Hildreth Elementary School

Story of a Building
13 October, 2022





Your Speakers Today

Massachusetts School Building Authority

- James A. MacDonald, CEO
- Barbara Hansberry, Director of Strategic Planning

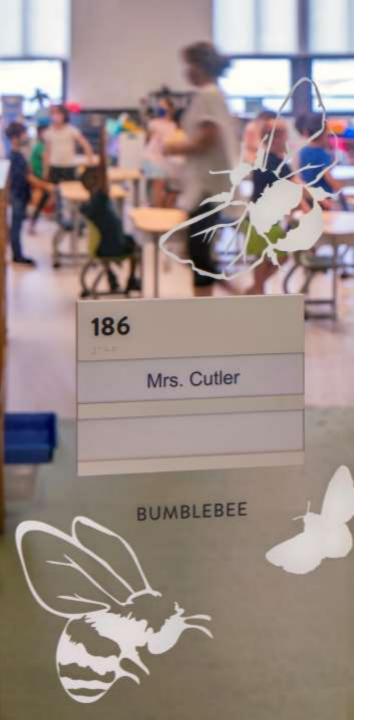
Harvard Public Schools

- Dr. Linda Dwight, Superintendent
- Dr. Rebecca Katsh-Singer, Principal
- SusanMary Redinger, Chair

Project Team

- Thomas P. Murphy, AIA, NV5
- Laurence Spang, AIA, Arrowstreet
- Ryan Lynch, Shawmut Design and Construction





Today's Agenda

8 – 8:25 Welcome

8:25 – 9:50 Session 1: The Learning Environment

Educational Benefits for Student Learning
 Dr. Linda Dwight

Creating a Sense of Identity and Place Larry Spang

• Q+A

Break - 10 Minutes

10 – 10:45 Building Tour

10:45 - 11 Q+A

11 – 12:30 Session 2: Working with the Community

Getting to Yes

SusanMary Redinger

A Building for Harvard

Larry Spang
Tom Murphy

Managing the Process

Ryan Lynch

Building a School

Q+A



HES Visioning Committee

Goals

- Create spaces that will enhance learning beyond the classrooms and promote 21st century skills
- Enhance support for Special Needs
- Build a sense of a learning community
- Provide advanced technology with future flexibility
- Provide an optimal learning environment
- Create a building that is safe and secure while providing for community use



We commit to providing a high quality education centered around dynamic learning and personal well-being in a community where everyone can find belonging.

Healthy Classrooms



Breakout Spaces







Grades K-1 Grades 4-5

Gr 2-3 Neighborhood



Open Media Center



Learning Stairs



Art/STEM Room





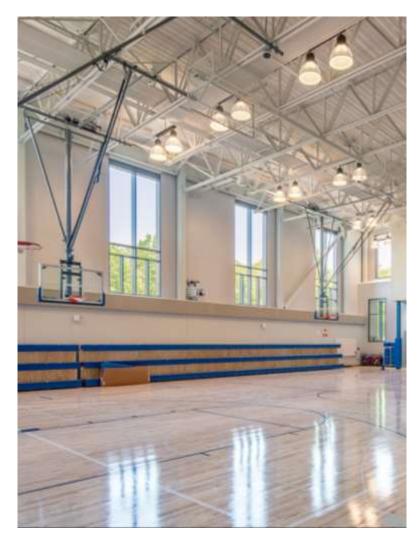
Natural Daylight



Art Room



Grade 4-5 Breakout Area



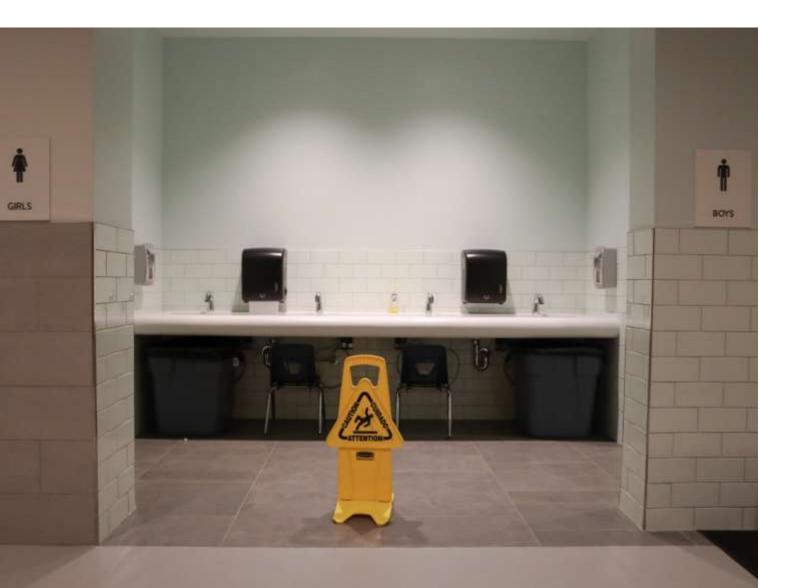
Gymnasium

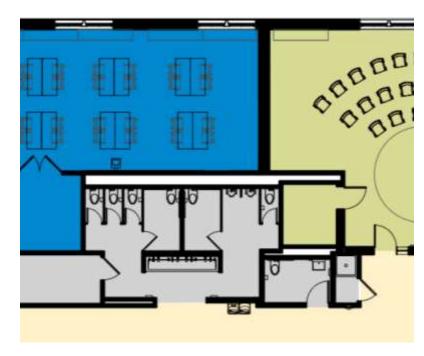
Alternate Learning Spaces





Adapting to the Future





Shared Sinks at Toilet Room

Community Resources







Identity and Place



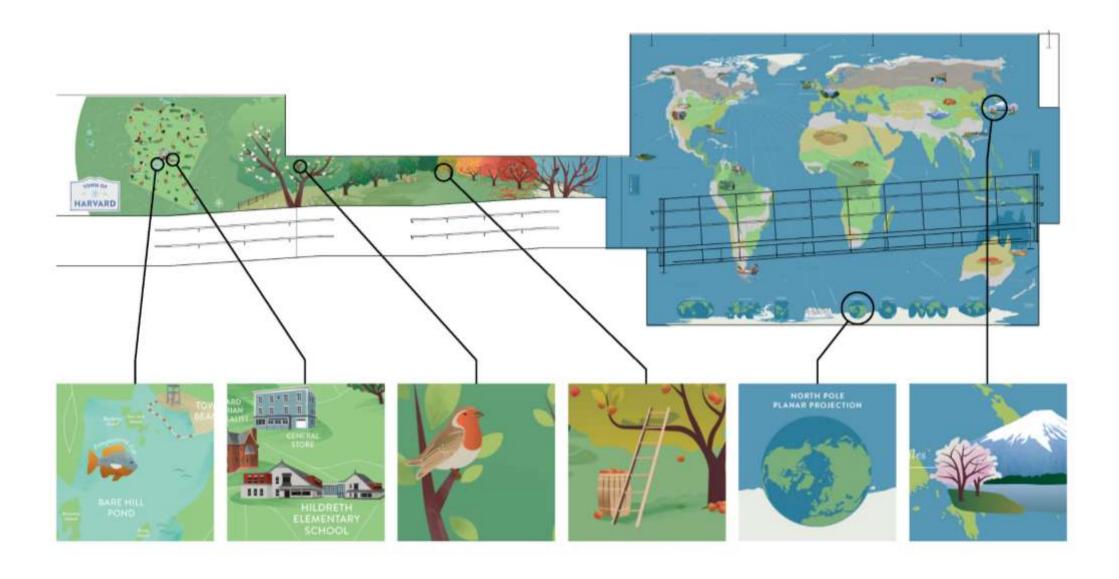


Identity and Place





Identity and Place



Wayfinding





THIRD GRADE



Building Tour

CIRCULATION

AUDITORIUM/DRAMA





Involve the Community





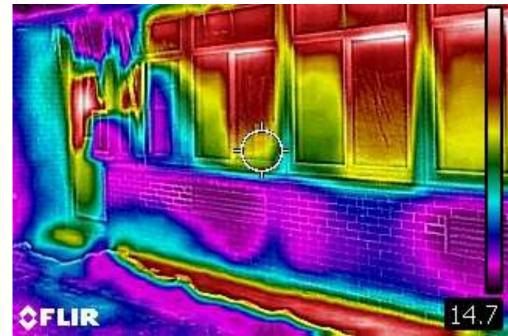


Document Existing Deficiencies

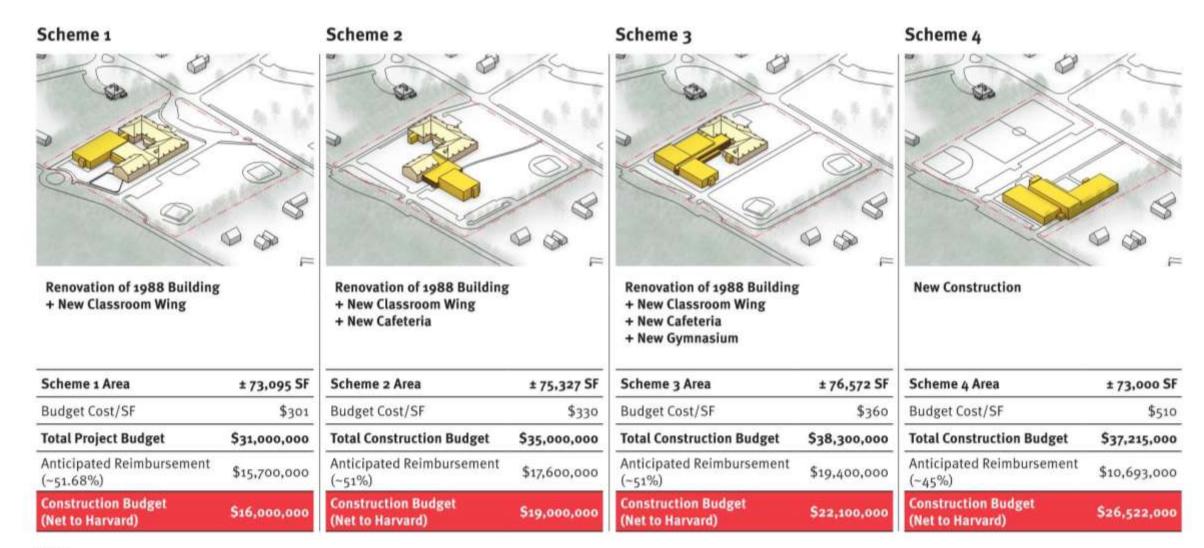








Study the Alternatives



Notes:

MSBA reimbursement has been calculated based on 45% of building construction costs and 8% of site allowance.

Inform the Public



YES vote . BUILD A NEW SCHOOL

Cost: 11% tax increase (based on info from 4/2018)



No roof problems

The Better Way School

New Kindergarten Wing

· Improved Heating system

Sprinklers and all code updates

New Roof

Renovations to the 1988 Building

What if? Repairing HES could top \$28 million; state would pay nothing

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Cost to Harvard

\$Million

NO vote · BACK TO DRAWING BOARD

Cost: 10% tax increase (based on info from 2017*)

Lose grant from state & pay for new feasibility study (adds years to project)

Roof still gets ice dams, will leak again and need future replacement

It's \$14M using SBC's own project cost data

der/HVAC install ly at 110% capacity)

students & staff OOMS (date unknown)

von't come back)

ject will be higher

g less!

Costs for Replacing K-wing and Repairing 1988 Elementary School Building CONSTRUCTION BUDGET Foundations and site work \$2,588,860 \$2,164,727

New construction (K-wing) \$2,187,216 \$4,183,842 Interior/special construction Plumbing/conveying/electrical \$2,041,740 Fire protection/sprinkler \$320,728 \$1,415,740 Heating and ventilation system Equipment/furnishings \$693,050 Hazardous materials abatement \$460,000 \$582,290 Construction soft costs (design, pricing,

bonds, fees, general conditions, contingencies) \$6,162,176 3% annual escalation, construction budget \$1,463,820 **Deducting educational improvements**

Included in original renovation estimate -\$2,000,000 LUCTION SUBTOTAL \$22,264,189 ROJECT COSTS r Classrooms \$2,115,000

re, fixtures, equipment \$667,500 /OPM soft costs \$2,893,986 \$330,000 \$28,270,675

Source: School Building Committee 2/15/18 Harvard Press

BETTER WAY SCHOOL

Start with above total from SBC Less Modelar Classrooms*

\$28,270,675 -\$2,115,000

Renovation **DENIES funding*** nte on New

ty Funds

ion Funds

ction begins

ions complete

ofe on

less certain if MSBA denies funding. This timing assumes a best-case scenario, Costs will ultmately depend on 23 - 24 what the town

*Timeline and

costs are much

Cost \$32M-547.4M** increase 12%-19%

te is for new K-wing, code upgrades pairs. High estimate includes new ria and educational upgrades.

cent rate of 5%-5.5% on the Bond.



Prepare for Debate





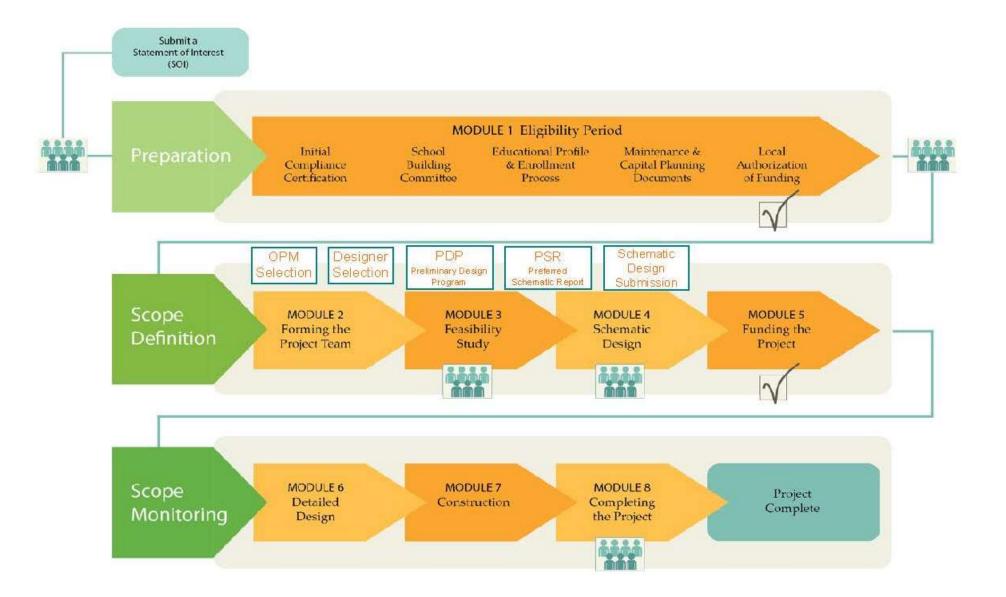


Yes to HES



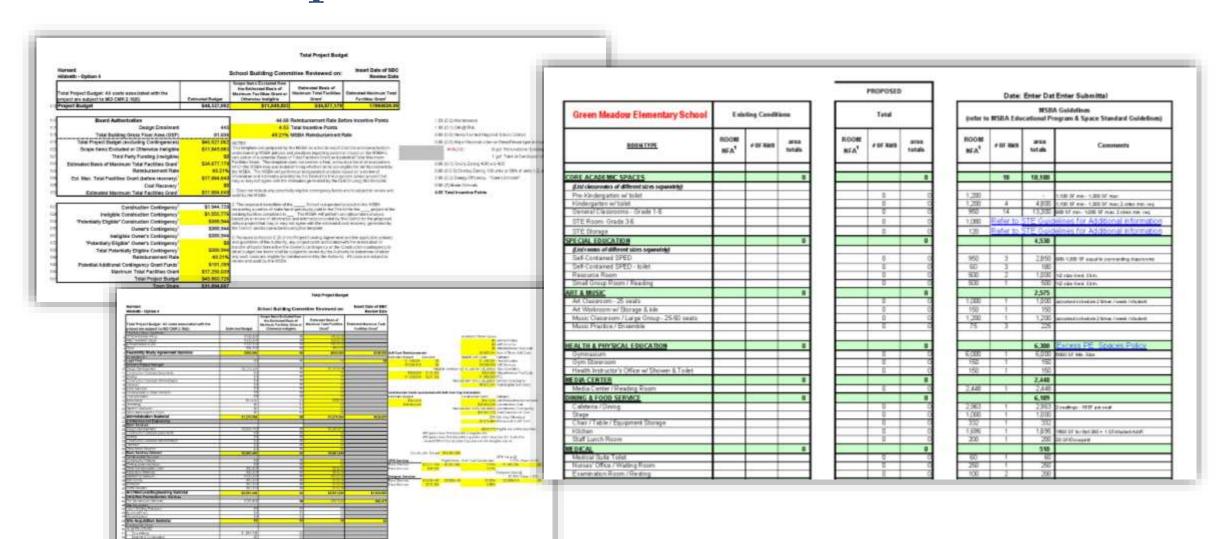


MSBA Core Program Process Overview





MSBA Templates



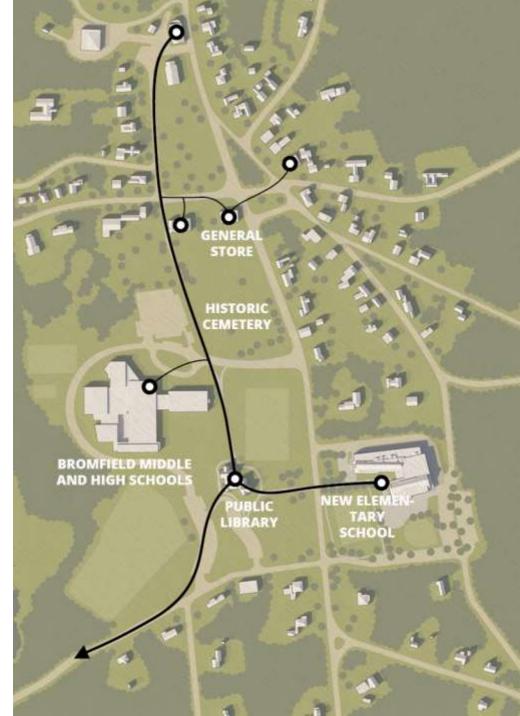
17	2018	2019	2020	2021
NOV DEC	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
	12/1/17 Schematic Design			WINTER NDITIONS
	12/21/17 Schematic Estimate			
	1/2018 SD Package to MSBA			
	1/2018 - 2/2018 Project Scop			
	4/7/2018 TOWN MEETI VOTE	NG DEBT EXCLUSION		
	4/8/18 - 6/30/1	8 Design Development		
	7/2018 DD E	stimate Update		
	8/6/2018	Submit DD to MSBA		
	1	1/2/2018 60% CDs Issued		
		11/21/2018 Estimate / Schedule / Log	istics Update	
		2/11/2019 90% Documents Is	sued	
		2/25/2019 60% Estimate / S	chedule / Logistics Update	
		3/9/2019 Submit 90% Pad	ckage to MSBA	
		1/2019 - 5/2019 Bio	dding / Final GMP	
		6/2019	CONSTRUCTION	6/2021
			CONSTRUCTION PHASE	E II: 6/21 - 11/21

A Building for Harvard



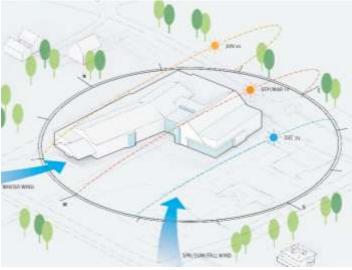
Place in the Community





Oriented for Optimization







Historic Context



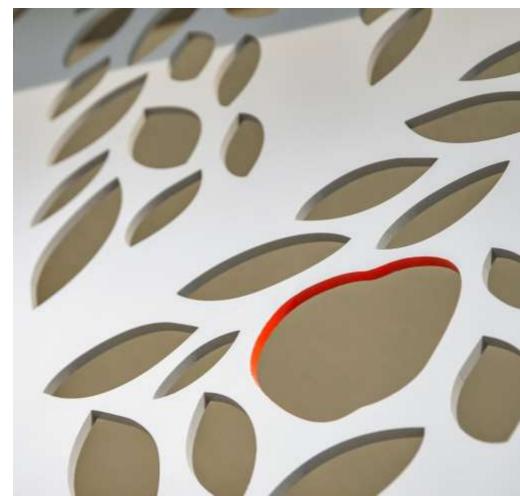






Reflecting the Community









Safety – A Culture of Care



Regular Safety Huddles





NEW ENGLAND 9 YEARS
COMPANY WIDE 6+YEARS

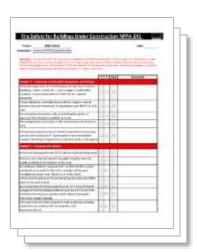
Communication



Site Accountability



Detailed Construction Management Plan



Site Specific Safety Plan



Clear Easy To Follow Signage





Worker Identification



Safety Inside and Outside The Fence



Focus on Education / Community











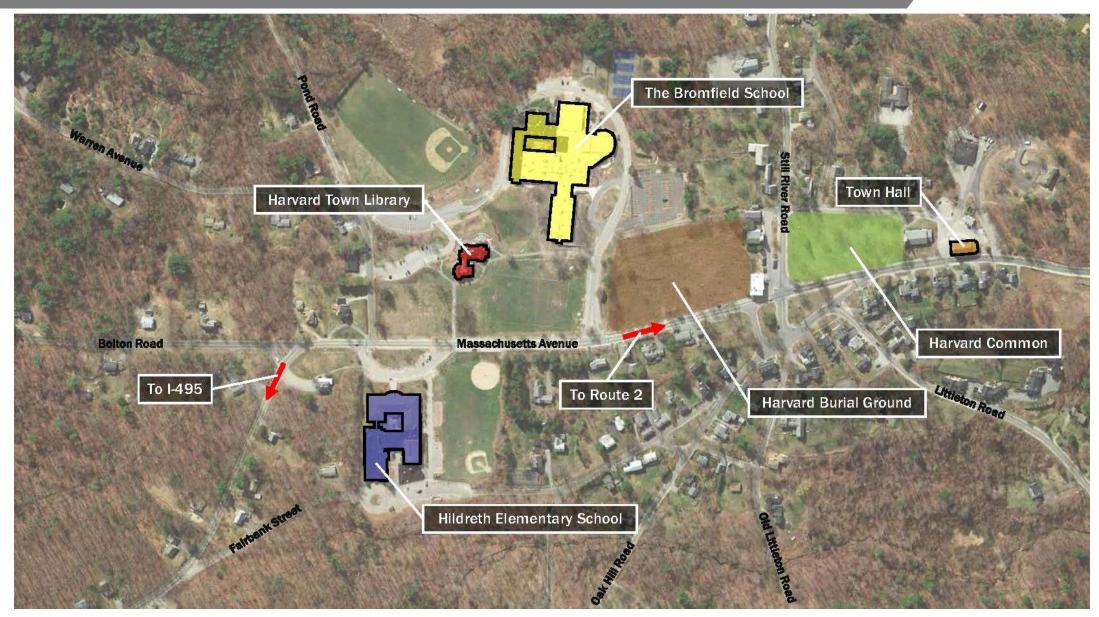


Not Just Building a Building ... Building a **New Learning Experience for Future Leaders**

Site Logistics

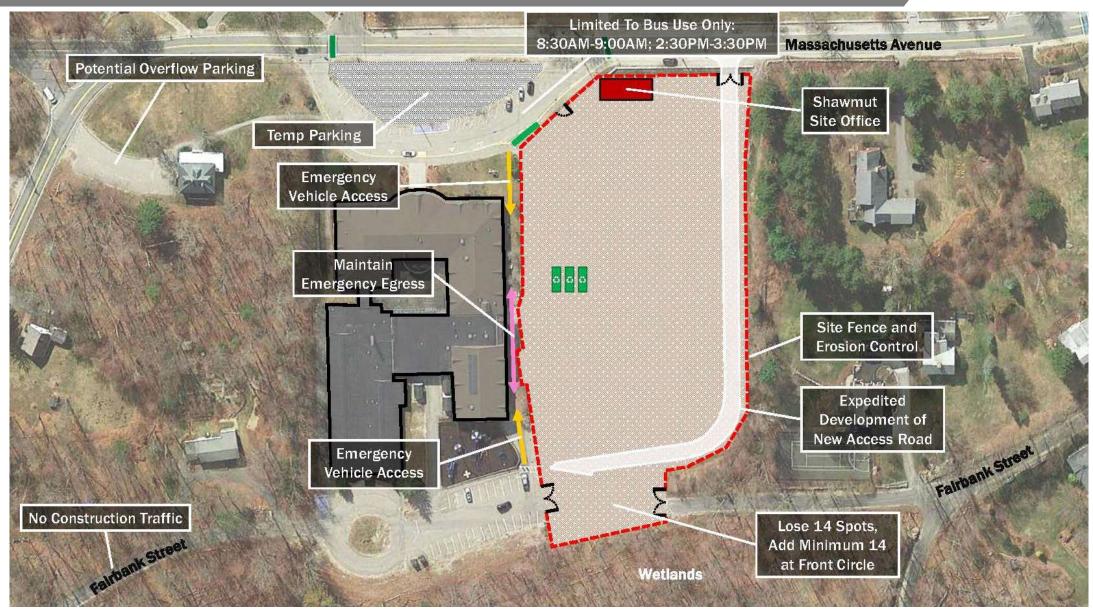
Existing Conditions





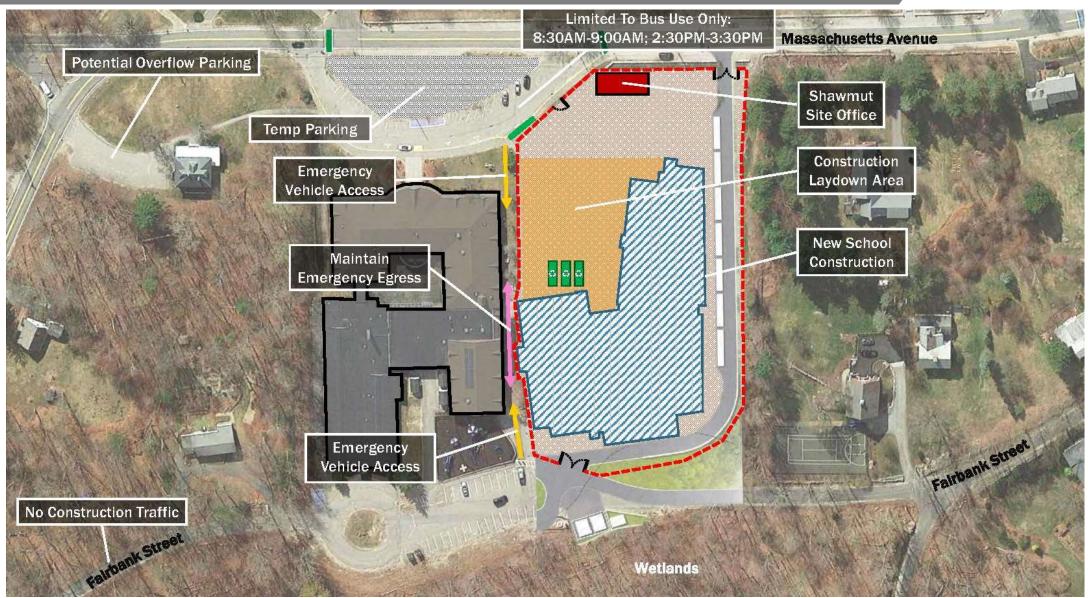
Phase - 1A: April 2019 - August 2019





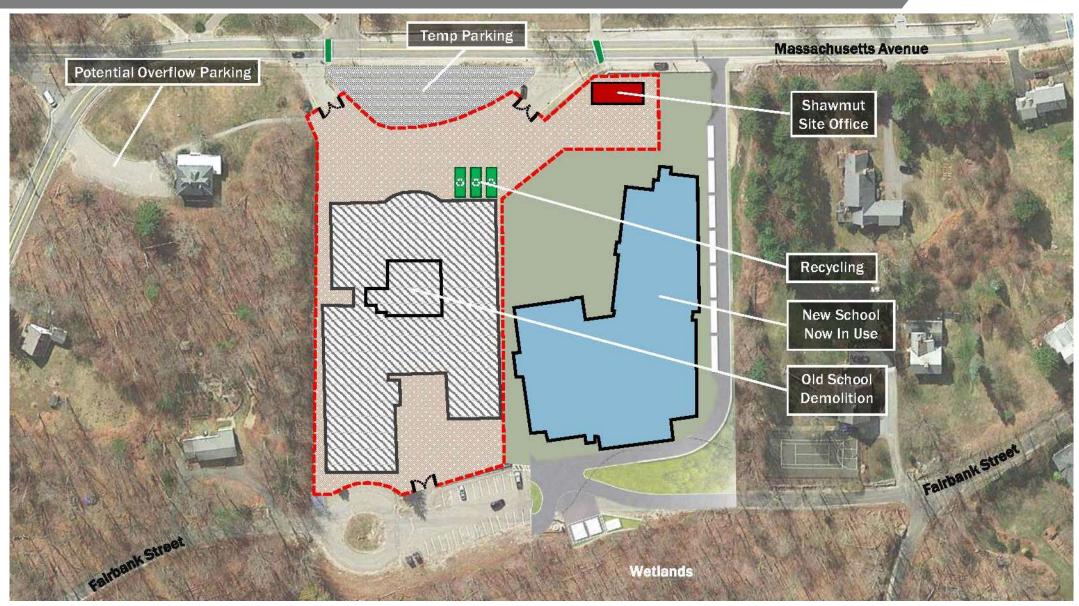
Phase – 1B: September 2019 – April 2021





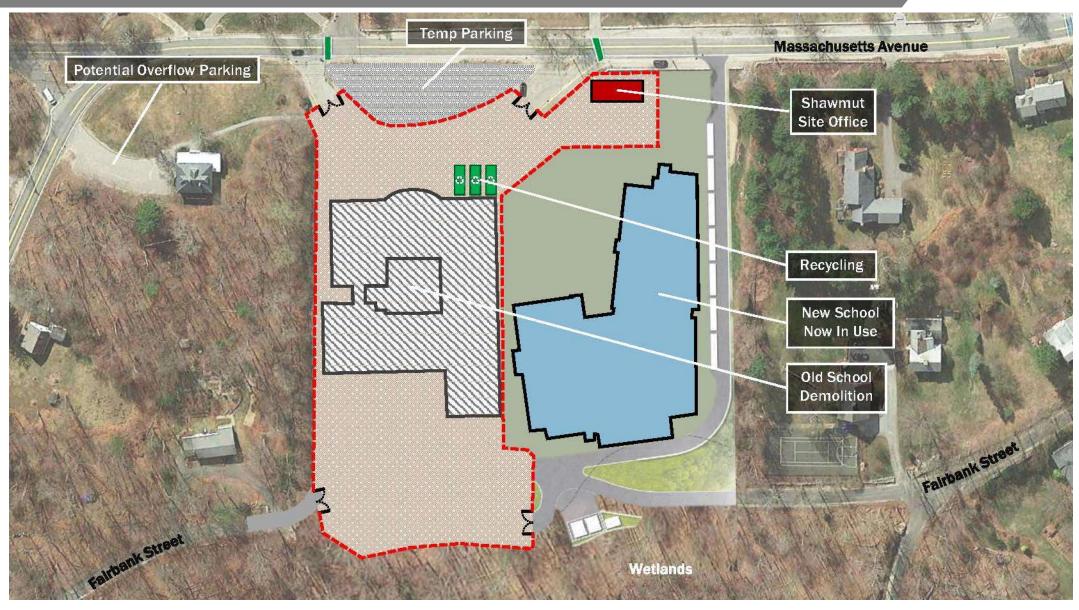
Phase – 2A: April 2021 – May 2021





Phase – 2B: June 2021 – August 2021





Phase – 2C: September 2021 – November 2021





Project Complete – November 2021





