

STONEHAM PUBLIC SCHOOLS

STONEHAM HIGH SCHOOL PROJECT

Owner's Project Management Services

FEBRUARY 7, 2020





DERIVATION OF LEFTFIELD

left field

NOUN

leftfield (noun)

Why the name leftfield? It wasn't solely because of our love of baseball, but rather more of an idea or a passion for thinking out of the box. We have found that sometimes, the best ideas are the ones that come out of "leftfield" and may not necessarily meet the more mainstream methods or ideologies. Our "leftfield" thinking was developed through our experiences and understanding that there is not a "one size fits all" approach to a project or a program. Every client, every project, and every challenge is unique, and as such require a unique approach to achieving a successful outcome. Because of this, we embrace our "leftfield" thinking and wanted a name that accurately described our approach and our culture.





ABOUT LEFTFIELD

- **LEFTFIELD** is a full-service Owner's Project Management Firm; having been in business for 13 years
- **LEFTFIELD**'s staff has completed over \$2 Billion in Public Construction in Massachusetts
- **LEFTFIELD**'s staff has worked with the MSBA since its inception
- **LEFTFIELD**'s staff has completed over \$1.5 Billion in MSBA K-12 projects in Massachusetts
- **LEFTFIELD** has significant experience and success managing complex construction logistics and challenging sites

SERVICES PROVIDED:

- *Owner Representation*
- *Clerk of the Works*
- *Cost Management and Reporting*
- *Construction Administration*
- *Audit Services*
- *MEP Expertise*

DEPTH OF OUR FIRM:

- *1 Principal*
- *15 Project Managers*
- *6 Clerks*
- *2 MEP Specialists*
- *1 Administrator*





PROJECT EXPERIENCE

PUBLIC CLIENTS



Massachusetts School Building Authority

Funding Affordable, Sustainable, and Efficient Schools in Partnership with Local Communities



University of Massachusetts
Building Authority

Division of Capital Asset Management and Maintenance

D • C • A • M • M



LEFTFIELD

Stoneham Public Schools
Stoneham High School





PROJECT EXPERIENCE

Current Projects – High Schools

\$176M Billerica Memorial High School, Billerica



Substantial Completion; On schedule and under Budget

\$264M BMC Durfee High School, Fall River



In Construction; Currently On Schedule and In Budget

\$375M Waltham High School, Waltham



In Design Development





PROJECT EXPERIENCE

Current Projects – Other K-12



\$75M Florence-Roche School, GDRSD



\$130M Dale Street School, Medfield





PROJECT EXPERIENCE

Completed Projects – High Schools

\$74.4M Wachusett Regional High School*



\$72M North High School*



\$70.8M Wayland High School*



\$67.3M Salem High School*



\$45M Uxbridge High School*



\$93M Concord-Carlisle Regional High School*



QUESTION #7

What about this project excites your firm?



WHY THIS PROJECT?

A New High School!

A new High School, in this day and age, is often seen as the one of the highest profile, significant and expensive projects to be undertaken in a Town's history.

The architecture and overall facilities can positively impact the Town for decades to come.

Besides being the gateway for our youth between public school education and higher education or a technical career, a high school can be one of the most utilized buildings in Town with a constant flow of educational, sporting and community events.

As such, we will work with the Project Stakeholders to ensure that the new high school represents and is a reflection of the Stoneham Community.



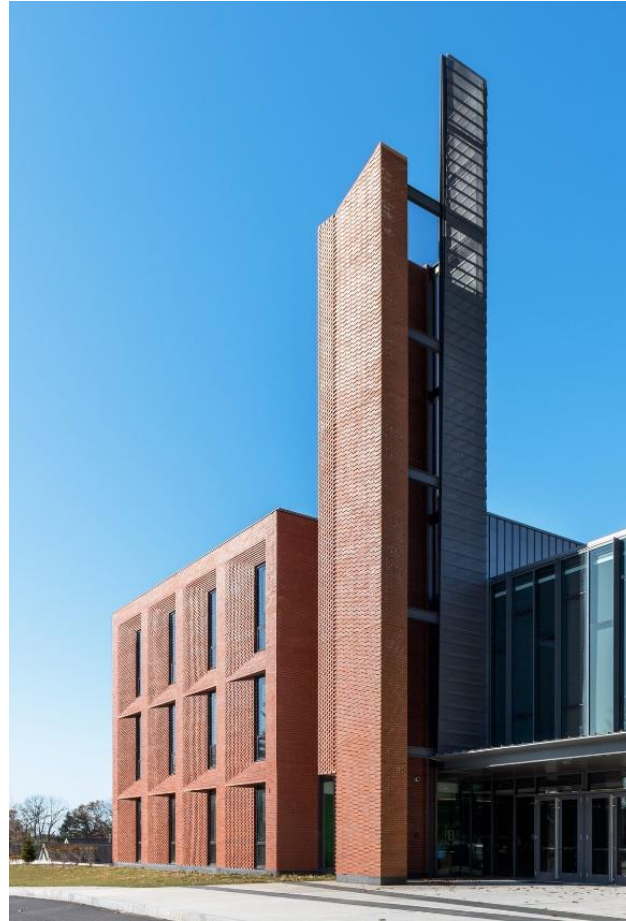


WHY THIS PROJECT?

On the Exterior

Billerica wanted to pay homage to the Town's veterans from past wars and to stay true to their name: **Billerica Memorial High School**.

Fall River wanted to honor the original **Durfee High School**, a significantly historic building, by replicating the Clock/Bell Tower and Observatory to utilize its historic bells and telescope and to show their Durfee pride.





WHY THIS PROJECT?

On the Interior

As mentioned previously, how many opportunities come along when you get a chance to take a fresh look at your school's logo and branding. Maybe every 50-100 years.

See what Billerica did to pay homage to their past in looking forward to the future, while tying the building together in one cohesive look and feel.



More Academic,
More Formal

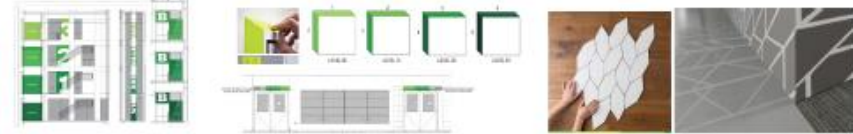
More Athletic,
More Informal

BRAND MOMENTS

BRAND IDENTITY



LOCATIONS+SIGNAGE



ENTRY+ COMMONS



LEARNING



PERFORMANCE





WHY THIS PROJECT?

On the Interior

STAIRWELLS TYP

ACADEMIC WING STAIRS / ST.01 - ST.12
STAIR D / ST.13 - ST.15



LEVEL 14

COLLABORATIVE LEARNING OVERVIEW



ACADEMIC WING W
ST.01 - ST.04

ACADEMIC WING STAIR W
ST.05 - ST.08

ACADEMIC WING STAIR N
ST.09 - ST.12



STAIR D
ST.13 - ST.15

- Option 1: Direct Embed Powdercoated aluminum panels qty 54 (50"x7")
- Option 2: Forms & Surfaces Powdercoated perforated panels 54 (50"x7")
- Option 3: Custom Printed Porcelain Tile, panels 54 (50"x7")



RENDERING - LEVEL 2





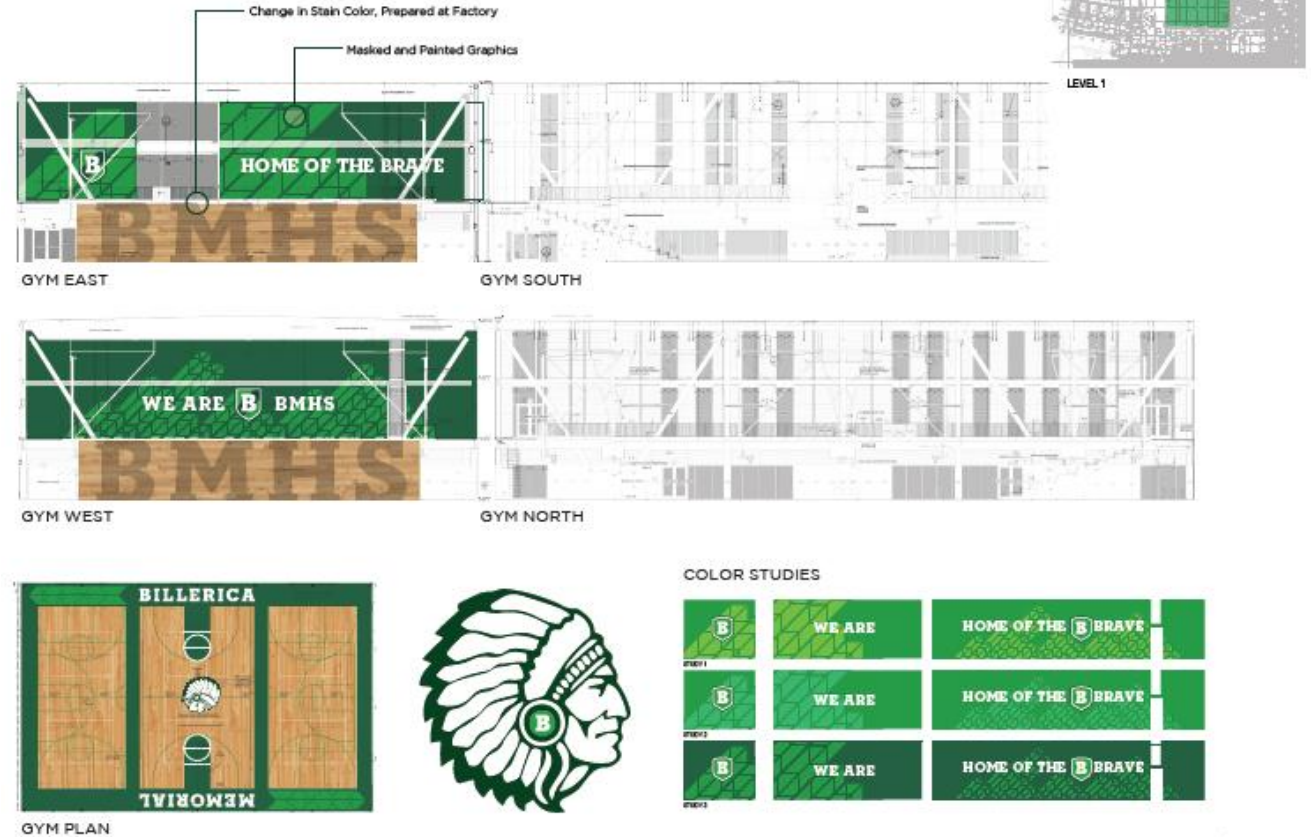
WHY THIS PROJECT?

On the Interior

GYMNASIUM OVERVIEW



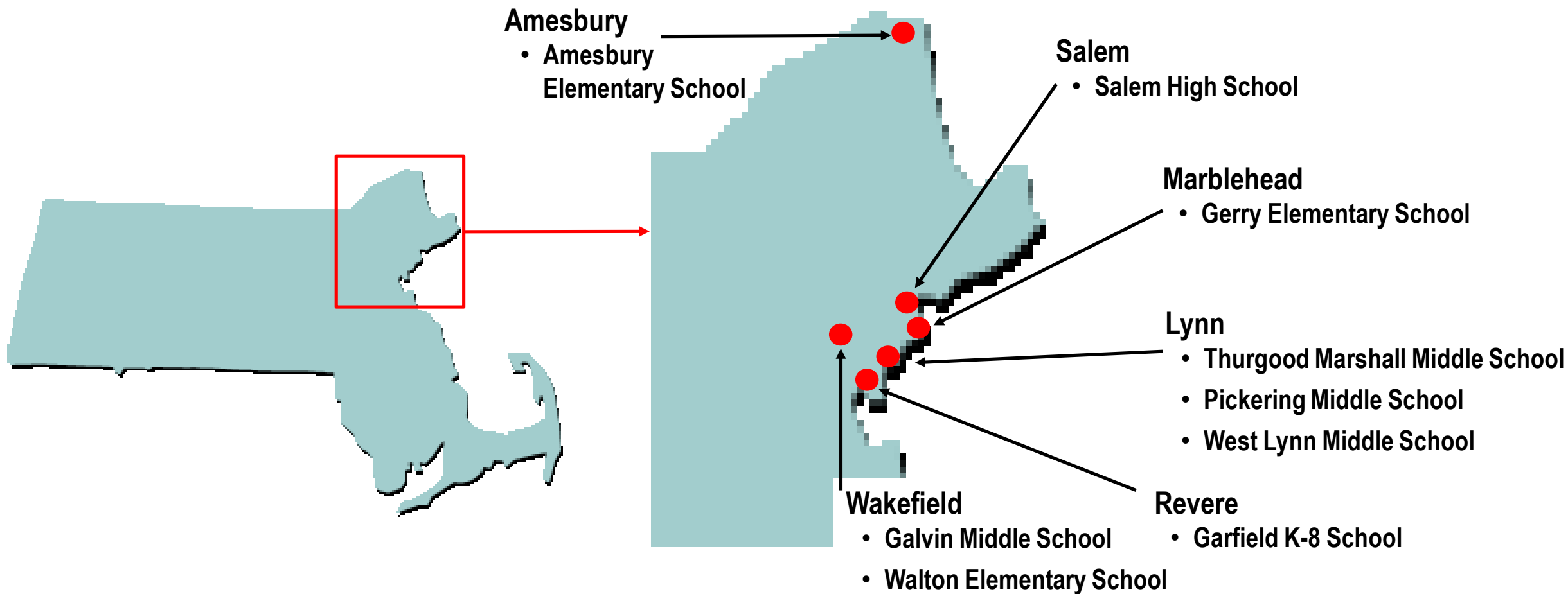
GYMNASIUM OVERVIEW





WHY THIS PROJECT?

We know the North Shore!



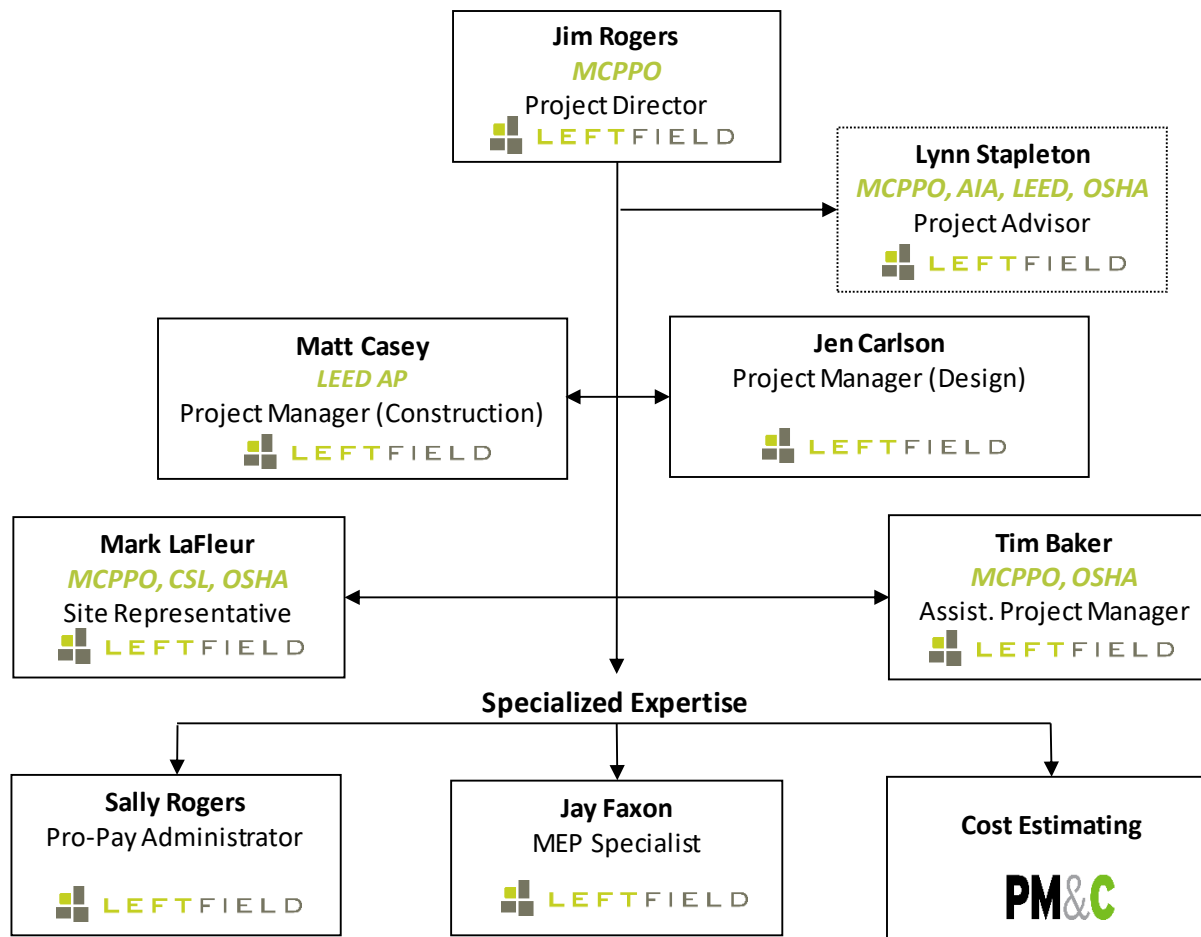
QUESTION #1

Please explain your staffing plan and approach in detail and why it provides the best option for Stoneham. If you provide % of time, explain why these percentages are appropriate; if you did not provide percentages, please provide and explain your rationale. Please tell us the status of your current projects and how you will balance those with the needs of Stoneham. Can you easily handle another project and if awarded this project, how do you decide on which additional projects to pursue going forward? If your company is awarded the contract, will the appointed staff change during the term of the contract and what would a potential replacement plan look like?



STAFFING PLAN

Introductions | Project Team





TEAM CAPACITY

Anticipated Capacity Chart

TEAM MEMBER NAME	TITLE	STONEHAM HIGH SCHOOL, STONEHAM*	DRISCOLL SCHOOL, BROOKLINE	WALTHAM HIGH SCHOOL, WALTHAM	DURFEE HIGH SCHOOL, DURFEE	BILLERICA MEMORIAL HIGH, BILLERICA	GERRY SCHOOL, MARBLEHEAD	FLORENCE ROCHE, GROTON-DUNSTABLE	DALE STREET SCHOOL, MEDFIELD	LOWELL ARP PROJECTS (6), LOWELL	WILBRAHAM MIDDLE ARP, WILBRAHAM	CAPACITY TOTAL
Jim Rogers	<i>Project Director</i>	20%	10%	10%	10%	5%	10%	5%	5%	0%	0%	75%
Lynn Stapleton	<i>Project Advisor</i>	10%	0%	20%	15%	0%	0%	0%	20%	10%	10%	85%
Matt Casey	<i>Project Manager, Construction</i>	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Jen Carlson	<i>Project Manager, Design</i>	50%	25%	0%	0%	0%	0%	0%	0%	0%	0%	75%
Tim Baker	<i>Asstistant Project Manager</i>	50%	0%	0%	0%	0%	0%	0%	0%	15%	15%	80%
Mark LaFleur	<i>Site Representative</i>	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Jay Faxon	<i>MEP Specialist</i>	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	50%
Sally Rogers	<i>Pro-Pay Administrator</i>	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	50%





TEAM CAPACITY

Staffing Plan and Approach

If awarded this project, we will endeavor keep the proposed Project Management staff for the life of the project.

In the 13 years of **LEFTFIELD**'s existence, we have only lost one employee to different a career pursuit. **LEFTFIELD** has little to no turnover.

We provide a Team Approach to projects. Therefore, should a change be unavoidable, you will have continuity with the remaining Team Members and a new member can easily and smoothly integrate into the Team





TEAM CAPACITY

Specialized MEP Expertise

- In-House MEP Expertise that Understands the Design, Construction, Operational and Maintenance Perspective of MEP Installations
- Help Specify Energy-Efficient yet Simple to Operate and Maintain Building Systems Equipment
 - ***LEFTFIELD is managing the design and construction of a fossil free school for the Town of Brookline***
 - ***Hired by Eversource to work with Communities to save energy through Preventative Maintenance programs***
- Assist in Training to Ensure that Staff can Manage the Critical Building Systems Equipment in a Manner that will Maximize their Useful Life
 - ***Assisted in developing job description for a Facilities Operations Manager for Billerica, participated in interviews, stayed on project for 90 days to train staff on controls/equipment***





TEAM CAPACITY

Specialized MEP Expertise

- QA/QC: Design Reviews – Analyze and Comment on Mechanical Approach, Review Accessibility of Equipment
Design Reviews – Analyze and Comment on Mechanical Approach, Review Accessibility of Equipment
 - ***Hired by Suffolk to work under them to provide quality control on One Dalton Street, a 4 Seasons high-rise in downtown Boston***
 - ***Hired by the Town of Haverhill to provide an existing conditions study on existing equipment, helped repair equipment, and then developed Preventative Maintenance approach and training. The Schools hired us first and then the City called us in.***
- Field Observation and Deficiency Reports to Identify Issues Early Enough to Address Them
- Oversight of Commissioning Process
 - ***Like others in the construction industry, the Cx Agents are busy in today's marketplace. We manage the efforts of the Cx Agent to ensure that the Cx approach documented within the specification is followed closely. We ensure all deficiencies are properly resolved.***



QUESTION #2

How do you intend to manage the construction budget to avoid significant increases from the original or approved budget, while avoiding significant compromises in quality, scope or sustainable features? What ideas do you have to accelerate the schedule without exposing the town to missteps and undue risk? If you have examples of how you have successfully done these on other projects, please provide detail.



BUDGET MANAGEMENT

Administration

- We use an on-line budgeting system that our clients can refer to when convenient.
- We manage the Pro-Pay system with the MSBA on behalf of our clients.
- We produce monthly invoice packages with all invoices attached, with an updated budget and cash flow to reflect the latest costs.
- We manage to the MSBA's budget as well as to the Town's contribution total.





BUDGET MANAGEMENT

Project Approach

- Use CM at Risk
 - Preconstruction process is key
 - Continuous estimates
 - Continuous value engineering
- Establish a 50% DD Baseline Budget
- Use of design-assist subcontracting
- Optimize site layout
- Minimize change orders through proper communication to ensure bid documents most accurately reflect the desires of the Stakeholders.
- Limit number of bid packages to 1 early site and super-structure package and 1 main construction package.
- Accelerate schedule to avoid escalation

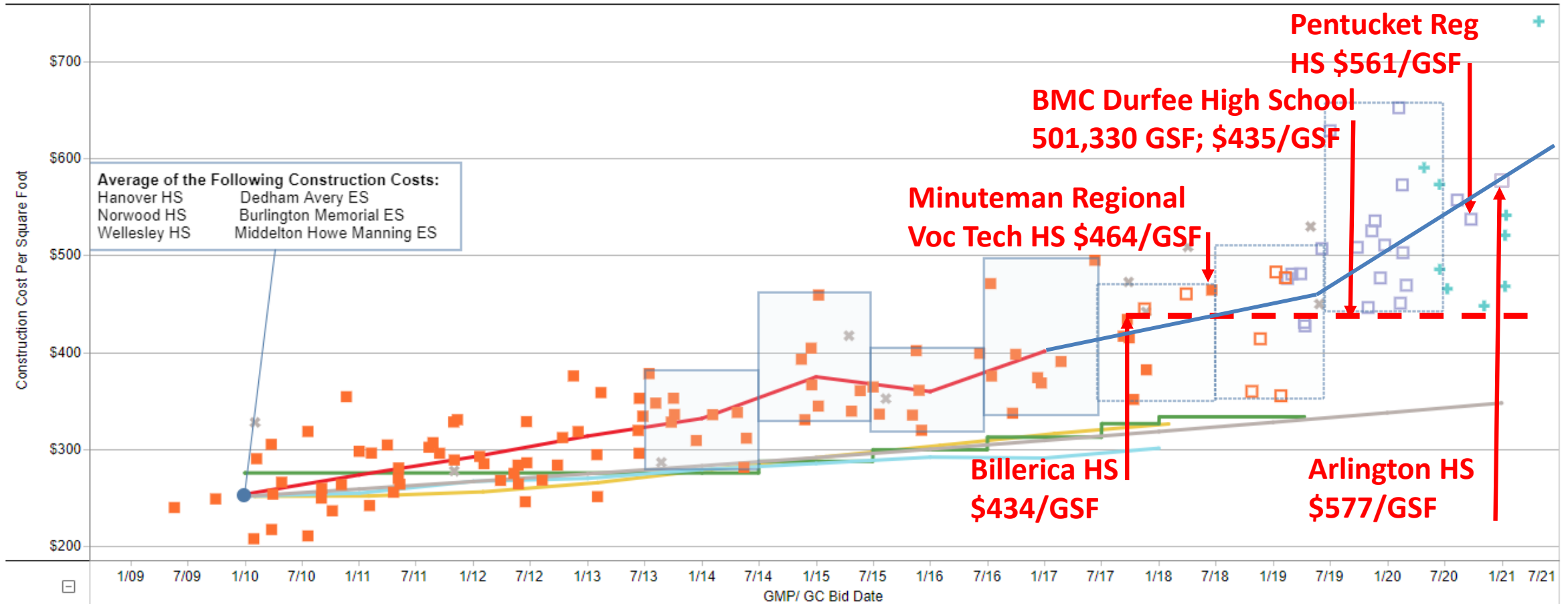




STONEHAM HIGH SCHOOL

Current MSBA School – Costs per Gross Square Foot

School Construction Costs Compared to Common Economic Indicators





STONEHAM HIGH SCHOOL

Conceptual Budget Range Analysis

Enrollment	695
MSBA ISS guideline per student (GSF)	99,882
Space beyond MSBA guidelines	25,000
Net Building Square Footage	124,882
Assumed Net to Gross Factor 1.5 (GSF)	62,441
Total Building GSF	187,323
Cost Per Square Foot New Construction	\$580
Construction Costs	\$108,647,340
Escalation Costs (5.5% for 2 years)	\$11,951,207
Adjusted Construction Cost	\$120,598,547
Soft Costs (25% of hard costs)	\$30,149,637
Anticipated Total Project Cost	\$150,748,184

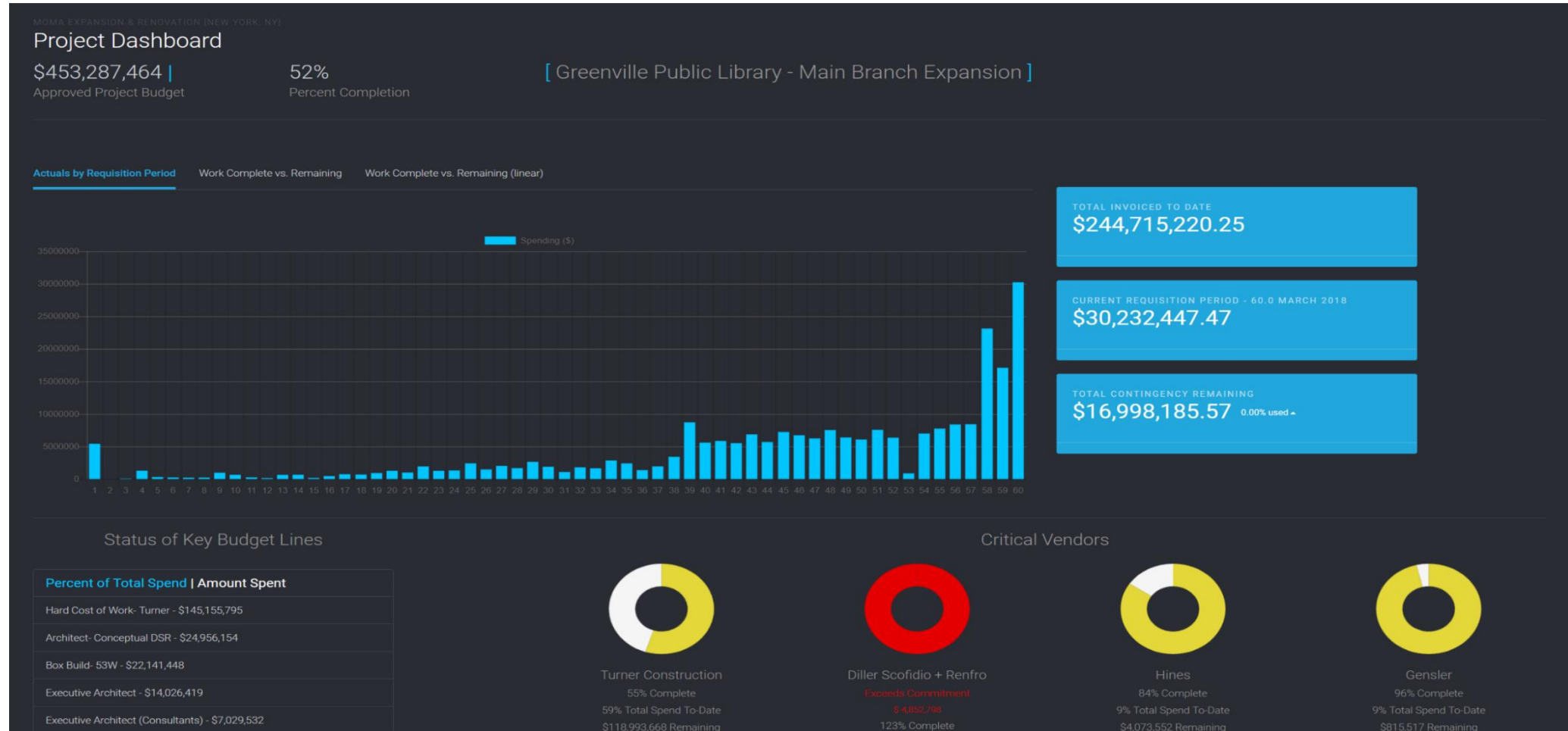
Enrollment	695
MSBA ISS guideline per student (GSF)	99,882
Space beyond MSBA guidelines	35,000
Net Building Square Footage	134,882
Assumed Net to Gross Factor 1.5 (GSF)	67,441
Total Building GSF	202,323
Cost Per Square Foot New Construction	\$630
Construction Costs	\$127,463,490
Escalation Costs (6% for 2 years)	\$15,295,619
Adjusted Construction Cost	\$142,759,109
Soft Costs (25% of hard costs)	\$35,689,777
Anticipated Total Project Cost	\$178,448,886





BUDGET MANAGEMENT

Cost Control





BUDGET MANAGEMENT

Management of Two Budgets (TPB and District Share)

<u>Unspent</u> [F]=[D]-[E]	<u>Remaining Budget</u> [G]=[C]-[D]	<u>% Complete</u> (Actual committed) [H]=[E]/[D]	<u>CTC</u> (Actual committed) [I]	<u>Anticipated C @ C</u> [J]=[D]+[I]	<u>Variance</u> (Under) / Over [K]=[J]-[C]	<u>Ineligible Definite</u>	<u>Ineligible Anticipated</u>
\$46,776,197	\$12,098,879	\$0	\$7,549,319	\$173,199,715	(\$2,897,574)	\$43,950,873	\$3,855,741
						\$47,806,614	
REIMBURSABLE DASHBOARD							
			Anticipated C @ C	\$173,199,715			
			Anticipated ineligible	\$47,806,614			
			Est. basis of total grant	\$125,393,101			
			Reim rate	56.99%			
			Est. max. grant	\$71,461,528			
			Est. District share (spending 100% of all contingencies)	\$101,738,187			
			Adjusted Est. District share (\$2m feasibility study value removed)	\$99,738,187			
			Original District Share Goal	\$100,000,000			
			Delta	(\$261,813)			

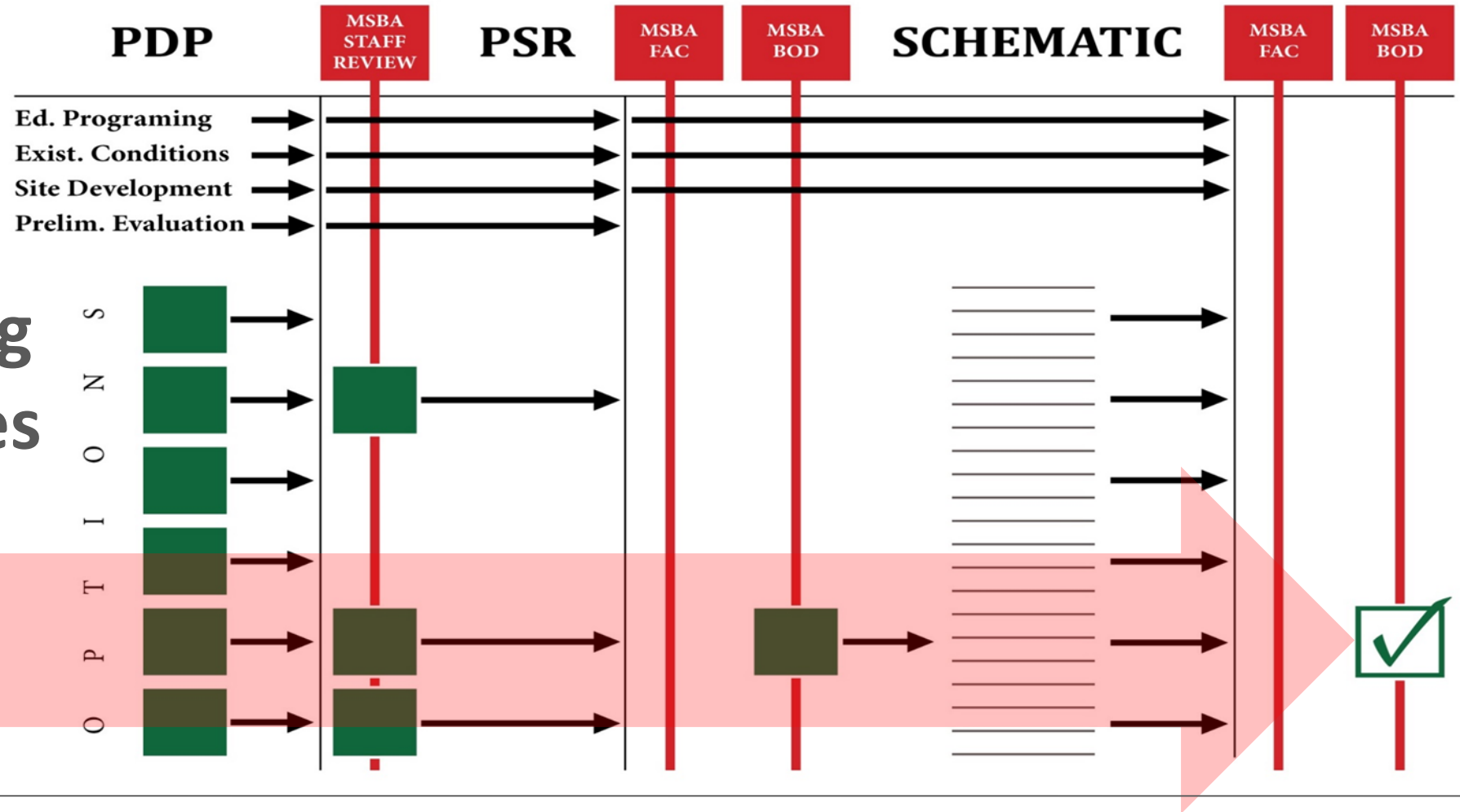




MANAGEMENT APPROACH

MSBA Knowledge

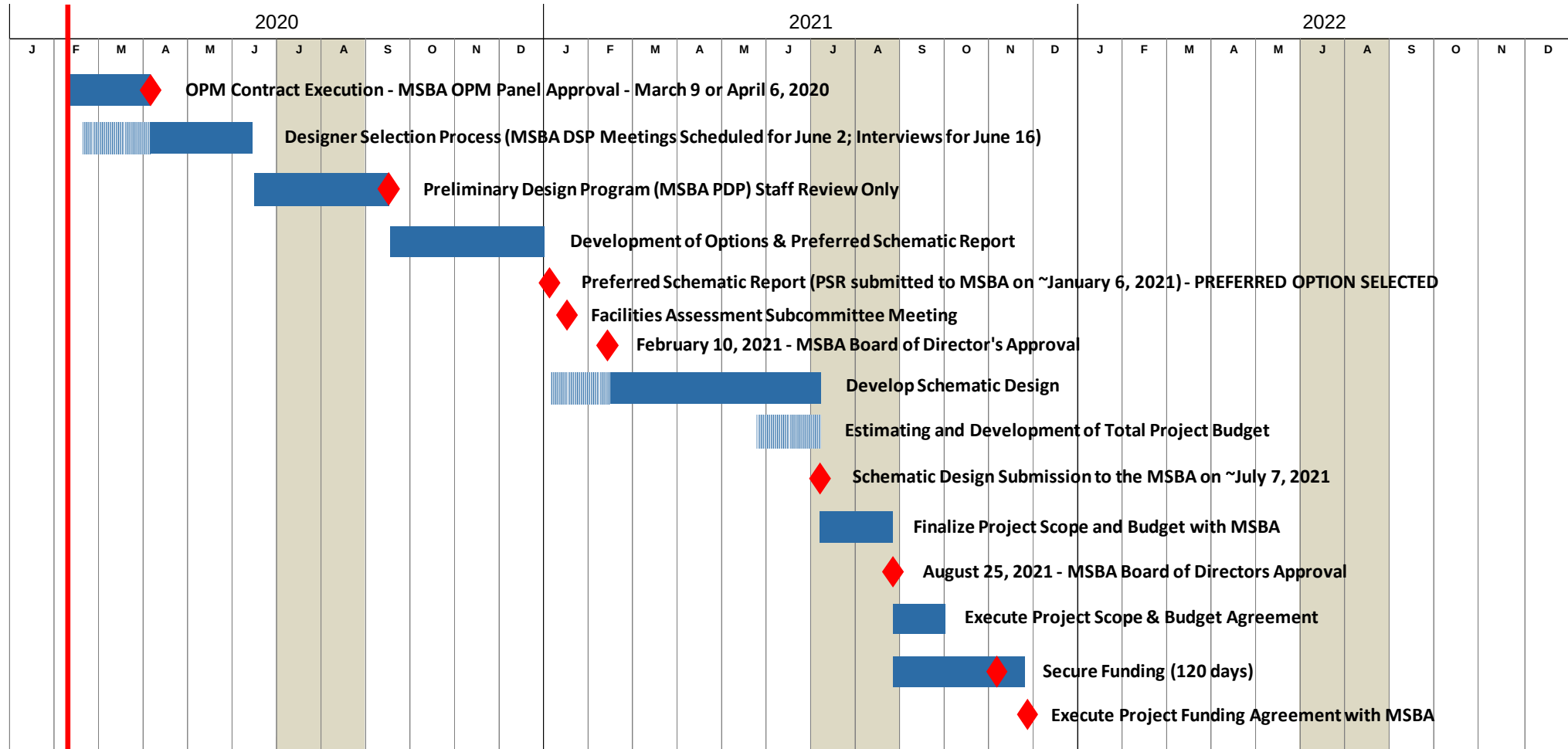
Understanding MSBA Modules





STONEHAM HIGH SCHOOL

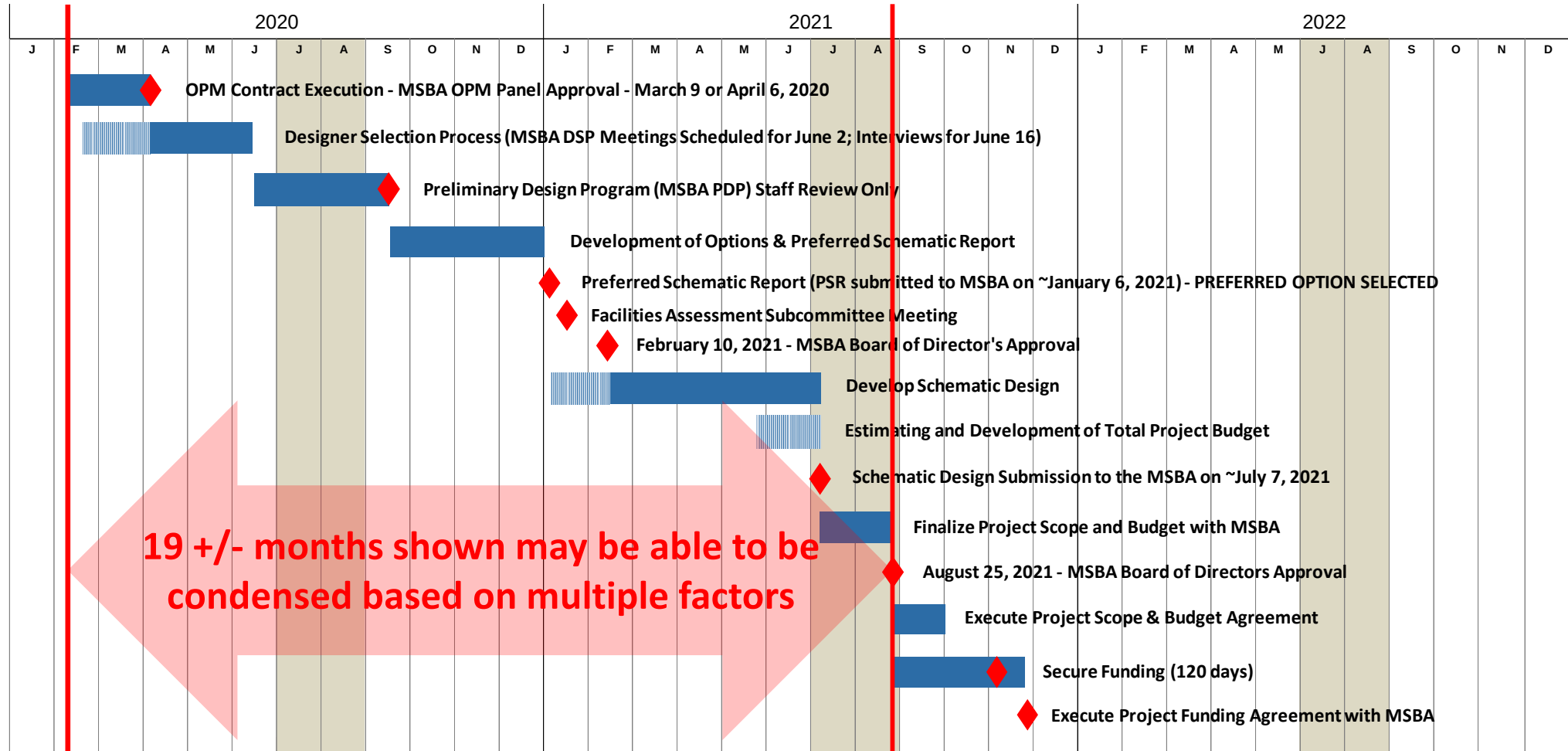
Understanding MSBA Modules – Conceptual Schedule





STONEHAM HIGH SCHOOL

Understanding MSBA Modules – Conceptual Schedule

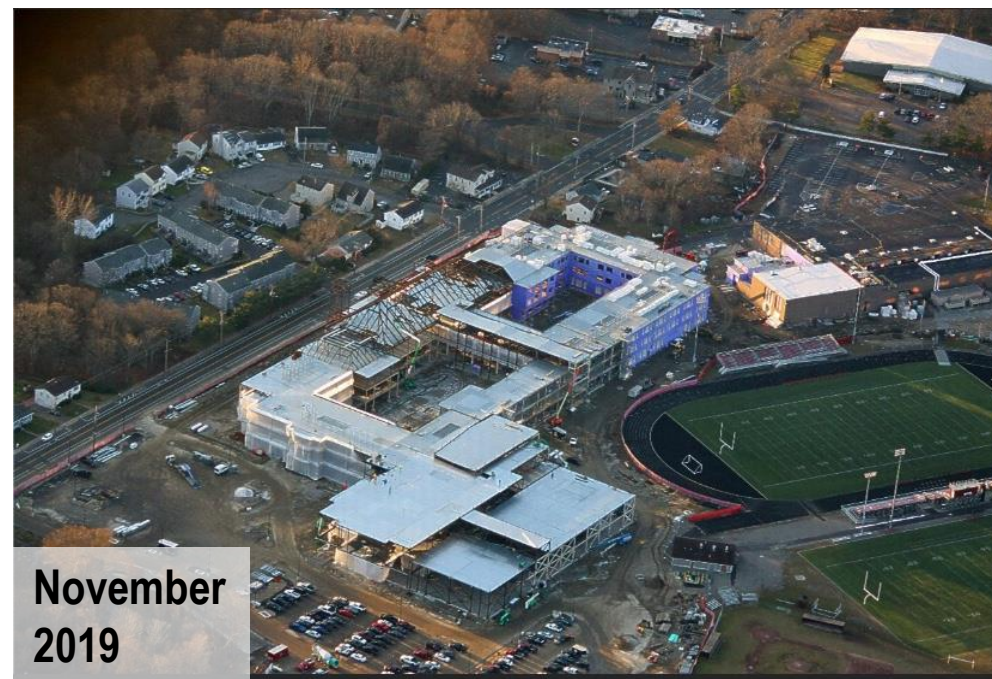
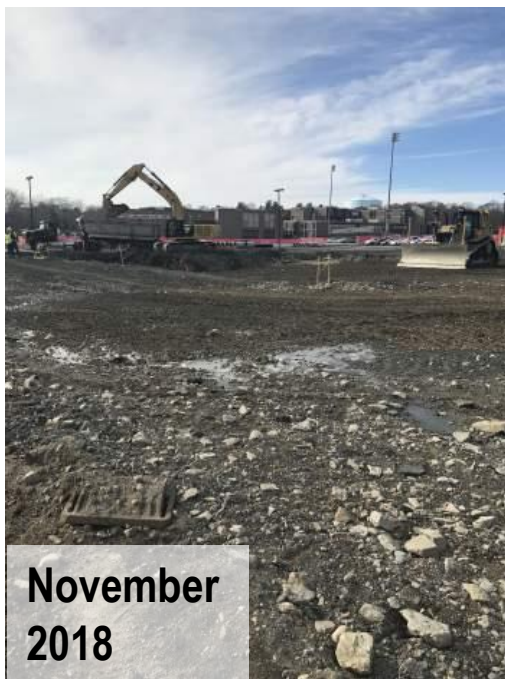




ACCELERATED SCHEDULE

Durfee High School

- Approval in May of 2018
- Design started in June of 2018
- Utility relocation work started in October 2018 – only 4 months after DD documents
- Foundations started in April 2019
- Steel started in July 2019
- Lesson learned: Limit amount of early packages due to public procurement and coordination difficulties on large scale projects.
- **See picture on right 1 year into Construction Phase.** THIS IS THE SAME TIME THE REMAINDER OF THE CDs WERE GOING OUT TO BID. You get a good understanding what benefit a CM and Early Bid Packages can provide to a project



QUESTION #3

If you are the selected OPM, how would you describe your management style as it regards to public input and collaboration with all the Stakeholders? What services do you believe you can offer that sets you apart from other OPM companies?



MANAGEMENT STYLE

Collaboration

Management of Team Relationships

- We approach challenges in a methodical manner promoting collaboration toward a goal of consensus
- Our primary role is to manage Team Members and responsibilities to ensure that the components of a projects are executed timely and as required
- We are constantly looking ahead to forecast potential issues and manage risks by planning accordingly so issues/risks never materialize
- When there is an impasse, we mediate to a thoughtful and appropriate solution





MANAGEMENT STYLE

Collaboration

Building Consensus Among The Team

- We analyze everything in a Cost-to-Benefit Analysis and present the findings. Within this equation, we insert many variables such as local politics, timing, costs, schedule/cost impacts, educational needs and benefits.
- We ask tough questions to the Owner and Designer to determine needs vs. wants.
- We work collaboratively with our clients trying to shoulder the project's responsibilities:
 - Pro-Pay management
 - Our Cx oversight and training on the major MEP equipment for the facilities and operations staff
 - We develop a website for our Districts that don't already have them. All project information resides on the website to keep the community informed about the Project and its progress
 - <https://www.florencerocheproject.org/>





COMMUNITY ENGAGEMENT

Monthly Meeting Matrix

February

Dates TBD	Monday	Tuesday	Wednesday	Thursday	Friday
3-Feb - 7-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb
Time TBD Commission on Disabilities Location TBD	6:00 PM - 9:00 PM Design Subcommittee School Committee Room	8:00 AM - 9:00 AM PTO / SBAC Meet & Greet Driscoll School Cafeteria		7:30 AM - 9:00 AM Working Group Town Hall, Rm 111	
10-Feb - 14-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb
Time TBD Climate Action Committee Location TBD	9:00 AM - 11:00 AM CM Prequalification Committee Location TBD 5:30 PM - 8:30 PM Design Subcommittee Location TBD	4:00 PM - 6:00 PM SC Capital Subcommittee School Committee Rm Time TBD Building Commission Location TBD		7:30 AM - 9:00 AM Working Group Location TBD 6:00 PM - 10:00 PM School Committee School Committee Rm	
17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	
School Vacation Week					
24-Feb - 28-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
Time TBD CM Selection Committee Location TBD	Time TBD Transportation Board Location TBD			7:30 AM - 9:00 AM Working Group Town Hall, Rm 408	7:30 AM - 9:00 AM School Building Committee Location TBD

March

Dates TBD	Monday	Tuesday	Wednesday	Thursday	Friday
2-Mar - 6-Mar	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar
Time TBD CM Interviews CM Selection Committee Location TBD 6:00 PM - 9:00 PM Design Subcommittee Location TBD	7:00 PM - 9:00 PM Design Advisory for Parks & Rec Driscoll School, Library			7:30 AM - 9:00 AM Working Group Town Hall, Rm 111	
9-Mar - 13-Mar	9-Mar	10-Mar	11-Mar	12-Mar	13-Mar
6:00 PM - 8:00 PM Building Commission Town Hall, Rm 408 Time TBD Climate Action Committee Location TBD		Time TBD Building Commission Location TBD		7:30 AM - 9:00 AM Working Group Town Hall, Rm 103	
16-Mar - 20-Mar	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar
				7:30 AM - 9:00 AM School Building Committee School Committee Rm	
23-Mar - 27-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar
Time TBD Water Department Location TBD Time TBD DPW / Engineering Location TBD	5:30 PM - 8:30 PM Design Subcommittee Location TBD			7:30 AM - 9:00 AM Working Group School Committee Rm	
30-Mar - 3-Apr	30-Mar	31-Mar			
	5:30 PM - 8:30 PM Design Subcommittee Location TBD				



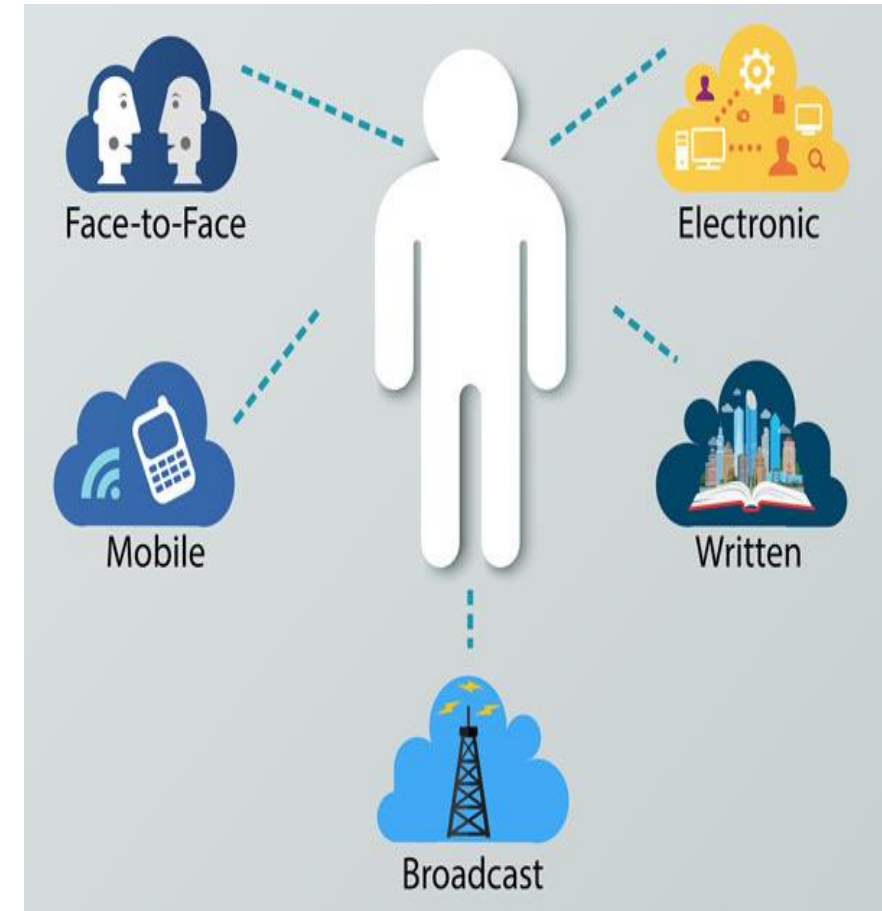


COMMUNITY ENGAGEMENT

Clear Communication

The **LEFTFIELD** Team understands the importance of engaging the community in the project development process and will serve as your communication partner on this project. We believe clear and regular communication about the project in various formats will add to its overall success. We WILL:

- Develop a **Communication and Marketing Plan** for the Project
- Facilitate **Public Forums, Design Presentations, Listening Tours**
- **Coordinate with and Inform** the various Town of Stoneham and School Committees and Groups and **Collect Feedback**
- Develop and Manage **Project Website, Frequently Asked Questions**, and **Social Media Accounts**
- Periodically Develop **Brochures** Highlighting Project Features & Facts
- Work with the Project's Contractor to Publish Look-Ahead Schedules **Monthly Newsletters** on Upcoming Construction Activities





COMMUNITY OUTREACH

Communications to Public



Durfee Rising
@DurfeeRising

Home

Posts

About



Like

Share

Suggest Edits

Send Message



Facebook.com/
DurfeeRising



@DurfeeRising
#BuildingForTheFuture



@DurfeeRising



Local Cable News



Local Talk Radio



LEFTFIELD

Stoneham Public Schools
Stoneham High School





COMMUNITY OUTREACH

Communications to Abutters



B.M.C. DURFEE HIGH SCHOOL OF FALL RIVER, MA

NEWSLETTER

August 6, 2018 - Issue I

Coming Soon!

Project Description

The project consists of 501,330 gross square feet of new construction and minimal renovation for the B.M.C. Durfee High School to house a student population of 2,570. The new school will serve grades 9-12 on three floors to be located on the existing school site located at 360 Elsbree Street, Fall River Massachusetts. The site is comprised of approximately 64 acres of land and contains the existing high school which will be occupied during construction of the new school. Exterior work will include the completion of related site improvements, underground utilities, parking and on-site service and fire access roadways, new tennis courts, a multi-use athletic field.

Project Statistics

Estimated S.F.: 501,330 +/- gross square feet (98,523 renovation and 402,807 new)

Program Type: New Comprehensive High School, 2,570 students, Grades 9-12.

Building Type New construction (traditional foundation with spread footings, steel-framed structure with composite slab-on-deck construction).

Combination of brick/ punched windows/ curtainwall exterior materials including multi-phased site work.

Occupancy 2021

Work Hours

Construction hours per Fall River Ordinance are 7:00AM - 4:00PM
*Saturday Work upon City Approval.

Please pardon our appearance and any noise disruption during construction. We appreciate your continued patience and cooperation.

Questions or concerns? Please contact:
Peter Hartman, Sr. Superintendent, Suffolk, 508-962-8086

f t #NewDurfee



B.M.C. DURFEE HIGH SCHOOL FALL RIVER, MA

NEWSLETTER

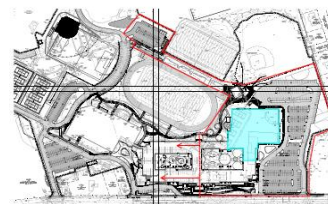
January 10, 2018 - Issue II

HAPPY NEW YEAR!!

The Earthwork Contractor, K.R. Rezendes (KRR) has had a productive month onsite. They are working diligently to prepare the site for concrete foundations this up-coming Spring!

What does this site preparation entail?
-Installation of Underground Utilities from Elsbree Street (Water, Sewer, Gas, and Electric) is on-going.
-Building Over-Excavation and Trucking is a daily task for the approx 220,000sqft footprint of the building.
The first milestone was met this past month by the team turning over the newly prepared Parking Lot B for Faculty/Students/ Visitors to Durfee High.
Additionally, Logistics in Parking Lot A has changed. As KRR progresses with the building over-excavation the team will continue to claim more land in Parking Lot A as Under Construction.

See Below the overall lay of the land.
Red= Fencing Lines.
Blue= Over-Excavation Completed.



What Else...

The entire construction team (Architects, OPM, Suffolk) is well underway and awaiting bids (Due the week of January 14th for NEW upcoming work for the project: Concrete Foundations, Underground Mechanical, Electrical, and Plumbing.

Some exploratory work will be conducted in the Athletic Building over February break. This will help with construction and planning for the upcoming construction to be done.

Please pardon our appearance and any noise disruption during construction. We appreciate your continued patience and cooperation.

Questions or concerns? Please contact:
Adam Keane, Leftfield, AKeane@leftfieldpm.com



B.M.C. DURFEE HIGH SCHOOL FALL RIVER, MA

NEWSLETTER

March 8, 2019 - Issue 8

Onto the Next Construction Phase....

KR Rezendes and Team has wrapped up the building over excavation for the building and we are moving onward to concrete footings and foundations!
JL Marshall is the new trade partner in town and will be working diligently for the next 4.5 months to install the building footings and foundations.

Currently, the team is working behind the scenes to procure material (rebar, anchor bolts, etc) to set up the project for a concrete placement by the beginning of April.

In other news, the team is working toward having N-Grid land one of the two primary electrical transformers on the project slated for the end of March. All of the underground conduits, transformer pad (see in one of the pictures), and additional accessories are awaiting the units arrival.

Additionally, KR Rezendes and others are installing underground electrical conduits, drainage, gas, and water lines. Lastly, the first phase drawings for the Athletic Building Renovation will be issued by the end of March. This release of documents will allow the team to get started with the building addition, the demolition of the pool, the new roof, and the facade improvement



Please pardon our appearance and any noise disruption during construction. We appreciate your continued patience and cooperation.

Questions or concerns? Please contact:
Adam Keane, Leftfield, AKeane@leftfieldpm.com 617.593.9539



QUESTION #4

Describe in detail the most similar project to the Stoneham High School, as worked on by your firm and its team to be assigned to the projects. Please outline your involvement, what challenges made it similar and how were they addressed. What lessons were learned from this project that will be relevant to Stoneham?



SIMILAR PROJECT

Durfee High School

A Design and Cost Control Approach to the Durfee High School Project included renovating the existing field house and connecting it to the new High School building.

A glass connector was created to separate the two buildings and a new exterior skin was applied to the existing Field House. The School was able to get more square footage for sports programs by renovating that constructing ne under MSBA Guidelines.



QUESTION #5

If you are selected, describe your attention to detail in the Commissioning of the Building?
Inclusive of onsite professional education and how long would this process take after
Stoneham takes control of the building?



COMMISSIONING

Approach

Covered under Question #1 (Staffing)



QUESTION #6

There are several known issues and community priorities if the current site is utilized. Please tell us your experience in working with potential wetland areas, the renovation of athletic fields, and managing traffic concerns. Please provide any innovative solutions that helped navigate the challenges of each.



STONEHAM HIGH SCHOOL

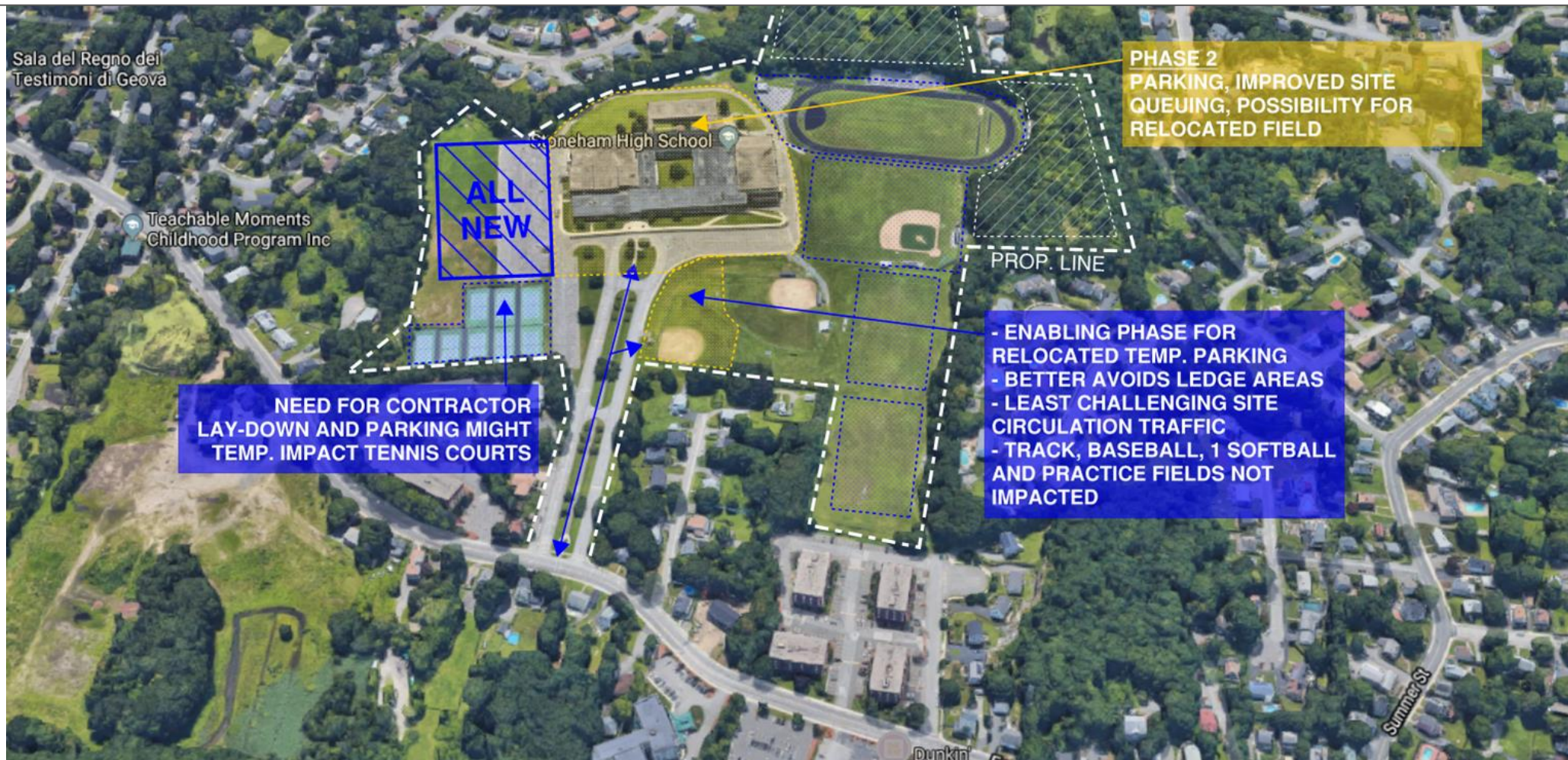
Site Understanding – Addition/Reno Option





STONEHAM HIGH SCHOOL

Site Understanding – New Option @ East



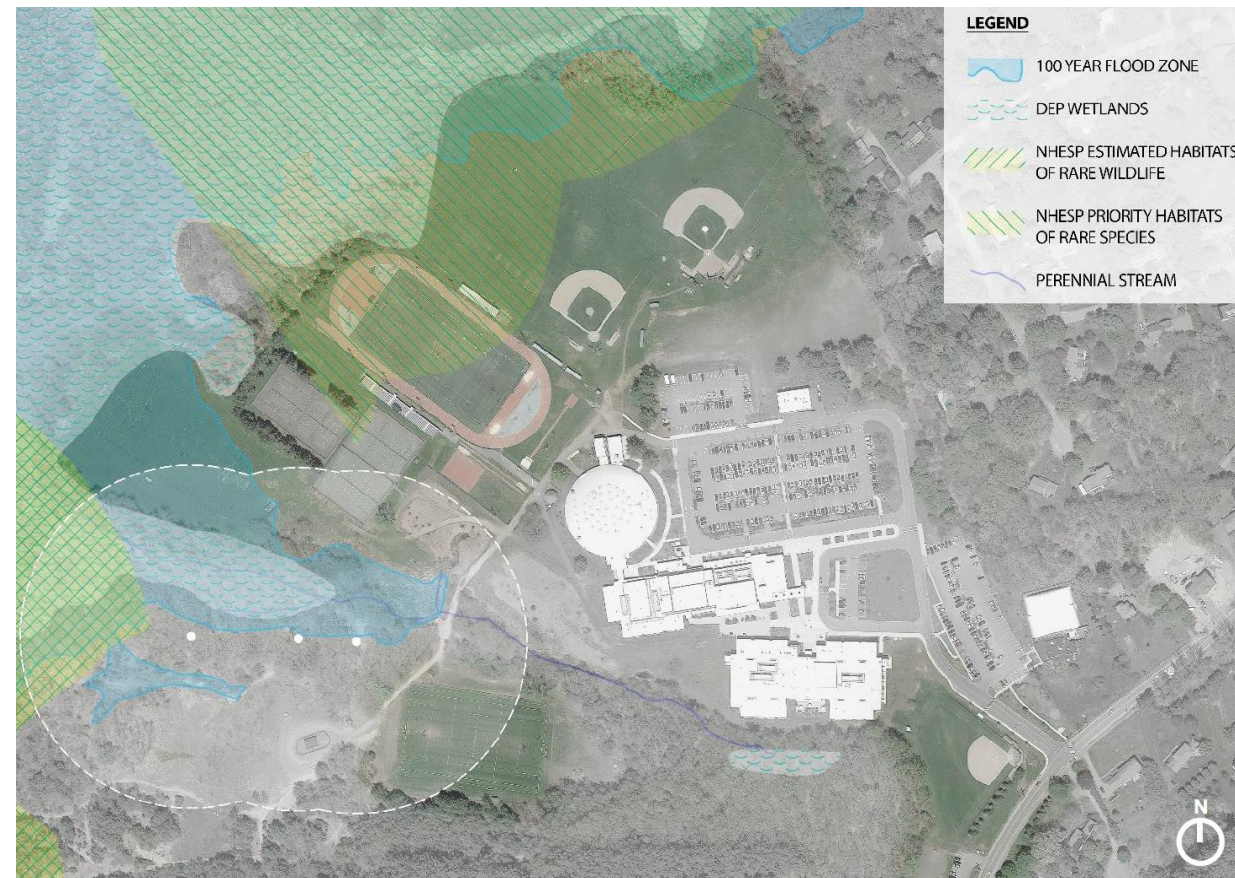


CHALLENGING SITE

Wayland High School Athletic Fields



We recently completed renovations of the athletic fields at Wayland High School where we constructed the synthetic turf fields within the Well-Head Protection Overlay District for the Town's three major drinking wells, within the Wetlands 100-foot buffer, the Riverbank 200-foot buffer and a 100-year Flood Zone.



Questions



LEFTFIELD

THE RIGHT CHOICE IN PROJECT MANAGEMENT



CHALLENGING SITE

Wachusett Regional High School

MSBA/Blasting/Site/Additions & Renovations Project/Chapter 149

Wachusett Regional High School Project*, Holden, MA (\$74.4M)

- 400,000 SF, 2,000-student school, fully occupied during construction
- Extensive site work; terraced into the hillside
- From road to the highest ballfield level is over 200 feet in elevation
- Ledge blasting within a reservoir and protected aquifer district
- Full-time OPM and Clerk presence on site to coordinate with the school and to manage the continuous logistical changes.
- **Constant adjustment, flexibility and communication was essential and the OPM was the key liaison between all parties.**

