-001	1,505,576.00	36,469.00	1,542,045.00		4,500.00		4,500.00	0.29	1,537,545.00	225.00
8-002	Temp Exterior Doors - Hold	8-002		25,000.00	25,000.00						25,000.00	
8-003	Temp Locks & Cores - Hold	8-003		5,000.00	5,000.00						5,000.00	
8-004	D/F/H Protection - Hold	8-004		7,500.00	7,500.00						7,500.00	
8-005	083483 - Floor Doors - Hold	8-005		5,000.00	5,000.00						5,000.00	
8-360	Overhead Doors	8-360	944,119.00	-194,119.00	750,000.00	112,500.00			112,500.00	15.00	637,500.00	5,625.00
8-361	Access Panels - Hold	8-361		10,000.00	10,000.00						10,000.00	
8-362	Low Voltage Wiring - Hold	8-362		25,000.00	25,000.00						25,000.00	
8-370	Accordian Fire Doors	8-370		120,411.00	120,411.00						120,411.00	
8-371	Vision Panels - Hold	8-371		5,000.00	5,000.00						5,000.00	
8-401	Alum Entrances/Storefront Sub	8-401	3,454,600.00	5,836.00	3,460,436.00	76,643.75			76,643.75	2.21	3,383,792.25	3,832.19
8-403	Sliding Entrances	8-403	20,000.00		20,000.00						20,000.00	
8-801	Glass & Glazing	8-801	736,000.00		736,000.00	13,440.00			13,440.00	1.83	722,560.00	672.00
9-220	Drywall Subcontractor	9-220	9,676,889.00	355,911.00	10,032,800.00	538,500.00	699,900.00		1,238,400.00	12.34	8,794,400.00	61,920.00
9-221	Trade Support	9-221	1,286,762.00		1,286,762.00						1,286,762.00	
9-225	Hold - Added Blocking Unident	9-225		50,000.00	50,000.00						50,000.00	
9-226	Hold - Spray Insulation	9-226		75,000.00	75,000.00						75,000.00	
9-227	Hold - Acous Seal at MEP Pens	9-227		100,000.00	100,000.00						100,000.00	
9-228	Hold - Misc Patching	9-228		30,000.00	30,000.00						30,000.00	
9-229	Hold -Layout Track Prior to FP	9-229		25,000.00	25,000.00						25,000.00	
9-301	Tile Subcontractor	9-301	810,999.00		810,999.00						810,999.00	
9-501	Acoustical Ceilings Sub	9-501	1,899,900.00		1,899,900.00	57,645.00			57,645.00	3.03	1,842,255.00	2,882.25
9-608	Polished Concrete Flooring	9-608	175,175.00	-47,082.00	128,093.00						128,093.00	
9-609	Floor Protection - Hold	9-609		12,825.00	12,825.00						12,825.00	
9-640	Wood Flooring	9-640	602,258.00	-142,854.00	459,404.00						459,404.00	
9-642	Protect Gym Floor - Hold	9-642		15,716.00	15,716.00						15,716.00	
9-643	Protect Performance Flr - Hold	9-643		3,543.00	3,543.00						3,543.00	
9-650	Resilient Flooring Sub	9-650	985,975.00		985,975.00						985,975.00	
9-670	Seamless Flooring & Base	9-670	363,240.00	-131,950.00	231,290.00						231,290.00	
9-671	Floor Protection - Hold	9-671		9,975.00	9,975.00						9,975.00	
9-680	Carpet Subcontractor	9-680	338,123.00	2,276.00	340,399.00						340,399.00	
9-681	Floor Protection - Hold	9-681		23,674.00	23,674.00						23,674.00	
9-682	Additional Floor Prep - Hold	9-682		50,000.00	50,000.00						50,000.00	
9-901	Painting Subcontractor	9-901	889,000.00		889,000.00	17,500.00			17,500.00	1.97	871,500.00	875.00

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
10-201	Louver Supply	10-201		23,500.00	23,500.00						23,500.00	
10-202	Louver Install	10-202		20,800.00	20,800.00						20,800.00	
10-401	Signage	10-401	105,012.00	-657.00	104,355.00						104,355.00	
10-605	Wire Mesh Partitions	10-605	81,130.00		81,130.00						81,130.00	
10-650	Operable Partitions	10-650	51,000.00	17,000.00	68,000.00		500.00		500.00	0.74	67,500.00	25.00
10-949	NEIS Specialties	10-949		127,930.00	127,930.00						127,930.00	
10-950	Miscellaneous Specialties	10-950	1,415,820.00	-222,520.00	1,193,300.00						1,193,300.00	
10-951	Additional Blocking - Hold	10-951		10,000.00	10,000.00						10,000.00	
11-060	Theater Equipment	11-060	767,418.00	213,205.90	980,623.90						980,623.90	
11-061	Theater Low Volt Wiring - Hold	11-061		10,000.00	10,000.00						10,000.00	
11-062	Additional Scaffolding - Hold	11-062										
11-401	Food Service Equipment	11-401	1,377,274.00	-186,271.00	1,191,003.00						1,191,003.00	
11-402	FSE Connections - Hold	11-402		35,000.00	35,000.00						35,000.00	
11-403	FSE MEP Coordination - Hold	11-403		25,000.00	25,000.00						25,000.00	
11-404	FSE Kitchen Protection - Hold	11-404		25,000.00	25,000.00						25,000.00	
11-405	FSE- Low Voltage Wiring - Hold	11-405		25,000.00	25,000.00						25,000.00	
11-450	Residential Appliances	11-450	104,922.00	-37,879.00	67,043.00						67,043.00	
11-451	Res. Appliances - DEC	11-451		9,298.00	9,298.00						9,298.00	
11-452	Res. Appliance Install - Riggs	11-452		28,874.00	28,874.00						28,874.00	
11-453	Res. Appliance Esc. - Hold	11-453		6,800.00	6,800.00						6,800.00	
11-480	Gymnasium Equipment	11-480	518,316.00	189,963.00	708,279.00						708,279.00	
11-481	Add'l Layout - Gym Ep. - Hold	11-481		20,000.00	20,000.00						20,000.00	
11-482	Floor Protection - Hold	11-482		5,000.00	5,000.00						5,000.00	
11-483	Supplemental Steel - Hold	11-483		5,000.00	5,000.00						5,000.00	
11-484	Floor Protection - Hold	11-484		10,000.00	10,000.00						10,000.00	
11-485	Additional Blocking - Hold	11-485		7,500.00	7,500.00						7,500.00	
12-320	Wood Casework	12-320	1,626,800.00	765,700.00	2,392,500.00						2,392,500.00	
12-321	Additional Blocking - Hold	12-321		35,000.00	35,000.00						35,000.00	
12-322	Countertop Protection - Hold	12-322		15,000.00	15,000.00						15,000.00	
12-323	Humidity Control - Hold	12-323		35,000.00	35,000.00						35,000.00	
12-324	Premium Time - Hold	12-324		50,000.00	50,000.00						50,000.00	
12-325	Incubator-Autoclave Hold	12-325		40,000.00	40,000.00						40,000.00	
12-490	Window Treatments	12-490	161,500.00	-3,500.00	158,000.00						158,000.00	
12-491	WT Final Connections - Hold	12-491		3,500.00	3,500.00						3,500.00	
12-610	Auditorium Seating	12-610	328,008.00	-399,416.00	-71,408.00						-71,408.00	
12-615	Exterior Field Bleachers	12-615	1,335,700.00	35,500.00	1,371,200.00						1,371,200.00	
12-620	Telescoping Indoor Bleachers	12-620	421,759.00		421,759.00						421,759.00	
14-210	Electric Elevator	14-210	385,339.00	-7,564.00	377,775.00		113,332.50		113,332.50	30.00	264,442.50	5,666.63
14-211	HOLD - Elev Operator for Const	14-211		7,564.00	7,564.00						7,564.00	

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

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A ITEM NO.	B DESCRIPTION OF WORK	ORIGINAL BUDGET	APPROVED CHANGE ORDERS	APPROVED TRANSFERS	C SCHEDULED VALUE	D WORK COMPLETED		E MATERIALS PRESENTLY STORED (NOT IN D / E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
14-212	Delta Becjwith Elev & Lifts	14-212			430,000.00	10,000.00			10,000.00	2.33	420,000.00	500.00
15-301	Fire Protection Subcontractor	15-301			1,709,200.00	63,980.00			63,980.00	3.74	1,645,220.00	3,199.00
15-401	Plumbing Subcontractor	15-401		6,550.81	6,586,550.81	851,170.00	194,735.00		1,045,905.00	15.88	5,540,645.81	52,295.25
15-501	HVAC Subcontractor	15-501		3,239.75	15,216,239.75	733,219.00	1,091,133.00		1,824,352.00	11.99	13,391,887.75	91,217.60
15-502	HVAC Unincorporated Scope	15-502			724,330.00						724,330.00	
15-901	Heat Recovery Chiller	15-901			505,400.00						505,400.00	
15-902	HRU and MAU	15-902			3,102,518.00						3,102,518.00	
16-001	Electrical Subcontractor	16-001		-323,654.39	397,319.61	715,350.45	484,500.00		1,199,850.45	301.99	-802,530.84	59,992.53
16-101	Wayne Griffin Elec (TS)	16-101			17,804,700.00	1,228,408.00			1,228,408.00	6.90	16,576,292.00	61,420.40
16-102	Elec Unincorporated Scope	16-102			341,935.00						341,935.00	
16-901	Switchgear	16-901		167,528.00	671,582.00	474,633.00			474,633.00	70.67	196,949.00	23,731.65
16-902	Emergency Generator	16-902			639,152.00	17,022.00	6,000.00		23,022.00	3.60	616,130.00	1,151.10
19-001	Contingency #1	19-001		-373,153.69	3,624,471.31						3,624,471.31	
19-002	Contingency #2	19-002		362,388.10	362,388.10						362,388.10	
24-001	ALL #1 - Temp Electricity Cons	24-001		-149,999.58	0.42	5,431.25			5,431.25	293.154	-5,430.83	271.56
24-002	ALL #2 - Winter Conditions	24-002		-379,008.05	-79,008.05						-79,008.05	
24-003	ALL #3 - Police Details	24-003		-15,380.00	32,620.00						32,620.00	
24-004	ALL #4 Dumpsters	24-004				2,817.40			2,817.40		-2,817.40	140.87
24-005	Ledge/Rock remove-Tennis Court	24-005										
24-006	Over Exc/Struc Fill-Foundation	24-006		100,000.00	100,000.00						100,000.00	
24-007	PreBlast Permit/Survey/Monitor	24-007		25,000.00	25,000.00						25,000.00	
24-008	Maintain Erosion Control	24-008		25,000.00	25,000.00						25,000.00	
24-009	Jersey Barrier at Parking Lot	24-009		20,000.00	20,000.00						20,000.00	
24-010	Remove UG Obstructions	24-010		3,938.94	3,938.94						3,938.94	
24-011	Protect/Fill Elect Ductbank	24-011		15,000.00	15,000.00						15,000.00	
24-012	Fuel Costs Allowance	24-012		100,000.00	100,000.00						100,000.00	
24-013	Geothermal Dewatering Ponds	24-013		25,000.00	25,000.00						25,000.00	
24-014	ALLOWANCE - Winter Conditions	24-014		38,588.00	38,588.00						38,588.00	
24-015	ALLOWANCE - Addtl MEP/Housekee	24-015		15,000.00	15,000.00						15,000.00	
24-016	ALLOWANCE - Beam Penetrations	24-016		55,909.42	55,909.42						55,909.42	
24-017	ALLOWANCE - Touchup Thermal (A	24-017		40,000.00	40,000.00						40,000.00	
24-018	ALLOWANCE - Mock-Up	24-018										
24-019	All #4 Dumpsters	24-019		194,985.00	-194,985.00							
24-020	AA #5 - Waterproofing	24-020		75,000.00	-75,000.00							
24-021	All #6 - Water Consumption	24-021		40,000.00	-40,000.47	-0.47					-0.47	
24-022	ALLOWANCE-Temp Heat System	24-022		250,000.00	250,000.00						250,000.00	
24-023	ALLOWANCE-Temp Heat Fuel	24-023		90,000.00	90,000.00						90,000.00	
24-024	ALLOWANCE-Weather Protection	24-024		108,000.00	108,000.00						108,000.00	
24-025	ALLOWANCE-Precast Treads	24-025		100,000.00	100,000.00						100,000.00	



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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)			
CR-030	Coordination with BP#1 and BP#	CR-030	23,785.27		23,785.27	23,785.27			23,785.27	100.00		1,189.26
	CO-06 TOTAL		29,061.26	.00	29,061.26	24,751.27		.00	24,751.27	85.17	4,309.99	1,237.56
	<u>CO-07</u>											
CR-034	Added Rock Hammering within Bu	CR-034	14,573.49		14,573.49	14,573.49			14,573.49	100.00		728.67
CR-037	Existing School Foundation and	CR-037	3,480.56		3,480.56	3,480.56			3,480.56	100.00		174.03
CR-040	ASI-007 Beam Geometry & Locati	CR-040										
CR-041	PR-013 Revised HSS at EXT-1.1	CR-041	3,451.47		3,451.47	3,451.47			3,451.47	100.00		172.57
CR-044	PR-016 Canopy Deck Edge Clarif	CR-044										
CR-045	RFI-102 (PR-017) Conduit Mater	CR-045	4,695.78		4,695.78						4,695.78	
	CO-07 TOTAL		26,201.30	.00	26,201.30	21,505.52		.00	21,505.52	82.08	4,695.78	1,075.27
	<u>CO-09</u>											
CR-013	PR-002R1 Canopy Framing Revisi	CR-013	10,594.03		10,594.03	6,290.16			6,290.16	59.37	4,303.87	314.51
CR-024	ASI-006R1 Conformed Set Clarif	CR-024										
CR-069	RFI-105 T&M Water Line Relocat	CR-069	18,473.22		18,473.22	18,473.22			18,473.22	100.00		923.66
	CO-09 TOTAL		29,067.25	.00	29,067.25	24,763.38		.00	24,763.38	85.19	4,303.87	1,238.17
	<u>CO-10</u>											
CR-039	PR-012 Grease Trap Footing &	CR-039	5,629.56		5,629.56	1,596.00			1,596.00	28.35	4,033.56	79.80
	CO-10 TOTAL		5,629.56	.00	5,629.56	1,596.00		.00	1,596.00	28.35	4,033.56	79.80
	<u>CO-11</u>											
CR-080	Subcontractor Change Order Mar	CR-080										
	CO-11 TOTAL		.00	.00				.00				
	<u>CO-12</u>											
CR-053	PR-020 Structural and Concrete	CR-053	-4,412.52		-4,412.52						-4,412.52	
CR-064	PR-028 Drainage North of Main	CR-064	34,705.90		34,705.90	22,028.00			22,028.00	63.47	12,677.90	1,101.40
CR-071	PR-030 & PR-039 Electrical VE	CR-071	-233,010.00		-233,010.00						-233,010.00	
CR-072	PR-034 Spartan Place Concrete	CR-072	2,590.11		2,590.11						2,590.11	
CR-075	PR-035 - LULA Pit Changes	CR-075	1,556.04		1,556.04						1,556.04	
CR-086	Landscape Boulder Sort-Stockpi	CR-086	1,349.09		1,349.09	1,349.09			1,349.09	100.00		67.45
	CO-12 TOTAL		-197,221.38	.00	-197,221.38	23,377.09		.00	23,377.09	11.85	-220,598.47	1,168.85
	<u>CO-14</u>											
CR-058	ASI-016 Elevator Sump Piping C	CR-058	10,076.05		10,076.05						10,076.05	
CR-063	PR-022 Structural Scope Reduct	CR-063	-2,361.30		-2,361.30						-2,361.30	
CR-068	PR-032 Thermal Coating & Struc	CR-068	-100,499.10		-100,499.10						-100,499.10	
CR-076	PR-038 Coating Revision - Aero	CR-076	-5,844.52		-5,844.52						-5,844.52	
CR-082	PR-031 Area D Relieving Angle	CR-082	7,049.15		7,049.15						7,049.15	
CR-089	PR-033 Scope Development	CR-089	329,086.56		329,086.56	230,415.00			230,415.00	70.02	98,671.56	11,520.75
CR-090	PR-049 Auditorium Concrete Ris	CR-090	-1,635.24		-1,635.24						-1,635.24	
CR-092	PR-023 Civil Drainage Update	CR-092	-3,487.00		-3,487.00						-3,487.00	
CR-093	PR-037 Electrical Site Plan Cl	CR-093	204,030.88		204,030.88	10,574.78	4,500.00		15,074.78	7.39	188,956.10	753.74

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)			
CR-099	CCD-001 Fire Protection System	CR-099	28,581.51		28,581.51						28,581.51		
	CO-014 TOTAL		464,996.99	.00	464,996.99	240,989.78	4,500.00	.00	245,489.78	52.79	219,507.21	12,274.49	
	<u>CO-016</u>												
CR-104	PR-062 - Glass Type Revisions	CR-104	-3,703.00		-3,703.00						-3,703.00		
CR-107	Site Security Camera	CR-107	19,775.91		19,775.91						19,775.91		
	CO-016 TOTAL		16,072.91	.00	16,072.91			.00			16,072.91		
	<u>CO-018</u>												
CR-047	PR-014 Area D Facade Support R	CR-047	-35,202.24		-35,202.24						-35,202.24		
CR-078	PR-040R1 Foodservice Commercia	CR-078	-7,982.92		-7,982.92						-7,982.92		
CR-097	PR-052 AV RFIs 209 & 210	CR-097	5,847.49		5,847.49						5,847.49		
CR-098	PR-055 Fireproofing Revisions	CR-098	-36,507.00		-36,507.00						-36,507.00		
CR-112	Power Study & Panel Revisions	CR-112	9,078.51		9,078.51						9,078.51		
CR-114	PR-058 - Fan Coil Box Electric	CR-114	-996.75		-996.75						-996.75		
CR-131	Duct Credit	CR-131	-15,000.00		-15,000.00						-15,000.00		
	CO-018 TOTAL		-80,762.91	.00	-80,762.91			.00			-80,762.91		
<b>GRAND TOTALS</b>			175,983,887.00	933,018.29	.00	176,916,905.29	37,828,813.70	4,786,278.46	61,998.50	42,677,090.66	24.12	134,239,814.63	1,963,363.09

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

## NEW STONEHAM HIGH SCHOOL, STONEHAM, MASSACHUSETTS

### Change Order Budget Summary

Change Order No.	Change Order Amount	Owner's Contingency Budget	
		<b>\$7,670,933.00</b>	<b>Original PFA Budget - August 18, 2021</b>
		<b>-\$450,000.00</b>	<b>60% Construction Documents Cost Estimate Reallocation</b>
		<b>-\$1,422,792.00</b>	<b>90% Construction Documents Cost Estimate Reallocation</b>
		<b>\$1,872,792.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$0.00		CR-001
2	\$445,479.68		CR-008
3	\$87,729.18		CR-007
4	\$48,631.95		CR-003; CR-014; CR-017; CR-018
5	\$58,132.50		CR-005; CR-016; CR-021; CR-025
6	\$29,061.26		CR-012; CR-027; CR-029; CR-030
7	\$26,201.30		CR-034; CR-037; CR-040; CR-041; CR-044; CR-045
8	\$0.00		NA
9	\$29,067.25		CR-013; CR-024; CR-069
10	\$5,629.56		CR-039
11	\$0.00		CR-080
12	-\$197,221.38		BT-017; CR-064; CR-071; CR-072; CR-075; CR-086
13	\$0.00		NA
14	\$464,996.99		CR-058; CR-063; CR-068; CR-076; CR-082; CR-089; CR-090; CR-092; CR-093; CR-099
15	\$0.00		NA
16	\$16,072.91		CR-104; CR-107
17	\$0.00		NA
18	-\$80,762.91		CR-047; CR-078; CR-097; CR-098; CR-112; CR-114; CR-131
19	\$0.00		NA
20	\$155,357.15		CR-087; CT-096; CR-115; CR-117; CR-122; CR-123; CR-126; CR-129; CR-138
<b>Change Order Total</b>		<b>Budget Total</b>	<b>Budget Balance</b>
<b>TOTAL</b>	<b>\$1,088,375.44</b>	<b>\$7,670,933.00</b>	<b>\$6,582,557.56</b>

### GMP Contingency Budget Summary

Change Order No.	Contingency Transfer Amount	GMP Contingency Budget	
		<b>\$224,845.00</b>	<b>Amendment No. 1 - Early Site Package</b>
		<b>\$430,413.00</b>	<b>Amendment No. 2 - Concrete and Steel</b>
		<b>\$118,778.00</b>	<b>Amendment No. 3 - Equipment PrePurchase</b>
		<b>\$28,268.00</b>	<b>Amendment No. 4 - Storm System and PV Ductbank</b>
		<b>\$3,195,321.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$ -		NA
2	\$ -		NA
3	\$ 33,300.00		CT-008
4	\$ 6,762.33		CT-006; CT-011
5	\$ 3,450.12		CT-003
6	\$ -		NA
7	\$ 6,000.00		CT-015
8	\$ -		NA
9	\$ 30,687.97		CT-001; CT-004; CT-005; CT-013; CT-014
10	\$ -		NA
11	\$ -		NA
12	\$ 12,264.95		CT-018; CT-020
13	\$ -		NA
14	\$ 233,750.00		CT-023
15	\$ -		NA
16	\$ (66,222.00)		CT-024
17	\$ -		NA
18	\$ 12,069.82		CT-026; CT-027; CT-028; CT-029; CT-030; CT-033; CT-035; CT-037
19	\$ -		NA
20	\$ 27,167.00		CT-031; CT-034;
<b>Contingency Transfer Total</b>		<b>GMP Contingency Total</b>	<b>Contingency Balance</b>
<b>TOTAL</b>	<b>\$299,230.19</b>	<b>\$3,997,625.00</b>	<b>\$3,698,394.81</b>

## NEW STONEHAM HIGH SCHOOL, STONEHAM, MASSACHUSETTS

### Allowance Budget Summary

Change Order No.	Allowance Amount	Allowance Budget	
		<b>\$990,000.00</b>	<b>Amendment No. 1 - Early Site Package</b>
		<b>\$275,000.00</b>	<b>Amendment No. 2 - Concrete and Steel</b>
		<b>\$0.00</b>	<b>Amendment No. 3 - Equipment PrePurchase</b>
		<b>\$0.00</b>	<b>Amendment No. 4 - Storm System and PV Ductbank</b>
		<b>\$2,545,800.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$ 4,000.00		AT-001
2	\$ 685,000.00		AT-004; AT-007
3	\$ -		NA
4	\$ 5,164.00		AT-002; AT-003
5	\$ -		NA
6	\$ -		NA
7	\$ 44,535.77		AT001B; AT-009; AT-010; AT-013; AT-013; AT-015
8	\$ 46,746.28		AT-012; AT-016; AT-018; AT-019
9	\$ 493,218.07		AT-008; AT-014; AT-017; AT-021; AT-024
10	\$ 103,279.94		AT-022; AT-028
11	\$ -		NA
12	\$ 112,570.85		AT-029; AT-031
13	\$ -		NA
14	\$ 72,329.86		AT-030; AT-032; AT-033
15	\$ -		NA
16	\$ -		NA
17	\$ -		NA
18	\$ 3,213.00		AT-035
19	\$ -		NA
20	\$ 6,202.00		AT-034
	<b>Allowance Total</b>	<b>Allowance Budget</b>	<b>Allowance Balance</b>
<b>TOTAL</b>	<b>\$1,576,259.77</b>	<b>\$3,810,800.00</b>	<b>\$2,234,540.23</b>

## Change Order Summary

DATE: September 11, 2023  
 TO: Stoneham Building Committee  
 SUBJECT: **Change Order Summary – CO-020**

Detailed Description	Value*	Cost**
<b>Allowance Transfers (AT's)</b>		
<b>AT-034 Boulder Handling (T&amp;M)</b> This Allowance Transfer covers the cost of handling boulders over 3 cubic yards (cy) as tracked using Time and Materials (T&M). The cost for this is taken from two existing allowances in the GMP: (1) removing underground obstructions and (2) over excavation. This AT has no additional cost to the project.	\$6,202.00	\$0
<b>Budget Transfers (BT's)</b>		
NONE		
<b>Contingency Transfers (CT's)</b>		
<b>CT-031 Elevator Door Finish</b> <b>Reason Misc</b> This Contingency Transfer captures the cost of the Elevator Doors, which were designed to be powder coated but bought out by the Subcontractor as stainless steel. This has no cost to the project.	\$16,789.00	\$0
<b>CT-034 Relocate and Set Jersey Barriers (T&amp;M)</b> <b>Reason Subcontractor Labor</b> This Contingency Transfer captures the cost to move and re-set jersey barriers along the main walkway from Franklin Street and on the edges of the newly completed student parking and drop off areas. This was tracked as T&M and has no cost to the project.	\$10,378.00	\$0
<b>Reconciled Buyouts (RB's)</b>		
NONE		
<b>Change Requests (CR's)</b>		
<b>CR-087 Pipe Size Clarifications (PR-043)</b> <b>Reason Design</b> This Change Request is from PR-043 which: (1) addressed questions by the Plumbing Subcontractor about pipe sizes and coordination as asked in RFI-189 and (2) adjusted locations of underground pipes that require cleanouts to move them from heavily trafficked areas on Level 01.	\$7,978.03	\$7,978.03
<b>CR-096 Partition Revisions in Coordination (PR-042)</b> <b>Reason Design</b> This Change Request captures several small changes for partitions that were encountered during coordination. These include providing space for PV conduit risers, deepening a wall cavity for panelboards in the kitchen storage, and adjusting the wall rating tags at the Electrical Rooms. This change does not add or remove any walls, but changes elements within them such as deepening a stud adding a layer of GWM, or running GWB to the structure above.	\$5,659.70	\$5,659.70

### Change Order Summary

<b>CR-115</b>	<b>Catwalk Railings and Panelboards (PR-061)</b>	-\$5,844.02	-\$5,844.02
<b>Reason</b>	<b>Design</b>	<p>This Change Request removes a guardrail on the catwalk where it is not required. In addition, it adjusts the method for mounting electrical panelboards along the catwalk. This change results in a credit to the Owner.</p>	
<b>CR-117</b>	<b>Separate Existing Urban Fill (T&amp;M)</b>	\$111,079.92	\$111,079.92
<b>Reason</b>	<b>Unforeseen</b>	<p>This Change Request captures the unforeseen scope of work of separating, stockpiling, and processing urban fill material found during site preparation for underground utilities, infrastructure, and drainage. This material, encountered around the student parking area and on the western side of site, was addressed with work done on a T&amp;M basis by the Site Contractor.</p>	
<b>CR-122</b>	<b>BDA Rated Cable (RFI-221.1)</b>	\$11,857.31	\$11,857.31
<b>Reason</b>	<b>Design</b>	<p>This Change Request provides rated cabling and connections for the Bi-Directional Amplification (BDA) system from Level 01 to the roof antenna.</p>	
<b>CR-123</b>	<b>Deflection Track Criteria</b>	\$10,074.34	\$10,074.34
<b>Reason</b>	<b>Third Party</b>	<p>This Change Request captures a recommendation made by the delegated design Engineer for cold formed metal studs to increase deflection criteria for the auditorium masonry façade. This recommendation increases the gage and/ or stud size.</p>	
<b>CR-126</b>	<b>Duct Re-Route in Video Production (PR-074)</b>	\$5,979.38	\$5,979.38
<b>Reason</b>	<b>Design</b>	<p>This Change Request re-routes ductwork and adds a fire smoke damper in the Video Production suite. During the coordination process it was determined that a duct did not have adequate clearance to go across ceilings within the suite and the team determined that re-routing the duct and adding a fire smoke damper was the most efficient way to address this issue.</p>	
<b>CR-129</b>	<b>Infiltration at Turf Field (CCD-003)</b>	\$6,495.16	\$6,495.16
<b>Reason</b>	<b>Design</b>	<p>This Change Request addresses a question that arose during the install of the underground infiltration at the center turf field. The question of how the infiltration system would perform was resolved by adding 100' of linear perforated pipe on the side of the infiltration system. This change was issued as a CCD and the work was done via T&amp;M because the infiltration was being installed at the time.</p>	
<b>CR-138</b>	<b>Hose Bibb at Area D Mech Well (PR-082)</b>	\$2,077.33	\$2,077.33
<b>Reason</b>	<b>Design</b>	<p>This Change Request adds a hose bibb at the mechanical well in Area D. This change will provide easily accessible water for maintenance purposes.</p>	
<b>Total Change Order Value</b>			<b>\$155,357.15</b>

## Change Order Summary

Notes:

- AT = Allowance Transfer
- BT = Budget Transfer
- HT = Hold Transfer
- RB = Reconciled Buyout
- CR = Change Request
- CT = Contingency Transfer
- OAL = Owner Approval Letter
- PC = Pre-Construction Change Order
- T&M = Time and Materials
- GR = General Requirements
- NA = Not Applicable
- BP = Bid Package
- \* Value of the Change Request
- \*\* Cost to the Project

End of Summary



## Change Order

**Project:**

2515 Stoneham High School  
149 Franklin Street  
Stoneham, MA 02180

**Change Order: CO020**

**Date:** 9/8/2023

**To Contractor:**

Consigli Construction Co., Inc.

**The Contract is changed as follows:**

**Change Order #020**

AT034 Boulder Handling - T&M	\$0.00
CR087 PR-043 Pipe Size Clarifications & FCO Locations - Rev1	\$7,978.03
CR096 PR-042 Wall Revisions	\$5,659.70
CR115 PR-061 - Catwalk Railing Removal & Panel Mounting Confirmation	\$5,844.02-
CR117 Separate Existing Urban Fill - T&M - Rev 1	\$111,079.92
CR122 RFI-221.1 BDA Rated Cable	\$11,857.31
CR123 Deflection Requirement for Exterior Framing at Masonry High Walls - Rev 1	\$10,074.34
CR126 PR074 Video Prod. Duct Reroute	\$5,979.38
CR129 CCD-003 Infiltration at Turf Field	\$6,495.16
CR138 PR-082 Hose Bibb in Area D Mech Well	\$2,077.33
CT031 Elevator Hoistway Door Finish	\$0.00
CT034 Relocate & Set Barriers for Parking Lot - T&M	\$0.00
<b>Total:</b>	<b>\$155,357.15</b>

The original Contract Amount was	\$175,983,887.00
Net change by previously authorized Change Orders	\$933,018.29
The Contract Amount prior to this Change Order was	\$176,916,905.29
The Contract will be increased by this Change Order in the amount of	\$155,357.15
The new Contract Amount including this Change Order will be	\$177,072,262.44
The Contract Time will be unchanged.	

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

Perkins & Will, Inc.  
ARCHITECT

Consigli Construction Co., Inc.  
CONTRACTOR

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

STEVE BANAK

By

By

By

09-08-2023

Date

Date

Date



## Allowance Usage Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** AT034  
**Date:** 8/30/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Boulder Handling - T&M

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

This Allowance Transfer is for the costs associated with handling boulders over 3 CY on the project and tracked against the project allowance. This work was completed on a T&M basis and tracked on SMMA Authorizations #043 and 063.

1. Marois - Handle boulders over 3 CY. This work was completed on a T&M basis and tracked on SMMA Authorizations #043 and 063. The total cost for this scope of work is \$6,202.00 per Marois T&M slips 10036 and 10331.

This Allowance Transfer will transfer \$6,202.00 from Remove Underground Obstructions Allowance (24-010) and Over Excavation Allowance (24-006) to the Sitework Subcontract (2-401).

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$6,202.00		\$6,202.00
Allowance - Remove UG Obstructions				\$-3,939.00		\$-3,939.00
Allowance - Over Excavation				\$-2,263.00		\$-2,263.00
					Subtotal:	\$0.00
		Builders Risk (0.157%)				\$0.00
		General Liability (1.10%)				\$0.00
		SDI (Non-Trade Only) (1.40%)				\$0.00
		OH&P (5%)				\$0.00
		Bond (0.53%)				\$0.00
					<b>Total:</b>	<b>\$0.00</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-30-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR087  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-043 Pipe Size Clarifications & FCO Locations - Rev1

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

This Change Request is for the scope of work associated with PR-043 Pipe Size Clarifications & FCO Locations. This Proposal Request responds to RFI #189 and updates underground plumbing pipe sizing, floor cleanouts, and great trap piping sizes.

1. ARAUJO - Provide all plumbing revisions per PR-043. The total cost for this scope of work per Araujo COR #612 dated May 5, 2023 (REVISED 08-05-2023) is \$7,464.24
2. Please note there will be no cost impacts submitted for the sitework scope of work.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Araujo Bros Plumbing Inc.	15-401				\$7,464.24		\$7,464.24
						Subtotal:	\$7,464.24
			Builders Risk (0.157%)		\$7,464.24		\$11.72
			General Liability (1.10%)		\$7,464.24		\$82.11
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)		\$7,558.07		\$377.90
			Bond (0.53%)		\$7,935.97		\$42.06
						<b>Total:</b>	<b>\$7,978.03</b>

- 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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-22-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR096  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-042 Wall Revisions

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

This Change Request is for the scope of work associated with PR-042 Wall Revisions dated May 23, 2023. This Proposal Request revises drywall partitions to accomodated PV conduit risers, additional drywall at electrical rooms to achieve 1-hr ratings, adjust wall types to adjust HVAC duct clashes/panelboard depths, and adjust fire rating of electric rooms.

1. CENTURY - CR#5 - PR#42 for added wall in Rm B113B and wall type changes as shown in PR-042 drawing updates The total cost for this scope of work is \$5,223.00.
2. THOMPSON DOOR - No change in cost submitted.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Century Drywall, Inc.	9-220				\$5,223.00		\$5,223.00
Thompson Company Inc	8-001						
						Subtotal:	\$5,223.00
			Builders Risk (0.157%)		\$5,223.00		\$8.20
			General Liability (1.10%)		\$5,223.00		\$57.45
			SDI (Non-Trade Only) (1.40%)		\$5,223.00		\$73.12
			OH&P (5%)		\$5,361.77		\$268.09
			Bond (0.53%)		\$5,629.86		\$29.84
						<b>Total:</b>	<b>\$5,659.70</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-24-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR115  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-061 - Catwalk Railing Removal & Panel Mounting Confirmation

**Reason:** Other  
**Source:** PR

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

This Change Request is for the scope of work associated with PR-061 for Catwalk Railing Removal. PR-061 removes a portion of the catwalk railing along the north wall of the Auditorium as the adjacent wall serves as a guardrail and the railing is not required. This PR also includes removal of plywood mounted between catwalk hangers previously owned for mounting electrical panels at this level. Electrical panels shall now be recessed in the GWB wall (panel style/mounting changes confirmed in RFI 241.1).

1. AVID - RCO #7 (PR061) Catwalk Railing Removals in the credit amount of -\$8,073.54
2. WJGEI - Proposal #11 - Barbizon CO#4 - Theater Controls Panel Mounting Changes in the amount of \$3,165.52
3. HOMER - COP 4 - PR 61 dated 08.23.2023 - Catwalk railing removal painting scope in the credit amount of -\$936.00

Note - The Drywall / Rough Carpentry subcontractor has confirmed no change in cost - plywood backing eliminated is offset by the framing work for recessed panels.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Avid Ironworks, Inc.	5-501				\$-8,073.54		\$-8,073.54
Wayne J. Griffin Electric, Inc	16-101				\$3,165.52		\$3,165.52
Homer Contracting Inc	9-901				\$-936.00		\$-936.00
						Subtotal:	\$-5,844.02
			Builders Risk (0.157%)				\$0.00
			General Liability (1.10%)				\$0.00
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)				\$0.00
			Bond (0.53%)				\$0.00
						<b>Total:</b>	<b>\$-5,844.02</b>

- 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.



**Change Request**

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR115  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

PATRICK CONDON

\_\_\_\_\_  
By

\_\_\_\_\_  
By

08-23-2023

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR117  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Separate Existing Urban Fill - T&M - Rev 1

**Reason:** Field Condition  
**Source:** Other

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

This Change Request is for the scope of work associated with the unforeseen existing condition of separating soils and unsuitable material. During excavation in the west parking lot/old practice field, the unearthed urban was found to have debris that could not be processed and was required to be removed including stumps, wood, rebar, wire, etc. The rebar was required to be separated by labor/removed by construction equipment to be processed. This work was completed on a T&M basis and tracked accordingly on SMMA Authorization Slips #052, 053, 056, and 061.

1. Marois - Sort and separate existing material that could not be processed or used as urban fill. This work was completed on a T&M basis and tracked accordingly on SMMA Authorization Slips #052, 053, 056, and 061. The total cost for this scope of work is \$102,509.00 per Marois T&M Summaries #12, 13, 15, and 17.

Rev 1 - 8/23/23 - Revised Change Request to include SMMA Authorization Slips #052 and 061.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.	2-401				\$102,509.00		\$102,509.00
						Subtotal:	\$102,509.00
			Builders Risk (0.157%)		\$102,509.00		\$160.94
			General Liability (1.10%)		\$102,509.00		\$1,127.60
			SDI (Non-Trade Only) (1.40%)		\$102,509.00		\$1,435.13
			OH&P (5%)		\$105,232.67		\$5,261.63
			Bond (0.53%)		\$110,494.30		\$585.62
						<b>Total:</b>	<b>\$111,079.92</b>

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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-24-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR122  
**Date:** 8/15/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** RFI-221.1 BDA Rated Cable

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

This change request is for the following scope of work:

Provisions to provide a rated BDA cable in lieu of providing additional fully rated vertical and horizontal partitions as a pathway through the building for the radio antenna booster system.

1. WJGEI - Proposal #20 RFI-221.1 BDA Rated Cable per RFI-221.1 in the amount of: \$11,093.69

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Wayne J. Griffin Electric, Inc	16-101				\$11,093.69		\$11,093.69
						Subtotal:	\$11,093.69
			Builders Risk (0.157%)		\$11,093.69		\$17.42
			General Liability (1.10%)		\$11,093.69		\$122.03
			SDI (Non-Trade Only) (1.40%)				\$0.00
				OH&P (5%)	\$11,233.14		\$561.66
				Bond (0.53%)	\$11,794.80		\$62.51
						<b>Total:</b>	<b>\$11,857.31</b>

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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

PATRICK CONDON

By

By

08-15-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR123  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Deflection Requirement for Exterior Framing at Masonry High Walls - Rev 1

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

This Change Request is for the scope of work associated with exterior framing at Masonry Veneer at first floor locations over 15'6" height. Per specification section 054000, the exterior cold form metal framing is to be designed for a horizontal deflection of 1/240. Following review of the exterior framing shop drawings, 80 LF of wall requires an increased deflection limit of 1/600 due to the exterior wall stud height greater than 15'-6" with masonry veneer. This revision requires the exterior framing to be modified from 16. ga 6" stud to a 12. ga 8" stud at these specific areas.

1. Century - Provide 1/600 requirement for exterior framing on the first floor with greater than 15'-6" height and masonry veneer. Please note this cost is material only. The total cost for this scope of work is \$9,297.00 per Century CR #8.1 received August 24, 2023.

Rev 1 - 8-24-23 - Revised following project team review of select contract details for existing 8" studded areas.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Century Drywall, Inc.				\$9,297.00		\$9,297.00
					Subtotal:	\$9,297.00
		Builders Risk (0.157%)		\$9,297.00		\$14.60
		General Liability (1.10%)		\$9,297.00		\$102.27
		SDI (Non-Trade Only) (1.40%)		\$9,297.00		\$130.16
		OH&P (5%)		\$9,544.03		\$477.20
		Bond (0.53%)		\$10,021.23		\$53.11
					<b>Total:</b>	<b>\$10,074.34</b>

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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-24-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR126  
**Date:** 8/25/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR074 Video Prod. Duct Reroute

Source: Other

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

This Change Request is for the scope of work associated with PR-074 Video Production Duct Reroute. This proposal request captures the rerouting of a duct out of Video Production Room C227 as reviewed in MEPFP Coordination Meetings and per response to RFI-288 and includes added duct smoke and fire-smoke damper provisions as required.

1. GENERAL MECH - GMC - CO 8.10.23. PR 74 for duct revision and addition of fire smoke damper in the amount of \$3,070.73
2. WJGEI - Proposal #24 - PR-74 Vid. Prod. added duct smoke detector in the amount of \$2,523.58

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
General Mech Contractor Inc	15-501				\$3,070.73		\$3,070.73
Wayne J. Griffin Electric, Inc	16-101				\$2,523.58		\$2,523.58
						Subtotal:	\$5,594.31
			Builders Risk (0.157%)		\$5,594.31		\$8.78
			General Liability (1.10%)		\$5,594.31		\$61.54
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)		\$5,664.63		\$283.23
			Bond (0.53%)		\$5,947.86		\$31.52
						<b>Total:</b>	<b>\$5,979.38</b>

- 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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-25-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR129  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** CCD-003 Infiltration at Turf Field

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

This Change Request is for the scope of work associated with CCD-003 Infiltration at Turf Field dated August 4, 2023. This CCD provides direction to install an additional 100' of 8" perforated pipe at the west side of stormwater system #2 to be installed as part of the system following on site review by the Civil Engineer of Record. This work was completed on a T&M basis and tracked on SMMA Authorization Slip #68.

1. Marois - Provide additional 8" perforated pipe at stormwater system #2 per CCD-003. This work was completed on a T&M basis and tracked on SMMA Authorization Slip #68. The total cost for this scope of work is \$5,994.00 per Marois T&M Summary #18.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$5,994.00		\$5,994.00
					Subtotal:	\$5,994.00
		Builders Risk (0.157%)		\$5,994.00		\$9.41
		General Liability (1.10%)		\$5,994.00		\$65.93
		SDI (Non-Trade Only) (1.40%)		\$5,994.00		\$83.92
			OH&P (5%)	\$6,153.26		\$307.66
			Bond (0.53%)	\$6,460.92		\$34.24
					<b>Total:</b>	<b>\$6,495.16</b>

- 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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-24-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR138  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-082 Hose Bibb in Area D Mech Well

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

This Change Request is for the scope of work associated with PR-082 Hose Bibb in Area D Mech. Well. This Proposal Request adds a hose bibb at the Area D roof level mechanical well.

1. ARAUJO - Provide added hose bibb per PR-082, COR 615 dated 08-22-2023 in the amount of \$1,943.55

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Araujo Bros Plumbing Inc.	15-401				\$1,943.55		\$1,943.55
						Subtotal:	\$1,943.55
			Builders Risk (0.157%)		\$1,943.55		\$3.05
			General Liability (1.10%)		\$1,943.55		\$21.38
			SDI (Non-Trade Only) (1.40%)				\$0.00
				OH&P (5%)	\$1,967.98		\$98.40
				Bond (0.53%)	\$2,066.38		\$10.95
						<b>Total:</b>	<b>\$2,077.33</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-23-2023

Date

Date

Date



## Contingency Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT031  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Elevator Hoistway Door Finish

Source: Other

In accordance with the contract terms, this Contingency Change Request will be funded from the construction manager's project contingency. Please consider this Contingency Change Request as formal notification of contingency use.

This buyout savings/contingency draw is for the following scope of work:

For passenger elevators 1 & 2, the elevator hoistway doors at each landing were carried with the subcontractor as their standard stainless steel finish. This was carried in the buyout accordingly and noted in the approved OAL. After the first round of elevator submittals in section 142123, it was confirmed that the design team wanted to stay with the spec'd paint color finish in powder coating instead of stainless steel. Kone Inc., has confirmed that any finish or door material change from their standard stainless steel would come at an increase in cost. Cost includes all Kone labor to load, unload, and transport the doors to and from the powder coating vendor. This change shall be funded from construction contingency/buy savings as it would have otherwise have been identified in this manner during the buyout process.

1. Kone, Inc. - Change Order Proposal #3 - SHS Stoneham, MA for changing to prime painted hoistway landing doors with powder coat finish to match color PT-23 in the amount of \$16,789.00

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
KONE Inc.	14-210				\$16,789.00		\$16,789.00
Contingency Usage - Buy Savings Draw	19-001				\$-16,789.00		\$-16,789.00
						Subtotal:	\$0.00
			Builders Risk (0.157%)				\$0.00
			General Liability (1.10%)				\$0.00
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)				\$0.00
			Bond (0.53%)				\$0.00
						<b>Total:</b>	<b>\$0.00</b>

- SCHEDULE IMPACT
- We have proceeded with this change and use of contingency to achieve schedule.
- As directed, we will not proceed with this change and use of contingency until formal direction from OWNER is received.



**Contingency Change Request**

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT031  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

PATRICK CONDON

\_\_\_\_\_  
By

\_\_\_\_\_  
By

08-22-23

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



## Contingency Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT034  
**Date:** 7/31/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Relocate & Set Barriers for Parking Lot - T&M

In accordance with the contract terms, this Contingency Change Request will be funded from the construction manager's project contingency. Please consider this Contingency Change Request as formal notification of contingency use.

This Contingency Transfer is for the costs associated with relocating/setting jersey barriers at student walkway from Franklin St and edges of the new parking lot. This work was completed on a T&M basis and tracked on SMMA Authorization No. #65

1. Marois - Relocate and set jersey barriers. This work was completed on a T&M basis and tracked on SMMA Authorization No. #65. The total cost for this scope of work is \$10,378.00 per Marois T&M Summary #20 received August 31, 2023.

This Contingency Transfer will transfer \$10,378.00 from Construction Contingency (19-001) to the Sitework Subcontract (2-401).

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$10,378.00		\$10,378.00
Construction Contingency				\$-10,378.00		\$-10,378.00
					Subtotal:	\$0.00
		Builders Risk (0.157%)				\$0.00
		General Liability (1.10%)				\$0.00
		SDI (Non-Trade Only) (1.40%)				\$0.00
		OH&P (5%)				\$0.00
		Bond (0.53%)				\$0.00
					<b>Total:</b>	<b>\$0.00</b>

- SCHEDULE IMPACT
- We have proceeded with this change and use of contingency to achieve schedule.
- As directed, we will not proceed with this change and use of contingency until formal direction from OWNER is received.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

PATRICK CONDON

By

By

By

08-31-2023

Date

Date

Date

# ATTACHMENT F

## CONTRACT FOR DESIGNER SERVICES

### AMENDMENT NO. 27

**WHEREAS**, the Town of Stoneham (“Owner”) and Perkins & Will, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Stoneham High School Project (Project Number 201802840505) at the Stoneham High School on July 10, 2020 “Contract”; and

**WHEREAS**, effective as of August 21, 2023, the Parties wish to amend the Contract:

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

1. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

#### Fee for Basic Services:

	<b>Original Contract</b>	<b>Prior Amendments</b>	<b>This Amendment</b>	<b>After this Amendment</b>
Feasibility Study Phase	\$ 175,000.00	\$ 71,733.64	\$ 0.00	\$ 246,733.64
Schematic Design Phase	\$ 245,000.00	\$ 106,259.50	\$ 0.00	\$ 351,259.50
Design Development Phase	\$ 0.00	\$ 3,815,359.00	\$ 0.00	\$ 3,815,359.00
Construction Document Phase	\$ 0.00	\$ 5,273,662.00	\$ 0.00	\$ 5,273,662.00
Bidding Phase	\$ 0.00	\$ 1,124,800.00	\$ 0.00	\$ 1,124,800.00
Construction Phase	\$ 0.00	\$ 4,199,050.00	\$ 14,300.00	\$ 4,213,350.00
Completion Phase	\$ 0.00	\$ 423,600.00	\$ 0.00	\$ 423,600.00
<b>Total Fee</b>	<b>\$420,000.00</b>	<b>\$15,014,464.14</b>	<b>\$ 14,300.00</b>	<b>\$15,448,764.14</b>

This Amendment is a result of: Providing Additional Services for Exhaust Dispersing Design Study at the New Stoneham High School project to be funded out of MSBA ProPay 0204-0200, Hazardous Materials.

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2. The Construction Budget shall be as follows:

Original Budget:	\$ <u>153,418,660.00</u>
Amended Budget	\$ <u>153,418,660.00</u>

3. The Project Schedule shall be as follows:

Original Schedule:	<u>June 2025</u>
Amended Schedule	<u>June 2025</u>

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

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Dennis J. Sheehan  
(print name)

Town Administrator, Town of Stoneham  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

DESIGNER

Robert Brown, AIA, IIDA, LEED AP  
(print name)

Managing Director, Principal, Perkins & Will  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

# Perkins&Will

8.29.2023

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

**Re: Stoneham High School / Additional Services #27 Attachment F**

Dear Mr. Sheehan,

As requested, attached, and noted herein, are the additional services for the Exhaust Dispersion and Design in order to evaluate the generator exhaust stack height at the south side of the new Stoneham High School.

## **Project Overview**

The scope of service is to provide detailed modeling to demonstrate compliance with local regulatory standards. This assessment will be completed following a separate analysis conducted for good engineering practice (to optimize design for health and odor-based impacts) or as a standalone based on the proposed design. The analysis will be based on the mechanical and equipment information collected for our building air quality study (for good engineering practice, if completed) or as proposed by the design team. The EPA AERMOD simulation tool will be used to predict the concentration of criteria pollutants (i.e., PM, NO<sub>x</sub>, etc.) at the site's property line (and at any other sensitive receptors required by the MassDEP) for generators and boilers that exceed the MassDEP size thresholds. In the event that the design fails to meet the local requirements, we will carry out one additional simulation to investigate potential mitigative solutions to potentially reduce stack height of the generator.

## **Schedule**

The scope herein has been approved by the Stoneham Building Committee. Services will proceed when written authorization is provided by the Town of Stoneham.

# Perkins&Will

8.29.2023  
Stoneham High School /  
Additional Services #27  
Attachment F

## Compensation

Based on the scope and schedule outlined herein (and attached) you will find the compensation noted below.

Any deviations to the attached, and as noted herein, will be at an additional charge to the below fee.

RWDI:	\$ 13,000
Perkins&Will @ 10% Mark-up	\$ 1,300
<b>Total</b>	<b>\$ 14,300</b>

Thank you,



**Brooke Trivas**  
Principal, Practice Leader for Perkins&Will

cc: Perkins&Will Team, Julie LeDuc- SMMA, file



## STONEHAM HIGH SCHOOL

STONEHAM, MA

### SPECIALTY ENGINEERING PROPOSAL

RWDI #2400476

August 28, 2023

#### **SUBMITTED TO**

**Stephen Messinger**

Senior Project Architect, Senior Associate

[Stephen.Messinger@perkinswill.com](mailto:Stephen.Messinger@perkinswill.com)

#### **Perkins+Will**

225 Franklin Street

Boston, MA 02110

United States

#### **SUBMITTED BY**

**Sonia Beaulieu, M.Sc., PMP, P.Eng.**

Senior Project Manager / Principal

[sonia.beaulieu@rwdi.com](mailto:sonia.beaulieu@rwdi.com)

#### **RWDI**

600 Southgate Drive

Guelph, Ontario, N1G 4P6

T: 519.823.1311 x2429

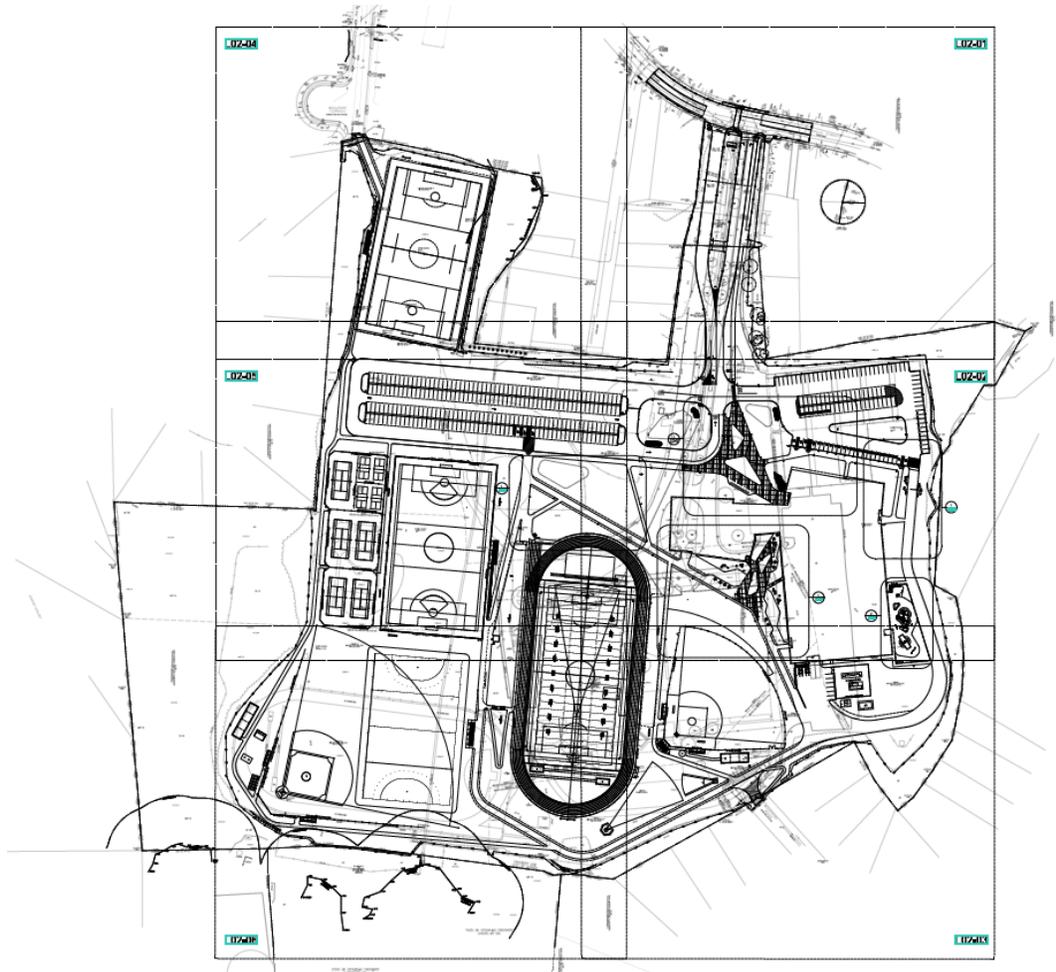
F: 519.823.1316



# PROJECT DESCRIPTION

We understand that a new 1,000 kW emergency diesel generator will be added to the roof of Stoneham High School located in Stoneham, MA. Given the size of the unit, permitting with the MassDEP is required.

As requested, we have prepared the following to provide specialty consulting services for the project. Details on our scope, fee and schedules are provided.





## RWDI'S ROLE

A summary of proposed consulting services is provided in the table below. These services are based on your Request for Proposal received on August 22, 2023. Please refer to **Appendix A** for details of the study methodology.

Please note that the scopes and fees presented below are based on limited information made available to RWDI. We reserve the right to adjust make appropriate adjustments, where needed, when sufficient details are provided.

A visit to the site is not presently included in our scope of work. We have assumed that all necessary information related to the generators and intakes will be provided to RWDI by members of the team.

*Avoid re-entrainment of exhausts back into building. Optimize exhaust stack and air intake design.*

SERVICES	SPECIFICATIONS
<b>Exhaust Dispersion and Design</b> Assessment of air quality impacts at building air intakes, windows, and sensitive outdoor spaces.	<b>Regulatory Modeling (for MassDEP)</b> <ul style="list-style-type: none"><li>- Modeling of combined impacts from combustion sources as per the MassDEP process</li><li>- Will provide a report and supporting documentation that can be appended to the MassDEP application (to be performed by others)</li><li>- One building and site configuration</li></ul>



## BUDGET & SCHEDULE

The table below outlines the timelines we anticipate meeting once we have received and reviewed all necessary details. Our schedule would be discussed with you upon approval as they may have changed from the time our proposal was issued. We are prepared to commence work within one week of receiving all required information and your signed authorization. The information required to complete the study will be provided upon authorization.

If changes are made to the information supplied after the work has commenced, we reserve the right to submit additional charges to cover additional cost and to adjust the delivery schedule accordingly.

Please note that the scopes and fees presented below are based on limited information made available to RWDI. We reserve the right to adjust make appropriate adjustments, where needed, when sufficient details are provided.

SERVICES	PRICING (USD)	SCHEDULE
Regulatory Modeling for MassDEP	\$13,000	4 weeks

### NOTES

1. Fees include anticipated expenses. Applicable taxes would be extra.

# WORKING WITH RWDI

## THE PEOPLE

RWDI believes that the key to a successful project is establishing a genuine rapport and fruitful working relationship. We are a client-focused establishment, and will be your trusted advisor in the realm of environmental design. We are more than just science and numbers - we have keen and creative people that will be with you along the way to give design advice and evaluate concepts.

	<b>Sonia Beaulieu, M.Sc., PMP, P.Eng.</b>
	<i>PRINCIPAL, SENIOR PROJECT MANAGER</i>
	Sonia is a Principal of the firm, and brings over 20 years of experience in wind engineering and related disciplines to your project team. She will be your main point of contact, and will coordinate the project's day-to-day activities.

## THE TECHNOLOGY

RWDI has state of the art simulation technology at our fingertips. We have a modeling workshop in-house: wind tunnels to simulate complex urban settings; water tunnels to simulate precipitation and snow storm events; virtual computational environments to mimic both indoor and outdoor conditions.





## CLOSING

Thank you for the opportunity to work with you and the team on this project. If you are uncertain of anything, please reach out to us so that we can address any questions and adjust the work plan to ensure that we are meeting all of your needs.

To take the next step to continue this partnership and move forward, please review and sign the attached Letter of Agreement that follows.

Respectfully submitted by:

RWDI

A handwritten signature in black ink that reads "Sonia Beaulieu". The signature is written in a cursive, flowing style.

Sonia Beaulieu, M.Sc., PMP, P. Eng.  
Senior Project Manager / Principal

*This Proposal is a confidential work protected by copyright and trade secret law. Neither this Proposal nor the information contained herein may be disclosed, used, reproduced, republished or re-disseminated in any manner or form to any individual or firm not directly involved in the review and evaluation of its contents without the prior written approval of RWDI.*



# LETTER OF AGREEMENT

We hereby authorize Rowan Williams Davies & Irwin Inc. (RWDI) to provide the services outlined in this proposal, reference Proposal #2400476 dated August 28, 2023, for the Stoneham High School project located in Stoneham, MA.

1. By signing this Letter Agreement, [Perkins+Will] (“Client”):
  - a) authorizes RWDI to provide the Services outlined in this Proposal and summarized in Table 1 below and agrees to pay RWDI the fees set out therein together with reimbursable expenses of RWDI in accordance with the terms of this Agreement (as defined below); and
  - b) confirms its acceptance of this Agreement together with each of the following documents which are incorporated herein by this reference: (a) the General Terms in **Appendix B**; and (b) the foregoing Proposal and appendices thereto; (collectively referred to as the “Agreement”), constitutes the entire agreement between RWDI and the Client.

**Table 1: Services and Fees**

SERVICES	DELIVERABLES <sup>[1]</sup>	PRICING (USD) <sup>[2]</sup>	APPROVED
Regulatory Modeling for MassDEP	Final Report	\$13,000	[ ]

*[1] only the Deliverables listed in Table 1 will be provided to Client as part of the above services. Please refer to section 7 of the General Conditions.*

*[2] This quotation covers all professional fees and expenses (as per the scope of work defined in the proposal) but excludes any other tax that might be applicable.*

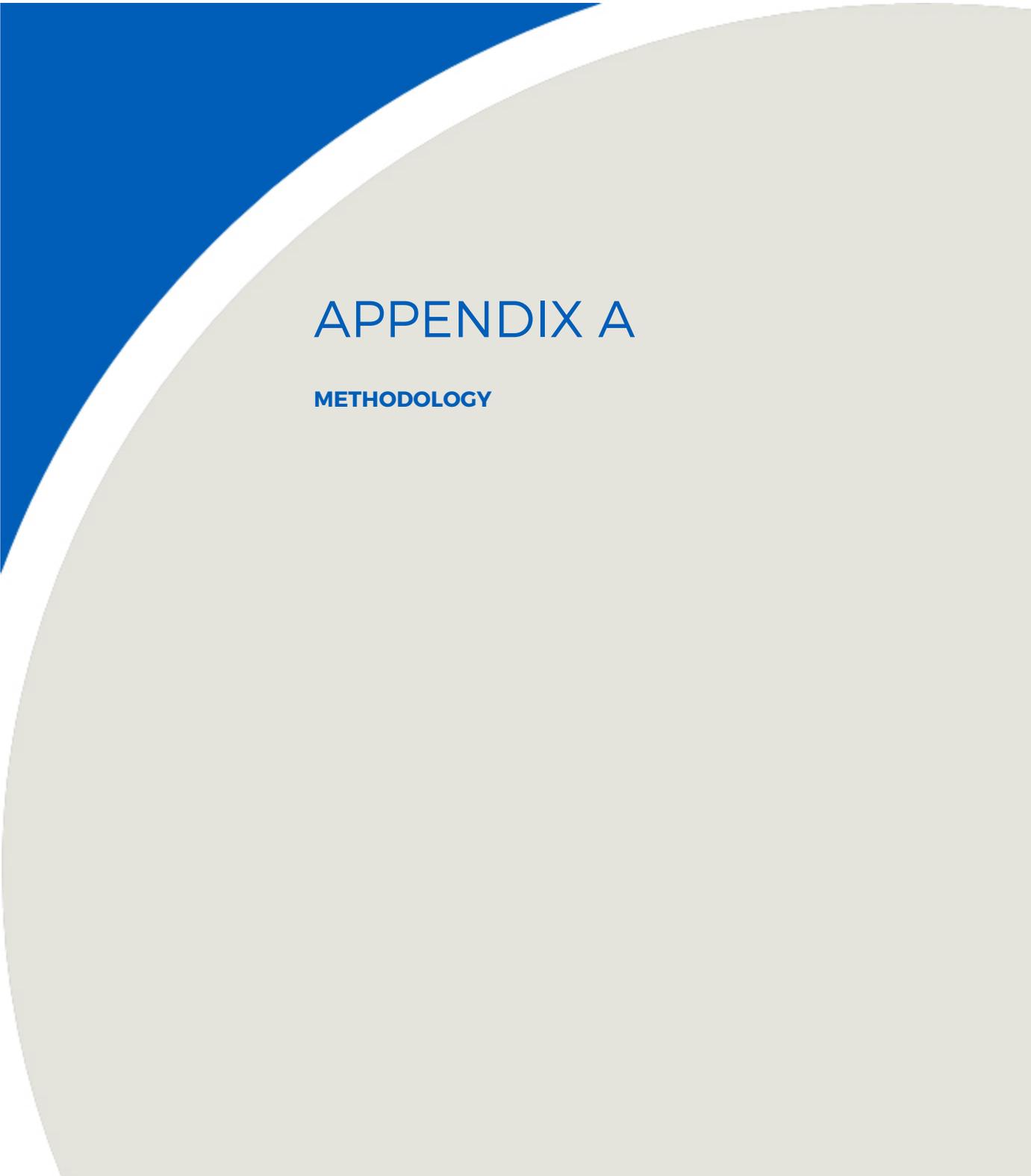
2. This Agreement may be amended only by a written document signed by RWDI and the Client.
3. This Agreement may be executed in counterparts by electronic means and delivered by electronic transmission, each of which counterpart shall constitute an original and all of which taken together shall constitute one and the same instrument.



## CLIENT SIGNATURE

_____ Name (Please Print)	_____ Company
_____ Title	_____ Address
_____ Signature (I am authorized to bind this corporation)	_____ Date

*RWDI and the Client agree that this Proposal may be communicated and/or accepted by email or facsimile transmission and that the said communication and/or acceptance shall be legal and binding upon RWDI and the Client. RWDI and the Client further agree that reproductions of signatures by telecommunications will be treated as original signatures. NSB/sep*

A large decorative graphic on the left side of the page, featuring a blue triangle at the top left, a white curved line, and a large light gray semi-circle that dominates the lower half of the page.

# APPENDIX A

METHODOLOGY

# EXHAUST DISPERSION AND DESIGN



*Assessing the potential for undesirable air quality impacts at building air intakes, windows, and sensitive outdoor spaces.*

## PERMITTING MODELING

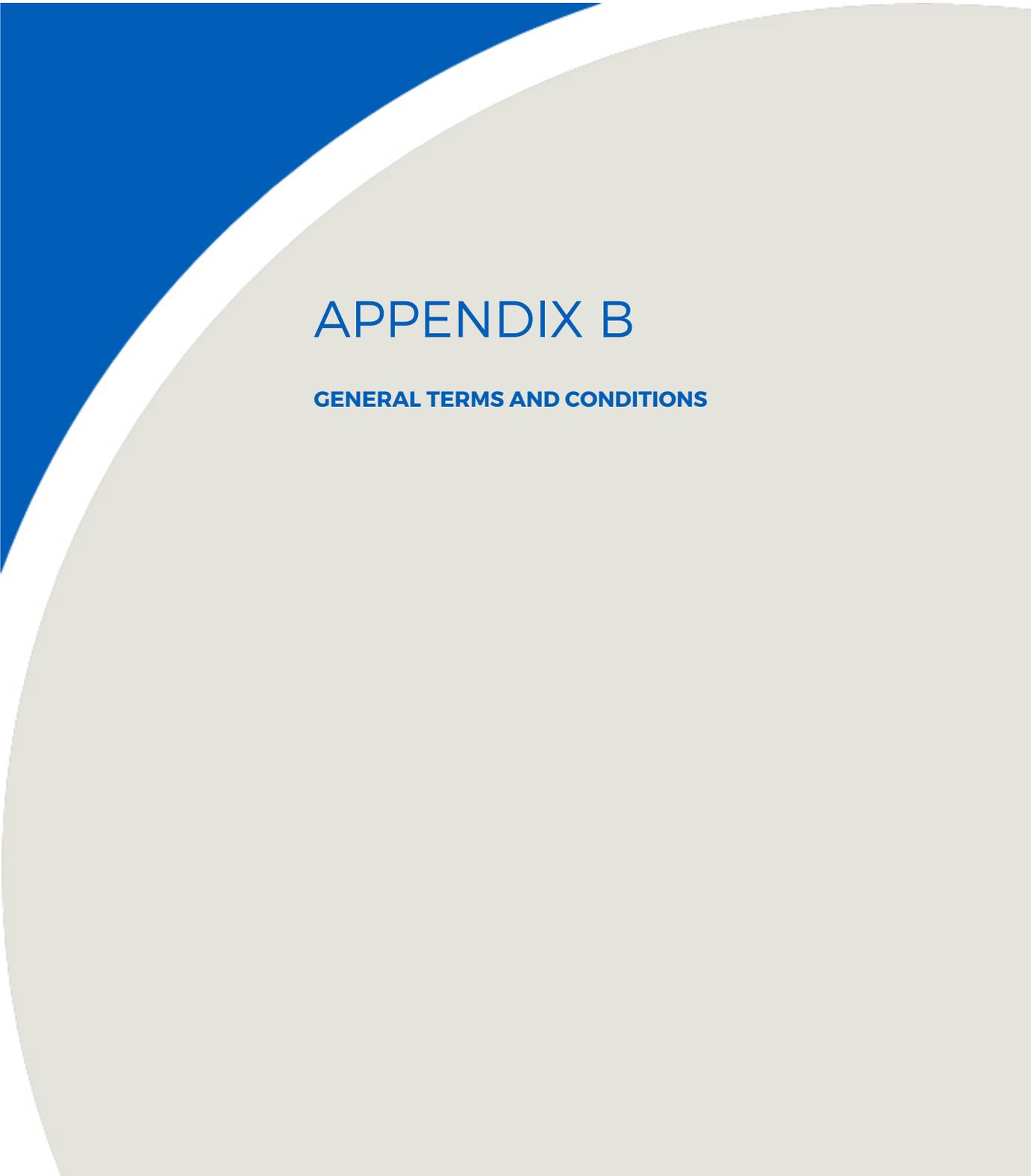
Detailed modeling is completed to demonstrate compliance with local regulatory standards. This assessment can be completed following a separate analysis conducted for good engineering practice (to optimize design for health and odor-based impacts) or as a standalone based on the proposed design.

### Analysis and Deliverables

**Dispersion Modeling:** The local permitting process from the MassDEP's Engine and Turbine Environmental Certification Workbook requires that air quality impacts from larger generators, cogenerators and boilers be simulated using AERMOD. RWDI will not be directly involved in the permitting process, but will provide the supporting technical information for the submission package (to be prepared by others).

The analysis will be based on the mechanical and equipment information collected for our building air quality study (for good engineering practice, if completed) or as proposed by the design team. The EPA AERMOD simulation tool will be used to predict the concentration of criteria pollutants (i.e., PM, NO<sub>x</sub>, etc.) at the site's property line (and at any other sensitive receptors required by the MassDEP) for generators and boilers that exceed the MassDEP size thresholds. In the event that the design fails to meet the local requirements, we will carry out one additional simulation to investigate potential mitigative solutions (such as increased stack height or reduced pollutant emission rates).

**Deliverables:** Results from our modeling analysis (including the input/output files) will be provided in a report. The document will be used by others to submit the permit application to the MassDEP. Our results can be discussed in a conference call, if needed.

The background features a large, light grey circular shape on the right side, partially overlapping a blue triangular shape on the left. A white curved line separates the two shapes.

# APPENDIX B

**GENERAL TERMS AND CONDITIONS**

## GENERAL CONDITIONS

### 1.0 INTERPRETATION AND DEFINITIONS

1.01 In this agreement the following terms shall be interpreted in accordance with the following meanings:

- a) "Additional Services" means: (i) any services not identified in the Proposal as forming part of the Services; (ii) any services identified in the Proposal as Additional Services; or (iii) revisions of Deliverables or re-performance of Services as a result of changes, modifications, increases, or variations to any parts of the Services;
- b) "Agreement" shall mean the agreement evidenced by the Letter Agreement, these General Conditions, Special Terms and Conditions, the Proposal and all indentures, agreements, or other instruments supplemental hereto or in confirmation, amendment or modification hereof;
- c) "Background IP" means Intellectual Property Rights owned, controlled, or used by either RWDI or Client at or before the date of this Agreement, or which shall at any time thereafter become so owned, controlled, or used other than as a result of this Agreement;
- d) "Change Order" means any change to the Services evidenced by a written document signed by RWDI and Client, describing the change in Services and any resulting changes to RWDI's compensation;
- e) "Client" shall mean the party who has entered into this Agreement with RWDI;
- f) "Contract Documents" shall mean the Letter Agreement executed by RWDI and the Client, these General Conditions, the Proposal and all attachments annexed thereto;
- g) "Deliverables" means the reports to be delivered to Client summarizing the results of studies performed by RWDI in accordance with this Agreement, as identified in the Proposal and itemized in Table 1 of the Letter Agreement;
- h) "Force Majeure Event" shall mean an occurrence beyond the control and without the fault or negligence of the party affected and which by exercise of reasonable diligence the said party is unable to prevent or provide against. Without limiting the generality of the foregoing, "Force Majeure Event" shall include: acts of nature (including fire, flood, earthquake, storm, hurricane or other natural disaster), war, invasion, acts of foreign combatants, terrorists acts, military, or other usurped political power or confiscation, nationalization, government sanction or embargo, labor disputes of third parties to this Agreement, riots, a lack or an inability to obtain materials, goods, equipment, services, utilities or labour, breakdowns or malfunctions, interruptions or malfunction of computer facilities, or loss of data due to power failures or mechanical difficulties with information storage or retrieval systems, any new statute, law or order-in-council or any regulation or order or amendment thereto passed or made pursuant thereto including government ordered closures during a state of emergency, any epidemic or pandemic, as identified by local medical authorities and/or the World Health Organization, or the prolonged failure of electricity or other vital utility service;
- i) "Instruments of Service" means all files, documents, drawings, plans, models, designs, specifications, working materials, research, investigations, calculations, computer software and code if proprietary to RWDI, and data in any form (including but not limited to raw data, model input and output files, testing programs, testing and analysis methodologies and actual data acquisition measurements), which are: (i) contained in the Deliverables; (ii) created or prepared, in the course of RWDI's performance of the Services under this Agreement; or (iii) which are otherwise prepared by RWDI in connection with the Project;
- j) "Intellectual Property" shall include, without limitation, any inventions, technological innovations, discoveries, designs, formulas, know-how, processes, business methods, ideas (whether or not patentable, or copyrightable or constituting trade secrets) patents, trademarks, service marks, copyrights, computer software, ideas, creations, writings, lectures, illustrations, photographs, motion pictures, scientific and mathematical models, improvements to all

such property, and all recorded material defining, describing, or illustrating all such property, whether in hard copy or electronic form;

- k) "Letter Agreement" shall mean the letter agreement to which these General Conditions and the Proposal are annexed, executed by RWDI and the Client in connection with the Project together with all Schedules thereto;
- l) "Limited License" has the meaning set out in section 7.02.
- m) "Parties" shall mean RWDI and the Client;
- n) "Prime Agreement" has the same meaning as in Section 11.01.
- o) "Project" shall mean the construction being undertaken or work or task to be completed, in connection with which RWDI is providing the Services;
- p) "Proposal" shall mean the proposal for the services and studies to be provided by RWDI to the Client for the Project together with all Schedules thereto, prepared by RWDI and submitted to the Client as provided in the Letter Agreement;
- q) "RWDI" shall mean Rowan Williams Davies & Irwin Inc.;
- r) "Services" shall mean the services and studies to be provided by RWDI that are described in detail in the Proposal;
- s) "Specifications" shall mean all information and specifications provided by the Client to RWDI concerning the Proposal and the Project, including but not limited to, all notes, materials, photographs, plans, sketches, drawings, graphic representations, building specifications, samples, data, site information, reports, surveys, documents, computer software provided by the Client to RWDI in connection with the Proposal and the Project and all other information or data pertinent to the Project which is required by RWDI to perform the Services.

1.02 Words and abbreviations with well-known technical or trade meanings are used in this Agreement in accordance with such recognized meanings.

1.03 If there is a conflict within the Agreement, the order of priority of the documents which make up the Agreement, from highest to lowest, will be:

- a) Letter Agreement;
- b) Proposal; and,
- c) General Conditions.

### 2.0 RWDI'S DUTIES

2.01 RWDI desires to perform and be responsible for the Services and RWDI shall perform the Services in a manner that is coordinated with the Client's activities on the Project and in accordance with the terms and conditions of the Contract Documents. Any changes to the Services set out in the Proposal must be approved by both Parties in writing.

2.02 RWDI warrants to the Client that it has all of the requisite qualifications, expertise, knowledge, experience, skills and resources required to provide the Services in accordance with reasonably professional standards of care, skill and diligence, which are customarily used to provide services similar to the Services. All other warranties, whether express or implied, are excluded.

2.03 RWDI is entitled to rely upon the accuracy and completeness of the Specifications and other information, data, records, and information furnished by:

- a) the Client, other consultants of the Client and those for whom the Client is responsible at law;
- b) government authorities and public utilities; and
- c) by manufacturers and suppliers of equipment, material or supplies.

2.04 RWDI is not responsible for the acts, errors, or omissions of any party not engaged by RWDI including but not limited to any other supplier, contractor, or consultant of the Client or any sub-contractors engaged by them or for manufacturing defects in equipment, material or supplies specified or recommended by RWDI.

2.05 In the event that the Client requires RWDI to perform Additional Services, Client shall notify RWDI of its request for Additional Services. Unless otherwise indicated in the Proposal, RWDI's compensation for Additional Services shall be determined by RWDI upon its receipt of the Client's request for Additional Services. RWDI shall not be bound to perform Additional Services until the Client and RWDI have executed a Change Order.

### **3.0 CLIENT'S DUTIES**

3.01 The Client shall provide RWDI with the Specifications at no expense to RWDI and shall provide prompt written notice to RWDI if the Client becomes aware of any errors, omissions or inconsistencies in the Specifications.

3.02 The Client shall promptly fulfill its responsibilities for the orderly progress of the Services and of the Project.

3.03 The Client will ensure that other consultants, contractors, and other parties engaged by the Client have adequate professional liability insurance, commensurate with the services they will provide for the Project.

### **4.0 PAYMENT**

4.01 Payment shall be made in accordance with this Agreement and shall be inclusive of any taxes payable in Canada, but exclusive of any taxes payable outside of Canada.

4.02 All invoices are payable within thirty (30) calendar days of receipt of invoice. Client shall advise RWDI of any discrepancy in invoice amount or format within fifteen (15) calendar days of receipt of invoice.

4.03 In the event that the Client fails to pay any invoiced amount when due, such amount shall bear interest until paid at a rate per annum which shall from day to day be equal to 1.5% per month.

### **5.0 TERMINATION AND SUSPENSION OF SERVICES**

5.01 In the event that the Client fails to pay, when due, any sum owing to RWDI pursuant to the provisions of this Agreement, or fails to comply with any material obligation provided in this Agreement, RWDI may: (a) terminate this Agreement, by giving the Client written notice of termination, such termination to be effective upon the date specified in the notice; or (b) at RWDI's sole option and upon written notice to Client, suspend the provision of the Services until the failure has been remedied. In either case, the Client shall remain completely responsible for the consequences of its breach of this Agreement and shall pay all fees and reimbursable expenses to RWDI that are incurred and unpaid as of the date of such termination

5.02 If the Project is suspended or terminated in whole or in part for more than a total of sixty (60) days otherwise than due to RWDI's fault or negligence, whether consecutive or not, RWDI shall, upon rendering an account, be paid for that portion of the Services performed, together with all reimbursable expenses incurred.

### **6.0 LICENCE**

6.01 RWDI shall not be required to be licensed, certified and/or registered by the City or State or Province wherein the Project is located.

### **7.0 CONFIDENTIALITY AND INTELLECTUAL PROPERTY**

7.01 The parties agree that all of the information contained herein and all information belonging to other party as confidential and safeguard it accordingly and shall not disclose such information belonging to the other party to any other person without the prior written consent of that party, except to such persons and to such extent a party may be necessary for the performance of the Agreement or except where disclosure is expressly permitted by this Contract or required by law.

For clarity, greater certainty and avoidance of doubt, Confidential Information does not include information that: (a) becomes known (independently of disclosure by the disclosing Party) to the receiving Party from a source other than one having an obligation of confidentiality to the disclosing Party; (b) becomes part of the public domain or otherwise ceases to be secret or confidential, except through a breach of this Agreement by the receiving Party; or (c) is independently developed by the receiving Party without any breach of this Agreement.

7.02 The Client agrees that the Instruments of Service are the property of RWDI and RWDI retains ownership of all Intellectual Property rights created or developed by RWDI in the delivery of Services or from concepts, products, or processes which are developed or first reduced to practice by RWDI in performing the Services. Provided that all amounts due to RWDI under this Agreement have been paid in full, the Client shall have a non-exclusive, royalty-free, and perpetual license to use those portions of the Instruments of Service and Background IP of RWDI to the extent they are embedded in the Deliverables for the purpose of the Project ("Limited License"). For clarity, greater certainty, and avoidance of doubt, the Limited License does not require RWDI to provide the Client with any document not included within the Deliverables. However, upon the written request of the Client, RWDI may, in its sole and unfettered discretion, provide copies of any Instruments of Service to the Client subject to any conditions imposed by RWDI including but not limited to additional compensation and/or the execution of a data transfer agreement in a form approved or provided by RWDI.

7.03 The Client acknowledges that the Project Documents are being prepared for use in connection with the Project. Should the Client: (i) use or cause the Deliverables to be used by third parties for purposes other than in connection with the Project; or (ii) alter or cause the Deliverables to be altered by third parties for other purposes without the consent and involvement of the RWDI, RWDI shall not be responsible for the consequences of such use or alteration and the Client shall indemnify, defend and hold RWDI harmless from and against any and all losses, liabilities, damages, actions, causes of action, costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred by RWDI arising out of or relating to such use and/or alteration of the Deliverables.

7.04 The Client retains all Intellectual Property rights in all the Specifications provided to RWDI.

7.05 The provisions of this Section 7 shall survive the termination of this Agreement.

### **8.0 INSURANCE**

8.01 The Client agrees that RWDI's current insurance coverage, proof of which has been provided to the Client, shall, for all purposes, be satisfactory to the Client and shall be deemed to satisfy any insurance requirements of the Client with respect to the Services and/or the Project.

### **9.0 LIMITATION OF LIABILITY**

9.01 Subject to the limitations of liability set out in this, each party will indemnify the other party, to the extent of the fault or negligence of the indemnifying party, for damages and costs (including reasonable legal fees) resulting from:

- a) claims of third parties; or
- b) negligent or faulty acts or omissions of the indemnifying party or anyone for whom that party is responsible.

9.02 The liability of each party with respect to a claim against each other is limited to direct damages only and neither party will have any liability

whatsoever for consequential or indirect loss or damage (including, but not limited to, claims for loss of profit, revenue, production, business, contracts or opportunity and increased cost of capital, financing or overhead) incurred by the other party.

9.03 Notwithstanding any other provision in this Agreement, RWDI's liability for claims which the Client has or may have against RWDI, its employees, agents, representatives, subconsultants, and subcontractors under this Agreement, whether these claims arise in contract, tort, negligence or under any other theory of liability, will be limited, notwithstanding any other provision of this Agreement:

- a) to claims brought within the limitation period prescribed by law in the jurisdiction in which the Project is located or, where permitted by law, within 2 years of completion or termination of the Services, whichever occurs first; and
- b) to re-performance of defective Services by RWDI, plus:
  - i. the amount of coverage afforded to RWDI under policies of insurance maintained by RWDI pursuant to Section 8.01 above for claims are covered by insurance; or
  - ii. to the amount of compensation paid by the Client to RWDI pursuant to this Agreement where claims are not covered by insurance under section 8.01.

9.04 The provisions of this Section 9 shall survive the termination of this Agreement.

## 10.0 FORCE MAJEURE

10.01 Neither party hereto shall be liable nor be able to terminate this Agreement for any failure to perform hereunder where such failure is proximately caused by a Force Majeure Event. The Party affected by a Force Majeure Event shall provide the other party with full particulars thereof as soon as it becomes aware of the same (including its best estimate of the likely extent and duration of the interference with its activities). Thereupon, the obligations of the notifying party, shall be suspended during, but not longer than, the continuance of the Force Majeure Event. Any party asserting a Force Majeure Event as an excuse to performance shall give prompt notice to the other party and shall have the burden of proving proximate cause, that reasonable steps were taken to minimize the delay and damages caused by events when known, and that the other party was timely notified of the likelihood or actual occurrence which is claimed as grounds for a defense under this clause. For clarity, greater certainty and avoidance of doubt, a Force Majeure Event shall not excuse either party from its obligation to pay the other party any and all outstanding amounts owed to such other party pursuant to this Agreement.

## 11.0 GENERAL

11.01 This Agreement is made pursuant to and shall be governed by and construed in accordance with the laws of the Province of Ontario. This Agreement sets forth the entire agreement between the Parties concerning the subject matter hereof and any amendment, waiver or discharge of the provisions hereof shall be made in writing and signed by both the Client and RWDI. In the event that the Client is not the owner of the Project and is a party to a contract with the owner of the Project in relation to the design and/or construction of the Project (a "Prime Agreement") in no event shall RWDI be deemed to be bound to the provisions of any other agreement not expressly assumed in writing by RWDI. For clarity and avoidance of doubt, any reference to a Prime Agreement in the Proposal or any Change Order shall not constitute RWDI's agreement to be bound to the terms of a Prime Agreement.

11.02 The Parties shall not assign any of its rights under this Agreement but this Agreement shall ensure to the benefit of and be binding upon the Parties hereto and their respective successors and permitted assigns.

11.03 During the term of this Agreement, neither Party shall not describe itself as agent or representative of the other Party, except as authorized by this Agreement. Nothing in this Agreement shall be deemed to constitute, create, give effect to, or otherwise recognize a joint venture, partnership or formal business entity of any kind, nor shall any provision hereof be construed to authorize either Party to act for or create any obligation on behalf of the other Party.

11.04 Any failure of any Party to insist upon strict compliance with any terms and conditions of this Agreement shall not be construed as a waiver of such terms and conditions, or of the right of that Party to insist at any time thereafter upon such strict compliance.

11.05 If any provision of this Agreement is unenforceable or invalid for any reason whatsoever, such unenforceability or invalidity shall not affect the enforceability or validity of the remaining provisions of this Agreement and such provision shall be severable from the remainder of this Agreement.

11.06 All notices, demands, requests consents and approvals which may or are required to be given or made pursuant to any provision of this Agreement shall be given in writing and shall be served personally, by registered mail or by email transmission addressed to the recipient. Any demand, notice or other communication to the Parties shall be sent to the addresses identified on the front page of the Letter Agreement, or to such other address, individual or email address as may be designated by notice in writing given by either party to the other.

11.07 Any demand, notice or other communication given by personal delivery or registered mail shall be conclusively deemed to have been given on the day of actual delivery thereof and, if given by email, on the day of transmittal thereof if given during the normal business hours of the recipient and on the business day during which such normal business hours next occur if not given during such hours on any day. If the party giving any demand, notice or other communication knows or ought reasonably to know of any difficulties with the postal system which might affect the delivery of mail, any such demand, notice or other communication shall not be mailed but shall be given by personal delivery or by email.

11.08 In this Agreement words importing the singular number only shall include the plural and vice versa and words importing the masculine gender shall include the feminine gender and words importing persons shall include firms and corporations and vice versa.

11.09 This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. The execution of this Agreement by any of the Parties may be evidenced by way of an electronic or .pdf transmission of such Party's signature, or a photocopy of such electronic or .pdf transmission, and such electronic or .pdf signature shall be deemed to constitute the original signature of such Party hereto.

# ATTACHMENT F

## CONTRACT FOR DESIGNER SERVICES

### AMENDMENT NO. 28

**WHEREAS**, the Town of Stoneham (“Owner”) and Perkins & Will, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Stoneham High School Project (Project Number 201802840505) at the Stoneham High School on July 10, 2020 “Contract”; and

**WHEREAS**, effective as of August 21, 2023, the Parties wish to amend the Contract:

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

1. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

#### Fee for Basic Services:

	<b>Original Contract</b>	<b>Prior Amendments</b>	<b>This Amendment</b>	<b>After this Amendment</b>
Feasibility Study Phase	\$ 175,000.00	\$ 71,733.64	\$ 0.00	\$ 246,733.64
Schematic Design Phase	\$ 245,000.00	\$ 106,259.50	\$ 0.00	\$ 351,259.50
Design Development Phase	\$ 0.00	\$ 3,815,359.00	\$ 0.00	\$ 3,815,359.00
Construction Document Phase	\$ 0.00	\$ 5,273,662.00	\$ 0.00	\$ 5,273,662.00
Bidding Phase	\$ 0.00	\$ 1,124,800.00	\$ 0.00	\$ 1,124,800.00
Construction Phase	\$ 0.00	\$ 4,213,350.00	\$ 175,000.00	\$ 4,388,350.00
Completion Phase	\$ 0.00	\$ 423,600.00	\$ 0.00	\$ 423,600.00
<b>Total Fee</b>	<b>\$420,000.00</b>	<b>\$15,028,764.14</b>	<b>\$ 175,000.00</b>	<b>\$15,623,764.14</b>

This Amendment is a result of: Providing Additional Services for Branded Educational Environmental Graphics in the New Stoneham High School to be funded out of MSBA ProPay 0203-9900, Other Reimbursable Costs.

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2. The Construction Budget shall be as follows:

Original Budget:	\$ <u>153,418,660.00</u>
Amended Budget	\$ <u>153,418,660.00</u>

3. The Project Schedule shall be as follows:

Original Schedule:	<u>June 2025</u>
Amended Schedule	<u>June 2025</u>

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

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Dennis J. Sheehan  
(print name)

Town Administrator, Town of Stoneham  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

DESIGNER

Robert Brown, AIA, IIDA, LEED AP  
(print name)

Managing Director, Principal, Perkins & Will  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

# Perkins&Will

8.30.2023

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

## Re: Stoneham High School / Additional Services #28 Attachment F

Dear Mr. Sheehan,

As requested, and noted herein, are the additional services for the Environmental Branding for the new Stoneham High School. We are very enthusiastic about this portion of the project which has already received committee approval. We submit this additional service letter for your execution.

### Project Overview

The scope of the service is to provide branded educational environment graphics to tell Stoneham's story, support a common vision and mission, spark emotional human connections, create a sense of belonging, excitement, engagement, and ownership. In support of your educational goals, Perkins&Will proposes inclusion of the services listed below. The locations for environmental branding that apply to this scope of services are:

1. Auditorium undercut wall & ceiling
2. Gym north wall at monumental stair
3. Gym north wall at interior (gym) side
4. Gym south wall (gym side)
5. Pre-K entry
6. Monumental stair level 2->3
7. Athletic corridor at Athletic entrance
8. Exterior fins

### 1A. Story and Showcase Elements: Visioning + Strategy . . . . . \$25,000

The purpose of incorporating Story and Showcase Forms is to promote and celebrate accomplishments, to evoke pride and create a cultural unity. Through a series of exercises, P&W will share inspiration, insights, and ideas to help stakeholders identify and communicate goals, vision and story drivers. A strategy will be formed around this information with walls identified in the contract documents and noted above.

- Research & Session Prep
- Visioning/Visual Listening Session & Existing Assets Review
- Visioning Synthesis & Project Driver Framework Development
- Story Visioning & Framework Presentation
- Includes (1) client in person meeting

8.30.2023  
Stoneham High School /  
Additional Services #28  
Attachment F

**1B. Story and Showcase Elements: Design . . . . . \$90,000**

Based on the scope contained in the contract documents and noted above the team will develop environmental branding generated from the ideas developed from the Visioning+ Strategy meetings.

- Brand location mapping
- Messaging and graphic design
- Includes (2) client meetings. One in person one virtual.

**1C. Story +Showcase Elements: Development + Implementation . . \$60,000**

Development and implementation of the graphics based on the areas contained in the contract documents and noted above.

- Curation of final content
- Cost Analysis and Value Engineering
- Presentations and consensus building
- Production art and coordination with subcontractors
- Includes (1) client meeting

**Schedule**

The scope herein has been approved by the Stoneham Building Committee. Services will proceed when written authorization is provided by the Town of Stoneham. The following schedule has been put forward to the Town of Stoneham for approval.

- **Sept 15:** In person Visioning/Story Mining Session
- **Oct 13:** In person/Presentation of Story Concepts and fin design
- **Oct 27:** Virtual/ Finish Design final approval, sharing of graphic ideas
- **Nov 3:** Finish drawings complete
- **Dec 8:** Final graphic production art files

**Compensation**

Based on the scope and schedule outlined herein you will find the compensation noted below.

Any deviations to the above scope will be at an additional charge to the below fee.

Environmental Branding	\$ 175,000
Perkins&Will @ 10% Mark-up	<i>Included above</i>
<b>Total</b>	<b>\$ 175,000</b>

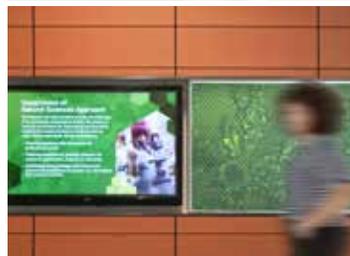
Thank you,



**Brooke Trivas**  
Principal, Practice Leader for Perkins&Will

cc: Perkins&Will Team, Julie LeDuc– SMMA, file

## BRANDED ENVIRONMENT SERVICES: K12



### EXPERIENCE DESIGN /// SERVICE OPTIONS AND SAMPLE FEES

A Branded Educational Environment tells a story, supports a common vision and mission, sparks emotional human connections, triggers pride and motivation, and creates a sense of belonging, excitement, engagement, and ownership. In support of your educational goals, Perkins&Will proposes inclusion of the services listed below.

#### 1A. Story and Showcase Elements: Visioning + Strategy . . . . . \$25,000

The purpose of incorporating Story and Showcase Forms is to promote and celebrate accomplishments, to evoke pride and create a cultural unity.

Through a series of exercises, P&W will share inspiration, insights and ideas to help stakeholders identify and communicate goals, vision and story drivers. A strategy will be formed around this information, and will in turn be expressed through various story showcases such as History Walls, Timelines, Tributes, Environmental Graphics, Media Walls, Banners, etc.

*Example work may include:*

- Research & Session Prep
- Visioning/Visual Listening Session & Existing Assets Review
- Visioning Synthesis & Project Driver Framework Development
- Story Visioning & Framework Presentation
- Includes (1) client meeting

*Typically corresponds to the Architectural Kick-off/Programming Phase.*

#### 1B. Story and Showcase Elements: Design . . . . . \$90,000

*Price dependent on quantity and complexity determined in visioning session.*

*Example work may include:*

- Brand location map
- Messaging, Graphic design or showcase exhibits for:  
Entrances, Corridors, Cafeteria, Department Entries, Gymnasium
- Integration of brand patterning into architectural elements:  
flooring, tile, glass, textiles
- Includes (2) client meetings

*Typically corresponds to the Architectural Schematic Design Phase.*

#### 1C. Story and Showcase Elements: Development + Implementation . . . . . \$60,000

*Price dependent on quantity and complexity of final designs.*

*Example work may include:*

- Curation of final content
- Cost Analysis and Value Engineering
- Presentations and consensus building
- Production art and coordination with subcontractors
- Includes (1) client meeting

*Typically corresponds to the Architectural CD and CA Phases.*

#### 2. Digital Content Design for Launch. . . . . \$50,000

In conjunction with digital media partners, P&W is able to provide custom, branded content that will reside on monitors in common areas.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Monitor Location Plan
- Story Matrix
- Strategy for Content Management System
- Art Direction for templates and reels
- Coordination with digital design sub to create launch files
- (2) animated reels. Content integration not included, but can be included as an additional service.
- Content integration can be included at higher range fee

*Typically corresponds to the Architectural CA Phase.*



**3. Donor Recognition Design . . . . . \$30,000**

The creation of a Donor Recognition system to honor partners and contributors both in one localized feature and throughout the building as necessary.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Concept/Schematics/Development/Final Design Intent/Fabrication Admin
- Mapping, Messaging and Design Intent for up to (3) Group and (5) At-Room elements
- Donor Program provided by client
- Cost Analysis and Value Engineering
- Includes (4) client meetings

*Typically corresponds to the Architectural DD and CA Phases.*

**4. Interior Wayfinding Strategy and Signage Design . . . . . \$60,000**

We can incorporate existing campus signage standards or work with stakeholders to create custom solutions that reflect the spirit of the new or renovated building.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Concept/Schematics/Development/Final Design Intent/Fabrication Admin for: Exterior Building/Monuments, Base Building / Rooms, Designations, Wayfinding
- Mapping, Messaging and Design Intent
- Cost Analysis and Value Engineering
- Includes (4) client meetings

*Typically corresponds to the Architectural SD, DD, CD and CA Phases.*

**5. Identity Development . . . . . \$35,000**

P&W has dedicated brand strategists and graphic designers who develop identities for departments, buildings, complexes, events, and organizations. Development can include new logos, organizational lock-ups, iconic patterning, color palettes, typography, brand guides, collateral design, etc.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Mini identity focused visioning session
- (3) Logo concepts and development
- (3) Sample applications: Official Documents, Uniforms, Gifts
- Includes (1) client meetings
- More complex identity options include brand promises, guidelines, extended media and collateral, etc.

*Typically corresponds to the Architectural SD Phase.*

**6. Marketing Materials for Donor/Partner Recruitment . . . . . \$15,000**

Work with P&W to create compelling collateral for use creating promotional materials that celebrate the project and recruit financial support with target donors. Examples could include videos printed brochures, coffee table books, augmented reality, custom gifts, websites, etc.

*Example work may include:*

- Objectives review, recommendations for collateral/medium
- Development in conjunction with marketing stakeholders

*Typically corresponds to the Architectural SD or DD Phase.*

**GENERAL NOTES**

Travel costs and standard reimbursables are not included. Meetings may be combined for multiple services. Fees assume that brand assets, photography, and copywriting will be supplied to P&W. Related work outside of the project scope may be identified throughout the course of the project.

The following additional services can be negotiated:

- Detailed Field Measurement & Documentation of Project Site
- Modifications & Redesign to any Previously Approved Design Elements
- Structural, Electrical or Communications Systems Engineering Services
- Multi-Lingual Design or Translation (assumes project delivered in English)
- Meetings and/or Services Related to Obtaining Local Jurisdictional Reviews & Approvals
- As-Built” Documentation
- Donor Recognition System Standards & Guideline
- Application of Donor Recognition System to Facilities
- Development of Supplemental Donor Recognition Print or Electronic Graphics
- Digital Content Integration
- Research, recommendations or selections of sub-contractors and vendors
- Price estimating exercises
- Copywriting and/or content creation for collateral or exhibits
- Procurement for marketing collateral









**Town of Stoneham  
Stoneham High School**

**Project Budget and Cost Summary**

September 8, 2023



Description	BUDGET			COST				CASH FLOW	
	PFA Approved Budget	Authorized Changes	Approved Budget	Committed Costs	Uncommitted Costs	Forecast Costs	Total Project Costs	Expenditures to Date	Balance To Spend
<b>20 Construction</b>									
Pre-Construction Services	\$258,528	\$29,250	\$287,778	\$287,778	\$0	\$0	\$287,778	\$287,778	\$0
Construction	\$153,418,660	\$22,565,227	\$175,983,887	\$175,983,887	\$0	\$0	\$175,983,887	\$35,182,926	\$140,800,961
CMR Contingency (5.%)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Change Orders		\$933,018	\$933,018	\$933,018	\$0	\$2,193,637	\$3,126,656	\$924,939	\$2,201,717
<b>Subtotal</b>	<b>\$153,677,188</b>	<b>\$23,527,495</b>	<b>\$177,204,683</b>	<b>\$177,204,683</b>	<b>\$0</b>	<b>\$2,193,637</b>	<b>\$179,398,321</b>	<b>\$36,395,642</b>	<b>\$143,002,678</b>
<b>30 Architectural &amp; Engineering</b>									
Designer - Feasibility	\$175,000	\$0	\$175,000	\$175,000	\$0	\$0	\$175,000	\$175,000	\$0
Schematic Design	\$245,000	\$0	\$245,000	\$245,000	\$0	\$0	\$245,000	\$245,000	\$0
Design Development	\$3,233,800	\$0	\$3,233,800	\$3,233,800	\$0	\$0	\$3,233,800	\$3,233,800	\$0
Construction Documents	\$4,921,000	\$184,588	\$5,105,588	\$5,105,588	\$0	\$0	\$5,105,588	\$5,105,588	\$0
Bidding / Negotiations	\$1,124,800	\$0	\$1,124,800	\$1,124,800	\$0	\$0	\$1,124,800	\$1,123,675	\$1,125
Closeout	\$423,600	\$0	\$423,600	\$423,600	\$0	\$0	\$423,600	\$0	\$423,600
Construction Administration	\$3,936,800	\$0	\$3,936,800	\$3,936,800	\$0	\$0	\$3,936,800	\$1,107,225	\$2,829,575
Geotech/GeoEnvironmental Consultant	\$657,170	\$0	\$657,170	\$591,343	\$65,827	\$0	\$657,170	\$462,610	\$194,560
Site Survey	\$44,000	\$0	\$44,000	\$44,000	\$0	\$0	\$44,000	\$44,000	\$0
Wetlands	\$20,000	\$0	\$20,000	\$13,640	\$6,360	\$0	\$20,000	\$0	\$20,000
Hazardous Materials	\$269,830	\$0	\$269,830	\$48,950	\$220,880	\$0	\$269,830	\$30,877	\$238,953
Feasibility Environmental and Site	\$160,000	\$14,193	\$174,193	\$174,193	\$0	\$0	\$174,193	\$149,219	\$24,974
Other Feasibility Costs	\$65,000	-\$39,193	\$25,807	\$24,807	\$999	\$0	\$25,807	\$24,051	\$1,756
Traffic Studies	\$209,000	\$7,700	\$216,700	\$216,700	\$0	\$0	\$216,700	\$112,964	\$103,736
Other Reimbursable Costs	\$320,000	\$167,300	\$487,300	\$318,107	\$169,193	\$5,807	\$493,107	\$53,735	\$439,371
Printing (Over the Minimum)	\$40,000	\$0	\$40,000	\$0	\$40,000	\$0	\$40,000	\$0	\$40,000
Testing & Inspections	\$60,000	-\$4,250	\$55,750	\$0	\$55,750	\$0	\$55,750	\$0	\$55,750
<b>Subtotal</b>	<b>\$15,905,000</b>	<b>\$330,338</b>	<b>\$16,235,338</b>	<b>\$15,676,328</b>	<b>\$559,010</b>	<b>\$5,807</b>	<b>\$16,241,145</b>	<b>\$11,867,745</b>	<b>\$4,373,400</b>

**Town of Stoneham  
Stoneham High School**

**Project Budget and Cost Summary**



September 8, 2023

Description	BUDGET			COST				CASH FLOW	
	PFA Approved Budget	Authorized Changes	Approved Budget	Committed Costs	Uncommitted Costs	Forecast Costs	Total Project Costs	Expenditures to Date	Balance To Spend
<b>40 Administrative Costs</b>									
OPM Feasibility Study	\$105,000	\$0	\$105,000	\$105,000	\$0	\$0	\$105,000	\$105,000	\$0
OPM Design Development	\$380,000	\$0	\$380,000	\$380,000	\$0	\$0	\$380,000	\$380,000	\$0
OPM Construction Contract Documents	\$640,000	\$0	\$640,000	\$640,000	\$0	\$0	\$640,000	\$640,000	\$0
OPM Bidding	\$180,000	\$0	\$180,000	\$180,000	\$0	\$0	\$180,000	\$180,000	\$0
OPM Construction Contract Administration	\$3,185,100	\$0	\$3,185,100	\$3,185,100	\$0	\$0	\$3,185,100	\$895,500	\$2,289,600
OPM Closeout	\$220,000	\$0	\$220,000	\$220,000	\$0	\$0	\$220,000	\$0	\$220,000
OPM Testing and Inspections	\$560,000	\$0	\$560,000	\$220,000	\$340,000	\$0	\$560,000	\$100,126	\$459,874
OPM Supplemental Services	\$140,000	\$0	\$140,000	\$23,819	\$116,181	\$0	\$140,000	\$23,819	\$116,181
OPM Reimbursable & Other Services	\$80,000	\$0	\$80,000	\$14,569	\$65,431	\$0	\$80,000	\$14,569	\$65,431
Advertising	\$20,000	\$0	\$20,000	\$3,829	\$16,171	\$0	\$20,000	\$3,829	\$16,171
Other Administrative Costs	\$260,000	\$0	\$260,000	\$10,220	\$249,780	\$0	\$260,000	\$692	\$259,308
Utility Fees	\$200,000	\$0	\$200,000	\$159,328	\$40,672	\$0	\$200,000	\$159,328	\$40,672
Legal	\$120,000	\$0	\$120,000	\$6,660	\$113,340	\$0	\$120,000	\$6,660	\$113,340
Permitting	\$120,000	\$0	\$120,000	\$28,059	\$91,942	\$0	\$120,000	\$28,059	\$91,942
Owner's Insurance (OCIP)	\$200,000	\$0	\$200,000	\$0	\$200,000	\$0	\$200,000	\$0	\$200,000
Other Project Costs 1	\$360,000	\$0	\$360,000	\$0	\$360,000	\$0	\$360,000	\$0	\$360,000
<b>Subtotal</b>	<b>\$6,770,100</b>	<b>\$0</b>	<b>\$6,770,100</b>	<b>\$5,176,585</b>	<b>\$1,593,515</b>	<b>\$0</b>	<b>\$6,770,100</b>	<b>\$2,537,583</b>	<b>\$4,232,517</b>
<b>50 Furniture, Fixtures and Equipment</b>									
Furniture, Fixtures and Equipment	\$1,251,000	\$1,675,000	\$2,926,000	\$1,251,000	\$1,675,000	\$0	\$2,926,000	\$0	\$2,926,000
Technology/Computer Equipment	\$1,251,000	\$250,000	\$1,501,000	\$1,251,000	\$250,000	\$0	\$1,501,000	\$0	\$1,501,000
<b>Subtotal</b>	<b>\$2,502,000</b>	<b>\$1,925,000</b>	<b>\$4,427,000</b>	<b>\$2,502,000</b>	<b>\$1,925,000</b>	<b>\$0</b>	<b>\$4,427,000</b>	<b>\$0</b>	<b>\$4,427,000</b>
<b>Project Sub-Total</b>	<b>\$178,854,288</b>	<b>\$25,782,833</b>	<b>\$204,637,121</b>	<b>\$200,559,596</b>	<b>\$4,077,525</b>	<b>\$2,199,444</b>	<b>\$206,836,566</b>	<b>\$50,800,970</b>	<b>\$156,035,595</b>
<b>70 Project Contingency</b>									
Construction Contingency (Hard Cost) (5%)	\$7,670,933	-\$933,017	\$6,737,916	\$6,737,916	\$2,708,785	-\$2,193,637	\$4,544,278		\$4,544,278
Owner's Contingency (Soft Cost) (2%)	\$3,068,373	-\$359,588	\$2,708,785	\$2,708,785		-\$5,807	\$2,702,978		\$2,702,978
<b>Subtotal</b>	<b>\$10,739,306</b>	<b>-\$1,292,605</b>	<b>\$9,446,701</b>	<b>\$9,446,701</b>	<b>\$9,446,701</b>	<b>-\$2,199,444</b>	<b>\$7,247,257</b>		<b>\$7,247,257</b>
<b>Project Total</b>	<b>\$189,593,594</b>	<b>\$24,490,228</b>	<b>\$214,083,822</b>	<b>\$200,559,596</b>	<b>\$13,524,226</b>	<b>\$0</b>	<b>\$214,083,822</b>	<b>\$50,800,970</b>	<b>\$163,282,852</b>

## Project Minutes

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

Project No.: 20033  
 Meeting Date: 7/31/2023  
 Time: 10:00am  
 Meeting No: 54

## Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
	Raymie Parker	Select Board
✓	Dennis Sheehan	Town Administrator
✓	April Lanni	Town Procurement Officer / MCPPO Certified
	David Ljungberg	Superintendent of Schools
✓	Brian McNeil	Facilities Director
✓	Erin Wortman	Director, Planning and Community Development
✓	Susan McPhee	Energy Conservation Coordinator
	Olivia Brissette	Nexamp
✓	Ariel Kondiles	Nexamp
	Kelsey Shukis	Nexamp
✓	Mark Frigo	Nexamp
✓	Chris Perron	Nexamp
	Dee Watson	Nexamp
✓	Stephen Petrarca	Nexamp
✓	Jennifer Dukett	Nexamp
✓	Scott Sargent	Nexamp
✓	Lumumba Kamguia	Nexamp
✓	Kevin Loiselle	Nexamp
✓	Grace Taylor	Nexamp
	Brooke Trivas	Perkins and Will
	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	Ryan Flynn	BALA
	Steve Burke	Consigli
✓	Tom Michelman	SEA
✓	Robert Smith	SMMA
✓	Julie Leduc	SMMA
✓	Sarah Traniello	SMMA

Item #	Action	Discussion
54.1	<b>M.Frigo / D. Sheehan</b>	<p><b>Photovoltaic System - Agreements</b></p> <ol style="list-style-type: none"> <li>1. Draft SESS Agreement, Pilot Agreement and Lease Agreement:               <ol style="list-style-type: none"> <li>a. Nexamp sent back the SESS Agreement on April 19, 2023 and now all (3) documents: the Lease, Pilot Agreement and SESS Agreement are all with the Town Counsel, Attorney B.Galvin. D.Sheehan will follow up on its status with A. Lanni                   <ul style="list-style-type: none"> <li>• All documents are with Town attorneys for review/ approval. Ongoing: Contract is expected to be executed within the week.</li> <li>• [7/17/2023] – Ongoing. Attorney has returned from vacation. Final pricing needs to come in to finalize the Contract.</li> <li>• <b>[7/31/2023] – D.Sheehan advised that he is waiting on pricing from Nexamp before finalizing the Contract.</b></li> </ul> </li> <li>b. Nexamp is anticipating cost estimates by end of this week, pricing next week. After pricing is received, a meeting with the Town will be set to review the pricing package.                   <ul style="list-style-type: none"> <li>• There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol’s design and costs and PanelClaw’s design and costs.</li> <li>• Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw’s costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.</li> </ul> </li> <li>c. M.Frigo stated the permit is being finalized and expects to talk with Town Counsel and the Building Inspector, C.Noble, prior to submitting permit. Ongoing: Per M.Frigo email during week of June 20, 2023, the design would not be complete for 5 weeks at which time pricing would need to be provided in order to proceed with the Contract once agreed upon                   <ul style="list-style-type: none"> <li>• <b>Cost estimating will be performed. Vague date and email with estimated date. Hoping for within 10 days.</b></li> <li>• <b>[7/31/2023] – M.Frigo still has Permitting question with the Building Inspector, Cheryl Noble – Status: Pending.</b></li> </ul> </li> </ol> </li> </ol>
54.2	<b>G.Taylor / M.Frigo / S.Messinger</b>	<p><b>Nexamp Coordination - Canopies</b></p> <ol style="list-style-type: none"> <li>1. Nexamp confirmed all information has been received for the canopies.               <ol style="list-style-type: none"> <li>a. S.Messinger indicated it is a very important time in the project and all of the PV information, the roof especially, needs to be coordinated. G.Taylor provided 60% CD design documents late last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.</li> </ol> </li> <li>2. <b>Canopy Foundation Design and Lightning Protection:</b> R.Smith sent over questions to G.Taylor regarding coordination of Canopy Foundations for drainage connections and connecting the school Lightning Protection System for roof top solar panels.               <ol style="list-style-type: none"> <li>a. G.Taylor advised that the Engineering Team is looking into Lightning Protection for the panels. G.Taylor was asked about an update on the drainage question from previous meeting. G.Taylor advised drain locations were advised last fall.                   <ul style="list-style-type: none"> <li>• S.Messinger reminded that Perkins&amp;Will designed the New Stoneham High School building to have lightning protection built into the structure where it will take the electricity from a strike and channel it properly into the ground safely. S.Messinger advocated that Nexamp provide details with relation to the lightning protection for the canopies and the photovoltaic racks on the roof so that it can be coordinated to either connect with their lightning protection system or have its own independent of the building structure. Nexamp to advise.</li> <li>• M.Frigo will advise whether Nexamp’s Photovoltaic Panels and Canopies have their own lightning protection system, will need to be certified separately, or if they will be tied into the high school building structure’s lightning protection system. S.Messinger advised that</li> </ul> </li> </ol> </li> </ol>

Perkins&Will needs to know so that it can be coordinated. M.Frigo advised Nexamp can connect to the building structure and hopefully save making additional penetrations.

- M.Frigo advised that the canopies lightning protection needs to be planned and coordinated. Details to follow.
- Update: Lightning Protection Design, as well as panelboards, inverters, etc., will be incorporated in the 90% CD design Nexamp said they would be providing, ideally, by the end of this week.

S.Messinger stressed the criticality of coordination of these items once the 90% CD set is provided. M.Frigo asked G.Taylor if Lightning Protection was incorporated. G.Taylor advised she will follow up with Engineering. **S. Sargent to follow up with Engineer Francois of Parasol.**

3. **Foundation and Footings Design:** G.Taylor advised that their Designer, Parasol, has met with the Geotechnical Engineer and is working on the foundation design. J.Leduc and S.Messinger asked if Parasol is pushing forward with the design to have updates to share by weeks end. SMMA and P&W will follow up with G.Taylor on Friday during the Coordination Meeting. G.Taylor will get dates from them.
- a. G.Taylor provided 60% CD design documents last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.
  - b. Update was provided late prior week that Nexamp may not be able to get in and do footings or foundations this summer. Carports work was due to start on June 14, 2023 but it is uncertain to be starting as planned.
  - c. There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol's design and costs and PanelClaw's design and costs.
  - d. Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw's costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.
  - e. PanelClaw's Basis of Design is needed together with their cost estimate to be finalized in order to provide the interconnection cost which will be a bogey so that we can get the immediate work done.
  - f. Status: Ongoing. M.Frigo of Nexamp reiterated it was extremely unlikely Nexamp/Parasol are able to get the foundations for the canopies installed prior to the August 5, 2023 deadline as M.Frigo is unsure how long it will take for Parasol to get mobilized once the contracts are signed to begin the work. Window for performing the work is July 5, 2023 to August 5, 2023 to fit the schedule. In the event Parasol is unable to mobilize in time, SMMA stated that conversations were had with Consigli that their excavator subcontractor, Marois, is on site and able to do the footing/foundation work if Parasol will allow it. Financials would need to be figured out amongst all parties. M.Frigo stated he would need to speak with Parasol and will provide a response by the end of this week.
  - g. Status: Ongoing. J.Leduc asked when will we have footings? *M.Frigo has advised there will be no foundations this summer.* S.Messinger, R.Smith J.Leduc advised M.Frigo and G.Taylor that drainage and electrical and tapping off from footing will need to occur this summer. G.Taylor advised that the canopy designs are not finalized and there are 2 canopy locations that they are looking at placement. G.Taylor advised that the other canopy location has geotechnical issues that arise with ledge. Drainage on west parking lot and in East parking lot would either be minimal or grossly oversized and footings would be increased by 10-15%.
  - h. Stub-ups do not align with design intent. S.Messinger to send an email advising what they have and what information they are missing. For instance, right now, they should have the June 1, 2023 60% CD Drawings to work from. G.Taylor advised there were some slight changes that shifted piers last week around June 20, 2023. She advised there were plans to add Canopies but not in the North due

		<p>to ledge as one could walk off rock wall and stand on top of canopy. 90% CD Drawings and Pricing is 4-5 weeks away.</p> <ul style="list-style-type: none"> <li>i. <b>[7/17/2023] - Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. [7/31/2023] – Coordination shows that it is more than 1600 and less than 1900. Consigli did move irrigation sleeves over 5’ as requested and at 1900kva. Maximizing panels on rooftop is the understanding. Consigli and Perkins&amp;Will advised that design has not changed in parking lot but the grade has been raised.</b></li> </ul> <p>4. <b>Ongoing Important Next Steps:</b> R.Smith brought up the next part of the construction coordination is the parking lot canopy footing installation this summer. Consigli is providing a 1-month period from July 4, 2023, to August 4, 2023, for Nexamp to install the canopy foundations in the West parking lot. G.Taylor indicated they have 2 months on their schedule for foundation installation. G.Taylor to confirm if the 2 months includes the East parking lot because that is in the Construction area and not under the same time constraints. G.Taylor to get back with the team.</p> <ul style="list-style-type: none"> <li>a. Ongoing: Nexamp is finalizing design for footing/foundation information. Nexamp was asked by Perkins&amp;Will if they had a similar project with carport design sample that they can provide as a sample to assist Perkins&amp;Will in anticipation of how size, depth and where connections for drainage might occur until Nexamp is able to provide the Parking Lot information in lieu of drawing. T. Michelman reminded G.Taylor that the POI (Point of Interconnection) is not defined in the agreement. The Point of Interconnection information needs to be provided for coordination purposes to SMMA, Perkins&amp;Will, Consigli and their subs. <b>[7/17/2023] Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. Interconnection engineering onsite. Conduit site to J.Leduc, S.Messinger, R.Smith if Parasol has any questions regarding utilities and will forward. Interconnection Team – no update since pushing forward on the study and no input on study received yet. D.Sheehan has not had access to the Eversource Study since last week on the Study Account. Carport will be sent forward by O.Brissette Culvert is 5’ and O.Brissette confirmed they should be ok. Perkins&amp;Will had culvert in different spot on topo? Survey file from Nitsch requested. The file referenced x-survey file on hand. S.Messinger to call Nitsch and confirm requesting a clean file to send Nexamp with new CAD file for their use. [7/31/2023] – S.Messinger provided the new CAD file for Nexamp use.</b> <ul style="list-style-type: none"> <li>a. <b>S.Messinger asked S.Sargent what are you (Nexamp/Parasol) going to do with your soil? S. Sargent responded that Nexamp will need to coordinate where to move extra fill to address future issues.</b></li> <li>b. <b>D.Sheehan asked what will the quantity of soil be? What amount is going to be excavated? Consigli is aware but Parasol was not interested in our solution. The foundation locations and fill conditions need to be consulted before Nexamp/Parasol can respond. Nexamp was reminded that the final patch will need to be by next summer and final pave before school opens.</b></li> </ul> </li> </ul>
54.2	<b>G.Taylor /  M.Frigo /  Nexamp/  Parasol</b>	<b>Nexamp Coordination - Photovoltaics</b> <ul style="list-style-type: none"> <li>1. More detail is needed from Nexamp regarding why they have not put panels in specific areas on the roof and have in other areas. Responses of shading, wind analysis, cost tradeoffs of why they were not put across the roof were not provided. Engineers i.e. K.Shukis and O.Brissette will need to provide more detail. <ul style="list-style-type: none"> <li>a. G.Taylor advised Nexamp’s expertise as they have stated previously is placing panels in existing buildings. This building is not existing building, it is a new building and it is essential that we are not going to be marring what has been implemented for a new building by installing conduit haphazard. SMMA and Perkins&amp;Will have asked again for a meeting with Nexamp’s designers engineering the PV panels and canopies for coordination purposes. SMMA and</li> </ul> </li> </ul>

S.Sargent/  
L.Kamguia  
Nexamp

- Perkins&Will advised Nexamp that they want to have a meeting with PanelClaw and Parasol to iron out issues and expedite coordination without having a barrier of communication.
- G.Taylor advised that Nexamp’s team is hesitant to meet with the larger group of SMMA and Perkins&Will.
- b. M.Frigo is going to follow up and see what he can do to coordinate a meeting of some kind. J.Leduc advised that the meeting would be herself, D.Sheehan from the Town, P.Cunningham and/or S.Messinger of Perkins&Will. P.Cunningham advised that Perkins&Will can test the aesthetics by testing wall cavity exposure. G.Taylor was asked if she had been able to take the 4 plans she provided and overlay them into 1 plan so that the systems could be coordinated correctly aligning. G.Taylor advised not yet and she would have it as 1 plan view soon.
2. **Conduits:** G.Taylor sent snippet via email of rooftop layout of solar panels and R.Smith requested an actual drawing with more information regarding conduits, detail, etc. as the image was difficult to see and insufficient to provide information to work with to move forward.
- a. Nexamp advised by S.Messenger this is a critical item and need definition on how conduits will get from A to B. How much conduit needs to go from A to be and be coordinated within this zone needs to be carefully coordinated due to the wood ceiling below. Inverters and panelboards and conduit through walls need to be coordinated.
    - **[7/31/2023] - S.Sargent to connect to check on the coordination of conduit as it seems to be 99% there – expected to be final in the next few weeks. L.Kamguia to synthesize the conduits.**
3. **Fasteners:** Nexamp needs to provide information about fasteners referenced and requested by S.Messinger based on their Designer’s diagrams because they are what is preventing the wind uplift. There are notations about the fasteners but no specificity and this is much needed information as their designs are on different lefts and attaching to the deck and roof needs to be specified appropriately to ensure that there will be no problems. There will be a leak detection system that is in place for strategic design and constructability. Unforeseen penetrations should not happen if planned correctly.
- a. J.Leduc advised that the roof metal decking is going down and SMMA, Consigli and Perkins&Will teams need to know if there is sufficient metal plate area provided for ballasts and to have penetrations fastened to for the panels.
  - b. M.Frigo and G.Taylor when asked during this project about examples of prior layouts that could be used as examples, SMMA, Perkins&Will and Consigli have been repeatedly told Nexamp is not installing panels and canopies on new project sites and buildings but on those that are existing. However, if this is the case and there are no metal plates on the building structure underneath the roofing membrane, what is Nexamp doing to attach the panels securely on the roof? Wouldn’t you need to have a metal plate that is as big as if not larger than the panel that is being placed on the roof underneath so that it can be adhered securely? J.Leduc further asked what happens to the roof when you do not have a metal plate on the roof? G.Taylor and M.Frigo advised that it depends on the building, the application and provided no further explanation.
4. **Roof Warranty:** J.Leduc advised Nexamp that the Town, SMMA, Perkins&Will and Consigli are working together to coordinate as many of the details as possible ahead of the actual installation to avoid the potential of voiding the roof warranty or worse yet damaging the roof resulting in interior damage to the new school.
- a. The project will have Greenwood warranty the roof and a roof scan will be performed before any photovoltaic panels are installed by Nexamp through their designers PanelClaw and Parasol.
  - b. Any work performed on the roof will need to be done by certified solar installers. R.Smith advised that Nexamp will need to hire the services of a roofing manufacturer approved roofing company to perform a presurvey and post survey inspection. It would be in the best interest of the project if they hired the same roofing company Greenwood who is installing the new roof. Nexamp will be responsible for the roofing warranty associated with PV penetrations.
  - c. M.Frigo agreed that the roofing warranty is something that should be addressed. It is essential that this be done correctly the first time as we only get one chance

G.Taylor/  
M.Frigo/  
Nexamp

- to do it right as there is no do over when it comes to the damage that can be sustained if the roofing fails due to penetrations puncturing roof membrane.
5. **Panel Size / Wattage / Maximizing Panel Design Per Agreement:** Town is waiting for Nexamp to advise on the number of roof penetrations. G.Taylor advised current design is with a larger panel design and may have more penetrations.
    - a. P.Cunningham addressed this change to get assurance the metrics and output will be for Stoneham to meet its goals.
    - b. Nexamp was asked to provide detailed design layout, panel size, wattage, and metrics showing the panel design per agreement and the current design with its layout, panel size, wattage, and metrics.
      - 540 Watt panel per agreement replaced with 580 Watt panel in current design
    - c. S.Messinger asked if the Town received the metrics and output information. R.Smith and D.Sheehan advised the metrics and output information had not been provided yet. Energy generation has not been provided by Nexamp based on design for PanelClaw has an ETA of 1-2 weeks before their release of the 90% CDs. All utilities and site prep will be final at that time so we will not need to amend.
    - d. **Interconnection:** Late Q3/Q4 Eversource interconnection then Commissioning next summer would need to be done before the end of Fall/Winter construction. Electrical Transformer to Eversource point to connect. The School Department wants more details of what is involved for noise, activity, conduit connection and disruption of service during said periods of construction as school will be in session. Nexamp advised that Eversource's list of tasks would need to be provided for the project and coordinated as needed for expediting purposes as much as possible within ongoing activities.
    - e. Ongoing: S.Messinger walked through the Excel document outlining battery life, output, and inquired when the next update will occur to the metrics based on the layout that was provided in the sets received last week. G.Taylor mentioned that it will be updated for the 90% CD set that is forthcoming. It was also explained that the battery life will remain 2 hours, as they are oversized and it removes the need for full replacements in 11 years as previously specified.
    - f. **[7/17/2023] The energy numbers need to get closer to the targeted amount as originally agreed upon in the Contract and should be meeting closer to 16/30. The CD energy model numbers should be the target and should be validated by Thornton Tomasetti's sports lighting as Thornton Tomasetti is the scorekeeper. The secondary would be the higher of the two numbers. S.Messinger advised that it should be more like 16/40 in the main building plus the entire stadium building and that doesn't include the sports lighting. There needs to be some cushion i.e. 10% built in to allow for technology changes, plug loads, end user habits, air leakage to allow to meet the 16/40 and have enough flexibility to allow for any degradation that make occur over time of the panels (100 or higher). L.Kamguia advised Nexamp to proceed with 16/40 and 16/30. Need to finalize carpports and roof.**
  6. **Maximizing Roof Design Layout for District ROI Benefit:** G.Taylor indicated that Nexamp is currently working on a relocation plan to maximize the panels on the space on the main roof and to relocate panels from auditorium low roof while trying to keep the penetrations down to a minimum. Additional panels and penetrations on roof based on conversations with A.Kondiles and G.Taylor are 500 down to 80 to maximize. Would it change the cost of energy being delivered? Not encroaching on the mechanical units and maintenance of these units on the roof. Racking redesign is being done to coordinate for how many additional penetrations to be made. Nexamp is awaiting that number to quantify final panel layout. Town needs to know the financial benefit of adding more panels to the roof of their building and what the value is in it for the Town to max out the condition. S.Messinger asked if these metrics were provided yet and R.Smith, D.Sheehan and T.Michelman confirmed the data is still outstanding. Nexamp is awaiting that number to quantify final panel layout. Town needs to know the financial benefit of adding more panels to the roof of their building and what the value is in it for the Town to max out the condition. S.Messinger asked if these metrics were provided yet and R. Smith, D.Sheehan



54.6	S. McPhee	<p><b>EV Charging Stations</b></p> <ol style="list-style-type: none"> <li>1. R.Smith indicated there was a kick-off meeting with the Town, Susan McPhee, SMMA and Christopher Andrade of Eversource to coordinate the EV requirements for Eversource and the project.</li> <li>2. The Town was approved for the “Make Ready” funding which is for the design and installation of the underground conduits from the transclosure cabinet at the South end of the site to the charging stations in the Northeast parking lot.             <ul style="list-style-type: none"> <li>• Coordination Meetings continue with Christopher Andrade of Eversource. Ongoing. Finalizing design with regards to being ok with the ADA accessible spot. There are 9 due to ADA Accessible Act. 5 Alternate dual head add 6<sup>th</sup> single head. Pricing for whole scenario with 6<sup>th</sup> conduits home run conduits – not significant costs – do not want to spend this money. Conduit runs are paid for Make Ready and Support for chargers. School Superintendent Ljungberg and School Principal Lombardi need to define use of spaces on the site. Follow up needs to be done with David Ljungberg and Bryan Lombardi. It is important to have as many chargers as possible. Ice Arena photos ADA/EV requirements + Code EV and ADA and ADA Requirements may get a little sticky/complicated. 1 Additional single head charging and/or 2 additional single head chargers. ADA – Make Ready – 5 Dual Head Chargers is standard plus ADA + EV Requirements? Need to go through formal process and comply so it is funded. May need additional conduits due to Code updates.</li> </ul> </li> </ol>
54.7	Record	<p><b>Eversource Energy Efficiency Program</b></p> <p>R Smith indicated that Eversource is still reviewing the final energy model and (MRD) Minimum Required Documents and the Back of the House Study done by Thornton Tomasetti. Eversource finalized and work will start to go in. R.Smith will see where the application stands and update on its status right now. Studies will run concurrently and conclude by July 12, 2023 with the latest feedback. The Impact Study results will be back July 12, 2023. Once completed they will send the application to the Town and copy SMMA on the email. They could not provide a time frame on when they would be complete. R.Smith indicated no updated from Eversource. Eversource will email Town when application is ready. R.Smith indicated the Town has signed the application and returned the applications back to Eversource on May 25, 2023. Ongoing. Eversource Study should be done by the middle of July 2023 as the interconnecting utility is usually a specified number of days per G.Taylor. G.Taylor will advise what the number of days the Eversource Study is prescribed to be. J.Leduc asked M.Frigo to send to her the Eversource contact info for the point of contact for the study.</p>
54.8	<p>Nexamp</p> <p>Nexamp</p> <p>Record</p> <p>Record</p>	<p><b>Upcoming Milestone Information</b></p> <ul style="list-style-type: none"> <li>• The next layout of the smaller layout from the July 11, 2023 meeting with a 2-week turnaround is July 26, 2023 at the latest in progress in parallel mounting mechanism onto roof to ensure water tight and pose leakage risk. Draft or close to final by July 26, 2023. L.Kamguia will have a draft of these documents on July 26, 2023. <b>[7/31/2023] – Roof elements are good enough for pricing carport parallel options. Expect final design options this week. Awaiting follow up with Engineer Francois at Parasol as the carport is to be finalized today or tomorrow.</b></li> </ul> <p><b>Wind Load Study by PanelClaw</b></p> <ul style="list-style-type: none"> <li>• Information arrived from PanelClaw. Ballast and half (1/2) ballast system</li> <li>• Provide data question from where wind load is coming</li> <li>• Wind Loads for dipping on energy load and certain locations and number of penetrations on roof – wind load data and how used and will follow up with information.</li> <li>• <b>[7/31/2023] – Explanation was provided to J.Leduc regarding how wind loads were calculated and continue to be calculated for position and placement of solar panels on roof.</b></li> </ul> <p><b>Nexamp Team Contact Information</b></p> <ul style="list-style-type: none"> <li>• M.Frigo to provide to the Town, SMMA, Perkins&amp;Will and Consigli teams the contact and team role information for those engineers and executives on the call for best coordination and communication moving forward.</li> <li>• <b>[7/31/2023] – M.Frigo sent email with updated parties contact information with Nexamp team communication parties for ongoing communication for project.</b></li> </ul>

Project: New Stoneham High School

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	<b>D.Sheehan/ M.Frigo</b>	<b>Eversource Interconnection Source</b> <ul style="list-style-type: none"><li>D.Sheehan will work on and poke Eversource to push them on this project as advocate. <b>[7/31/2023] – D.Sheehan to follow up with Eversource again to check on the status of the Interconnection Study. M.Frigo advised he will also follow up with Eversource from his side as well.</b></li></ul>
54.9	<b>Record</b>	Next <b>Green Building Initiatives Meeting:</b> <b>Monday, August 14, 2023 at 10:00am, remote.</b>

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

## Project Minutes

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

Project No.: 20033  
 Meeting Date: 8/14/2023  
 Time: 10:00am  
 Meeting No: 55

## Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
	Raymie Parker	Select Board
✓	Dennis Sheehan	Town Administrator
✓	April Lanni	Town Procurement Officer / MCPPO Certified
	David Ljungberg	Superintendent of Schools
✓	Brian McNeil	Facilities Director
✓	Erin Wortman	Director, Planning and Community Development
	Susan McPhee	Energy Conservation Coordinator
	Olivia Brissette	Nexamp
✓	Ariel Kondiles	Nexamp
✓	Kelsey Shukis	Nexamp
	Mark Frigo	Nexamp
	Chris Perron	Nexamp
✓	Dee Watson	Nexamp
	Stephen Petrarca	Nexamp
✓	Jennifer Dukett	Nexamp
✓	Scott Sargent	Nexamp
	Lumumba Kamguia	Nexamp
	Kevin Loiselle	Nexamp
✓	Grace Taylor	Nexamp
	Brooke Trivas	Perkins and Will
✓	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	Ryan Flynn	BALA
	Steve Burke	Consigli
✓	Tom Michelman	SEA
	Robert Smith	SMMA
✓	Julie Leduc	SMMA
✓	Sarah Traniello	SMMA

Item #	Action	Discussion
55.1	<b>M.Frigo / D. Sheehan</b>	<p><b>Photovoltaic System - Agreements</b></p> <ol style="list-style-type: none"> <li>1. Draft SESS Agreement, Pilot Agreement and Lease Agreement:               <ol style="list-style-type: none"> <li>a. Nexamp sent back the SESS Agreement on April 19, 2023 and now all (3) documents: the Lease, Pilot Agreement and SESS Agreement are all with the Town Counsel, Attorney B.Galvin. D.Sheehan will follow up on its status with A. Lanni                   <ul style="list-style-type: none"> <li>• All documents are with Town attorneys for review/ approval. Ongoing: Contract is expected to be executed within the week.</li> <li>• [7/17/2023] – Ongoing. Attorney has returned from vacation. Final pricing needs to come in to finalize the Contract.</li> <li>• <b>[7/31/2023] – D.Sheehan advised that he is waiting on pricing from Nexamp before finalizing the Contract.</b></li> <li>• <b>[8/14/2023] – Able to finalize Contract. D.Sheehan has no concerns. M.Frigo needs final design from Parasol. K.Shukis to update.</b></li> </ul> </li> <li>b. Nexamp is anticipating cost estimates by end of this week, pricing next week. After pricing is received, a meeting with the Town will be set to review the pricing package.                   <ul style="list-style-type: none"> <li>• There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol’s design and costs and PanelClaw’s design and costs.</li> <li>• Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw’s costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.</li> </ul> </li> <li>c. M.Frigo stated the permit is being finalized and expects to talk with Town Counsel and the Building Inspector, C.Noble, prior to submitting permit. Ongoing: Per M.Frigo email during week of June 20, 2023, the design would not be complete for 5 weeks at which time pricing would need to be provided in order to proceed with the Contract once agreed upon                   <ul style="list-style-type: none"> <li>• <b>Cost estimating will be performed. Vague date and email with estimated date. Hoping for within 10 days.</b></li> <li>• <b>[7/31/2023] – M.Frigo still has Permitting question with the Building Inspector, Cheryl Noble – Status: Pending.</b></li> </ul> </li> </ol> </li> </ol>
55.2	<b>G.Taylor / M.Frigo / S.Messinger</b>	<p><b>Nexamp Coordination - Canopies</b></p> <ol style="list-style-type: none"> <li>1. Nexamp confirmed all information has been received for the canopies.               <ol style="list-style-type: none"> <li>a. S.Messinger indicated it is a very important time in the project and all of the PV information, the roof especially, needs to be coordinated. G.Taylor provided 60% CD design documents late last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.</li> </ol> </li> <li>2. <b>Canopy Foundation Design and Lightning Protection:</b> R.Smith sent over questions to G.Taylor regarding coordination of Canopy Foundations for drainage connections and connecting the school Lightning Protection System for roof top solar panels.               <ol style="list-style-type: none"> <li>a. G.Taylor advised that the Engineering Team is looking into Lightning Protection for the panels. G.Taylor was asked about an update on the drainage question from previous meeting. G.Taylor advised drain locations were advised last fall.                   <ul style="list-style-type: none"> <li>• S.Messinger reminded that Perkins&amp;Will designed the New Stoneham High School building to have lightning protection built into the structure where it will take the electricity from a strike and channel it properly into the ground safely. S.Messinger advocated that Nexamp provide details with relation to the lightning protection for the canopies and the photovoltaic racks on the roof so that it can be coordinated to either connect with their lightning protection system or have its own independent of the building structure. Nexamp to advise.</li> </ul> </li> </ol> </li> </ol>

- M.Frigo will advise whether Nexamp's Photovoltaic Panels and Canopies have their own lightning protection system, will need to be certified separately, or if they will be tied into the high school building structure's lightning protection system. S.Messinger advised that Perkins&Will needs to know so that it can be coordinated. M.Frigo advised Nexamp can connect to the building structure and hopefully save making additional penetrations.
- M.Frigo advised that the canopies lightning protection needs to be planned and coordinated. Details to follow.
- Update: Lightning Protection Design, as well as panelboards, inverters, etc., will be incorporated in the 90% CD design Nexamp said they would be providing, ideally, by the end of this week. S.Messinger stressed the criticality of coordination of these items once the 90% CD set is provided. M.Frigo asked G.Taylor if Lightning Protection was incorporated. G.Taylor advised she will follow up with Engineering. **S. Sargent to follow up with Engineer Francois of Parasol.**

3. **Foundation and Footings Design:** G.Taylor advised that their Designer, Parasol, has met with the Geotechnical Engineer and is working on the foundation design. J.Leduc and S.Messinger asked if Parasol is pushing forward with the design to have updates to share by weeks end. SMMA and P&W will follow up with G.Taylor on Friday during the Coordination Meeting. G.Taylor will get dates from them.

- a. G.Taylor provided 60% CD design documents last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.
- b. Update was provided late prior week that Nexamp may not be able to get in and do footings or foundations this summer. Carports work was due to start on June 14, 2023 but it is uncertain to be starting as planned.
- c. There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol's design and costs and PanelClaw's design and costs.
- d. Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw's costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.
- e. PanelClaw's Basis of Design is needed together with their cost estimate to be finalized in order to provide the interconnection cost which will be a bogey so that we can get the immediate work done.
- f. Status: Ongoing. M.Frigo of Nexamp reiterated it was extremely unlikely Nexamp/Parasol are able to get the foundations for the canopies installed prior to the August 5, 2023 deadline as M.Frigo is unsure how long it will take for Parasol to get mobilized once the contracts are signed to begin the work. Window for performing the work is July 5, 2023 to August 5, 2023 to fit the schedule. In the event Parasol is unable to mobilize in time, SMMA stated that conversations were had with Consigli that their excavator subcontractor, Marois, is on site and able to do the footing/foundation work if Parasol will allow it. Financials would need to be figured out amongst all parties. M.Frigo stated he would need to speak with Parasol and will provide a response by the end of this week.
- g. Status: Ongoing. J.Leduc asked when will we have footings? *M.Frigo has advised there will be no foundations this summer.* S.Messinger, R.Smith J.Leduc advised M.Frigo and G.Taylor that drainage and electrical and tapping off from footing will need to occur this summer. G.Taylor advised that the canopy designs are not finalized and there are 2 canopy locations that they are looking at placement. G.Taylor advised that the other canopy location has geotechnical issues that arise with ledge. Drainage on west parking lot and in East parking lot would either be minimal or grossly oversized and footings would be increased by 10-15%.
- h. Stub-ups do not align with design intent. S.Messinger to send an email advising what they have and what information they are missing. For instance, right now,

they should have the June 1, 2023 60% CD Drawings to work from. G.Taylor advised there were some slight changes that shifted piers last week around June 20, 2023. She advised there were plans to add Canopies but not in the North due to ledge as one could walk off rock wall and stand on top of canopy. 90% CD Drawings and Pricing is 4-5 weeks away.

- i. **[7/17/2023] - Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. [7/31/2023] – Coordination shows that it is more than 1600 and less than 1900. Consigli did move irrigation sleeves over 5’ as requested and at 1900kva. Maximizing panels on rooftop is the understanding. Consigli and Perkins&Will advised that design has not changed in parking lot but the grade has been raised.**
4. **Ongoing Important Next Steps:** R.Smith brought up the next part of the construction coordination is the parking lot canopy footing installation this summer. Consigli is providing a 1-month period from July 4, 2023, to August 4, 2023, for Nexamp to install the canopy foundations in the West parking lot. G.Taylor indicated they have 2 months on their schedule for foundation installation. G.Taylor to confirm if the 2 months includes the East parking lot because that is in the Construction area and not under the same time constraints. G.Taylor to get back with the team.
  - a. Ongoing: Nexamp is finalizing design for footing/foundation information. Nexamp was asked by Perkins&Will if they had a similar project with carport design sample that they can provide as a sample to assist Perkins&Will in anticipation of how size, depth and where connections for drainage might occur until Nexamp is able to provide the Parking Lot information in lieu of drawing. T. Michelman reminded G.Taylor that the POI (Point of Interconnection) is not defined in the agreement. The Point of Interconnection information needs to be provided for coordination purposes to SMMA, Perkins&Will, Consigli and their subs. [7/17/2023] Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. Interconnection engineering onsite. Conduit site to J.Leduc, S.Messinger, R.Smith if Parasol has any questions regarding utilities and will forward. Interconnection Team – no update since pushing forward on the study and no input on study received yet. D.Sheehan has not had access to the Eversource Study since last week on the Study Account. Carport will be sent forward by O.Brissette Culvert is 5’ and O.Brissette confirmed they should be ok. Perkins&Will had culvert in different spot on topo? Survey file from Nitsch requested. The file referenced x-survey file on hand. S.Messinger to call Nitsch and confirm requesting a clean file to send Nexamp with new CAD file for their use. [7/31/2023] – S.Messinger provided the new CAD file for Nexamp use.
    - a. **S.Messinger asked S.Sargent what are you (Nexamp/Parasol) going to do with your soil? S. Sargent responded that Nexamp will need to coordinate where to move extra fill to address future issues.**
    - b. **D.Sheehan asked what will the quantity of soil be? What amount is going to be excavated? Consigli is aware but Parasol was not interested in our solution. The foundation locations and fill conditions need to be consulted before Nexamp/Parasol can respond. Nexamp was reminded that the final patch will need to be by next summer and final pave before school opens.**
    - c. **[8/14/2023] Nexamp advised that Parasol must be 10’ off property line – Needs to be confirmed. Awaiting responses from Weston Sampson – no response from Stephanie Bridges of Weston Sampson. M.Frigo will follow up again. Need information in order to move forward.**
    - d. **J.Leduc shared picture showing the parking lot with the new binder down on the parking lot.**

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		<p>e. <b>M.Frigo advised K.Shukis to ping and reach out to Parasol. K.Shukis should have PDF back by close of business (8/14/2023) as Designer reached back.</b></p>
55.3	<p><b>G.Taylor / M.Frigo / Nexamp/ Parasol</b></p> <p><b>S.Sargent/ L.Kamguia Nexamp</b></p>	<p><b>Nexamp Coordination - Photovoltaics</b></p> <ol style="list-style-type: none"><li>1. More detail is needed from Nexamp regarding why they have not put panels in specific areas on the roof and have in other areas. Responses of shading, wind analysis, cost tradeoffs of why they were not put across the roof were not provided. Engineers i.e. K.Shukis and O.Brissette will need to provide more detail.<ol style="list-style-type: none"><li>a. G.Taylor advised Nexamp's expertise as they have stated previously is placing panels in existing buildings. This building is not existing building, it is a new building and it is essential that we are not going to be marring what has been implemented for a new building by installing conduit haphazard. SMMA and Perkins&amp;Will have asked again for a meeting with Nexamp's designers engineering the PV panels and canopies for coordination purposes. SMMA and Perkins&amp;Will advised Nexamp that they want to have a meeting with PanelClaw and Parasol to iron out issues and expedite coordination without having a barrier of communication.<ul style="list-style-type: none"><li>• G.Taylor advised that Nexamp's team is hesitant to meet with the larger group of SMMA and Perkins&amp;Will.</li></ul></li><li>b. M.Frigo is going to follow up and see what he can do to coordinate a meeting of some kind. J.Leduc advised that the meeting would be herself, D.Sheehan from the Town, P.Cunningham and/or S.Messinger of Perkins&amp;Will. P.Cunningham advised that Perkins&amp;Will can test the aesthetics by testing wall cavity exposure. G.Taylor was asked if she had been able to take the 4 plans she provided and overlay them into 1 plan so that the systems could be coordinated correctly aligning. G.Taylor advised not yet and she would have it as 1 plan view soon.</li></ol></li><li>2. <b>Conduits:</b> G.Taylor sent snippet via email of rooftop layout of solar panels and R.Smith requested an actual drawing with more information regarding conduits, detail, etc. as the image was difficult to see and insufficient to provide information to work with to move forward.<ol style="list-style-type: none"><li>a. Nexamp advised by S.Messenger this is a critical item and need definition on how conduits will get from A to B. How much conduit needs to go from A to be and be coordinated within this zone needs to be carefully coordinated due to the wood ceiling below. Inverters and panelboards and conduit through walls need to be coordinated.<ul style="list-style-type: none"><li>• <b>[7/31/2023] - S.Sargent to connect to check on the coordination of conduit as it seems to be 99% there – expected to be final in the next few weeks. L.Kamguia to synthesize the conduits.</b></li></ul></li></ol></li><li>3. <b>Fasteners:</b> Nexamp needs to provide information about fasteners referenced and requested by S.Messinger based on their Designer's diagrams because they are what is preventing the wind uplift. There are notations about the fasteners but no specificity and this is much needed information as their designs are on different lefts and attaching to the deck and roof needs to be specified appropriately to ensure that there will be no problems. There will be a leak detection system that is in place for strategic design and constructability. Unforeseen penetrations should not happen if planned correctly.<ol style="list-style-type: none"><li>a. J.Leduc advised that the roof metal decking is going down and SMMA, Consigli and Perkins&amp;Will teams need to know if there is sufficient metal plate area provided for ballasts and to have penetrations fastened to for the panels.</li><li>b. M.Frigo and G.Taylor when asked during this project about examples of prior layouts that could be used as examples, SMMA, Perkins&amp;Will and Consigli have been repeatedly told Nexamp is not installing panels and canopies on new project sites and buildings but on those that are existing. However, if this is the case and there are no metal plates on the building structure underneath the roofing membrane, what is Nexamp doing to attach the panels securely on the roof? Wouldn't you need to have a metal plate that is as big as if not larger than the panel that is being placed on the roof underneath so that it can be adhered securely? J.Leduc further asked what happens to the roof when you do not have a metal plate on the roof? G.Taylor and M.Frigo advised that it depends on the building, the application and provided no further explanation.</li></ol></li></ol>

G.Taylor/  
M.Frigo/  
Nexamp

4. **Roof Warranty:** J.Leduc advised Nexamp that the Town, SMMA, Perkins&Will and Consigli are working together to coordinate as many of the details as possible ahead of the actual installation to avoid the potential of voiding the roof warranty or worse yet damaging the roof resulting in interior damage to the new school.
  - a. The project will have Greenwood warranty the roof and a roof scan will be performed before any photovoltaic panels are installed by Nexamp through their designers PanelClaw and Parasol.
  - b. Any work performed on the roof will need to be done by certified solar installers. R.Smith advised that Nexamp will need to hire the services of a roofing manufacturer approved roofing company to perform a presurvey and post survey inspection. It would be in the best interest of the project if they hired the same roofing company Greenwood who is installing the new roof. Nexamp will be responsible for the roofing warranty associated with PV penetrations.
  - c. M.Frigo agreed that the roofing warranty is something that should be addressed. It is essential that this be done correctly the first time as we only get one chance to do it right as there is no do over when it comes to the damage that can be sustained if the roofing fails due to penetrations puncturing roof membrane.
5. **Panel Size / Wattage / Maximizing Panel Design Per Agreement:** Town is waiting for Nexamp to advise on the number of roof penetrations. G.Taylor advised current design is with a larger panel design and may have more penetrations.
  - a. P.Cunningham addressed this change to get assurance the metrics and output will be for Stoneham to meet its goals.
  - b. Nexamp was asked to provide detailed design layout, panel size, wattage, and metrics showing the panel design per agreement and the current design with its layout, panel size, wattage, and metrics.
    - 540 Watt panel per agreement replaced with 580 Watt panel in current design
  - c. S.Messinger asked if the Town received the metrics and output information. R.Smith and D.Sheehan advised the metrics and output information had not been provided yet. Energy generation has not been provided by Nexamp based on design for PanelClaw has an ETA of 1-2 weeks before their release of the 90% CDs. All utilities and site prep will be final at that time so we will not need to amend.
  - d. **Interconnection:** Late Q3/Q4 Eversource interconnection then Commissioning next summer would need to be done before the end of Fall/Winter construction. Electrical Transformer to Eversource point to connect. The School Department wants more details of what is involved for noise, activity, conduit connection and disruption of service during said periods of construction as school will be in session. Nexamp advised that Eversource's list of tasks would need to be provided for the project and coordinated as needed for expediting purposes as much as possible within ongoing activities.
  - e. Ongoing: S.Messinger walked through the Excel document outlining battery life, output, and inquired when the next update will occur to the metrics based on the layout that was provided in the sets received last week. G.Taylor mentioned that it will be updated for the 90% CD set that is forthcoming. It was also explained that the battery life will remain 2 hours, as they are oversized and it removes the need for full replacements in 11 years as previously specified.
  - f. **[7/17/2023] The energy numbers need to get closer to the targeted amount as originally agreed upon in the Contract and should be meeting closer to 16/30. The CD energy model numbers should be the target and should be validated by Thornton Tomasetti's sports lighting as Thornton Tomasetti is the scorekeeper. The secondary would be the higher of the two numbers. S.Messinger advised that it should be more like 16/40 in the main building plus the entire stadium building and that doesn't include the sports lighting. There needs to be some cushion i.e. 10% built in to allow for technology changes, plug loads, end user habits, air leakage to allow to meet the 16/40 and have enough flexibility to allow for any degradation that make occur over time of the panels (100 or higher). L.Kamguia advised Nexamp to proceed with 16/40 and 16/30. Need to finalize carports and roof.**



55.5	A. Lanni	<p><b>Prevailing Wages</b></p> <ol style="list-style-type: none"> <li>1. A. Lanni will provide wage rates from DLS in Spring 2023 once Nexamp’s construction start is confirmed. To be discussed at the Construction Coordination Meeting on Friday. <b>(Ongoing).</b></li> </ol>
55.6	J. Dukett/ M.Frigo	<p><b>Updated Request for Pricing</b>  Nexamp will update pricing when information is available.</p> <ul style="list-style-type: none"> <li>• <b>Pricing based on Parasol and PanelClaw’s Design Packages needs to be provided once the SESSA is in place. Nexamp will provide pricing which will then need to be submitted for approval.</b></li> </ul>
55.7	S. McPhee	<p><b>EV Charging Stations</b></p> <ol style="list-style-type: none"> <li>1. R.Smith indicated there was a kick-off meeting with the Town, Susan McPhee, SMMA and Christopher Andrade of Eversource to coordinate the EV requirements for Eversource and the project.</li> <li>2. The Town was approved for the “Make Ready” funding which is for the design and installation of the underground conduits from the transclosure cabinet at the South end of the site to the charging stations in the Northeast parking lot. <ul style="list-style-type: none"> <li>• Coordination Meetings continue with Christopher Andrade of Eversource. Ongoing. Finalizing design with regards to being ok with the ADA accessible spot. There are 9 due to ADA Accessible Act. 5 Alternate dual head add 6<sup>th</sup> single head. Pricing for whole scenario with 6<sup>th</sup> conduits home run conduits – not significant costs – do not want to spend this money. Conduit runs are paid for Make Ready and Support for chargers. School Superintendent Ljungberg and School Principal Lombardi need to define use of spaces on the site. Follow up needs to be done with David Ljungberg and Bryan Lombardi. It is important to have as many chargers as possible. Ice Arena photos ADA/EV requirements + Code EV and ADA and ADA Requirements may get a little sticky/complicated. 1 Additional single head charging and/or 2 additional single head chargers. ADA – Make Ready – 5 Dual Head Chargers is standard plus ADA + EV Requirements? Need to go through formal process and comply so it is funded. May need additional conduits due to Code updates.</li> <li>• <b>[8/14/2023] – D.Sheehan asked about the cost for installation of the pad. R.Smith will be there to do the EV Charging Station call. D.Sheehan advised we will need to bring to the SBC. S. Messinger received copy for end of this week meeting. Interim costs need to be discussed. Agree with change requests of who is paying for what is confirmed as correct. Design Team confirming accurate charges.</b></li> <li>• <b>A.MacNeil will be counting bollards and will be present on Thursday’s meeting to learn who is reimbursed and for what.</b></li> <li>• <b>J.Leduc advised that usually the cost is \$10k per bollard and count will be needed to know specifically how many are needed and what the cost will be.</b></li> </ul> </li> </ol>
55.8	D.Sheehan/ M.Frigo	<p><b>Eversource Energy Efficiency Program</b></p> <p>R Smith indicated that Eversource is still reviewing the final energy model and (MRD) Minimum Required Documents and the Back of the House Study done by Thornton Tomasetti. Eversource finalized and work will start to go in. R.Smith will see where the application stands and update on its status right now. Studies will run concurrently and conclude by July 12, 2023 with the latest feedback. The Impact Study results will be back July 12, 2023. Once completed they will send the application to the Town and copy SMMA on the email. They could not provide a time frame on when they would be complete. R.Smith indicated no updated from Eversource. Eversource will email Town when application is ready. R.Smith indicated the Town has signed the application and returned the applications back to Eversource on May 25, 2023. Ongoing. Eversource Study should be done by the middle of July 2023 as the interconnecting utility is usually a specified number of days per G.Taylor. G.Taylor will advise what the number of days the Eversource Study is prescribed to be. J.Leduc asked M.Frigo to send to her the Eversource contact info for the point of contact for the study.</p> <ul style="list-style-type: none"> <li>• <b>[8/14/2023] – Follow up emails have been sent. D. Sheehan to follow up with Eversource representatives to get answer on the status of the study.</b></li> </ul>

55.9	<p>Nexamp</p> <p>Nexamp</p> <p>Nexamp</p> <p>Record</p> <p>D.Sheehan/ M.Frigo</p>	<p><b>Upcoming Milestone Information</b></p> <ul style="list-style-type: none"> <li>• <b>[8/14/2023] - Metal Strips:</b> S.Messinger advised that it worked out sort of but cannot guarantee anchor points are where they need to go but need to get them spot on so it is 2" in either direction and guarantee solar panels will be fastened to them at those locations.             <ul style="list-style-type: none"> <li>○ <b>Master CAD file from March was being used from the 100% instead of the latest and panels need to be confirmed on the grid lines provided in the latest version provided by Perkins&amp;Will. G.Taylor providing update from O.Brissette. S.Messinger to get sketch together by end of day today (August 14, 2023 or tomorrow, August 15, 2023 as promised). Diagram needs to be confirmed with underlay grid. K.Shukis to check if other than O.Brissette can do while O.Brissette is out of the office. Awaiting K.Shukis response.</b></li> </ul> </li> <li>• The next layout of the smaller layout from the July 11, 2023 meeting with a 2-week turnaround is July 26, 2023 at the latest in progress in parallel mounting mechanism onto roof to ensure water tight and pose leakage risk. Draft or close to final by July 26, 2023. L.Kamguia will have a draft of these documents on July 26, 2023. <b>[7/31/2023] – Roof elements are good enough for pricing carport parallel options. Expect final design options this week. Awaiting follow up with Engineer Francois at Parasol as the carport is to be finalized today or tomorrow.</b></li> </ul> <p><b>Wind Load Study by PanelClaw</b></p> <ul style="list-style-type: none"> <li>• Information arrived from PanelClaw. Ballast and half (1/2) ballast system</li> <li>• Provide data question from where wind load is coming</li> <li>• Wind Loads for dipping on energy load and certain locations and number of penetrations on roof – wind load data and how used and will follow up with information.</li> <li>• <b>[7/31/2023] – Explanation was provided to J.Leduc regarding how wind loads were calculated and continue to be calculated for position and placement of solar panels on roof.</b></li> </ul> <p><b>Eversource Interconnection Source</b></p> <ul style="list-style-type: none"> <li>• D.Sheehan will work on and poke Eversource to push them on this project as advocate. <b>[7/31/2023] – D.Sheehan to follow up with Eversource again to check on the status of the Interconnection Study. M.Frigo advised he will also follow up with Eversource from his side as well. [8/14/2023] – D.Sheehan advised that Eversource is making the power connection in the street and will be double checking to confirm if it happened or not.</b></li> </ul>
55.10	Record	<p><b>Next Green Building Initiatives Meeting:</b> <i>Monday, August 28, 2023 at 10:00am, remote.</i></p>

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



Maura Healey, Governor  
Kimberley Driscoll, Lieutenant Governor  
Gina Fiandaca, Secretary & CEO  
Jonathan L. Gulliver, Highway Administrator



July 25, 2023

Erin Wortman  
Director of Planning & Community Development  
35 Central Street  
Stoneham, MA 02180  
Via email: EWortman@stoneham-ma.gov

Dear Erin Wortman:

Thank you for applying to MassDOT's Local Bottleneck Reduction Program during the Fiscal Year 2024 funding round. I am pleased to inform you that Stoneham's application for improvements at the intersection of Franklin Street with Stevens Street and Benjamin Terrace has been selected to advance to a site visit.

As detailed in the [program guidance](#), municipalities selected for a site visit will be connected directly to a MassDOT-led design consultant. This consultant team will conduct a site visit with Stoneham to inform a preliminary scope of work to be reviewed by MassDOT. MassDOT will determine whether the proposed project elements are likely to meaningfully improve bottleneck conditions, are within the scope of the program, and are likely to be accomplished within the maximum construction grant allowance of \$500,000. Please note that an award for construction is not guaranteed and will vary based on the scope of work necessary to improve the bottleneck location.

Projects that are approved to advance beyond the site visit are designed entirely by the consultant firm assigned by MassDOT at no cost to the community. After a completed design is approved by MassDOT, construction funding is provided via a reimbursement-based grant. Communities are wholly responsible for the advertisement and construction of the project, as well as any costs beyond the awarded amount. Further details on project implementation are [available online](#).

MassDOT will assign Stoneham to one of the program's onboarded design firms shortly. A member of the assigned consultant team will reach out via email to schedule the site visit in four to six weeks. The municipality must make all pertinent signal equipment available to MassDOT and its consultant during the site visit. MassDOT looks forward to working with you on this important project. Please reach out to [LocalBottleneckGrants@dot.state.ma.us](mailto:LocalBottleneckGrants@dot.state.ma.us) with any questions.

Sincerely,

Jonathan L. Gulliver  
Highway Administrator

cc: Kristen Pennucci, MassDOT Community Grants Program Administrator

# AUDITORIUM FIXED SEATING DONOR PLATES

## 3D VIEW OF STONEHAM SEATS



**OPTIONAL DONOR PLATE**

## EXAMPLE SEATS WITH DONOR PLATES



**DONOR PLATE**

## Agenda

Project:	New Stoneham High School	Project No.:	20033
Re:	School Building Committee Meeting	Meeting Date:	9/11/2023
Prepared by:	Julie Leduc	Meeting Time:	7:00 PM
Meeting Location:	Central Middle School Library & Remote Participation	Meeting No.	73
Distribution:	Attendees (MF)		

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1. Call to Order
2. Vote to Enter Executive Session and Return to Open Session
  - M.G.L. c.30A, Sec. 21(a)(4) – To discuss the deployment of security personnel or devices, or strategies with respect thereto.
3. Approval of Minutes
4. Approval of Invoices and Commitments
  - Approval of Warrant No. 46
  - Approval of Change Order No. 20
  - Perkins&Will's Amendment 27 – Exhaust Dispersion and Design
  - Perkins&Will's Amendment 28 – Environmental Branding Services
  - Amendment No. 1 to Statement of Work #2 for Sustainable Energy Advantage
5. Budget and Schedule Update
6. Construction Update
  - Construction Progress Activities
7. Subcommittee Updates
  - Green Building Initiatives Update
  - PR Subcommittee Update
    - Timur Gray
  - Time Capsule Update
8. ARPA Funds & Earmark Discussion
9. Traffic Signals Discussion
10. Auditorium Fixed Seating Donor Plates Discussion
11. Discussion/Correspondence/New Items
12. Committee Questions
13. Public Comments
14. Next Meeting: October 16, 2023

Join: <https://meet.goto.com/899396765>

Dial: +1 (872) 240-3311      Access Code: 899-396-765

*The items listed are those reasonably anticipated by the Co-Chairs which may be discussed at the meeting. Not all items may in fact be discussed and other items not anticipated may also be brought up for discussion to the extent permitted by law.*

1000 Massachusetts Avenue  
Cambridge, MA 02138  
617.547.5400

[www.smma.com](http://www.smma.com)

## Project Minutes

Project: New Stoneham High School Project No.: 20033  
 Prepared by: Sarah Traniello Meeting Date: 8/21/2023  
 Re: School Building Committee Meeting Time: 7:00pm  
 Location: Central Middle School Media Center & Remote Participation Meeting No: 72  
 Distribution: Attendees (MF)

## 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
Remote	Josephine Thomson	Community Member	Voting Member
✓	Jeanne Craigie	Town Moderator	Voting Member
✓	Lisa Gallagher	Community Member; School Secretary; Past member, Middle School Building Committee	Voting Member
✓	Sharon Iovanni	Community Member	Voting Member
✓	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
	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
Remote	Brian McNeil	Town Facilities Director	Non-Voting Member
✓	April Lanni	Town Procurement Officer / MCPPO Certified	Non-Voting Member
✓	Brooke Trivas	Perkins&Will	
✓	Stephen Messinger	Perkins&Will	
	Patrick Cunningham	Perkins&Will	
	Brad Pineau	Perkins&Will	
✓	Lizzy Dame	Perkins&Will	
✓	Steve Banak	Consigli Construction	
✓	Andrew MacNeil	Consigli Construction	
✓	Todd McCabe	Consigli Construction	
✓	Robert Smith	SMMA	
Remote	Sarah Traniello	SMMA	
✓	Julie Leduc	SMMA	

Item #	Action	Discussion
72.1	Record	Call to Order, 7:00 PM, meeting opened.
72.2	Record	This meeting will be held via video conference and in person and will be posted on the Town's website.
72.3	Record	<p><b>Approval of Minutes</b></p> <p>A motion was made by J. Craigie and seconded by S. Iovanni to approve the 7/17/23 School Building Committee meeting minutes.            All in favor, motion passed.</p>
72.4	Record	<p><b>Approval of Invoices and Commitments</b></p> <ul style="list-style-type: none"> <li>• <b>Warrant No. 45</b>            J. Leduc reviewed Warrant No. 45, attached. Perkins&amp;Will's Invoice No. 0202275 for a total of \$153,245.59 from \$123,025.00 in Construction Administration; Consultant invoices in the amount of \$17,174.74 under Amendment No. 21 and Other Reimbursable Costs for LEED Certification and Fee in the amount of \$13,045.85; SMMA's Invoice No. 59776 for Construction Administration in the amount of \$99,500.00; Consigli Construction Co.'s Requisition No. 13 for \$4,198,245.04.           <ul style="list-style-type: none"> <li>• D. Gove representing the Finance Subcommittee presented the Finance Subcommittee's recommendation for approval of Warrant No. 45 as presented in the full amount of \$4,450,990.63.</li> <li>• A motion was made by J. Craigie and seconded by D. Pignone to approve Warrant No. 45. All in favor, motion passed.</li> </ul> </li> <li>• <b>Change Order No. 18</b>            S.Messinger reviewed Change Order No. 18 in the amount of \$80,762.91, attached. S.Messinger reviewed and summarized the description of Allowance Transfer: AT-035 MEPFP Beam Penetrations; Budget Transfers: BT-22 for Stadium Structural Steel and Decking and BT-23 for Roof Steel Revisions at Skylight; Change Requests: CR-047 Area D Façade Support Revisions for a CREDIT of \$35,202.24; CR-078 Foodservice Commercial Steamer for a CREDIT of \$7,982.92; CR-097 AV RFIs 209 and 210 for \$5,847.49; CR-098 Fireproofing Revisions for a CREDIT of \$36,507.00; CR-112 Power Study &amp; Panel Revisions for \$9,078.51; CR-114 Fan Coil Box Electrical Revisions for a CREDIT of \$996.75; CR-131 Duct Credit for a CREDIT of \$15,000.00; Contingency Transfers: CT-026 D18 Metal Decking Area D; CT-027 Premium Time, June-July 2023; CT-028 Rooftop Mechanical Equipment; CT-029 Area D Entry Doors; CR-030 Third Party Steel Coatings Review; CT-033 Drywall Partition Head Track; CT-035 Elevator Hoistway Bearing Plates; and CT-037 HVAC Clarifications. J. Leduc advised that the Finance Subcommittee met immediately prior to the School Building Committee Meeting and reviewed this Change Order.           <ul style="list-style-type: none"> <li>• D.Gove representing the Finance Subcommittee presented the Finance Subcommittee's recommendation for approval of Change Order No. 18 as presented in the full credit amount of \$80,762.91.</li> <li>• R.Parker asked about CR-078 Food Service Commercial Steamer and if the School Staff Members had been notified. J.Craigie responded</li> </ul> </li> </ul>

Item #	Action	Discussion
		<p>advising she too asked the same question in the review and discussion of the change requests. The staff was notified, and this change was made for the purpose of water conservation which also contributed to achieving LEED points in sustainability. It is actually easier because it is filling one pan and it is done. S.Iovanni asked about CR131 if there is no change in the gauge of the ductwork does the ductwork still pass inspection from the Building Inspector. S. Messinger advised the ductwork would pass as it is approved by SMACNA.</p> <ul style="list-style-type: none"> <li>• A motion made by D. Gove and seconded by J. Craigie to approve Change Order No. 18. All in favor, motion passed.</li> <li>• <b>Change Order No. 19</b>            S.Messinger reviewed Change Order No. 19 in the amount of \$0.00, consisting of Reconciled Buyouts 030, 031, 032 and 033, attached. J. Leduc reviewed and summarized the description of Reconciled Buyout RB-030 Site Concrete (OAL #037); RB-031 Landscaping (OAL #038); RB-032 Fixed Louvers (OAL #039); and RB-033 Firestopping (OAL #040). J. Leduc advised that the Finance Subcommittee met immediately prior to the School Building Committee Meeting and reviewed this Change Order.           <ul style="list-style-type: none"> <li>• J. Craigie representing the Finance Subcommittee presented the Finance Subcommittee's recommendation for approval of Change Order No. 19 as presented in the full amount of \$0.</li> <li>• Motion in favor made by D. Gove and seconded by J. Craigie to approve Change Order No. 19. All in favor, motion passes.</li> </ul> </li> </ul>
72.5	Record	<p><b>Budget and Schedule Update</b></p> <ul style="list-style-type: none"> <li>• <b>Budget Update</b> <ul style="list-style-type: none"> <li>○ Project is 16% complete</li> <li>○ Tracking in Potential Risk: \$1,243,444 are changes that have not been vetted yet to become Change Requests that go into an upcoming Change Order. We are tracking Contingency to \$8,297,494 according to the most recent budget and \$9,540,938.00 of both hard and soft cost contingency.</li> </ul> </li> <li>• <b>Schedule Update</b> <ul style="list-style-type: none"> <li>○ S.Banak advised that Consigli is 99.9% complete with the parking lot with the striping markings and signage ahead of school coming into session. The Traffic Plan with the new Traffic Pattern that was revised from last year.</li> <li>○ D.Gove asked how is the drainage for the parking lots? <i>B.Smith advised that it went into Stormwater #2 and did not filled up one chamber. There has been no water above the stones during the tremendous rainstorms last week. It looks great.</i></li> <li>○ S.Banak and A.MacNeil advised that construction is currently 12 workdays behind and the critical path is through coordination. Major 2A area was released for fabrication, 3C is next and 3B which is mostly classrooms and being performed in succession to be signed off this week. All options have been incentivized with all the subcontractor teams and nothing is off the table at this time. Right now, we break it out with</li> </ul> </li> </ul>

Item #	Action	Discussion
		<p>more work time for interior and exterior spaces, MEP work released, interior wall framing progressing up to Level 3 and down to Level 1; will finish slab-on-grade with a lot in B and will get this month and progress C to B to A or progress from the south end to the north end of the school over next couple of weeks to D Building. Slab-on-grade poured in A building in the next couple of weeks and progress will keep going into D. Steel work is done with odds and ends. Concrete slabs and interior/MEP trades, seating risers, can flow right into D. On the exterior the critical thing is getting the permanent roof being laid down. Air Vapor Barrier down offers some protection but getting that roof down really starts to tighten up the envelope and allows us to keep going. Framing and sheathing of walls, membrane and window blocking C down to A. Lintel up and soffit first and framing are the biggest over the next 4 weeks. We hope to start exterior masonry by the time of the next meeting.</p> <ul style="list-style-type: none"> <li>○ R.Parker asked if there was going to be more striping? R.Parker advised that she parked where many of the teachers would park today. It was difficult to see the arrows as the arrows seem to have faded. Arrows will need to be clearer with more striping and/or more defined as some seem to have worn away like in front of the current gym. The access road did have arrows to show direction but they do not seem to be there any longer. <i>A.MacNeil advised that Consigli will make sure they are refreshed.</i></li> <li>○ J.Craigie asked do subcontractors have enough manpower? <i>S.Banak advised while manpower is a concern right now in this industry, it is not an issue for us. Consigli has been closely monitoring on an ongoing basis.</i></li> <li>○ S.Iovanni asked about status of the arrival of the school's switchgear? <i>Consigli and its subcontractor have been tracking and it is on schedule at this time – no later than February 15th. Other major equipment is starting to come in as well.</i></li> </ul>
72.6	Record	<p><b>Construction Update Photos</b>          Construction update provided by B.Smith as he reviewed the July drone image and followed by additional photos showing the progress</p> <ul style="list-style-type: none"> <li>• July Drone image</li> <li>• Area D - Sheathing is on now.</li> <li>• Air Vapor Barrier on main roof</li> <li>• Roof has Air Vapor Barrier</li> <li>• Parking Lot, Scrim and Fencing</li> <li>• West Corridor, Classrooms, ductwork and locker bays, gym track and corridor soffit and the plumbing, electrical and HVAC is coming in</li> <li>• Pressure and hydronic tests have been performed in all the plumbing and water pipes in B and C and 230 psi testing has been performed</li> <li>• Electrician has put in his back boxes and running his MC cables tel/data</li> <li>• Sheetrock and acoustical ceiling has been put in between the top of the wall and the spray-on fireproofing</li> </ul>

Item #	Action	Discussion
72.7	Record	<p><b>Subcommittee Updates</b></p> <ul style="list-style-type: none"> <li>• <b>Green Building Initiatives Update</b> <ul style="list-style-type: none"> <li>○ J. Leduc advised we are still working on the Nexamp contract and awaiting the results of the Eversource Interconnect Study. Drawings from Nexamp for the Photovoltaics and the Carports are in progress with them. We will have a Change Order to the project for some Metal Flute Spanning Strips so that we can make sure that photovoltaics are fastened to the roof correctly so that if wind encounters the photovoltaics that it does not rip the photovoltaics right off the roof. That will be a change that will be coming up in the next month or so. We are still waiting to execute the Contract and it is contingent on the Eversource Interconnect Study.</li> <li>○ PV special anchors are needed because the roof was designed to be PV-ready but through the design process the solar panels have changed. In the best interest of the roof integrity and avoiding future damage that could occur to the roof membrane and possibly create vulnerabilities. Original plans from Nexamp had over 400 punctures shown on the plans which created a concern for the roof warranty. Adding these PV special anchors aids in the prevention of said punctures with the roof being concrete and sheathing protecting and self-healing and taken out so mechanically anchoring the panels is important, so the barrier is not punctured.</li> </ul> </li> <li>• <b>EV Charging Stations</b> <ul style="list-style-type: none"> <li>○ There was an EV Charging Station Meeting that occurred over the past month and during that meeting there were conversations about credits to the project from Eversource and change orders to the project to get the chargers to where they need to be. The change orders to the project have not yet been vetted by Perkins&amp;Will and SMMA but it will be done soon. One thing that did come up in conversation with the MSBA was that we currently have a Bid PFA Amendment in the works. A Project Funding Agreement (PFA) was signed for the project and then we went to bid and found that the bids came in high we went back to Town Meeting and were provided with additional funding. The additional funding is added to the Project Funding Agreement (PFA) as an Amendment and in process with the MSBA. It is our understanding from the MSBA that any changes that result from the photovoltaics or electronic charging stations will have to be included in the Amendment. If the cost was outside of doing the project, meaning it was installed after the project was turned over to the MSBA then we would not need to be concerned about it. Not only do we have to review the costs associated with the EV and the PV but we will need to add that total cost to the project. We just learned this late last week from our MSBA Project Manager, Ashley Smith, and it is a work in progress.</li> <li>○ J.Craigie asked if this is a significant amount of money? <i>J.Leduc advised that the EV change order came in at approximately \$500k to run the power from the front of the building around the building. The change order has not yet been vetted. B.Smith was very thorough in</i></li> </ul> </li> </ul>

Item #	Action	Discussion
		<p>his EV meeting the other day. He has made sure that the subcontractors break out their costs out in a specific way so that it has been sent back to them and asked to revise accordingly. When it is received back, it will be reviewed with a fine-toothed comb like all of our requests. For the photovoltaics we are trying to shake out the process to learn if we no longer do a PPA and just buy the solar canopy and photovoltaics outright it would cost the project money upfront that it may not have. We have agreed to move forward with the PPA so the costs are undetermined at the moment and will keep you posted when we have more information.</p> <ul style="list-style-type: none"> <li>○ J.Craigie asked when we have the EV chargers, will be charging people to use them? Is that something in the purview of this committee? Will they be getting free electricity for their vehicles? J.Leduc advised that this is still being discussed. J.Craigie advised that there were EV chargers that were incredibly abused down at the arena and it was free and now it is being charged.</li> <li>○ D. Gove asked that at one time the EV chargers were not going to be put in because it would affect Stoneham's NetZero status but now the EV chargers are back in. When did they get put back in? J. Leduc advised B.Smith may be able to advise on the timeline. D. Gove advised for a \$500k fee for it to be back in when it was not necessarily in before, it needs confirmation. B.Smith advised that when the breakout between the transclosure to the EV Distribution Center is done, it comes to \$190k and that portion is 100% reimbursed. The next area that is broken out is capped out at \$67k and then there is another reimbursement for just the EV chargers which is around \$28k.</li> <li>○ Does this impact our NetZero status? NetZero rating?</li> </ul>
72.8	S.Traniello/ SMMA	<ul style="list-style-type: none"> <li>• <b>PR Subcommittee</b> <ul style="list-style-type: none"> <li>○ <b>Newspaper Article</b> <ul style="list-style-type: none"> <li>▪ T.Gray's article was received by S.Iovanni and will be published in the newspaper and he will attend the September 11, 2023 SSBC meeting. T.Gray did an internship on the SHS project and was a pleasure to work with including performing UTS soil compaction testing and working with B.Smith, wrote an article. T.Gray would like to return in the Fall to interview members of the Consigli, SMMA and P&amp;W teams and StonehamTV onsite to utilize some of his senior privilege time. Inspired through seeing his father taking construction photography and then seeing the construction from inside the high school with the blasting and the construction equipment.</li> </ul> </li> <li>○ <b>Town Day</b> <ul style="list-style-type: none"> <li>▪ Town Day has 2 spaces for the SSBC at no cost.</li> <li>▪ Town Day is scheduled for Saturday, September 23, 2023, with rain date of Sunday, September 24, 2023. Need volunteers and S.Traniello will send out signup sheet for volunteers to assist on Town Day.</li> <li>▪ Some suggested doing journals at Town Day and Boards to share.</li> </ul> </li> </ul> </li> </ul>

Item #	Action	Discussion
	S.Traniello/ SMMA	<ul style="list-style-type: none"> <li>• <b>Time Capsule Working Group</b> <ul style="list-style-type: none"> <li>○ J.Craigie held meeting while M.Craigie on vacation.               <ul style="list-style-type: none"> <li>▪ School Department purchased the Time Capsule for the Central Middle School</li> <li>▪ Every class decided what they wanted to do, collectively or as a group</li> <li>▪ 6 Journals to be written in by citizens to go into the time capsule</li> <li>▪ Journals can be brought to the Back-To-School nights</li> <li>▪ Journals can be wrapped in acid paper and placed into the time capsule</li> <li>▪ B.McNeil provided tables, chairs, and tent for Town Day. S.Iovanni will follow up and he dropped off and picked up.</li> <li>▪ Schedule Time Capsule Working Group and PR Subcommittee Meeting – S.Traniello will schedule</li> </ul> </li> </ul> </li> </ul>
72.9	Record	<p><b>Amphitheater Cost Discussion</b></p> <p>B.Trivas and D. Warner of Warner Larson provided update regarding the Amphitheater Options A, B, C and D with Pricing Options 1, 2, 3 and 4. Overall SSBC decision was for Option D with the Pricing Option 2 for the Stone Veneer. <i>This would result in about \$197k above the allocation for amphitheater and it would come out of contingency.</i></p> <p>S.McNeill raised the concern about sideline seating for spectators for sightlines being into the back of the players. <i>D. Warner advised the seating linear footage can be flipped so that it is longer run at the top and shorter row in the bottom as a modification in Design Development phase to modify sight lines so that visibility is better.</i></p> <p>Approved to move forward with decision for amphitheater planning and installation next summer with Consigli.</p> <p>Selection Option D2 – Stone Veneer Prefab for Small Visitor’s Midfield Seating for 200 people with Large Amphitheater Seating 160 people with 720 total linear feet of wall was estimated to be \$687k total cost by Consigli or \$954/linear foot.</p> <p>Motion made by R.Parker and seconded by J.Craigie to approve Option D2 – Stone Veneer Prefab for Amphitheater and Designer Amendment will be forthcoming.</p>
72.10	Record	<p><b>Branding Discussion</b></p> <p>B.Trivas provided Perkins&amp;Will’s presentation of creating the means of storytelling, sense of place, community, belonging and a cohesive theme through the new Stoneham High School. Decision needs to be made sooner than later because visioning will need to take place. Consigli is concerned about the timeline as it will be adding scope and shop drawings for fabrication and installation.</p> <ul style="list-style-type: none"> <li>○ <i>Spartan Place – end and soffit</i></li> <li>○ <i>Outside of Gym 80’x46’</i></li> <li>○ <i>PreK Entry Wall / Lunchroom</i></li> <li>○ <i>Athletic South Side</i></li> <li>○ <i>Competition Court</i></li> </ul>

Item #	Action	Discussion
		<ul style="list-style-type: none"> <li>○ <i>Bleacher Logo</i></li> <li>○ <i>History Lab</i></li> <li>○ <i>Outside Fins</i></li> </ul> <p>Perkins&amp;Will Additional Service Proposal for \$175k for Environmental Branding Costs was approved by the SSBC and Designer Amendment will be created by a soft cost contingency transfer to facilitate. Design Fee is to create the story for Stoneham and the materials are already included in the project budget.</p> <p>Approved to move forward with decision for amphitheater planning and installation next summer with Consigli.</p> <p>Motion for a not-to-exceed \$175,000 made by J. Craigie and seconded by C.Mashburn to approve Environmental Graphics Services and Designer Amendment will be forthcoming. One abstention, otherwise unanimous.</p>
	Record	<p><b>Scoreboard Discussion</b></p> <p>D. Pignone advised that traditionally it has been the Boosters who have worked with Sponsors to put their advertising on the scoreboards – 5 Scoreboards</p> <ul style="list-style-type: none"> <li>• Should the Committee see if Area Businesses are interested in Sponsoring a Scoreboard.</li> <li>• Need to check with School Committee and School Department for their policies on scoreboards and sponsorships.           <ul style="list-style-type: none"> <li>▪ Table until next month after review of scoreboards</li> <li>▪ Top or bottom panel</li> <li>▪ Lead time – process and foundations</li> <li>▪ Top and bottom – size 25’ \$2,500 size 12’ to 14’ \$1,000 to 1,500</li> </ul> </li> <li>• School Committee Policy for 2025 Access</li> <li>• North and South Athletic Fields are turned over in 2025</li> </ul> <p>Due Diligence to be performed for further review and discussion to be for a future meeting.</p>
72.11	Record	<b>Public Comment</b> – None
72.12	Record	<b>Next SSBC Meeting: Monday, October 16, 2023 at 7:00 pm.</b>
72.13	Record	<p>A Motion was made by M. Christie and seconded by J. Craigie to enter into executive session and not to return to this meeting.</p> <p>All in favor, motion passed unanimously.</p>

Attachments: Agenda, Meeting Minutes of 7/17/23, Warrant No. 45, Change Order No. 18, Change Order No. 19, Budget Update, Construction Update PowerPoint Presentation, Consigli Logistics Plan, Amphitheater Design Options and Pricing; Perkins&Will Environmental Graphics Proposal Presentation; Perkins&Will Scoreboard Presentation.

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

**John Cutler**  
**29 Bates St. Mendon, MA**  
**John.Cutler7576@gmail.co m**  
**(774)-307-0061**

## **Education**

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**Quinnipiac University, Hamden, CT**  
Bachelor of Science, Economics  
Year of Graduation: 2020

## **Work Experience**

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**Hill International, New Revere DPW Project, Project Manager** 2021-2023

Providing project management services during the design and construction phases for the new Department of Public Works facility in the City of Revere. The new \$26 million, 39,000 SF facility will house most of Revere's infrastructure maintenance departments. Responsible for coordinating communications between contractor, client, site personnel, and consulting engineers. Assisted with the prequalification and procurement processes during the design phase. During the construction phase responsible for reviewing and tracking wage rates, certified payrolls, submittals, RFIs, PCOs, and the construction schedules. Additional responsibilities include maintaining and updating the project budget, processing invoice and contract amendment requests, facilitating weekly OAC meetings, and facilitating the coordination of third-party vendors with the General Contractor.

**Hill International, New Concord Middle School Project, Assistant Project Manager** 2021-2023

Providing project management services during the feasibility, schematic design, contract documents, and bidding phases of the new \$111 million, 147,000 SF Concord Middle School. As a member of the team, attending all meetings during design and construction to assist with managing the quality of the project to ensure a successful completion as it relates to "on time" and within budget. Responsible for assisting with the prequalification and procurement processes during the design phase. Additional responsibilities include maintaining and updating the project budget, processing invoices and contract amendment requests.

**Hill International, Mansfield High School MSBA ARP, Project Manager** 2021-2023

Providing Project management services for the Mansfield High School boiler replacement project. Responsible for coordinating communications between contractor, client, site personnel, and consulting engineers. Responsible for project scheduling, financial monitoring, design review, construction monitoring, MSBA submissions, MSBA reporting, and closeout documents. John is responsible for maintaining and updating the project schedule, project budget, vendor invoice requests, MSBA monthly reporting, MSBA design phase submissions, facilitating owners and design meetings, and MSBA ProPay requests.

**Hill International, Raymond E. Shaw Middle School, Move Coordinator** 2021-2022

Provided move management services for the Millbury Elementary School project. Responsibilities included assisting with the procurement of movers, creation of a master inventory log, creation of a logistics plan, and providing training for the school staff in preparation for the timely and successful move.

**Cort Furniture, Logistics Coordinator, Operations manager** 2019-2021

Assisted with recording inventory of existing furniture along with creating a pick and pull sheet for all outbound inventory. Implemented both a system for tracking material and a recycling program for unused or expired material.

**Mastodon Moving, Logistics Coordinator**

2017-2019

Worked with the CEO on reformatting warehouse schematics in order to create a more streamlined system for easier navigation. Reorganized the warehouse to maximize the space resulting in greater storage capacity. Created inventory logs for projects including items of specific size, weight and quantity.

**Certifications**

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**OSHA 30**

2021

**Massachusetts Certified Public Purchasing Official (MCPPO)**

2022

**Skills**

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**Controls:** Microsoft Word, Microsoft Power point, Google Documents, Microsoft Excel, Bluebeam

**Bilingual:** Fluent in Spanish

-Learned to read, write, and speak in Spanish at the same time as I learned in English

# Warrant No. 46

Project: Stoneham High School, Stoneham, Massachusetts Project No.: 20033  
 Prepared by: Julie Leduc and Sarah Traniello Date: 9/11/2023

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>
Perkins & Will	0202806		9/5/2023	\$ 123,025.00	0201-0700	\$ 2,829,575.00
Perkins & Will	0202806	AM21	9/5/2023	\$ 4,422.11	0204-0300	\$ 53,451.00
Perkins & Will	0202806	AM22	9/5/2023	\$ 330.00	0203-9900	\$ 73,228.10
SMMA	59931		9/11/2023	\$ 99,499.76	0102-0700	\$ 2,190,100.00
SMMA	59931	AM3	9/11/2023	\$ 21,909.80	0602-0000	\$ 97,964.20
Consigli Construction Co.	14		8/31/2023	\$ 4,605,863.10	See SOV	\$ 136,203,177.72
<b>RETAINAGE</b>						
		CM Fee	0502-0010	\$ 71,321.25	0502-0010	\$ 3,753.75
		CM Staffing	0502-0100	\$ 234,701.30	0502-0100	\$ 12,352.70
		General Requirements	0502-0100	\$ 345,878.11	0502-0100	\$ 18,204.11
		Concrete	0502-0300	\$ 234,342.90	0502-0300	\$ 12,333.84
		Masonry	0502-0400	\$ 55,907.50	0502-0400	\$ 2,942.50
		Metals	0502-0500	\$ 274,945.75	0502-0500	\$ 11,207.75
		Thermal & Moisture Protection	0502-0700	\$ 53,423.25	0502-0700	\$ 2,811.75
		Doors & Windows	0502-0800	\$ 4,275.00	0502-0800	\$ 225.00
		Finishes	0502-0900	\$ 664,905.00	0502-0900	\$ 34,995.00
		Specialties	0502-1000	\$ 475.00	0502-1000	\$ 25.00
		Elevator	0502-1400	\$ 107,665.88	0502-1400	\$ 5,666.63
		Plumbing	0502-2200	\$ 184,998.25	0502-2200	\$ 9,736.75
		HVAC	0502-2300	\$ 1,036,576.35	0502-2300	\$ 54,556.65
		Electrical	0502-2600	\$ 460,275.00	0502-2600	\$ 24,225.00
		Electronic Safety and Security	0502-2800	\$ 5,700.00	0502-2800	\$ 300.00
		Earthwork Subtotal	0502-3100	\$ 869,297.50	0502-3100	\$ 45,752.50
		Change Order No. 14	0508-0014	\$ 4,275.00	0508-0014	\$ 225.00
				<b>Total</b>	<b>\$ 4,855,049.77</b>	

\_\_\_\_\_  
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 \_\_\_\_\_

1000 Massachusetts Avenue  
Cambridge, MA 02138  
617.547.5400

www.smma.com

# Perkins&Will

# Invoice

September 5, 2023

Project No: 153010.000

Invoice No: 0202806

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

Stoneham High School - FS-Closeout

**Professional Services: through August 25, 2023**

**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	0202806
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	100.00	4,921,000.00	4,921,000.00	0.00	0.00	
Bidding	1,124,800.00	100.00	1,124,800.00	1,124,800.00	0.00	0.00	
Construction Administration 3.125	3,936,800.00	31.25	1,230,250.00	1,107,225.00	123,025.00	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	89.1111	30,877.00	30,877.00	0.00	0.00	
Amendment #13	0.00	0.00	0.00	0.00	0.00	0.00	
Geotechnical - LGLI	55,429.00	100.00	55,429.00	55,429.00	0.00	0.00	
Amendment #14	0.00	0.00	0.00	0.00	0.00	0.00	
Geo-environmental - FS Engineers	13,640.00	100.00	13,640.00	13,640.00	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	87.2914	74,800.00	74,800.00	0.00	0.00	
Amendment #16	0.00	0.00	0.00	0.00	0.00	0.00	
Test Well - McPhail	122,650.00	99.958	122,598.46	122,598.46	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	52.1292	112,963.93	112,963.93	0.00	0.00	
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 #21	0.00	0.00	0.00	0.00	0.00	0.00	
Geotech-Lahlaf	168,074.00	68.1979	114,623.00	110,200.89	4,422.11	0.00	
Amendment #22	0.00	0.00	0.00	0.00	0.00	0.00	
Geothermal-McPhail E2	154,000.00	52.4493	80,771.90	80,441.90	330.00	0.00	
Amendment #23	0.00	0.00	0.00	0.00	0.00	0.00	
Soil Samples - FS Engineers	5,500.00	100.00	5,500.00	5,500.00	0.00	0.00	
Amendment #24	0.00	0.00	0.00	0.00	0.00	0.00	
Additional CD approvals	184,588.00	100.00	184,588.00	184,588.00	0.00	0.00	
Amendment #25	0.00	0.00	0.00	0.00	0.00	0.00	
Amphitheater	45,000.00	15.00	6,750.00	6,750.00	0.00	0.00	
Amendment #26	0.00	0.00	0.00	0.00	0.00	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	0202806
Site Revised Grading	57,750.00	27.1429	15,675.00	5,775.00	9,900.00	
Total Fee	15,434,464.14		11,953,885.21	11,816,208.10	137,677.11	
<b>Total Fee</b>					<b>137,677.11</b>	
<b>Total this Invoice</b>					<b>\$137,677.11</b>	

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 Chicago, IL 60694-1181

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

**TERMS** Net 30 Days



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

September 11, 2023  
 Project No: 20033.00  
 Invoice No: 0059931

Project 20033.00 Stoneham High School OPM Services  
Professional Services from August 5, 2023 to September 1, 2023

**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	100.00	640,000.00	640,000.00	0.00
Bidding	180,000.00	100.00	180,000.00	180,000.00	0.00
Construction Administration	3,185,100.00	31.2392	994,999.76	895,500.00	99,499.76
Closeout	220,000.00	0.00	0.00	0.00	0.00
<b>Total Fee</b>	<b>4,710,100.00</b>		<b>2,299,999.76</b>	<b>2,200,500.00</b>	<b>99,499.76</b>
<b>Total Fee</b>					<b>99,499.76</b>

**Consultants**

UTS of Massachusetts, Inc.	21,909.80	
<b>Total Consultants</b>	<b>21,909.80</b>	<b>21,909.80</b>
<b>Total this Invoice</b>		<b>\$121,409.56</b>

**Outstanding Invoices**

Number	Date	Balance
0059776	8/16/2023	99,500.00
<b>Total</b>		<b>99,500.00</b>

**Billings to Date**

	Current	Prior	Total
Fee	99,499.76	2,200,500.00	2,299,999.76
Consultant	21,909.80	111,126.12	133,035.92
Expense	0.00	31,995.12	31,995.12
<b>Totals</b>	<b>121,409.56</b>	<b>2,343,621.24</b>	<b>2,465,030.80</b>

Authorized By: Julie Leduc

A DIVISION	B DESCRIPTION OF WORK	C MSBA CODE	D SCHEDULED VALUE	E WORK COMPLETED		G COMPLETED AND STORED TO DATE (D+E+F)	H % (G/C)	I BALANCE TO FINISH (C-G)	Retainage Held This Period	RETAINAGE	Retainage Billed	
				PREVIOUS APPLICATION	THIS APPLICATION							
					WORK IN PLACE							STORED MATERIAL
01	CM Fee	0502-0010	2,730,000.00	583,401.00	75,075.00	658,476.00	24%	2,071,524.00	3,753.75	32,923.80		
02	Bonds and Insurances	0502-0020	4,239,694.00	1,131,611.00		1,131,611.00	27%	3,108,083.00	-	56,580.55		
03	Total GMP Construction Contingency	0502-0030	4,152,138.55				0%	4,152,138.55	-			
03	Subtotal Allowances	0502-0030	1,885,537.00	8,248.65		8,248.65	0%	1,877,288.35	-	412.43		
01A	CM Staffing	0502-0100	4,185,190.00	2,629,385.00	247,054.00	2,876,439.00	69%	1,308,751.00	12,352.70	143,821.95		
01A	General Requirements	0502-0100	6,514,112.73	1,703,701.57	364,082.22	2,067,783.79	32%	4,446,328.94	18,204.11	103,389.19		
02	Existing Conditions	0502-0200	5,300,000.00				0%	5,300,000.00	-			
03	Concrete Subtotal	0502-0300	6,843,308.00	3,832,121.93	246,676.74	4,078,798.67	60%	2,764,509.33	12,333.84	203,939.93		
04	Masonry	0502-0400	5,164,000.00	141,650.00	58,850.00	200,500.00	4%	4,963,500.00	2,942.50	10,025.00		
05	Metals Subtotal	0502-0500	15,293,458.00	11,266,208.52	224,155.00	61,998.50	11,552,362.02	76%	3,741,095.98	11,207.75	577,618.10	
06	Wood, Plastic, and Composites	0502-0600	1,440,503.00				0%	1,440,503.00	-			
07	Thermal & Moisture Protection Subtotal	0502-0700	7,045,333.00	263,427.59	56,235.00	319,662.59	5%	6,725,670.41	2,811.75	15,983.13		
08	Doors & Windows Subtotal	0502-0800	6,660,295.00	202,583.75	4,500.00	207,083.75	3%	6,453,211.25	225.00	10,354.19		
09	Finishes Subtotal	0502-0900	15,741,559.00	613,645.00	699,900.00	1,313,545.00	8%	14,428,014.00	34,995.00	65,677.25		
10	Specialties Subtotal	0502-1000	1,652,962.00		500.00	500.00	0%	1,652,462.00	25.00	25.00		
11	Equipment Subtotal	0502-1100	2,767,930.00				0%	2,767,930.00	-			
12	Furnishings Subtotal	0502-1200	3,873,767.00				0%	3,873,767.00	-			
13	Special Construction	0502-1300					#DIV/0!		-			
14	Elevator Sub	0502-1400	815,339.00	10,000.00	113,332.50	123,332.50	15%	692,006.50	5,666.63	6,166.63		
21	Fire Suppression	0502-2100	1,709,200.00	63,980.00		63,980.00	4%	1,645,220.00	-	3,199.00		
22	Plumbing	0502-2200	6,580,000.00	851,170.00	194,735.00	1,045,905.00	16%	5,534,095.00	9,736.75	52,295.25		
23	HVAC	0502-2300	15,937,330.00	733,219.00	1,091,133.00	1,824,352.00	11%	14,112,978.00	54,556.65	91,217.60		
25	Integrated Automation	0502-2500	3,607,918.00				0%	3,607,918.00	-			
26	Electrical	0502-2600	18,537,020.00	1,943,758.45	484,500.00	2,428,258.45	13%	16,108,761.55	24,225.00	121,412.92		
27	Communications	0502-2700	341,935.00				0%	341,935.00	-			
28	Electronic Safety and Security	0502-2800	1,143,206.00	491,655.00	6,000.00	497,655.00	44%	645,551.00	300.00	24,882.75		
31	Earthwork Subtotal	0502-3100	31,150,637.00	10,386,452.43	915,050.00	11,301,502.43	36%	19,849,134.57	45,752.50	565,075.12		
32	Exterior Improvements Subtotal	0502-3200					#DIV/0!		-			
33	Utilities Subtotal	0502-3300					#DIV/0!		-			
-	<b>TOTAL BASE GMP CONTRACT AMOUNT</b>		<b>175,983,887.00</b>	<b>36,856,218.89</b>	<b>4,781,778.46</b>	<b>61,998.50</b>	<b>41,699,995.85</b>	<b>24%</b>	<b>134,283,891.15</b>	<b>242,188.85</b>	<b>2,084,999.79</b>	
	CO-01	0508-001	-				#DIV/0!		-			
	CO-02	0508-002	445,479.68	445,479.68		445,479.68	100%	-	-	22,273.98		
	CO-03	0508-003	87,729.18	87,729.18		87,729.18	100%	-	-	4,386.46		
	CO-04	0508-004	48,631.95	44,270.41		44,270.41	91%	-	-	2,213.52		
	CO-05	0508-005	58,132.50	58,132.50		58,132.50	100%	-	-	2,906.63		
	CO-06	0508-006	29,061.26	24,751.27		24,751.27	85%	-	-	1,237.56		
	CO-07	0508-007	26,201.30	21,505.52		21,505.52	82%	-	-			
	CO-08	0508-008	-				#DIV/0!		-			
	CO-09	0508-009	29,067.25	24,763.38		24,763.38	85%	-	-	1,238.17		
	CO-010	0508-010	5,629.56	1,596.00		1,596.00	28%	-	-			
	CO-011	0508-011	-				#DIV/0!		-			
	CO-012	0508-012	(197,221.38)	23,377.09		23,377.09	-12%	-	-			
	CO-013	0508-013	-									
	CO-014	0508-014	464,996.99	240,989.78	4,500.00	245,489.78	53%	-	-			
	CO-015	0508-015	-									
	CO-016	0508-016	16,072.91									
	CO-017	0508-017	-									
	CO-018	0508-018	(80,762.91)									
	CO-019	0508-019	-									
-	<b>TOTAL CHANGE ORDER AMOUNT</b>	0508-0000	<b>933,018.29</b>	<b>972,594.81</b>	<b>4,500.00</b>	<b>-</b>	<b>977,094.81</b>	<b>84%</b>	<b>(44,076.52)</b>	<b>225.00</b>	<b>48,854.74</b>	
	<b>TOTAL CONTRACT AMOUNT</b>		<b>176,916,905.29</b>	<b>37,828,813.70</b>	<b>4,786,278.46</b>	<b>61,998.50</b>	<b>42,677,090.66</b>	<b>24.12%</b>	<b>134,239,814.63</b>	<b>242,413.86</b>	<b>1,963,363.09</b>	

TO OWNER: **Town of Stoneham**  
**ATTN: Symmes Maini & McKee**  
**1000 Massachusetts Avenue**  
**Cambridge, MA 02138**

PROJECT: **Stoneham High School**

Invoice **14**  
 Draw  
 Application date: **8/31/2023**  
 Period ending date: **8/31/2023**

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	\$175,983,887.00
2. NET CHANGE BY CHANGE ORDERS	\$933,018.29
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$176,916,905.29
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$42,677,090.66
5. RETAINAGE:	
a. <u>4.60</u> % of Completed Work (Column D + E on G703)	\$ 1,960,510.84
b. <u>4.60</u> % of Stored Material (Column F on G703)	\$ 2,852.25
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$1,963,363.09
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$40,713,727.57
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$36,107,864.47
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$4,605,863.10
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$136,203,177.72

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	1,013,781.20	
Total approved this Month		-80,762.91
<b>TOTALS</b>	<b>933,018.29</b>	
NET CHANGES by Change Order	933,018.29	

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: 9/8/23

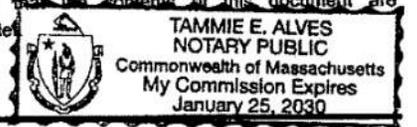
State of: **MA** County of: **Worcester**

On this the 8 day of September, 2023 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 truthful and accurate to the best of his/her knowledge and belief.

Notary Public: [Signature]  
 My Commission expires: 01/25/30



**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: .....\$ 4,605,863.10

(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: [Signature] Date: 2023.09.08

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 **14**  
 Draw  
 Application date: **8/31/2023**  
 Period ending date: **8/31/2023**

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		E MATERIALS PRESENTLY STORED (NOT IN D / E)	G		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
1-000	Stoneham High School	1-000										
1-001	General Conditions	1-001		-18,172.00	4,185,190.00	2,629,385.00	247,054.00		2,876,439.00	68.73	1,308,751.00	143,821.95
1-002	General Requirements	1-002		503,849.26	2,812,029.26	512,882.95	46,070.22		558,953.17	19.88	2,253,076.09	27,947.67
1-099	Riggs General Requirements	1-099		322,702.47	3,511,904.47	932,449.62	208,812.00		1,141,261.62	32.50	2,370,642.85	57,063.09
1-220	Temporary Fence	1-220		276,500.00	534,869.00	258,369.00	109,200.00		367,569.00	68.72	167,300.00	18,378.45
1-910	Consigli Payment & Perf Bond	1-910			943,675.00	943,675.00			943,675.00	100.00		47,183.75
1-920	Builder's Risk Insurance	1-920			267,405.00	187,936.00			187,936.00	70.28	79,469.00	9,396.80
1-930	General Liability	1-930			1,871,881.00						1,871,881.00	
1-940	Subcontractor Default Insuranc	1-940			1,156,733.00						1,156,733.00	
2-001	Selective Demolition Sub	2-001		344,000.00	5,157,000.00						5,157,000.00	
2-012	Vinyl Asbestos Tile (VAT)	2-012		-487,000.00								
2-014	AddedAbatement Testing - Hold	2-014			10,000.00						10,000.00	
2-401	General Site Excavation Sub	2-401	21,886,458.00	-804,763.76	21,081,694.24	8,351,552.43	915,050.00		9,266,602.43	43.96	11,815,091.81	292,838.61
2-402	Crane Pads	2-402			10,000.00						10,000.00	
2-403	Dewatering Test/Treat/Discharg	2-403			25,000.00						25,000.00	
2-404	Verify Ext Utility	2-404			15,000.00						15,000.00	
2-405	Utility Tie in Trailer	2-405			7,500.00						7,500.00	
2-406	Video Inspect Sewer	2-406			10,000.00						10,000.00	
2-407	Asphalt Paving	2-407			20,000.00						20,000.00	
2-408	Traffic Control / Signage	2-408			10,000.00						10,000.00	
2-409	Fire Watch - Blasting	2-409										
2-410	Temp Access to Lot	2-410										
2-411	Refeed Elect to Irrigation	2-411		7,500.00	7,500.00						7,500.00	
2-412	Rework Ext Irrigation	2-412		274.22	274.22						274.22	
2-414	Phase 2 Fence & Gates - Hold	2-414										
2-415	Ext Owner Salvage Items - Hold	2-415			10,000.00						10,000.00	
2-416	Steel Plate Prot at DBs - Hold	2-416			5,000.00						5,000.00	
2-417	Binder Course Maint - Hold	2-417			15,000.00						15,000.00	
2-418	Vibration Monitoring - Hold	2-418			40,000.00						40,000.00	
2-419	Main Erosion Control - Hold	2-419			15,000.00						15,000.00	
2-420	Dewater Testing-Treat - Hold	2-420			5,000.00						5,000.00	
2-422	Neighborhood Concerns - Hold	2-422			20,000.00						20,000.00	
2-423	Video Inspections - Hold	2-423			5,000.00						5,000.00	
2-424	Street Sweeping - Hold	2-424			39,000.00						39,000.00	
2-425	Furnish (2) El/Tele Manholes -	2-425			24,000.00						24,000.00	
2-426	Utility Verification - Hold	2-426			10,000.00						10,000.00	
2-790	Geothermal Wells	2-790	2,270,760.00	-162,860.00	2,107,900.00	2,034,900.00			2,034,900.00	96.54	73,000.00	101,745.02
2-792	HOLD - Additional Dewatering	2-792		100,000.00	100,000.00						100,000.00	

**CONTINUATION SHEET**

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

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 Draw  
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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		H BALANCE TO FINISH (C - G)	I RETAINAGE (IF VARIABLE RATE)
						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
2-816	MAROIS - Asphalt Paving at Tra	2-816		18,172.00	18,172.00						18,172.00	
2-890	Synthetic Athletic Surfacing	2-890	2,269,200.00		2,269,200.00						2,269,200.00	
2-920	Fencing	2-920	981,960.00		981,960.00						981,960.00	
2-970	Landscaping Subcontractor	2-970	4,161,955.00	-397,755.00	3,764,200.00						3,764,200.00	
2-971	Tree & Plant Protection - Hold	2-971		5,000.00	5,000.00						5,000.00	
2-972	Additional Layout - Hold	2-972		15,000.00	15,000.00						15,000.00	
2-973	Sleeve Mobilization - Hold	2-973		5,000.00	5,000.00						5,000.00	
2-974	Arborist Tree Pruning - Hold	2-974		5,000.00	5,000.00						5,000.00	
2-975	Watering Truck - Hold	2-975		15,000.00	15,000.00						15,000.00	
2-976	Out of Season Warranty - Hold	2-976		10,000.00	10,000.00						10,000.00	
2-977	Maintain Wetland Protection -	2-977		10,000.00	10,000.00						10,000.00	
2-978	Bottle Filling Station - Hold	2-978		16,000.00	16,000.00						16,000.00	
2-979	Temp. Landscape Work - Hold	2-979		20,000.00	20,000.00						20,000.00	
2-980	Turf Reinforcement - Hold	2-980		5,000.00	5,000.00						5,000.00	
2-981	Premium Time - Hold	2-981		15,000.00	15,000.00						15,000.00	
2-982	Arborist/Soil Scientist - Hold	2-982		5,000.00	5,000.00						5,000.00	
3-060	Concrete Walkways	3-060	1,963,300.00	-165,300.00	1,798,000.00						1,798,000.00	
3-061	Add'l Mobilizations - Hold	3-061		10,000.00	10,000.00						10,000.00	
3-062	Wash Out Dumpster - Hold	3-062		11,500.00	11,500.00						11,500.00	
3-063	Additional Layout - Hold	3-063		15,000.00	15,000.00						15,000.00	
3-064	Ext. Concrete Stairs - Hold	3-064		50,000.00	50,000.00						50,000.00	
3-110	Concrete Subcontractor	3-110	4,936,800.00	-72,567.24	4,864,232.76	3,832,121.93	246,676.74		4,078,798.67	83.85	785,434.09	203,939.94
3-112	HOLD - Floor Prot at Polished	3-112		20,000.00	20,000.00						20,000.00	
3-113	HOLD - Foundation Insulation	3-113		30,000.00	30,000.00						30,000.00	
4-101	Masonry Trade Contractor	4-101	5,164,000.00		5,164,000.00	141,650.00	58,850.00		200,500.00	3.88	4,963,500.00	10,025.00
5-120	Structural Steel subcontractor	5-120	11,858,044.00	-238,273.85	11,619,770.15	11,107,402.27	203,550.00		11,310,952.27	97.34	308,817.88	565,547.62
5-121	Structural Steel - Stadium	5-121		270,000.00	270,000.00						270,000.00	
5-122	HOLD - Additional Safety	5-122		45,000.00	45,000.00						45,000.00	
5-123	Struc Steel BP2 Modifications	5-123	400,000.00	-265,996.12	134,003.88						134,003.88	
5-501	Miscellaneous Metals Sub	5-501	3,234,000.00	541.50	3,234,541.50	158,806.25	20,605.00	61,998.50	241,409.75	7.46	2,993,131.75	12,070.50
5-810	Expansion Joint Covers	5-810	26,458.00		26,458.00						26,458.00	
6-601	Finish Carpentry	6-601	1,440,503.00	-1,440,503.00								
7-101	Waterproofing Subcontractor -	7-101	53,453.00	81,178.00	134,631.00	72,754.20			72,754.20	54.04	61,876.80	3,637.71
7-102	WP & Sealants Trade Contractor	7-102	1,228,518.00		1,228,518.00	137,288.64	10,000.00		147,288.64	11.99	1,081,229.36	7,364.43
7-475	Metal Siding	7-475	723,000.00	105,957.00	828,957.00	4,400.00			4,400.00	0.53	824,557.00	220.00
7-501	Membrane Roofing Sub	7-501	3,396,000.00		3,396,000.00						3,396,000.00	
7-810	Fireproofing	7-810	1,319,684.00	-169,684.00	1,150,000.00	48,984.75	46,235.00		95,219.75	8.28	1,054,780.25	4,760.99
7-811	Perimeter Fireproofing - Hold	7-811		20,000.00	20,000.00						20,000.00	
7-812	Fireproofing Patching - Hold	7-812		100,000.00	100,000.00						100,000.00	

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
7-813	FP Added Mobilizations - Hold	7-813		15,000.00	15,000.00						15,000.00	
7-840	Firestopping	7-840	243,500.00	-88,500.00	155,000.00						155,000.00	
7-841	Addl Perimeter Firesafing-Hold	7-841		10,000.00	10,000.00						10,000.00	
7-842	Add Pene. Firesafing - Hold	7-842		36,000.00	36,000.00						36,000.00	
7-843	Putty Pads - Hold	7-843		39,000.00	39,000.00						39,000.00	
8-001	Doors/Frame/Hardware Supplier	8-001	1,505,576.00	36,469.00	1,542,045.00		4,500.00		4,500.00	0.29	1,537,545.00	225.00
8-002	Temp Exterior Doors - Hold	8-002		25,000.00	25,000.00						25,000.00	
8-003	Temp Locks & Cores - Hold	8-003		5,000.00	5,000.00						5,000.00	
8-004	D/F/H Protection - Hold	8-004		7,500.00	7,500.00						7,500.00	
8-005	083483 - Floor Doors - Hold	8-005		5,000.00	5,000.00						5,000.00	
8-360	Overhead Doors	8-360	944,119.00	-194,119.00	750,000.00	112,500.00			112,500.00	15.00	637,500.00	5,625.00
8-361	Access Panels - Hold	8-361		10,000.00	10,000.00						10,000.00	
8-362	Low Voltage Wiring - Hold	8-362		25,000.00	25,000.00						25,000.00	
8-370	Accordian Fire Doors	8-370		120,411.00	120,411.00						120,411.00	
8-371	Vision Panels - Hold	8-371		5,000.00	5,000.00						5,000.00	
8-401	Alum Entrances/Storefront Sub	8-401	3,454,600.00	5,836.00	3,460,436.00	76,643.75			76,643.75	2.21	3,383,792.25	3,832.19
8-403	Sliding Entrances	8-403	20,000.00		20,000.00						20,000.00	
8-801	Glass & Glazing	8-801	736,000.00		736,000.00	13,440.00			13,440.00	1.83	722,560.00	672.00
9-220	Drywall Subcontractor	9-220	9,676,889.00	355,911.00	10,032,800.00	538,500.00	699,900.00		1,238,400.00	12.34	8,794,400.00	61,920.00
9-221	Trade Support	9-221	1,286,762.00		1,286,762.00						1,286,762.00	
9-225	Hold - Added Blocking Unident	9-225		50,000.00	50,000.00						50,000.00	
9-226	Hold - Spray Insulation	9-226		75,000.00	75,000.00						75,000.00	
9-227	Hold - Acous Seal at MEP Pens	9-227		100,000.00	100,000.00						100,000.00	
9-228	Hold - Misc Patching	9-228		30,000.00	30,000.00						30,000.00	
9-229	Hold -Layout Track Prior to FP	9-229		25,000.00	25,000.00						25,000.00	
9-301	Tile Subcontractor	9-301	810,999.00		810,999.00						810,999.00	
9-501	Acoustical Ceilings Sub	9-501	1,899,900.00		1,899,900.00	57,645.00			57,645.00	3.03	1,842,255.00	2,882.25
9-608	Polished Concrete Flooring	9-608	175,175.00	-47,082.00	128,093.00						128,093.00	
9-609	Floor Protection - Hold	9-609		12,825.00	12,825.00						12,825.00	
9-640	Wood Flooring	9-640	602,258.00	-142,854.00	459,404.00						459,404.00	
9-642	Protect Gym Floor - Hold	9-642		15,716.00	15,716.00						15,716.00	
9-643	Protect Performance Flr - Hold	9-643		3,543.00	3,543.00						3,543.00	
9-650	Resilient Flooring Sub	9-650	985,975.00		985,975.00						985,975.00	
9-670	Seamless Flooring & Base	9-670	363,240.00	-131,950.00	231,290.00						231,290.00	
9-671	Floor Protection - Hold	9-671		9,975.00	9,975.00						9,975.00	
9-680	Carpet Subcontractor	9-680	338,123.00	2,276.00	340,399.00						340,399.00	
9-681	Floor Protection - Hold	9-681		23,674.00	23,674.00						23,674.00	
9-682	Additional Floor Prep - Hold	9-682		50,000.00	50,000.00						50,000.00	
9-901	Painting Subcontractor	9-901	889,000.00		889,000.00	17,500.00			17,500.00	1.97	871,500.00	875.00

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
10-201	Louver Supply	10-201		23,500.00	23,500.00						23,500.00	
10-202	Louver Install	10-202		20,800.00	20,800.00						20,800.00	
10-401	Signage	10-401	105,012.00	-657.00	104,355.00						104,355.00	
10-605	Wire Mesh Partitions	10-605	81,130.00		81,130.00						81,130.00	
10-650	Operable Partitions	10-650	51,000.00	17,000.00	68,000.00		500.00		500.00	0.74	67,500.00	25.00
10-949	NEIS Specialties	10-949		127,930.00	127,930.00						127,930.00	
10-950	Miscellaneous Specialties	10-950	1,415,820.00	-222,520.00	1,193,300.00						1,193,300.00	
10-951	Additional Blocking - Hold	10-951		10,000.00	10,000.00						10,000.00	
11-060	Theater Equipment	11-060	767,418.00	213,205.90	980,623.90						980,623.90	
11-061	Theater Low Volt Wiring - Hold	11-061		10,000.00	10,000.00						10,000.00	
11-062	Additional Scaffolding - Hold	11-062										
11-401	Food Service Equipment	11-401	1,377,274.00	-186,271.00	1,191,003.00						1,191,003.00	
11-402	FSE Connections - Hold	11-402		35,000.00	35,000.00						35,000.00	
11-403	FSE MEP Coordination - Hold	11-403		25,000.00	25,000.00						25,000.00	
11-404	FSE Kitchen Protection - Hold	11-404		25,000.00	25,000.00						25,000.00	
11-405	FSE- Low Voltage Wiring - Hold	11-405		25,000.00	25,000.00						25,000.00	
11-450	Residential Appliances	11-450	104,922.00	-37,879.00	67,043.00						67,043.00	
11-451	Res. Appliances - DEC	11-451		9,298.00	9,298.00						9,298.00	
11-452	Res. Appliance Install - Riggs	11-452		28,874.00	28,874.00						28,874.00	
11-453	Res. Appliance Esc. - Hold	11-453		6,800.00	6,800.00						6,800.00	
11-480	Gymnasium Equipment	11-480	518,316.00	189,963.00	708,279.00						708,279.00	
11-481	Add'l Layout - Gym Ep. - Hold	11-481		20,000.00	20,000.00						20,000.00	
11-482	Floor Protection - Hold	11-482		5,000.00	5,000.00						5,000.00	
11-483	Supplemental Steel - Hold	11-483		5,000.00	5,000.00						5,000.00	
11-484	Floor Protection - Hold	11-484		10,000.00	10,000.00						10,000.00	
11-485	Additional Blocking - Hold	11-485		7,500.00	7,500.00						7,500.00	
12-320	Wood Casework	12-320	1,626,800.00	765,700.00	2,392,500.00						2,392,500.00	
12-321	Additional Blocking - Hold	12-321		35,000.00	35,000.00						35,000.00	
12-322	Countertop Protection - Hold	12-322		15,000.00	15,000.00						15,000.00	
12-323	Humidity Control - Hold	12-323		35,000.00	35,000.00						35,000.00	
12-324	Premium Time - Hold	12-324		50,000.00	50,000.00						50,000.00	
12-325	Incubator-Autoclave Hold	12-325		40,000.00	40,000.00						40,000.00	
12-490	Window Treatments	12-490	161,500.00	-3,500.00	158,000.00						158,000.00	
12-491	WT Final Connections - Hold	12-491		3,500.00	3,500.00						3,500.00	
12-610	Auditorium Seating	12-610	328,008.00	-399,416.00	-71,408.00						-71,408.00	
12-615	Exterior Field Bleachers	12-615	1,335,700.00	35,500.00	1,371,200.00						1,371,200.00	
12-620	Telescoping Indoor Bleachers	12-620	421,759.00		421,759.00						421,759.00	
14-210	Electric Elevator	14-210	385,339.00	-7,564.00	377,775.00		113,332.50		113,332.50	30.00	264,442.50	5,666.63
14-211	HOLD - Elev Operator for Const	14-211		7,564.00	7,564.00						7,564.00	

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)		
14-212	Delta Becjwith Elev & Lifts	14-212			430,000.00	10,000.00			10,000.00	2.33	420,000.00	500.00
15-301	Fire Protection Subcontractor	15-301			1,709,200.00	63,980.00			63,980.00	3.74	1,645,220.00	3,199.00
15-401	Plumbing Subcontractor	15-401		6,550.81	6,586,550.81	851,170.00	194,735.00		1,045,905.00	15.88	5,540,645.81	52,295.25
15-501	HVAC Subcontractor	15-501		3,239.75	15,216,239.75	733,219.00	1,091,133.00		1,824,352.00	11.99	13,391,887.75	91,217.60
15-502	HVAC Unincorporated Scope	15-502			724,330.00						724,330.00	
15-901	Heat Recovery Chiller	15-901			505,400.00						505,400.00	
15-902	HRU and MAU	15-902			3,102,518.00						3,102,518.00	
16-001	Electrical Subcontractor	16-001		-323,654.39	397,319.61	715,350.45	484,500.00		1,199,850.45	301.99	-802,530.84	59,992.53
16-101	Wayne Griffin Elec (TS)	16-101			17,804,700.00	1,228,408.00			1,228,408.00	6.90	16,576,292.00	61,420.40
16-102	Elec Unincorporated Scope	16-102			341,935.00						341,935.00	
16-901	Switchgear	16-901		167,528.00	671,582.00	474,633.00			474,633.00	70.67	196,949.00	23,731.65
16-902	Emergency Generator	16-902			639,152.00	17,022.00	6,000.00		23,022.00	3.60	616,130.00	1,151.10
19-001	Contingency #1	19-001		-373,153.69	3,624,471.31						3,624,471.31	
19-002	Contingency #2	19-002		362,388.10	362,388.10						362,388.10	
24-001	ALL #1 - Temp Electricity Cons	24-001		-149,999.58	0.42	5,431.25			5,431.25	293.154	-5,430.83	271.56
24-002	ALL #2 - Winter Conditions	24-002		-379,008.05	-79,008.05						-79,008.05	
24-003	ALL #3 - Police Details	24-003		-15,380.00	32,620.00						32,620.00	
24-004	ALL #4 Dumpsters	24-004				2,817.40			2,817.40		-2,817.40	140.87
24-005	Ledge/Rock remove-Tennis Court	24-005										
24-006	Over Exc/Struc Fill-Foundation	24-006		100,000.00	100,000.00						100,000.00	
24-007	PreBlast Permit/Survey/Monitor	24-007		25,000.00	25,000.00						25,000.00	
24-008	Maintain Erosion Control	24-008		25,000.00	25,000.00						25,000.00	
24-009	Jersey Barrier at Parking Lot	24-009		20,000.00	20,000.00						20,000.00	
24-010	Remove UG Obstructions	24-010		3,938.94	3,938.94						3,938.94	
24-011	Protect/Fill Elect Ductbank	24-011		15,000.00	15,000.00						15,000.00	
24-012	Fuel Costs Allowance	24-012		100,000.00	100,000.00						100,000.00	
24-013	Geothermal Dewatering Ponds	24-013		25,000.00	25,000.00						25,000.00	
24-014	ALLOWANCE - Winter Conditions	24-014		38,588.00	38,588.00						38,588.00	
24-015	ALLOWANCE - Addtl MEP/Housekee	24-015		15,000.00	15,000.00						15,000.00	
24-016	ALLOWANCE - Beam Penetrations	24-016		55,909.42	55,909.42						55,909.42	
24-017	ALLOWANCE - Touchup Thermal (A	24-017		40,000.00	40,000.00						40,000.00	
24-018	ALLOWANCE - Mock-Up	24-018										
24-019	All #4 Dumpsters	24-019		194,985.00	-194,985.00							
24-020	AA #5 - Waterproofing	24-020		75,000.00	-75,000.00							
24-021	All #6 - Water Consumption	24-021		40,000.00	-40,000.47	-0.47					-0.47	
24-022	ALLOWANCE-Temp Heat System	24-022		250,000.00	250,000.00						250,000.00	
24-023	ALLOWANCE-Temp Heat Fuel	24-023		90,000.00	90,000.00						90,000.00	
24-024	ALLOWANCE-Weather Protection	24-024		108,000.00	108,000.00						108,000.00	
24-025	ALLOWANCE-Precast Treads	24-025		100,000.00	100,000.00						100,000.00	



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						M FROM PREV. APPLICATION (D + E)	N THIS PERIOD					
CR-030	Coordination with BP#1 and BP#	CR-030	23,785.27		23,785.27	23,785.27			23,785.27	100.00		1,189.26
	CO-06 TOTAL		29,061.26	.00	29,061.26	24,751.27		.00	24,751.27	85.17	4,309.99	1,237.56
	<u>CO-07</u>											
CR-034	Added Rock Hammering within Bu	CR-034	14,573.49		14,573.49	14,573.49			14,573.49	100.00		728.67
CR-037	Existing School Foundation and	CR-037	3,480.56		3,480.56	3,480.56			3,480.56	100.00		174.03
CR-040	ASI-007 Beam Geometry & Locati	CR-040										
CR-041	PR-013 Revised HSS at EXT-1.1	CR-041	3,451.47		3,451.47	3,451.47			3,451.47	100.00		172.57
CR-044	PR-016 Canopy Deck Edge Clarif	CR-044										
CR-045	RFI-102 (PR-017) Conduit Mater	CR-045	4,695.78		4,695.78						4,695.78	
	CO-07 TOTAL		26,201.30	.00	26,201.30	21,505.52		.00	21,505.52	82.08	4,695.78	1,075.27
	<u>CO-09</u>											
CR-013	PR-002R1 Canopy Framing Revisi	CR-013	10,594.03		10,594.03	6,290.16			6,290.16	59.37	4,303.87	314.51
CR-024	ASI-006R1 Conformed Set Clarif	CR-024										
CR-069	RFI-105 T&M Water Line Relocat	CR-069	18,473.22		18,473.22	18,473.22			18,473.22	100.00		923.66
	CO-09 TOTAL		29,067.25	.00	29,067.25	24,763.38		.00	24,763.38	85.19	4,303.87	1,238.17
	<u>CO-10</u>											
CR-039	PR-012 Grease Trap Footing &	CR-039	5,629.56		5,629.56	1,596.00			1,596.00	28.35	4,033.56	79.80
	CO-10 TOTAL		5,629.56	.00	5,629.56	1,596.00		.00	1,596.00	28.35	4,033.56	79.80
	<u>CO-11</u>											
CR-080	Subcontractor Change Order Mar	CR-080										
	CO-11 TOTAL		.00	.00				.00				
	<u>CO-12</u>											
CR-053	PR-020 Structural and Concrete	CR-053	-4,412.52		-4,412.52						-4,412.52	
CR-064	PR-028 Drainage North of Main	CR-064	34,705.90		34,705.90	22,028.00			22,028.00	63.47	12,677.90	1,101.40
CR-071	PR-030 & PR-039 Electrical VE	CR-071	-233,010.00		-233,010.00						-233,010.00	
CR-072	PR-034 Spartan Place Concrete	CR-072	2,590.11		2,590.11						2,590.11	
CR-075	PR-035 - LULA Pit Changes	CR-075	1,556.04		1,556.04						1,556.04	
CR-086	Landscape Boulder Sort-Stockpi	CR-086	1,349.09		1,349.09	1,349.09			1,349.09	100.00		67.45
	CO-12 TOTAL		-197,221.38	.00	-197,221.38	23,377.09		.00	23,377.09	11.85	-220,598.47	1,168.85
	<u>CO-14</u>											
CR-058	ASI-016 Elevator Sump Piping C	CR-058	10,076.05		10,076.05						10,076.05	
CR-063	PR-022 Structural Scope Reduct	CR-063	-2,361.30		-2,361.30						-2,361.30	
CR-068	PR-032 Thermal Coating & Struc	CR-068	-100,499.10		-100,499.10						-100,499.10	
CR-076	PR-038 Coating Revision - Aero	CR-076	-5,844.52		-5,844.52						-5,844.52	
CR-082	PR-031 Area D Relieving Angle	CR-082	7,049.15		7,049.15						7,049.15	
CR-089	PR-033 Scope Development	CR-089	329,086.56		329,086.56	230,415.00			230,415.00	70.02	98,671.56	11,520.75
CR-090	PR-049 Auditorium Concrete Ris	CR-090	-1,635.24		-1,635.24						-1,635.24	
CR-092	PR-023 Civil Drainage Update	CR-092	-3,487.00		-3,487.00						-3,487.00	
CR-093	PR-037 Electrical Site Plan Cl	CR-093	204,030.88		204,030.88	10,574.78	4,500.00		15,074.78	7.39	188,956.10	753.74

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						FROM PREV. APPLICATION (D + E)	THIS PERIOD		TOTAL COMPLETED AND STORED TO DATE (D + E + F)	% (G / C)			
CR-099	CCD-001 Fire Protection System	CR-099	28,581.51		28,581.51						28,581.51		
	CO-014 TOTAL		464,996.99	.00	464,996.99	240,989.78	4,500.00	.00	245,489.78	52.79	219,507.21	12,274.49	
	<u>CO-016</u>												
CR-104	PR-062 - Glass Type Revisions	CR-104	-3,703.00		-3,703.00						-3,703.00		
CR-107	Site Security Camera	CR-107	19,775.91		19,775.91						19,775.91		
	CO-016 TOTAL		16,072.91	.00	16,072.91			.00			16,072.91		
	<u>CO-018</u>												
CR-047	PR-014 Area D Facade Support R	CR-047	-35,202.24		-35,202.24						-35,202.24		
CR-078	PR-040R1 Foodservice Commercia	CR-078	-7,982.92		-7,982.92						-7,982.92		
CR-097	PR-052 AV RFIs 209 & 210	CR-097	5,847.49		5,847.49						5,847.49		
CR-098	PR-055 Fireproofing Revisions	CR-098	-36,507.00		-36,507.00						-36,507.00		
CR-112	Power Study & Panel Revisions	CR-112	9,078.51		9,078.51						9,078.51		
CR-114	PR-058 - Fan Coil Box Electric	CR-114	-996.75		-996.75						-996.75		
CR-131	Duct Credit	CR-131	-15,000.00		-15,000.00						-15,000.00		
	CO-018 TOTAL		-80,762.91	.00	-80,762.91			.00			-80,762.91		
<b>GRAND TOTALS</b>			175,983,887.00	933,018.29	.00	176,916,905.29	37,828,813.70	4,786,278.46	61,998.50	42,677,090.66	24.12	134,239,814.63	1,963,363.09

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

## NEW STONEHAM HIGH SCHOOL, STONEHAM, MASSACHUSETTS

### Change Order Budget Summary

Change Order No.	Change Order Amount	Owner's Contingency Budget	
		<b>\$7,670,933.00</b>	<b>Original PFA Budget - August 18, 2021</b>
		<b>-\$450,000.00</b>	<b>60% Construction Documents Cost Estimate Reallocation</b>
		<b>-\$1,422,792.00</b>	<b>90% Construction Documents Cost Estimate Reallocation</b>
		<b>\$1,872,792.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$0.00		CR-001
2	\$445,479.68		CR-008
3	\$87,729.18		CR-007
4	\$48,631.95		CR-003; CR-014; CR-017; CR-018
5	\$58,132.50		CR-005; CR-016; CR-021; CR-025
6	\$29,061.26		CR-012; CR-027; CR-029; CR-030
7	\$26,201.30		CR-034; CR-037; CR-040; CR-041; CR-044; CR-045
8	\$0.00		NA
9	\$29,067.25		CR-013; CR-024; CR-069
10	\$5,629.56		CR-039
11	\$0.00		CR-080
12	-\$197,221.38		BT-017; CR-064; CR-071; CR-072; CR-075; CR-086
13	\$0.00		NA
14	\$464,996.99		CR-058; CR-063; CR-068; CR-076; CR-082; CR-089; CR-090; CR-092; CR-093; CR-099
15	\$0.00		NA
16	\$16,072.91		CR-104; CR-107
17	\$0.00		NA
18	-\$80,762.91		CR-047; CR-078; CR-097; CR-098; CR-112; CR-114; CR-131
19	\$0.00		NA
20	\$155,357.15		CR-087; CT-096; CR-115; CR-117; CR-122; CR-123; CR-126; CR-129; CR-138
<b>Change Order Total</b>		<b>Budget Total</b>	<b>Budget Balance</b>
<b>TOTAL</b>	<b>\$1,088,375.44</b>	<b>\$7,670,933.00</b>	<b>\$6,582,557.56</b>

### GMP Contingency Budget Summary

Change Order No.	Contingency Transfer Amount	GMP Contingency Budget	
		<b>\$224,845.00</b>	<b>Amendment No. 1 - Early Site Package</b>
		<b>\$430,413.00</b>	<b>Amendment No. 2 - Concrete and Steel</b>
		<b>\$118,778.00</b>	<b>Amendment No. 3 - Equipment PrePurchase</b>
		<b>\$28,268.00</b>	<b>Amendment No. 4 - Storm System and PV Ductbank</b>
		<b>\$3,195,321.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$ -		NA
2	\$ -		NA
3	\$ 33,300.00		CT-008
4	\$ 6,762.33		CT-006; CT-011
5	\$ 3,450.12		CT-003
6	\$ -		NA
7	\$ 6,000.00		CT-015
8	\$ -		NA
9	\$ 30,687.97		CT-001; CT-004; CT-005; CT-013; CT-014
10	\$ -		NA
11	\$ -		NA
12	\$ 12,264.95		CT-018; CT-020
13	\$ -		NA
14	\$ 233,750.00		CT-023
15	\$ -		NA
16	\$ (66,222.00)		CT-024
17	\$ -		NA
18	\$ 12,069.82		CT-026; CT-027; CT-028; CT-029; CT-030; CT-033; CT-035; CT-037
19	\$ -		NA
20	\$ 27,167.00		CT-031; CT-034;
<b>Contingency Transfer Total</b>		<b>GMP Contingency Total</b>	<b>Contingency Balance</b>
<b>TOTAL</b>	<b>\$299,230.19</b>	<b>\$3,997,625.00</b>	<b>\$3,698,394.81</b>

## NEW STONEHAM HIGH SCHOOL, STONEHAM, MASSACHUSETTS

### Allowance Budget Summary

Change Order No.	Allowance Amount	Allowance Budget	
		<b>\$990,000.00</b>	<b>Amendment No. 1 - Early Site Package</b>
		<b>\$275,000.00</b>	<b>Amendment No. 2 - Concrete and Steel</b>
		<b>\$0.00</b>	<b>Amendment No. 3 - Equipment PrePurchase</b>
		<b>\$0.00</b>	<b>Amendment No. 4 - Storm System and PV Ductbank</b>
		<b>\$2,545,800.00</b>	<b>Amendment No. 5 - GMP</b>
1	\$ 4,000.00		AT-001
2	\$ 685,000.00		AT-004; AT-007
3	\$ -		NA
4	\$ 5,164.00		AT-002; AT-003
5	\$ -		NA
6	\$ -		NA
7	\$ 44,535.77		AT001B; AT-009; AT-010; AT-013; AT-013; AT-015
8	\$ 46,746.28		AT-012; AT-016; AT-018; AT-019
9	\$ 493,218.07		AT-008; AT-014; AT-017; AT-021; AT-024
10	\$ 103,279.94		AT-022; AT-028
11	\$ -		NA
12	\$ 112,570.85		AT-029; AT-031
13	\$ -		NA
14	\$ 72,329.86		AT-030; AT-032; AT-033
15	\$ -		NA
16	\$ -		NA
17	\$ -		NA
18	\$ 3,213.00		AT-035
19	\$ -		NA
20	\$ 6,202.00		AT-034
	<b>Allowance Total</b>	<b>Allowance Budget</b>	<b>Allowance Balance</b>
<b>TOTAL</b>	<b>\$1,576,259.77</b>	<b>\$3,810,800.00</b>	<b>\$2,234,540.23</b>

## Change Order Summary

DATE: September 11, 2023  
 TO: Stoneham Building Committee  
 SUBJECT: **Change Order Summary – CO-020**

Detailed Description	Value*	Cost**
<b>Allowance Transfers (AT's)</b>		
<b>AT-034 Boulder Handling (T&amp;M)</b> This Allowance Transfer covers the cost of handling boulders over 3 cubic yards (cy) as tracked using Time and Materials (T&M). The cost for this is taken from two existing allowances in the GMP: (1) removing underground obstructions and (2) over excavation. This AT has no additional cost to the project.	\$6,202.00	\$0
<b>Budget Transfers (BT's)</b>		
NONE		
<b>Contingency Transfers (CT's)</b>		
<b>CT-031 Elevator Door Finish</b> <b>Reason Misc</b> This Contingency Transfer captures the cost of the Elevator Doors, which were designed to be powder coated but bought out by the Subcontractor as stainless steel. This has no cost to the project.	\$16,789.00	\$0
<b>CT-034 Relocate and Set Jersey Barriers (T&amp;M)</b> <b>Reason Subcontractor Labor</b> This Contingency Transfer captures the cost to move and re-set jersey barriers along the main walkway from Franklin Street and on the edges of the newly completed student parking and drop off areas. This was tracked as T&M and has no cost to the project.	\$10,378.00	\$0
<b>Reconciled Buyouts (RB's)</b>		
NONE		
<b>Change Requests (CR's)</b>		
<b>CR-087 Pipe Size Clarifications (PR-043)</b> <b>Reason Design</b> This Change Request is from PR-043 which: (1) addressed questions by the Plumbing Subcontractor about pipe sizes and coordination as asked in RFI-189 and (2) adjusted locations of underground pipes that require cleanouts to move them from heavily trafficked areas on Level 01.	\$7,978.03	\$7,978.03
<b>CR-096 Partition Revisions in Coordination (PR-042)</b> <b>Reason Design</b> This Change Request captures several small changes for partitions that were encountered during coordination. These include providing space for PV conduit risers, deepening a wall cavity for panelboards in the kitchen storage, and adjusting the wall rating tags at the Electrical Rooms. This change does not add or remove any walls, but changes elements within them such as deepening a stud adding a layer of GWM, or running GWB to the structure above.	\$5,659.70	\$5,659.70

## Change Order Summary

<b>CR-115</b>	<b>Catwalk Railings and Panelboards (PR-061)</b>	-\$5,844.02	-\$5,844.02
<b>Reason</b>	<b>Design</b>	<p>This Change Request removes a guardrail on the catwalk where it is not required. In addition, it adjusts the method for mounting electrical panelboards along the catwalk. This change results in a credit to the Owner.</p>	
<b>CR-117</b>	<b>Separate Existing Urban Fill (T&amp;M)</b>	\$111,079.92	\$111,079.92
<b>Reason</b>	<b>Unforeseen</b>	<p>This Change Request captures the unforeseen scope of work of separating, stockpiling, and processing urban fill material found during site preparation for underground utilities, infrastructure, and drainage. This material, encountered around the student parking area and on the western side of site, was addressed with work done on a T&amp;M basis by the Site Contractor.</p>	
<b>CR-122</b>	<b>BDA Rated Cable (RFI-221.1)</b>	\$11,857.31	\$11,857.31
<b>Reason</b>	<b>Design</b>	<p>This Change Request provides rated cabling and connections for the Bi-Directional Amplification (BDA) system from Level 01 to the roof antenna.</p>	
<b>CR-123</b>	<b>Deflection Track Criteria</b>	\$10,074.34	\$10,074.34
<b>Reason</b>	<b>Third Party</b>	<p>This Change Request captures a recommendation made by the delegated design Engineer for cold formed metal studs to increase deflection criteria for the auditorium masonry façade. This recommendation increases the gage and/ or stud size.</p>	
<b>CR-126</b>	<b>Duct Re-Route in Video Production (PR-074)</b>	\$5,979.38	\$5,979.38
<b>Reason</b>	<b>Design</b>	<p>This Change Request re-routes ductwork and adds a fire smoke damper in the Video Production suite. During the coordination process it was determined that a duct did not have adequate clearance to go across ceilings within the suite and the team determined that re-routing the duct and adding a fire smoke damper was the most efficient way to address this issue.</p>	
<b>CR-129</b>	<b>Infiltration at Turf Field (CCD-003)</b>	\$6,495.16	\$6,495.16
<b>Reason</b>	<b>Design</b>	<p>This Change Request addresses a question that arose during the install of the underground infiltration at the center turf field. The question of how the infiltration system would perform was resolved by adding 100' of linear perforated pipe on the side of the infiltration system. This change was issued as a CCD and the work was done via T&amp;M because the infiltration was being installed at the time.</p>	
<b>CR-138</b>	<b>Hose Bibb at Area D Mech Well (PR-082)</b>	\$2,077.33	\$2,077.33
<b>Reason</b>	<b>Design</b>	<p>This Change Request adds a hose bibb at the mechanical well in Area D. This change will provide easily accessible water for maintenance purposes.</p>	
<b>Total Change Order Value</b>			<b>\$155,357.15</b>

## Change Order Summary

Notes:

- AT = Allowance Transfer
- BT = Budget Transfer
- HT = Hold Transfer
- RB = Reconciled Buyout
- CR = Change Request
- CT = Contingency Transfer
- OAL = Owner Approval Letter
- PC = Pre-Construction Change Order
- T&M = Time and Materials
- GR = General Requirements
- NA = Not Applicable
- BP = Bid Package
- \* Value of the Change Request
- \*\* Cost to the Project

End of Summary



## Change Order

**Project:**

2515 Stoneham High School  
149 Franklin Street  
Stoneham, MA 02180

**Change Order: CO020**

**Date:** 9/8/2023

**To Contractor:**

Consigli Construction Co., Inc.

**The Contract is changed as follows:**

**Change Order #020**

AT034 Boulder Handling - T&M	\$0.00
CR087 PR-043 Pipe Size Clarifications & FCO Locations - Rev1	\$7,978.03
CR096 PR-042 Wall Revisions	\$5,659.70
CR115 PR-061 - Catwalk Railing Removal & Panel Mounting Confirmation	\$5,844.02-
CR117 Separate Existing Urban Fill - T&M - Rev 1	\$111,079.92
CR122 RFI-221.1 BDA Rated Cable	\$11,857.31
CR123 Deflection Requirement for Exterior Framing at Masonry High Walls - Rev 1	\$10,074.34
CR126 PR074 Video Prod. Duct Reroute	\$5,979.38
CR129 CCD-003 Infiltration at Turf Field	\$6,495.16
CR138 PR-082 Hose Bibb in Area D Mech Well	\$2,077.33
CT031 Elevator Hoistway Door Finish	\$0.00
CT034 Relocate & Set Barriers for Parking Lot - T&M	\$0.00
<b>Total:</b>	<b>\$155,357.15</b>

The original Contract Amount was	\$175,983,887.00
Net change by previously authorized Change Orders	\$933,018.29
The Contract Amount prior to this Change Order was	\$176,916,905.29
The Contract will be increased by this Change Order in the amount of	\$155,357.15
The new Contract Amount including this Change Order will be	\$177,072,262.44
The Contract Time will be unchanged.	

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

Perkins & Will, Inc.  
ARCHITECT

Consigli Construction Co., Inc.  
CONTRACTOR

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

STEVE BANAK

By

By

By

09-08-2023

Date

Date

Date



## Allowance Usage Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** AT034  
**Date:** 8/30/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Boulder Handling - T&M

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

This Allowance Transfer is for the costs associated with handling boulders over 3 CY on the project and tracked against the project allowance. This work was completed on a T&M basis and tracked on SMMA Authorizations #043 and 063.

1. Marois - Handle boulders over 3 CY. This work was completed on a T&M basis and tracked on SMMA Authorizations #043 and 063. The total cost for this scope of work is \$6,202.00 per Marois T&M slips 10036 and 10331.

This Allowance Transfer will transfer \$6,202.00 from Remove Underground Obstructions Allowance (24-010) and Over Excavation Allowance (24-006) to the Sitework Subcontract (2-401).

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$6,202.00		\$6,202.00
Allowance - Remove UG Obstructions				\$-3,939.00		\$-3,939.00
Allowance - Over Excavation				\$-2,263.00		\$-2,263.00
					Subtotal:	\$0.00
		Builders Risk (0.157%)				\$0.00
		General Liability (1.10%)				\$0.00
		SDI (Non-Trade Only) (1.40%)				\$0.00
		OH&P (5%)				\$0.00
		Bond (0.53%)				\$0.00
					<b>Total:</b>	<b>\$0.00</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-30-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR087  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-043 Pipe Size Clarifications & FCO Locations - Rev1

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

This Change Request is for the scope of work associated with PR-043 Pipe Size Clarifications & FCO Locations. This Proposal Request responds to RFI #189 and updates underground plumbing pipe sizing, floor cleanouts, and great trap piping sizes.

1. ARAUJO - Provide all plumbing revisions per PR-043. The total cost for this scope of work per Araujo COR #612 dated May 5, 2023 (REVISED 08-05-2023) is \$7,464.24
2. Please note there will be no cost impacts submitted for the sitework scope of work.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Araujo Bros Plumbing Inc.	15-401				\$7,464.24		\$7,464.24
						Subtotal:	\$7,464.24
			Builders Risk (0.157%)		\$7,464.24		\$11.72
			General Liability (1.10%)		\$7,464.24		\$82.11
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)		\$7,558.07		\$377.90
			Bond (0.53%)		\$7,935.97		\$42.06
						<b>Total:</b>	<b>\$7,978.03</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

PATRICK CONDON

By

By

By

08-22-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR096  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-042 Wall Revisions

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

This Change Request is for the scope of work associated with PR-042 Wall Revisions dated May 23, 2023. This Proposal Request revises drywall partitions to accomodated PV conduit risers, additional drywall at electrical rooms to achieve 1-hr ratings, adjust wall types to adjust HVAC duct clashes/panelboard depths, and adjust fire rating of electric rooms.

1. CENTURY - CR#5 - PR#42 for added wall in Rm B113B and wall type changes as shown in PR-042 drawing updates The total cost for this scope of work is \$5,223.00.
2. THOMPSON DOOR - No change in cost submitted.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Century Drywall, Inc.	9-220				\$5,223.00		\$5,223.00
Thompson Company Inc	8-001						
						Subtotal:	\$5,223.00
			Builders Risk (0.157%)		\$5,223.00		\$8.20
			General Liability (1.10%)		\$5,223.00		\$57.45
			SDI (Non-Trade Only) (1.40%)		\$5,223.00		\$73.12
			OH&P (5%)		\$5,361.77		\$268.09
			Bond (0.53%)		\$5,629.86		\$29.84
						<b>Total:</b>	<b>\$5,659.70</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-24-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR115  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-061 - Catwalk Railing Removal & Panel Mounting Confirmation

**Reason:** Other  
**Source:** PR

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

This Change Request is for the scope of work associated with PR-061 for Catwalk Railing Removal. PR-061 removes a portion of the catwalk railing along the north wall of the Auditorium as the adjacent wall serves as a guardrail and the railing is not required. This PR also includes removal of plywood mounted between catwalk hangers previously owned for mounting electrical panels at this level. Electrical panels shall now be recessed in the GWB wall (panel style/mounting changes confirmed in RFI 241.1).

1. AVID - RCO #7 (PR061) Catwalk Railing Removals in the credit amount of -\$8,073.54
2. WJGEI - Proposal #11 - Barbizon CO#4 - Theater Controls Panel Mounting Changes in the amount of \$3,165.52
3. HOMER - COP 4 - PR 61 dated 08.23.2023 - Catwalk railing removal painting scope in the credit amount of -\$936.00

Note - The Drywall / Rough Carpentry subcontractor has confirmed no change in cost - plywood backing eliminated is offset by the framing work for recessed panels.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Avid Ironworks, Inc.	5-501				\$-8,073.54		\$-8,073.54
Wayne J. Griffin Electric, Inc	16-101				\$3,165.52		\$3,165.52
Homer Contracting Inc	9-901				\$-936.00		\$-936.00
						Subtotal:	\$-5,844.02
			Builders Risk (0.157%)				\$0.00
			General Liability (1.10%)				\$0.00
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)				\$0.00
			Bond (0.53%)				\$0.00
						<b>Total:</b>	<b>\$-5,844.02</b>

- 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.



**Change Request**

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR115  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
PATRICK CONDON

\_\_\_\_\_  
By

\_\_\_\_\_  
By

\_\_\_\_\_  
08-23-2023

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR117  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Separate Existing Urban Fill - T&M - Rev 1

**Reason:** Field Condition  
**Source:** Other

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

This Change Request is for the scope of work associated with the unforeseen existing condition of separating soils and unsuitable material. During excavation in the west parking lot/old practice field, the unearthed urban was found to have debris that could not be processed and was required to be removed including stumps, wood, rebar, wire, etc. The rebar was required to be separated by labor/removed by construction equipment to be processed. This work was completed on a T&M basis and tracked accordingly on SMMA Authorization Slips #052, 053, 056, and 061.

1. Marois - Sort and separate existing material that could not be processed or used as urban fill. This work was completed on a T&M basis and tracked accordingly on SMMA Authorization Slips #052, 053, 056, and 061. The total cost for this scope of work is \$102,509.00 per Marois T&M Summaries #12, 13, 15, and 17.

Rev 1 - 8/23/23 - Revised Change Request to include SMMA Authorization Slips #052 and 061.

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.	2-401				\$102,509.00		\$102,509.00
						Subtotal:	\$102,509.00
			Builders Risk (0.157%)		\$102,509.00		\$160.94
			General Liability (1.10%)		\$102,509.00		\$1,127.60
			SDI (Non-Trade Only) (1.40%)		\$102,509.00		\$1,435.13
			OH&P (5%)		\$105,232.67		\$5,261.63
			Bond (0.53%)		\$110,494.30		\$585.62
						<b>Total:</b>	<b>\$111,079.92</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-24-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR122  
**Date:** 8/15/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** RFI-221.1 BDA Rated Cable

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

This change request is for the following scope of work:

Provisions to provide a rated BDA cable in lieu of providing additional fully rated vertical and horizontal partitions as a pathway through the building for the radio antenna booster system.

1. WJGEI - Proposal #20 RFI-221.1 BDA Rated Cable per RFI-221.1 in the amount of: \$11,093.69

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Wayne J. Griffin Electric, Inc	16-101				\$11,093.69		\$11,093.69
						Subtotal:	\$11,093.69
			Builders Risk (0.157%)		\$11,093.69		\$17.42
			General Liability (1.10%)		\$11,093.69		\$122.03
			SDI (Non-Trade Only) (1.40%)				\$0.00
				OH&P (5%)	\$11,233.14		\$561.66
				Bond (0.53%)	\$11,794.80		\$62.51
						<b>Total:</b>	<b>\$11,857.31</b>

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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

PATRICK CONDON

By

By

08-15-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR123  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Deflection Requirement for Exterior Framing at Masonry High Walls - Rev 1

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

This Change Request is for the scope of work associated with exterior framing at Masonry Veneer at first floor locations over 15'6" height. Per specification section 054000, the exterior cold form metal framing is to be designed for a horizontal deflection of 1/240. Following review of the exterior framing shop drawings, 80 LF of wall requires an increased deflection limit of 1/600 due to the exterior wall stud height greater than 15'-6" with masonry veneer. This revision requires the exterior framing to be modified from 16. ga 6" stud to a 12. ga 8" stud at these specific areas.

1. Century - Provide 1/600 requirement for exterior framing on the first floor with greater than 15'-6" height and masonry veneer. Please note this cost is material only. The total cost for this scope of work is \$9,297.00 per Century CR #8.1 received August 24, 2023.

Rev 1 - 8-24-23 - Revised following project team review of select contract details for existing 8" studded areas.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Century Drywall, Inc.				\$9,297.00		\$9,297.00
					Subtotal:	\$9,297.00
		Builders Risk (0.157%)		\$9,297.00		\$14.60
		General Liability (1.10%)		\$9,297.00		\$102.27
		SDI (Non-Trade Only) (1.40%)		\$9,297.00		\$130.16
		OH&P (5%)		\$9,544.03		\$477.20
		Bond (0.53%)		\$10,021.23		\$53.11
					<b>Total:</b>	<b>\$10,074.34</b>

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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

08-24-2023

By

Date

Date

Date



## Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR126  
**Date:** 8/25/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR074 Video Prod. Duct Reroute

Source: Other

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

This Change Request is for the scope of work associated with PR-074 Video Production Duct Reroute. This proposal request captures the rerouting of a duct out of Video Production Room C227 as reviewed in MEPFP Coordination Meetings and per response to RFI-288 and includes added duct smoke and fire-smoke damper provisions as required.

1. GENERAL MECH - GMC - CO 8.10.23. PR 74 for duct revision and addition of fire smoke damper in the amount of \$3,070.73
2. WJGEI - Proposal #24 - PR-74 Vid. Prod. added duct smoke detector in the amount of \$2,523.58

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
General Mech Contractor Inc	15-501				\$3,070.73		\$3,070.73
Wayne J. Griffin Electric, Inc	16-101				\$2,523.58		\$2,523.58
						Subtotal:	\$5,594.31
			Builders Risk (0.157%)		\$5,594.31		\$8.78
			General Liability (1.10%)		\$5,594.31		\$61.54
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)		\$5,664.63		\$283.23
			Bond (0.53%)		\$5,947.86		\$31.52
						<b>Total:</b>	<b>\$5,979.38</b>

- 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.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Signature)

PATRICK CONDON

By

By

By

08-25-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR129  
**Date:** 8/24/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** CCD-003 Infiltration at Turf Field

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

This Change Request is for the scope of work associated with CCD-003 Infiltration at Turf Field dated August 4, 2023. This CCD provides direction to install an additional 100' of 8" perforated pipe at the west side of stormwater system #2 to be installed as part of the system following on site review by the Civil Engineer of Record. This work was completed on a T&M basis and tracked on SMMA Authorization Slip #68.

1. Marois - Provide additional 8" perforated pipe at stormwater system #2 per CCD-003. This work was completed on a T&M basis and tracked on SMMA Authorization Slip #68. The total cost for this scope of work is \$5,994.00 per Marois T&M Summary #18.

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$5,994.00		\$5,994.00
					Subtotal:	\$5,994.00
		Builders Risk (0.157%)		\$5,994.00		\$9.41
		General Liability (1.10%)		\$5,994.00		\$65.93
		SDI (Non-Trade Only) (1.40%)		\$5,994.00		\$83.92
			OH&P (5%)	\$6,153.26		\$307.66
			Bond (0.53%)	\$6,460.92		\$34.24
					<b>Total:</b>	<b>\$6,495.16</b>

- 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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-24-2023

Date

Date

Date



## Change Request

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CR138  
**Date:** 8/23/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** PR-082 Hose Bibb in Area D Mech Well

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

This Change Request is for the scope of work associated with PR-082 Hose Bibb in Area D Mech. Well. This Proposal Request adds a hose bibb at the Area D roof level mechanical well.

1. ARAUJO - Provide added hose bibb per PR-082, COR 615 dated 08-22-2023 in the amount of \$1,943.55

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
Araujo Bros Plumbing Inc.	15-401				\$1,943.55		\$1,943.55
						Subtotal:	\$1,943.55
			Builders Risk (0.157%)		\$1,943.55		\$3.05
			General Liability (1.10%)		\$1,943.55		\$21.38
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)		\$1,967.98		\$98.40
			Bond (0.53%)		\$2,066.38		\$10.95
						<b>Total:</b>	<b>\$2,077.33</b>

- 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.

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-23-2023

Date

Date

Date



## Contingency Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT031  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Elevator Hoistway Door Finish

Source: Other

In accordance with the contract terms, this Contingency Change Request will be funded from the construction manager's project contingency. Please consider this Contingency Change Request as formal notification of contingency use.

This buyout savings/contingency draw is for the following scope of work:

For passenger elevators 1 & 2, the elevator hoistway doors at each landing were carried with the subcontractor as their standard stainless steel finish. This was carried in the buyout accordingly and noted in the approved OAL. After the first round of elevator submittals in section 142123, it was confirmed that the design team wanted to stay with the spec'd paint color finish in powder coating instead of stainless steel. Kone Inc., has confirmed that any finish or door material change from their standard stainless steel would come at an increase in cost. Cost includes all Kone labor to load, unload, and transport the doors to and from the powder coating vendor. This change shall be funded from construction contingency/buy savings as it would have otherwise have been identified in this manner during the buyout process.

1. Kone, Inc. - Change Order Proposal #3 - SHS Stoneham, MA for changing to prime painted hoistway landing doors with powder coat finish to match color PT-23 in the amount of \$16,789.00

Description	Cost Code	Labor	Material	Equipment	Subcontract	Other	Price
KONE Inc.	14-210				\$16,789.00		\$16,789.00
Contingency Usage - Buy Savings Draw	19-001				\$-16,789.00		\$-16,789.00
						Subtotal:	\$0.00
			Builders Risk (0.157%)				\$0.00
			General Liability (1.10%)				\$0.00
			SDI (Non-Trade Only) (1.40%)				\$0.00
			OH&P (5%)				\$0.00
			Bond (0.53%)				\$0.00
						<b>Total:</b>	<b>\$0.00</b>

- SCHEDULE IMPACT
- We have proceeded with this change and use of contingency to achieve schedule.
- As directed, we will not proceed with this change and use of contingency until formal direction from OWNER is received.



**Contingency Change Request**

**To:** Julie Leduc  
Symmes Maini & Mckee  
1000 Massachusetts Ave.  
Cambridge, MA 02138  
Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT031  
**Date:** 8/22/23  
**Job:** 2515 Stoneham High School  
**Phone:**

Perkins & Will  
ARCHITECT

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

Town of Stoneham  
OWNER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

PATRICK CONDON

\_\_\_\_\_  
By

\_\_\_\_\_  
By

08-22-23

\_\_\_\_\_  
By

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



## Contingency Change Request

**To:** Julie Leduc  
 Symmes Maini & Mckee  
 1000 Massachusetts Ave.  
 Cambridge, MA 02138  
 Ph: (617)520-9299 Fax: (617)354-5758

**Number:** CT034  
**Date:** 7/31/23  
**Job:** 2515 Stoneham High School  
**Phone:**

**Description:** Relocate & Set Barriers for Parking Lot - T&M

In accordance with the contract terms, this Contingency Change Request will be funded from the construction manager's project contingency. Please consider this Contingency Change Request as formal notification of contingency use.

This Contingency Transfer is for the costs associated with relocating/setting jersey barriers at student walkway from Franklin St and edges of the new parking lot. This work was completed on a T&M basis and tracked on SMMA Authorization No. #65

1. Marois - Relocate and set jersey barriers. This work was completed on a T&M basis and tracked on SMMA Authorization No. #65. The total cost for this scope of work is \$10,378.00 per Marois T&M Summary #20 received August 31, 2023.

This Contingency Transfer will transfer \$10,378.00 from Construction Contingency (19-001) to the Sitework Subcontract (2-401).

Description	Labor	Material	Equipment	Subcontract	Other	Price
Marois Bros., Inc.				\$10,378.00		\$10,378.00
Construction Contingency				\$-10,378.00		\$-10,378.00
					Subtotal:	\$0.00
		Builders Risk (0.157%)				\$0.00
		General Liability (1.10%)				\$0.00
		SDI (Non-Trade Only) (1.40%)				\$0.00
		OH&P (5%)				\$0.00
		Bond (0.53%)				\$0.00
					<b>Total:</b>	<b>\$0.00</b>

- SCHEDULE IMPACT
- We have proceeded with this change and use of contingency to achieve schedule.
- As directed, we will not proceed with this change and use of contingency until formal direction from OWNER is received.

Perkins & Will  
 ARCHITECT

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

Town of Stoneham  
 OWNER

(Signature)

(Signature)

(Signature)

PATRICK CONDON

By

By

By

08-31-2023

Date

Date

Date

# ATTACHMENT F

## CONTRACT FOR DESIGNER SERVICES

### AMENDMENT NO. 27

**WHEREAS**, the Town of Stoneham (“Owner”) and Perkins & Will, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Stoneham High School Project (Project Number 201802840505) at the Stoneham High School on July 10, 2020 “Contract”; and

**WHEREAS**, effective as of August 21, 2023, the Parties wish to amend the Contract:

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

1. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

#### Fee for Basic Services:

	<b>Original Contract</b>	<b>Prior Amendments</b>	<b>This Amendment</b>	<b>After this Amendment</b>
Feasibility Study Phase	\$ 175,000.00	\$ 71,733.64	\$ 0.00	\$ 246,733.64
Schematic Design Phase	\$ 245,000.00	\$ 106,259.50	\$ 0.00	\$ 351,259.50
Design Development Phase	\$ 0.00	\$ 3,815,359.00	\$ 0.00	\$ 3,815,359.00
Construction Document Phase	\$ 0.00	\$ 5,273,662.00	\$ 0.00	\$ 5,273,662.00
Bidding Phase	\$ 0.00	\$ 1,124,800.00	\$ 0.00	\$ 1,124,800.00
Construction Phase	\$ 0.00	\$ 4,199,050.00	\$ 14,300.00	\$ 4,213,350.00
Completion Phase	\$ 0.00	\$ 423,600.00	\$ 0.00	\$ 423,600.00
<b>Total Fee</b>	<b>\$420,000.00</b>	<b>\$15,014,464.14</b>	<b>\$ 14,300.00</b>	<b>\$15,448,764.14</b>

This Amendment is a result of: Providing Additional Services for Exhaust Dispersing Design Study at the New Stoneham High School project to be funded out of MSBA ProPay 0204-0200, Hazardous Materials.

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2. The Construction Budget shall be as follows:

Original Budget:	\$ <u>153,418,660.00</u>
Amended Budget	\$ <u>153,418,660.00</u>

3. The Project Schedule shall be as follows:

Original Schedule:	<u>June 2025</u>
Amended Schedule	<u>June 2025</u>

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

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Dennis J. Sheehan  
(print name)

Town Administrator, Town of Stoneham  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

DESIGNER

Robert Brown, AIA, IIDA, LEED AP  
(print name)

Managing Director, Principal, Perkins & Will  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

# Perkins&Will

8.29.2023

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

**Re: Stoneham High School / Additional Services #27 Attachment F**

Dear Mr. Sheehan,

As requested, attached, and noted herein, are the additional services for the Exhaust Dispersion and Design in order to evaluate the generator exhaust stack height at the south side of the new Stoneham High School.

## **Project Overview**

The scope of service is to provide detailed modeling to demonstrate compliance with local regulatory standards. This assessment will be completed following a separate analysis conducted for good engineering practice (to optimize design for health and odor-based impacts) or as a standalone based on the proposed design. The analysis will be based on the mechanical and equipment information collected for our building air quality study (for good engineering practice, if completed) or as proposed by the design team. The EPA AERMOD simulation tool will be used to predict the concentration of criteria pollutants (i.e., PM, NO<sub>x</sub>, etc.) at the site's property line (and at any other sensitive receptors required by the MassDEP) for generators and boilers that exceed the MassDEP size thresholds. In the event that the design fails to meet the local requirements, we will carry out one additional simulation to investigate potential mitigative solutions to potentially reduce stack height of the generator.

## **Schedule**

The scope herein has been approved by the Stoneham Building Committee. Services will proceed when written authorization is provided by the Town of Stoneham.

# Perkins&Will

8.29.2023  
Stoneham High School /  
Additional Services #27  
Attachment F

## Compensation

Based on the scope and schedule outlined herein (and attached) you will find the compensation noted below.

Any deviations to the attached, and as noted herein, will be at an additional charge to the below fee.

RWDI:	\$ 13,000
Perkins&Will @ 10% Mark-up	\$ 1,300
<b>Total</b>	<b>\$ 14,300</b>

Thank you,



**Brooke Trivas**  
Principal, Practice Leader for Perkins&Will

cc: Perkins&Will Team, Julie LeDuc- SMMA, file

# ATTACHMENT F

## CONTRACT FOR DESIGNER SERVICES

### AMENDMENT NO. 28

**WHEREAS**, the Town of Stoneham (“Owner”) and Perkins & Will, (the “Designer”) (collectively, the “Parties”) entered into a Contract for Designer Services for the Stoneham High School Project (Project Number 201802840505) at the Stoneham High School on July 10, 2020 “Contract”; and

**WHEREAS**, effective as of August 21, 2023, the Parties wish to amend the Contract:

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

1. For the performance of services required under the Contract, as amended, the Designer shall be compensated by the Owner in accordance with the following Fee for Basic Services:

#### Fee for Basic Services:

	<b>Original Contract</b>	<b>Prior Amendments</b>	<b>This Amendment</b>	<b>After this Amendment</b>
Feasibility Study Phase	\$ 175,000.00	\$ 71,733.64	\$ 0.00	\$ 246,733.64
Schematic Design Phase	\$ 245,000.00	\$ 106,259.50	\$ 0.00	\$ 351,259.50
Design Development Phase	\$ 0.00	\$ 3,815,359.00	\$ 0.00	\$ 3,815,359.00
Construction Document Phase	\$ 0.00	\$ 5,273,662.00	\$ 0.00	\$ 5,273,662.00
Bidding Phase	\$ 0.00	\$ 1,124,800.00	\$ 0.00	\$ 1,124,800.00
Construction Phase	\$ 0.00	\$ 4,213,350.00	\$ 175,000.00	\$ 4,388,350.00
Completion Phase	\$ 0.00	\$ 423,600.00	\$ 0.00	\$ 423,600.00
<b>Total Fee</b>	<b>\$420,000.00</b>	<b>\$15,028,764.14</b>	<b>\$ 175,000.00</b>	<b>\$15,623,764.14</b>

This Amendment is a result of: Providing Additional Services for Branded Educational Environmental Graphics in the New Stoneham High School to be funded out of MSBA ProPay 0203-9900, Other Reimbursable Costs.

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2. The Construction Budget shall be as follows:

Original Budget:	\$ <u>153,418,660.00</u>
Amended Budget	\$ <u>153,418,660.00</u>

3. The Project Schedule shall be as follows:

Original Schedule:	<u>June 2025</u>
Amended Schedule	<u>June 2025</u>

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

IN WITNESS WHEREOF, the Owner, with the prior approval of the Authority, and the Designer have caused this Amendment to be executed by their respective authorized officers.

OWNER

Dennis J. Sheehan  
(print name)

Town Administrator, Town of Stoneham  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

DESIGNER

Robert Brown, AIA, IIDA, LEED AP  
(print name)

Managing Director, Principal, Perkins & Will  
(print title)

By \_\_\_\_\_  
(signature)

Date \_\_\_\_\_

# Perkins&Will

8.30.2023

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

## Re: Stoneham High School / Additional Services #28 Attachment F

Dear Mr. Sheehan,

As requested, and noted herein, are the additional services for the Environmental Branding for the new Stoneham High School. We are very enthusiastic about this portion of the project which has already received committee approval. We submit this additional service letter for your execution.

### Project Overview

The scope of the service is to provide branded educational environment graphics to tell Stoneham's story, support a common vision and mission, spark emotional human connections, create a sense of belonging, excitement, engagement, and ownership. In support of your educational goals, Perkins&Will proposes inclusion of the services listed below. The locations for environmental branding that apply to this scope of services are:

1. Auditorium undercut wall & ceiling
2. Gym north wall at monumental stair
3. Gym north wall at interior (gym) side
4. Gym south wall (gym side)
5. Pre-K entry
6. Monumental stair level 2->3
7. Athletic corridor at Athletic entrance
8. Exterior fins

### 1A. Story and Showcase Elements: Visioning + Strategy . . . . . \$25,000

The purpose of incorporating Story and Showcase Forms is to promote and celebrate accomplishments, to evoke pride and create a cultural unity. Through a series of exercises, P&W will share inspiration, insights, and ideas to help stakeholders identify and communicate goals, vision and story drivers. A strategy will be formed around this information with walls identified in the contract documents and noted above.

- Research & Session Prep
- Visioning/Visual Listening Session & Existing Assets Review
- Visioning Synthesis & Project Driver Framework Development
- Story Visioning & Framework Presentation
- Includes (1) client in person meeting

8.30.2023  
Stoneham High School /  
Additional Services #28  
Attachment F

**1B. Story and Showcase Elements: Design . . . . . \$90,000**

Based on the scope contained in the contract documents and noted above the team will develop environmental branding generated from the ideas developed from the Visioning+ Strategy meetings.

- Brand location mapping
- Messaging and graphic design
- Includes (2) client meetings. One in person one virtual.

**1C. Story +Showcase Elements: Development + Implementation . . \$60,000**

Development and implementation of the graphics based on the areas contained in the contract documents and noted above.

- Curation of final content
- Cost Analysis and Value Engineering
- Presentations and consensus building
- Production art and coordination with subcontractors
- Includes (1) client meeting

**Schedule**

The scope herein has been approved by the Stoneham Building Committee. Services will proceed when written authorization is provided by the Town of Stoneham. The following schedule has been put forward to the Town of Stoneham for approval.

- **Sept 15:** In person Visioning/Story Mining Session
- **Oct 13:** In person/Presentation of Story Concepts and fin design
- **Oct 27:** Virtual/ Finish Design final approval, sharing of graphic ideas
- **Nov 3:** Finish drawings complete
- **Dec 8:** Final graphic production art files

**Compensation**

Based on the scope and schedule outlined herein you will find the compensation noted below.

Any deviations to the above scope will be at an additional charge to the below fee.

Environmental Branding	\$ 175,000
Perkins&Will @ 10% Mark-up	<i>Included above</i>
<b>Total</b>	<b>\$ 175,000</b>

Thank you,



**Brooke Trivas**  
Principal, Practice Leader for Perkins&Will

cc: Perkins&Will Team, Julie LeDuc– SMMA, file

## BRANDED ENVIRONMENT SERVICES: K12



### EXPERIENCE DESIGN /// SERVICE OPTIONS AND SAMPLE FEES

A Branded Educational Environment tells a story, supports a common vision and mission, sparks emotional human connections, triggers pride and motivation, and creates a sense of belonging, excitement, engagement, and ownership. In support of your educational goals, Perkins&Will proposes inclusion of the services listed below.

#### 1A. Story and Showcase Elements: Visioning + Strategy . . . . . \$25,000

The purpose of incorporating Story and Showcase Forms is to promote and celebrate accomplishments, to evoke pride and create a cultural unity.

Through a series of exercises, P&W will share inspiration, insights and ideas to help stakeholders identify and communicate goals, vision and story drivers. A strategy will be formed around this information, and will in turn be expressed through various story showcases such as History Walls, Timelines, Tributes, Environmental Graphics, Media Walls, Banners, etc.

*Example work may include:*

- Research & Session Prep
- Visioning/Visual Listening Session & Existing Assets Review
- Visioning Synthesis & Project Driver Framework Development
- Story Visioning & Framework Presentation
- Includes (1) client meeting

*Typically corresponds to the Architectural Kick-off/Programming Phase.*

#### 1B. Story and Showcase Elements: Design . . . . . \$90,000

*Price dependent on quantity and complexity determined in visioning session.*

*Example work may include:*

- Brand location map
- Messaging, Graphic design or showcase exhibits for: Entrances, Corridors, Cafeteria, Department Entries, Gymnasium
- Integration of brand patterning into architectural elements: flooring, tile, glass, textiles
- Includes (2) client meetings

*Typically corresponds to the Architectural Schematic Design Phase.*

#### 1C. Story and Showcase Elements: Development + Implementation . . . . . \$60,000

*Price dependent on quantity and complexity of final designs.*

*Example work may include:*

- Curation of final content
- Cost Analysis and Value Engineering
- Presentations and consensus building
- Production art and coordination with subcontractors
- Includes (1) client meeting

*Typically corresponds to the Architectural CD and CA Phases.*

#### 2. Digital Content Design for Launch. . . . . \$50,000

In conjunction with digital media partners, P&W is able to provide custom, branded content that will reside on monitors in common areas.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Monitor Location Plan
- Story Matrix
- Strategy for Content Management System
- Art Direction for templates and reels
- Coordination with digital design sub to create launch files
- (2) animated reels. Content integration not included, but can be included as an additional service.
- Content integration can be included at higher range fee

*Typically corresponds to the Architectural CA Phase.*



**3. Donor Recognition Design . . . . . \$30,000**

The creation of a Donor Recognition system to honor partners and contributors both in one localized feature and throughout the building as necessary.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Concept/Schematics/Development/Final Design Intent/Fabrication Admin
- Mapping, Messaging and Design Intent for up to (3) Group and (5) At-Room elements
- Donor Program provided by client
- Cost Analysis and Value Engineering
- Includes (4) client meetings

*Typically corresponds to the Architectural DD and CA Phases.*

**4. Interior Wayfinding Strategy and Signage Design . . . . . \$60,000**

We can incorporate existing campus signage standards or work with stakeholders to create custom solutions that reflect the spirit of the new or renovated building.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Concept/Schematics/Development/Final Design Intent/Fabrication Admin for: Exterior Building/Monuments, Base Building / Rooms, Designations, Wayfinding
- Mapping, Messaging and Design Intent
- Cost Analysis and Value Engineering
- Includes (4) client meetings

*Typically corresponds to the Architectural SD, DD, CD and CA Phases.*

**5. Identity Development . . . . . \$35,000**

P&W has dedicated brand strategists and graphic designers who develop identities for departments, buildings, complexes, events, and organizations. Development can include new logos, organizational lock-ups, iconic patterning, color palettes, typography, brand guides, collateral design, etc.

*Price dependent on quantity and complexity of program communicated.*

*Example work may include:*

- Mini identity focused visioning session
- (3) Logo concepts and development
- (3) Sample applications: Official Documents, Uniforms, Gifts
- Includes (1) client meetings
- More complex identity options include brand promises, guidelines, extended media and collateral, etc.

*Typically corresponds to the Architectural SD Phase.*

**6. Marketing Materials for Donor/Partner Recruitment . . . . . \$15,000**

Work with P&W to create compelling collateral for use creating promotional materials that celebrate the project and recruit financial support with target donors. Examples could include videos printed brochures, coffee table books, augmented reality, custom gifts, websites, etc.

*Example work may include:*

- Objectives review, recommendations for collateral/medium
- Development in conjunction with marketing stakeholders

*Typically corresponds to the Architectural SD or DD Phase.*

**GENERAL NOTES**

Travel costs and standard reimbursables are not included. Meetings may be combined for multiple services. Fees assume that brand assets, photography, and copywriting will be supplied to P&W. Related work outside of the project scope may be identified throughout the course of the project.

The following additional services can be negotiated:

- Detailed Field Measurement & Documentation of Project Site
- Modifications & Redesign to any Previously Approved Design Elements
- Structural, Electrical or Communications Systems Engineering Services
- Multi-Lingual Design or Translation (assumes project delivered in English)
- Meetings and/or Services Related to Obtaining Local Jurisdictional Reviews & Approvals
- As-Built” Documentation
- Donor Recognition System Standards & Guideline
- Application of Donor Recognition System to Facilities
- Development of Supplemental Donor Recognition Print or Electronic Graphics
- Digital Content Integration
- Research, recommendations or selections of sub-contractors and vendors
- Price estimating exercises
- Copywriting and/or content creation for collateral or exhibits
- Procurement for marketing collateral









**Town of Stoneham  
Stoneham High School**

September 11, 2023

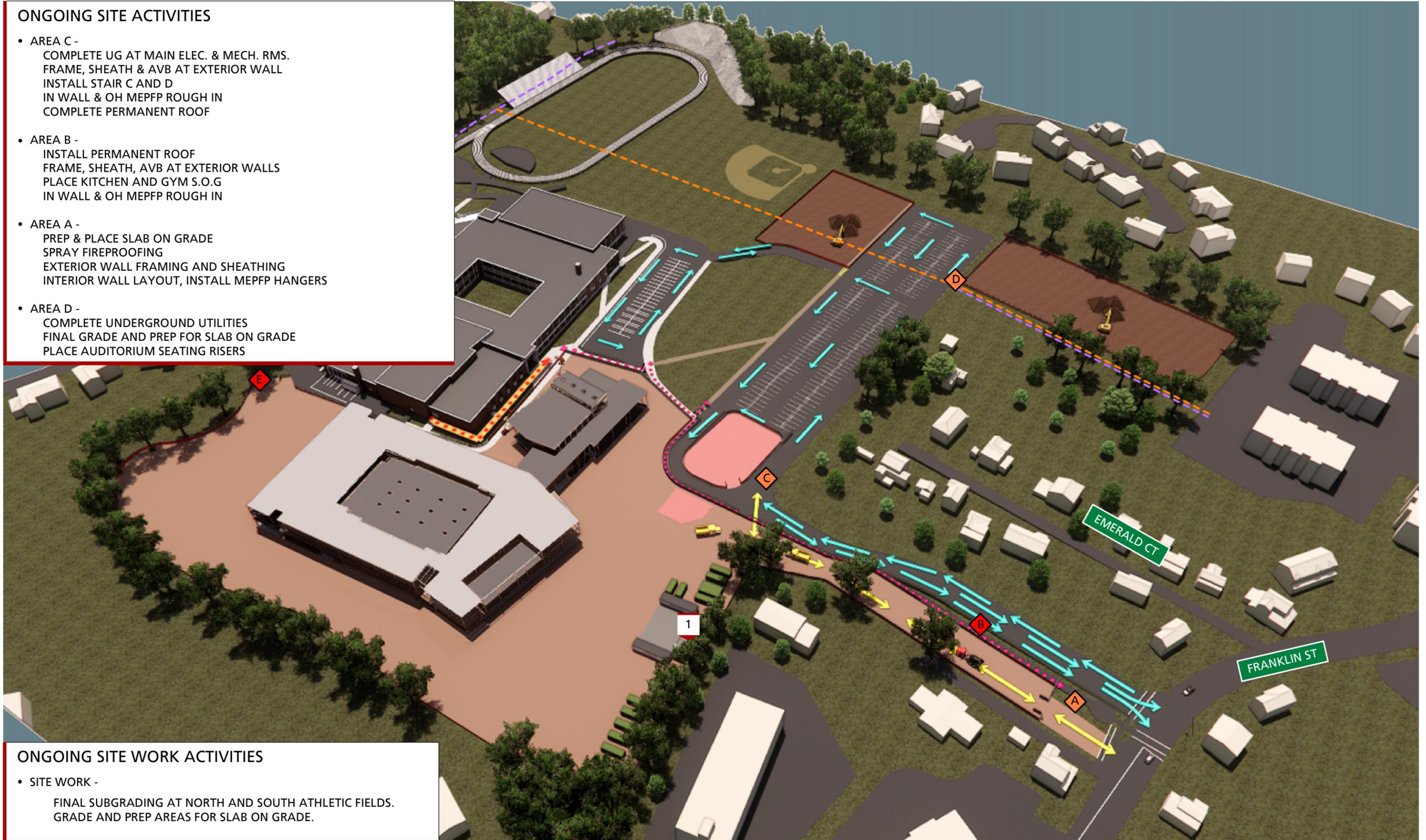
**Project Budget and Cost Summary**

SMMA

Description	BUDGET			COST				CASH FLOW	
	PFA Approved Budget	Authorized Changes	Approved Budget	Committed Costs	Uncommitted Costs	Forecast Costs	Total Project Costs	Expenditures to Date	Balance To Spend
<b>20 Construction</b>									
Pre-Construction Services	\$258,528	\$29,250	\$287,778	\$287,778	\$0	\$0	\$287,778	\$287,778	\$0
Construction	\$153,418,660	\$22,565,227	\$175,983,887	\$175,983,887	\$0	\$0	\$175,983,887	\$35,182,926	\$140,800,961
CMR Contingency (5.%)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Change Orders		\$933,018	\$933,018	\$933,018	\$0	\$2,193,637	\$3,126,656	\$924,939	\$2,201,717
<b>Subtotal</b>	<b>\$153,677,188</b>	<b>\$23,527,495</b>	<b>\$177,204,683</b>	<b>\$177,204,683</b>	<b>\$0</b>	<b>\$2,193,637</b>	<b>\$179,398,321</b>	<b>\$36,395,642</b>	<b>\$143,002,678</b>
<b>30 Architectural &amp; Engineering</b>									
Designer - Feasibility	\$175,000	\$0	\$175,000	\$175,000	\$0	\$0	\$175,000	\$175,000	\$0
Schematic Design	\$245,000	\$0	\$245,000	\$245,000	\$0	\$0	\$245,000	\$245,000	\$0
Design Development	\$3,233,800	\$0	\$3,233,800	\$3,233,800	\$0	\$0	\$3,233,800	\$3,233,800	\$0
Construction Documents	\$4,921,000	\$184,588	\$5,105,588	\$5,105,588	\$0	\$0	\$5,105,588	\$5,105,588	\$0
Bidding / Negotiations	\$1,124,800	\$0	\$1,124,800	\$1,124,800	\$0	\$0	\$1,124,800	\$1,123,675	\$1,125
Closeout	\$423,600	\$0	\$423,600	\$423,600	\$0	\$0	\$423,600	\$0	\$423,600
Construction Administration	\$3,936,800	\$0	\$3,936,800	\$3,936,800	\$0	\$0	\$3,936,800	\$1,107,225	\$2,829,575
Geotech/GeoEnvironmental Consultant	\$657,170	\$0	\$657,170	\$591,343	\$65,827	\$0	\$657,170	\$462,610	\$194,560
Site Survey	\$44,000	\$0	\$44,000	\$44,000	\$0	\$0	\$44,000	\$44,000	\$0
Wetlands	\$20,000	\$0	\$20,000	\$13,640	\$6,360	\$0	\$20,000	\$0	\$20,000
Hazardous Materials	\$269,830	\$0	\$269,830	\$48,950	\$220,880	\$0	\$269,830	\$30,877	\$238,953
Feasibility Environmental and Site	\$160,000	\$14,193	\$174,193	\$174,193	\$0	\$0	\$174,193	\$149,219	\$24,974
Other Feasibility Costs	\$65,000	-\$39,193	\$25,807	\$24,807	\$999	\$0	\$25,807	\$24,051	\$1,756
Traffic Studies	\$209,000	\$7,700	\$216,700	\$216,700	\$0	\$0	\$216,700	\$112,964	\$103,736
Other Reimbursable Costs	\$320,000	\$167,300	\$487,300	\$318,107	\$169,193	\$5,807	\$493,107	\$53,735	\$439,371
Printing (Over the Minimum)	\$40,000	\$0	\$40,000	\$0	\$40,000	\$0	\$40,000	\$0	\$40,000
Testing & Inspections	\$60,000	-\$4,250	\$55,750	\$0	\$55,750	\$0	\$55,750	\$0	\$55,750
<b>Subtotal</b>	<b>\$15,905,000</b>	<b>\$330,338</b>	<b>\$16,235,338</b>	<b>\$15,676,328</b>	<b>\$559,010</b>	<b>\$5,807</b>	<b>\$16,241,145</b>	<b>\$11,867,745</b>	<b>\$4,373,400</b>
<b>40 Administrative Costs</b>									
OPM Feasibility Study	\$105,000	\$0	\$105,000	\$105,000	\$0	\$0	\$105,000	\$105,000	\$0
OPM Design Development	\$380,000	\$0	\$380,000	\$380,000	\$0	\$0	\$380,000	\$380,000	\$0
OPM Construction Contract Documents	\$640,000	\$0	\$640,000	\$640,000	\$0	\$0	\$640,000	\$640,000	\$0
OPM Bidding	\$180,000	\$0	\$180,000	\$180,000	\$0	\$0	\$180,000	\$180,000	\$0
OPM Construction Contract Administration	\$3,185,100	\$0	\$3,185,100	\$3,185,100	\$0	\$0	\$3,185,100	\$895,500	\$2,289,600
OPM Closeout	\$220,000	\$0	\$220,000	\$220,000	\$0	\$0	\$220,000	\$0	\$220,000
OPM Testing and Inspections	\$560,000	\$0	\$560,000	\$220,000	\$340,000	\$0	\$560,000	\$100,126	\$459,874
OPM Supplemental Services	\$140,000	\$0	\$140,000	\$23,819	\$116,181	\$0	\$140,000	\$23,819	\$116,181
OPM Reimbursable & Other Services	\$80,000	\$0	\$80,000	\$14,569	\$65,431	\$0	\$80,000	\$14,569	\$65,431
Advertising	\$20,000	\$0	\$20,000	\$3,829	\$16,171	\$0	\$20,000	\$3,829	\$16,171
Other Administrative Costs	\$260,000	\$0	\$260,000	\$10,220	\$249,780	\$0	\$260,000	\$692	\$259,308
Utility Fees	\$200,000	\$0	\$200,000	\$159,328	\$40,672	\$0	\$200,000	\$159,328	\$40,672
Legal	\$120,000	\$0	\$120,000	\$6,660	\$113,340	\$0	\$120,000	\$6,660	\$113,340
Permitting	\$120,000	\$0	\$120,000	\$28,059	\$91,942	\$0	\$120,000	\$28,059	\$91,942
Owner's Insurance (OCIP)	\$200,000	\$0	\$200,000	\$0	\$200,000	\$0	\$200,000	\$0	\$200,000
Other Project Costs 1	\$360,000	\$0	\$360,000	\$0	\$360,000	\$0	\$360,000	\$0	\$360,000
<b>Subtotal</b>	<b>\$6,770,100</b>	<b>\$0</b>	<b>\$6,770,100</b>	<b>\$5,176,585</b>	<b>\$1,593,515</b>	<b>\$0</b>	<b>\$6,770,100</b>	<b>\$2,537,583</b>	<b>\$4,232,517</b>
<b>50 Furniture, Fixtures and Equipment</b>									
Furniture, Fixtures and Equipment	\$1,251,000	\$1,675,000	\$2,926,000	\$1,251,000	\$1,675,000	\$0	\$2,926,000	\$0	\$2,926,000
Technology/Computer Equipment	\$1,251,000	\$250,000	\$1,501,000	\$1,251,000	\$250,000	\$0	\$1,501,000	\$0	\$1,501,000
<b>Subtotal</b>	<b>\$2,502,000</b>	<b>\$1,925,000</b>	<b>\$4,427,000</b>	<b>\$2,502,000</b>	<b>\$1,925,000</b>	<b>\$0</b>	<b>\$4,427,000</b>	<b>\$0</b>	<b>\$4,427,000</b>
<b>Project Sub-Total</b>									
	\$178,854,288	\$25,782,833	\$204,637,121	\$200,559,596	\$4,077,525	\$2,199,444	\$206,836,566	\$50,800,970	\$156,035,595
<b>70 Project Contingency</b>									
Construction Contingency (Hard Cost) (5%)	\$7,670,933	-\$933,017	\$6,737,916	\$6,737,916	-\$2,193,637	\$4,544,278		\$4,544,278	
Owner's Contingency (Soft Cost) (2%)	\$3,068,373	-\$359,588	\$2,708,785	\$2,708,785	-\$5,807	\$2,702,978		\$2,702,978	
<b>Subtotal</b>	<b>\$10,739,306</b>	<b>-\$1,292,605</b>	<b>\$9,446,701</b>	<b>\$9,446,701</b>	<b>-\$2,199,444</b>	<b>\$7,247,257</b>		<b>\$7,247,257</b>	
<b>Project Total</b>									
	\$189,593,594	\$24,490,228	\$214,083,822	\$200,559,596	\$13,524,226	\$0	\$214,083,822	\$50,800,970	\$163,282,852

### ONGOING SITE ACTIVITIES

- AREA C -  
COMPLETE UG AT MAIN ELEC. & MECH. RMS.  
FRAME, SHEATH & AVB AT EXTERIOR WALL  
INSTALL STAIR C AND D  
IN WALL & OH MEPPF ROUGH IN  
COMPLETE PERMANENT ROOF
- AREA B -  
INSTALL PERMANENT ROOF  
FRAME, SHEATH, AVB AT EXTERIOR WALLS  
PLACE KITCHEN AND GYM S.O.G  
IN WALL & OH MEPPF ROUGH IN
- AREA A -  
PREP & PLACE SLAB ON GRADE  
SPRAY FIREPROOFING  
EXTERIOR WALL FRAMING AND SHEATHING  
INTERIOR WALL LAYOUT, INSTALL MEPPF HANGERS
- AREA D -  
COMPLETE UNDERGROUND UTILITIES  
FINAL GRADE AND PREP FOR SLAB ON GRADE  
PLACE AUDITORIUM SEATING RISERS



### ONGOING SITE WORK ACTIVITIES

- SITE WORK -  
FINAL SUBGRADING AT NORTH AND SOUTH ATHLETIC FIELDS.  
GRADE AND PREP AREAS FOR SLAB ON GRADE.

SMMA

Project Management



Town of Stoneham

# New Stoneham High School

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Construction Update

09.11.2023





Drone Aerial – August 10, 2023



Drone Aerial – September 6, 2023



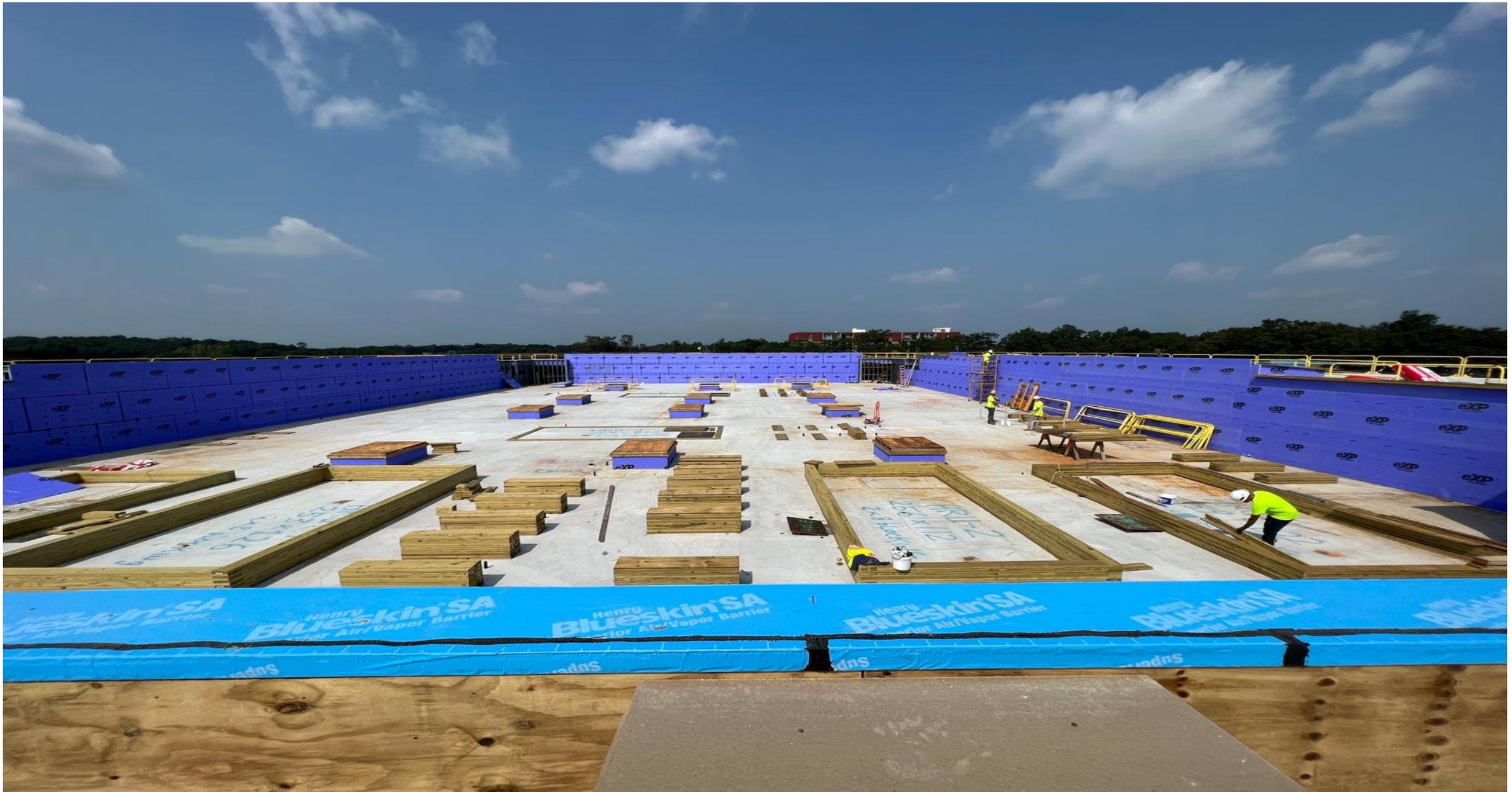
Drone Aerial – September 6, 2023 – North & East Elevation



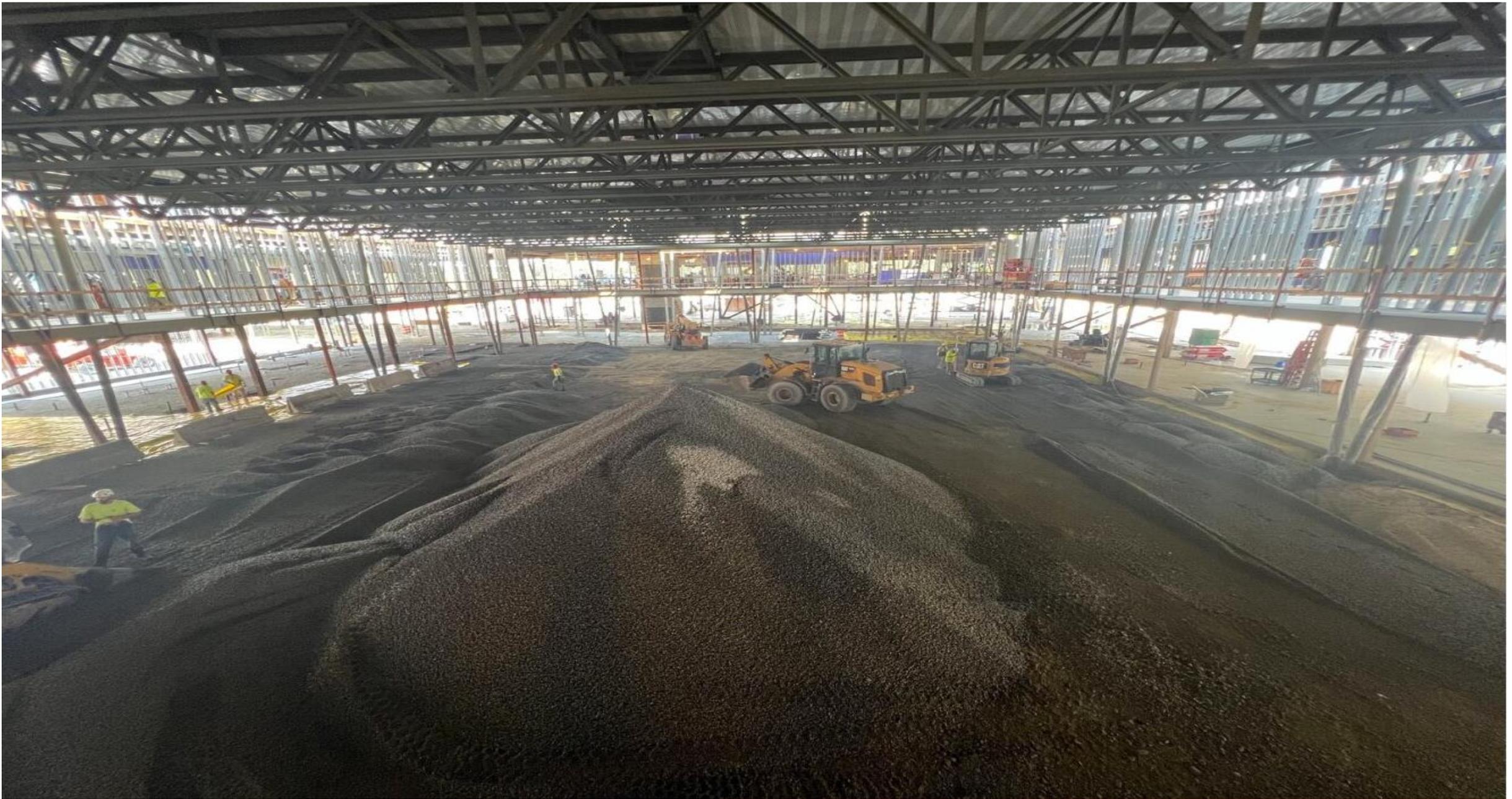
**Drone Aerial – September 6, 2023 - South Elevation**



Area C Roof



Gymnasium Roof



Gymnasium



First Floor – Area A



**Second Floor West Corridor – Area B**



Second Floor Toilet Room – Area C

## Project Minutes

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

Project No.: 20033  
 Meeting Date: 7/31/2023  
 Time: 10:00am  
 Meeting No: 54

## Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
	Raymie Parker	Select Board
✓	Dennis Sheehan	Town Administrator
✓	April Lanni	Town Procurement Officer / MCPPO Certified
	David Ljungberg	Superintendent of Schools
✓	Brian McNeil	Facilities Director
✓	Erin Wortman	Director, Planning and Community Development
✓	Susan McPhee	Energy Conservation Coordinator
	Olivia Brissette	Nexamp
✓	Ariel Kondiles	Nexamp
	Kelsey Shukis	Nexamp
✓	Mark Frigo	Nexamp
✓	Chris Perron	Nexamp
	Dee Watson	Nexamp
✓	Stephen Petrarca	Nexamp
✓	Jennifer Dukett	Nexamp
✓	Scott Sargent	Nexamp
✓	Lumumba Kamguia	Nexamp
✓	Kevin Loiselle	Nexamp
✓	Grace Taylor	Nexamp
	Brooke Trivas	Perkins and Will
	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	Ryan Flynn	BALA
	Steve Burke	Consigli
✓	Tom Michelman	SEA
✓	Robert Smith	SMMA
✓	Julie Leduc	SMMA
✓	Sarah Traniello	SMMA

Item #	Action	Discussion
54.1	<b>M.Frigo / D. Sheehan</b>	<p><b>Photovoltaic System - Agreements</b></p> <ol style="list-style-type: none"> <li>1. Draft SESS Agreement, Pilot Agreement and Lease Agreement:               <ol style="list-style-type: none"> <li>a. Nexamp sent back the SESS Agreement on April 19, 2023 and now all (3) documents: the Lease, Pilot Agreement and SESS Agreement are all with the Town Counsel, Attorney B.Galvin. D.Sheehan will follow up on its status with A. Lanni                   <ul style="list-style-type: none"> <li>• All documents are with Town attorneys for review/ approval. Ongoing: Contract is expected to be executed within the week.</li> <li>• [7/17/2023] – Ongoing. Attorney has returned from vacation. Final pricing needs to come in to finalize the Contract.</li> <li>• <b>[7/31/2023] – D.Sheehan advised that he is waiting on pricing from Nexamp before finalizing the Contract.</b></li> </ul> </li> <li>b. Nexamp is anticipating cost estimates by end of this week, pricing next week. After pricing is received, a meeting with the Town will be set to review the pricing package.                   <ul style="list-style-type: none"> <li>• There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol’s design and costs and PanelClaw’s design and costs.</li> <li>• Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw’s costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.</li> </ul> </li> <li>c. M.Frigo stated the permit is being finalized and expects to talk with Town Counsel and the Building Inspector, C.Noble, prior to submitting permit. Ongoing: Per M.Frigo email during week of June 20, 2023, the design would not be complete for 5 weeks at which time pricing would need to be provided in order to proceed with the Contract once agreed upon                   <ul style="list-style-type: none"> <li>• <b>Cost estimating will be performed. Vague date and email with estimated date. Hoping for within 10 days.</b></li> <li>• <b>[7/31/2023] – M.Frigo still has Permitting question with the Building Inspector, Cheryl Noble – Status: Pending.</b></li> </ul> </li> </ol> </li> </ol>
54.2	<b>G.Taylor / M.Frigo / S.Messinger</b>	<p><b>Nexamp Coordination - Canopies</b></p> <ol style="list-style-type: none"> <li>1. Nexamp confirmed all information has been received for the canopies.               <ol style="list-style-type: none"> <li>a. S.Messinger indicated it is a very important time in the project and all of the PV information, the roof especially, needs to be coordinated. G.Taylor provided 60% CD design documents late last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.</li> </ol> </li> <li>2. <b>Canopy Foundation Design and Lightning Protection:</b> R.Smith sent over questions to G.Taylor regarding coordination of Canopy Foundations for drainage connections and connecting the school Lightning Protection System for roof top solar panels.               <ol style="list-style-type: none"> <li>a. G.Taylor advised that the Engineering Team is looking into Lightning Protection for the panels. G.Taylor was asked about an update on the drainage question from previous meeting. G.Taylor advised drain locations were advised last fall.                   <ul style="list-style-type: none"> <li>• S.Messinger reminded that Perkins&amp;Will designed the New Stoneham High School building to have lightning protection built into the structure where it will take the electricity from a strike and channel it properly into the ground safely. S.Messinger advocated that Nexamp provide details with relation to the lightning protection for the canopies and the photovoltaic racks on the roof so that it can be coordinated to either connect with their lightning protection system or have its own independent of the building structure. Nexamp to advise.</li> <li>• M.Frigo will advise whether Nexamp’s Photovoltaic Panels and Canopies have their own lightning protection system, will need to be certified separately, or if they will be tied into the high school building structure’s lightning protection system. S.Messinger advised that</li> </ul> </li> </ol> </li> </ol>

Perkins&Will needs to know so that it can be coordinated. M.Frigo advised Nexamp can connect to the building structure and hopefully save making additional penetrations.

- M.Frigo advised that the canopies lightning protection needs to be planned and coordinated. Details to follow.
- Update: Lightning Protection Design, as well as panelboards, inverters, etc., will be incorporated in the 90% CD design Nexamp said they would be providing, ideally, by the end of this week.

S.Messinger stressed the criticality of coordination of these items once the 90% CD set is provided. M.Frigo asked G.Taylor if Lightning Protection was incorporated. G.Taylor advised she will follow up with Engineering. **S. Sargent to follow up with Engineer Francois of Parasol.**

3. **Foundation and Footings Design:** G.Taylor advised that their Designer, Parasol, has met with the Geotechnical Engineer and is working on the foundation design. J.Leduc and S.Messinger asked if Parasol is pushing forward with the design to have updates to share by weeks end. SMMA and P&W will follow up with G.Taylor on Friday during the Coordination Meeting. G.Taylor will get dates from them.
- a. G.Taylor provided 60% CD design documents last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.
  - b. Update was provided late prior week that Nexamp may not be able to get in and do footings or foundations this summer. Carports work was due to start on June 14, 2023 but it is uncertain to be starting as planned.
  - c. There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol's design and costs and PanelClaw's design and costs.
  - d. Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw's costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.
  - e. PanelClaw's Basis of Design is needed together with their cost estimate to be finalized in order to provide the interconnection cost which will be a bogey so that we can get the immediate work done.
  - f. Status: Ongoing. M.Frigo of Nexamp reiterated it was extremely unlikely Nexamp/Parasol are able to get the foundations for the canopies installed prior to the August 5, 2023 deadline as M.Frigo is unsure how long it will take for Parasol to get mobilized once the contracts are signed to begin the work. Window for performing the work is July 5, 2023 to August 5, 2023 to fit the schedule. In the event Parasol is unable to mobilize in time, SMMA stated that conversations were had with Consigli that their excavator subcontractor, Marois, is on site and able to do the footing/foundation work if Parasol will allow it. Financials would need to be figured out amongst all parties. M.Frigo stated he would need to speak with Parasol and will provide a response by the end of this week.
  - g. Status: Ongoing. J.Leduc asked when will we have footings? *M.Frigo has advised there will be no foundations this summer.* S.Messinger, R.Smith J.Leduc advised M.Frigo and G.Taylor that drainage and electrical and tapping off from footing will need to occur this summer. G.Taylor advised that the canopy designs are not finalized and there are 2 canopy locations that they are looking at placement. G.Taylor advised that the other canopy location has geotechnical issues that arise with ledge. Drainage on west parking lot and in East parking lot would either be minimal or grossly oversized and footings would be increased by 10-15%.
  - h. Stub-ups do not align with design intent. S.Messinger to send an email advising what they have and what information they are missing. For instance, right now, they should have the June 1, 2023 60% CD Drawings to work from. G.Taylor advised there were some slight changes that shifted piers last week around June 20, 2023. She advised there were plans to add Canopies but not in the North due

		<p>to ledge as one could walk off rock wall and stand on top of canopy. 90% CD Drawings and Pricing is 4-5 weeks away.</p> <ul style="list-style-type: none"> <li>i. <b>[7/17/2023] - Need to finalize carpports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. [7/31/2023] – Coordination shows that it is more than 1600 and less than 1900. Consigli did move irrigation sleeves over 5’ as requested and at 1900kva. Maximizing panels on rooftop is the understanding. Consigli and Perkins&amp;Will advised that design has not changed in parking lot but the grade has been raised.</b></li> </ul> <p>4. <b>Ongoing Important Next Steps:</b> R.Smith brought up the next part of the construction coordination is the parking lot canopy footing installation this summer. Consigli is providing a 1-month period from July 4, 2023, to August 4, 2023, for Nexamp to install the canopy foundations in the West parking lot. G.Taylor indicated they have 2 months on their schedule for foundation installation. G.Taylor to confirm if the 2 months includes the East parking lot because that is in the Construction area and not under the same time constraints. G.Taylor to get back with the team.</p> <ul style="list-style-type: none"> <li>a. Ongoing: Nexamp is finalizing design for footing/foundation information. Nexamp was asked by Perkins&amp;Will if they had a similar project with carport design sample that they can provide as a sample to assist Perkins&amp;Will in anticipation of how size, depth and where connections for drainage might occur until Nexamp is able to provide the Parking Lot information in lieu of drawing. T. Michelman reminded G.Taylor that the POI (Point of Interconnection) is not defined in the agreement. The Point of Interconnection information needs to be provided for coordination purposes to SMMA, Perkins&amp;Will, Consigli and their subs. <b>[7/17/2023] Need to finalize carpports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. Interconnection engineering onsite. Conduit site to J.Leduc, S.Messinger, R.Smith if Parasol has any questions regarding utilities and will forward. Interconnection Team – no update since pushing forward on the study and no input on study received yet. D.Sheehan has not had access to the Eversource Study since last week on the Study Account. Carport will be sent forward by O.Brissette Culvert is 5’ and O.Brissette confirmed they should be ok. Perkins&amp;Will had culvert in different spot on topo? Survey file from Nitsch requested. The file referenced x-survey file on hand. S.Messinger to call Nitsch and confirm requesting a clean file to send Nexamp with new CAD file for their use. [7/31/2023] – S.Messinger provided the new CAD file for Nexamp use.</b> <ul style="list-style-type: none"> <li>a. <b>S.Messinger asked S.Sargent what are you (Nexamp/Parasol) going to do with your soil? S. Sargent responded that Nexamp will need to coordinate where to move extra fill to address future issues.</b></li> <li>b. <b>D.Sheehan asked what will the quantity of soil be? What amount is going to be excavated? Consigli is aware but Parasol was not interested in our solution. The foundation locations and fill conditions need to be consulted before Nexamp/Parasol can respond. Nexamp was reminded that the final patch will need to be by next summer and final pave before school opens.</b></li> </ul> </li> </ul>
54.2	<b>G.Taylor / M.Frigo / Nexamp/ Parasol</b>	<p><b>Nexamp Coordination - Photovoltaics</b></p> <ul style="list-style-type: none"> <li>1. More detail is needed from Nexamp regarding why they have not put panels in specific areas on the roof and have in other areas. Responses of shading, wind analysis, cost tradeoffs of why they were not put across the roof were not provided. Engineers i.e. K.Shukis and O.Brissette will need to provide more detail.       <ul style="list-style-type: none"> <li>a. G.Taylor advised Nexamp’s expertise as they have stated previously is placing panels in existing buildings. This building is not existing building, it is a new building and it is essential that we are not going to be marring what has been implemented for a new building by installing conduit haphazard. SMMA and Perkins&amp;Will have asked again for a meeting with Nexamp’s designers engineering the PV panels and canopies for coordination purposes. SMMA and</li> </ul> </li> </ul>

S.Sargent/  
L.Kamguia  
Nexamp

- Perkins&Will advised Nexamp that they want to have a meeting with PanelClaw and Parasol to iron out issues and expedite coordination without having a barrier of communication.
- G.Taylor advised that Nexamp’s team is hesitant to meet with the larger group of SMMA and Perkins&Will.
- b. M.Frigo is going to follow up and see what he can do to coordinate a meeting of some kind. J.Leduc advised that the meeting would be herself, D.Sheehan from the Town, P.Cunningham and/or S.Messinger of Perkins&Will. P.Cunningham advised that Perkins&Will can test the aesthetics by testing wall cavity exposure. G.Taylor was asked if she had been able to take the 4 plans she provided and overlay them into 1 plan so that the systems could be coordinated correctly aligning. G.Taylor advised not yet and she would have it as 1 plan view soon.
2. **Conduits:** G.Taylor sent snippet via email of rooftop layout of solar panels and R.Smith requested an actual drawing with more information regarding conduits, detail, etc. as the image was difficult to see and insufficient to provide information to work with to move forward.
- a. Nexamp advised by S.Messenger this is a critical item and need definition on how conduits will get from A to B. How much conduit needs to go from A to be and be coordinated within this zone needs to be carefully coordinated due to the wood ceiling below. Inverters and panelboards and conduit through walls need to be coordinated.
    - **[7/31/2023] - S.Sargent to connect to check on the coordination of conduit as it seems to be 99% there – expected to be final in the next few weeks. L.Kamguia to synthesize the conduits.**
3. **Fasteners:** Nexamp needs to provide information about fasteners referenced and requested by S.Messinger based on their Designer’s diagrams because they are what is preventing the wind uplift. There are notations about the fasteners but no specificity and this is much needed information as their designs are on different lefts and attaching to the deck and roof needs to be specified appropriately to ensure that there will be no problems. There will be a leak detection system that is in place for strategic design and constructability. Unforeseen penetrations should not happen if planned correctly.
- a. J.Leduc advised that the roof metal decking is going down and SMMA, Consigli and Perkins&Will teams need to know if there is sufficient metal plate area provided for ballasts and to have penetrations fastened to for the panels.
  - b. M.Frigo and G.Taylor when asked during this project about examples of prior layouts that could be used as examples, SMMA, Perkins&Will and Consigli have been repeatedly told Nexamp is not installing panels and canopies on new project sites and buildings but on those that are existing. However, if this is the case and there are no metal plates on the building structure underneath the roofing membrane, what is Nexamp doing to attach the panels securely on the roof? Wouldn’t you need to have a metal plate that is as big as if not larger than the panel that is being placed on the roof underneath so that it can be adhered securely? J.Leduc further asked what happens to the roof when you do not have a metal plate on the roof? G.Taylor and M.Frigo advised that it depends on the building, the application and provided no further explanation.
4. **Roof Warranty:** J.Leduc advised Nexamp that the Town, SMMA, Perkins&Will and Consigli are working together to coordinate as many of the details as possible ahead of the actual installation to avoid the potential of voiding the roof warranty or worse yet damaging the roof resulting in interior damage to the new school.
- a. The project will have Greenwood warranty the roof and a roof scan will be performed before any photovoltaic panels are installed by Nexamp through their designers PanelClaw and Parasol.
  - b. Any work performed on the roof will need to be done by certified solar installers. R.Smith advised that Nexamp will need to hire the services of a roofing manufacturer approved roofing company to perform a presurvey and post survey inspection. It would be in the best interest of the project if they hired the same roofing company Greenwood who is installing the new roof. Nexamp will be responsible for the roofing warranty associated with PV penetrations.
  - c. M.Frigo agreed that the roofing warranty is something that should be addressed. It is essential that this be done correctly the first time as we only get one chance

G.Taylor/  
M.Frigo/  
Nexamp

- to do it right as there is no do over when it comes to the damage that can be sustained if the roofing fails due to penetrations puncturing roof membrane.
5. **Panel Size / Wattage / Maximizing Panel Design Per Agreement:** Town is waiting for Nexamp to advise on the number of roof penetrations. G.Taylor advised current design is with a larger panel design and may have more penetrations.
    - a. P.Cunningham addressed this change to get assurance the metrics and output will be for Stoneham to meet its goals.
    - b. Nexamp was asked to provide detailed design layout, panel size, wattage, and metrics showing the panel design per agreement and the current design with its layout, panel size, wattage, and metrics.
      - 540 Watt panel per agreement replaced with 580 Watt panel in current design
    - c. S.Messinger asked if the Town received the metrics and output information. R.Smith and D.Sheehan advised the metrics and output information had not been provided yet. Energy generation has not been provided by Nexamp based on design for PanelClaw has an ETA of 1-2 weeks before their release of the 90% CDs. All utilities and site prep will be final at that time so we will not need to amend.
    - d. **Interconnection:** Late Q3/Q4 Eversource interconnection then Commissioning next summer would need to be done before the end of Fall/Winter construction. Electrical Transformer to Eversource point to connect. The School Department wants more details of what is involved for noise, activity, conduit connection and disruption of service during said periods of construction as school will be in session. Nexamp advised that Eversource's list of tasks would need to be provided for the project and coordinated as needed for expediting purposes as much as possible within ongoing activities.
    - e. Ongoing: S.Messinger walked through the Excel document outlining battery life, output, and inquired when the next update will occur to the metrics based on the layout that was provided in the sets received last week. G.Taylor mentioned that it will be updated for the 90% CD set that is forthcoming. It was also explained that the battery life will remain 2 hours, as they are oversized and it removes the need for full replacements in 11 years as previously specified.
    - f. **[7/17/2023] The energy numbers need to get closer to the targeted amount as originally agreed upon in the Contract and should be meeting closer to 16/30. The CD energy model numbers should be the target and should be validated by Thornton Tomasetti's sports lighting as Thornton Tomasetti is the scorekeeper. The secondary would be the higher of the two numbers. S.Messinger advised that it should be more like 16/40 in the main building plus the entire stadium building and that doesn't include the sports lighting. There needs to be some cushion i.e. 10% built in to allow for technology changes, plug loads, end user habits, air leakage to allow to meet the 16/40 and have enough flexibility to allow for any degradation that make occur over time of the panels (100 or higher). L.Kamguia advised Nexamp to proceed with 16/40 and 16/30. Need to finalize carpports and roof.**
  6. **Maximizing Roof Design Layout for District ROI Benefit:** G.Taylor indicated that Nexamp is currently working on a relocation plan to maximize the panels on the space on the main roof and to relocate panels from auditorium low roof while trying to keep the penetrations down to a minimum. Additional panels and penetrations on roof based on conversations with A.Kondiles and G.Taylor are 500 down to 80 to maximize. Would it change the cost of energy being delivered? Not encroaching on the mechanical units and maintenance of these units on the roof. Racking redesign is being done to coordinate for how many additional penetrations to be made. Nexamp is awaiting that number to quantify final panel layout. Town needs to know the financial benefit of adding more panels to the roof of their building and what the value is in it for the Town to max out the condition. S.Messinger asked if these metrics were provided yet and R.Smith, D.Sheehan and T.Michelman confirmed the data is still outstanding. Nexamp is awaiting that number to quantify final panel layout. Town needs to know the financial benefit of adding more panels to the roof of their building and what the value is in it for the Town to max out the condition. S.Messinger asked if these metrics were provided yet and R. Smith, D.Sheehan



54.6	S. McPhee	<p><b>EV Charging Stations</b></p> <ol style="list-style-type: none"> <li>1. R.Smith indicated there was a kick-off meeting with the Town, Susan McPhee, SMMA and Christopher Andrade of Eversource to coordinate the EV requirements for Eversource and the project.</li> <li>2. The Town was approved for the “Make Ready” funding which is for the design and installation of the underground conduits from the transclosure cabinet at the South end of the site to the charging stations in the Northeast parking lot.             <ul style="list-style-type: none"> <li>• Coordination Meetings continue with Christopher Andrade of Eversource. Ongoing. Finalizing design with regards to being ok with the ADA accessible spot. There are 9 due to ADA Accessible Act. 5 Alternate dual head add 6<sup>th</sup> single head. Pricing for whole scenario with 6<sup>th</sup> conduits home run conduits – not significant costs – do not want to spend this money. Conduit runs are paid for Make Ready and Support for chargers. School Superintendent Ljungberg and School Principal Lombardi need to define use of spaces on the site. Follow up needs to be done with David Ljungberg and Bryan Lombardi. It is important to have as many chargers as possible. Ice Arena photos ADA/EV requirements + Code EV and ADA and ADA Requirements may get a little sticky/complicated. 1 Additional single head charging and/or 2 additional single head chargers. ADA – Make Ready – 5 Dual Head Chargers is standard plus ADA + EV Requirements? Need to go through formal process and comply so it is funded. May need additional conduits due to Code updates.</li> </ul> </li> </ol>
54.7	Record	<p><b>Eversource Energy Efficiency Program</b></p> <p>R Smith indicated that Eversource is still reviewing the final energy model and (MRD) Minimum Required Documents and the Back of the House Study done by Thornton Tomasetti. Eversource finalized and work will start to go in. R.Smith will see where the application stands and update on its status right now. Studies will run concurrently and conclude by July 12, 2023 with the latest feedback. The Impact Study results will be back July 12, 2023. Once completed they will send the application to the Town and copy SMMA on the email. They could not provide a time frame on when they would be complete. R.Smith indicated no updated from Eversource. Eversource will email Town when application is ready. R.Smith indicated the Town has signed the application and returned the applications back to Eversource on May 25, 2023. Ongoing. Eversource Study should be done by the middle of July 2023 as the interconnecting utility is usually a specified number of days per G.Taylor. G.Taylor will advise what the number of days the Eversource Study is prescribed to be. J.Leduc asked M.Frigo to send to her the Eversource contact info for the point of contact for the study.</p>
54.8	<p>Nexamp</p> <p>Nexamp</p> <p>Record</p> <p>Record</p>	<p><b>Upcoming Milestone Information</b></p> <ul style="list-style-type: none"> <li>• The next layout of the smaller layout from the July 11, 2023 meeting with a 2-week turnaround is July 26, 2023 at the latest in progress in parallel mounting mechanism onto roof to ensure water tight and pose leakage risk. Draft or close to final by July 26, 2023. L.Kamguia will have a draft of these documents on July 26, 2023. <b>[7/31/2023] – Roof elements are good enough for pricing carport parallel options. Expect final design options this week. Awaiting follow up with Engineer Francois at Parasol as the carport is to be finalized today or tomorrow.</b></li> </ul> <p><b>Wind Load Study by PanelClaw</b></p> <ul style="list-style-type: none"> <li>• Information arrived from PanelClaw. Ballast and half (1/2) ballast system</li> <li>• Provide data question from where wind load is coming</li> <li>• Wind Loads for dipping on energy load and certain locations and number of penetrations on roof – wind load data and how used and will follow up with information.</li> <li>• <b>[7/31/2023] – Explanation was provided to J.Leduc regarding how wind loads were calculated and continue to be calculated for position and placement of solar panels on roof.</b></li> </ul> <p><b>Nexamp Team Contact Information</b></p> <ul style="list-style-type: none"> <li>• M.Frigo to provide to the Town, SMMA, Perkins&amp;Will and Consigli teams the contact and team role information for those engineers and executives on the call for best coordination and communication moving forward.</li> <li>• <b>[7/31/2023] – M.Frigo sent email with updated parties contact information with Nexamp team communication parties for ongoing communication for project.</b></li> </ul>

Project: New Stoneham High School

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	<b>D.Sheehan/ M.Frigo</b>	<b>Eversource Interconnection Source</b> <ul style="list-style-type: none"><li>D.Sheehan will work on and poke Eversource to push them on this project as advocate. <b>[7/31/2023] – D.Sheehan to follow up with Eversource again to check on the status of the Interconnection Study. M.Frigo advised he will also follow up with Eversource from his side as well.</b></li></ul>
54.9	<b>Record</b>	Next <b>Green Building Initiatives Meeting:</b> <b>Monday, August 14, 2023 at 10:00am, remote.</b>

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

## Project Minutes

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

Project No.: 20033  
 Meeting Date: 8/14/2023  
 Time: 10:00am  
 Meeting No: 55

## Attendees:

PRESENT	NAME	AFFILIATION
	Marie Christie	Co-Chair, School Building Committee
	David Bois	Co-Chair, School Building Committee
	Raymie Parker	Select Board
✓	Dennis Sheehan	Town Administrator
✓	April Lanni	Town Procurement Officer / MCPPO Certified
	David Ljungberg	Superintendent of Schools
✓	Brian McNeil	Facilities Director
✓	Erin Wortman	Director, Planning and Community Development
	Susan McPhee	Energy Conservation Coordinator
	Olivia Brissette	Nexamp
✓	Ariel Kondiles	Nexamp
✓	Kelsey Shukis	Nexamp
	Mark Frigo	Nexamp
	Chris Perron	Nexamp
✓	Dee Watson	Nexamp
	Stephen Petrarca	Nexamp
✓	Jennifer Dukett	Nexamp
✓	Scott Sargent	Nexamp
	Lumumba Kamguia	Nexamp
	Kevin Loiselle	Nexamp
✓	Grace Taylor	Nexamp
	Brooke Trivas	Perkins and Will
✓	Patrick Cunningham	Perkins and Will
✓	Stephen Messinger	Perkins and Will
✓	Ryan Flynn	BALA
	Steve Burke	Consigli
✓	Tom Michelman	SEA
	Robert Smith	SMMA
✓	Julie Leduc	SMMA
✓	Sarah Traniello	SMMA

Item #	Action	Discussion
55.1	<b>M.Frigo / D. Sheehan</b>	<p><b>Photovoltaic System - Agreements</b></p> <ol style="list-style-type: none"> <li>1. Draft SESS Agreement, Pilot Agreement and Lease Agreement:               <ol style="list-style-type: none"> <li>a. Nexamp sent back the SESS Agreement on April 19, 2023 and now all (3) documents: the Lease, Pilot Agreement and SESS Agreement are all with the Town Counsel, Attorney B.Galvin. D.Sheehan will follow up on its status with A. Lanni                   <ul style="list-style-type: none"> <li>• All documents are with Town attorneys for review/ approval. Ongoing: Contract is expected to be executed within the week.</li> <li>• [7/17/2023] – Ongoing. Attorney has returned from vacation. Final pricing needs to come in to finalize the Contract.</li> <li>• <b>[7/31/2023] – D.Sheehan advised that he is waiting on pricing from Nexamp before finalizing the Contract.</b></li> <li>• <b>[8/14/2023] – Able to finalize Contract. D.Sheehan has no concerns. M.Frigo needs final design from Parasol. K.Shukis to update.</b></li> </ul> </li> <li>b. Nexamp is anticipating cost estimates by end of this week, pricing next week. After pricing is received, a meeting with the Town will be set to review the pricing package.                   <ul style="list-style-type: none"> <li>• There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol’s design and costs and PanelClaw’s design and costs.</li> <li>• Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw’s costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.</li> </ul> </li> <li>c. M.Frigo stated the permit is being finalized and expects to talk with Town Counsel and the Building Inspector, C.Noble, prior to submitting permit. Ongoing: Per M.Frigo email during week of June 20, 2023, the design would not be complete for 5 weeks at which time pricing would need to be provided in order to proceed with the Contract once agreed upon                   <ul style="list-style-type: none"> <li>• <b>Cost estimating will be performed. Vague date and email with estimated date. Hoping for within 10 days.</b></li> <li>• <b>[7/31/2023] – M.Frigo still has Permitting question with the Building Inspector, Cheryl Noble – Status: Pending.</b></li> </ul> </li> </ol> </li> </ol>
55.2	<b>G.Taylor / M.Frigo / S.Messinger</b>	<p><b>Nexamp Coordination - Canopies</b></p> <ol style="list-style-type: none"> <li>1. Nexamp confirmed all information has been received for the canopies.               <ol style="list-style-type: none"> <li>a. S.Messinger indicated it is a very important time in the project and all of the PV information, the roof especially, needs to be coordinated. G.Taylor provided 60% CD design documents late last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.</li> </ol> </li> <li>2. <b>Canopy Foundation Design and Lightning Protection:</b> R.Smith sent over questions to G.Taylor regarding coordination of Canopy Foundations for drainage connections and connecting the school Lightning Protection System for roof top solar panels.               <ol style="list-style-type: none"> <li>a. G.Taylor advised that the Engineering Team is looking into Lightning Protection for the panels. G.Taylor was asked about an update on the drainage question from previous meeting. G.Taylor advised drain locations were advised last fall.                   <ul style="list-style-type: none"> <li>• S.Messinger reminded that Perkins&amp;Will designed the New Stoneham High School building to have lightning protection built into the structure where it will take the electricity from a strike and channel it properly into the ground safely. S.Messinger advocated that Nexamp provide details with relation to the lightning protection for the canopies and the photovoltaic racks on the roof so that it can be coordinated to either connect with their lightning protection system or have its own independent of the building structure. Nexamp to advise.</li> </ul> </li> </ol> </li> </ol>

- M.Frigo will advise whether Nexamp's Photovoltaic Panels and Canopies have their own lightning protection system, will need to be certified separately, or if they will be tied into the high school building structure's lightning protection system. S.Messinger advised that Perkins&Will needs to know so that it can be coordinated. M.Frigo advised Nexamp can connect to the building structure and hopefully save making additional penetrations.
- M.Frigo advised that the canopies lightning protection needs to be planned and coordinated. Details to follow.
- Update: Lightning Protection Design, as well as panelboards, inverters, etc., will be incorporated in the 90% CD design Nexamp said they would be providing, ideally, by the end of this week. S.Messinger stressed the criticality of coordination of these items once the 90% CD set is provided. M.Frigo asked G.Taylor if Lightning Protection was incorporated. G.Taylor advised she will follow up with Engineering. **S. Sargent to follow up with Engineer Francois of Parasol.**

3. **Foundation and Footings Design:** G.Taylor advised that their Designer, Parasol, has met with the Geotechnical Engineer and is working on the foundation design. J.Leduc and S.Messinger asked if Parasol is pushing forward with the design to have updates to share by weeks end. SMMA and P&W will follow up with G.Taylor on Friday during the Coordination Meeting. G.Taylor will get dates from them.

- a. G.Taylor provided 60% CD design documents last week and PV Racking Set drawings on Saturday, June 3, 2023 from PanelClaw.
- b. Update was provided late prior week that Nexamp may not be able to get in and do footings or foundations this summer. Carports work was due to start on June 14, 2023 but it is uncertain to be starting as planned.
- c. There needs to be a Purchase Order(s) initiated to do the work based on the SESSA that would include the Parasol's design and costs and PanelClaw's design and costs.
- d. Nexamp needs to get the final costs from Parasol for the canopies and PanelClaw's costs for the roof photovoltaics. All of these need to be in place to go forward. Currently, PanelClaw is finalizing the rooftop design and need to get the costs based on the new layout.
- e. PanelClaw's Basis of Design is needed together with their cost estimate to be finalized in order to provide the interconnection cost which will be a bogey so that we can get the immediate work done.
- f. Status: Ongoing. M.Frigo of Nexamp reiterated it was extremely unlikely Nexamp/Parasol are able to get the foundations for the canopies installed prior to the August 5, 2023 deadline as M.Frigo is unsure how long it will take for Parasol to get mobilized once the contracts are signed to begin the work. Window for performing the work is July 5, 2023 to August 5, 2023 to fit the schedule. In the event Parasol is unable to mobilize in time, SMMA stated that conversations were had with Consigli that their excavator subcontractor, Marois, is on site and able to do the footing/foundation work if Parasol will allow it. Financials would need to be figured out amongst all parties. M.Frigo stated he would need to speak with Parasol and will provide a response by the end of this week.
- g. Status: Ongoing. J.Leduc asked when will we have footings? *M.Frigo has advised there will be no foundations this summer.* S.Messinger, R.Smith J.Leduc advised M.Frigo and G.Taylor that drainage and electrical and tapping off from footing will need to occur this summer. G.Taylor advised that the canopy designs are not finalized and there are 2 canopy locations that they are looking at placement. G.Taylor advised that the other canopy location has geotechnical issues that arise with ledge. Drainage on west parking lot and in East parking lot would either be minimal or grossly oversized and footings would be increased by 10-15%.
- h. Stub-ups do not align with design intent. S.Messinger to send an email advising what they have and what information they are missing. For instance, right now,

they should have the June 1, 2023 60% CD Drawings to work from. G.Taylor advised there were some slight changes that shifted piers last week around June 20, 2023. She advised there were plans to add Canopies but not in the North due to ledge as one could walk off rock wall and stand on top of canopy. 90% CD Drawings and Pricing is 4-5 weeks away.

- i. **[7/17/2023] - Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. [7/31/2023] – Coordination shows that it is more than 1600 and less than 1900. Consigli did move irrigation sleeves over 5' as requested and at 1900kva. Maximizing panels on rooftop is the understanding. Consigli and Perkins&Will advised that design has not changed in parking lot but the grade has been raised.**
4. **Ongoing Important Next Steps:** R.Smith brought up the next part of the construction coordination is the parking lot canopy footing installation this summer. Consigli is providing a 1-month period from July 4, 2023, to August 4, 2023, for Nexamp to install the canopy foundations in the West parking lot. G.Taylor indicated they have 2 months on their schedule for foundation installation. G.Taylor to confirm if the 2 months includes the East parking lot because that is in the Construction area and not under the same time constraints. G.Taylor to get back with the team.
  - a. Ongoing: Nexamp is finalizing design for footing/foundation information. Nexamp was asked by Perkins&Will if they had a similar project with carport design sample that they can provide as a sample to assist Perkins&Will in anticipation of how size, depth and where connections for drainage might occur until Nexamp is able to provide the Parking Lot information in lieu of drawing. T. Michelman reminded G.Taylor that the POI (Point of Interconnection) is not defined in the agreement. The Point of Interconnection information needs to be provided for coordination purposes to SMMA, Perkins&Will, Consigli and their subs. [7/17/2023] Need to finalize carports and roof. Thornton Tomasetti email from S.Messinger to follow. Nexamp sends forward questions to finalize design. Emails from O.Brissette Friday regarding parking lot. Interconnection engineering onsite. Conduit site to J.Leduc, S.Messinger, R.Smith if Parasol has any questions regarding utilities and will forward. Interconnection Team – no update since pushing forward on the study and no input on study received yet. D.Sheehan has not had access to the Eversource Study since last week on the Study Account. Carport will be sent forward by O.Brissette Culvert is 5' and O.Brissette confirmed they should be ok. Perkins&Will had culvert in different spot on topo? Survey file from Nitsch requested. The file referenced x-survey file on hand. S.Messinger to call Nitsch and confirm requesting a clean file to send Nexamp with new CAD file for their use. [7/31/2023] – S.Messinger provided the new CAD file for Nexamp use.
    - a. **S.Messinger asked S.Sargent what are you (Nexamp/Parasol) going to do with your soil? S. Sargent responded that Nexamp will need to coordinate where to move extra fill to address future issues.**
    - b. **D.Sheehan asked what will the quantity of soil be? What amount is going to be excavated? Consigli is aware but Parasol was not interested in our solution. The foundation locations and fill conditions need to be consulted before Nexamp/Parasol can respond. Nexamp was reminded that the final patch will need to be by next summer and final pave before school opens.**
    - c. **[8/14/2023] Nexamp advised that Parasol must be 10' off property line – Needs to be confirmed. Awaiting responses from Weston Sampson – no response from Stephanie Bridges of Weston Sampson. M.Frigo will follow up again. Need information in order to move forward.**
    - d. **J.Leduc shared picture showing the parking lot with the new binder down on the parking lot.**

		<p>e. <b>M.Frigo advised K.Shukis to ping and reach out to Parasol. K.Shukis should have PDF back by close of business (8/14/2023) as Designer reached back.</b></p>
55.3	<p><b>G.Taylor / M.Frigo / Nexamp/ Parasol</b></p> <p><b>S.Sargent/ L.Kamguia Nexamp</b></p>	<p><b>Nexamp Coordination - Photovoltaics</b></p> <ol style="list-style-type: none"> <li>1. More detail is needed from Nexamp regarding why they have not put panels in specific areas on the roof and have in other areas. Responses of shading, wind analysis, cost tradeoffs of why they were not put across the roof were not provided. Engineers i.e. K.Shukis and O.Brissette will need to provide more detail.       <ol style="list-style-type: none"> <li>a. G.Taylor advised Nexamp’s expertise as they have stated previously is placing panels in existing buildings. This building is not existing building, it is a new building and it is essential that we are not going to be marring what has been implemented for a new building by installing conduit haphazard. SMMA and Perkins&amp;Will have asked again for a meeting with Nexamp’s designers engineering the PV panels and canopies for coordination purposes. SMMA and Perkins&amp;Will advised Nexamp that they want to have a meeting with PanelClaw and Parasol to iron out issues and expedite coordination without having a barrier of communication.           <ul style="list-style-type: none"> <li>• G.Taylor advised that Nexamp’s team is hesitant to meet with the larger group of SMMA and Perkins&amp;Will.</li> </ul> </li> <li>b. M.Frigo is going to follow up and see what he can do to coordinate a meeting of some kind. J.Leduc advised that the meeting would be herself, D.Sheehan from the Town, P.Cunningham and/or S.Messinger of Perkins&amp;Will. P.Cunningham advised that Perkins&amp;Will can test the aesthetics by testing wall cavity exposure. G.Taylor was asked if she had been able to take the 4 plans she provided and overlay them into 1 plan so that the systems could be coordinated correctly aligning. G.Taylor advised not yet and she would have it as 1 plan view soon.</li> </ol> </li> <li>2. <b>Conduits:</b> G.Taylor sent snippet via email of rooftop layout of solar panels and R.Smith requested an actual drawing with more information regarding conduits, detail, etc. as the image was difficult to see and insufficient to provide information to work with to move forward.       <ol style="list-style-type: none"> <li>a. Nexamp advised by S.Messenger this is a critical item and need definition on how conduits will get from A to B. How much conduit needs to go from A to be and be coordinated within this zone needs to be carefully coordinated due to the wood ceiling below. Inverters and panelboards and conduit through walls need to be coordinated.           <ul style="list-style-type: none"> <li>• <b>[7/31/2023] - S.Sargent to connect to check on the coordination of conduit as it seems to be 99% there – expected to be final in the next few weeks. L.Kamguia to synthesize the conduits.</b></li> </ul> </li> </ol> </li> <li>3. <b>Fasteners:</b> Nexamp needs to provide information about fasteners referenced and requested by S.Messinger based on their Designer’s diagrams because they are what is preventing the wind uplift. There are notations about the fasteners but no specificity and this is much needed information as their designs are on different lefts and attaching to the deck and roof needs to be specified appropriately to ensure that there will be no problems. There will be a leak detection system that is in place for strategic design and constructability. Unforeseen penetrations should not happen if planned correctly.       <ol style="list-style-type: none"> <li>a. J.Leduc advised that the roof metal decking is going down and SMMA, Consigli and Perkins&amp;Will teams need to know if there is sufficient metal plate area provided for ballasts and to have penetrations fastened to for the panels.</li> <li>b. M.Frigo and G.Taylor when asked during this project about examples of prior layouts that could be used as examples, SMMA, Perkins&amp;Will and Consigli have been repeatedly told Nexamp is not installing panels and canopies on new project sites and buildings but on those that are existing. However, if this is the case and there are no metal plates on the building structure underneath the roofing membrane, what is Nexamp doing to attach the panels securely on the roof? Wouldn’t you need to have a metal plate that is as big as if not larger than the panel that is being placed on the roof underneath so that it can be adhered securely? J.Leduc further asked what happens to the roof when you do not have a metal plate on the roof? G.Taylor and M.Frigo advised that it depends on the building, the application and provided no further explanation.</li> </ol> </li> </ol>

G.Taylor/  
M.Frigo/  
Nexamp

4. **Roof Warranty:** J.Leduc advised Nexamp that the Town, SMMA, Perkins&Will and Consigli are working together to coordinate as many of the details as possible ahead of the actual installation to avoid the potential of voiding the roof warranty or worse yet damaging the roof resulting in interior damage to the new school.
  - a. The project will have Greenwood warranty the roof and a roof scan will be performed before any photovoltaic panels are installed by Nexamp through their designers PanelClaw and Parasol.
  - b. Any work performed on the roof will need to be done by certified solar installers. R.Smith advised that Nexamp will need to hire the services of a roofing manufacturer approved roofing company to perform a presurvey and post survey inspection. It would be in the best interest of the project if they hired the same roofing company Greenwood who is installing the new roof. Nexamp will be responsible for the roofing warranty associated with PV penetrations.
  - c. M.Frigo agreed that the roofing warranty is something that should be addressed. It is essential that this be done correctly the first time as we only get one chance to do it right as there is no do over when it comes to the damage that can be sustained if the roofing fails due to penetrations puncturing roof membrane.
5. **Panel Size / Wattage / Maximizing Panel Design Per Agreement:** Town is waiting for Nexamp to advise on the number of roof penetrations. G.Taylor advised current design is with a larger panel design and may have more penetrations.
  - a. P.Cunningham addressed this change to get assurance the metrics and output will be for Stoneham to meet its goals.
  - b. Nexamp was asked to provide detailed design layout, panel size, wattage, and metrics showing the panel design per agreement and the current design with its layout, panel size, wattage, and metrics.
    - 540 Watt panel per agreement replaced with 580 Watt panel in current design
  - c. S.Messinger asked if the Town received the metrics and output information. R.Smith and D.Sheehan advised the metrics and output information had not been provided yet. Energy generation has not been provided by Nexamp based on design for PanelClaw has an ETA of 1-2 weeks before their release of the 90% CDs. All utilities and site prep will be final at that time so we will not need to amend.
  - d. **Interconnection:** Late Q3/Q4 Eversource interconnection then Commissioning next summer would need to be done before the end of Fall/Winter construction. Electrical Transformer to Eversource point to connect. The School Department wants more details of what is involved for noise, activity, conduit connection and disruption of service during said periods of construction as school will be in session. Nexamp advised that Eversource's list of tasks would need to be provided for the project and coordinated as needed for expediting purposes as much as possible within ongoing activities.
  - e. Ongoing: S.Messinger walked through the Excel document outlining battery life, output, and inquired when the next update will occur to the metrics based on the layout that was provided in the sets received last week. G.Taylor mentioned that it will be updated for the 90% CD set that is forthcoming. It was also explained that the battery life will remain 2 hours, as they are oversized and it removes the need for full replacements in 11 years as previously specified.
  - f. **[7/17/2023] The energy numbers need to get closer to the targeted amount as originally agreed upon in the Contract and should be meeting closer to 16/30. The CD energy model numbers should be the target and should be validated by Thornton Tomasetti's sports lighting as Thornton Tomasetti is the scorekeeper. The secondary would be the higher of the two numbers. S.Messinger advised that it should be more like 16/40 in the main building plus the entire stadium building and that doesn't include the sports lighting. There needs to be some cushion i.e. 10% built in to allow for technology changes, plug loads, end user habits, air leakage to allow to meet the 16/40 and have enough flexibility to allow for any degradation that make occur over time of the panels (100 or higher). L.Kamguia advised Nexamp to proceed with 16/40 and 16/30. Need to finalize carports and roof.**



55.5	A. Lanni	<p><b>Prevailing Wages</b></p> <ol style="list-style-type: none"> <li>1. A. Lanni will provide wage rates from DLS in Spring 2023 once Nexamp’s construction start is confirmed. To be discussed at the Construction Coordination Meeting on Friday. <b>(Ongoing).</b></li> </ol>
55.6	J. Dukett/ M.Frigo	<p><b>Updated Request for Pricing</b> Nexamp will update pricing when information is available.</p> <ul style="list-style-type: none"> <li>• <b>Pricing based on Parasol and PanelClaw’s Design Packages needs to be provided once the SESSA is in place. Nexamp will provide pricing which will then need to be submitted for approval.</b></li> </ul>
55.7	S. McPhee	<p><b>EV Charging Stations</b></p> <ol style="list-style-type: none"> <li>1. R.Smith indicated there was a kick-off meeting with the Town, Susan McPhee, SMMA and Christopher Andrade of Eversource to coordinate the EV requirements for Eversource and the project.</li> <li>2. The Town was approved for the “Make Ready” funding which is for the design and installation of the underground conduits from the transclosure cabinet at the South end of the site to the charging stations in the Northeast parking lot. <ul style="list-style-type: none"> <li>• Coordination Meetings continue with Christopher Andrade of Eversource. Ongoing. Finalizing design with regards to being ok with the ADA accessible spot. There are 9 due to ADA Accessible Act. 5 Alternate dual head add 6<sup>th</sup> single head. Pricing for whole scenario with 6<sup>th</sup> conduits home run conduits – not significant costs – do not want to spend this money. Conduit runs are paid for Make Ready and Support for chargers. School Superintendent Ljungberg and School Principal Lombardi need to define use of spaces on the site. Follow up needs to be done with David Ljungberg and Bryan Lombardi. It is important to have as many chargers as possible. Ice Arena photos ADA/EV requirements + Code EV and ADA and ADA Requirements may get a little sticky/complicated. 1 Additional single head charging and/or 2 additional single head chargers. ADA – Make Ready – 5 Dual Head Chargers is standard plus ADA + EV Requirements? Need to go through formal process and comply so it is funded. May need additional conduits due to Code updates.</li> <li>• <b>[8/14/2023] – D.Sheehan asked about the cost for installation of the pad. R.Smith will be there to do the EV Charging Station call. D.Sheehan advised we will need to bring to the SBC. S. Messinger received copy for end of this week meeting. Interim costs need to be discussed. Agree with change requests of who is paying for what is confirmed as correct. Design Team confirming accurate charges.</b></li> <li>• <b>A.MacNeil will be counting bollards and will be present on Thursday’s meeting to learn who is reimbursed and for what.</b></li> <li>• <b>J.Leduc advised that usually the cost is \$10k per bollard and count will be needed to know specifically how many are needed and what the cost will be.</b></li> </ul> </li> </ol>
55.8	D.Sheehan/ M.Frigo	<p><b>Eversource Energy Efficiency Program</b></p> <p>R Smith indicated that Eversource is still reviewing the final energy model and (MRD) Minimum Required Documents and the Back of the House Study done by Thornton Tomasetti. Eversource finalized and work will start to go in. R.Smith will see where the application stands and update on its status right now. Studies will run concurrently and conclude by July 12, 2023 with the latest feedback. The Impact Study results will be back July 12, 2023. Once completed they will send the application to the Town and copy SMMA on the email. They could not provide a time frame on when they would be complete. R.Smith indicated no updated from Eversource. Eversource will email Town when application is ready. R.Smith indicated the Town has signed the application and returned the applications back to Eversource on May 25, 2023. Ongoing. Eversource Study should be done by the middle of July 2023 as the interconnecting utility is usually a specified number of days per G.Taylor. G.Taylor will advise what the number of days the Eversource Study is prescribed to be. J.Leduc asked M.Frigo to send to her the Eversource contact info for the point of contact for the study.</p> <ul style="list-style-type: none"> <li>• <b>[8/14/2023] – Follow up emails have been sent. D. Sheehan to follow up with Eversource representatives to get answer on the status of the study.</b></li> </ul>

55.9	<p>Nexamp</p> <p>Nexamp</p> <p>Nexamp</p> <p>Record</p> <p>D.Sheehan/ M.Frigo</p>	<p><b>Upcoming Milestone Information</b></p> <ul style="list-style-type: none"> <li>• <b>[8/14/2023] - Metal Strips:</b> S.Messinger advised that it worked out sort of but cannot guarantee anchor points are where they need to go but need to get them spot on so it is 2" in either direction and guarantee solar panels will be fastened to them at those locations.             <ul style="list-style-type: none"> <li>○ <b>Master CAD file from March</b> was being used from the 100% instead of the latest and panels need to be confirmed on the grid lines provided in the latest version provided by Perkins&amp;Will. G.Taylor providing update from O.Brissette. S.Messinger to get sketch together by end of day today (August 14, 2023 or tomorrow, August 15, 2023 as promised). Diagram needs to be confirmed with underlay grid. K.Shukis to check if other than O.Brissette can do while O.Brissette is out of the office. Awaiting K.Shukis response.</li> </ul> </li> <li>• The next layout of the smaller layout from the July 11, 2023 meeting with a 2-week turnaround is July 26, 2023 at the latest in progress in parallel mounting mechanism onto roof to ensure water tight and pose leakage risk. Draft or close to final by July 26, 2023. L.Kamguia will have a draft of these documents on July 26, 2023. <b>[7/31/2023] – Roof elements are good enough for pricing carport parallel options. Expect final design options this week. Awaiting follow up with Engineer Francois at Parasol as the carport is to be finalized today or tomorrow.</b></li> </ul> <p><b>Wind Load Study by PanelClaw</b></p> <ul style="list-style-type: none"> <li>• Information arrived from PanelClaw. Ballast and half (1/2) ballast system</li> <li>• Provide data question from where wind load is coming</li> <li>• Wind Loads for dipping on energy load and certain locations and number of penetrations on roof – wind load data and how used and will follow up with information.</li> <li>• <b>[7/31/2023] – Explanation was provided to J.Leduc regarding how wind loads were calculated and continue to be calculated for position and placement of solar panels on roof.</b></li> </ul> <p><b>Eversource Interconnection Source</b></p> <ul style="list-style-type: none"> <li>• D.Sheehan will work on and poke Eversource to push them on this project as advocate. <b>[7/31/2023] – D.Sheehan to follow up with Eversource again to check on the status of the Interconnection Study. M.Frigo advised he will also follow up with Eversource from his side as well. [8/14/2023] – D.Sheehan advised that Eversource is making the power connection in the street and will be double checking to confirm if it happened or not.</b></li> </ul>
55.10	Record	<p><b>Next Green Building Initiatives Meeting:</b> <i>Monday, August 28, 2023 at 10:00am, remote.</i></p>

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

# SHS senior Timur Gray interns with new high school building project team

The Stoneham School Building Committee received the following article from Timur Gray, a rising Senior at Stoneham High School, following his completion of several weeks of interning at the SHS new building site. Project Manager Julie LeDuc of SMMA spoke glowingly of Timur's time spent with the team and on the impression he made on those with whom he came in contact. The Committee is excited to share this letter with our community and is proud of this amazing student:

"My name is Timur Gray, and I am a senior at Stoneham High School. I do swim, cast and crew for theater, founded our school photography club, and help Stoneham TV in my free time.

"Last spring, I began to look for an internship. I knew that I wanted to go to college for something in the construction or engineering industry, like urban planning or civil engineering, but I knew nothing about the jobs in this field. One day, I sat down with my guidance counselor and told her about my desire for an internship. She told Principal Lombardi about it, and he connected me with a representative from Consigli Construction, the company that is building the new Stoneham High School. We talked

for a bit about why I wanted the internship, and Consigli then offered me an on-site interview. The interview panel consisted of members of Consigli, Perkins & Will, the project architect, and SMMA, the Owner's Project Manager. They all asked questions about myself and explained the internship to me. I was told that, although I would be working for Consigli, I would be working with all the different groups on the site. They also told me that the internship would last for six weeks and that I would learn all about the construction process and how a building was made. This is why, when I got the call from Consigli that I was accepted to be an intern, I was extremely excited.

"When I biked into the job site on my first day, I was extremely nervous. I had never been on a construction site before. As I stopped my bike outside the school and equipped my hard hat, protective glasses, and reflective vest, I had no idea what to expect. But as soon as I walked into the office, I immediately felt like a part of the team. Everyone at Consigli welcomed me with excitement and made sure I was situated for the day. As the week went on, I saw that everyone else had the same energy and kindness. Everyone gladly explained what was



STONEHAM HIGH SCHOOL SENIOR TIMUR GRAY

happening and took me on walks around the site.

"Over the following weeks, I learned about the construction process from all the groups involved. The project management side of Consigli taught me how to read and process RFI's ("request for information"), ASI's ("architect's supplemental instruction"), PR's ("proposal request"), submittals, and many other important forms of communication and documentation. I learned what

they meant, what their purpose was, as well as what to do with them when I encountered them. They also set me up with a camera and I documented the progress on site using a 360-degree camera. The entire office was extremely friendly, and everyone helped me out when I wanted to learn something new or had any issues. On the other side of Consigli, the Superintendents took me

SHS INTERN, A10



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## •Stoneham High School intern (From Page A1)

on their frequent site walks and explained the process of creating a building and what went into it, as well as explaining what each individual part of it was.

"I also spent a lot of time with SMMA, who was the Owner's Project Manager and had the job of representing the town's goals on the site. They taught me about what went into applications to the MSBA (Massachusetts School Board Authority) for grants for public schools, feasibility studies, CM at risk versus Design-Bid-Build projects, the steps of preconstruction, and many other steps. SMMA taught me about getting aspects of the building tested to make sure they're up to standard, and keeping track of the money the town is spending. They also told me about the challenges of working with the old school, including the removal of hazardous materials and making an inventory of all furniture before taking the school down. I got the privilege of helping them inventory the whole school and saw the process of then figuring

out ways to give away inventory that would not be taken to the new school. I also learned from Perkins and Will, the architects, about their job of making the building look aesthetically pleasing and ensuring the quality of the building.

"Being a part of this project helped me learn essential skills from the industry. My ability to read blueprints became significantly better through constant exposure. I also gained a much better knowledge of materials being used and the different types of jobs in construction. I also made several connections that helped me along the way, many of which I hope I will be able to see again or even work with in the future. Having this internship helped me get a huge head start with my knowledge in this field, and it made me feel a lot more confident about going into higher education.

"Everyone on site worked on making this feel like the closest experience to an actual job, and part of that environment was letting me sit in on meetings. In my six weeks, I sat in on various

meetings, such as submittal meetings, OAC (owner, architect, and contractor) meetings, Consigli team meetings, and many others. The team helped me get a better understanding of what was going on behind the scenes, and how much every little detail mattered. I also spent some time with the trades, who showed me what they did and how to do it. I talked to the carpenters, concrete workers, site workers, and many others. And I even got to go to the office of the testing agency and learned how they perform concrete and soil tests. At the end of the internship, I got to go to Consigli, SMMA, and Perkins and Will's offices to see the work they did in more depth. Perkins and Will showed how they use their sketches and renderings to solve issues that come up or explain conflicts, as well as how they make models. Consigli



STONEHAM HIGH SCHOOL SENIOR TIMUR GRAY (Left); meet with new SHS officials from members of Consigli, Perkins & Will, the project architect, and SMMA, the Owner's Project Manager during his internship.

helped me to meet a lot of like minded interns, and what some of the buildings look like after completion. At SMMA, I learned about the job of Owner's Project Managers, accounting, interior design, and everything behind the scenes of marketing. I also had the privilege of learning about

the job of civil engineers and got to look at some of their other projects. Overall, getting the perspective of all these groups gave me the full picture of what went into a building and the overall site.

"Finally, everyone set me up with an opportunity to continue being on site by letting me interview

people later in the year with Stoneham TV. The internship as a whole gave me a much clearer idea of what options I had for my future. I just want to thank everyone for this amazing opportunity, and I look forward to continuing to see and be a part of this exciting project



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Photos of what? Anything local - people, places, events, scenery - even breaking news. Published photos must include a very short description and the photographer's name and town of residence.



Email your photo snap to: [news@stonehamindependent.com](mailto:news@stonehamindependent.com)



MEMBERS OF THE SCHOOL BUILDING COMMITTEE had a tour of the new SHS project. A photograph was taken from the second floor with the new parking lot behind. In photo (l-r) are; Superintendent of Schools David Ljungberg, Committee member Cory Mashburn, Committee Co-Chair Marie Christie, Com-

mittee members Doug Gove, Steve O'Neill, Sharon Iovanni, Select Board/Committee member Raymie Parker, member Paul Ryder, School Committee/Committee member Nicole Nial, members April Lanni, Lisa Kennedy and Town Moderator/Committee member Jeanne Craigie.



Maura Healey, Governor  
Kimberley Driscoll, Lieutenant Governor  
Gina Fiandaca, Secretary & CEO  
Jonathan L. Gulliver, Highway Administrator



July 25, 2023

Erin Wortman  
Director of Planning & Community Development  
35 Central Street  
Stoneham, MA 02180  
Via email: EWortman@stoneham-ma.gov

Dear Erin Wortman:

Thank you for applying to MassDOT's Local Bottleneck Reduction Program during the Fiscal Year 2024 funding round. I am pleased to inform you that Stoneham's application for improvements at the intersection of Franklin Street with Stevens Street and Benjamin Terrace has been selected to advance to a site visit.

As detailed in the [program guidance](#), municipalities selected for a site visit will be connected directly to a MassDOT-led design consultant. This consultant team will conduct a site visit with Stoneham to inform a preliminary scope of work to be reviewed by MassDOT. MassDOT will determine whether the proposed project elements are likely to meaningfully improve bottleneck conditions, are within the scope of the program, and are likely to be accomplished within the maximum construction grant allowance of \$500,000. Please note that an award for construction is not guaranteed and will vary based on the scope of work necessary to improve the bottleneck location.

Projects that are approved to advance beyond the site visit are designed entirely by the consultant firm assigned by MassDOT at no cost to the community. After a completed design is approved by MassDOT, construction funding is provided via a reimbursement-based grant. Communities are wholly responsible for the advertisement and construction of the project, as well as any costs beyond the awarded amount. Further details on project implementation are [available online](#).

MassDOT will assign Stoneham to one of the program's onboarded design firms shortly. A member of the assigned consultant team will reach out via email to schedule the site visit in four to six weeks. The municipality must make all pertinent signal equipment available to MassDOT and its consultant during the site visit. MassDOT looks forward to working with you on this important project. Please reach out to [LocalBottleneckGrants@dot.state.ma.us](mailto:LocalBottleneckGrants@dot.state.ma.us) with any questions.

Sincerely,

Jonathan L. Gulliver  
Highway Administrator

cc: Kristen Pennucci, MassDOT Community Grants Program Administrator

# AUDITORIUM FIXED SEATING DONOR PLATES

## 3D VIEW OF STONEHAM SEATS



**OPTIONAL DONOR PLATE**

## EXAMPLE SEATS WITH DONOR PLATES



**DONOR PLATE**