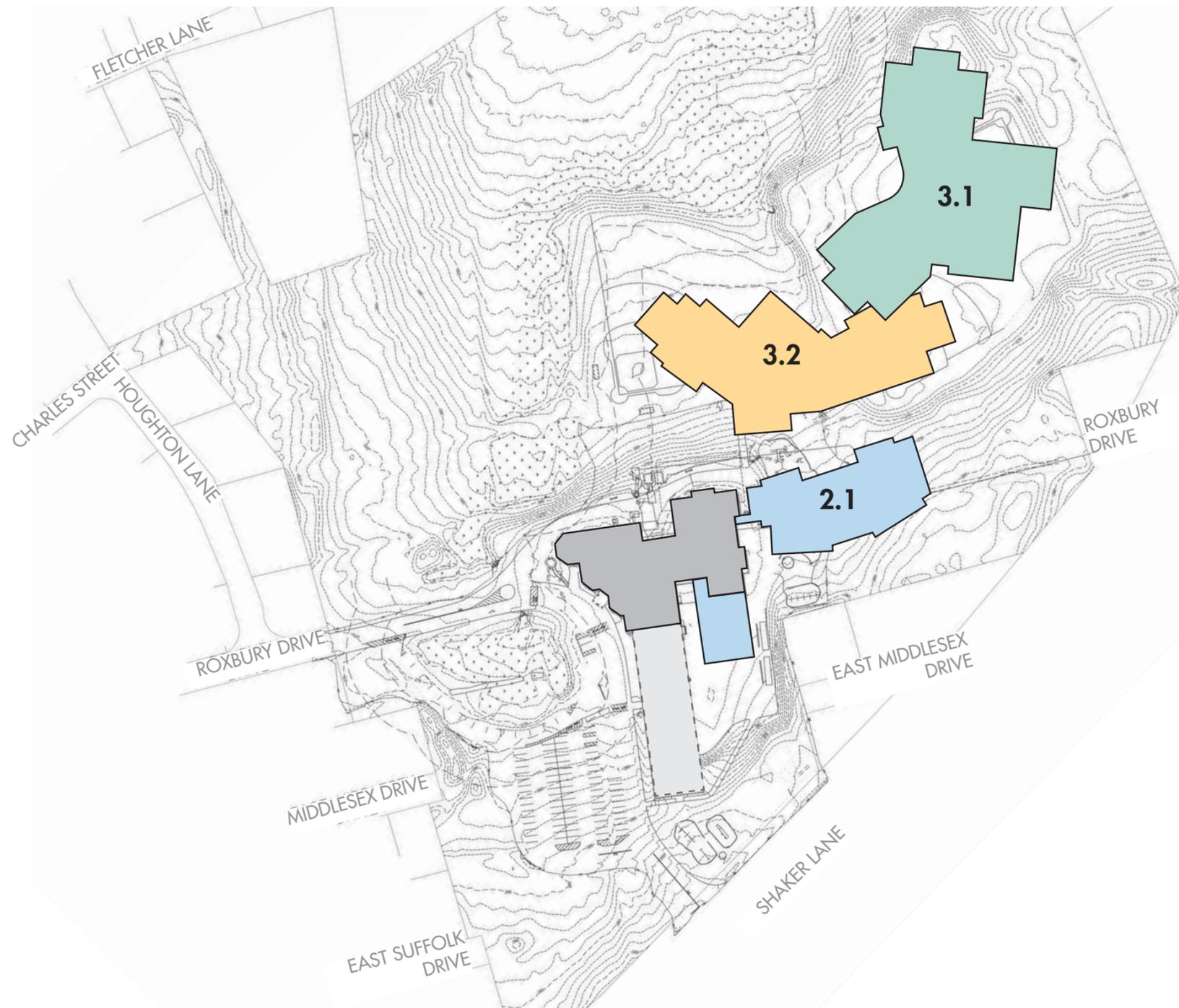


Design Agenda

1. Design Update
2. Cost Estimates Update
3. Special Town Meeting Outline



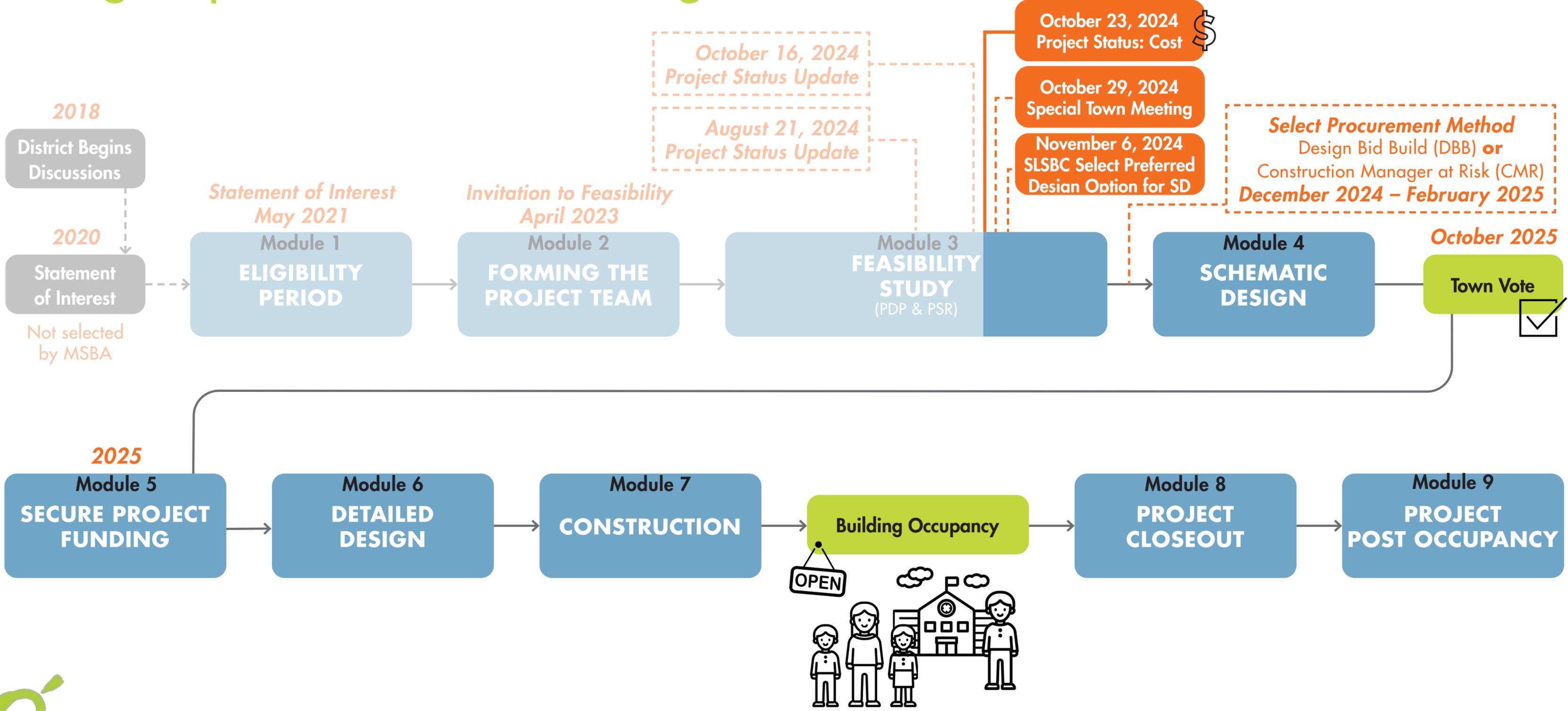
**School Building Committee Meeting
Joined by: Finance Committee,
Select Board, & School Committee**

Project Goals

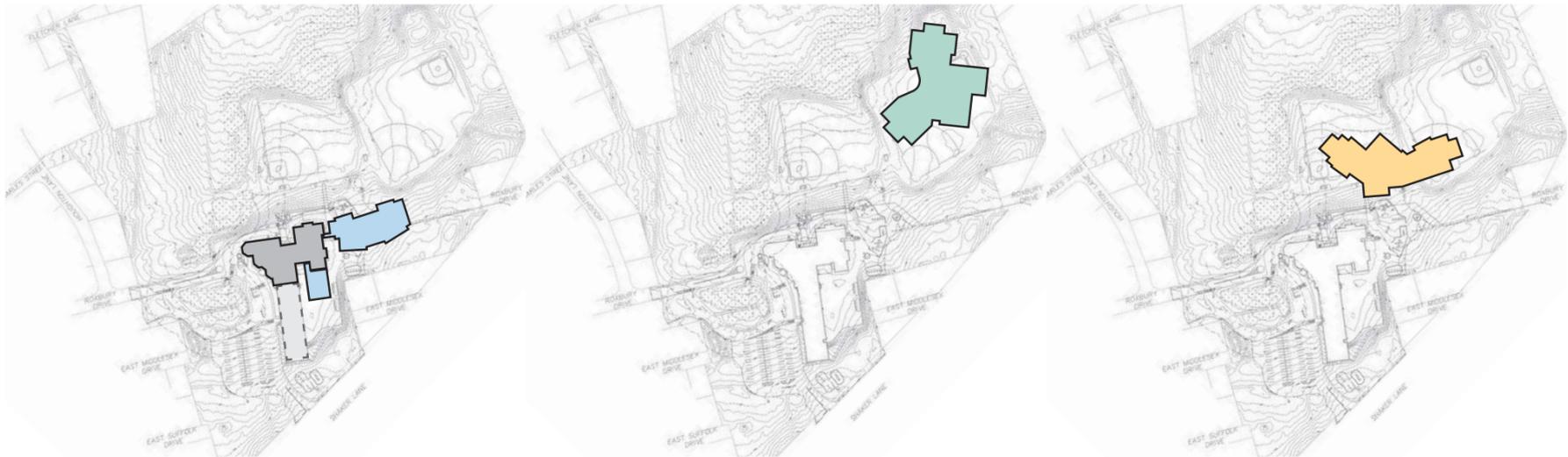
- Respond to the Educational Program to provide **integration** of Unified Arts and Social Emotional Learning programs, and support the concept of **Learning Everywhere**
- Provide spaces that can be shared with Littleton residents to increase value and utility, and to **build community**, incorporating elements of local history and community values in the design.
- Create a **healthy, safe and secure** environment
- **Maximize flexibility and adaptability** to support a broad variety of learning experiences, and to evolve over time to **accommodate future needs**
- Use cost-effective design strategies to **maximize value**, for construction costs and life-cycle costs
- Incorporate **sustainable** technologies, energy efficiency, and environmentally-friendly practices
- Create a Universally Designed building to **maximize inclusion** and accessibility



Design Update: MSBA Building Process for the New Shaker Lane



Design Update



	EXISTING SLS	MSBA GUIDELINES	INITIAL PROGRAM	OPTION 2.1: ADD / RENO 7/17/24 SCORE: 70.00	OPTION 3.1: UPPER FIELD 7/17/24 SCORE: 88.15	OPTION 3.2: LOWER FIELD 7/17/24 SCORE: 69.55
Net Square Foot (NSF) Total	41,124	49,231	69,251	63,233	64,871	64,871
GROSS SQUARE FOOT (GSF) TOTAL	60,790 <small>Includes several corridors and closets being used as program spaces</small>	73,845 <small>Does not include Pre-K or Special Education Spaces (approx. 86,000)</small>	103,876 <small>From August 21, 2024</small>	94,850 max <small>Some existing spaces to remain are undersized (below MSBA guidelines)</small>	97,307 max	97,307 max



Space Summary Review

ROOM TYPE	EXISTING SHAKER LANE AREA SF	MSBA GUIDELINES	NEW SHAKER LANE AREA SF	UNIQUE SCOPE REQUIRED FOR SHAKER LANE EDUCATION PLAN
STUDENTS	446	435	435 + PRE-K	
Core Academics	21,010	21,950	26,950	<ul style="list-style-type: none"> • Additional classroom for consistency in Grades 1 & 2 • Academic support specialist offices • "Imagatorium" STEM spaces • Extended learning "Dens"
Special Education	4,124	4,530*	10,920	<ul style="list-style-type: none"> • Support room for each grade • Small group rooms for push-in instruction • ELL classroom • OT/PT & Adaptive PE rooms • Clinical support specialist offices • Special Ed conference room
Arts & Music	1,305	2,575	2,350	
Health & Physical Education	2,828	6,300	6,300	
Media Center	1,614	2,628	2,628	
Dining & Food Service	4,802	6,552	6,763	<ul style="list-style-type: none"> • Collaborative Staff Room
Medical	502	510	590	<ul style="list-style-type: none"> • Second Toilet with Changing Table
Administration & Guidance	1,296	2,151	2,310	<ul style="list-style-type: none"> • Teacher Work Room
Custodial & Maintenance	715	2,035	1,660	
Pre-K & Other	2,928	0**	4,700	<ul style="list-style-type: none"> • Four Pre-K classrooms
Net Total	41,124	49,230	64,871	
GROSS TOTAL	60,790	73,845	97,307	

~86,000***

* MSBA guidelines do not include district-specific Special Ed spaces
 ** MSBA guidelines do not include Pre-K spaces
 *** Adjusted size if SLS Special Ed and Pre-K spaces are included



Space Summary Review

VISUAL COMPARISONS

SLS EXISTING MSBA GUIDELINES SLS PROPOSED

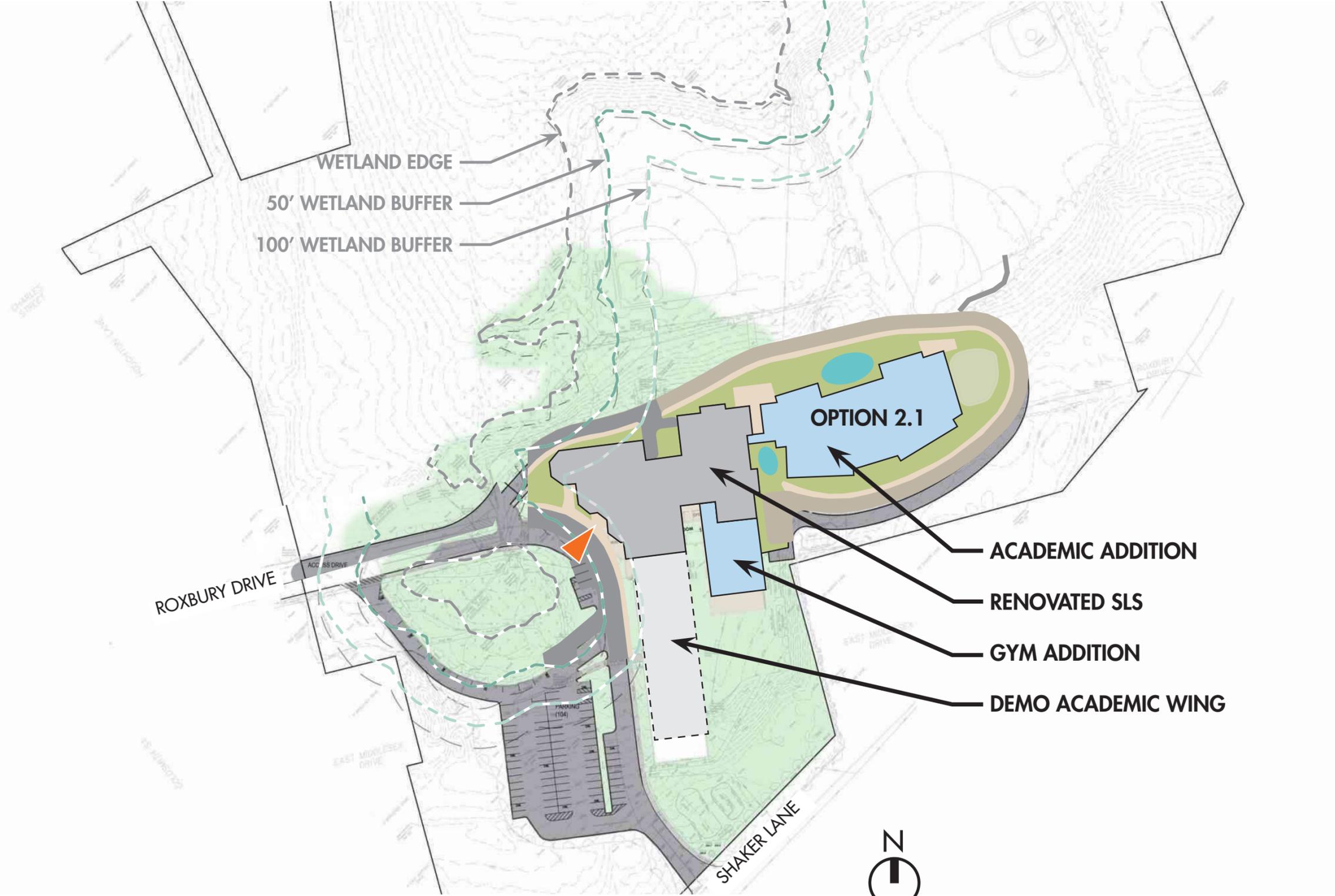


ROOM TYPE	EXISTING SHAKER LANE AREA SF	MSBA GUIDELINES	NEW SHAKER LANE AREA SF	UNIQUE SCOPE REQUIRED FOR SHAKER LANE EDUCATION PLAN
STUDENTS	446	435	483-495	
Core Academics	21,010	21,950	26,950	<ul style="list-style-type: none"> • Additional classroom for consistency in Grades 1 & 2 • Academic support specialist offices • "Imagatorium" STEM spaces • Extended learning "Dens"
Special Education	4,124	4,530*	10,920	<ul style="list-style-type: none"> • Support room for each grade • Small group rooms for push-in instruction • ELL classroom • OT/PT & Adaptive PE rooms • Clinical support specialist offices • Special Ed conference room
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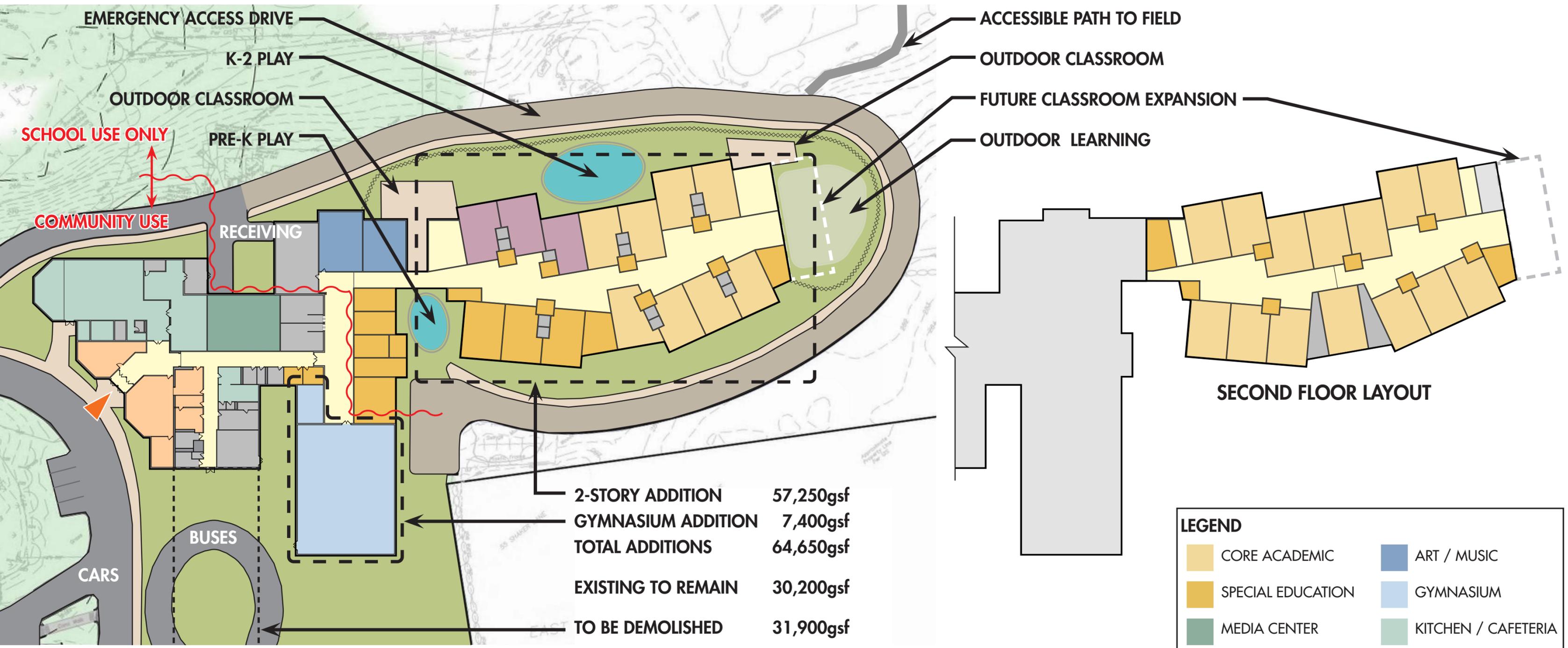
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* MSBA guidelines do not include district-specific Special Ed spaces
 ** MSBA guidelines do not include Pre-K spaces
 *** Adjusted size if SLS Special Ed and Pre-K spaces are included

Design Update: Option 2.1 – Addition / Renovation East 94,850gsf max



Design Update: Option 2.1 – Addition / Renovation East 94,850gsf max



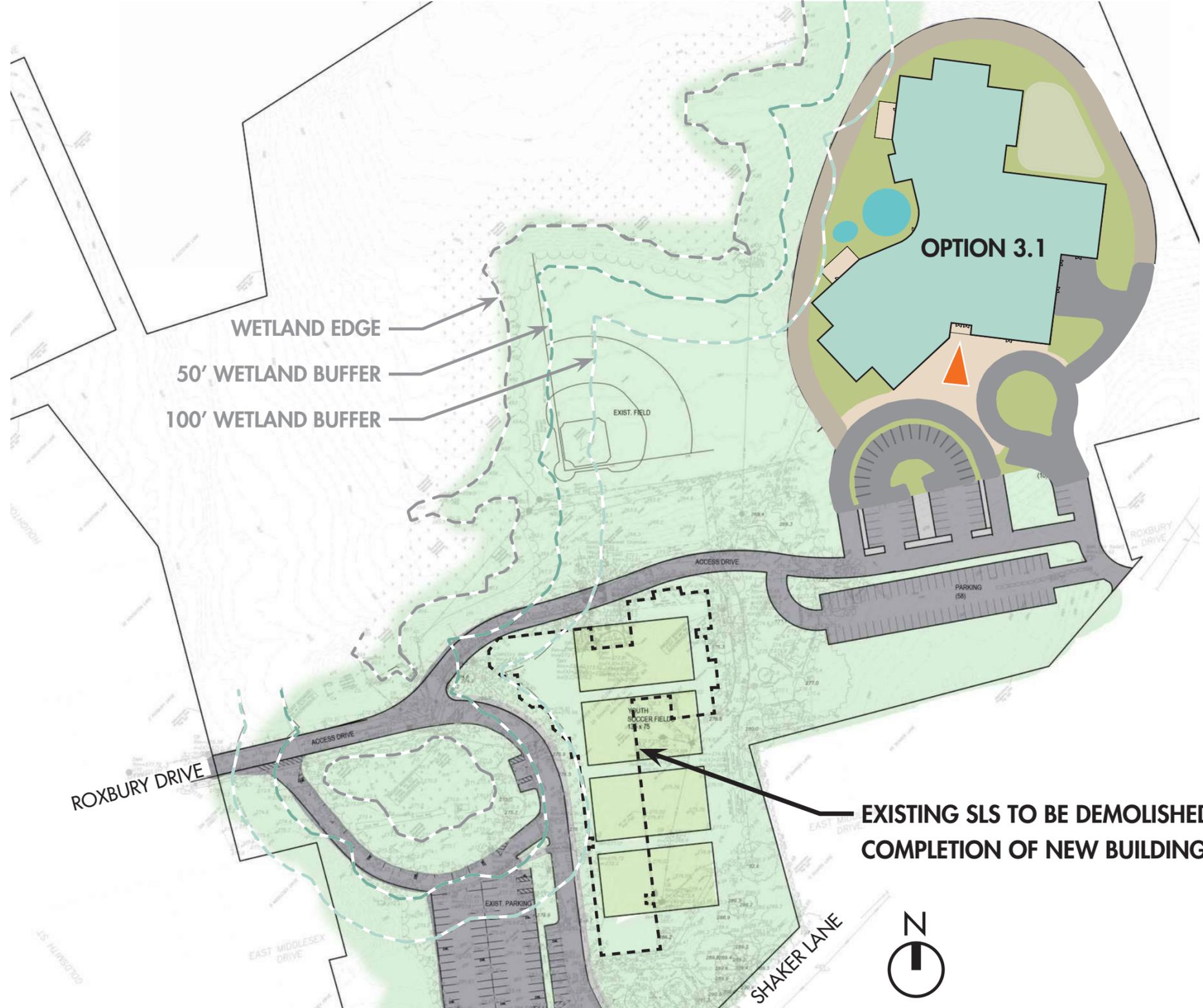
2-STORY ADDITION	57,250gsf
GYMNASIUM ADDITION	7,400gsf
TOTAL ADDITIONS	64,650gsf
EXISTING TO REMAIN	30,200gsf
TO BE DEMOLISHED	31,900gsf

LEGEND

 CORE ACADEMIC	 ART / MUSIC
 SPECIAL EDUCATION	 GYMNASIUM
 MEDIA CENTER	 KITCHEN / CAFETERIA
 ADMINISTRATION	 CIRCULATION
 BUILDING SERVICES	 PRE-K

Design Update: Option 3.1 – Upper Field

97,307gsf max

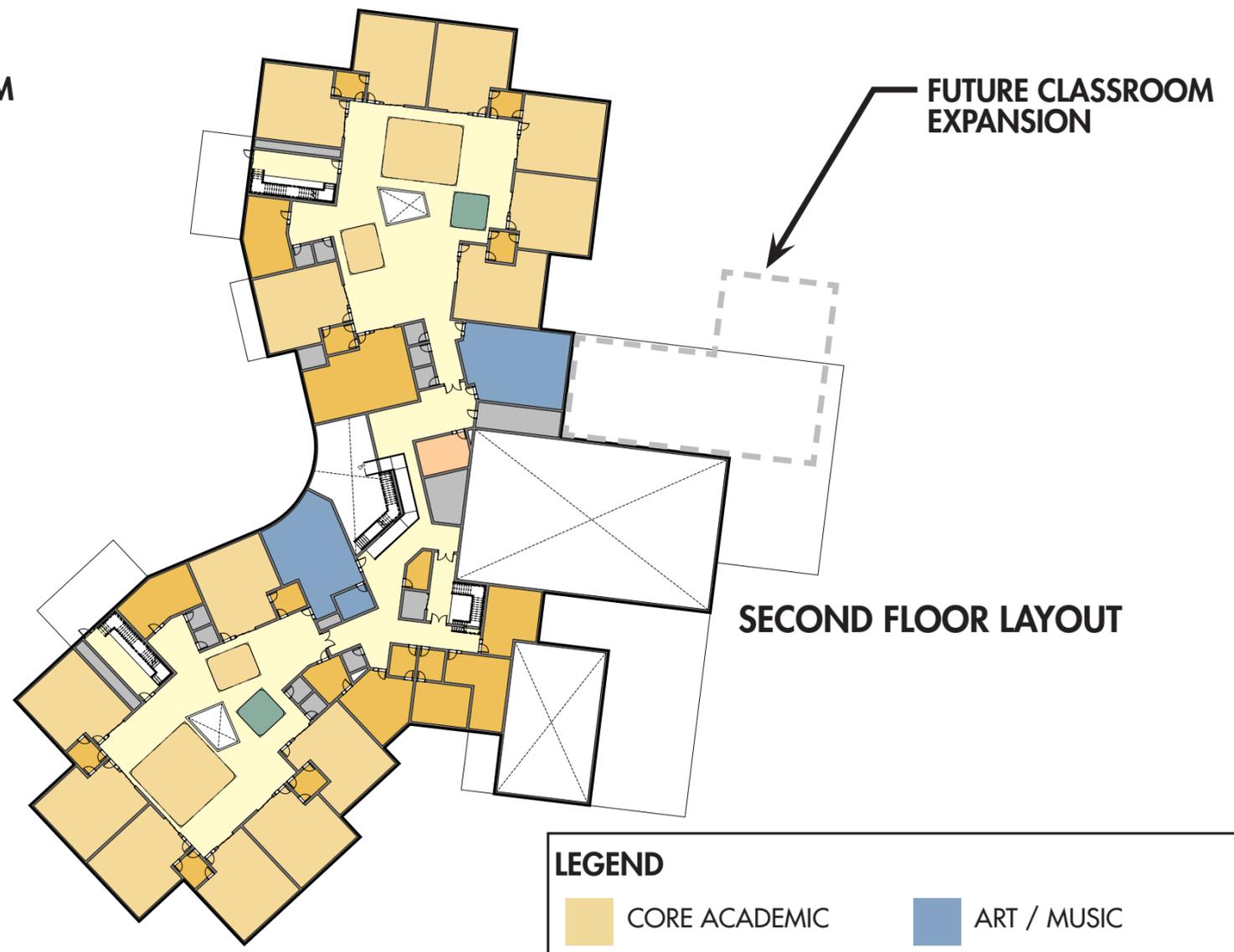


October 23, 2024
Shaker Lane School Project

School Building Committee Joint Meeting

Design Update: Option 3.1 – Upper Field

97,307gsf max



LEGEND

 CORE ACADEMIC	 ART / MUSIC
 SPECIAL EDUCATION	 GYMNASIUM
 MEDIA CENTER	 KITCHEN / CAFETERIA
 ADMINISTRATION	 CIRCULATION
 BUILDING SERVICES	 PRE-K



October 23, 2024
Shaker Lane School Project

School Building Committee Joint Meeting

*Floor plans are conceptual and subject to further refinements

Design Update: Option 3.2 – Lower Field

97,307gsf max

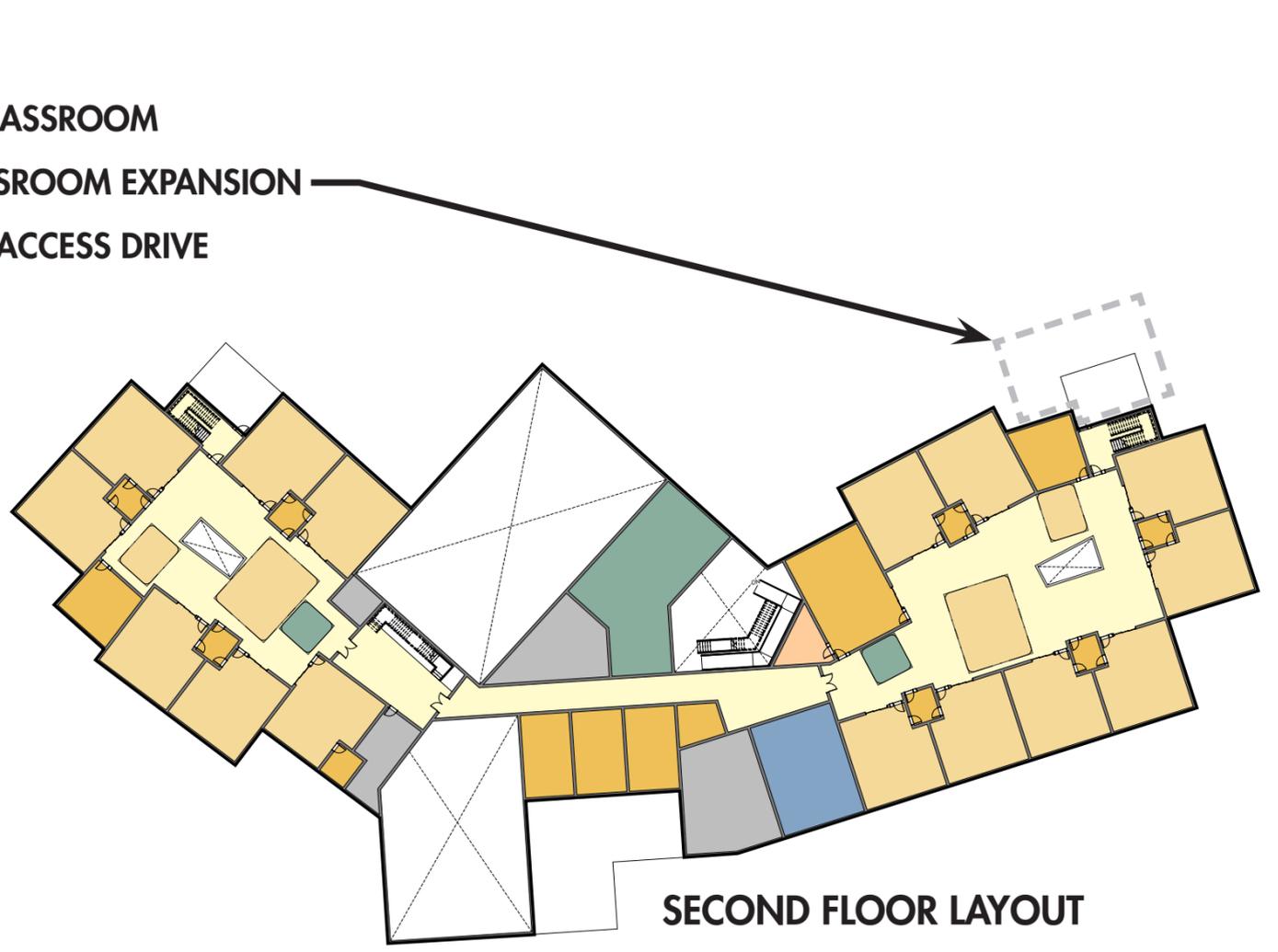


Design Update: Option 3.2 – Lower Field

97,307gsf max



FIRST FLOOR LAYOUT



LEGEND

CORE ACADEMIC	ART / MUSIC
SPECIAL EDUCATION	GYMNASIUM
MEDIA CENTER	KITCHEN / CAFETERIA
ADMINISTRATION	CIRCULATION
BUILDING SERVICES	PRE-K



Evaluation Criteria for Design Options

Site

- Adequate buildable area (excludes wetlands/buffers, setbacks, floodplains, etc)
- Parking & vehicle queuing safe/efficient/contained on site
- Safe pedestrian access
- Optimizes outdoor program & play spaces
- Extended access to undeveloped nature/green spaces
- Efficient use of site/integration into site

Community/Neighborhood

- Affords community use of playgrounds/fields
- Local traffic impacts
- Building mass & scale impacts on abutters/neighborhood

Cost/Schedule/Construction

- Minimizes MSBA non-reimbursement items
- Construction schedule
- Complexity of phasing
- Impact to educational program/facilities during construction
- Impact to abutters during construction
- **Cost**

General

- Likely successful debt exclusion vote
- Geographic location in the district
- Permitting complexity (wetlands, planning, ZBA, Article 97, etc)

Sustainability

- Ability to readily meet energy code
- Ease of facility maintenance
- Potential for geothermal system
- Good solar orientation in academic wing
- Effort required to become solar panel-ready
- Ability to support future expansion
- Potential to achieve LEED Silver (increases MSBA reimbursement rate)
- Potential to achieve Net Zero

NEXT STEPS

1. SLSBC will update these criteria to make any necessary revisions.
2. SLSBC will evaluate all three design options based on updated criteria and cost estimate information.
3. SLSBC will vote to select one final option to move forward into Schematic Design.

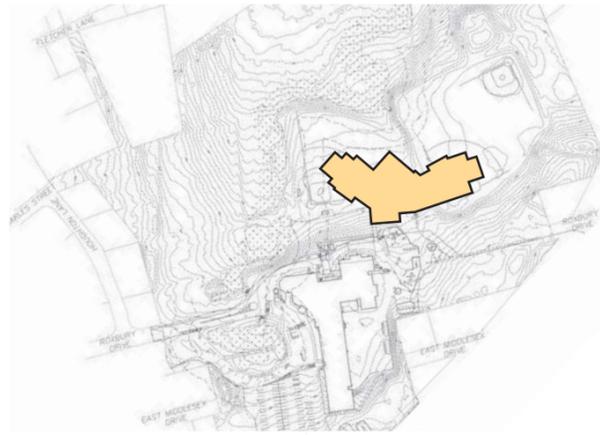
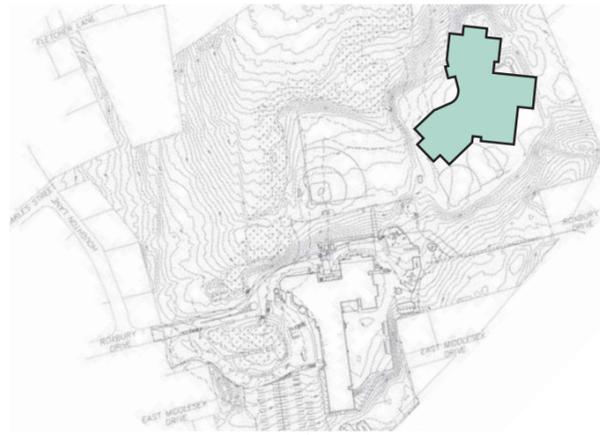
Construction & MSBA Estimates

- Construction costs and MSBA reimbursements are estimated based on current project assumptions.
- MSBA reimbursements vary based on specific reimbursement rates for specific portions of the project, for example site work, approved square footage, demolition, etc.
- 30% to 35% is an estimated range and does not reflect exact rates of reimbursement



Comparative Cost Analysis

Estimated cost data from PM&C and TTH estimates, based on October 2024 information



	OPTION 2.1 RENO/ADD: EAST		OPTION 3.1 NEW: UPPER FIELD		OPTION 3.2 NEW: LOWER FIELD	
	PDP	PSR	PDP	PSR	PDP	PSR
Estimated Square Footage	103,000 sf	94,950 sf	103,000 sf	97,307 sf	103,000 sf	97,307 sf
Estimated Construction Cost per Square Foot	\$848.26	\$858.50	\$876.74	\$888.16	\$858.67	\$877.08
Estimated Construction Cost DBB	\$87.4M	\$76.8M	\$90.3M	\$81.9M	\$88.4M	\$80.9M
Estimated Construction Cost CMR	\$92.6M	\$81.4M	\$95.7M	\$86.9M	\$93.7M	\$85.8M
Estimated Soft Costs (based on DBB)	\$17.5M	\$15.4M	\$18.0M	\$19.4M	\$17.7M	\$16.2M
Estimated Total Project Cost Design Bid Build (DBB)	\$104.9M	\$92.2M	\$108M	\$98.3M	\$106.1M	\$97.1M
Construction Manager at Risk (CMR)	\$110.1M	\$96.8M	\$114M	\$103.2 M	\$111.4M	\$102.0M
Estimated Potential MSBA Reimbursement	\$27.6 M -32.3 M		\$29.5 M -34.4 M		\$29.1 M -34.0 M	



Project Comparison: Estimated Construction Cost Context (End of SD)

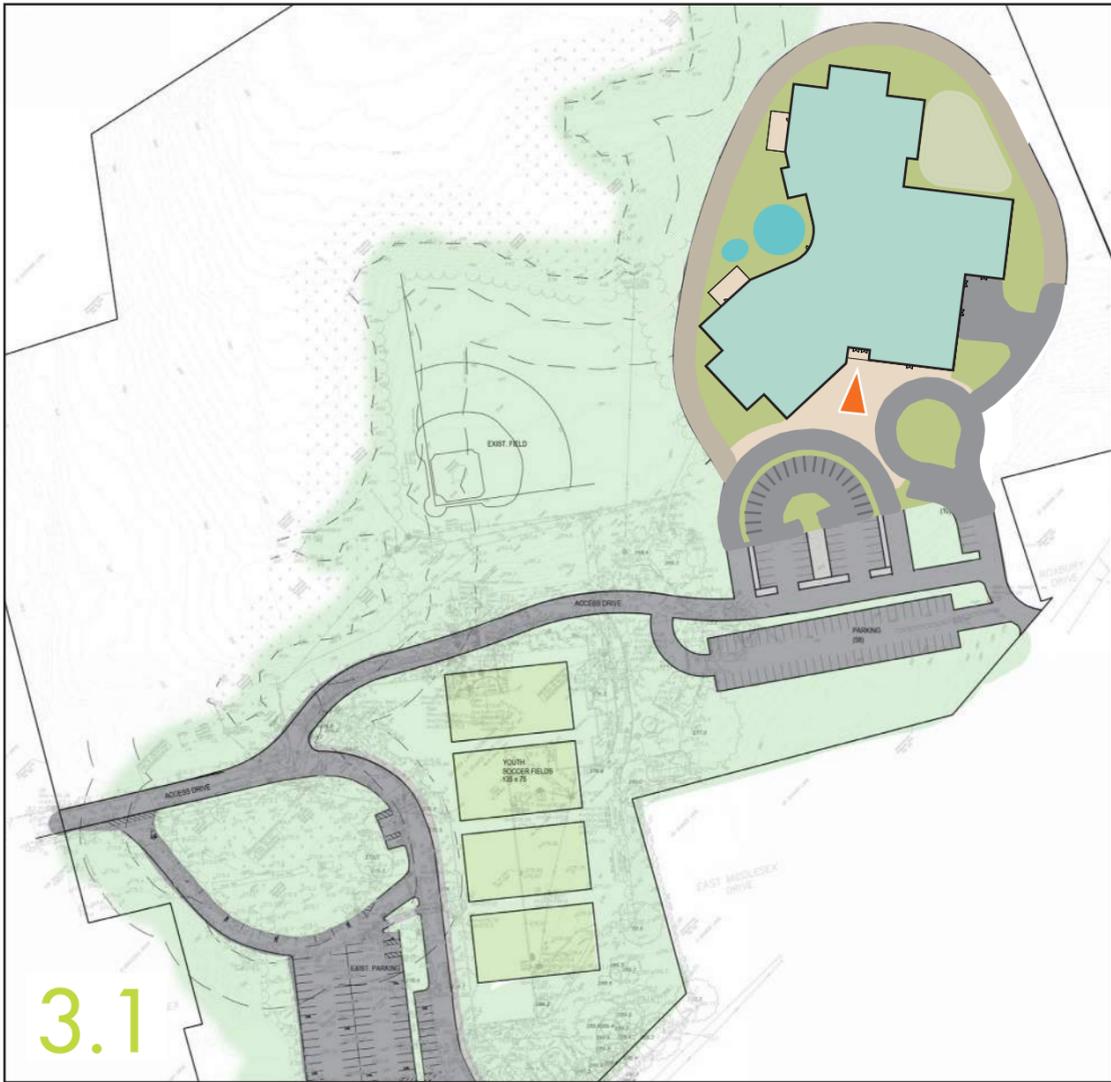
MSBA Elementary School Building Projects, New Construction - Information provided from MSBA website

	<u>NEW BEDFORD</u>	<u>NEWTON</u>	<u>SCITUATE</u>	<u>STOUGHTON</u>	<u>BERKLEY</u>	<u>NORTH ADAMS</u>
Date MSBA Board Approved	Dec 2023	Dec 2023	April 2024	April 2024	June 2024	June 2024
Enrollment	760	465	460	515	385	240
MSBA Approved Square Footage	124,160sf	76,000sf	106,084sf	101,550sf	84,620sf	73,600sf
Estimated Construction Cost per Square Foot	\$778	\$794	\$895	\$904	\$832	\$726
Estimated Total Project Costs	\$119.7M	\$76.0M	\$119.4M	\$114.4M	\$89.9M	\$65.3M

Discussion



2.1 RENOVATION & ADDITION TO EAST OF SLS



3.1 NEW CONSTRUCTION - UPPER FIELD



3.2 NEW CONSTRUCTION - LOWER FIELD



Special Town Meeting Outline

- We've Outgrown the Shaker Lane School
Shaker Lane School no longer meets our needs
- Estimated Costs
Estimated construction costs and estimated reimbursement
- Examples from Other Communities
Recent cost examples and MSBA reimbursement examples
- Design Update
- Next Steps



Thank You

