



Massachusetts School
Building Authority





Nitsch Engineering
Civil Engineer



Studio 2112
Landscape Architect



Seaman Engineering
Mechanical + Plumbing
Engineer



ART Engineering
Electrical Engineer



Bolton & Dimartino Inc.
Structural Engineer

SENSIBLE SOLUTIONS

Sensible Solutions
Fire Protection Engineer



Colburn & Guyette
Food Service Consultant



Cavanaugh Tocci & Associates
Acoustics and Theater
Consultant



The Green Engineer
Sustainable Design Consultant



Architx Architecture
Specifications Consultant

BLUELINE DESIGN

Blueline Design / Edvance Technology
FF&E / Technology Consultant



RW Sullivan
Code Consultant



Lahlaf Geotechnical Consulting Inc.
Geotechnical Consultant



Universal Environmental Consultants
Hazardous Materials Consultant

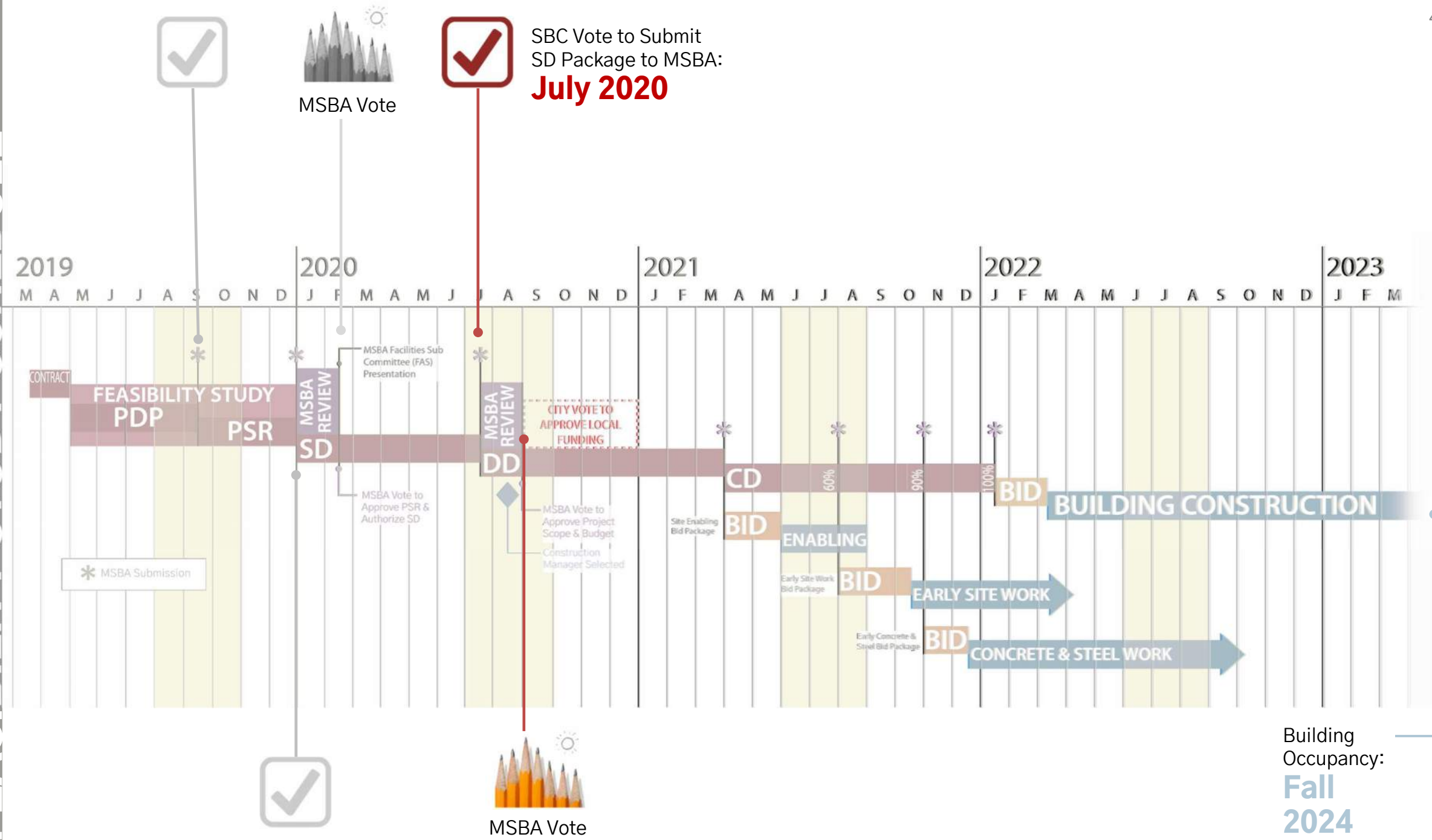


Davey Resource Group
Arborist Consultant

DEVELOP THE PSR PREFERRED SOLUTION

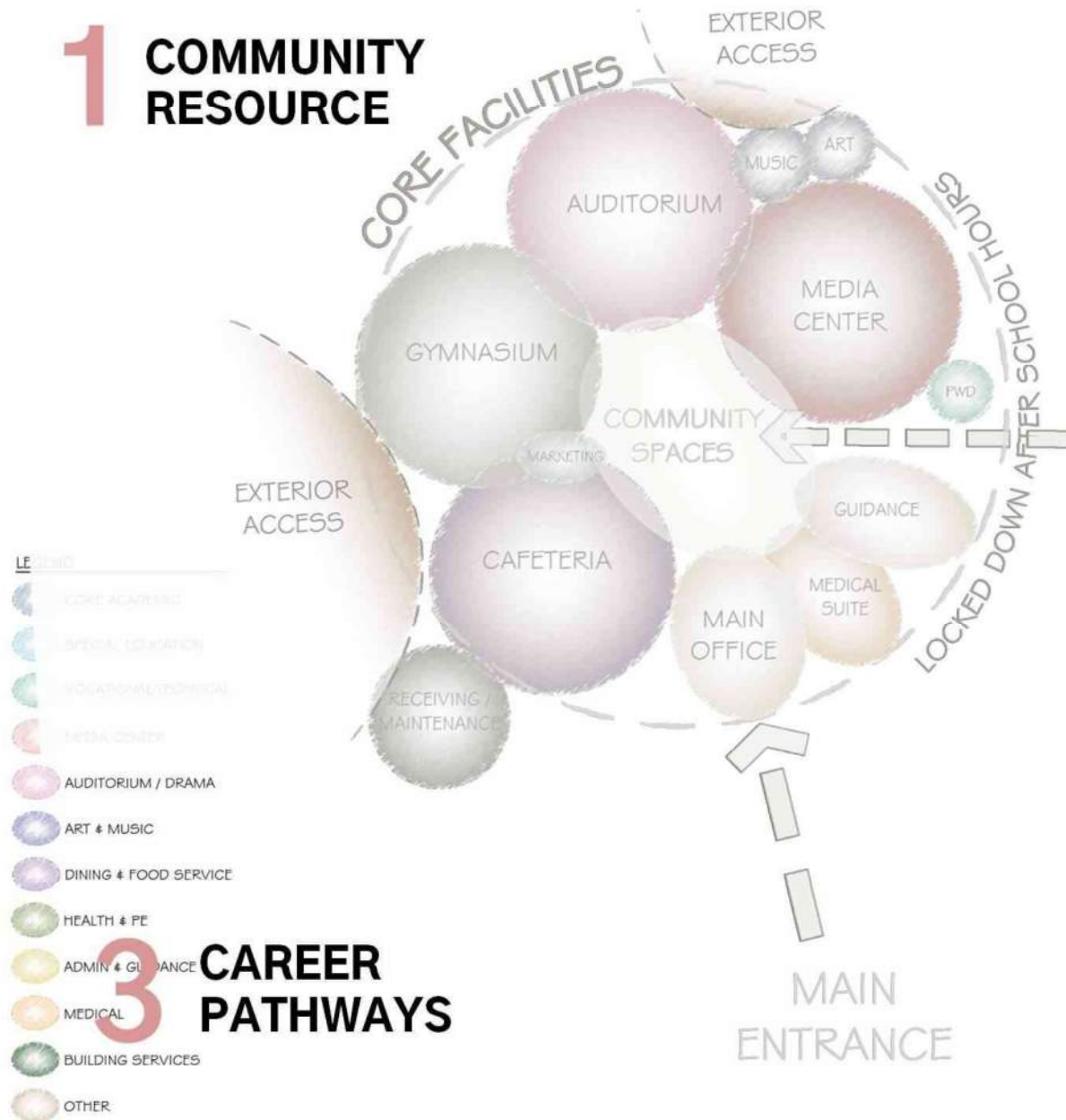
- **ADVANCE PROJECT GOALS AND VISION**
 - 50 YEAR FACILITY DESIGN
 - REFINE PROGRAM & SPACE REQUIREMENTS
 - SITE DESIGN APPROPRIATE TO CONTEXT
 - SPECIAL EDUCATION DESE FILING
 - TARGET SUSTAINABLE DESIGN STRATEGIES
- **ESTABLISH THE PROJECT BUDGET**
 - SCHOOL BUILDING COMMITTEE / CITY COUNCIL VOTE
 - PROJECT FUNDING AGREEMENT
- **OPTIMIZE PROJECT SCHEDULE**
 - CM @ RISK APPROVAL

FEASIBILITY STUDY SCHEDULE

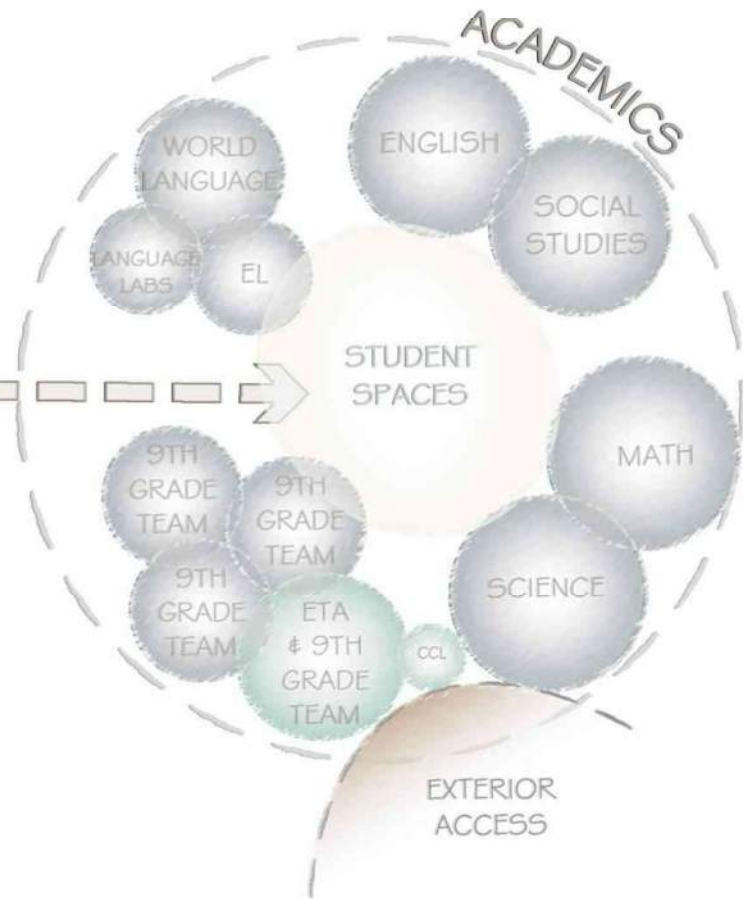




1 COMMUNITY RESOURCE



2 CLUSTERS OF LEARNING



4 EXTERIOR CONNECTIONS

421,858 Gross Square Feet Required by Proposed Educational Program

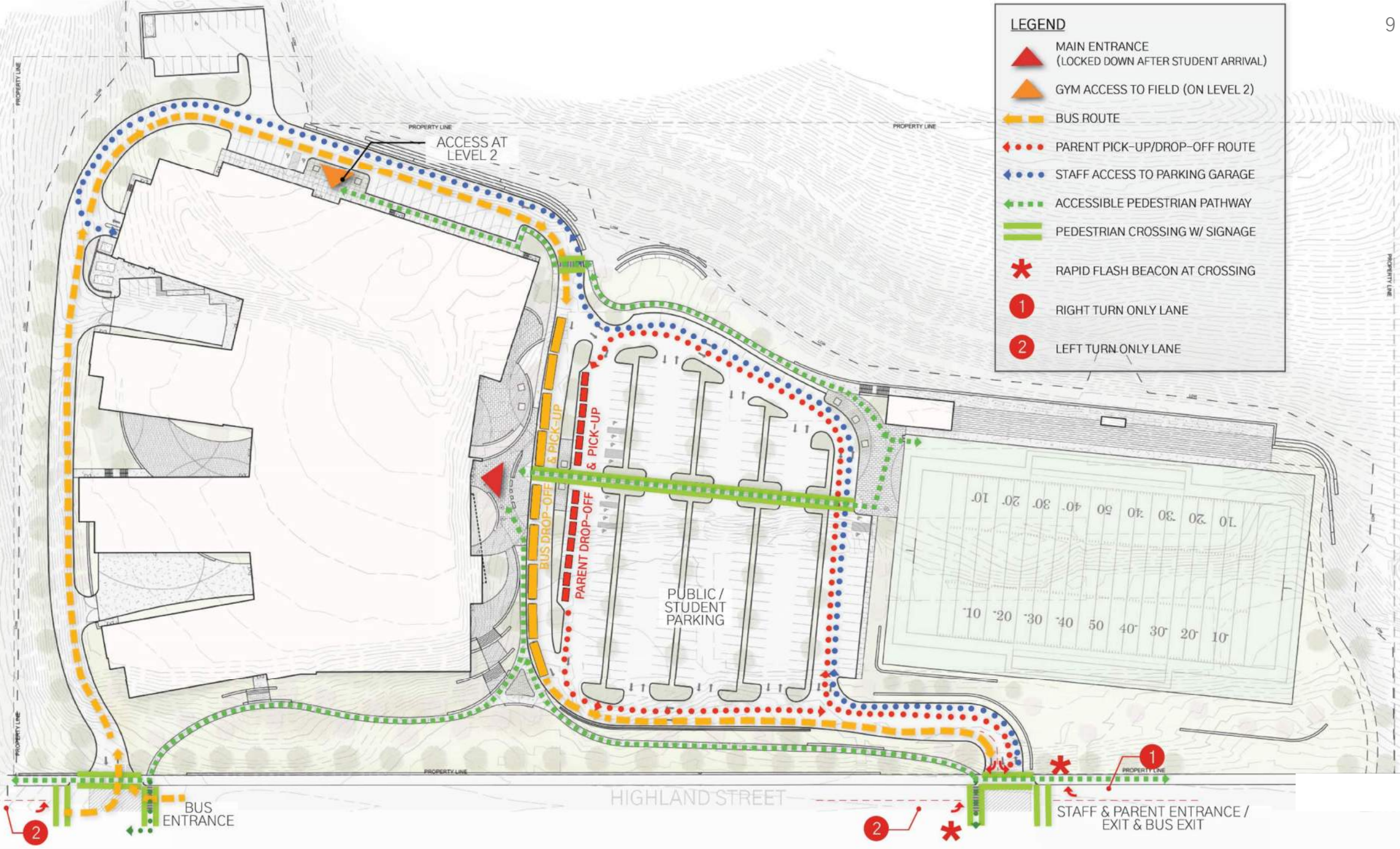
DOHERTY SITE: EXISTING

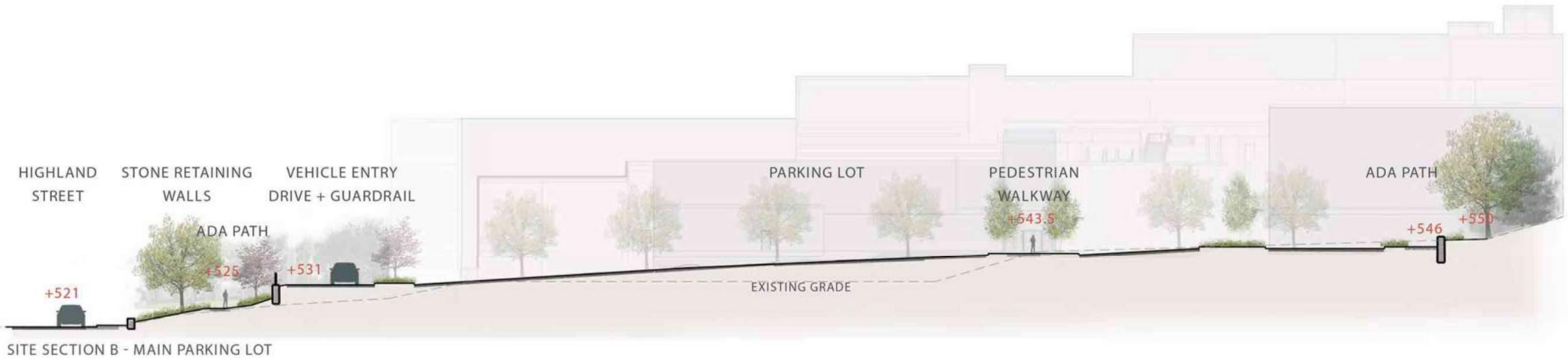


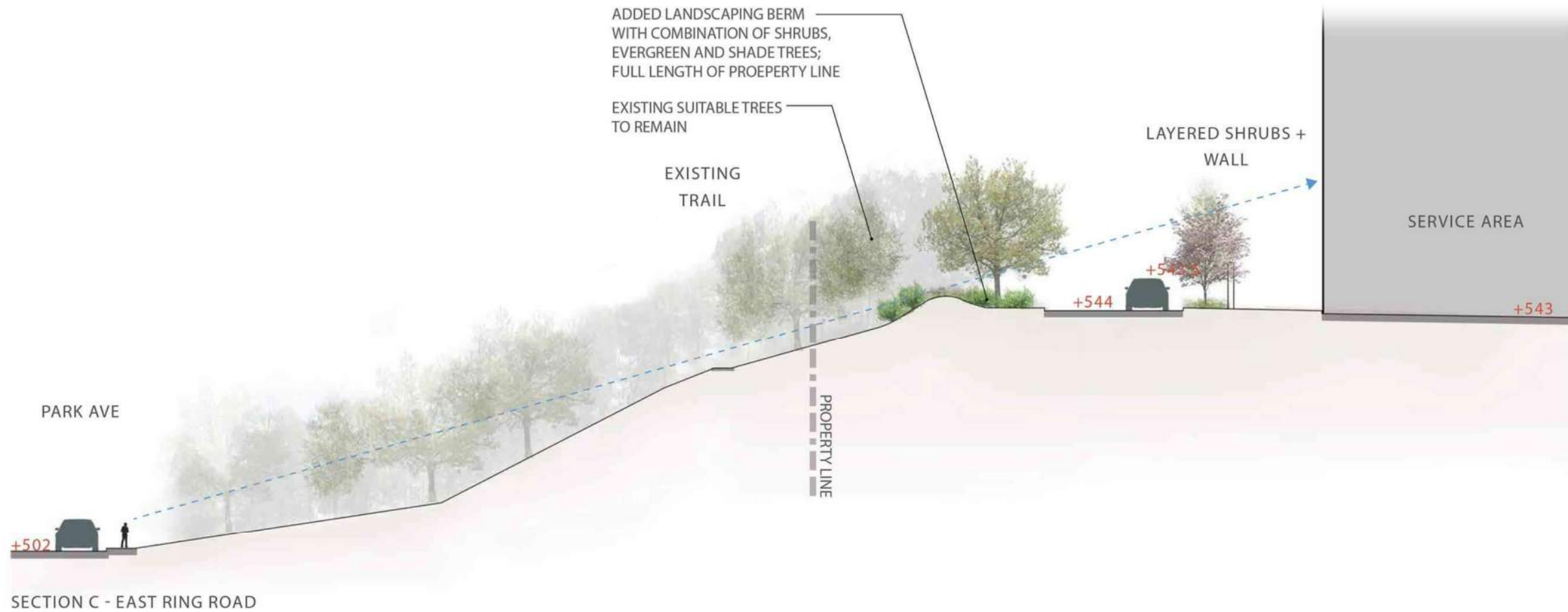
SITE PLAN: SITE FEATURES



SITE PLAN: CIRCULATION







PHASE 1 – EXISTING SITE ENABLING WORK








SCOPE:

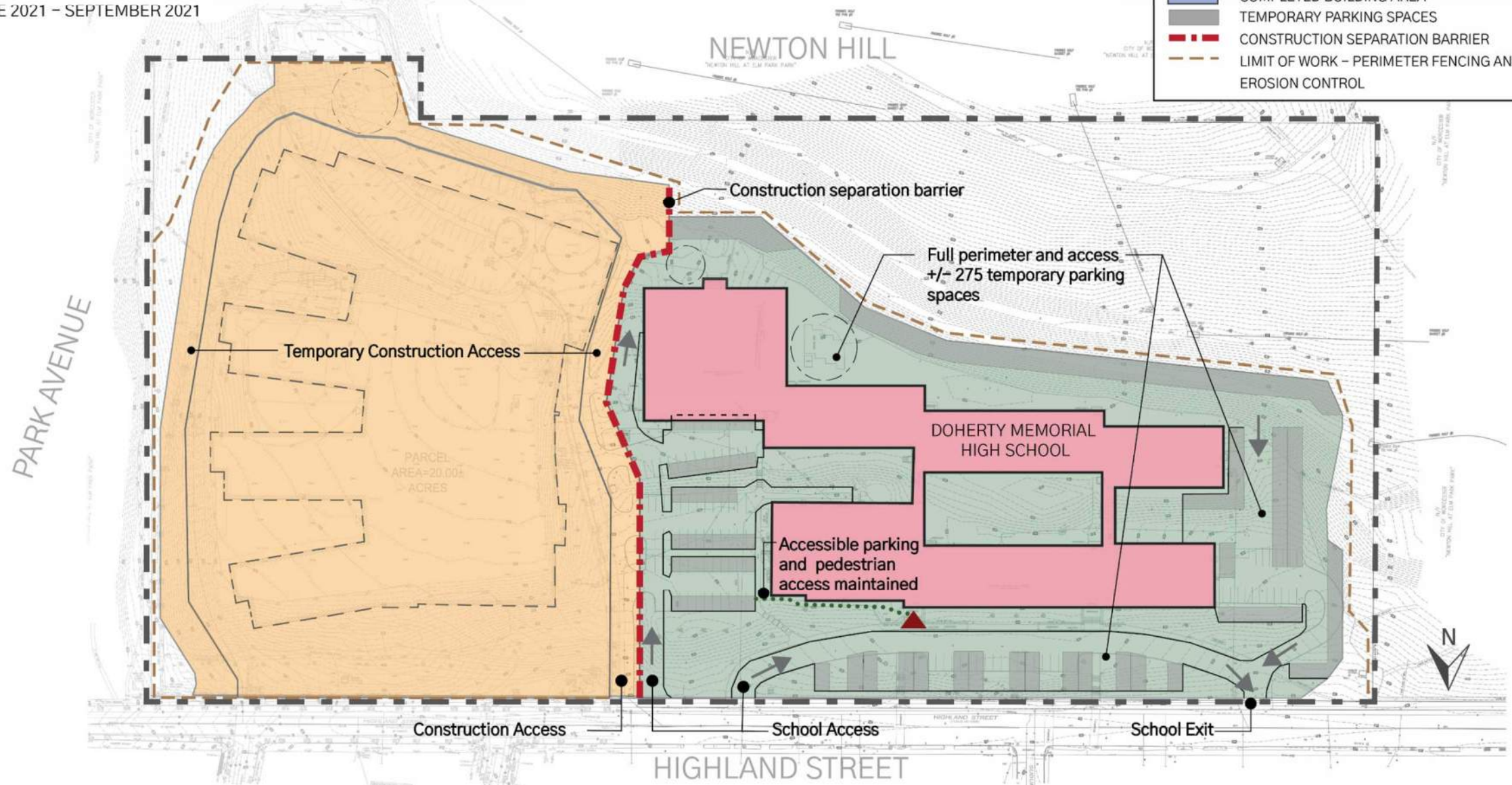
- Install perimeter fencing and erosion control
- Install construction separation barrier between existing school and construction site
- Install temporary parking, access road, and signage around existing school

JUNE 2021 – SEPTEMBER 2021

NEW CONSTRUCTION – SITE PHASING PLANS

LEGEND

	CM WORK AREA
	OWNER OCCUPIED AREA
	EXISTING BUILDING AREA
	COMPLETED BUILDING AREA
	TEMPORARY PARKING SPACES
	CONSTRUCTION SEPARATION BARRIER
	LIMIT OF WORK – PERIMETER FENCING AND EROSION CONTROL



LEGEND

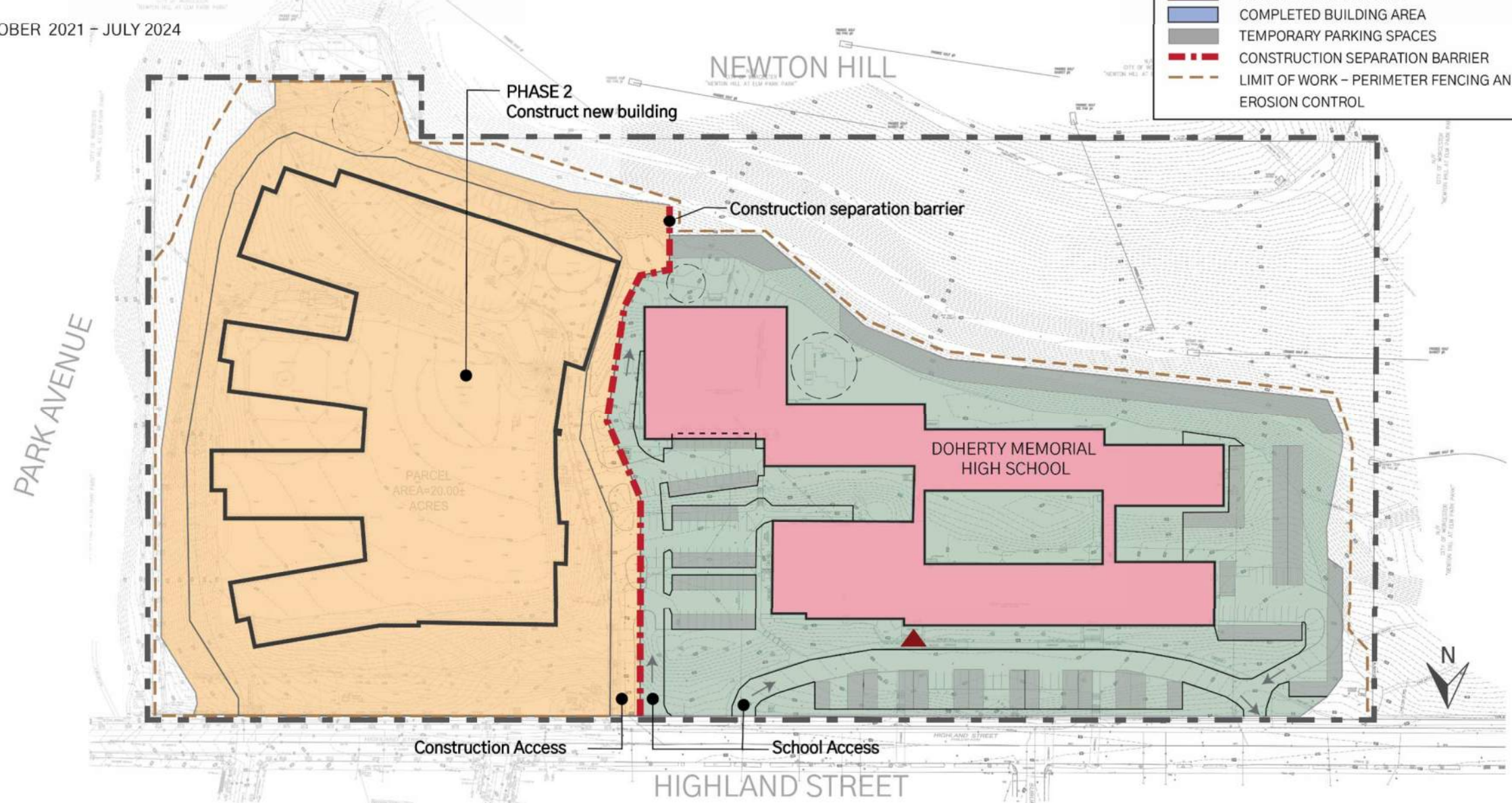
	CM WORK AREA
	OWNER OCCUPIED AREA
	EXISTING BUILDING AREA
	COMPLETED BUILDING AREA
	TEMPORARY PARKING SPACES
	CONSTRUCTION SEPARATION BARRIER
	LIMIT OF WORK - PERIMETER FENCING AND EROSION CONTROL

PHASE 2 - BUILDING CONSTRUCTION

SCOPE:

- Maintain separation of existing school and construction site
- Construct new school building
- Prepare for moving to the new school and demolition of the existing school

OCTOBER 2021 - JULY 2024



PHASE 3 – EXISTING BUILDING DEMOLITION & SITE CONSTRUCTION

SCOPE:

- Maintain separation of new school and construction site
- Phase 3A: Abate and demolish the existing gymnasium and academic building
- Construct parking and access for use by student school year 2024
- Phase 3B: Abate and demolish the existing auditorium

JULY 2024 – NOVEMBER 2024

NEW CONSTRUCTION – SITE PHASING PLANS

LEGEND

	CM WORK AREA
	OWNER OCCUPIED AREA
	EXISTING BUILDING AREA
	COMPLETED BUILDING AREA
	TEMPORARY PARKING SPACES
	CONSTRUCTION SEPARATION BARRIER
	LIMIT OF WORK – PERIMETER FENCING AND EROSION CONTROL



PHASE 4 – SITE CONSTRUCTION



SCOPE:

- Phase 4: Abate and demolish the remainder of the existing school
- Construct sports field, bleachers, and support building
- Complete all landscape work
- Site Completion, Summer 2025

SEPTEMBER 2024 – JUNE 2025

NEW CONSTRUCTION – SITE PHASING PLANS

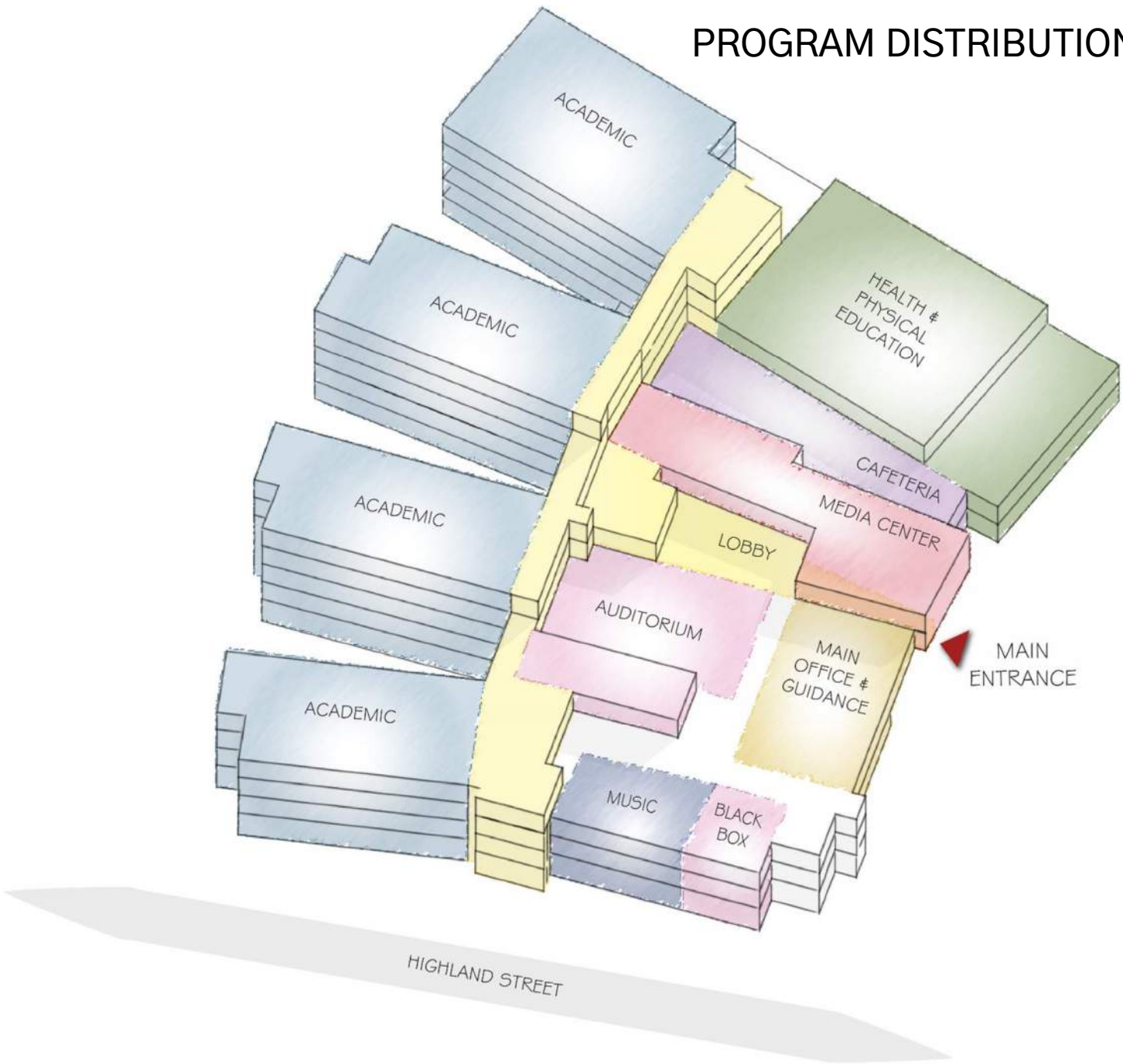
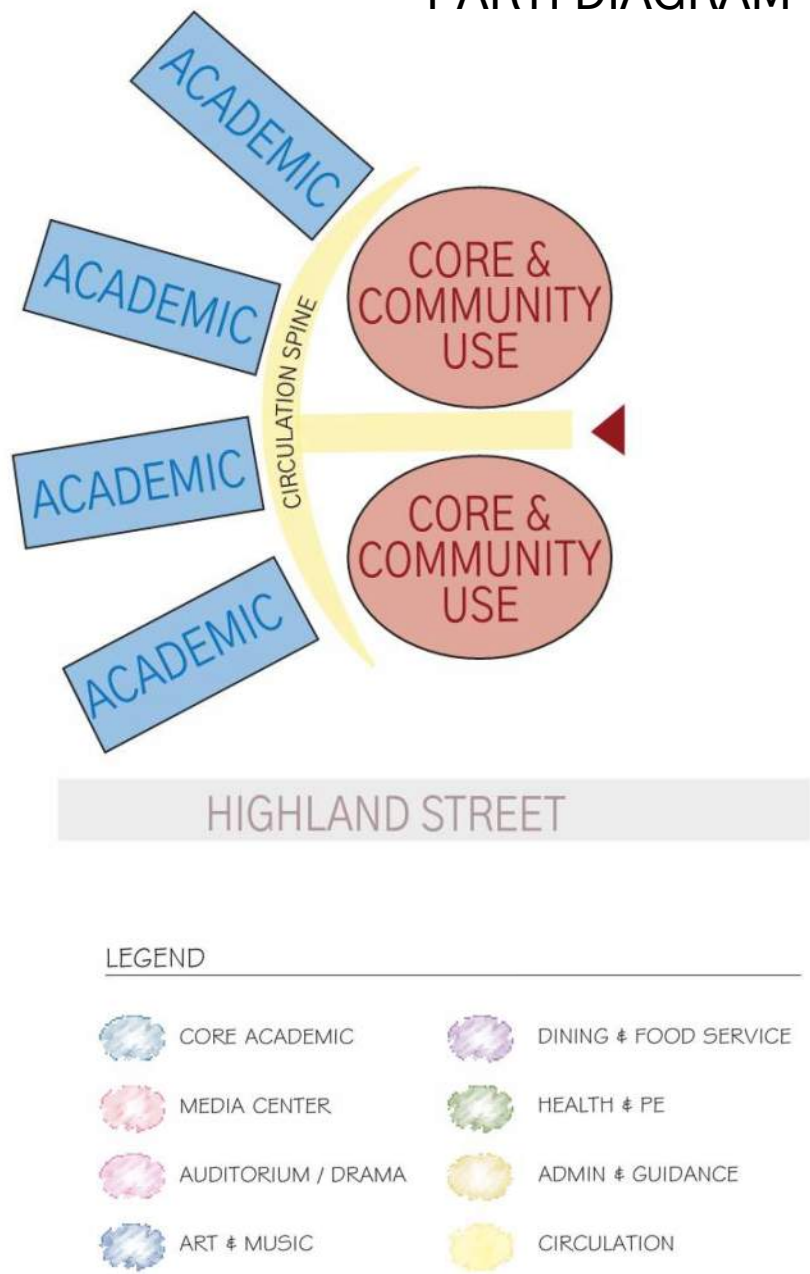
LEGEND

	CM WORK AREA
	OWNER OCCUPIED AREA
	EXISTING BUILDING AREA
	COMPLETED BUILDING AREA
	TEMPORARY PARKING SPACES
	CONSTRUCTION SEPARATION BARRIER
	LIMIT OF WORK – PERIMETER FENCING AND EROSION CONTROL

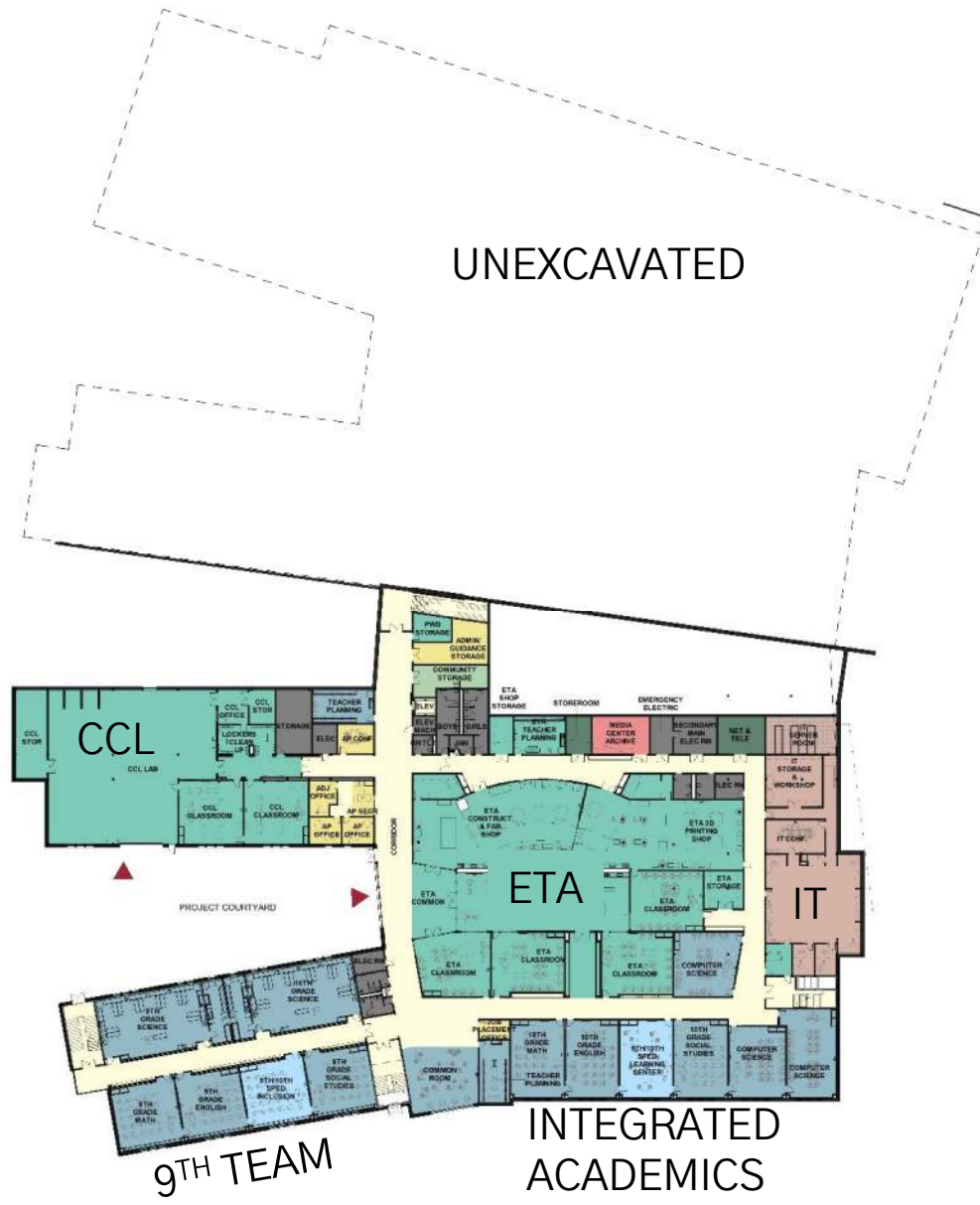


PARTI DIAGRAM

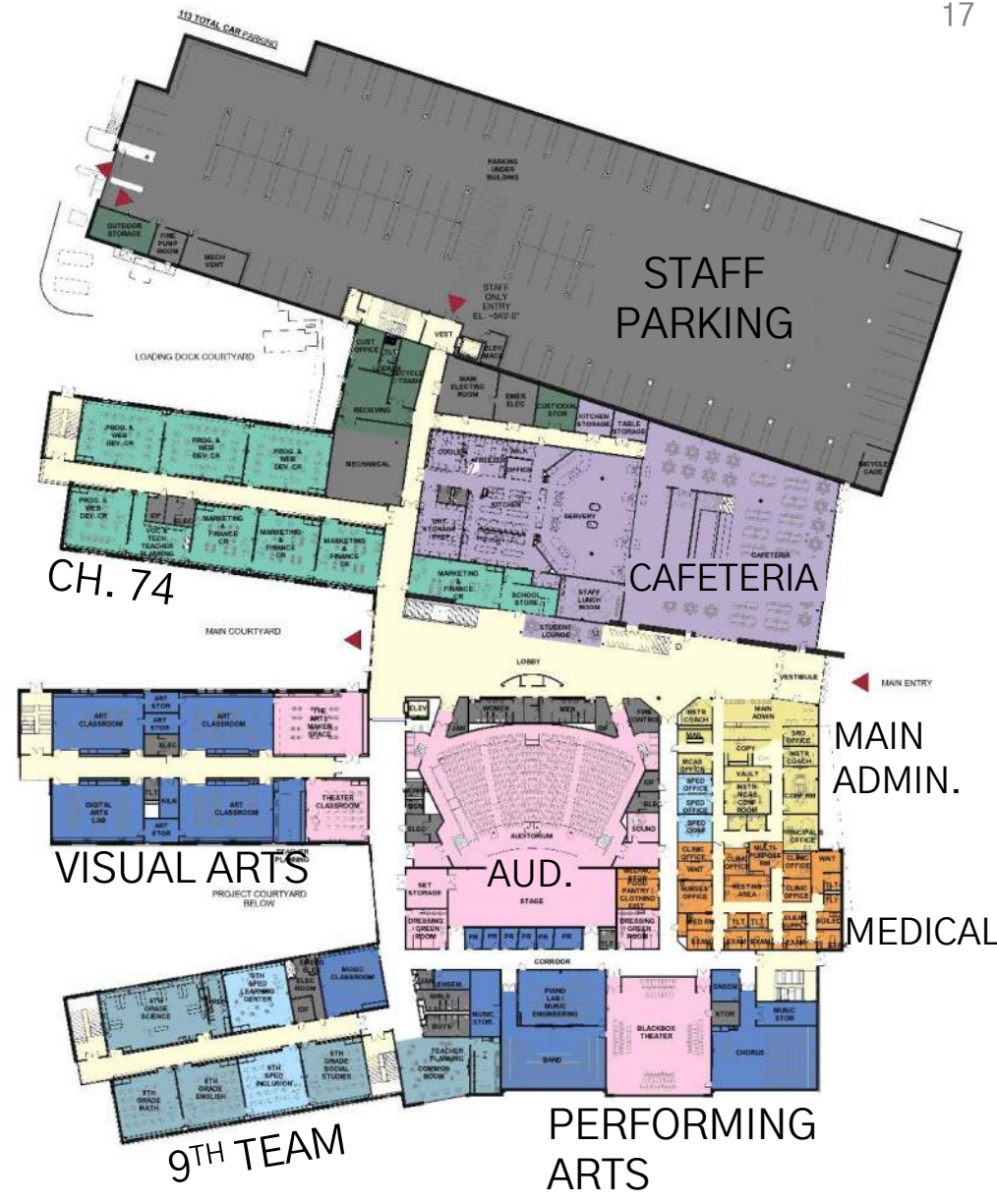
PROGRAM DISTRIBUTION¹⁶



UNEXCAVATED



STAFF
PARKING



LEGEND

 Academic / Education
  Special Education
  Art & Music
  Vocational / Technical
  Health & PE
  Media Center
  Auditorium / Drama
  Exterior Access EL. ~000'-0"

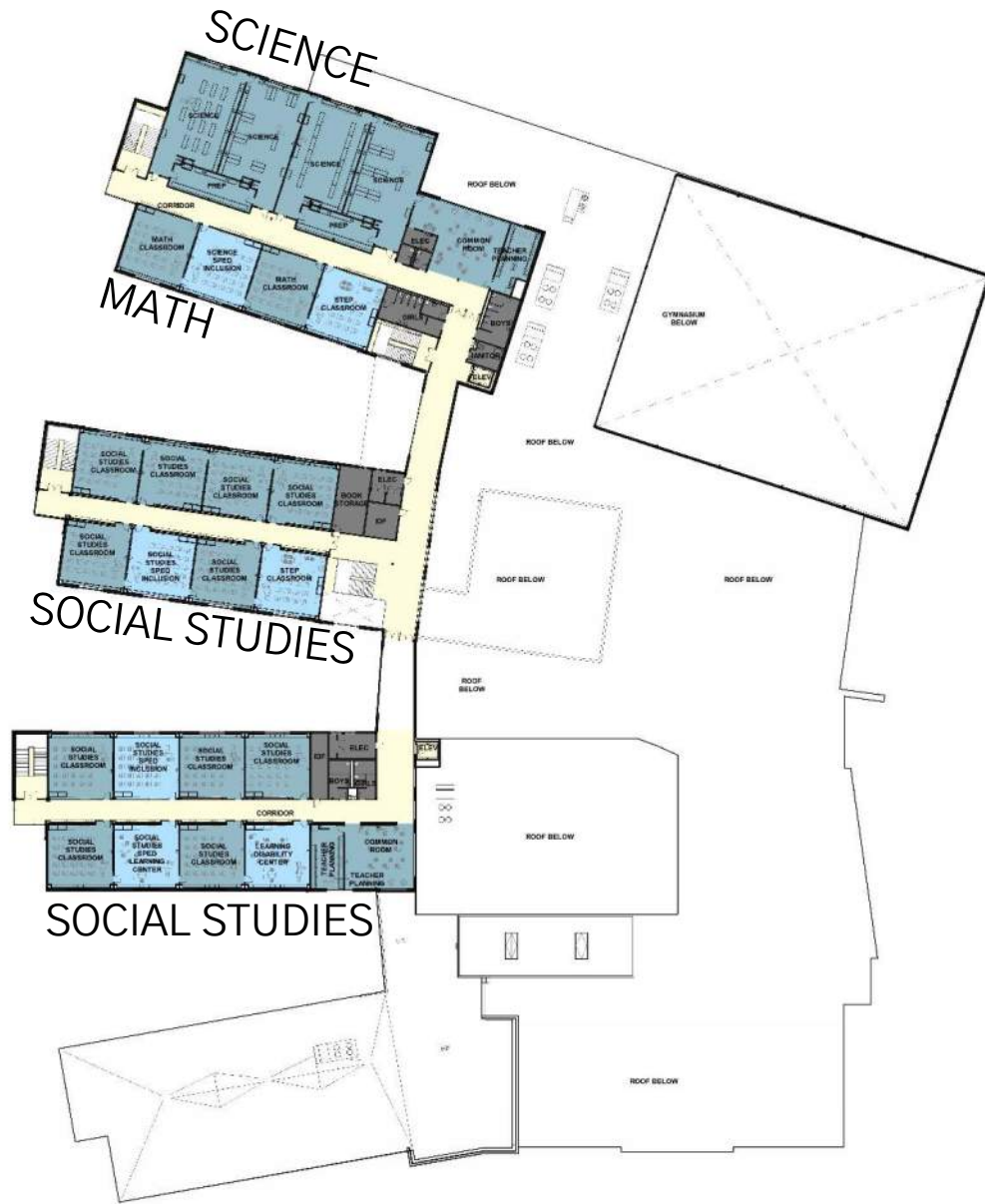
 Dining & Food Service
  Medical
  Admin. & Guidance
  Custodial & Maintenance
  Other
  Circulation
  Non-Programmed Spaces



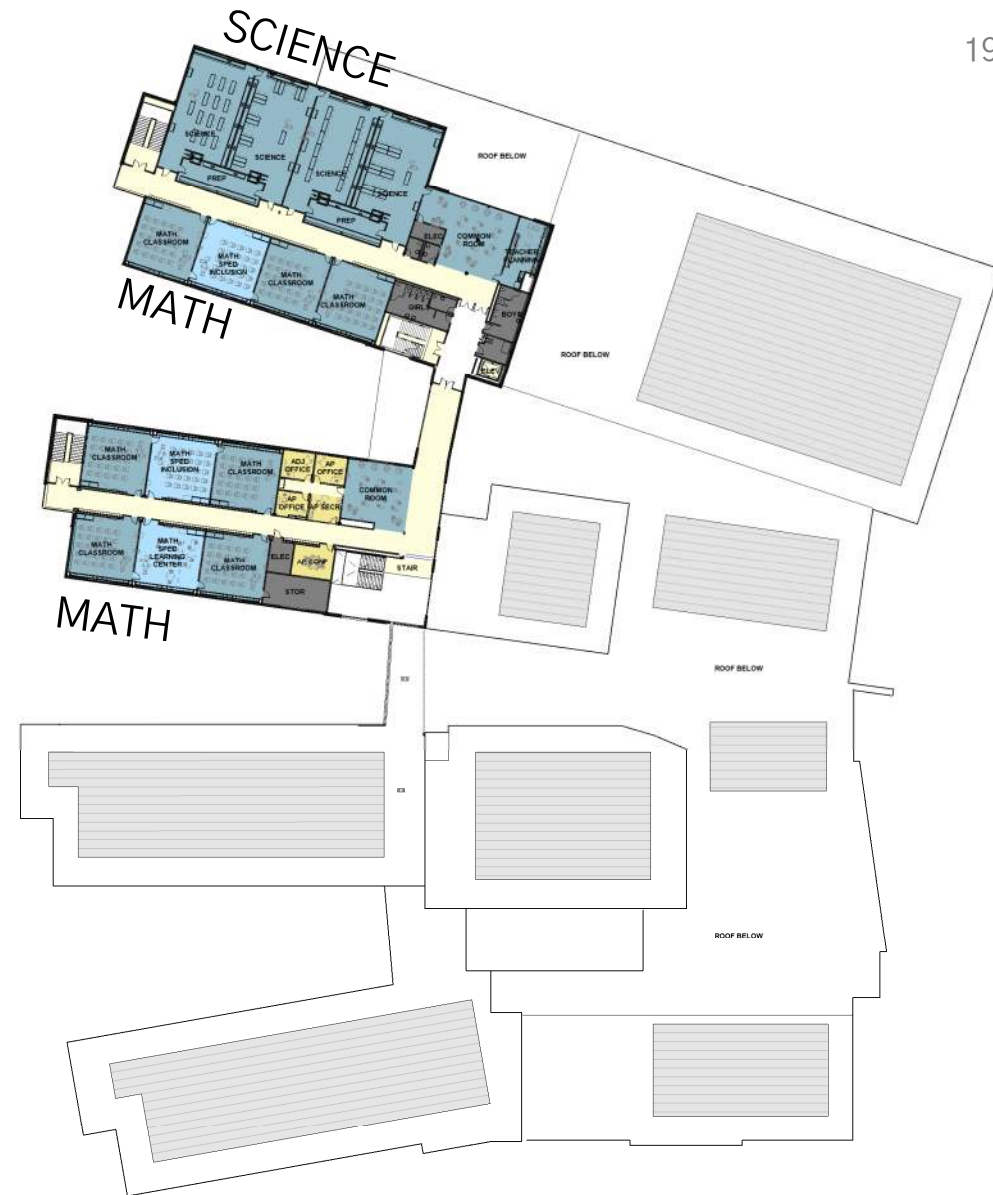
 Academic / Education
  Special Education
  Art & Music
  Vocational / Technical
  Health & PE
  Media Center
  Auditorium / Drama
  Exterior Access
EL. ~000'-0"

 Dining & Food Service
  Medical
  Admin. & Guidance
  Custodial & Maintenance
  Other
  Circulation
  Non-Programmed Spaces

4



5



LEGEND

Academic / Education	Special Education	Art & Music	Vocational / Technical	Health & PE	Media Center	Auditorium / Drama	Exterior Access EL. ~000'-0"
Dining & Food Service	Medical	Admin. & Guidance	Custodial & Maintenance	Other	Circulation	Non-Programmed Spaces	

NORTH-SOUTH SECTION



G



M



2



3



4



5

HIGHLAND STREET 520'

GROUND LEVEL

9TH TEAM

MUSIC

ETA LAB

AUDITORIUM

ETA LAB

TP

LOBBY

MEDIA

CAFETERIA

PARKING

MATH
SOCIAL STUDIES

MATH
MATH

SCIENCE
SCIENCE

GYMNASIUM

NEWTON HILL SUMMIT 675'
(BEYOND)

NEW ROOF 622'

EXISTING GYM ROOF 590'

LEVEL 2

PROPERTY
LINE

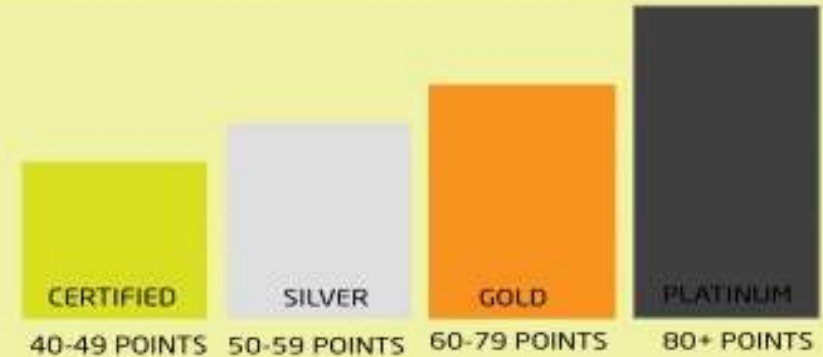
PARK AVE. BEYOND 502'

LEED V.4 Building Design & Construction: SCHOOLS



LEED is administered by the US Green Building Council.
For information on the scheme go to www.usgbc.com

The Ratings



- Optimize Energy Performance
- Indoor Water Use Reduction
- Renewable Energy Production
- Heat Island Reduction
- Low Emitting & Sustainable Materials
- Improved Indoor Air Quality
- Enhanced Building and Envelope Commissioning



CONSTRUCTION | **\$238,910,676**

*TOTAL PROJECT BUDGET | **\$293,384,178**

ESTIMATED MSBA GRANT | **47%**

*INCLUDES SOFT COSTS, FEES, TESTING, FURNITURE FIXTURES AND EQUIPMENT,
ESCALATION AND CONTINGENCIES









NEWTON HILL TRAIL: SUMMER







PARK & HIGHLAND: SUMMER

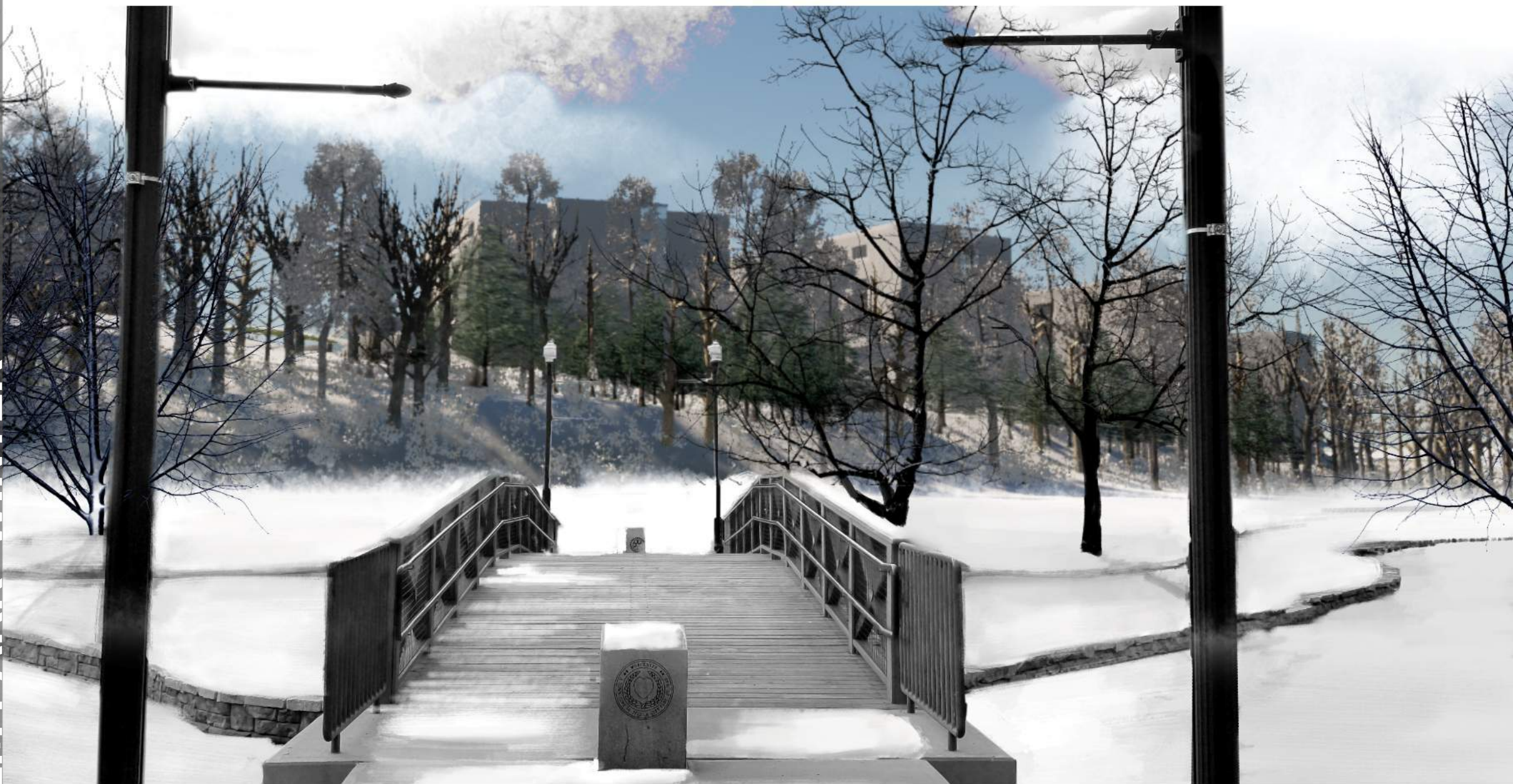




ELM PARK: SUMMER



ELM PARK: WINTER



ELM PARK: SUMMER



ELM PARK: WINTER



ELM PARK: SUMMER







SD SUBMISSION TO MSBA | **July 8, 2020**

MSBA BOARD VOTE | **August 26, 2020**

CITY COUNCIL VOTE | **September 2020**

DESIGN DEVELOPMENT SUBMISSION | **March 2021**

NEXT STEPS



Massachusetts School
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SCHOOL BUILDING COMMITTEE

QUESTIONS / COMMENTS



Massachusetts School
Building Authority



LPA | A

PUBLIC QUESTIONS / COMMENTS



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SCHOOL BUILDING COMMITTEE VOTE



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Additional Comments/Questions?

www.lpaa.com/get-in-touch



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