



BARRINGTON PUBLIC SCHOOLS

RIDE STAGE II SERVICES



1. **TEAM INTRODUCTION**
2. **SCHEDULE + FINANCIAL MANAGEMENT**
3. **DESIGN + PREVIOUS EXPERIENCE**
4. **Q + A**

ACADEMIC PERFORMANCE

FACILITIES



**Transforming your
under-performing facilities
to support your
high-performing academics.**



KEY STAFF

TEAM LEADERSHIP



Main Point of Contact

Cathie Ellithorpe AIA
Principal-in-Charge
Availability: 50%



Ted Tolis AIA
Project Manager
Availability: 80%

VISIONING + PROGRAMMING



Amy Christmas ALEP
Programmer/Planner
Availability: 40%



Kristen Furtak
Programmer/Planner
Availability: 40%



Mark Rhoades AIA
Design Principal
Availability: 50%



Jim Hoagland AIA, LEED AP
Senior Designer
Availability: 50%

INTERIORS



Amanda Hastings Shea NCIDQ
Interior Designer
Availability: 50%

DEMOGRAPHICS



Michael Zuba AICP, NCI
Demographics
Availability: 30%

EXECUTION



Matt Ostermeier
Job Captain
Availability: 40%

STRUCTURAL



Douglas Graham P.E.
Structural Engineer
Availability: 40%

CONSULTANTS



Brian Zigmond PE, CEM
StudioJAED
M/P Engineer



Victoria Howland PE, LEED AP
Pare Corporation
Civil/Site/Environ. Engineer

ADDITIONAL CONSULTANTS

MBE ELECTRICAL ENGINEER
PHP ENGINEERING

WBE NE/CHPS
cmk LEED

MBE LAND SURVEY + TRAFFIC
BRYANT ASSOCIATES

FOOD SERVICE
CRABTREE MCGRATH

WBE LANDSCAPE ARCHITECTURE
TRAVERSE

WBE LIGHTING
ALD, LLC

MBE DBE GEOTECHNICAL
LAHLAF

WBE MBE COST ESTIMATOR
MIYAKODA CONSULTING

ACOUSTICAL
CAVANAUGH TOCCI

WBE DBE HAZMAT
CDW CONSULTANTS

CODE CONSULTANT
CODE RED



SLAM

BY THE
NUMBERS

9
OFFICES

280
EMPLOYEES



\$6 BILLION
OF SUSTAINABLE WORK

NATIONALLY
RANKED

#32
K-12 EDUCATION

#19
HIGHER EDUCATION

ONE DAVOL SQUARE

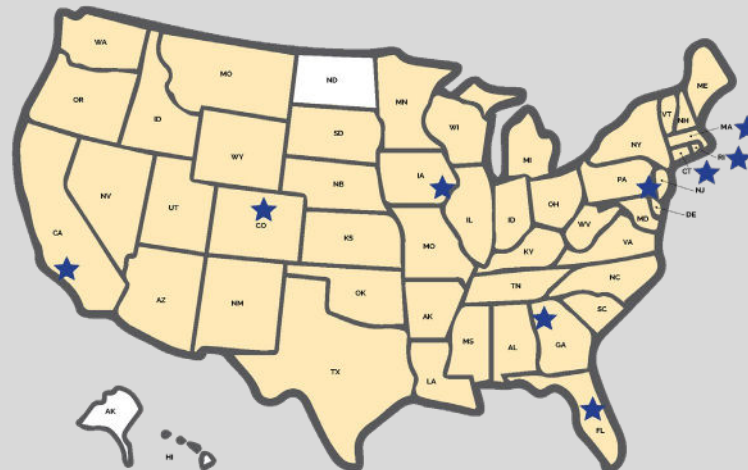
COMMITMENT TO RHODE ISLAND

EST. 2021



NATIONAL FIRM

with the benefit of local core teams



OVER 85%
REPEAT CLIENTS

SLAM RHODE ISLAND EXPERIENCE

Johnston:

- **RIDE STAGE II & III**
 - New Early Childhood Center
 - New Elementary School
 - New Johnston High School
 - Renovate-Like-New Ferri Middle School

Providence:

- **RIDE STAGE II & III**
 - Providence Career & Technical Academy and Field House
 - Providence District-Wide Facilities Assessment/Warm Safe & Dry Program:
 - Athletic Complex MP
 - Carl G. Lauro Elementary School
 - Conley Stadium Grandstand
 - George J. West School
 - Hanley Gym Reno
 - Hope High School
 - Mount Pleasant HS
 - Pleasant View School
 - Pleasant View Walkway
 - Vartan Georgian Library
 - West Broadway Cupola
 - West Broadway Middle School
 - Windmill Annex 9th Grade Academy

North Providence:

- **RIDE STAGE II & III**
 - Stephen Olney K-5 School
 - James McGuire K-5 School
 - Two New K-5 Schools

Pawtucket:

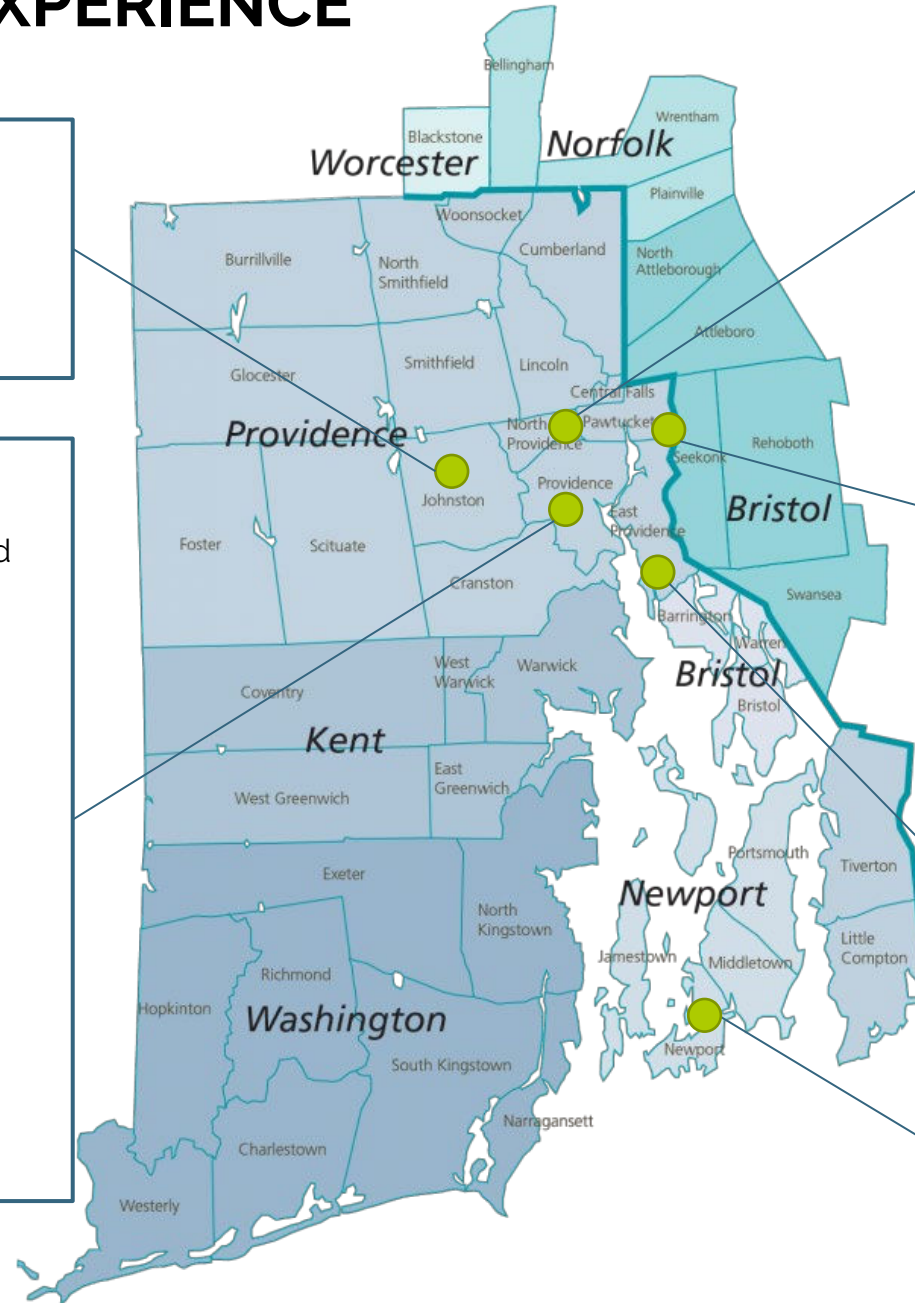
- **RIDE STAGE II & III**
 - Winters STEAM Elem. School
 - Baldwin Elementary School
 - Shea High School
 - Tolman High School
 - Health & Safety Upgrades

East Providence:

- **RIDE STAGE II**
 - East Providence High School – Study

Newport:

- **RIDE STAGE III**
 - Rogers High School

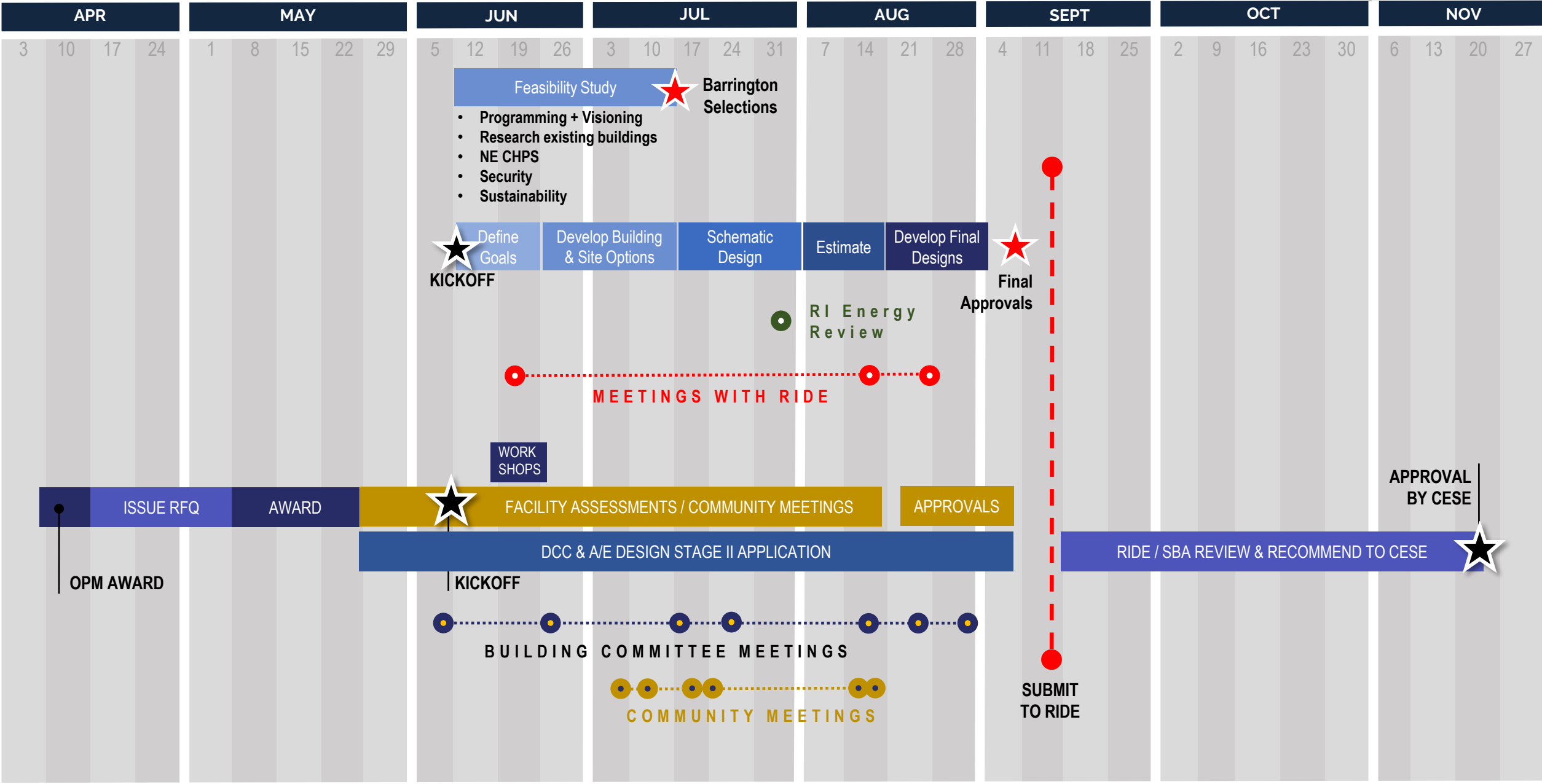


SCHEDULE + FINANCIAL MANAGEMENT



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Collaborators with RIDE



RIDE Rhode Island Department of Education
Design Review Portal

Pawtucket
New Henry Winters STEAM Elementary School

- Project Details
- Stage 3 Documents
 - Schematic Design
 - Design Development
 - Construction Documents
- Activity Log

Schematic Design Checklist (6 of 17 Checklist Items Completed)

Checklist Item	Uploaded Files	N/A
Project Narrative		
Cost Estimate		
Project Approval/Acceptance by School Building Committee and/or School Committee		
Drawings		
Memorandum of Agreement		
Project Schedule		
▶ User Story		<input type="checkbox"/>
Owner		<input type="checkbox"/>
▶ Educational		<input type="checkbox"/>
▶ MBE, WMBE, H		<input type="checkbox"/>
age		<input type="checkbox"/>
Statement		<input type="checkbox"/>
ysis		<input type="checkbox"/>
on Dis		<input type="checkbox"/>
Herit		<input type="checkbox"/>
view		<input type="checkbox"/>
Feedback		<input type="checkbox"/>

Spend less on horizontal construction

Building vertically

Engage contractors and sub-consultants early

Be flexible about materiality based on supply chain

Consider educational commissioning

Design for Net Zero Ready

Plan for increased net-to-gross efficiency

Celebrate programs, where appropriate – pull back where you can

Bonus POINTS

Permanent Bonus*

School Safety & Security

If 75% of a project is for the purposes of School Safety & Security, then the project shall receive 5% bonus.

** In addition to the six temporary bonuses, there is one permanent bonus that is not time-limited*

Temporary Bonuses

In order to qualify for the increased share ratio for the temporary bonuses, 25% of the project costs, or a minimum of \$500,000, must be specifically directed to these purposes.

Commence by 2022 - Complete by 2027



Health & Safety

Projects that address Health and Safety Deficiencies shall receive a 5% bonus.



Educational Enhancements

Projects that address Educational Enhancements such as Early Childhood Education and Career and Technical Education shall receive a 5% bonus.

Commence by 2023 - Complete by 2028



Replacement

Replacement of a facility that has a Facility Condition Index of 65% or higher shall receive a 5% bonus.



Newer & Fewer

Consolidation of two or more school buildings (Newer and Fewer) into one school building shall receive a 5% bonus.



Decrease Overcrowding

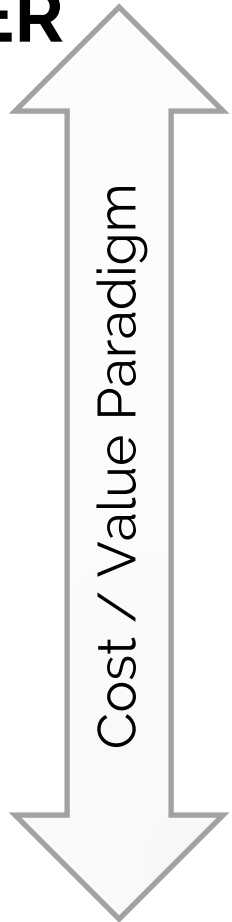
New construction or renovation that decreases overcrowding from more than 120% functional utilization to between 85% and 105% shall receive a 5% bonus.



Increase Utilization

New construction or renovation that increases functional utilization from less than 60% to more than 80% shall receive a 5% bonus.

Budget Management
EARLY DECISIONS MATTER



Cost of Change

Value

STAGE 1

Feasibility Study/
Programming



STAGE 2

Schematic
Design



STAGE 3

Design
Development



STAGE 4

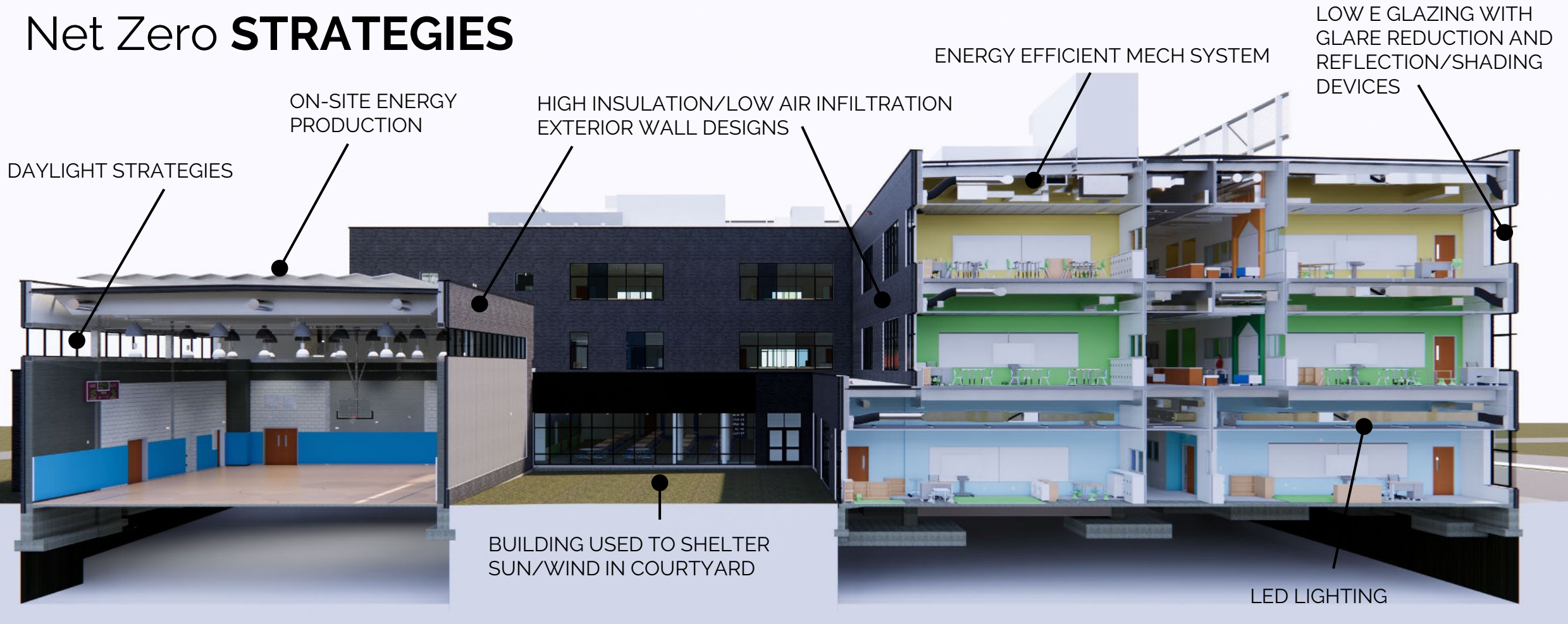
Construction
Documents



Construction



Net Zero STRATEGIES



IN HOUSE ENERGY MODELING

**HVAC SYSTEM TYPE
(PROPOSED VRF
AND DOAS)**

HIGH EFF. HEAT PUMP



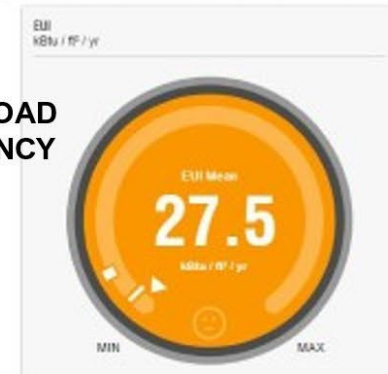
**LIGHTING
EFFICIENCY**

0.3 W/SF

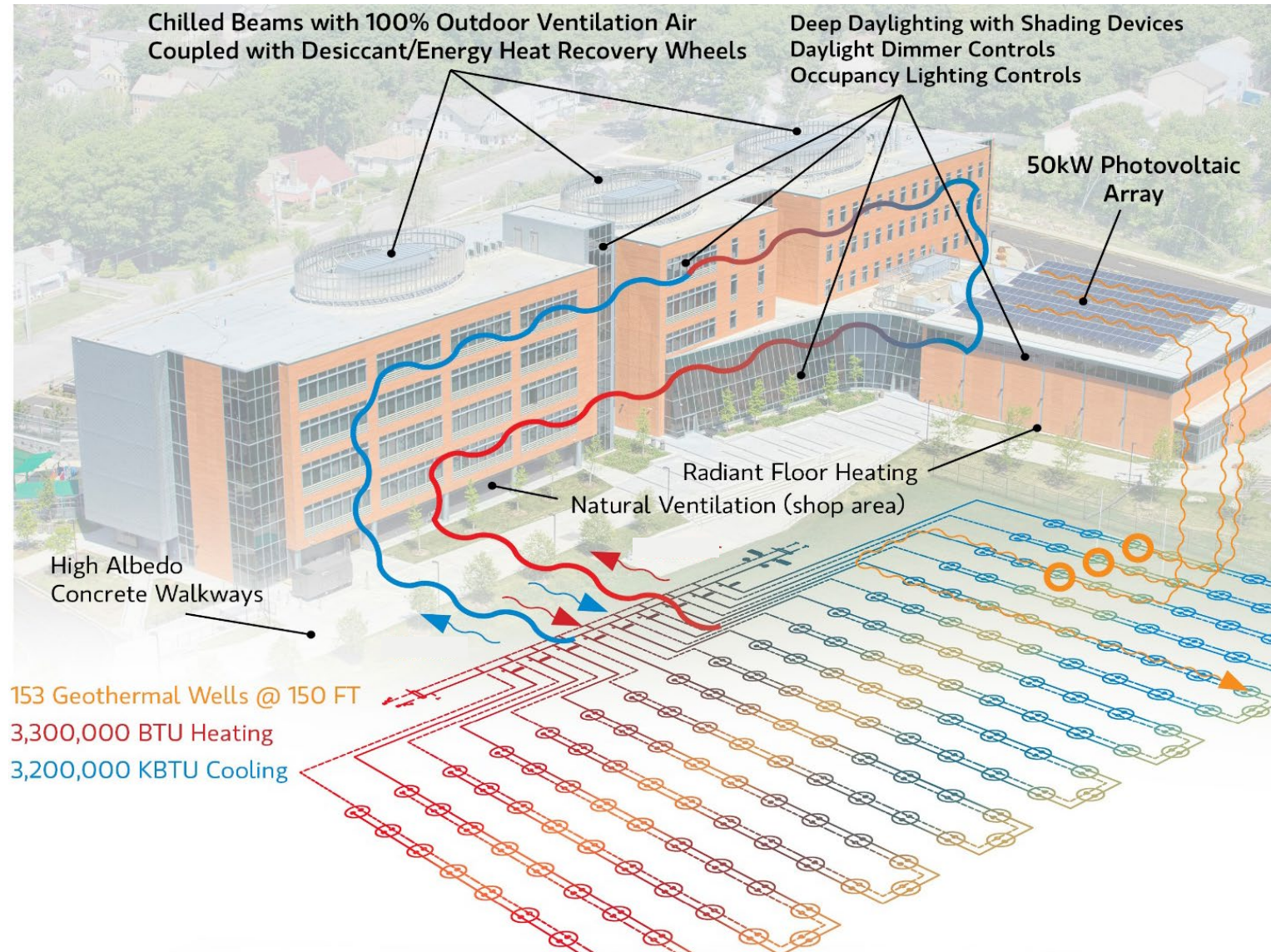


**PLUG LOAD
EFFICIENCY**

0.7 W/SF



Sustainable STRATEGIES



WATERBURY CAREER ACADEMY

- DAYLIGHT DIMMING CONTROLS
- OCCUPANCY SENSOR LIGHTING CONTROLS
- HIGH PERFORMANCE ENVELOPE: R-26 WALLS, R-42 ROOF
- 153 GEOTHERMAL WELLS PROVIDES HEATING AND COOLING
- CHILLED BEAMS WITH 100% OUTDOOR VENTILATION AIR
- DESICCANT/ENERGY HEAT RECOVERY WHEELS
- RADIANT FLOOR HEATING
- NATURAL VENTILATION (SHOP AREA)
- 50kW PHOTOVOLTAIC ARRAY PROVIDES \$15,000 SAVINGS PER YEAR
- 63% BETTER THAN ENERGY CODE BASELINE
- \$450,000 PER YEAR ENERGY COST SAVINGS



AIA **2030**
Commitment

\$6 billion
in Sustainable Construction

70+ LEED Accredited
Professionals

20 Years
USGBC
member

#45 TOP GREEN
DESIGN FIRMS
in the nation



HIGH PERFORMANCE BUILDINGS



8 NE CHPS Projects



30+ LEED Gold and Platinum Projects



35+ LEED Silver Projects



15+ LEED Certified Projects

Net Zero Carbon Experience



DESIGN + PREVIOUS EXPERIENCE

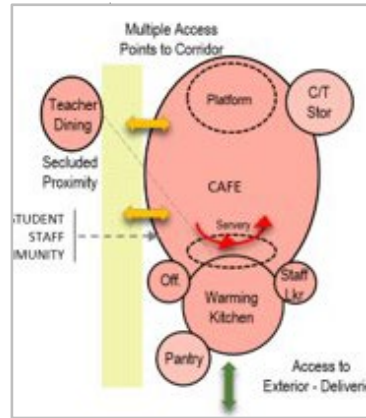
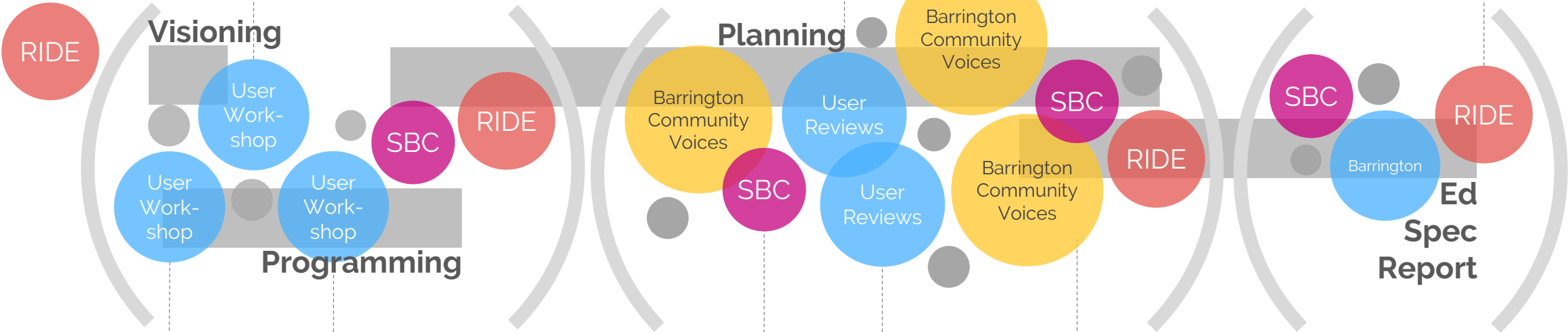


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Incorporating the Input



Visioning **PROCESS**

CRITICAL TOPICS FOR STAGE II:

Education

- Deep Learning Skills
- Student Engagement
- Social & Emotional Learning

Facilities

- Safety and Security
- Flexible and Varied Furniture
- Teacher Planning Centers

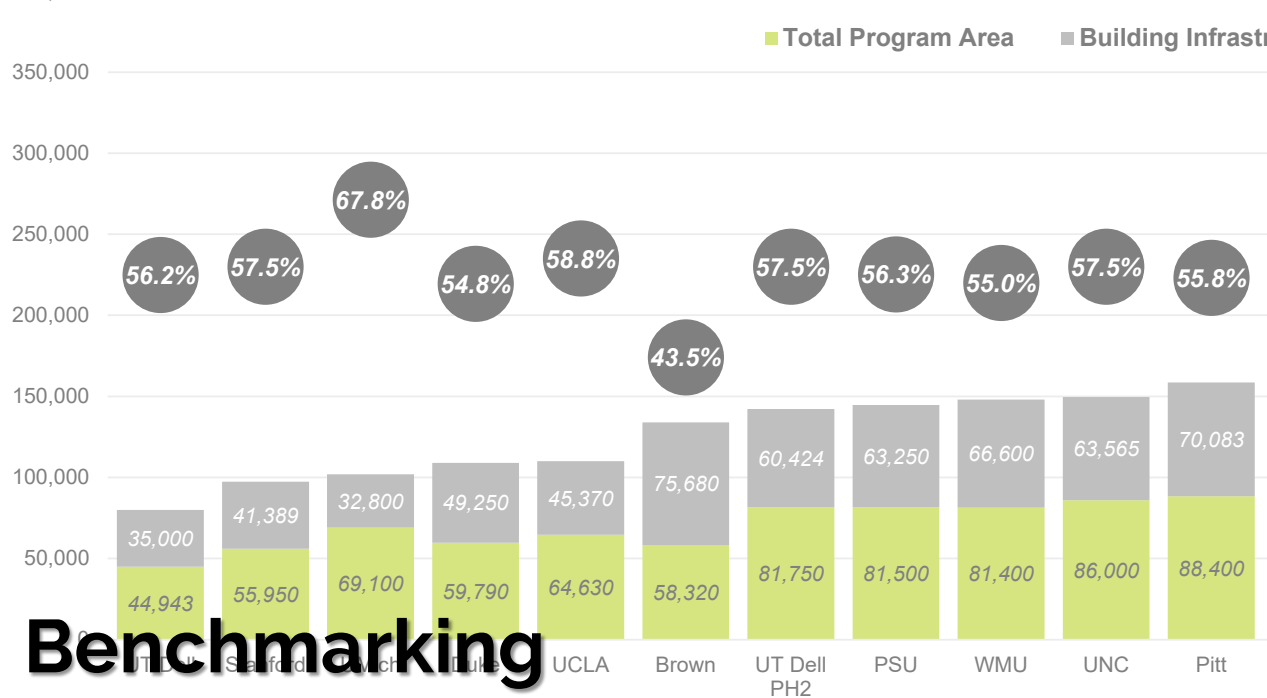
Learning modalities

- Individual & Collaborative Learning
- Social & Emotional Learning
- Project-Based Learning

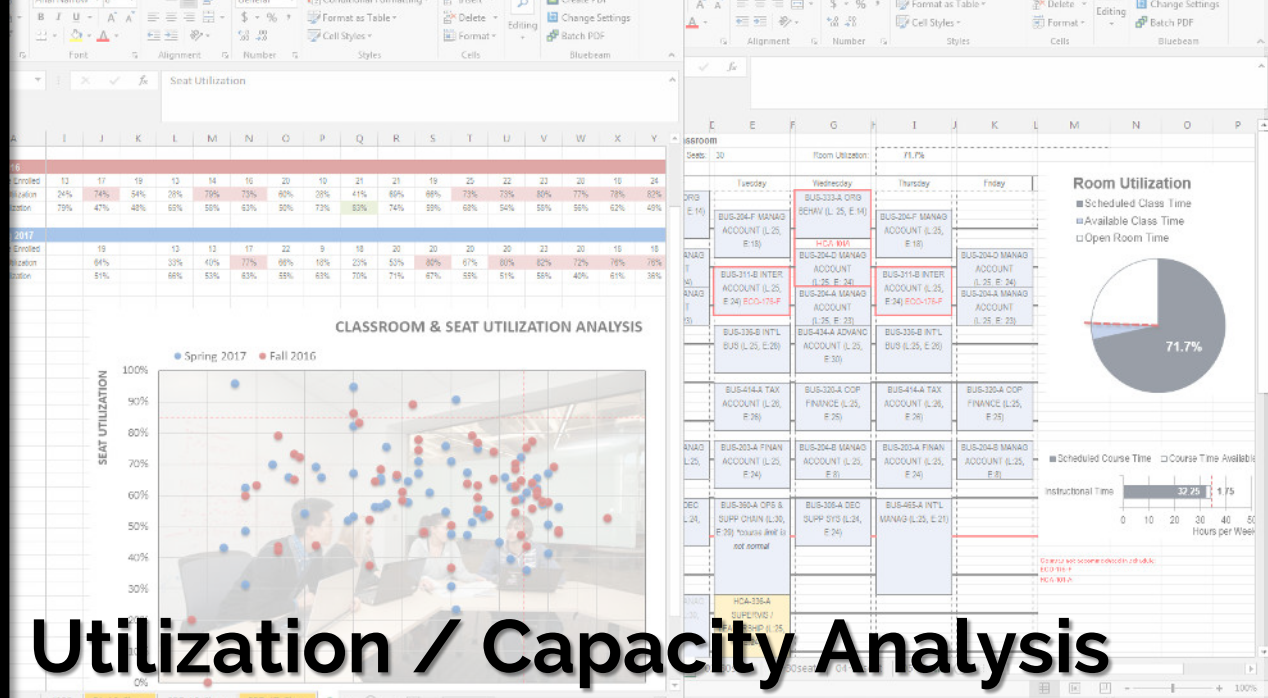
Organizational models

- Multi-Grade Classrooms
- Team Teaching
- Learning Commons
- Collaboration Among Grades





Benchmarking



Utilization / Capacity Analysis

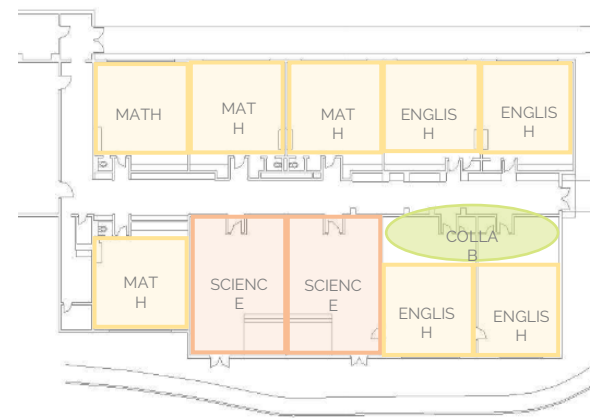
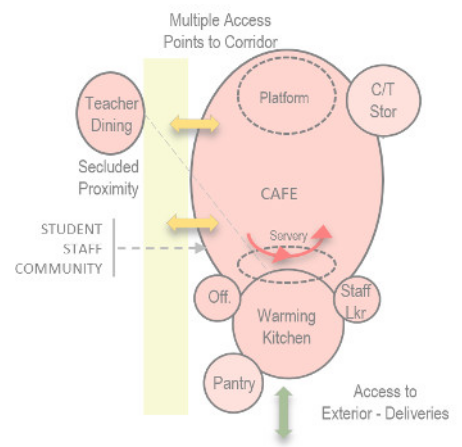


Diagram indicating benchmark sized classrooms vs. current



Adjacency Diagrams

Program ID	TITLE	Full Requested Program									
		total OCCUPANCY				per room			total		
		stff sta	fac sta	ttl pers	seats	sta	seats	AREA @ SF/sta	PROGRAM NSF	No. Rooms	TOTAL Area
3.100 - Academics											
3.100 - Classrooms											
3.101	English Classrooms		8	8	112	28	32.00	896	4	3,584	
3.102	Math Classrooms		8	8	112	28	32.00	896	4	3,584	
3.103	Humanities Classrooms		6	6	112	28	32.00	896	4	3,584	(2) class
3.104	World Languages Classrooms		3	3	84	28	32.00	896	3	2,688	
3.105	Shared Computer Labs				56	28	37.50	1,050	2	2,100	
	Subtotal		0	25	25	476			17	15,540	
3.200 - Science											
Biology											
3.201	Class/Lab		2	2	48	24	60.00	1,440	2	2,880	
3.202	Prep Room							240	1	240	
3.203	Storage Room							100	1	100	
Chemistry											
3.204	Class/Lab		3	3	72	24	60.00	1,440	3	4,320	
3.205	Prep Room							240	1	240	
3.206	Chemical Storage Room							100	1	100	
Physics											
3.207	Class/Lab		1	1	24	24	60.00	1,440	1	1,440	
3.208	Prep Room							240	1	240	share w

Tabular Space Program



Deep Learning in a New Century



Communication



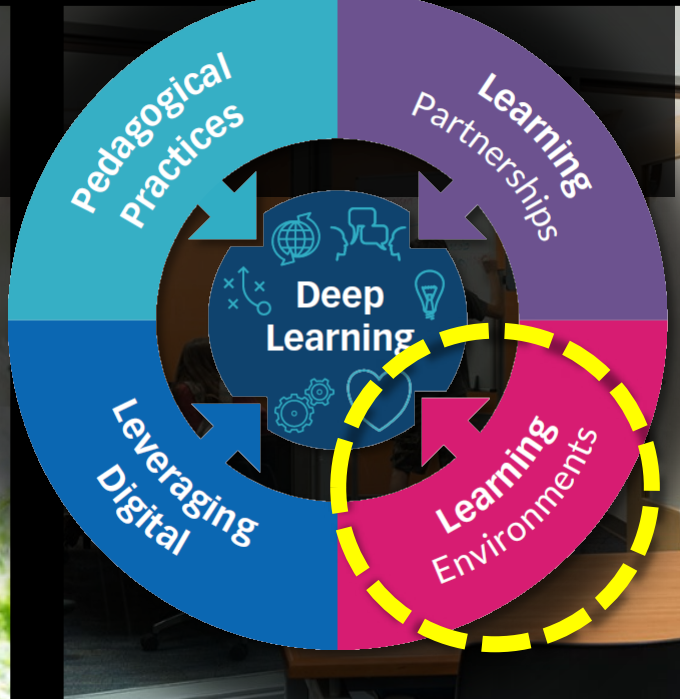
Character



Creativity



Critical Thinking



Collaboration



Citizenship



Critical Thinking



Communication



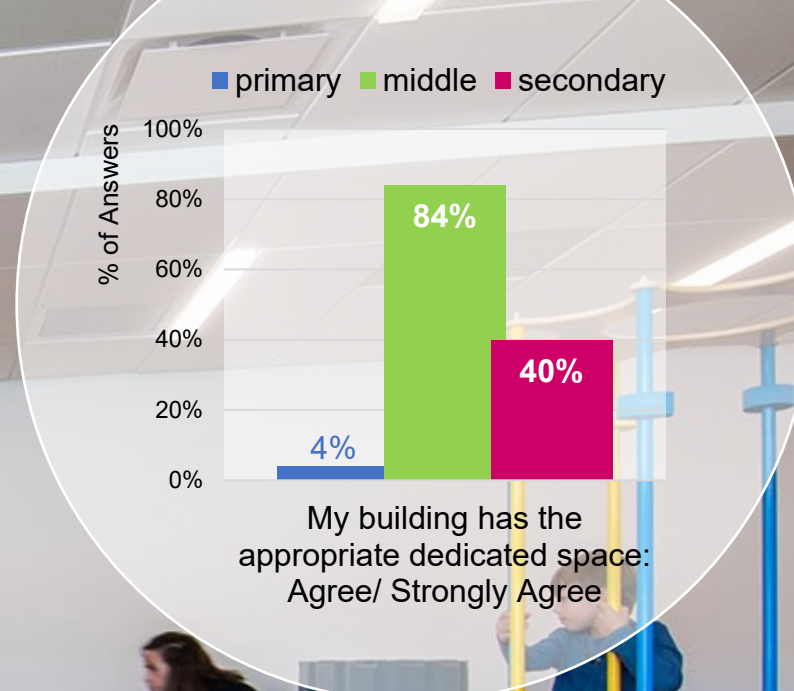
Character

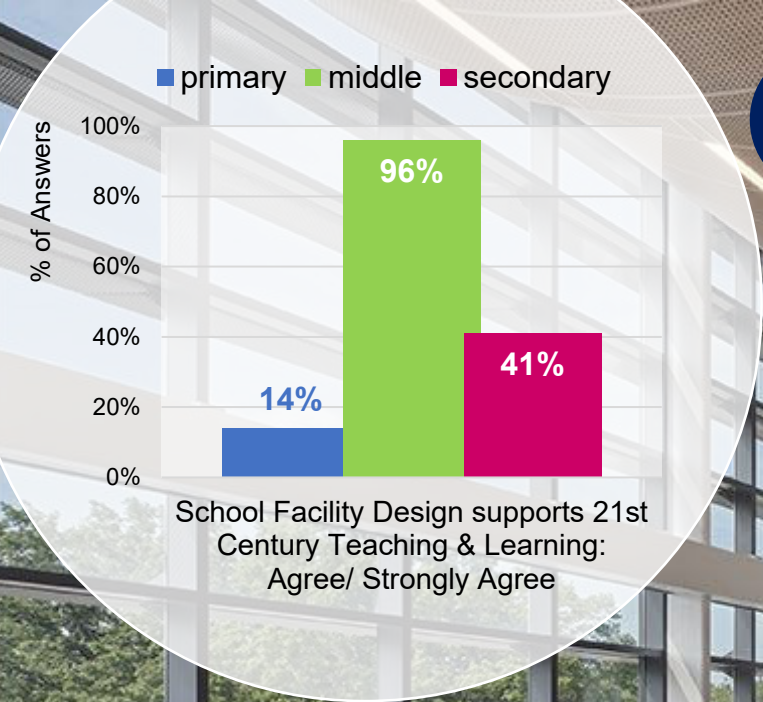
Desired Outcomes

- Varied Activities
- Safety
- Full Body Movement

Space Need

- Specialized Equipment
- Flexible/Adaptable Furniture
- Right-Sized Space & Support





Collaboration



Communication



Critical Thinking

Desired Outcomes

- Group Work
- Instructor Circulation
- Plug & Play Tech

Space Need

- Team-Based Tables
- Right-Sized Accessible Space
- Power & Technology Throughout



Character



Citizenship



Communication



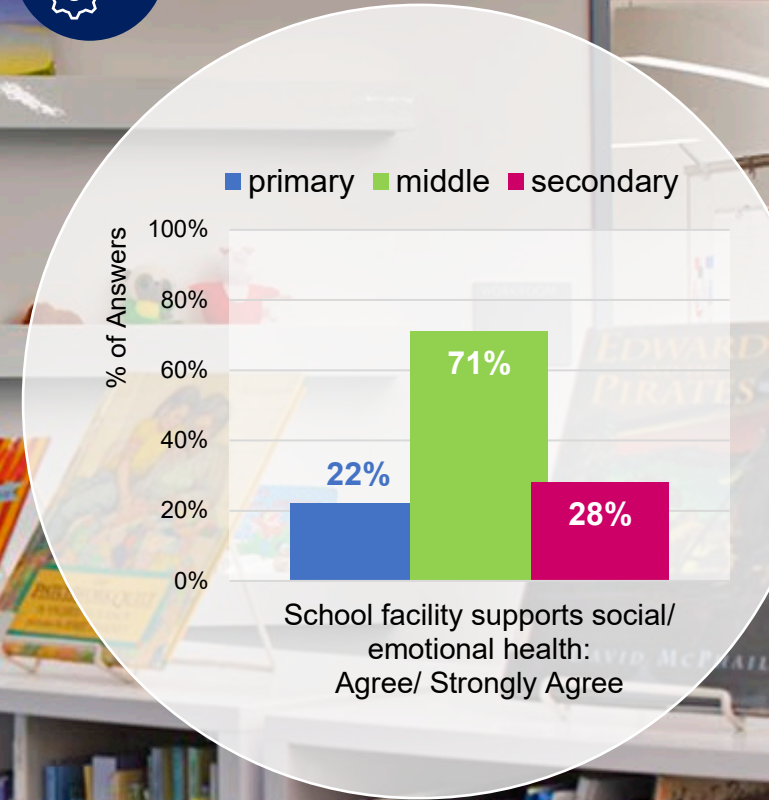
Collaboration

Desired Outcomes

- Group & Independent Work
- Reconfigurable Layout
- Plug & Play Tech

Space Need

- Team space
- Individual Workspace
- Power & Technology Throughout

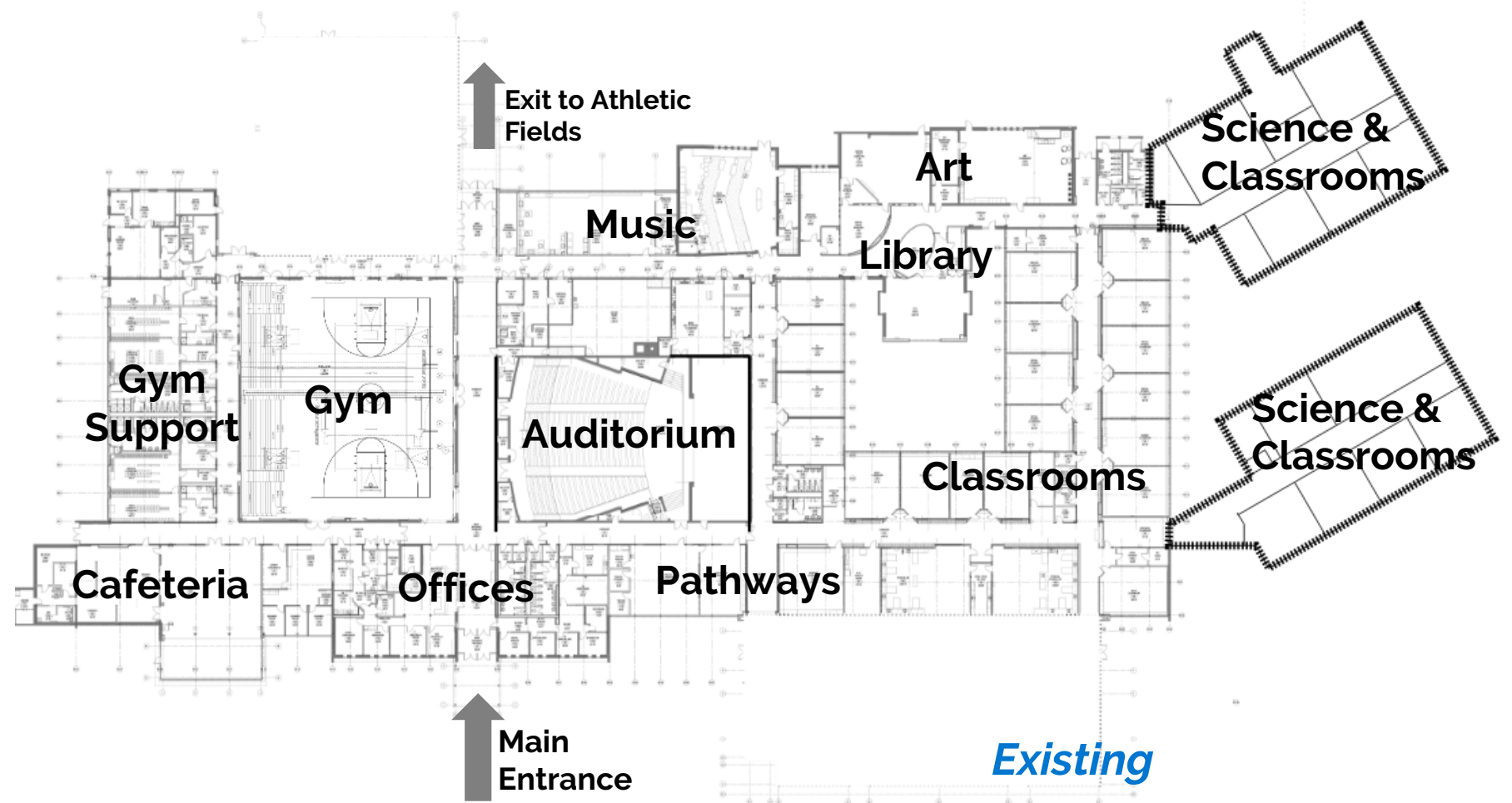


Transformational Case Study: **East Hampton High School**

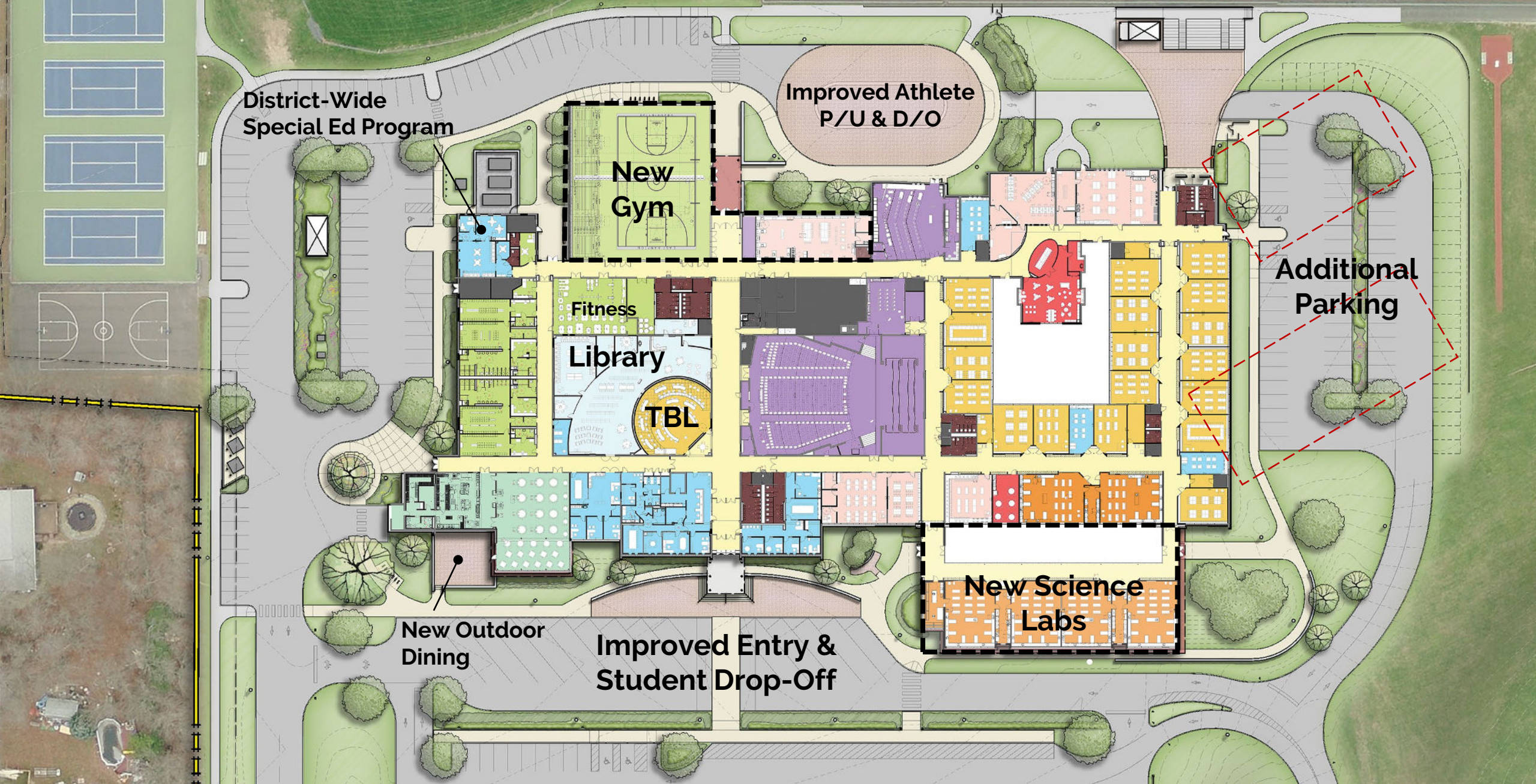
High performing school despite facility age and condition

Project Drivers:

- Implement opportunities for **advanced technologies**
- Upgrade **building systems**
- Provide an **extended life** to an aging building
- **Improve learning environments** to reflect 21st Century Teaching & Learning
- Improve **accessibility** throughout



Transformational Case Study: East Hampton High School



District-Wide
Special Ed Program

New
Gym

Improved Athlete
P/U & D/O

Fitness

Library

TBL

Additional
Parking

New Outdoor
Dining

Improved Entry &
Student Drop-Off

New Science
Labs

East Hampton High School **TRANSFORMATION**



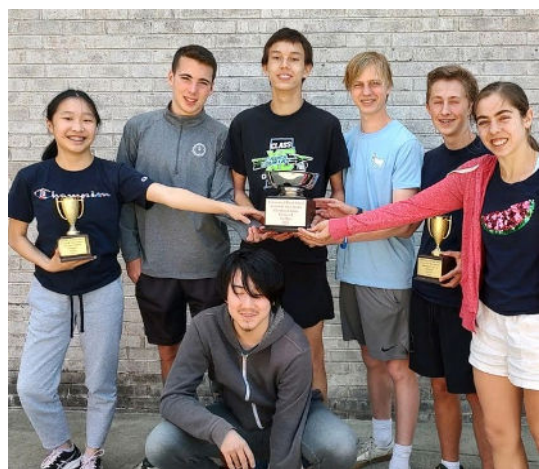


"Teaching in Barrington is a gift. I get to go to work every day and have fun. I teach what I love in a great environment with people I enjoy and who care deeply about the arts and its impact on our students."

Barbara Hughes, Music Teacher



Empowering students to excel in critical thinking.
Engaging students in deep & rigorous learning.
Educating students to be 21st century global citizens.



Barrington **SCHOOL DISTRICT**



PRIMROSE HILL
ES

SOWAMS
ES

HAMPDEN
MEADOWS **ES**

BARRINGTON
HS

NEW
MS

NAYATT
SCHOOL

Transformational Case Study:
Existing Conditions – Primrose Hill Elementary School



Transformational Case Study: Asking Questions – Primrose Hill Elementary School



“Is this enough outdoor field area?”

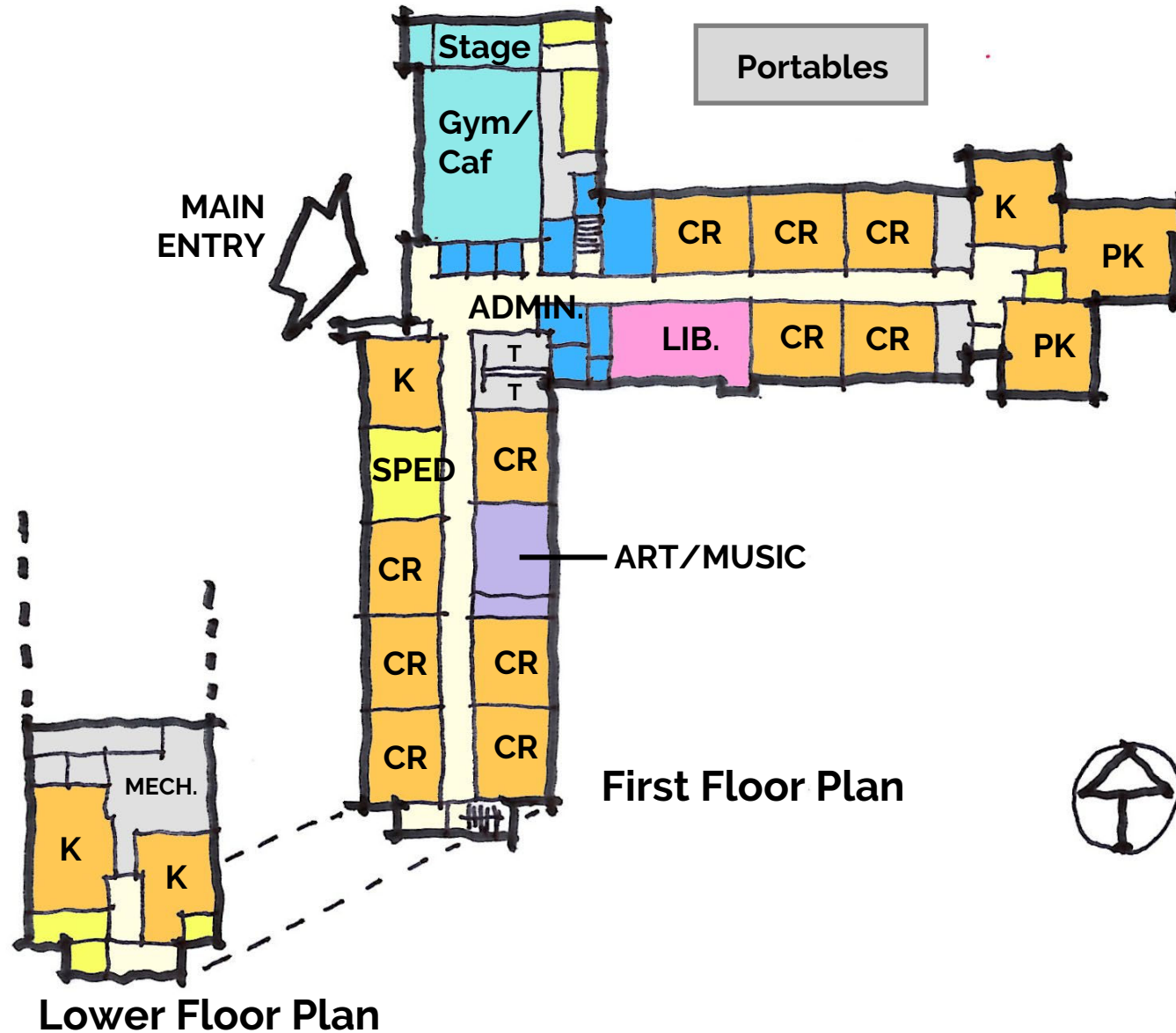
“How disruptive are the new portables?”

“How do we keep bus traffic and car traffic separate?”

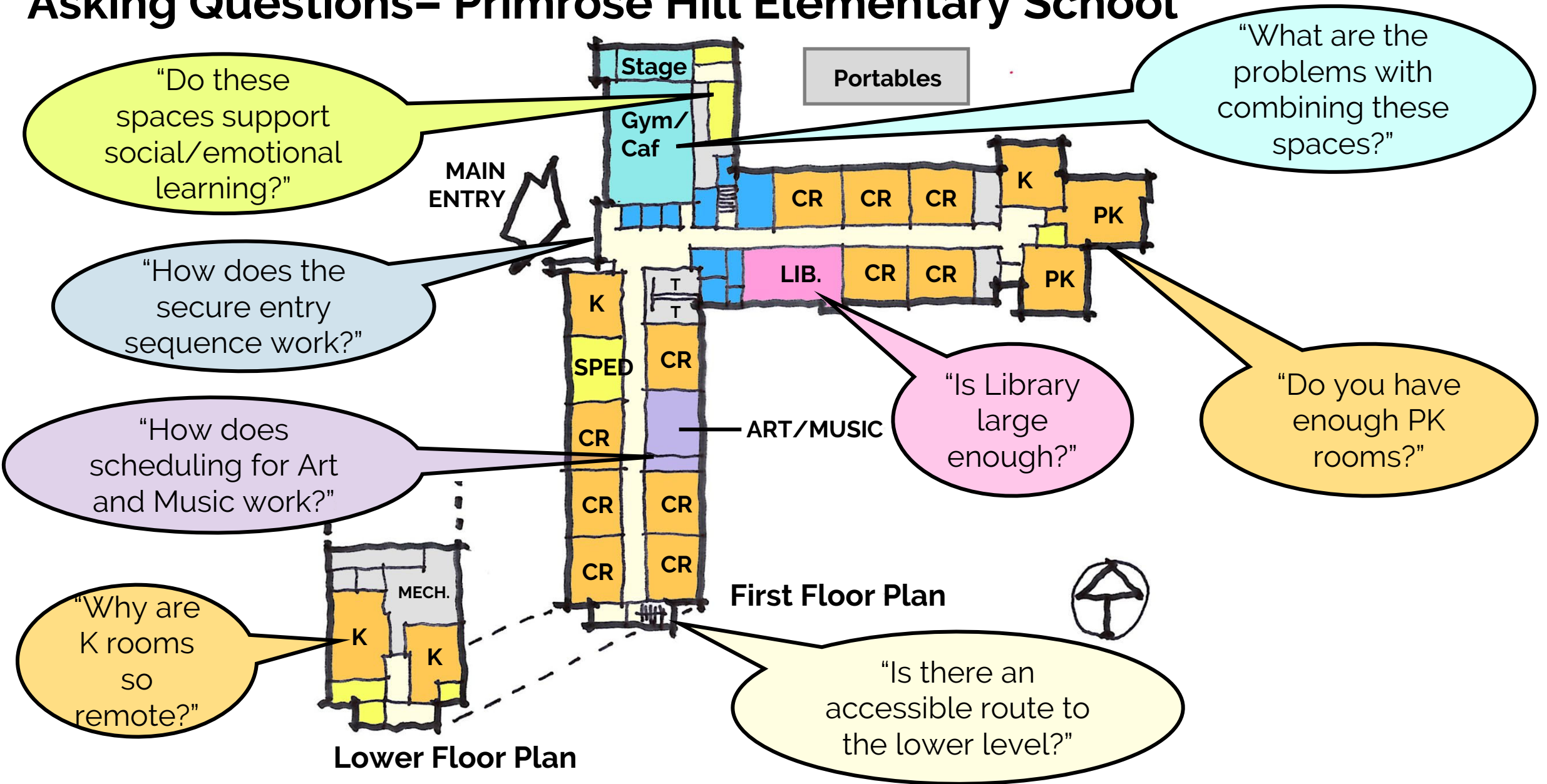
“Can topography be adjusted in this area?”

“Are all of the age-appropriate play areas convenient?”

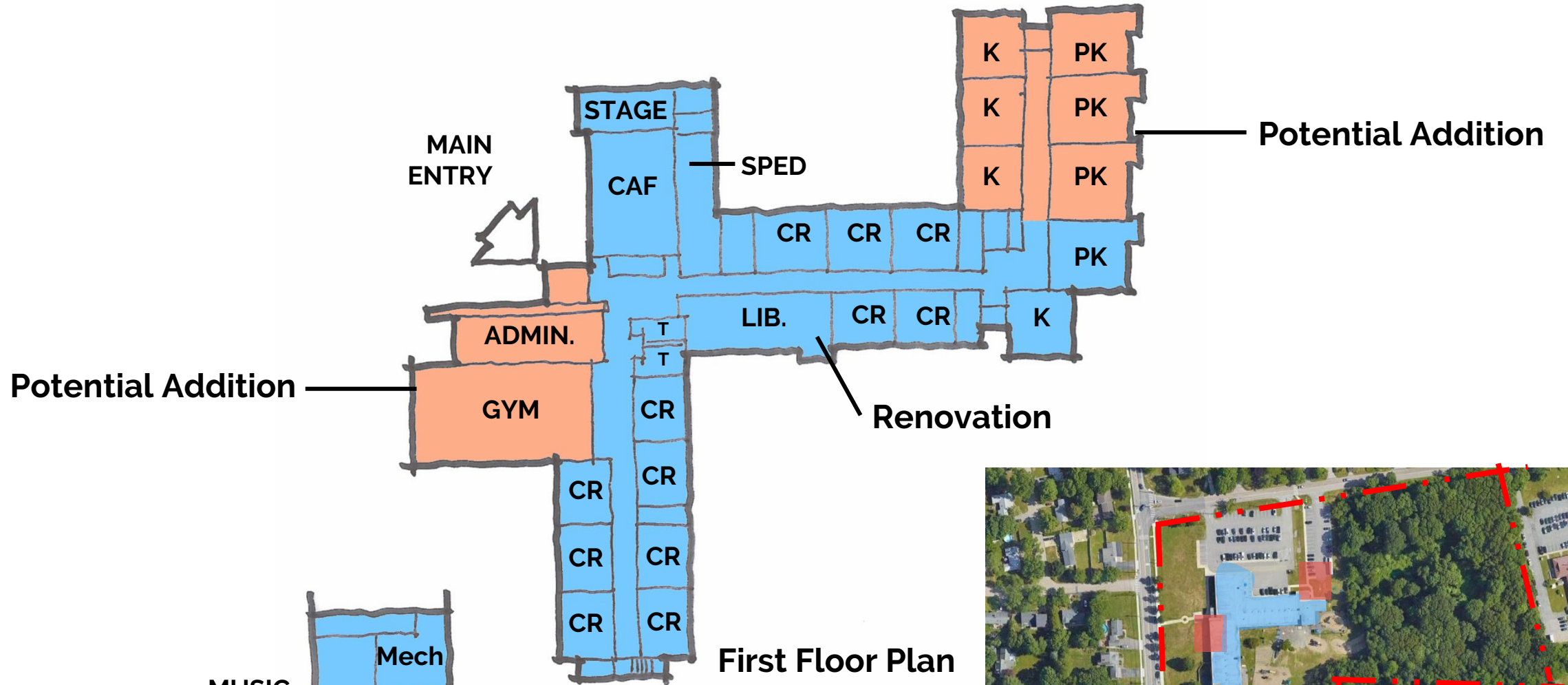
Transformational Case Study: Existing Conditions – Primrose Hill Elementary School



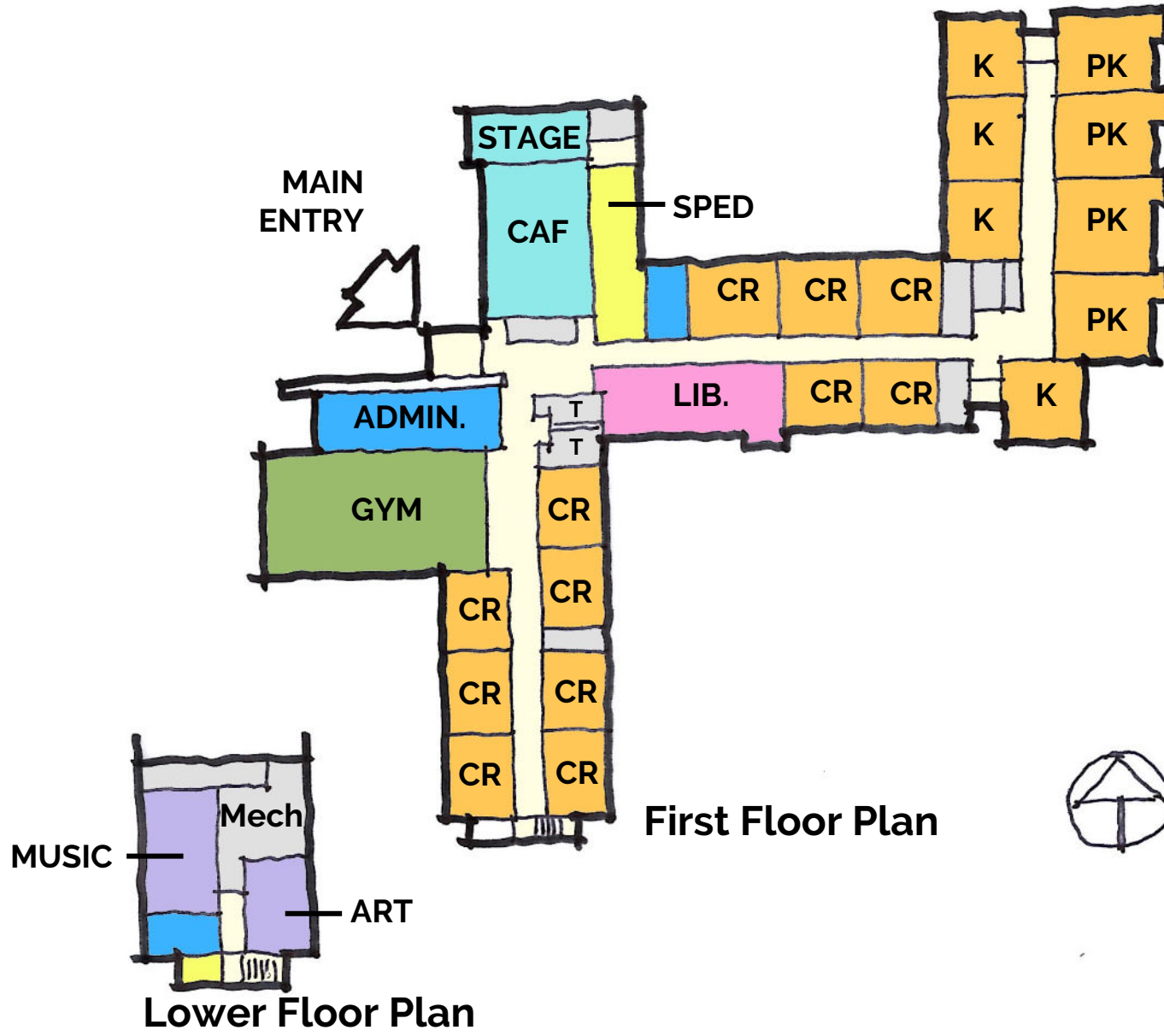
Transformational Case Study: Asking Questions– Primrose Hill Elementary School



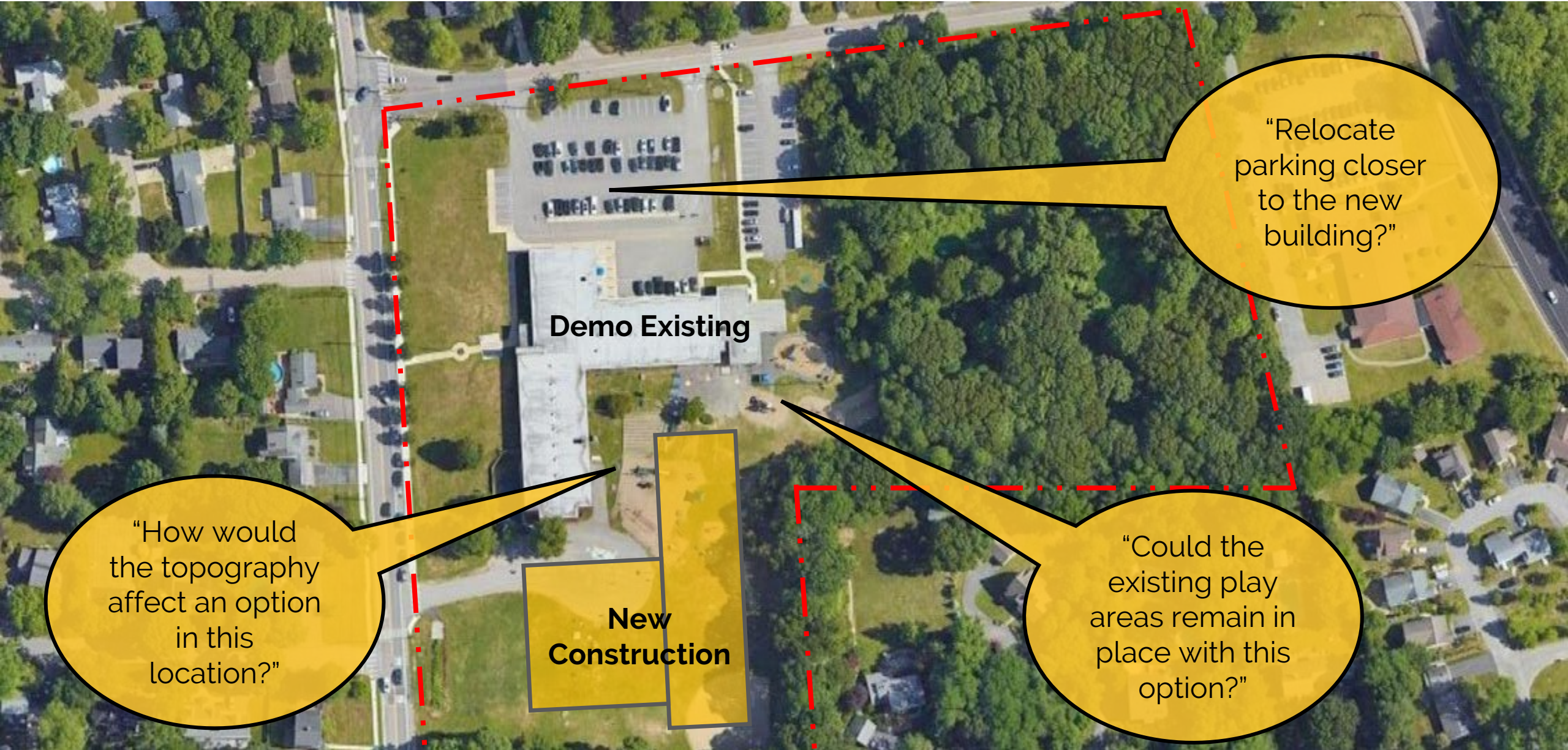
Transformational Case Study: Potential Solutions – Primrose Hill Elementary School



Transformational Case Study: Potential Solutions – Primrose Hill Elementary School



Transformational Case Study: New Building – Primrose Hill Elementary School (Option 1)



Demo Existing

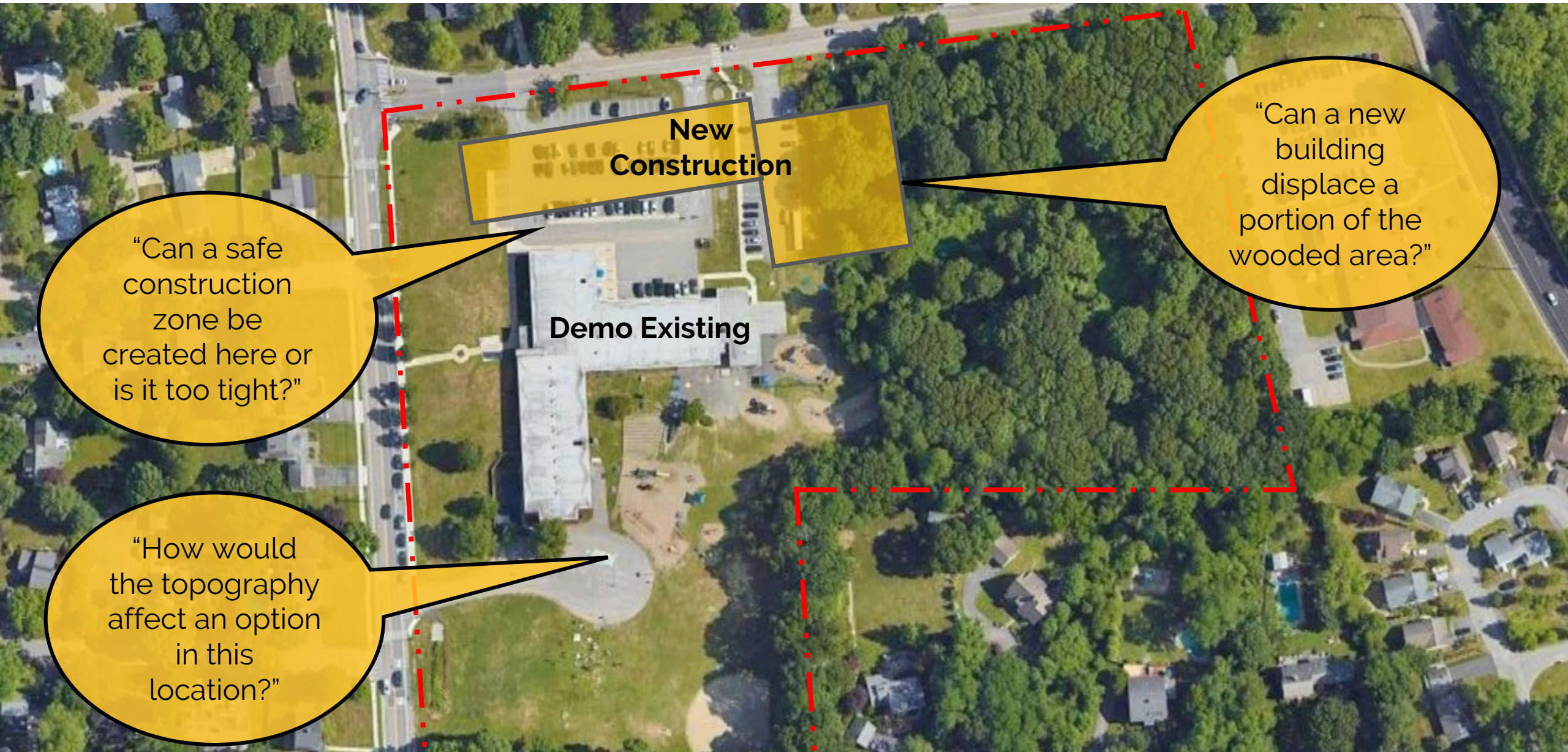
New Construction

“Relocate parking closer to the new building?”

“How would the topography affect an option in this location?”

“Could the existing play areas remain in place with this option?”

Transformational Case Study: New Building – Primrose Hill Elementary School (Option 2)



New Construction

Demo Existing

“Can a safe construction zone be created here or is it too tight?”

“How would the topography affect an option in this location?”

“Can a new building displace a portion of the wooded area?”

Case Study: JOHNSTON STAGE II

<u>Barnes Elementary</u> Grades: 1-5	→	<u>Demoed for new Early Childhood Center – Grades Prek-K</u>
<u>Brown Avenue Elementary</u> Grades: 1-5	→	<u>Vacated, property could be sold</u>
<u>Graniteville ECC Annex</u> Grades: Prek	→	<u>Vacated, property could be sold</u>
<u>Thornton Elementary</u> Grades: 1-5	→	<u>Vacated, property could be sold</u>
<u>Winsor Hill Elementary</u> Grades: 1-5	→	<u>Vacated, property could be sold</u>
<u>Ferri Middle School</u> Grades: Prek & 6-8	→	<u>Renovate to “Like New” – Grades 5-8</u>
<u>Johnston Senior High School</u> Grades: 9-12	→	<u>Renovate to “Like New” – Grades 9-12</u>
<u>New Elementary School</u> Grades: 1-4	→	<u>New 1,100 student school - Grades 1-4</u>
<u>New Early Childhood Center</u> Grades: Prek-K	→	<u>New 359 student school - Grades Prek-K</u>

Case Study: JOHNSTON STAGE II



CLOSING REMARKS + Q+A



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115

WHY THIS TEAM

1. THE RIGHT EXPERIENCE

THE ABILITY TO GET UP TO SPEED FAST ON STAGE II

2. LOCAL TEAM; NATIONAL EXPERTISE

PREPARING YOUR STUDENTS FOR THE NEXT STEPS IN THEIR EDUCATION

3. ABILITY TO BUILD CONSENSUS

ENGAGING THE COMMUNITY + WORKING WITH MULTIPLE STAKEHOLDERS

4. ASPIRATIONAL VISION

REINVEST IN YOUR FACILITIES TO MATCH YOUR EDUCATIONAL SUCCESS

5. ACHIEVABLE RESULTS

REALIZATION OF THE COMBINED VISION AND GOALS