TAPPÉ ARCHITECTS

PMA Consultants Est. 1971

SHARON HIGH SCHOOL
School Committee Update

February 27, 2019

AGENDA

Welcome & Project Overview – Dr. Greer, Superintendent

Building Options – Tappé Architects

Discussion

Next Steps

- Community Forum
- PSR Phase Completion

Definitions

- <u>Flexibility</u> – facilities that are adaptable to varying needs and abilities in teaching and learning.

- <u>Small Learning Communities</u> – organizing principle that allows the scale of the building to break down into smaller areas which changes the “felt size” of the school.
    - It addresses social, emotional, and security challenges associated with large schools and the anxiety those environments produce.

<u>No educational model change proposed.</u>

Definitions

- <u>Collaboration</u> – working together with diverse thinkers to improve individual outcomes.
    - True collaboration is dependent upon inter-disciplinary insight as well as focused departmental expertise. Innovation and discovery are rooted in collaboration.

- <u>21st Century Skills</u> – Communication, Collaboration, Critical Thinking, Creativity. These are layered into and enhance the traditional skills of reading, writing, and arithmetic.

<u>No educational model change proposed.</u>

Public Process

- By 2/7/19, 41 project related public meetings
  - 23 School Building Committee Meetings
  - 11 School Committee Meetings
  - 3 Days of Visioning Workshops
  - 1 Community Forums
  - 2 Parent Teacher Organization Presentations
  - 1 Board of Selectmen Meetings

- Other project related meetings
  - 1 Sustainable Sharon Meeting
  - 1 Rotary Club Meeting
  - 2 full days; 14 Teacher/ Student Listening Sessions;

Tappe Architects
SHS Listening Meetings

At the end of this process and project, what would it take for you to define it as a success?

What are you dreams for a new or renovated Sharon High School?

What about the current Sharon High School is worth keeping in a new or renovated facility?

If you could summarize a new Sharon High School in one or two words, what would those words be?

Which of the new schemes most resonates with you and your department?

Tuesday January 15, 2019 Day E			Wednesday January 16, 2019 Day F		
Period	Group	Room	Period	Group	Room
3	Math	508	2	Social Studies	403
4	Science	410	3	Music/Theatre	704
EB	Students 9 & 10	Main Office	EB	Wellness	608
5	Foreign Language	206	4	Guidance	Guidance Office
6 (12:45)	Special Education	310	5 (12:45)	TV Media, Library, & Tech	Studio & Library
1	ELA & EL	110	6	Secretaries & Custodians	Main Office
After School	Art	702	After School	Students 11 & 12	Main Office

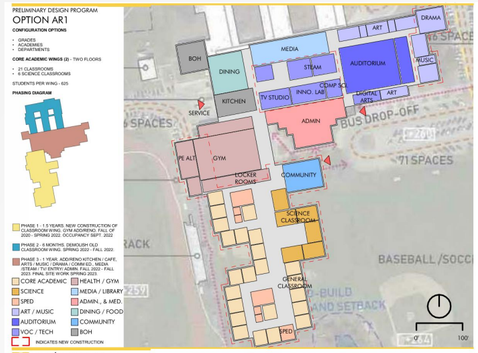
Collaboration
Spaces
Classrooms
Flexible
Learning
Space
Music
Outdoor
Variety
Hallways
Connection
Classroom
Wellness
Theater
Entrance
Magnet
Student
Library
Tech
Open
Kids
Access
Departments
Better
School
Storage
Seating
Wide
Scheduling
Restrooms
Light
Language
Resources
Dining
Lockers
Office
Schedule
Culture
Reduce
Lunch
Don't
Security
Programs
Need
Arts
Room
Pool
Offices
Studio
Large
Small
Store
Comfortable
Furniture
Help
Sped
Kid
Pass
Neutral
Lab
Travel
Darkroom
Separate
Social
Natural
Campus
Value
Main
Proximity
Stage
Gender
Privacy
Cohesiveness
Junior/Seniors
Outdoors
Daylight
Mechanical
Sunlight
Flexibility
Welcoming
Thinking
Restroom
Printers
bags
water
Cubbies
Lifelong
Pick-up
Alternative
Lots
Surface
Nurse
Drop-in
Theory
Art
Acting
Media
Individualized
Centralized
Internal
Virtual
Intercom
Counseling
Strategic
program
really
Parking
Design
gear
Wider
Love
vertical
access
walls
Bigger
Project
Swimming
Circular
Formal
Materials
Meetings
co-counseling
Cafeteria
Donuts
Boards
Paper
Weights
vans
Gaming
Sequence
Culinary
Drama
Designated
Testing
Strength
Work
Logistics
Staff
Passess
Session
Buzzers
Zones
Time
Throughout
Interest
Services
Responsive
Festival
Run
Desk
Admin
Carpet
Stations
Charging
Vibrant
Fitness
Purple
Stand-up
Relaxing
Dunkin
Rooms
Less
Smart
Teacher
Labs
Place
Entrance
Hallways
Magnet
Campus
Value
Main
Natural
Social
Separate
Darkroom
Learning
Spaces
Collaboration
Flexible
Classrooms
Better
School
Storage
Access
Seating
Wide
Scheduling
Departments
Restrooms
Light
Language
Resources
Dining
Lockers
Office
Schedule
Culture
Reduce
Lunch
Don't
Security
Programs
Need
Arts
Room
Pool
Offices
Studio
Large
Small
Store
Comfortable
Furniture
Help
Sped
Kid
Pass
Neutral
Lab
Travel
Kids
Tech
Open
Library
Outdoor
Variety

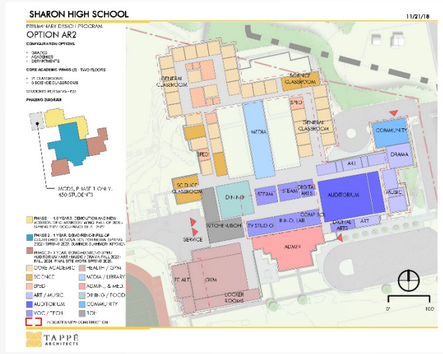
Design Process [RFQ, Town Meeting Warrant/STM]

- Understand existing teaching practices and physical conditions
- Assist district in developing updated education plan based on existing strategic plan
- Develop concepts that respond to existing challenges and MSBA standards
- Narrow down options to arrive at preferred (most educationally appropriate and most cost effective) option

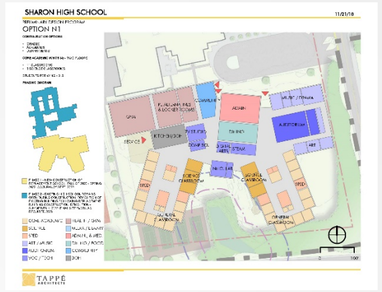
PDP Options

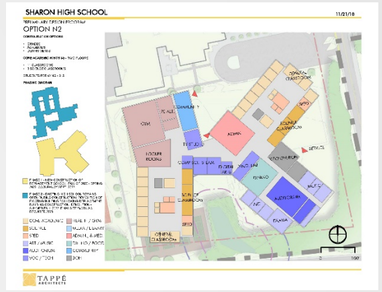
Renovation

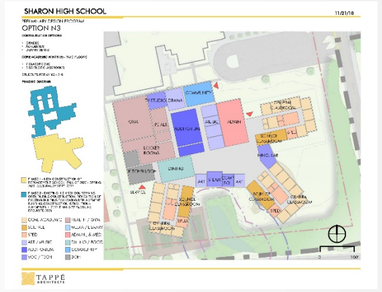


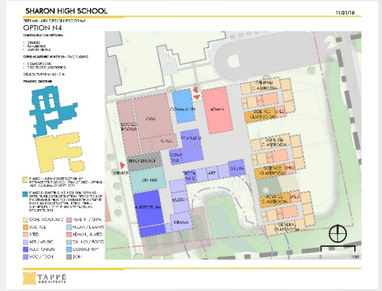


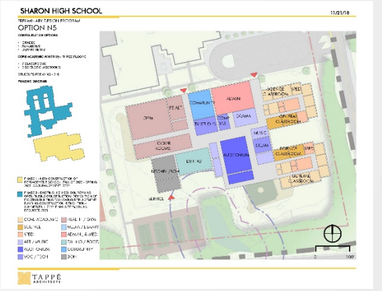
Addition
Renovation











New Construction

Goals as articulated by the Town of Sharon

- Eliminate congestion in corridors and at intersections that increase student anxiety and travel time. Create space and opportunity for students to collaborate with one another and space/opportunity for teachers to have departmental and inter-departmental collaboration. [RFQ, Ed Plan, SOI]

    - The addition/renovation and new building options reduce travel distances and congestion through the implementation of a second floor and multiple wings. This helps reduce the number of students moving through the “pinch points”. It fosters collaboration through open common space, small group rooms, and teacher planning centers.

Goals as articulated by the Town of Sharon

- Provide a safe and healthy learning environment that considers physical, emotional and academic safety while being focused on 21st century best practices. [RFQ, SOI, Strategic Plan, Ed Plan]

  - The addition/renovation and new building options provide flexible, responsive learning spaces that will help ensure the social/emotional well-being of each learner. It is safe, secure, accessible and adaptable to changing teaching practices including project based learning.

Goals as articulated by the Town of Sharon

- Provide a facility that incorporates today's security concerns and any potential future security considerations; [RFQ, Ed Plan, SOI, Strategic Plan]

    - The addition/renovation and new building options provide facilities that incorporate all of the latest CPTED (crime prevention through environmental design) standards. In addition, they include concepts from industry experts on school safety and security that enhance the social and emotional wellness of all users. They allow for community use that is both safe and secure at all times.

Goals as articulated by the Town of Sharon

- Eliminate the current inadequately sized educational spaces and accommodate anticipated student enrollment growth in accordance with 21st century learning and facility guidelines. [RFQ, Ed Plan, SOI, Strategic Plan]

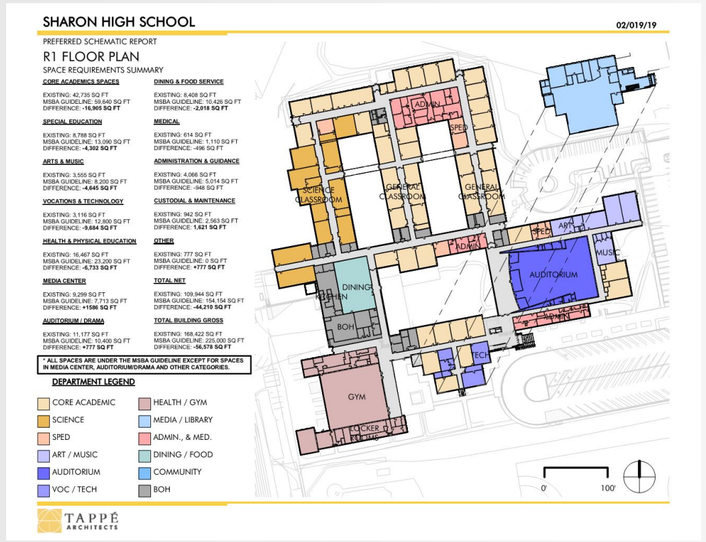
  - The addition/renovation and new building options provide facilities that meet the MSBA standards for all educational spaces. They are focused on 21st century teaching and learning concepts that consider the entire school community. It responds to the whole child by allowing various methods of teaching and learning to compliment one another.

Goals as articulated by the Town of Sharon

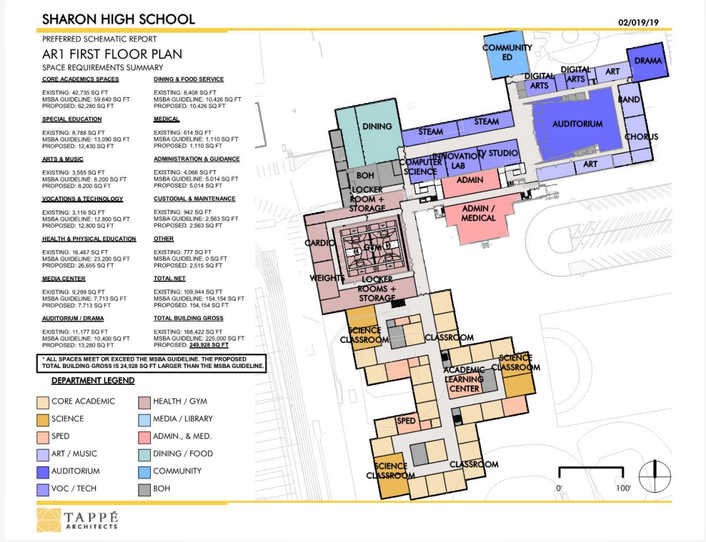
- Provide educationally appropriate and safe science labs, STE[A]M, maker and engineering/robotics spaces. Provide space for teachers to conduct common planning time throughout the day. [RFQ, Ed Plan, SOI]

  - The addition/renovation and new building options provide science labs that are situated along the main corridor and adjacent to one another in pairs with close proximity to STEAM, engineering and maker spaces as well as common teacher planning centers. The labs will be dedicated science labs following the MSBA science lab standards. The educators and administration will implement rigorous lab safety protocols.

PSR Options



R1
Renovation
$89 M



AR1
Addition/Renovation
$160 M

N4
New Construction
$156.8 M

Option R-1 (Renovation) – Floor Plan

SHARON HIGH SCHOOL

02/019/19

PREFERRED SCHEMATIC REPORT

R1 FLOOR PLAN

SPACE REQUIREMENTS SUMMARY

CORE ACADEMICS SPACES

EXISTING: 42,735 SQ FT
MSBA GUIDELINE: 59,640 SQ FT
DIFFERENCE: **-16,905 SQ FT**

SPECIAL EDUCATION

EXISTING: 8,788 SQ FT
MSBA GUIDELINE: 13,090 SQ FT
DIFFERENCE: **-4,302 SQ FT**

ARTS & MUSIC

EXISTING: 3,555 SQ FT
MSBA GUIDELINE: 8,200 SQ FT
DIFFERENCE: **-4,645 SQ FT**

VOCATIONS & TECHNOLOGY

EXISTING: 3,116 SQ FT
MSBA GUIDELINE: 12,800 SQ FT
DIFFERENCE: **-9,684 SQ FT**

HEALTH & PHYSICAL EDUCATION

EXISTING: 16,467 SQ FT
MSBA GUIDELINE: 23,200 SQ FT
DIFFERENCE: **-6,733 SQ FT**

MEDIA CENTER

EXISTING: 9,299 SQ FT
MSBA GUIDELINE: 7,713 SQ FT
DIFFERENCE: **+1586 SQ FT**

AUDITORIUM / DRAMA

EXISTING: 11,177 SQ FT
MSBA GUIDELINE: 10,400 SQ FT
DIFFERENCE: **+777 SQ FT**

DINING & FOOD SERVICE

EXISTING: 8,408 SQ FT
MSBA GUIDELINE: 10,426 SQ FT
DIFFERENCE: **-2,018 SQ FT**

MEDICAL

EXISTING: 614 SQ FT
MSBA GUIDELINE: 1,110 SQ FT
DIFFERENCE: -496 SQ FT

ADMINISTRATION & GUIDANCE

EXISTING: 4,066 SQ FT
MSBA GUIDELINE: 5,014 SQ FT
DIFFERENCE: -948 SQ FT

CUSTODIAL & MAINTENANCE

EXISTING: 942 SQ FT
MSBA GUIDELINE: 2,563 SQ FT
DIFFERENCE: **1,621 SQ FT**

OTHER

EXISTING: 777 SQ FT
MSBA GUIDELINE: 0 SQ FT
DIFFERENCE: **+777 SQ FT**

TOTAL NET

EXISTING: 109,944 SQ FT
MSBA GUIDELINE: 154,154 SQ FT
DIFFERENCE: **-44,210 SQ FT**

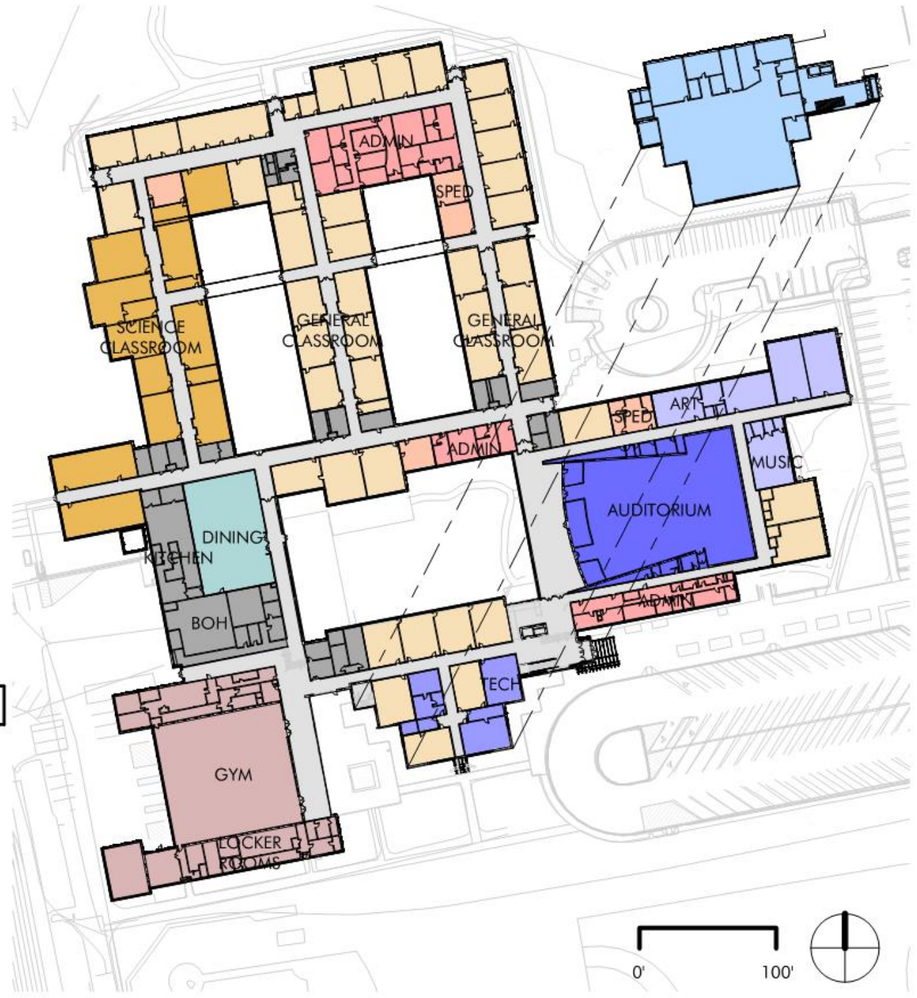
TOTAL BUILDING GROSS

EXISTING: 168,422 SQ FT
MSBA GUIDELINE: 225,000 SQ FT
DIFFERENCE: **-56,578 SQ FT**

*** ALL SPACES ARE UNDER THE MSBA GUIDELINE EXCEPT FOR SPACES IN MEDIA CENTER, AUDITORIUM/DRAMA AND OTHER CATEGORIES.**

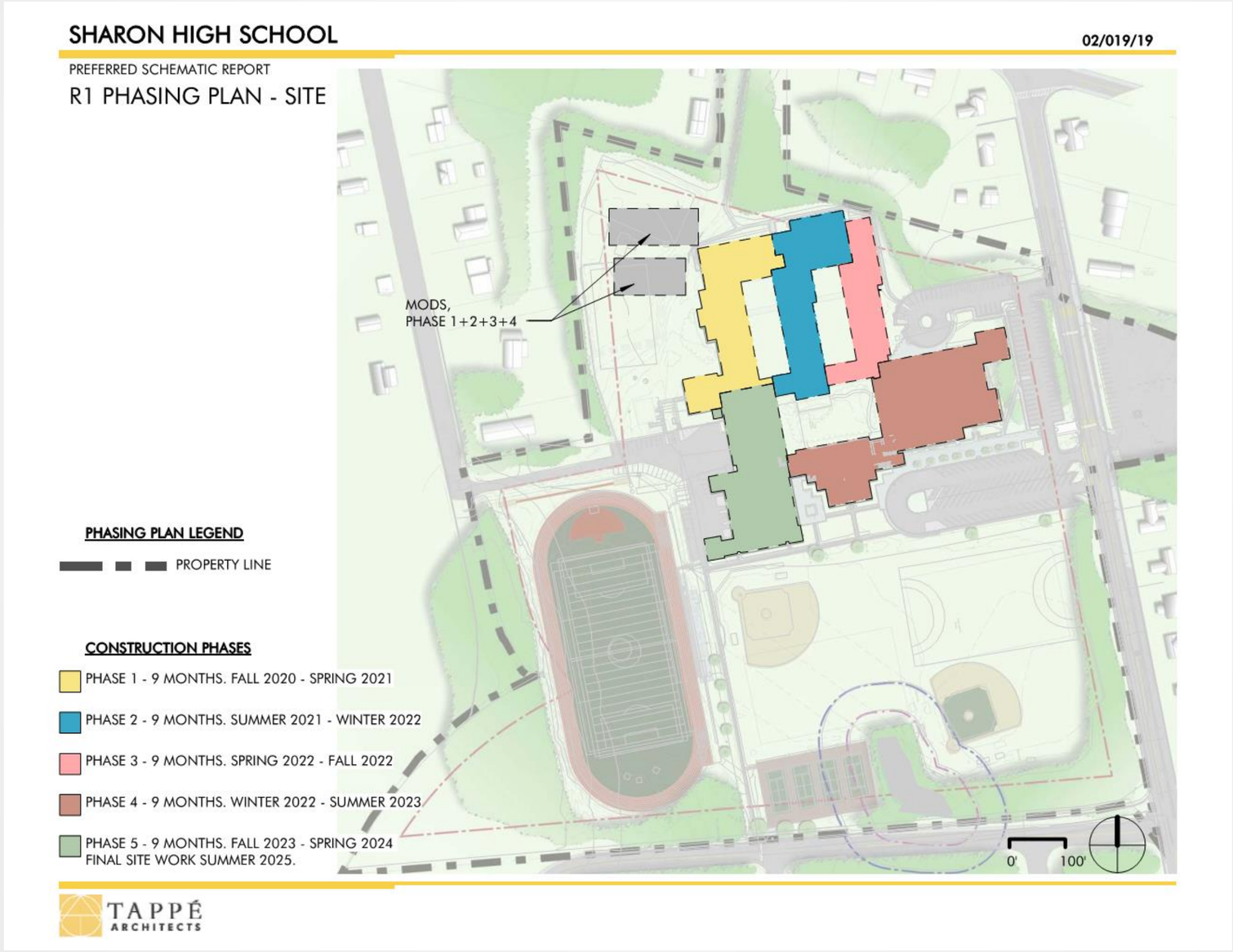
DEPARTMENT LEGEND

- CORE ACADEMIC
- SCIENCE
- SPED
- ART / MUSIC
- AUDITORIUM
- VOC / TECH
- HEALTH / GYM
- MEDIA / LIBRARY
- ADMIN., & MED.
- DINING / FOOD
- COMMUNITY
- BOH

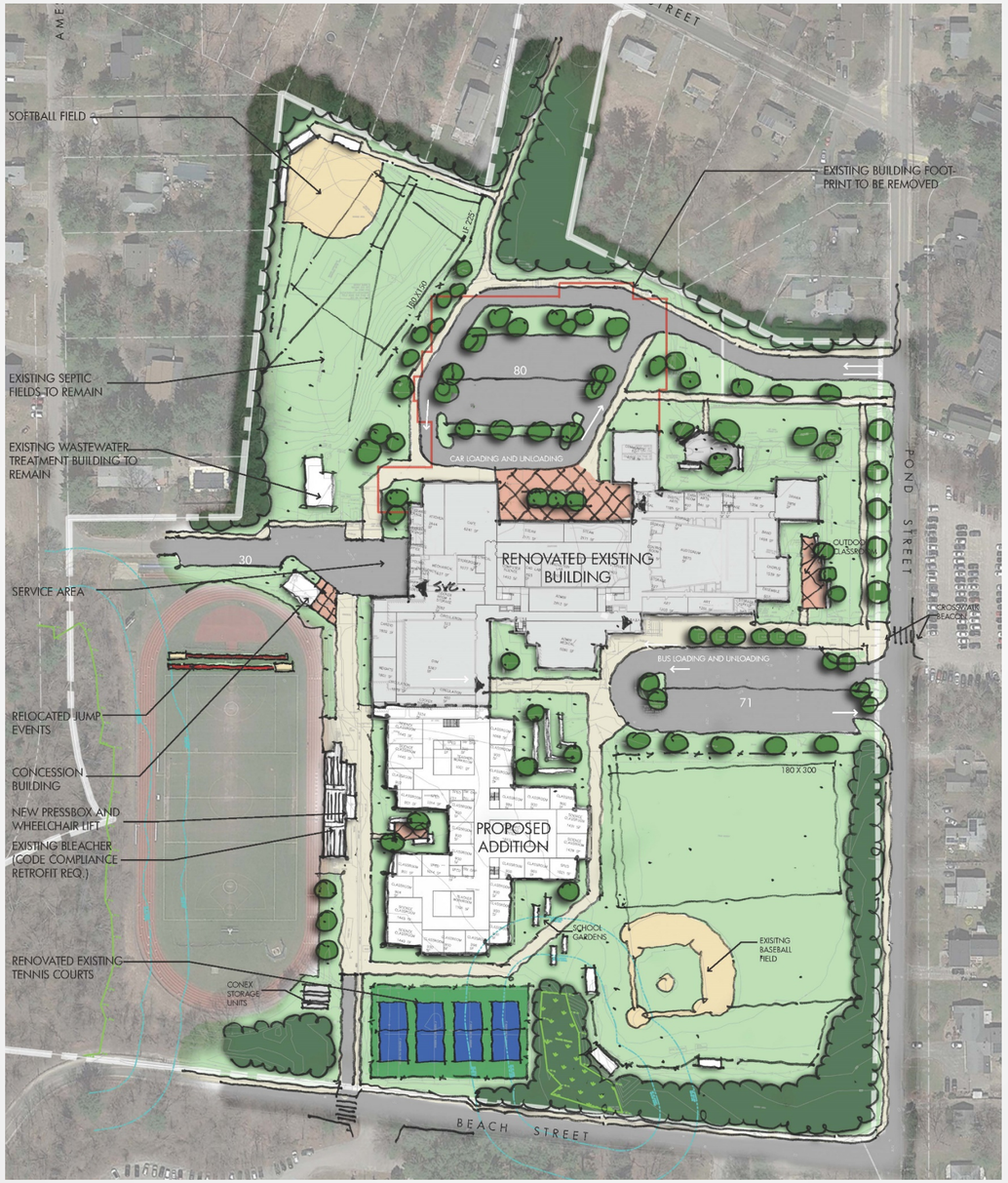


TAPPÉ ARCHITECTS

Option R-1 (Renovation) – Site Phasing



Option AR - 1 (Addition / Renovation) – Site Plan



Option AR - 1 (Addition / Renovation) – First Floor Plan

SHARON HIGH SCHOOL

02/019/19

PREFERRED SCHEMATIC REPORT

AR1 FIRST FLOOR PLAN

SPACE REQUIREMENTS SUMMARY

CORE ACADEMICS SPACES

EXISTING: 42,735 SQ FT
MSBA GUIDELINE: 59,640 SQ FT
PROPOSED: 62,280 SQ FT

DINING & FOOD SERVICE

EXISTING: 8,408 SQ FT
MSBA GUIDELINE: 10,426 SQ FT
PROPOSED: 10,426 SQ FT

SPECIAL EDUCATION

EXISTING: 8,788 SQ FT
MSBA GUIDELINE: 13,090 SQ FT
PROPOSED: 12,430 SQ FT

MEDICAL

EXISTING: 614 SQ FT
MSBA GUIDELINE: 1,110 SQ FT
PROPOSED: 1,110 SQ FT

ARTS & MUSIC

EXISTING: 3,555 SQ FT
MSBA GUIDELINE: 8,200 SQ FT
PROPOSED: 8,200 SQ FT

ADMINISTRATION & GUIDANCE

EXISTING: 4,066 SQ FT
MSBA GUIDELINE: 5,014 SQ FT
PROPOSED: 5,014 SQ FT

VOCATIONS & TECHNOLOGY

EXISTING: 3,116 SQ FT
MSBA GUIDELINE: 12,800 SQ FT
PROPOSED: 12,800 SQ FT

CUSTODIAL & MAINTENANCE

EXISTING: 942 SQ FT
MSBA GUIDELINE: 2,563 SQ FT
PROPOSED: 2,563 SQ FT

HEALTH & PHYSICAL EDUCATION

EXISTING: 16,467 SQ FT
MSBA GUIDELINE: 23,200 SQ FT
PROPOSED: 26,655 SQ FT

OTHER

EXISTING: 777 SQ FT
MSBA GUIDELINE: 0 SQ FT
PROPOSED: 2,515 SQ FT

MEDIA CENTER

EXISTING: 9,299 SQ FT
MSBA GUIDELINE: 7,713 SQ FT
PROPOSED: 7,713 SQ FT

TOTAL NET

EXISTING: 109,944 SQ FT
MSBA GUIDELINE: 154,154 SQ FT
PROPOSED: 154,154 SQ FT

AUDITORIUM / DRAMA

EXISTING: 11,177 SQ FT
MSBA GUIDELINE: 10,400 SQ FT
PROPOSED: 13,280 SQ FT

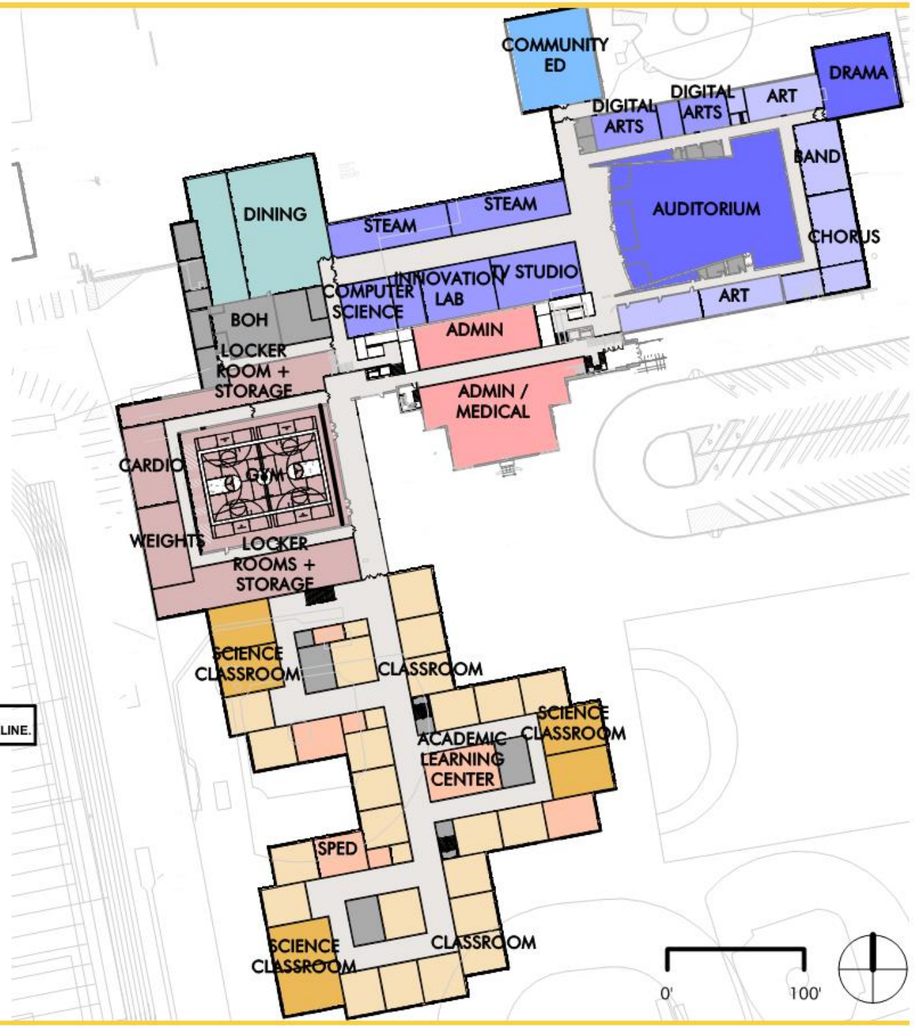
TOTAL BUILDING GROSS

EXISTING: 168,422 SQ FT
MSBA GUIDELINE: 225,000 SQ FT
PROPOSED: **249,928 SQ FT**

*** ALL SPACES MEET OR EXCEED THE MSBA GUIDELINE. THE PROPOSED TOTAL BUILDING GROSS IS 24,928 SQ FT LARGER THAN THE MSBA GUIDELINE.**

DEPARTMENT LEGEND

- CORE ACADEMIC
- SCIENCE
- SPED
- ART / MUSIC
- AUDITORIUM
- VOC / TECH
- HEALTH / GYM
- MEDIA / LIBRARY
- ADMIN., & MED.
- DINING / FOOD
- COMMUNITY
- BOH



TAPPÉ ARCHITECTS

Option AR - 1 (Addition / Renovation) – Second Floor Plan

SHARON HIGH SCHOOL

02/019/19

PREFERRED SCHEMATIC REPORT

AR1 SECOND FLOOR PLAN

SPACE REQUIREMENTS SUMMARY

CORE ACADEMICS SPACES

EXISTING: 42,735 SQ FT
MSBA GUIDELINE: 59,640 SQ FT
PROPOSED: 62,280 SQ FT

SPECIAL EDUCATION

EXISTING: 8,788 SQ FT
MSBA GUIDELINE: 13,090 SQ FT
PROPOSED: 12,430 SQ FT

ARTS & MUSIC

EXISTING: 3,555 SQ FT
MSBA GUIDELINE: 8,200 SQ FT
PROPOSED: 8,200 SQ FT

VOCATIONS & TECHNOLOGY

EXISTING: 3,116 SQ FT
MSBA GUIDELINE: 12,800 SQ FT
PROPOSED: 12,800 SQ FT

HEALTH & PHYSICAL EDUCATION

EXISTING: 16,467 SQ FT
MSBA GUIDELINE: 23,200 SQ FT
PROPOSED: 26,655 SQ FT

MEDIA CENTER

EXISTING: 9,299 SQ FT
MSBA GUIDELINE: 7,713 SQ FT
PROPOSED: 7,713 SQ FT

AUDITORIUM / DRAMA

EXISTING: 11,177 SQ FT
MSBA GUIDELINE: 10,400 SQ FT
PROPOSED: 13,280 SQ FT

DINING & FOOD SERVICE

EXISTING: 8,408 SQ FT
MSBA GUIDELINE: 10,426 SQ FT
PROPOSED: 10,426 SQ FT

MEDICAL

EXISTING: 614 SQ FT
MSBA GUIDELINE: 1,110 SQ FT
PROPOSED: 1,110 SQ FT

ADMINISTRATION & GUIDANCE

EXISTING: 4,066 SQ FT
MSBA GUIDELINE: 5,014 SQ FT
PROPOSED: 5,014 SQ FT

CUSTODIAL & MAINTENANCE

EXISTING: 942 SQ FT
MSBA GUIDELINE: 2,563 SQ FT
PROPOSED: 2,563 SQ FT

OTHER

EXISTING: 777 SQ FT
MSBA GUIDELINE: 0 SQ FT
PROPOSED: 2,515 SQ FT

TOTAL NET

EXISTING: 109,944 SQ FT
MSBA GUIDELINE: 154,154 SQ FT
PROPOSED: 154,154 SQ FT

TOTAL BUILDING GROSS

EXISTING: 168,422 SQ FT
MSBA GUIDELINE: 225,000 SQ FT
PROPOSED: **249,928 SQ FT**

*** ALL SPACES MEET OR EXCEED THE MSBA GUIDELINE. THE PROPOSED TOTAL BUILDING GROSS IS 24,928 SQ FT LARGER THAN THE MSBA GUIDELINE.**

DEPARTMENT LEGEND

- CORE ACADEMIC
- SCIENCE
- SPED
- ART / MUSIC
- AUDITORIUM
- VOC / TECH
- HEALTH / GYM
- MEDIA / LIBRARY
- ADMIN., & MED.
- DINING / FOOD
- COMMUNITY
- BOH

TAPPÉ ARCHITECTS

Option AR - 1 (Addition / Renovation) – Site Phasing

SHARON HIGH SCHOOL

02/019/19

AR1 PHASING PLAN - SITE

PHASING PLAN LEGEND

- PROPOSED SITE MODIFICATIONS
- DENOTES ATHLETIC FIELD TO REMAIN
- CONSTRUCTION ENCLOSURE - PHASE 1
- CONSTRUCTION ENCLOSURE - PHASE 2
- PROPERTY LINE

CONSTRUCTION PHASES

- PHASE 1 - 1.5 YEARS. NEW CONSTRUCTION OF CLASSROOM WING. GYM ADD/RENO. FALL 2020-SPRING 2022. OCCUPANCY SEPT. 2022
- PHASE 2 - 6 MONTHS. DEMOLISH OLD CLASSROOM WING. SPRING 2022-FALL 2022
- PHASE 3 - 1 YEAR. ADD/ RENO KITCHEN/CAFE, ARTS, MUSIC, DRAMA, COMMUNITY ED, MEDIA, STEAM, TV, ENTRY, ADMIN. FALL 2022-FALL 2023. FINAL SITE WORK SPRING 2023.

TAPPÉ ARCHITECTS

Option N4 – Site Plan

Option N4 – New Construction – First Floor Plan

Option N4 – New Construction – Second Floor Plan

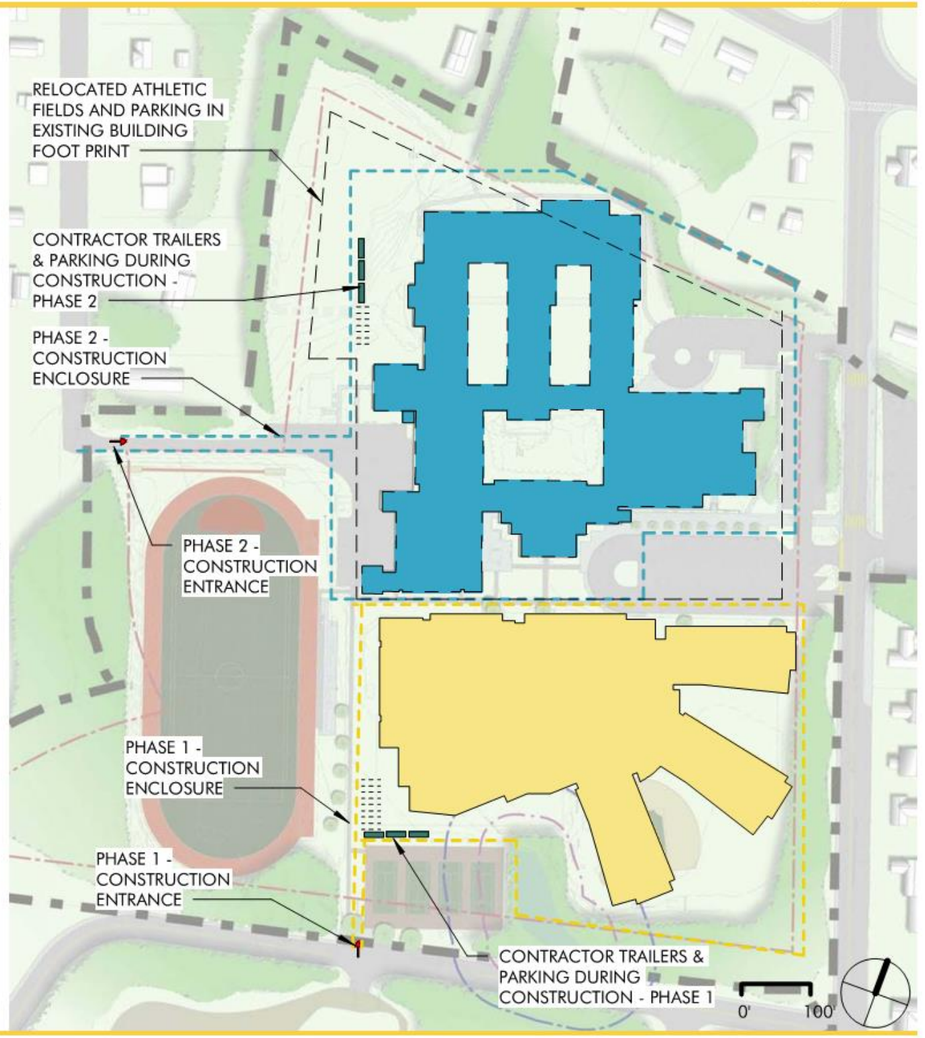
Option N4 – New Construction – Site Phasing

SHARON HIGH SCHOOL PSR

02/19/2019

PREFERRED SCHEMATIC REPORT

N4 - PHASING DIAGRAM



PHASING PLAN LEGEND

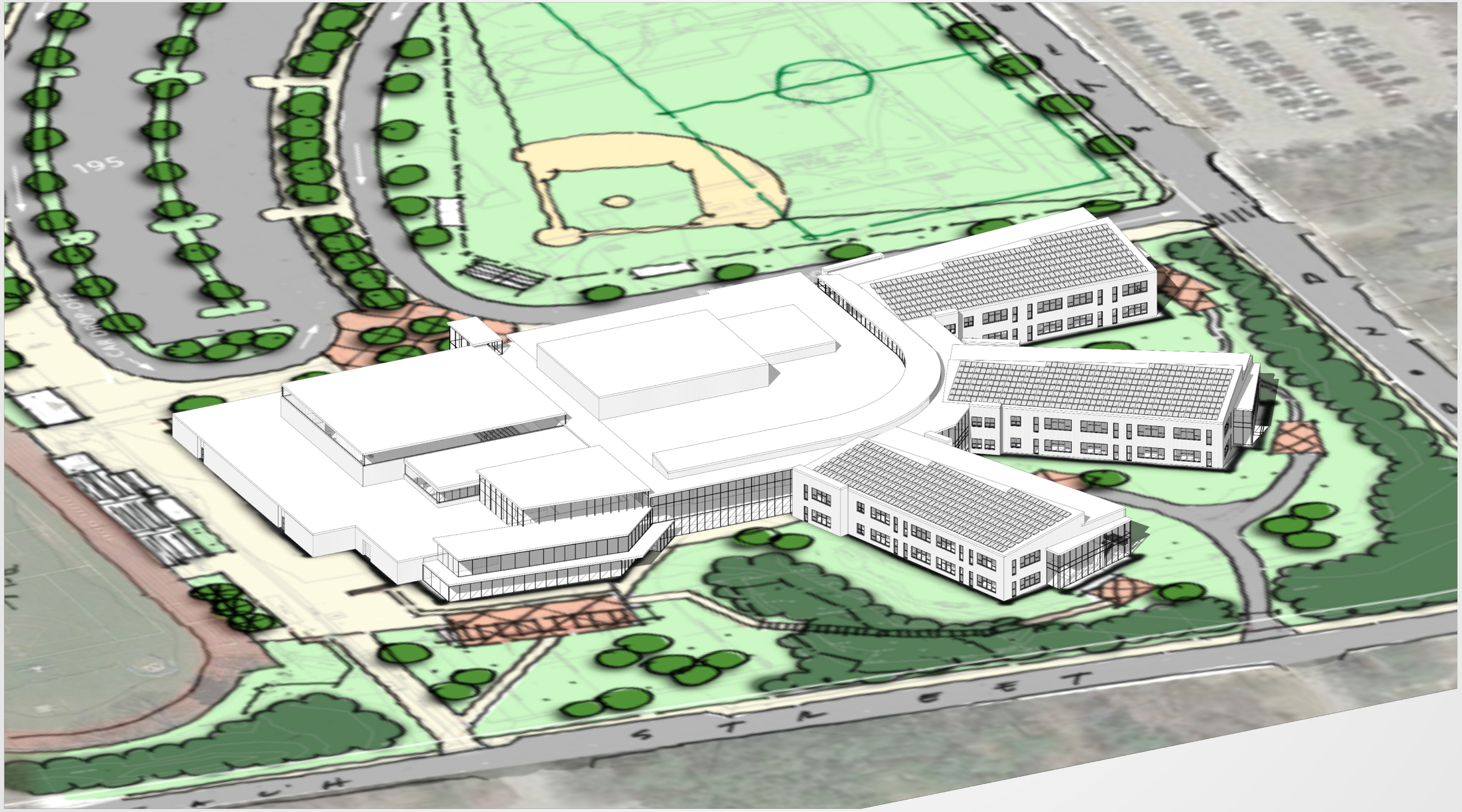
- PROPOSED SITE MODIFICATIONS
- CONSTRUCTION ENCLOSURE - PHASE 1
- CONSTRUCTION ENCLOSURE - PHASE 2
- PROPERTY LINE

CONSTRUCTION PHASES

- PHASE 1 - 1.5 YEARS. NEW CONSTRUCTION OF REPLACEMENT SCHOOL. FALL 2020-SPRING 2022. OCCUPANCY SEPT. 2022
- PHASE 2 - EXISTING HIGH SCHOOL REMAINS OPEN DURING CONSTRUCTION. DEMOLITION OF EXISTING BUILDING FOLLOWING REPLACEMENT BUILDING CONSTRUCTION. DEMOTION - SUMMER/FALL 2022. FINAL SITE WORK AS REQUIRED 2023.

TAPPÉ ARCHITECTS

Option N4

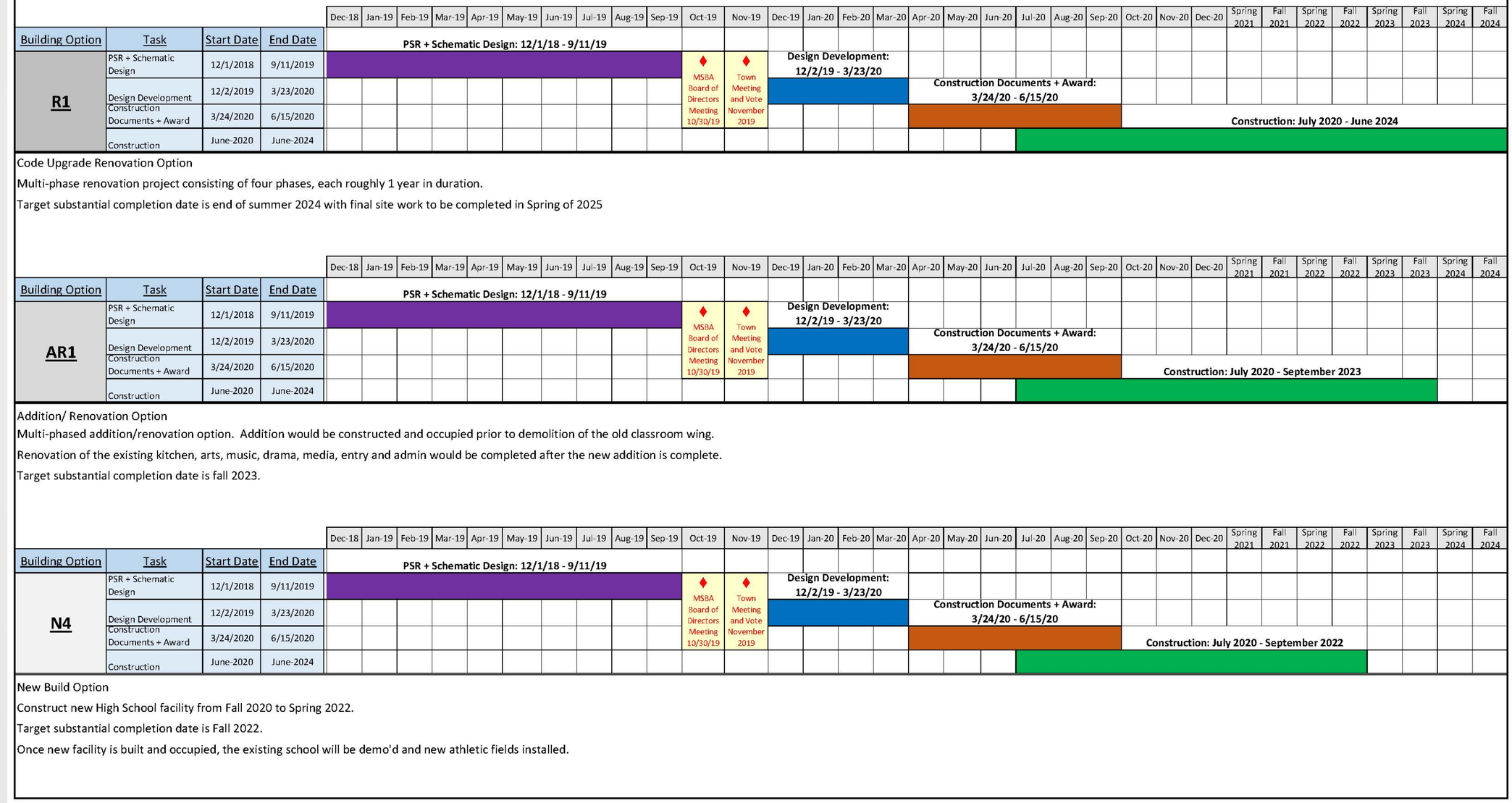


Option N4

Conceptual Project Schedule

Sharon High School Building Project

Building Option Timelines



Code Upgrade Renovation Option

Multi-phase renovation project consisting of four phases, each roughly 1 year in duration.

Target substantial completion date is end of summer 2024 with final site work to be completed in Spring of 2025

Addition/ Renovation Option

Multi-phased addition/renovation option. Addition would be constructed and occupied prior to demolition of the old classroom wing.

Renovation of the existing kitchen, arts, music, drama, media, entry and admin would be completed after the new addition is complete.

Target substantial completion date is fall 2023.

New Build Option

Construct new High School facility from Fall 2020 to Spring 2022.

Target substantial completion date is Fall 2022.

Once new facility is built and occupied, the existing school will be demo'd and new athletic fields installed.

Community Outreach

- **Public Forum – 3/6/19**
  - Forum for Sharon Community to see options and provide feedback.
  - **7:00pm – 9pm in the High School Library**

- **Special Town Meeting Date – 11/04/19**

- **Town Election (debt exclusion) – 11/12/19 OR 11/19/19**

- **SHS Building Project Website**
  - https://www.sharon.k12.ma.us/Page/5496

- **SHS Building Project Facebook Page**
  - https://www.facebook.com/SharonHighSchoolBuildingProject/

Next Steps:

- **Continue to Develop PSR Options**
- **SBC Meetings – 3/5/19; 3/19/19**
- **Public Forum – 3/6/19 -** Present 3 options, get public feedback
- **School Committer Vote on preferred option – 3/13/19**
- **School Building Committee Vote on preferred option – 3/19/19**
- **Complete PSR submitted to MSBA (3-21-19)**

Thank You!