

ARCHITECTS

#### **AGENDA**:

- 1. Call to Order
- 2. Project Approvals
- 3. Budget Overview
- 4. Schedule Overview
- 5. Construction delivery method discussion & VOTE
- 6. Building Options review & VOTE
- 7. VOTE to submit PSR to the MSBA
- 8. Next Meeting
- 9. Adjourn



# MEETING MINUTES



#### **SUGGESTED VOTE:**

Vote to approve meeting minutes from the January 3, 2024 SBC Meeting



# PROJECT APPROVALS



# Project Invoices - TOTAL \$110,459.22

INVOICES						
Invoice Date	Vendor	Invoice #	Budget Category	Description of Services	Invoice \$	
11/30/23	LeftField, LLC	10	OPM –Feasibility Study/ Schematic Design	OPM Feasibility Study Services for: November 1 – November 30, 2023	\$17,300.00	
12/31/23	Ai3	006B	A/E - Feasibility Study/ Schematic Design	A/E - Feasibility Study Basic Services December 1 – December 31, 2023	\$78,570.00	
12/31/23	Ai3	005E	A/E – Feasibility Study/ Schematic Design	A/E – Extra Services (within contract) Traffic Study, Environmental Permitting, and Hydrant Flow Test	\$14,589.22	
	Ai3			Total Ai3 Invoices	\$93,159.22	
				TOTAL:	\$110,459.22	



# PROJECT APPROVALS



# Feasibility Study Total Project Budget

William H. Gal	lvin Middle School - Canton, MA								
otal Project E	Budget Status Report								
ProPay Code	Description	Total Project Budget	Authorized Changes	Revised Total Budget	Total Committed	% Cmtd to Date	Actual Spent to Date	% Spent to Date	Balance To Spend
	FEASIBILITY STUDY AGREEMENT								
0001-0000	OPM Feasibility Study/Schematic Design	\$ 346,000	\$ 9,900	\$ 355,900	\$ 355,900	100%	\$ 173,000	49%	\$ 182,90
0002-0000	A&E Feasibility Study/Schematic Design	\$ 900,000		\$ 1,087,860	\$ 1,087,860	100%	\$ 562,622	52%	\$ 525,23
0003-0000	Environmental & Site	\$ 204,000				0%	\$ -	0%	\$ 16,14
0004-0000	Other	\$ 50,000				0%	\$ -	0%	\$ 40,10
	SUB-TOTAL	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 1,443,760	96%	\$ 735,622	49%	\$ 764,37
	TOTAL PROJECT BUDGET	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 1,443,760	96%	\$ 735,622	49%	\$ 764,37
_									
	FUNDING SOURCES	Max w/ Conting.	Max w/o Conting.						
	Maximum State Share	\$ 483,900	\$ 483,900	Project	Scope Items Excluded	Contingonoics	Basis of Total	Reimbursement	
	Local Share	\$ 1,016,100	\$ 1,016,100	Budget	Scope items excluded	Contingencies	Facilities Grant	Rate	
	SUB-TOTAL	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ 1,500,000	47.21%	

 All Contract Amendments have been committed against the original budget to indicate the remaining funds in each Budget Category

All Invoices have been indicated in the Budget

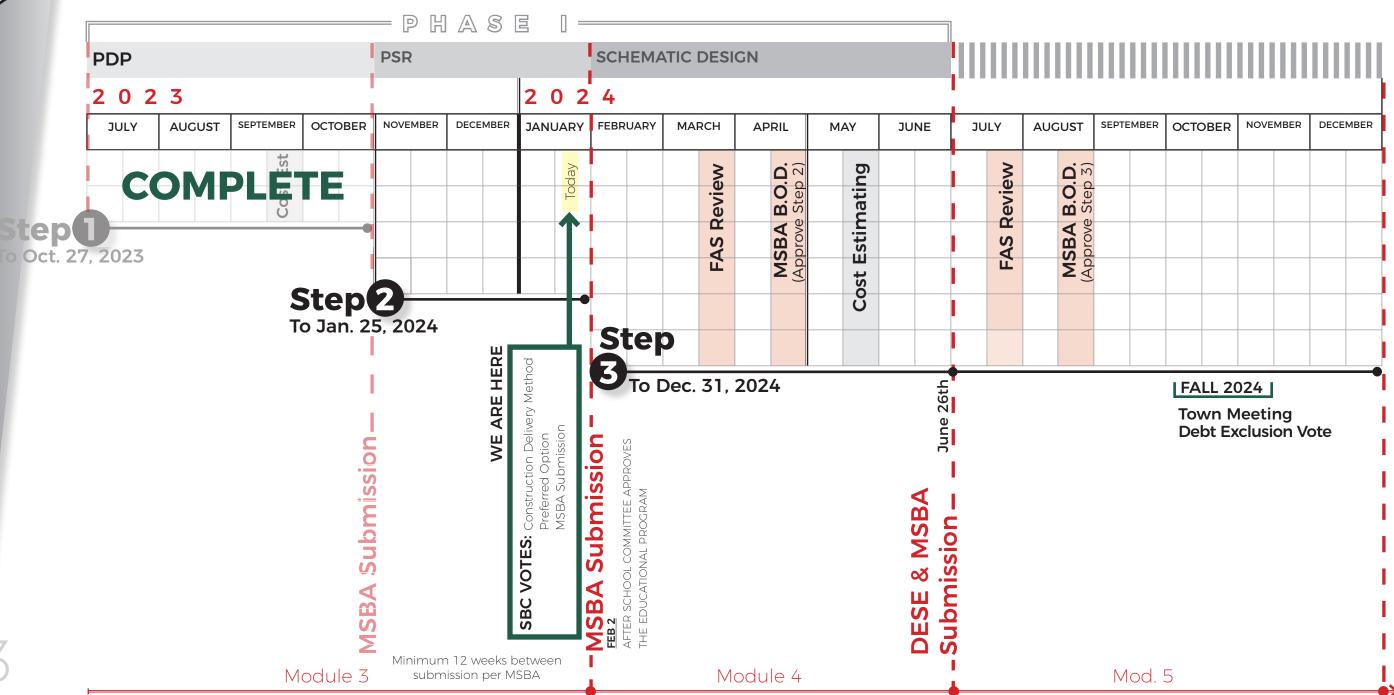
Committed: 96%

**Expended: 49%** 

**Uncommitted Funds: \$56,240** 



## **Galvin Middle School Project Schedule Overview**





CM at Risk (M.G.L. Chapter 149A) Design-Bid-Build

(M.G.L. Chapter 149)



#### **CM AT-RISK ADVANTAGES**

- Selection based on qualifications, experience & proposed team rather than lowest price/bid
- Design phase assistance with budgeting, site logistics and constructability results in ability to address challenges early
- Early cost estimates & feedback to help in the design process results in a more accurate cost model
- Trade contractors know the CMR prior to submitting bids
- Fast track schedule/early release bids possible
- Team concept with Owner, OPM, Designer

BEST SUITED FOR: Projects that are time sensitive, challenging to define or subject to potential changes; projects requiring high construction oversight due to site logistics and phasing as well as multiple stakeholders.

#### **DESIGN-BID BUILD ADVANTAGES**

- Simpler process to manage
- Fully defined project scope for construction
- Perceived as getting "best price" by awarding to lowest responsible bidder
- Owner/Designer can completely control design
- Simple accounting

BEST SUITED FOR: Less complicated projects that are budget-sensitive, but are not schedule sensitive and not subject to change



#### **CM AT-RISK DISADVANTAGES**

- Requires an OPM or Owner with an understanding of experience in the CMR process and GMP mechanics
- Perceived higher up-front cost, due to preconstruction services "filling holes" in scope and/or documents (with result of minimizing future change orders and avoiding delays)
- Potential oppositional relationship when design intent is challenged when "design-tobudget" or "price cutting" is pushed

### **LeftField**

#### **DESIGN-BID-BUILD DISADVANTAGES**

- Linear process may equate to a longer schedule duration
- Hard price not known until bids are received; may require re-design and re-bid if bids exceed budget = schedule delays
- Minimal GC project management
- No GC input in design, planning or budgets
- The designer may have limited ability to assess scheduling and cost ramifications as the design is developed which can lead to a more costly final product
- May foster oppositional relationships between all parties and increases probability of disputes
- Prone to changes and claims which may increase final project cost



#### **COST AND ACCOUNTING**

#### **CM at-Risk**

- CM includes contingency within the GMP (Guaranteed Maximum Price) to cover work reasonably inferable from the design documents. The CM contingency is transparent and use of the contingency is owner controlled
- The Owner and project team interact with the CM to establish the GMP. Please note that once the CM is selected at the pre-construction phase, there is a level of confidence between the Owner and CM that a mutually acceptable GMP can be reached
- Profit (or fee) and general conditions are fixed. Open book accounting is performed and any unused funds in project requirements, allowances, scope holds and CM contingency are returned to the owner
- Monthly requisition process has more detailed paperwork

#### **Design-Bid-Build**

- The GC cost of the work is highly competitive and will likely yield a lower cost up front than CMR. However, please note that GC's objective is to maximize their profit margin because any savings do NOT go back to the Owner at the end of the project.
- There is no "open book" accounting. The GC's contingency is not transparent
- Monthly requisition process is simplified



Construction Delivery Method	PDP Estimated Total Project Budget	PSR Estimated Total Project Budget
CM at Risk	New – \$223M Add/Reno – \$245M	New – \$223M - \$237M Add/Reno – \$226M - \$248M
Design Bid Build	New – \$212M Add/Reno – \$233M	New – \$213M - \$225M Add/Reno – \$215M - \$235M



#### **CM at-RISK PROCUREMENT**

- 1/24/24 GMS SBC approves CMR Method
- 1/31/24 LeftField submits application to OIG
- February Solicit and Review Qualifications Packages
- March Invite qualified CMRs to submit Proposals
- April Host Interviews
  - Select a CMR
- May CMR on board, working with team on logistics, schedule, and reviewing documents
  - CMR prepares project estimate (along with Ai3's estimator)

### **LeftField**

#### **AVAILABLE FEASIBILITY FUNDS**

- Uncommitted Funds Sufficient
- \$56,240 Feasibility Study Contingency
- Expected CMR Feasibility Pre-Con Fee range: \$35,000 to \$45,000



#### **SUGGESTED VOTE:**

SBC would like to proceed with a Construction Manager at-Risk procurement method and approve LeftField to proceed with submitting the application to the Inspector General's Office

OR

SBC would like to proceed with Design Bid Build procurement method



## **Building Options**

Matrix of possible configurations

PRIOR TO DECEMBER
20TH MEETING **Option 1 Base Repair** With Auditorium \$129.2 million\* With Auditorium Grades 6-8 **Option 5 Option 2 Option 3 Option 4** (6-8) Add/Reno (6-8) Add/Reno (6-8) New Construction (6-8) New Construction **NO Auditorium** With Auditorium **NO Auditorium** With Auditorium **Option 8 Option 9 Option 6 Option 7** Grades 5-8 (5-8) New Construction (5-8) New Construction (5-8) Add/Reno (5-8) Add/Reno **NO Auditorium** With Auditorium **NO Auditorium** With Auditorium Addition / Renovation **New Construction** 





## **Building Options - Matrix**

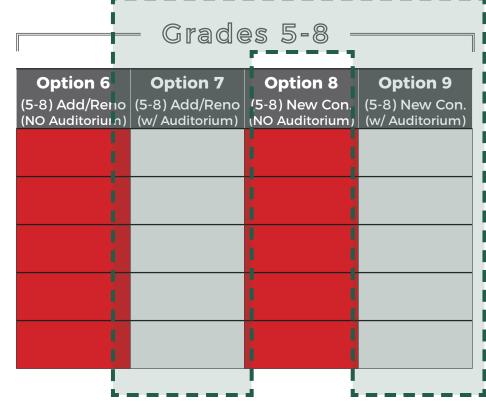
**Building Organization Options** 



		_ (	Grade	<b>?</b> S	6=8
	Ī				

Categories	<b>Option 1</b> Base Repair
Educational Program	
Community & Access	
Construction Phasing	
Sustainability	
Cost	

Option 2	Option 3	Option 4	Option 5
(6-8) Add/Reno (NO Auditorium)		(6-8) New Con. (NO Auditorium)	



Options no longer relevant based upon School Building Committee and School Committee votes held on Dec. 20, 2023

Options still applicable to the project. (Option 7 & Option 9)





## **Building Options Overview**

### **ALL OPTIONS INCLUDE:**

correct QUANTITY of learning & support spaces inclusion of 5th grade spaces 800 seat AUDITORIUM 1.5 or 2 court GYMNASIUM

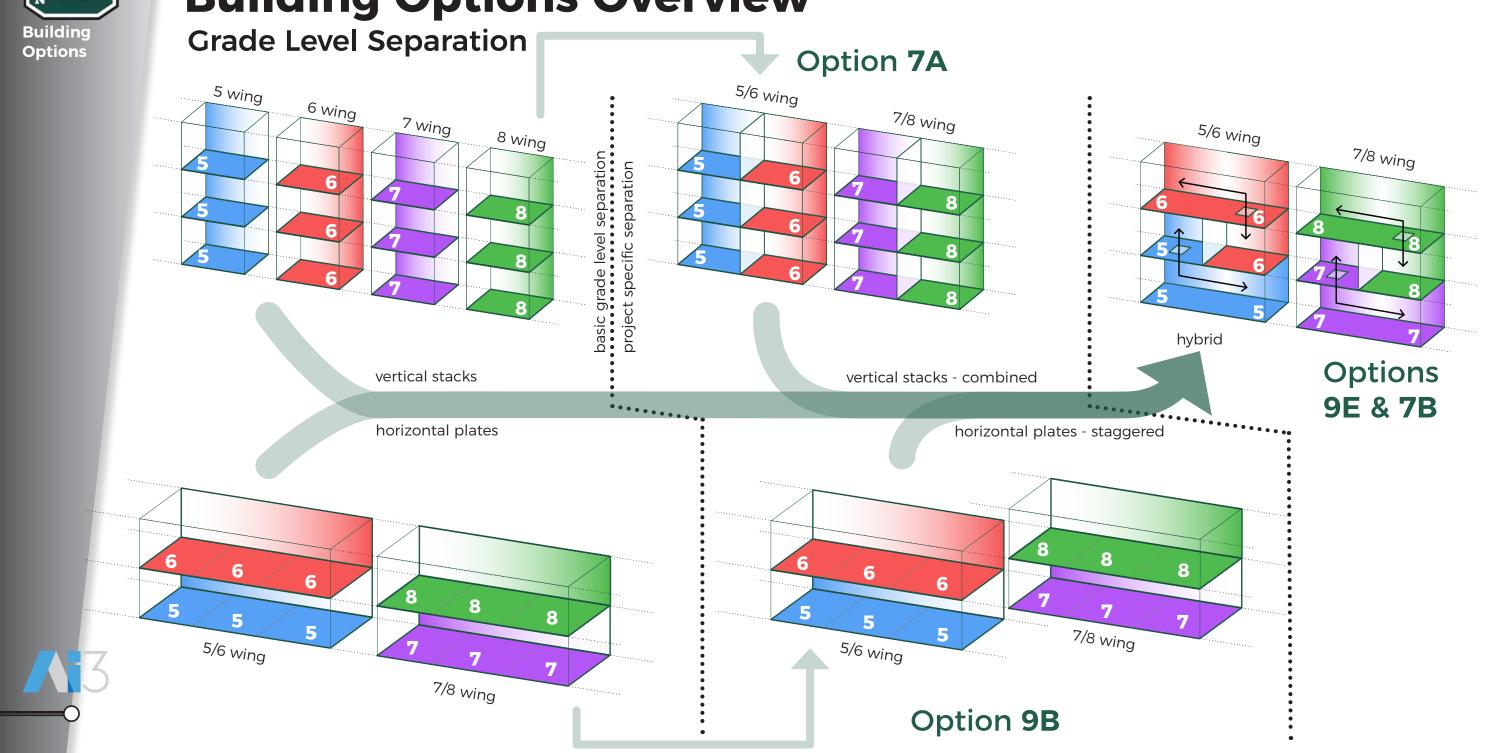
**OPTIONS EVOLVED BASED UPON:** 

weekly working group meetings building committee feedback school committee feedback community forum feedback additional stakeholder feedback



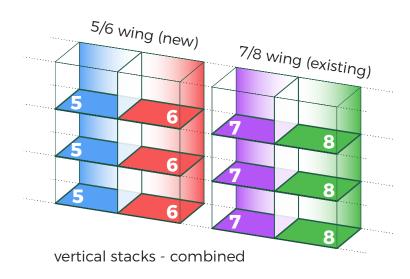


# **Building Options Overview**

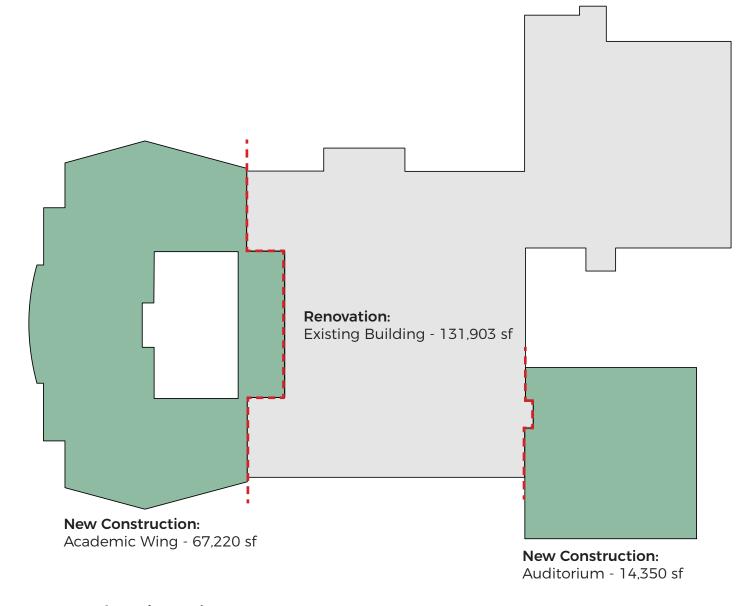




## Minor Addition / Major Renovation



## **Grade Level Separation**



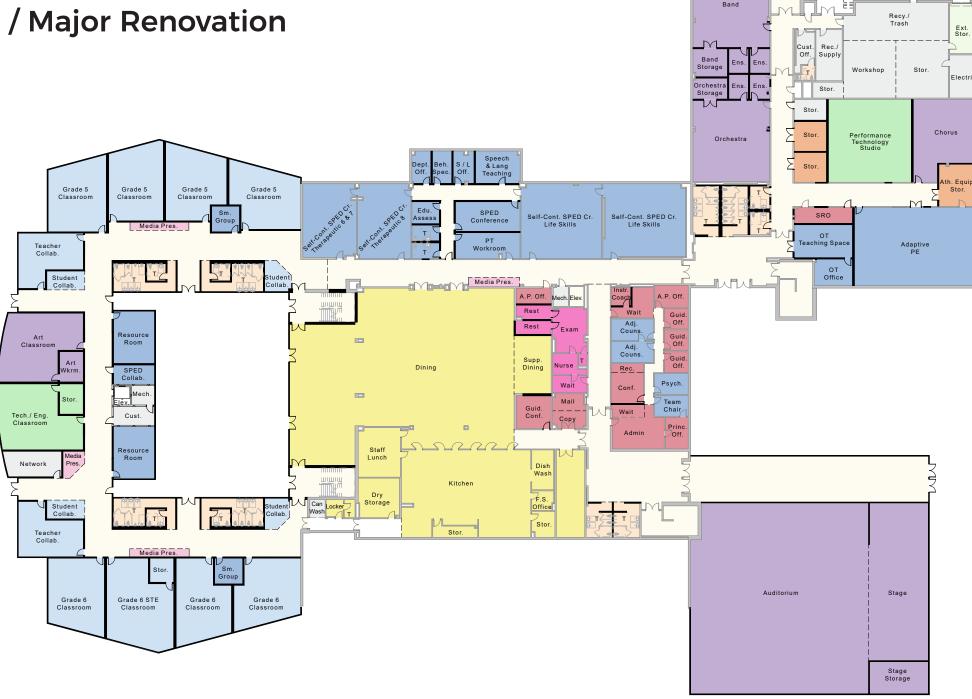
**Total Project Size:** 

213,473 sf





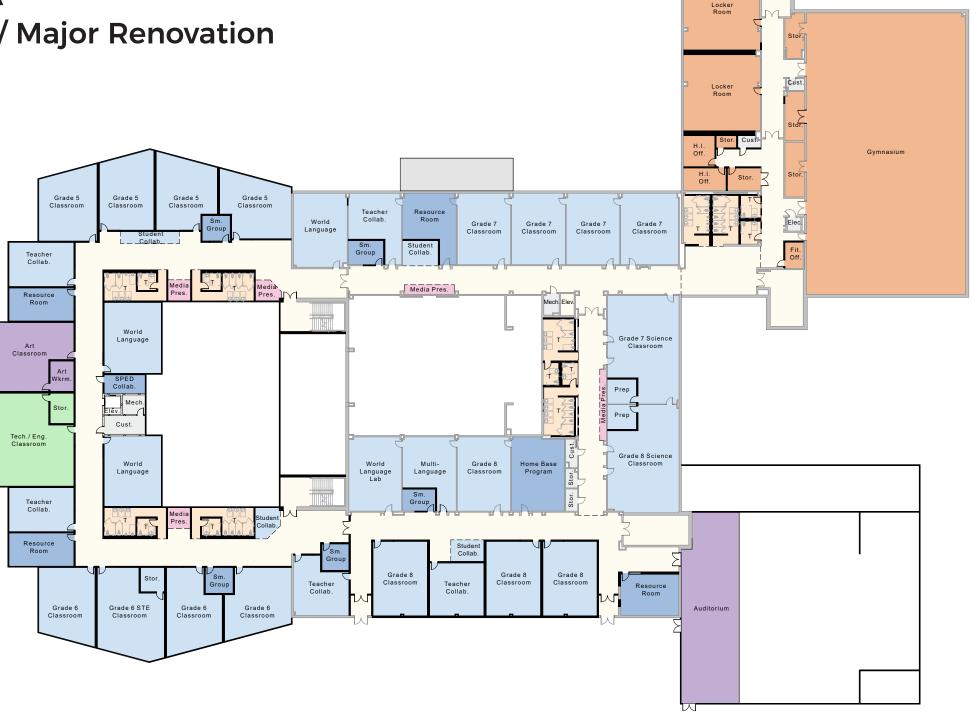
Minor Addition / Major Renovation Floor 1







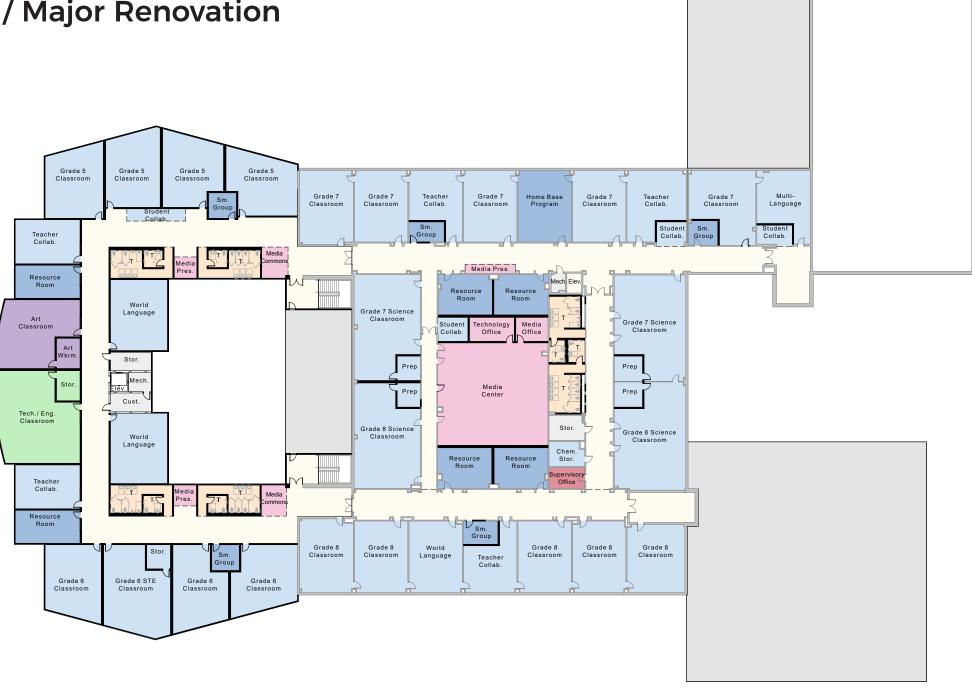
Minor Addition / Major Renovation Floor 2







Minor Addition / Major Renovation Floor 3









## **Preliminary Phasing Diagram - Option 7A**



#### Phase 1a



#### Phase 1a

**Spring 2026:** Contractor mobilization; abate and demolish existing parking lots and accompanying circulation.

#### Phase 1b



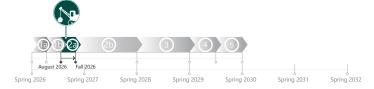


#### Phase 1b

**June 2026:** Creation of new circulation and parking for existing Galvin Middle School.

#### Phase 2a





#### Phase 2a

**August 2026:** Demolish existing preschool, basketball courts, and parking/circulation. Prepare the site for future construction.





## **Preliminary Phasing Diagram - Option 7A**



#### Phase 2b



#### Phase 2b

**Fall 2026:** Begin construction of new 3 story academic wing addition, adjacent parking/circulation, and athletic field.

**Spring 2028:** Substantial completion of 3 story academic wing. Occupancy of new building for 2 grade levels.

#### Phase 3



#### Phase 3

**Spring 2028:** Begin construction of new auditorium addition and new building facade. Begin renovation of existing Galvin Middle School.

**Spring 2029:** Substantial completion of auditorium and facade.

#### Phase 4



#### Phase 4

**Spring 2029:** Begin construction of athletic field, outdoor activity spaces and final site work.

Fall 2029: Complete work on athletic field and outdoor activity space

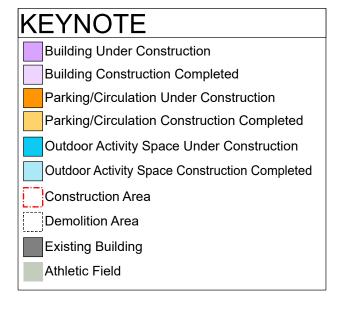


## **Preliminary Phasing Diagram - Option 7A**

Phase 5



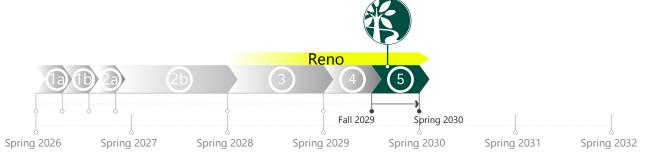




#### Phase 5

Fall 2029 Continued construction of final site work.

**Spring 2030:** Complete site work.





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## **Option 7A - SUMMARY**

Minor Addition / Major Renovation

### **Summary:**

Total Project Size: 213,473 sf Minor Addition: 81.570 sf

Major Renovation: 131,903 sf

Construction duration: 60 months

Estimated Project Cost (DBB): \$215 mil Estimated Project Cost (CMr): \$225 mil

## **Advantages:**

Provides correct quantity of program spaces
Allows for 5th grade to move to GMS
Clearly defined grade configuration between 5/6 and 7/8
large footprint/roof area for possible photovoltaic arrays (PV Panels)

### **Obstacles:**

Large % of program spaces are undersized
Building organization does not support grade level teaming

- primarily at the 7/8 grade level

Long construction duration with phased occupancy required

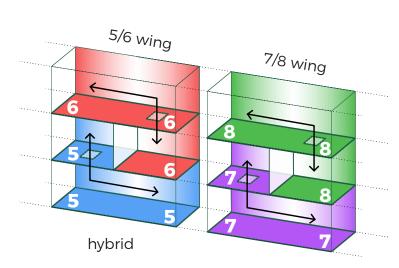
Large building footprint restricts site usage Some windowless classrooms remain

1.5 court gymnasium

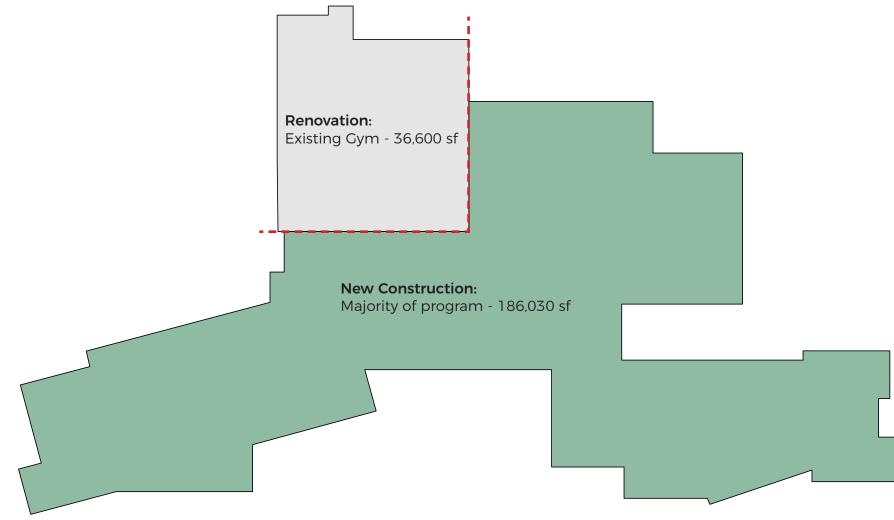




## Major Addition / Minor Renovation



## **Grade Level Separation**





**Total Project Size:** 

222,630 sf



Major Addition / Minor Renovation

Language

Floor 1







Major Addition /
Minor Renovation

Floor 2



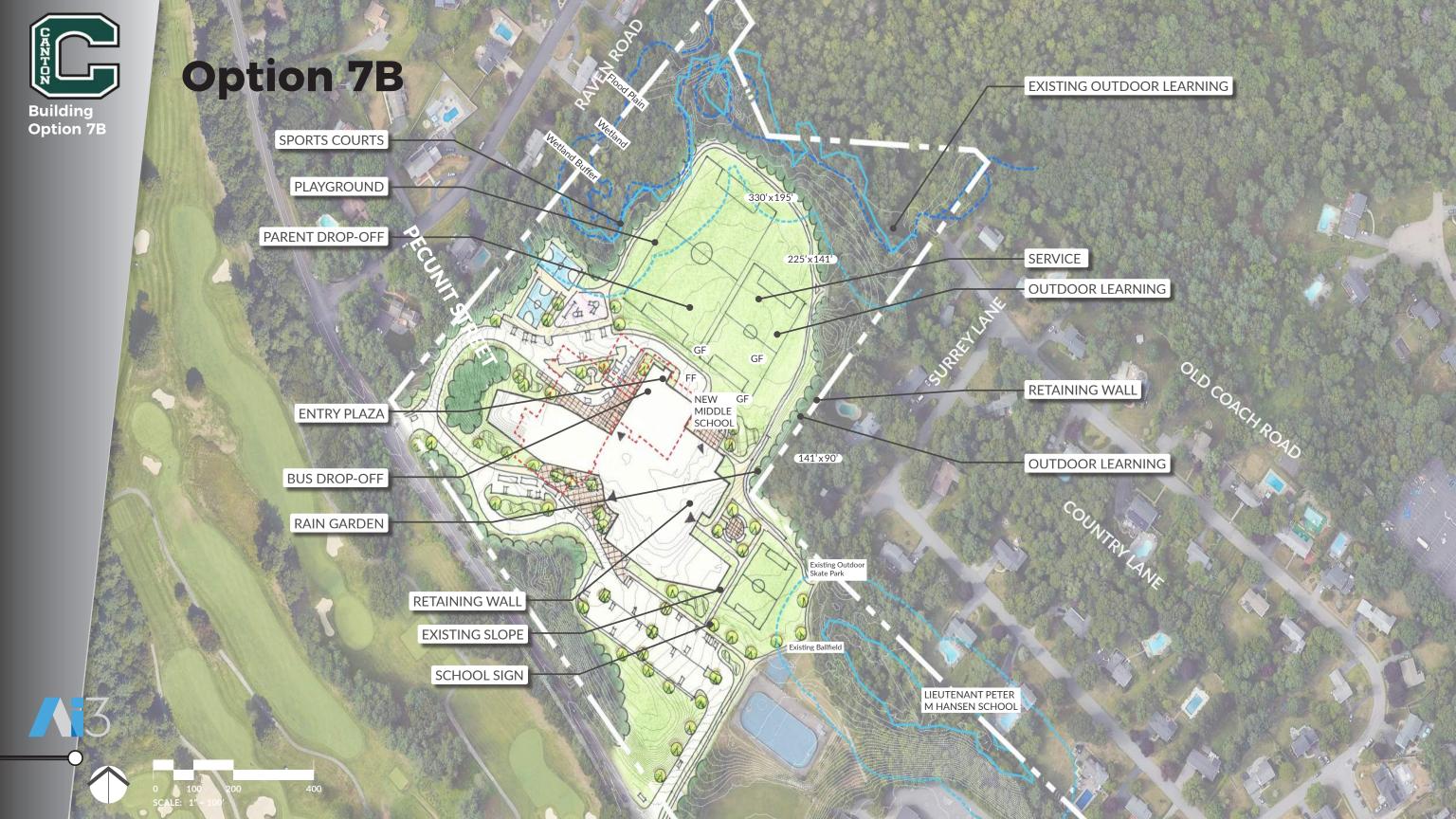




Major Addition / Minor Renovation Floor 3









## **Preliminary Phasing Diagram - Option 7B**



#### Phase 1

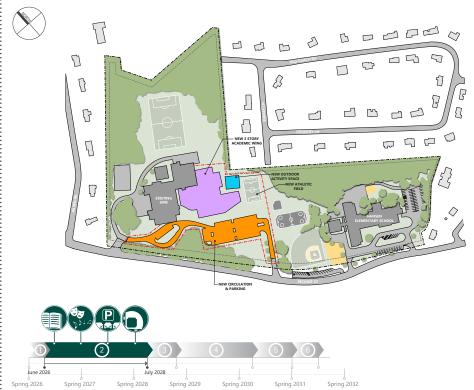




#### Phase 1

**Spring 2026:** Contractor mobilization; abate and demolish parking/circulation, small athletic field and associated equipment. Prepare site for new construction.

#### Phase 2



#### Phase 2

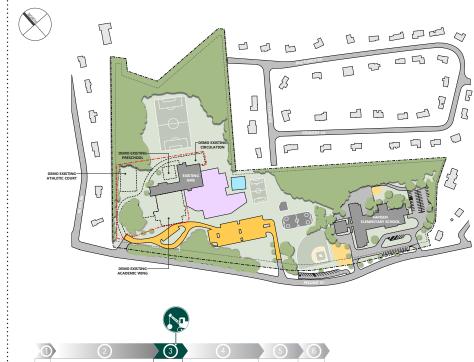
**June 2026:** Begin construction of new parking/circulation, 3 story academic wing with student commons and auditorium, outdoor activity space, and athletic field.

**August 2026:** Substantial completion of new parking/circulation, outdoor activity space, and athletic space.

June 2028: Substantial completion of 3 story school.

August 2028: Occupancy of new building for 2 grade levels.

#### Phase 3



#### Phase 3

**July 2028:** Demolition of portion of existing Galvin Middle School academic wing, preschool, outdoor activity space and associated parking & circulation.

Temporary shore existing building to remain occupied - cut, cap, and make safe all utilities and install temporary exterior cladding.



## **Preliminary Phasing Diagram - Option 7B**

### Phase 4



#### Phase 4

**February 2029:** Begin construction new 3 story academic wing.

June 2030: Substantial completion new academic wing.

**August 2030:** Occupancy of new building for 2 grade levels.

#### Phase 5



#### Phase 5

**June 2030:** Demolish existing academic wing. Demolish existing athletic field and begin construction on new athletic fields. Begin renovation of existing gymnasium.

**June 2031:** Prepare site for construction. Completion of new athletic field.

# Building Under Construction Building Construction Completed Parking/Circulation Under Construction Parking/Circulation Construction Completed Outdoor Activity Space Under Construction Outdoor Activity Space Construction Completed Construction Area Demolition Area Existing Building Athletic Field



## **Preliminary Phasing Diagram - Option 7B**

Phase 6



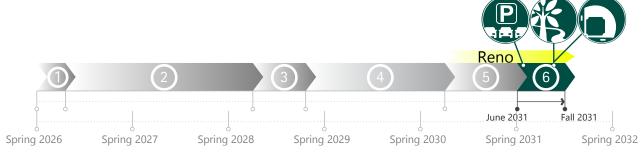




#### Phase 6

**June 2031:** Construct new entry vestibule, associated parking/circulation, and outdoor activity space. Begin work on final site improvements.

Fall 2031: Complete site work and renovation of gymnasium.



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## **Option 7B - SUMMARY**

Major Addition / Minor Renovation

### **Summary:**

Total Project Size: 222,630 sf

Minor Addition: 36,600 sf

Major Renovation: 186,030 sf

Construction duration: 64 months

Estimated Project Cost (DBB): \$235 mil Estimated Project Cost (CMr): \$248 mil

## **Advantages:**

Provides correct quantity and size of program spaces (minus gym)

Allows for 5th grade to move to GMS

Grade level teaming and collaboration is supported in organization

Clearly defined grade configuration between 5/6 and 7/8

Easily identifiable entry point

Academic core oriented to maximize solar benefits and reduce glare

### Obstacles:

Long construction duration with phased occupancy required

- temporary partitions required

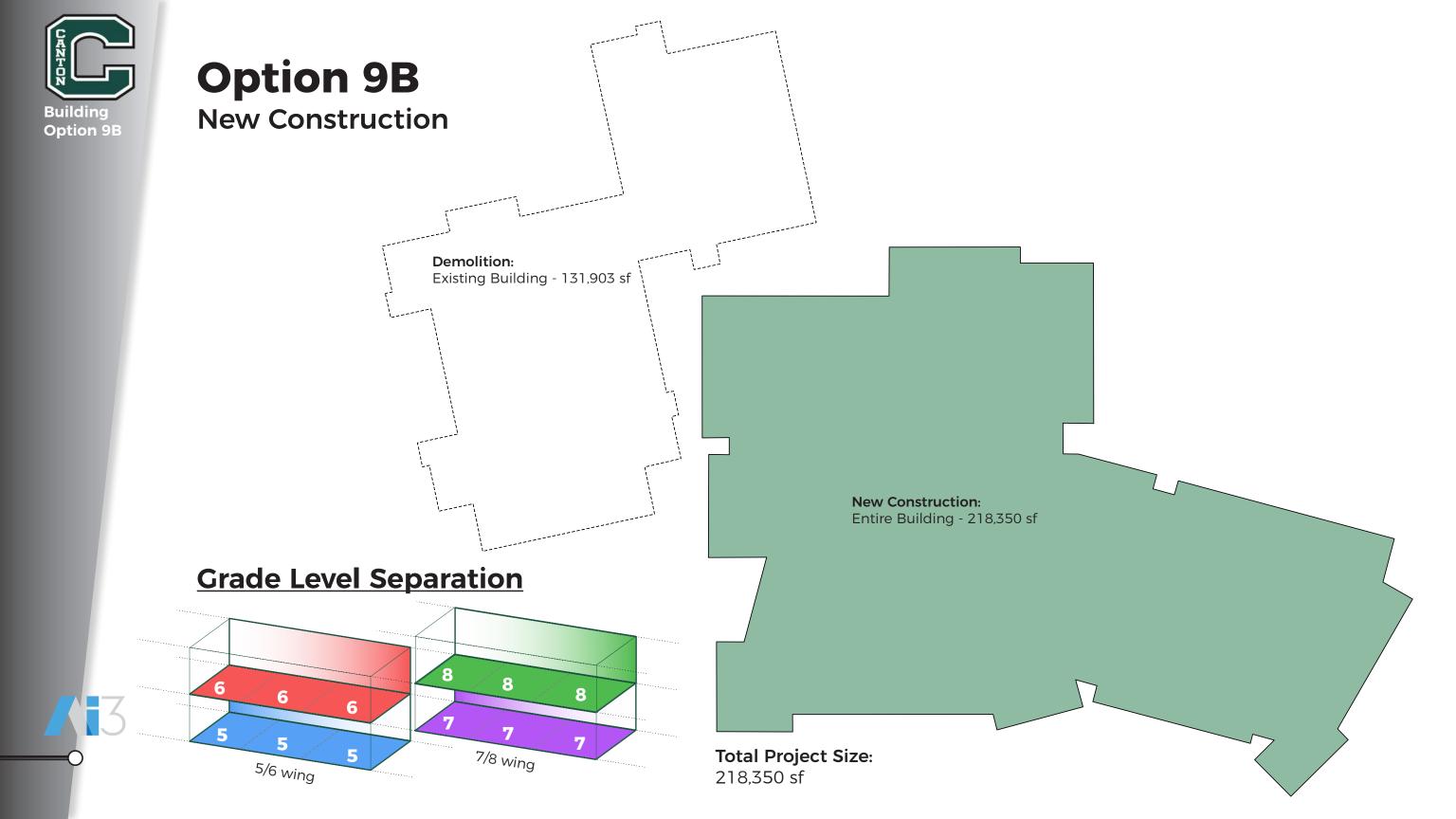
Footprint location isolates site access to rear field

1.5 court gymnasium

public access to the auditorium is not ideal

small footprint/roof area for possible photovoltaic arrays (PV Panels)







# **Option 9B**

New Construction Floor 1







# **Option 9B**







# **Option 9B**









# **Preliminary Phasing Diagram - Option 9B**

#### Phase 1





#### Phase 1

**Spring 2026:** Contractor mobilization; construct temporary parking areas for existing Galvin Middle School.

**June 2026:** Demolish existing parking/circulation and existing athletic field with associated equipment. Prepare site for new construction.

#### Phase 2



#### Phase 2

June 2026: Begin construction of new 3 story school.

June 2028: Substantial completion of 3 story school.

August 2028: Occupancy of new building.

# Building Under Construction Building Construction Completed Parking/Circulation Under Construction Parking/Circulation Construction Completed Outdoor Activity Space Under Construction Outdoor Activity Space Construction Completed Construction Area Existing Building Athletic Field



# **Preliminary Phasing Diagram - Option 9B**

# Spring 2026 Spring 2027 Spring 2028 Spring 2029 Spring 2030 Spring 2031 Spring 2032

#### Phase 3

**July 2028:** Demolition of existing Galvin Middle School, preschool, associated parking/circulation, and athletic field.

Fall 2028: Completion of demolition.

#### Phase 4



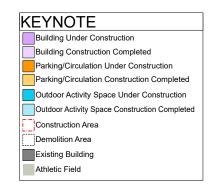
#### Phase 4

**September 2028:** Begin construction of new auditorium and gymnasium.

**Fall 2028:** Begin construction of athletic fields, outdoor activity spaces, and parking/circulation.

June 2029: Substantial completion of auditorium/gymnasium.

Fall 2029: Full occupancy of new building.





# **Preliminary Phasing Diagram - Option 9B**

Phase 5







#### Phase 5

Fall 2029: Begin final site work.

**Spring 2030:** Complete site work.





## **Option 9B - SUMMARY**

**New Construction** 

**Summary:** 

Total Project Size: 218,350 sf

Construction duration: 48 months

Estimated Project Cost (DBB): \$225 mil Estimated Project Cost (CMr): \$237 mil

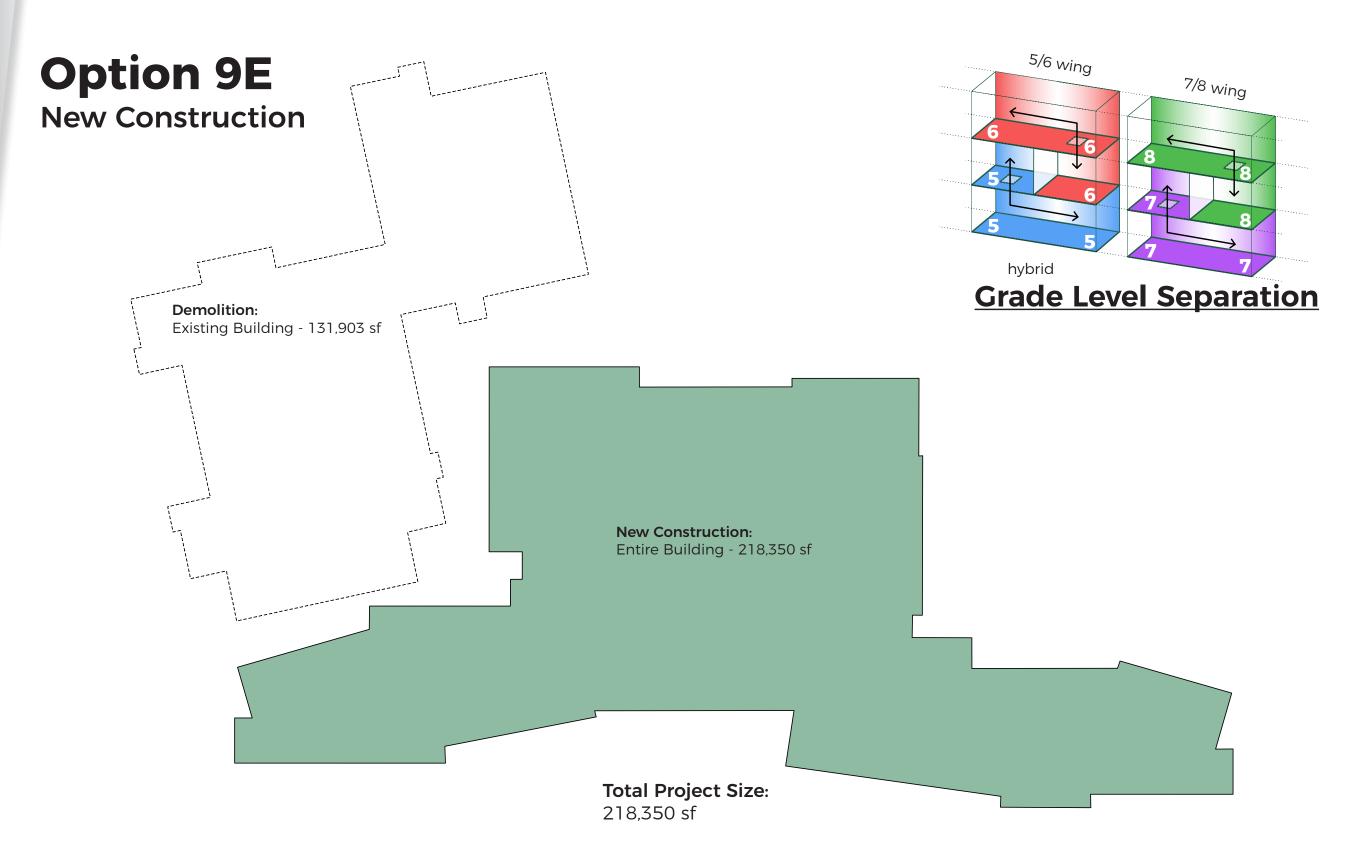
**Advantages:** 

Provides correct quantity and size of program spaces Allows for 5th grade to move to GMS Clearly defined grade configuration between 5/6 and 7/8 Grade level teaming and collaboration is supported in organization All new construction limiting existing building unknowns large footprint/roof area for possible photovoltaic arrays (PV Panels)

**Obstacles:** 

large footprint limiting open space & site access opportunities expansive footprint to support single floor grade level configuration limits daylight opportunities to interior spaces Phased construction with some temporary partitions Academic core not conducive to solar orientation benefits





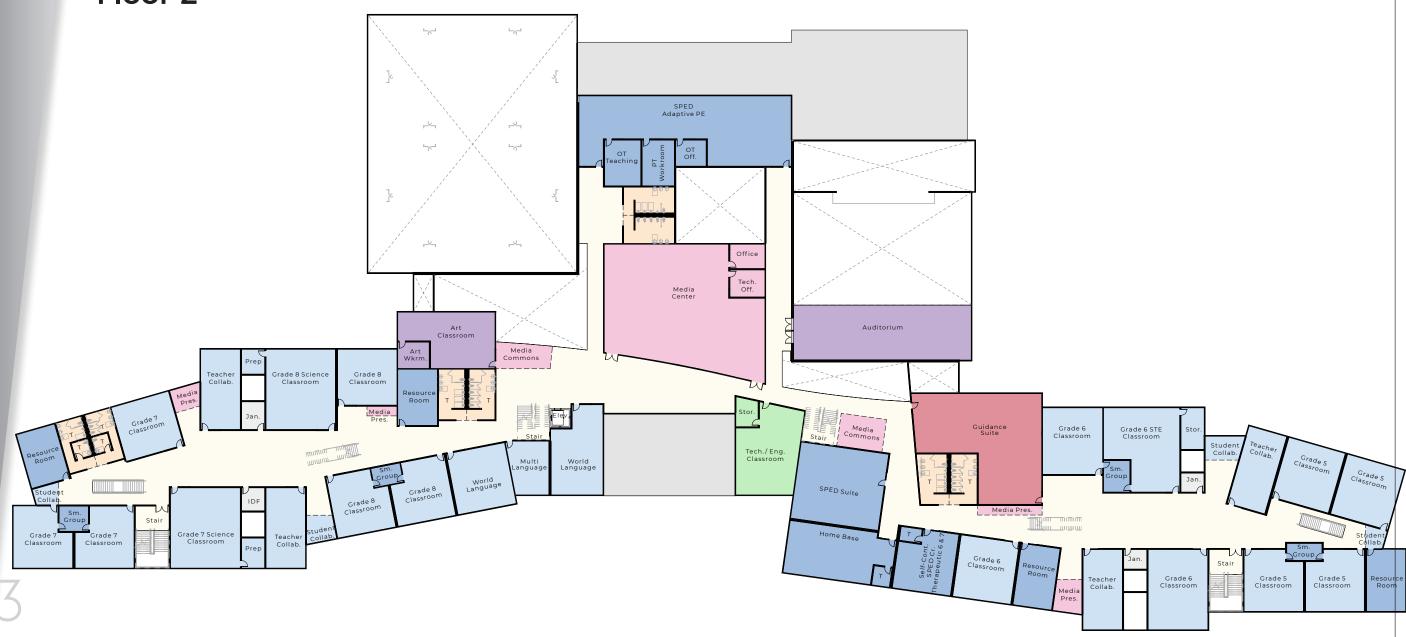


# **Option 9E**





# **Option 9E**





# **Option 9E**







# **Preliminary Phasing Diagram - Option 9E**

#### Phase 1





#### Phase 1

**Spring 2026:** Contractor mobilization; construct temporary parking areas for existing Galvin Middle School.

**June 2026:** Demolish existing parking/circulation, existing hockey rink and existing athletic field with associated equipment. Prepare site for new construction.

#### Phase 2



#### Phase 2

June 2026: Begin construction of new 3 story school.

June 2028: Substantial completion of 3 story school.

August 2028: Occupancy of new building.

# Building Under Construction Building Construction Completed Parking/Circulation Under Construction Parking/Circulation Construction Completed Outdoor Activity Space Under Construction Outdoor Activity Space Construction Completed Construction Area Demolition Area Existing Building Athletic Field



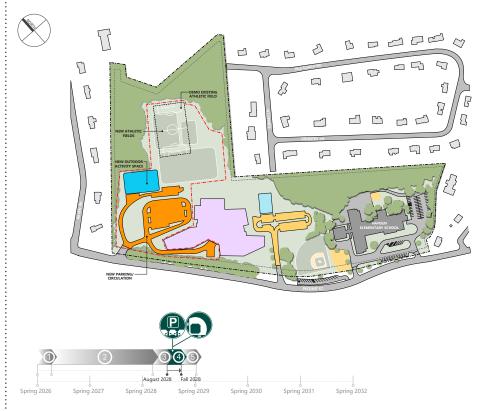
# **Preliminary Phasing Diagram - Option 9E**

# Phase 3

#### Phase 3

**July 2028:** Demolition of existing Galvin Middle School, preschool, and associated parking & circulation.

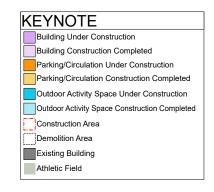
#### Phase 4



#### Phase 4

**June 2028:** Demolish existing athletic field & prepare for new athletic fields. Construct new parking/circulation & outdoor activity space.

**Fall 2028:** Completion of new athletic fields, outdoor activity space, and parking/circulation.



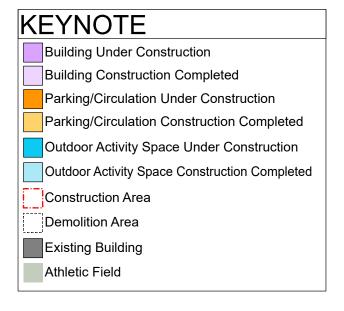


# **Preliminary Phasing Diagram - Option 9E**

Phase 5







#### Phase 5

Fall 2028: Finish construction of new outdoor activity spaces.

**Spring 2029:** Complete site work.







### **Option 9E - SUMMARY**

**New Construction** 

**Summary:** 

Total Project Size: 218,350 sf

Construction duration: 36 months

Estimated Project Cost (DBB): \$220 mil Estimated Project Cost (CMr): \$232 mil

**Advantages:** 

Provides correct quantity and size of program spaces
Allows for 5th grade to move to GMS
smallest footprint maximizing site and open space
Clearly defined grade configuration between 5/6 and 7/8
Grade level teaming and collaboration is supported in organization
All new construction limiting existing building unknowns
Linear footprint to provide daylight opportunities to interior spaces
Academic core oriented to maximize solar benefits and reduce glare

**Obstacles:** 

smallest footprint/roof area for possible roof mounted photovoltaic arrays (PV Panels)







# Cost Estimate Comparison

William H. Galvin Middle School Project - Canton, MA

Add for Sports Field Lighting

(incl. markups)

**Preferred Schematic Report - Comparative Cost Analysis** 

	Base Repair Option Renovation Only  Gross Square Footage: 131,903					
Student Enrollment : 1,020 Students		PM&C		AM Fogarty		Delta
TOTAL DIRECT COSTS	\$	52,631,749	\$	44,454,326	\$	8,177,423
TOTAL ESTIMATED CONSTRUCTION COSTS	\$	87,408,152	\$	76,700,952	\$	10,707,199
Cost/SF	\$	662.67	\$	581.50	\$	81.17
Soft Costs Calculated at 25%	\$	21,852,038	\$	19,175,238	\$	2,676,800
TOTAL ESTIMATED PROJECT COSTS	\$	109,260,190	\$	95,876,191	\$	13,383,999

\*MSBA does not participate in the cost for a Base Repair Option but requires that it be studied to ensure the community understands the current needs (and associated costs) of the existing building.

ALTERNATES			Tor Air Options					
(incl. markups)	Add for Synthetic Turf Field	\$	1,182,820	\$	1,261,265	\$	(78,	

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.

1,450,000 \$

For All Ontions

1,386,000 \$

64,000



# PROJECT APPROVALS Cost Estimate Comparison - CMR



#### William H. Galvin Middle School Project - Canton, MA

January 24, 2024

#### **Preferred Schematic Report - Comparative Cost Analysis**

Cost/S

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.

Student Enrollment: 1,020 Students

TOTAL ESTIMATED CONSTRUCTION COSTS

TOTAL DIRECT COSTS

Soft Costs Calculated at 25%

TOTAL ESTIMATED PROJECT COSTS

	•								
	Addition/Renovation								
Gross Square Footage: 213,473									
	PM&C			AM Fogarty		Delta			
	\$	115,623,895	\$	112,778,172	\$	2,845,723			
	\$	181,485,282	\$	181,082,475	\$	402,807			
F	\$	850.16	\$	848.27	\$	1.89			
	\$	45,371,320	\$	45,270,619	\$	100,702			
			_						

Option 7A

	Option 7B						
	Addition/Renovation						
G	ross Square Footage:		222,630				
	PM&C AM Fogarty Delt		Delta				
\$	122,675,246	\$	123,928,591	\$	(1,253,345)		
\$	192,609,452	\$	198,620,048	\$	(6,010,596)		
\$	865.15	\$	892.15	\$	(27.00)		
\$	48,152,363	\$	49,655,012	\$	(1,502,649)		
\$	240,761,815	\$	248,275,061	\$	(7,513,245)		

Estimated MSBA Reimbursement Rates are for COMPARISON PURPOSED ONLY and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	33%	\$74 M
Estimated Town Share	67%	\$151 M

226,353,093 \$

503,509

226,856,602 \$

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$76 M
Estimated Town Share	69%	\$172 M



# PROJECT APPROVALS Cost Estimate Comparison - CMR



#### William H. Galvin Middle School Project - Canton, MA

January 24, 2024

#### **Preferred Schematic Report - Comparative Cost Analysis**

Cost/

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.

Student Enrollment: 1,020 Students

TOTAL ESTIMATED CONSTRUCTION COSTS

TOTAL DIRECT COSTS

Soft Costs Calculated at 25%

TOTAL ESTIMATED PROJECT COSTS

		Option 55							
t	New Construction								
	(	Gross Square Footage:							
		PM&C	AM Fogarty			Delta			
	\$	117,179,605	\$	122,329,831	\$	(5,150,226)			
	\$	179,075,461	\$	189,895,221	\$	(10,819,759)			
SF	\$	820.13	\$	869.68	\$	(49.55)			
	\$	44,768,865	\$	47,473,805	\$	(2,704,940)			
	\$	223,844,327	\$	237,369,026	\$	(13,524,699)			

Option 9B

Option 9E								
New Construction								
Gross Square Footage: 218,350								
PM&C AM Fogarty				Delta				
\$ 121,948,379	\$	124,631,992	\$	(2,683,613)				
\$ 179,611,565	\$	186,224,907	\$	(6,613,342)				
\$ 822.59	\$	852.87	\$	(30.29)				
\$ 44,902,891	\$	46,556,227	\$	(1,653,336)				
\$ 224,514,456	\$	232,781,134	\$	(8,266,678)				

Estimated MSBA Reimbursement Rates are for COMPARISON PURPOSED ONLY and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$72 M
Estimated Town Share	69%	\$165 M

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$71 M
Estimated Town Share	69%	\$161 M





# Cost Estimate Comparison - CMR

	Option 7A Add/Reno	Option 7B Add/Reno	Option 9B New Construction	Option 9E New Construction
Estimated Construction Costs	\$181 M	\$198 M	\$190 M	\$186 M
	(\$848 / sf)	(\$892 / sf)	(\$869 / sf)	(\$852 / sf)
Estimated Total Project Costs	\$225 M	\$248 M	\$237 M	\$232 M
Estimated	33%	31%	31%	31%
MSBA Share	\$74 M	\$76 M	\$72 M	\$71 M
Estimated	67%	69%	69%	69%
Town Share	\$151 M	\$172 M	\$165 M	\$161 M

Estimated MSBA Reimbursement Rates are **for COMPARISON PURPOSED ONLY** and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

The estimated construction and total project cost provided are **for COMPARISON PURPOSES ONLY**. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.





(6,641,805)

## Cost Estimate Comparison - DBB

The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design Report (SD) phase to inform the Total Project Budget that will be submitted to the MSBA.

Student Enrollment: 1,020 Students

TOTAL ESTIMATED CONSTRUCTION COST

TOTAL DIRECT COSTS

Soft Costs Calculated at 25%

(incl. markups)

TOTAL ESTIMATED PROJECT COSTS

# Option 7A Addition/Renovation Gross Square Footage: 213.473

	213,473						
	PM&C		AM Fogarty		Delta		
	\$	115,623,895	\$	112,778,172	\$	2,845,723	
rs	\$	181,485,282	\$	181,082,475	\$	402,807	
Cost/SF	\$	850.16	\$	848.27	\$	1.89	
	\$	45,371,320	\$	45,270,619	\$	100,702	
	\$	226,856,602	\$	226,353,093	\$	503,509	
	\$	10,875,433	\$	11,317,655	\$	(442,222)	

215,981,170

	Option 7B							
		1						
	Ĭ	Gross Square Footage:		222,630				
		PM&C	AM Fogarty		Delta			
	\$	122,675,246	\$	123,928,591	\$	(1,253,345)		
ı								
ı	\$	192,609,452	\$	198,620,048	\$	(6,010,596)		
ı	\$	865.15	\$	892.15	\$	(27.00)		
ı	\$	48,152,363	\$	49,655,012	\$	(1,502,649)		
	\$	240,761,815	\$	248,275,061	\$	(7,513,245)		
i								
	\$	11,542,313	\$	12,413,753	\$	(871,441)		

Estimated MSBA Reimbursement Rates are for COMPARISON PURPOSED ONLY and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

Deduct for DBB

TOTAL ESTIMATED PROJECT COSTS w/ DBB Delivery Method

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	33%	\$71 M
Estimated Town Share	67%	\$144 M

215,035,439 \$

945,731

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$72 M
Estimated Town Share	69%	\$163 M

235,861,308 \$

229,219,503





The estimated construction and total project cost provided are for COMPARISON PURPOSES ONLY. The estimated costs will be updated at the Schematic Design

will be submitted to the MSBA.

Soft Costs Calculated at 25%

TOTAL ESTIMATED PROJECT COSTS

TOTAL DIRECT COSTS

Student Enrollment: 1,020 Students

TOTAL ESTIMATED CONSTRUCTION COSTS

Report (SD) phase to inform the Total Project Budget that

Cost/SF

Cost Estimate Comparison - DBB

**New Construction** 218,350 Gross Square Footage:

117,179,605

179,075,461 \$

44.768.865 | \$

223.844.327 \$

820.13 \$

PM&C AM Fogarty

Option 9B

122,329,831 \$

189,895,221 \$

47,473,805 \$

237,369,026 \$

869.68 \$

Delta

(5,150,226)

(10,819,759)

(2,704,940)

(13,524,699)

(49.55)

**New Construction** 

Option 9E

218,350 Gross Square Footage: PM&C AM Fogarty Delta 121,948,379 \$ 124,631,992 (2,683,613)

179,611,565 \$ 186,224,907 (6,613,342) 822.59 \$ 852.87 (30.29)

44.902.891 \$ 46.556.227 \$ (1,653,336)224,514,456 \$ 232,781,134 (8,266,678)

10,721,713 \$ 11,868,451 \$ (1,146,739) (incl. markups) Deduct for DBB TOTAL ESTIMATED PROJECT COSTS w/ DBB Delivery Method \$ 213,122,614 \$ 225,500,575 \$ (12,377,960)

\$ 10,728,481	\$ 11,639,057	\$ (910,575)
\$ 213,785,975	\$ 221,142,077	\$ (7,356,102)

Estimated MSBA Reimbursement Rates are for COMPARISON PURPOSED ONLY and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$69 M
Estimated Town Share	69%	\$156 M

	Est. Rate	Est. Share
MSBA Estimated Reimbursement	31%	\$67 M
Estimated Town Share	69%	\$153 M





# Cost Estimate Comparison - DBB

	Option 7A Add/Reno	Option 7B Add/Reno	Option 9B New Construction	Option 9E New Construction
Estimated Construction Costs	\$181 M	<b>\$198 M</b>	\$190 M	\$186 M
	(\$848 / sf)	(\$892 / sf)	(\$869 / sf)	(\$852 / sf)
Estimated Total Project Costs	\$215 M	\$235 M	\$225 M	\$220 M
Estimated	33%	31%	31%	31%
MSBA Share	\$71 M	\$72 M	\$69 M	\$67 M
Estimated	67%	69%	69%	69%
Town Share	\$144 M	\$163 M	\$156 M	\$153 M

Estimated MSBA Reimbursement Rates are **for COMPARISON PURPOSED ONLY** and are subject to change throughout the course of the Feasibility Study. The MSBA agrees to a reimbursement rate (which may be higher or lower than shown here) when they approve the Schematic Design Submission.

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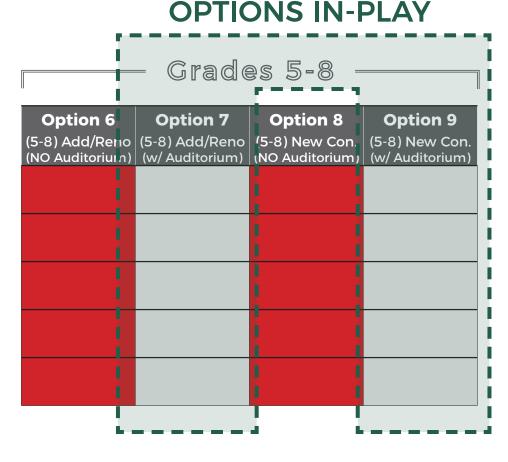


**Building Organization Options** 

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Categories	<b>Option 1</b> Base Repair
Educational Program	
Community & Access	
Construction Phasing	
Sustainability	
Cost	

Option 2	Option 3	Option 4	Option 5				
(6-8) Add/Reno (NO Auditorium)	(6-8) Add/Reno (w/ Auditorium)	(6-8) New Con. (NO Auditorium)	(6-8) New Con. (w/ Auditorium)				





Options no longer relevant based upon School Building Committee and School Committee votes held on Dec. 20, 2023



Options still applicable to the project. (Option 7 & Option 9)





### Ranking Criteria

Categories		Statement - DOES THE OPTION				
Educational	01	provide a sufficient 21st century educational environment for middle school students?				
Program	02	create the necessary adjacencies, program areas, transparency, exhibit space, and other key aspects identified during visioning?				
	03	allow for grade level team teaching and collaboration?				
	04	include the necessary resources for special education and student support?				
	05	provide expanded access to school-based athletic education space and increased formal after-school use?				
	06	have connections to the outdoors and opportunities for outdoor learning?				
Community &	07	optimize community use around the site and improve access to the site?				
Access	08	optimize resources for community use within the building?				
	09	enhance safety and security on site?				
	10	improve service/delivery/custodial access & operations?				
Construction	11	require phased-occupied construction?				
Phasing	12	minimize impact to athletic fields during construction?				
	13	allow for on site parking during construction?				
	14	include adequate space for construction staging?				
	15	minimize construction duration?				
Sustainability	16	provide the most energy efficient solution, thus minimizing long-term operating costs?				
	17	provide the best opportunity for a net-zero energy building design?				
	18	orient academic wings in the most ideal orientation to capitalize on natural daylight?				
Cost	19	maximize the available MSBA grant reimbursement funding?				
	20	maximize utility rebates & incentives?				
	21	satisfy the educational program and spatial requirements cost effectively (no excess)?				
	22	avoid the need to immediately fund a future elementary school building project				
	23	provide the highest potential success at both the Town Meeting vote & ballot vote?				



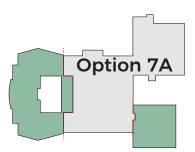


#### **Building Organization Options**



**Option 9E Option 7A Option 7B Option 9B** Minor Add / Major Add / **New Construction New Construction** Major Reno Minor Reno Horizontal Vertical 60 months 64 months 48 months 36 months \$215-225 mil \$235-248 mil \$225-237 mil \$220-232 mil

Grades 5-8



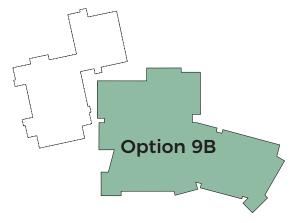
Renovation: 131,903 sf New Construction: 81,570 sf

**Total Project Size:** 213,473 sf



Renovation: 36,600 sf New Construction: 186,030 sf

**Total Project Size:** 222.630 sf



**Demolition**: 131,903 sf **New Construction**: 218,350 sf

**Total Project Size:** 218,350 sf



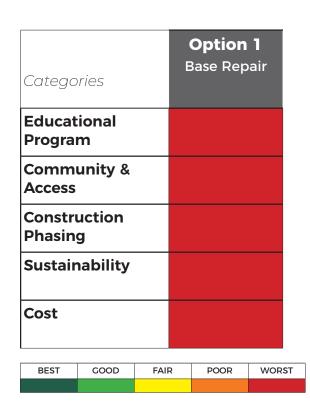
**Demolition:** 131,903 sf **New Construction:** 218,350 sf

**Total Project Size:** 218,350 sf





#### **Building Organization Options**



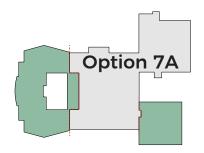
<b>Option 7A</b> Minor Add / Major Reno	<b>Option 7B</b> Major Add / Minor Reno	Option 9B  New Construction  Horizontal	Option 9E New Construction Vertical
60 months	64 months	48 months	36 months
\$215-225 mil	\$235-248 mil	\$225-237 mil	\$220-232 mil

Grades 5-8

#### **Public Comment**

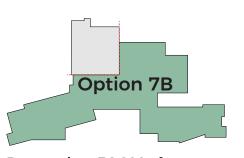
#### **Suggested Vote:**

The School Building
Committee would like
to proceed with Option
\_\_\_\_ as the preferred
option to be further
developed during the
schematic design phase.



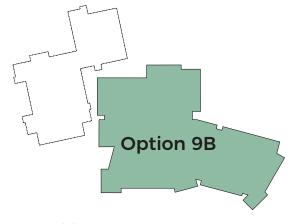
Renovation: 131,903 sf New Construction: 81,570 sf

**Total Project Size**: 213.473 sf



Renovation: 36,600 sf New Construction: 186,030 sf

**Total Project Size:** 222.630 sf



**Demolition:** 131,903 sf **New Construction:** 218,350 sf

**Total Project Size:** 218,350 sf



**Demolition:** 131,903 sf **New Construction:** 218,350 sf

**Total Project Size:** 218,350 sf





## **Preferred Schematic Report (PSR)**

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School Building Committee Agendas & Minutes

School Committee Agendas & Minutes

#### **APPENDIX**

Educational Program - Redlined Copy

VOTE to submit the Preferred Schematic Report (PSR) to the MSBA





# Next SBC Meetings: February?

# Next SC Meeting: February 1

#### Upcoming Agenda items Th

Through June 2024

- ☐ Project Team will further develop preferred option and convey progress to the SBC
- ☐ Project Team will gather additional feedback from all stakeholders and incorporate comments into the design process