



# ARLINGTON HIGH SCHOOL BUILDING PROJECT

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*Town Meeting  
Update*

*May 2021*

[www.ahsbuilding.org](http://www.ahsbuilding.org)





# Project Refresher

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## Project Stats

- Project is on budget and on schedule
- Designed for 1,755 students
- \$289.8M Total Budget
- Up To \$86M from Mass School Building Authority
- Construction 2020 - 2025

## Resources

- Project website: [www.ahsbuilding.org](http://www.ahsbuilding.org)
- Construction Videos: [www.vimeo.com/channels/ahsbuilding](http://www.vimeo.com/channels/ahsbuilding)



# Project Partners

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HM  
FH

**SKANSKA**



Massachusetts School Building Authority

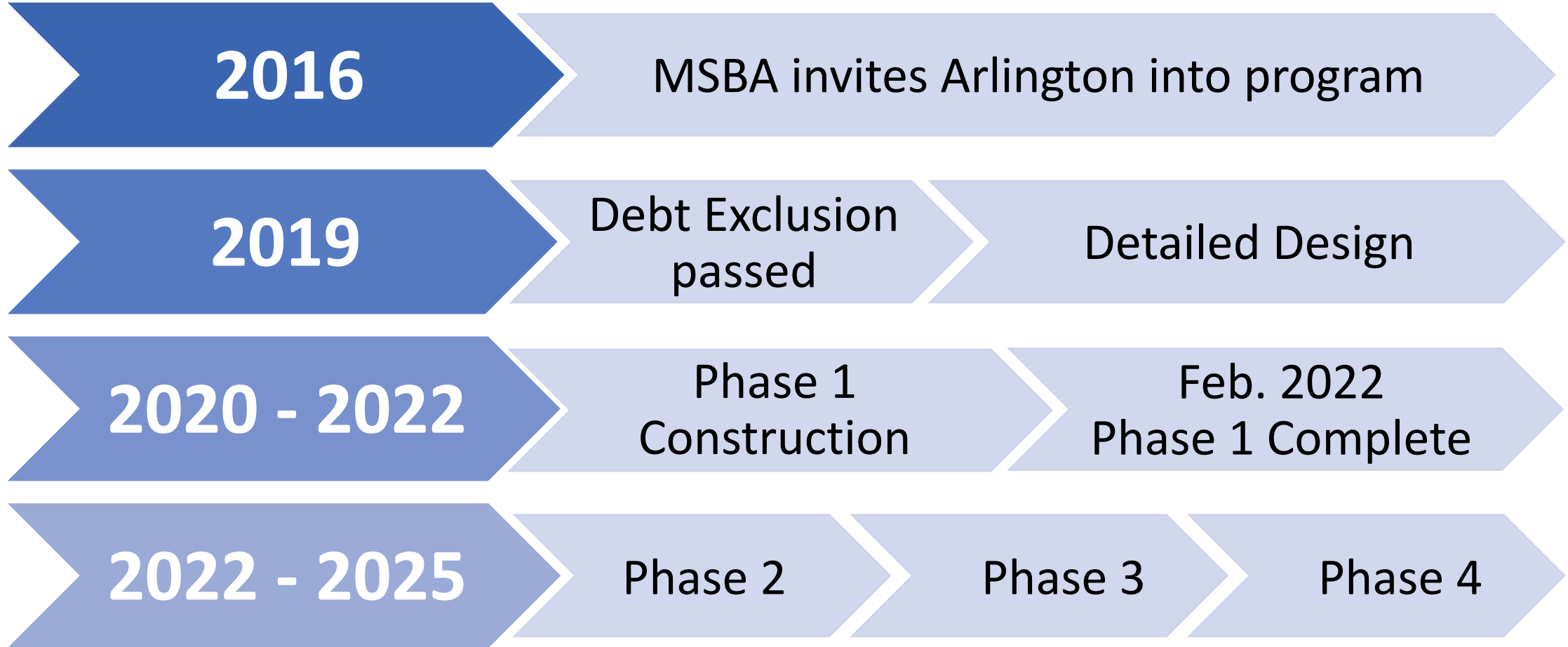


**CONSIGLI**  
*Est. 1905*



# Process

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# Milestones - Detailed Design

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- Detailed Design
  - Summer 2019 to Summer 2020
  - Detailed Design Phase includes three parts: Design Development, Construction Documentation, and Bidding



**Massachusetts Avenue Entrance**



**Athletic Field Entrance**



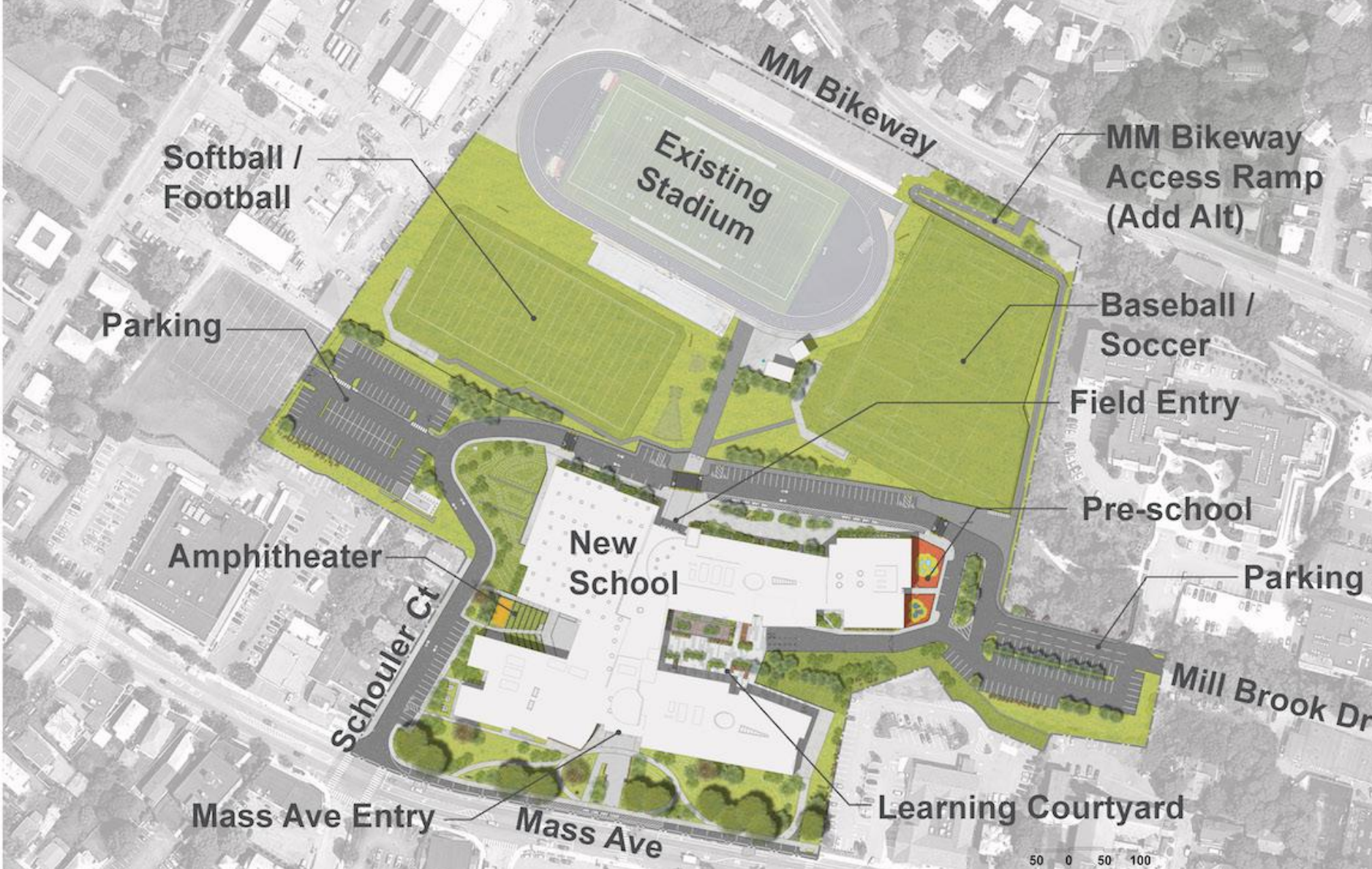
# Milestones - Value Engineering

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Value Engineering occurs throughout the project

- Definition: the process of comparing alternatives and their associated costs, and making choices to keep the project within budget, without sacrificing educational priorities
- Four estimates were performed at different stages, and compared to the budget
- At points, various items were removed or added back
- Bid savings allowed for the Building Committee to add back numerous upgraded finishes.





## End results of Value Engineering

Items maintained/added:

- Artificial turf field lighting
- Minuteman Bikeway ramp
- Mill St. and Mill Brook Dr. traffic light
- HVAC ventilation and air filtration improvements

Items removed/modified:

- East staircase and ramp connecting Mass. Ave. to athletic fields
- Interior and exterior materials



# Milestones - Geothermal Wells

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- Contamination found during test well drilling for geothermal wells in April 2020
- Chose air source heat pumps instead of geothermal wells
- Impacted schedule => Due to HVAC re-design, move into Phase 1 wings in Feb. instead of Jan. 2022
- Impacted budget => Due to cost savings from wells, ability to add other items into the project



# Milestones - Parmenter School Renovation

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- Renovation required in order to house Menotomy Preschool during construction of the new high school
- Elevator was added to ensure full accessibility
- Renovated March - August 2020









# Milestones - Covid-19

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- Followed all health guidelines as they evolved
- Able to continue work without delay





© Cameron Rogers  
October 17th 2020

**Aerial View October 2020**



**First Steel Raised November 2020**





# Milestones - GMP Signed with Consigli

- Definition = A guaranteed maximum price contract sets a maximum price that the customer will have to pay their contractor, regardless of the actual costs incurred.
- Final step in pricing the project, Consigli directed to proceed with building the project in its entirety.
- Competitive bid process and 2020 economic changes resulted in \$1M savings in construction costs





# Milestones - Sustainability

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- Exceeding original sustainability estimates
- In line with Town's priorities
- Sustainability is integral to building design
- All-electric building
- Use of heat source pump and photovoltaic technology





# Phasing & School Occupation

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- Phasing
  - Phasing plan minimizes student impact
  - No classroom trailers needed
- School occupation
  - Good working relationship between AHS admin and the Project Team - Skanska, Consigli and HMFH
  - Monthly Indoor Air Quality Assessments (IAQ) and regular Dust Monitoring reports are performed and are on the project website
  - Students and staff will move into Phase 1 buildings in February 2022



**LEGEND**

- PARENT DROP-OFF AND PICK-UP
- CONSTRUCTION FENCING
- CONSTRUCTION GATE - NO CONSTRUCTION ACCESS DURING SCHOOL ARRIVAL OR DISMISSAL TIMES
- OCCUPIED SCHOOL AREAS
- PHASE 1 BUILDING ZONE
- PHASE 2 BUILDING ZONE
- PHASE 3 BUILDING ZONE
- PHASE 4 BUILDING ZONE
- EXISTING SCHOOL DEMOLITION AREA





**Mass. Ave View of the Performing Arts Wing March 2021**



**Mass. Ave View of the STEAM Classroom Wing April 2021**



**Interior Work April 2021**





**Aerial View May 2021**



# AHS Building Committee

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Jeff Thielman

Dr. Kathleen Bodie

Adam Chapdelaine

Dr. Kirsi Allison-Ampe

Francis Callahan

John Cole

Tobey Jackson

Dr. Matthew Janger

Domenic Lanzillotti

Brett Lambert

Kate Loosian

Bill McCarthy

Michael Mason

Judson Pierce

Sandy Pooler

Brian Rehrig

Amy Speare

Greg Walters

Shannon Knuth

Dr. Paul Raia

Kent Werst

Avery Spellmeyer, AHS '21



# Thank you

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- Follow us on [Facebook](#)
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- Sign up for weekly Construction Updates

