BARRINGTON PUBLIC SCHOOLS
RIDE STAGE II SERVICES

SLAM

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%

DESIGN

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

MBE **LAND SURVEY + TRAFFIC**
BRYANT ASSOCIATES

WBE **LANDSCAPE ARCHITECTURE**
TRAVERSE

MBE DBE **GEOTECHNICAL**
LAHLAF

ACOUSTICAL
CAVANAUGH TOCCI

CODE CONSULTANT
CODE RED

WBE **NE/CHPS**
cmk LEED

FOOD SERVICE
CRABTREE MCGRATH

WBE **LIGHTING**
ALD, LLC

WBE MBE **COST ESTIMATOR**
MIYAKODA CONSULTING

WBE DBE **HAZMAT**
CDW CONSULTANTS

SLAM

BY THE NUMBERS

9
OFFICES

280
EMPLOYEES

$6 BILLION
OF SUSTAINABLE WORK

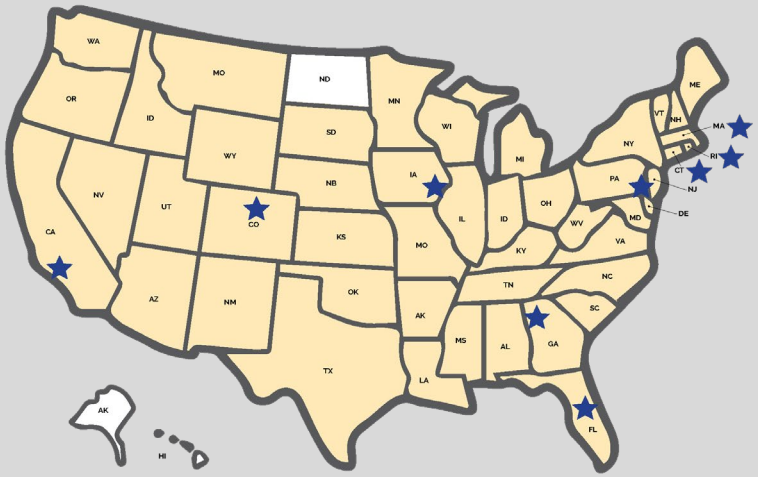
NATIONALLY RANKED

#32
K-12 EDUCATION

#19
HIGHER EDUCATION

NATIONAL FIRM

with the benefit of local core teams

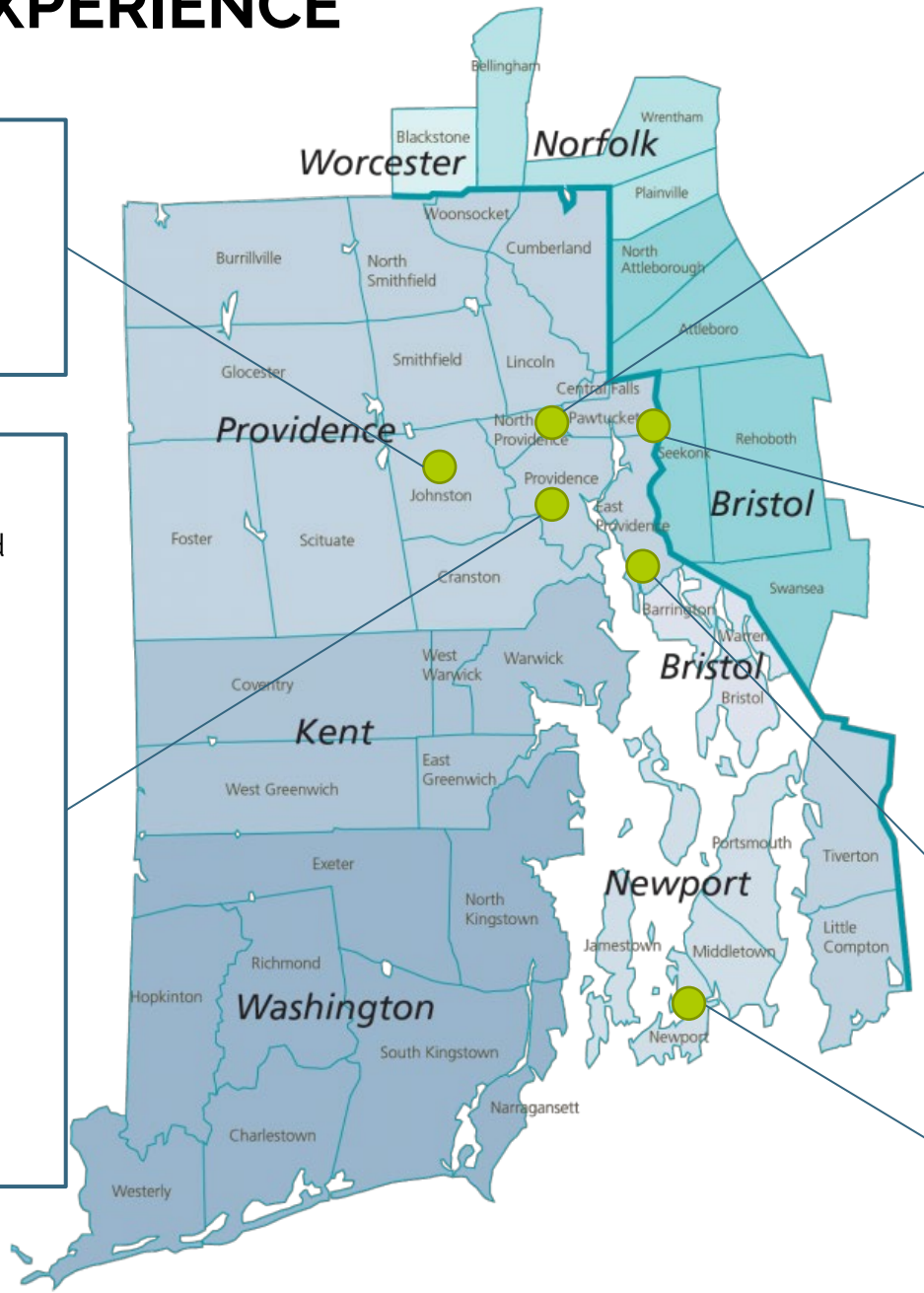


OVER 85%
REPEAT CLIENTS

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

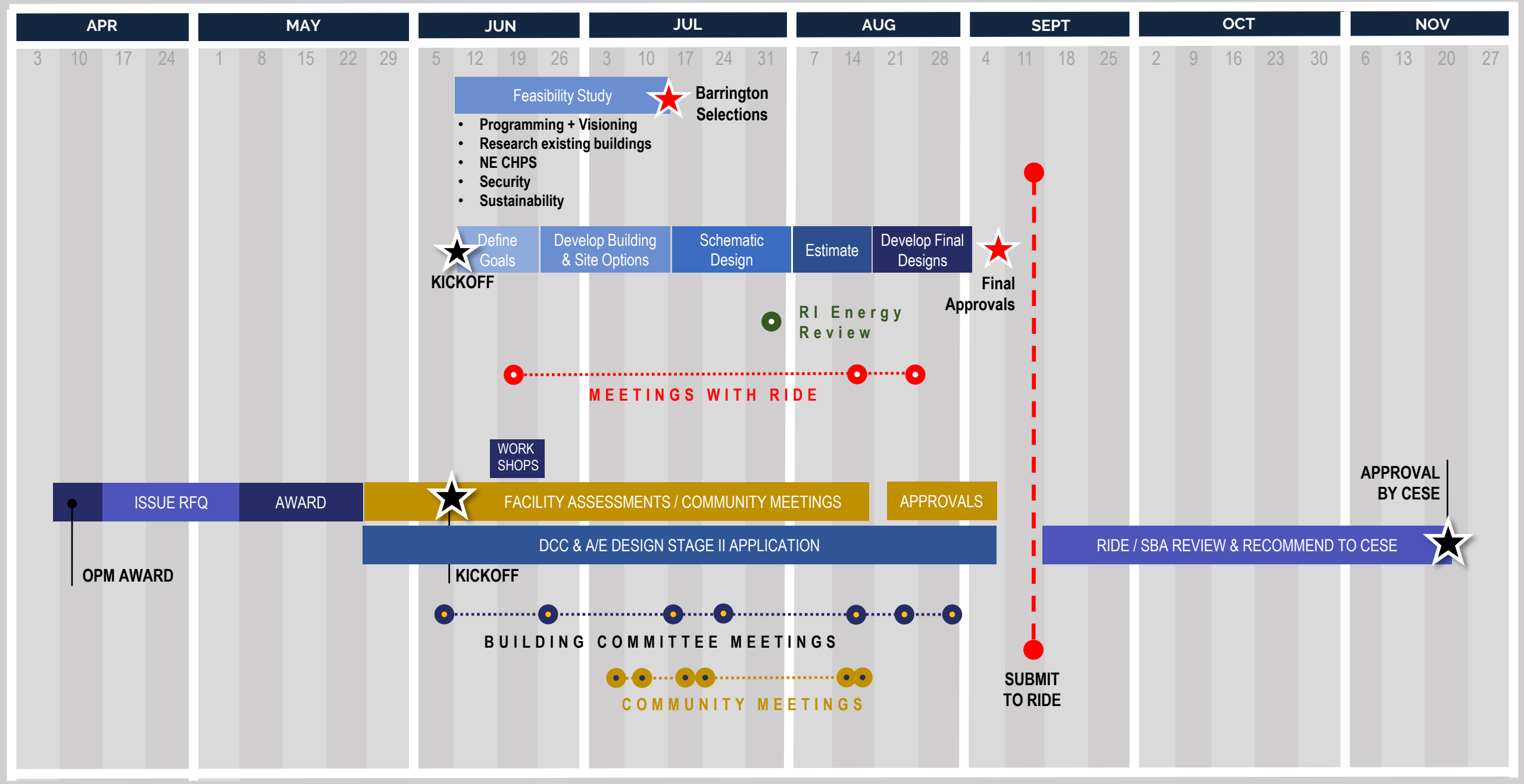
Pawtucket:
- **RIDE STAGE II & III**
  - Winters STEAM Elem. School
  - Baldwin Elementary School
  - Shea High School
  - Tolman High School
  - Health & Safety Upgrades

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

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

SCHEDULE + FINANCIAL MANAGEMENT

SLAM +


APR
MAY
JUN
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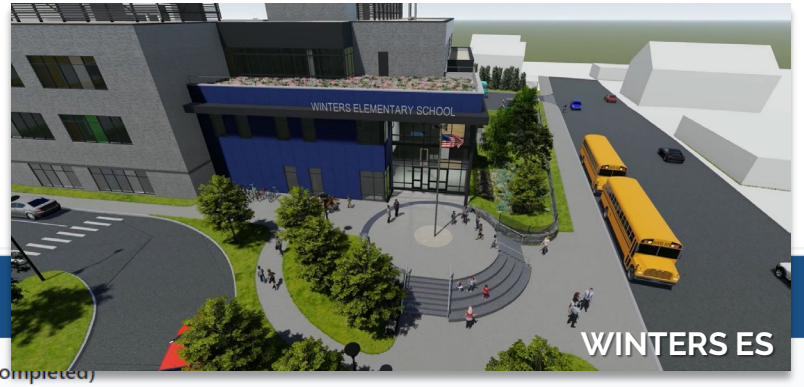
3 10 17 24
1 8 15 22 29
5 12 19 26
3 10 17 24 31
7 14 21 28
4 11 18 25
2 9 16 23 30
6 13 20 27
Feasibility Study
Barrington Selections
Programming + Visioning
Research existing buildings
NE CHPS
Security
Sustainability
Define Goals
Develop Building & Site Options
Schematic Design
Estimate
Develop Final Designs
KICKOFF
Final Approvals
RI Energy Review
MEETINGS WITH RIDE
WORK SHOPS
ISSUE RFQ
AWARD
FACILITY ASSESSMENTS / COMMUNITY MEETINGS
APPROVALS
APPROVAL BY CESE
DCC & A/E DESIGN STAGE II APPLICATION
RIDE / SBA REVIEW & RECOMMEND TO CESE
OPM AWARD
KICKOFF
BUILDING COMMITTEE MEETINGS
COMMUNITY MEETINGS
SUBMIT TO RIDE

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		
Memoradum of Agreement		
Project Schedule		

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 / Value Paradigm

Cost of Change

Value

STAGE 1 Feasibility Study/ Programming

STAGE 2 Schematic Design

ACKNOWLEDGMENT OF RIDE FUNDING

Design Development

STAGE 3

Construction Documents

STAGE 4 Construction

Net Zero **STRATEGIES**

IN HOUSE ENERGY MODELING

HVAC SYSTEM TYPE (PROPOSED VRF AND DOAS)

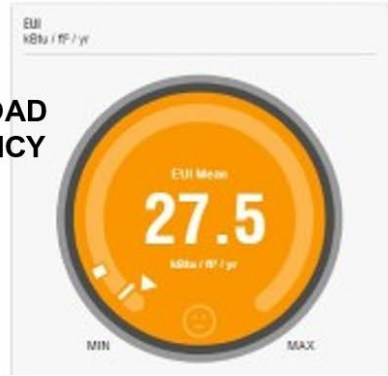
HIGH EFF. HEAT PUMP

LIGHTING EFFICIENCY

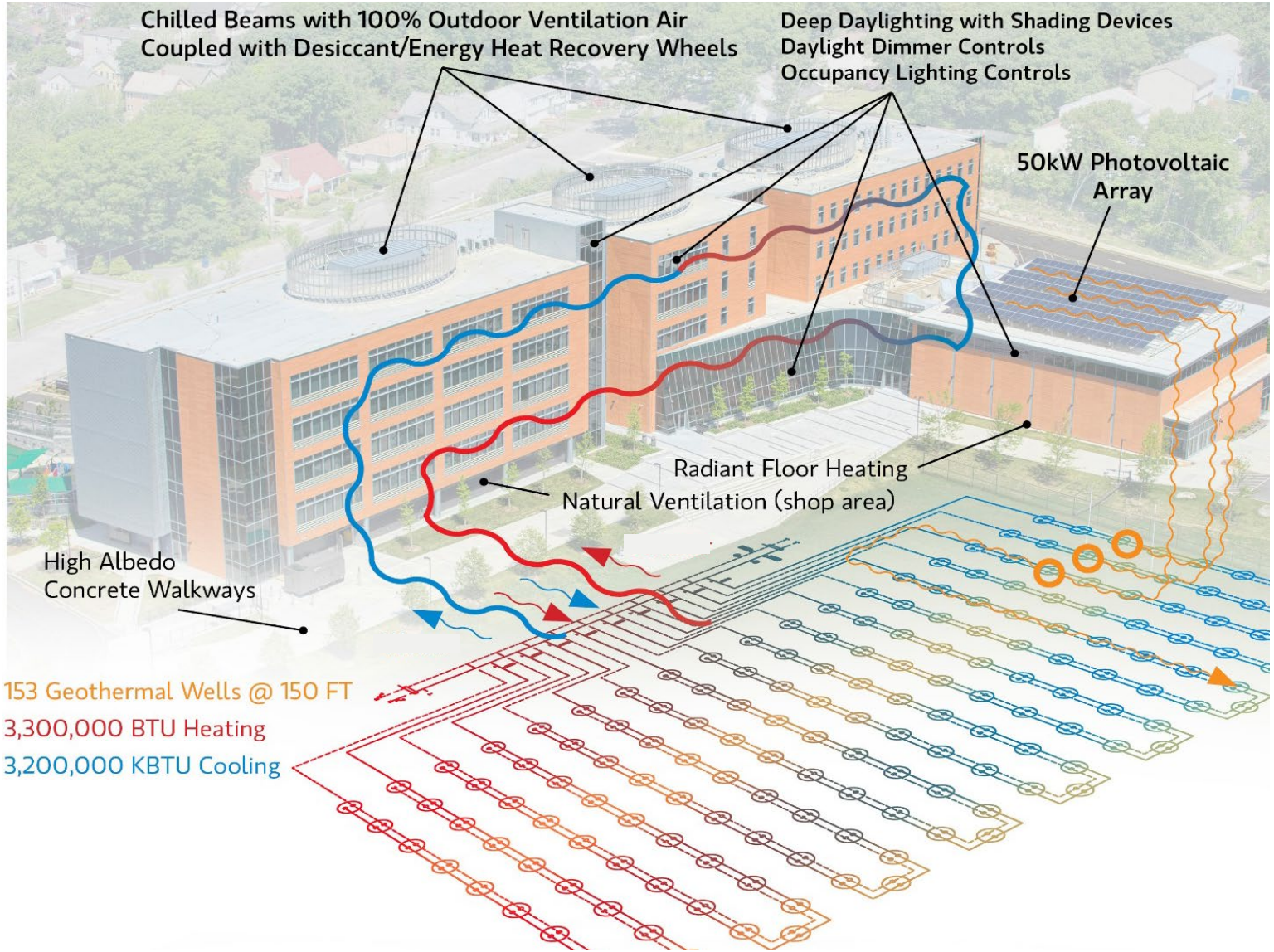
0.3 W/SF

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**
- DESICANT/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

DESIGN + PREVIOUS EXPERIENCE

SLAM + B

Incorporating the Input

RIDE

Visioning

User Work-shop

User Work-shop

User Work-shop

SBC

RIDE

Programming

Planning

Barrington Community Voices

SBC

User Reviews

User Reviews

Barrington Community Voices

SBC

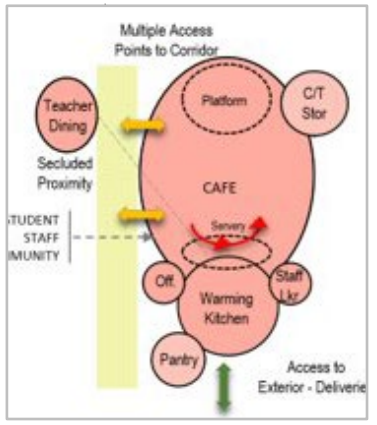
RIDE

SBC

Barrington

RIDE

Ed Spec Report



SLAM + MLP INTEGRATED DESIGN

Visioning **PROCESS**

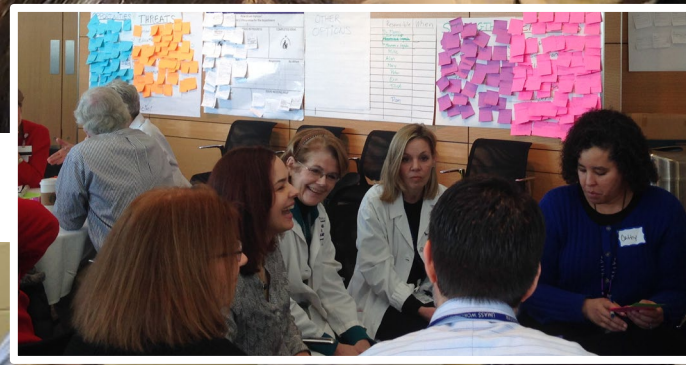
CRITICAL TOPICS FOR STAGE II:

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

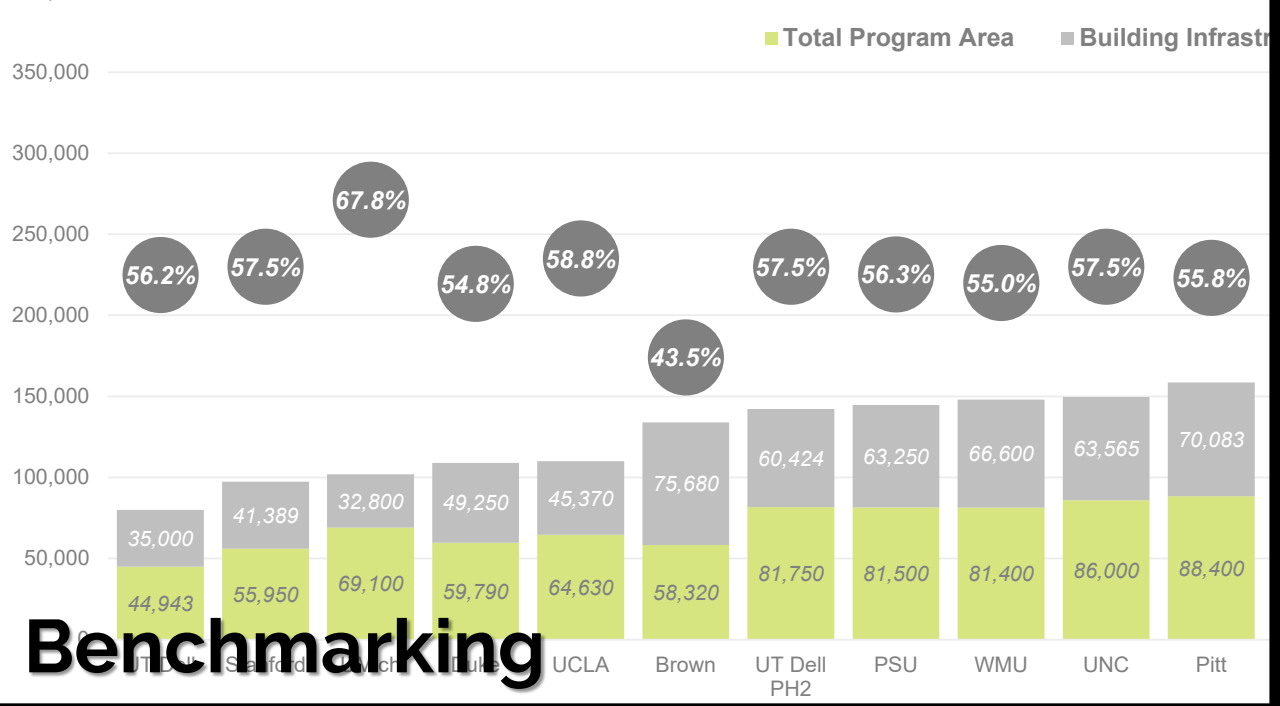
Facilities
- Safety and Security
- Flexible and Varied Furniture
- Teacher Planning Centers

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

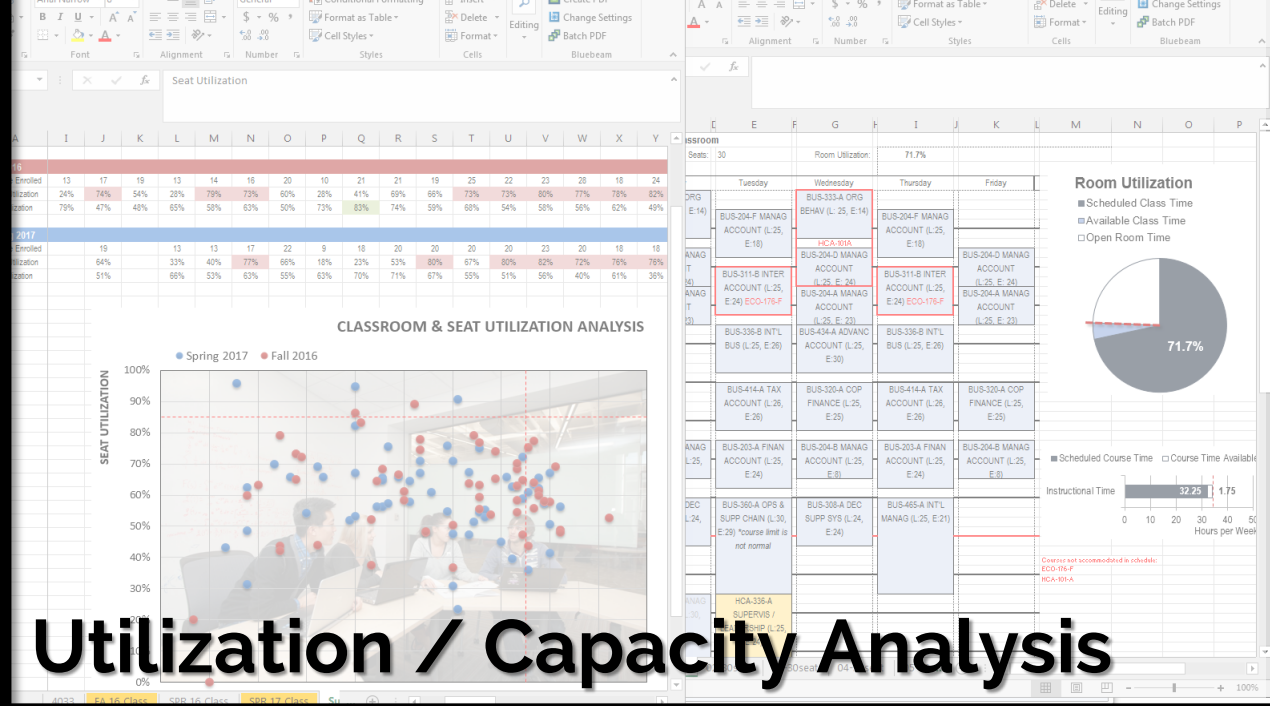
Organizational models
- Multi-Grade Classrooms
- Team Teaching
- Learning Commons
- Collaboration Among Grades



SLAM + MLP INTEGRATED DESIGN



Benchmarking



Utilization / Capacity Analysis

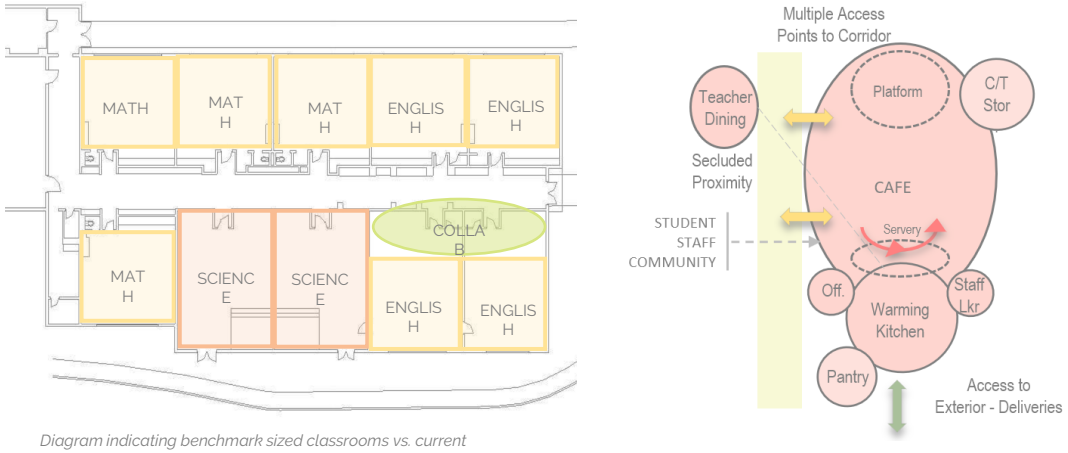
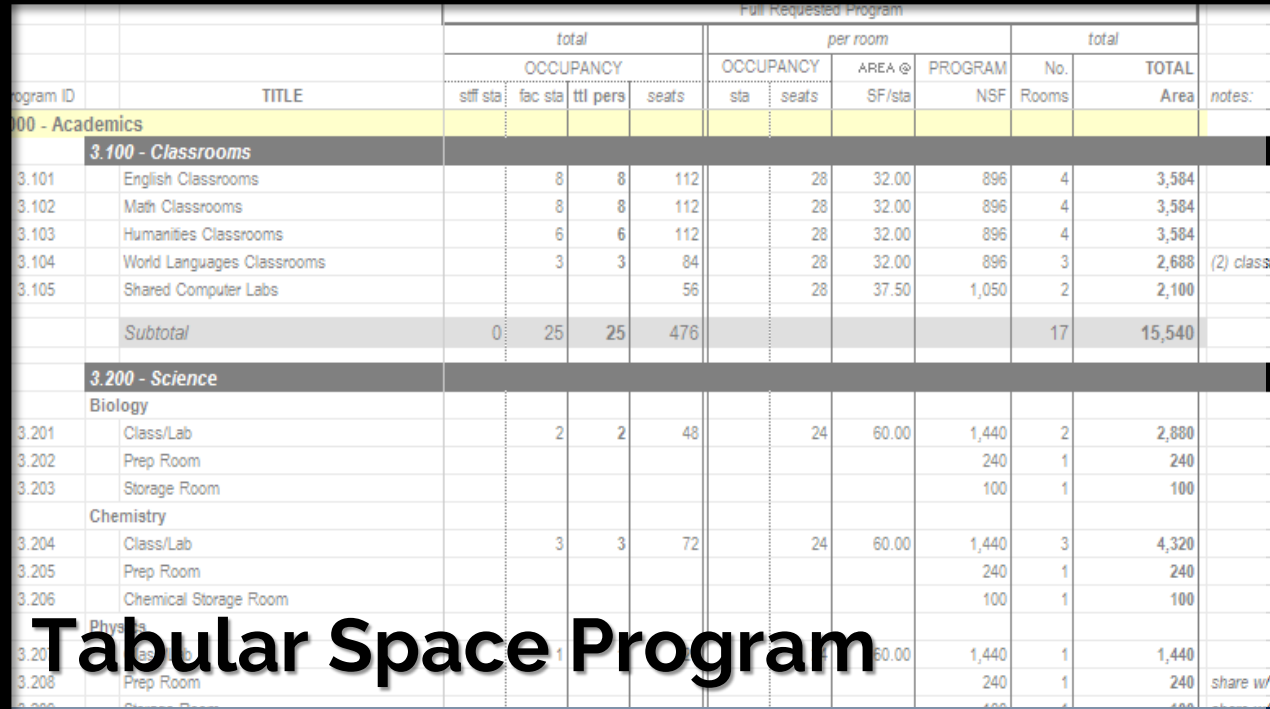


Diagram indicating benchmark sized classrooms vs. current

Adjacency Diagrams

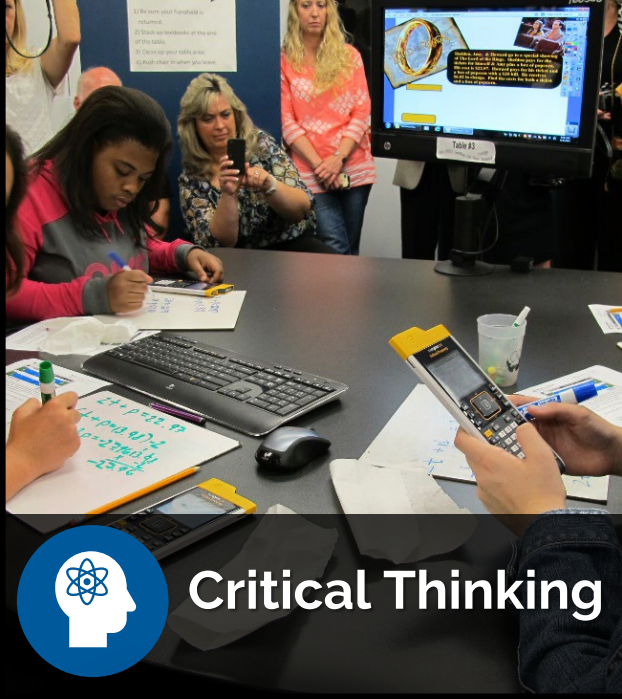


Full Requested Program

program ID	TITLE	total OCCUPANCY stff sta	fac sta	ttl pers	seats	per room OCCUPANCY sta	seats	AREA @ SF/sta	PROGRAM NSF	total No. Rooms	TOTAL Area	notes:
000 - 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	
3.104	World Languages Classrooms		3	3	84		28	32.00	896	3	2,688	(2) class
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					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

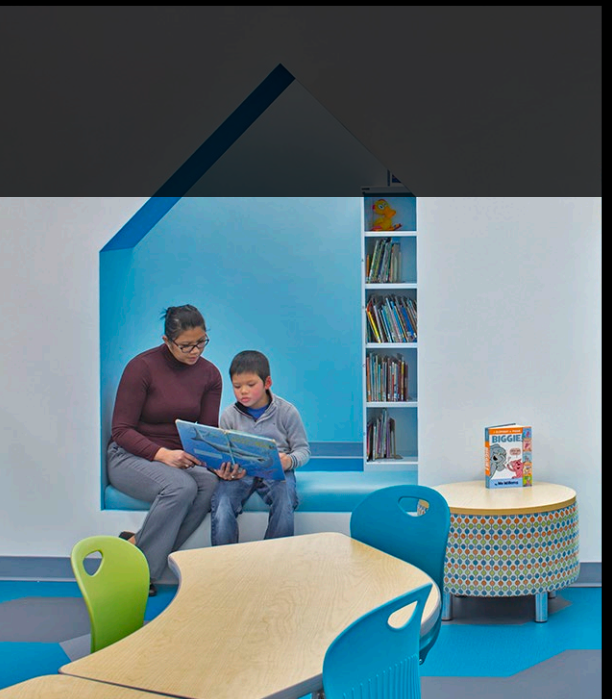


Communication

Character

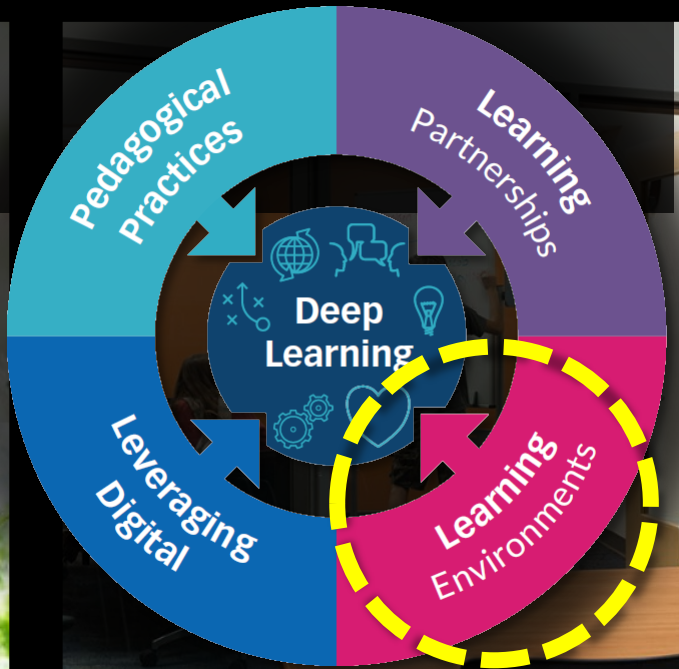
Creativity

Critical Thinking



Collaboration

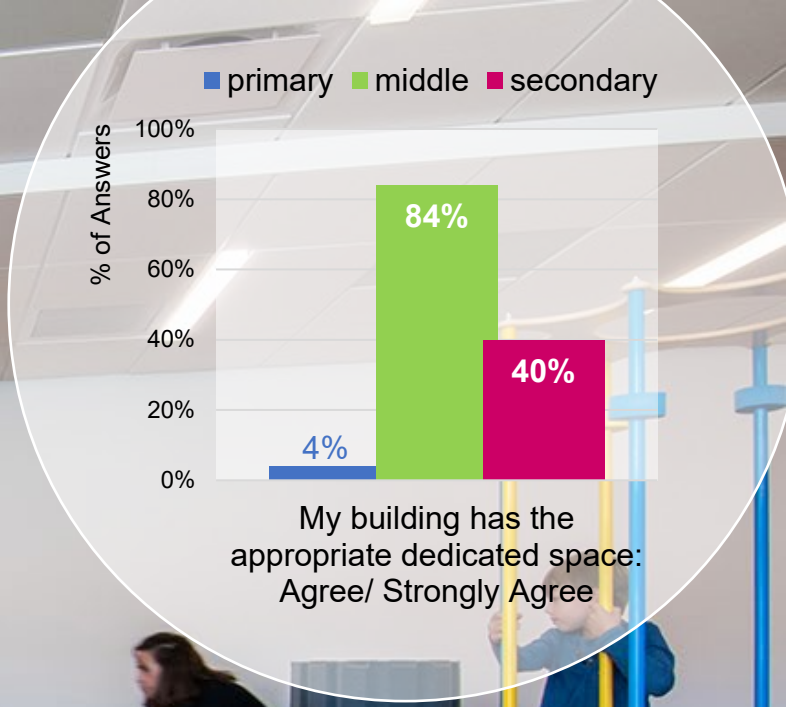
Citizenship



Critical Thinking

Communication

Character



Desired Outcomes

Varied Activities

Safety

Full Body Movement

Space Need

Specialized Equipment

Flexible/Adaptable Furniture

Right-Sized Space & Support

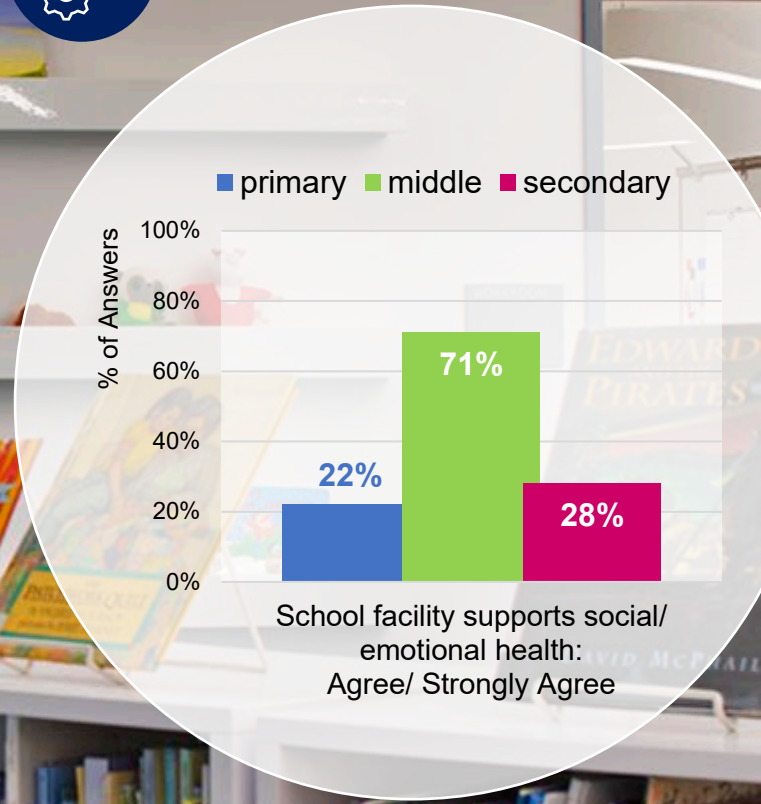

primary
middle
secondary
% of Answers
100%
80%
60%
40%
20%
0%
14%
96%
41%
School Facility Design supports 21st Century Teaching & Learning: Agree/ Strongly Agree
Collaboration
Communication
Critical Thinking
Desired Outcomes
Group Work
Instructor Circulation
Plug & Play Tech
Space Need
Team-Based Tables
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

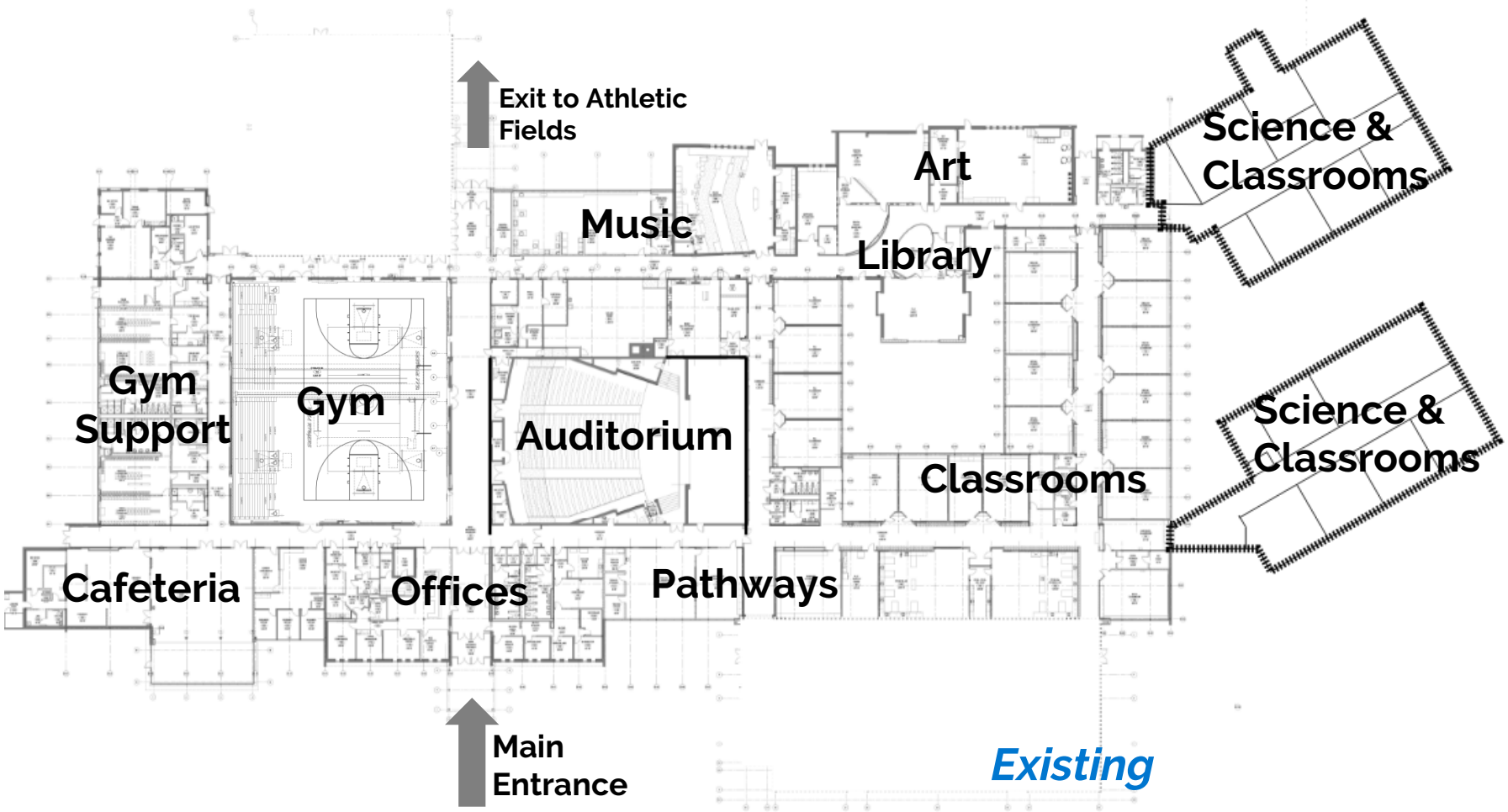
Power & Technology Throughout

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

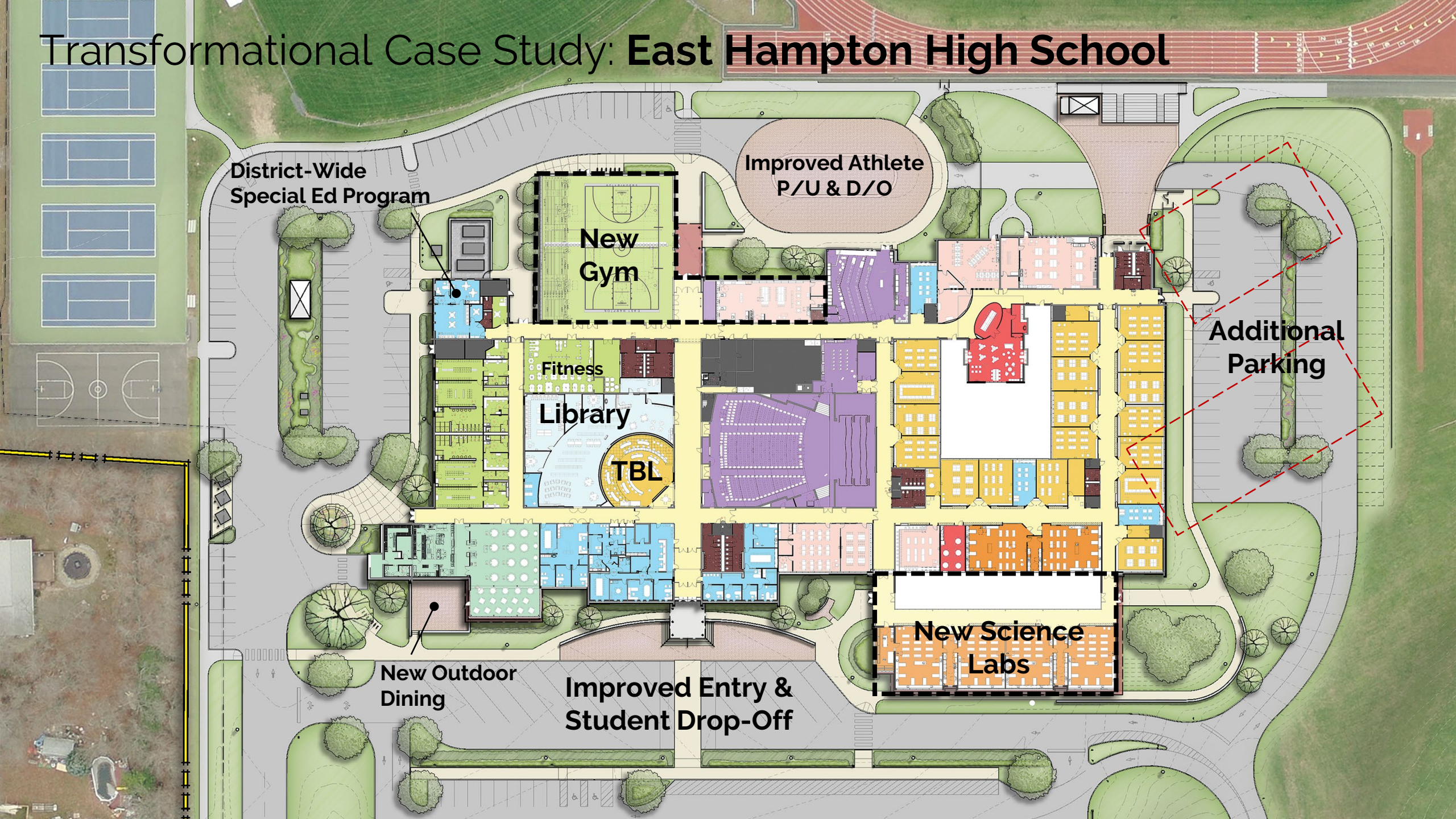
High performing school despite facility age and condition

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**



East Hampton High School **TRANSFORMATION**


EXIT
EXIT

"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

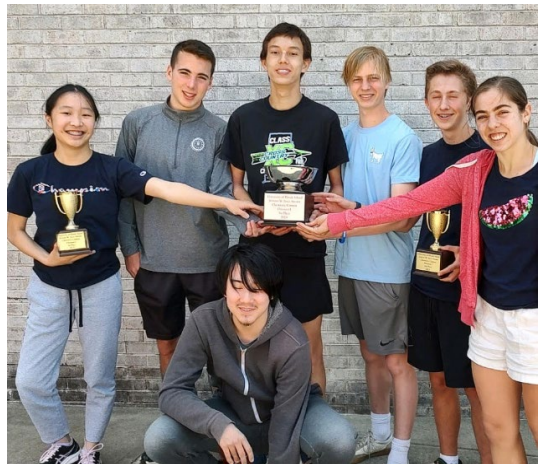
U.S. Department of Education National Blue Ribbon Schools
CELEBRATING 40 YEARS EXCELLENCE

Empowering students to excel in critical thinking.

Engaging students in deep & rigorous learning.

Educating students to be 21st century global citizens.

Stronger Together
ENHANCING EDUCATION THROUGH WELLNESS

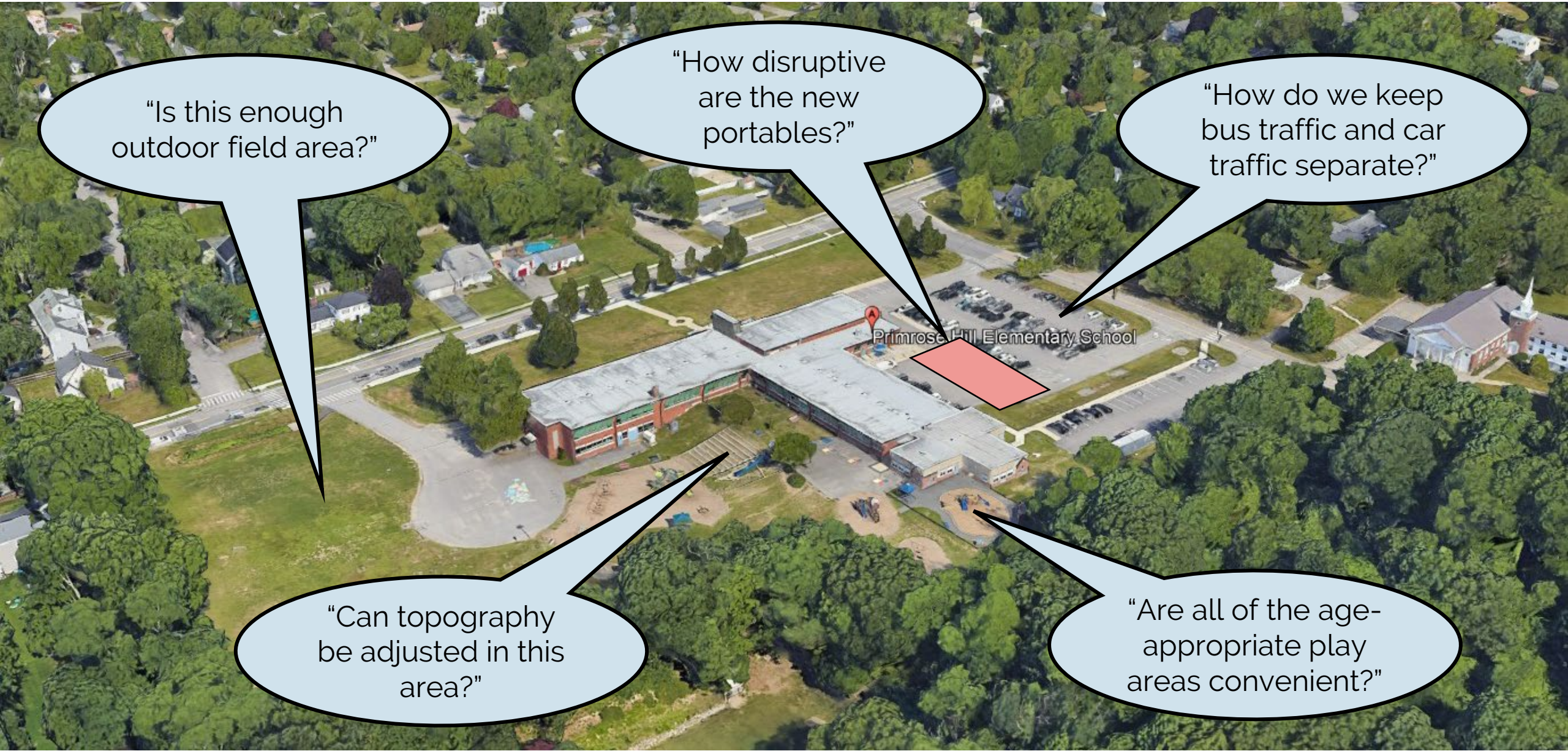


Barrington **SCHOOL DISTRICT**

Transformational Case Study:

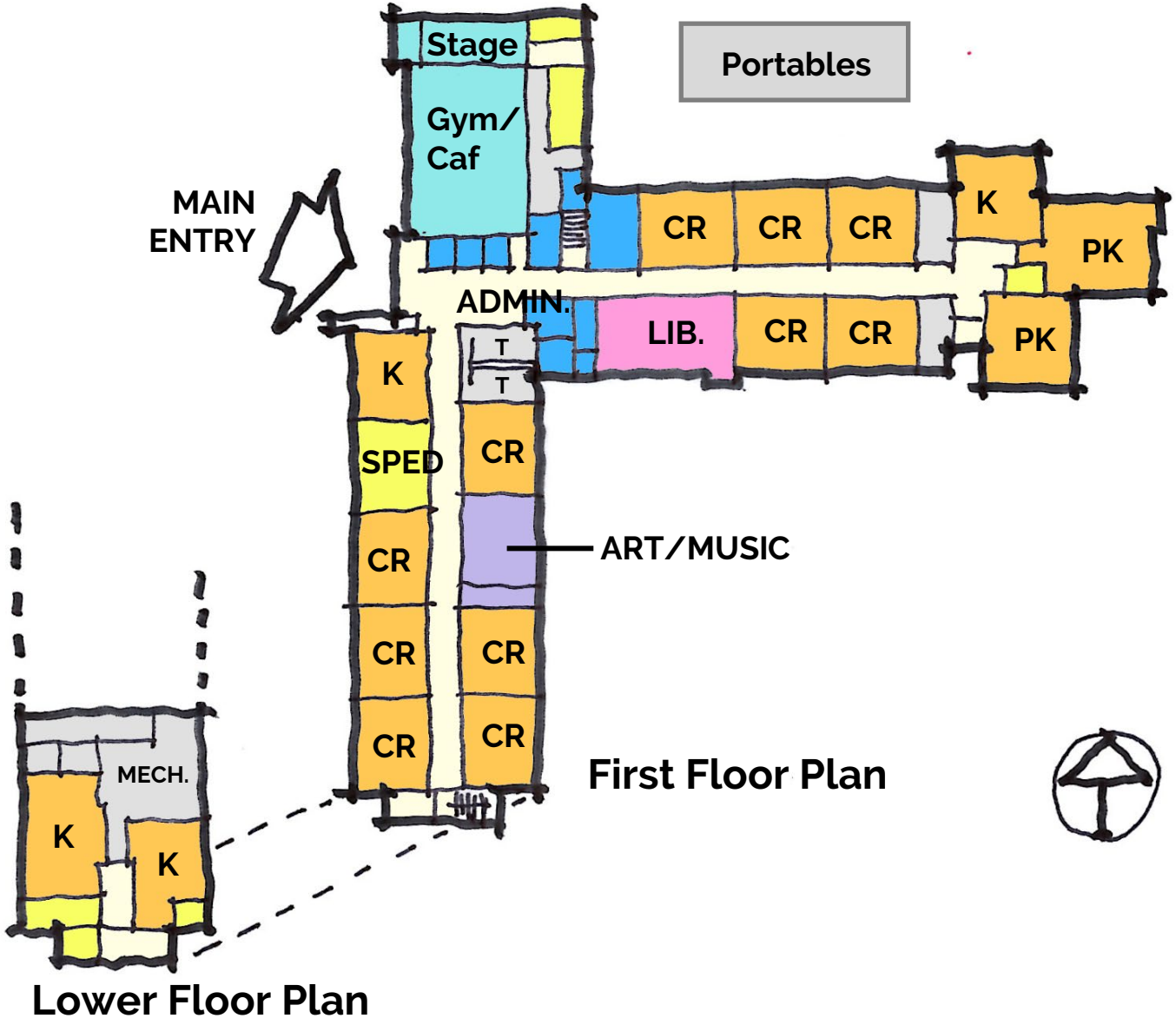
Existing Conditions – Primrose Hill Elementary School

Transformational Case Study:
Asking Questions – Primrose Hill Elementary School



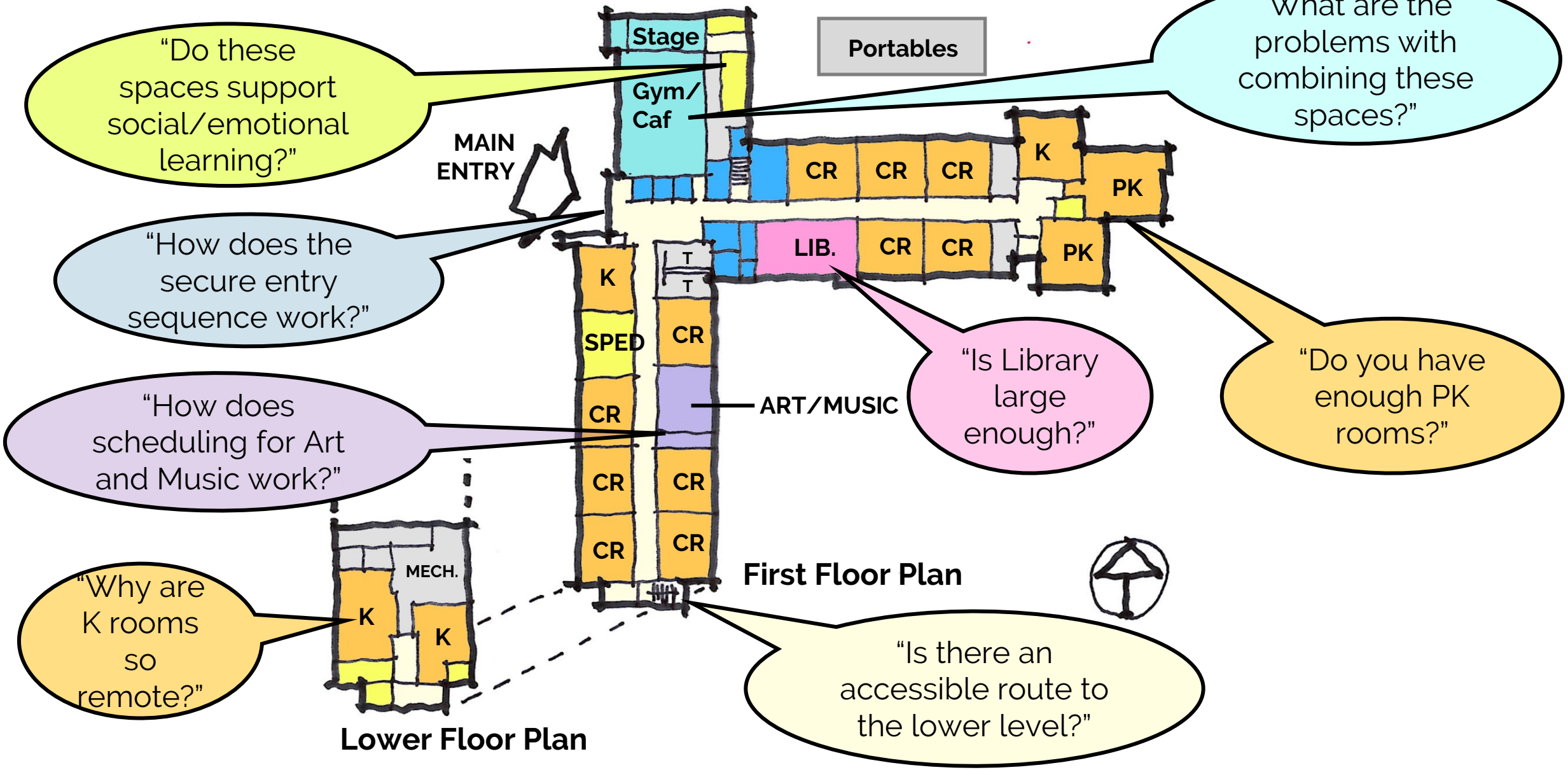
Transformational Case Study:

Existing Conditions – Primrose Hill Elementary School

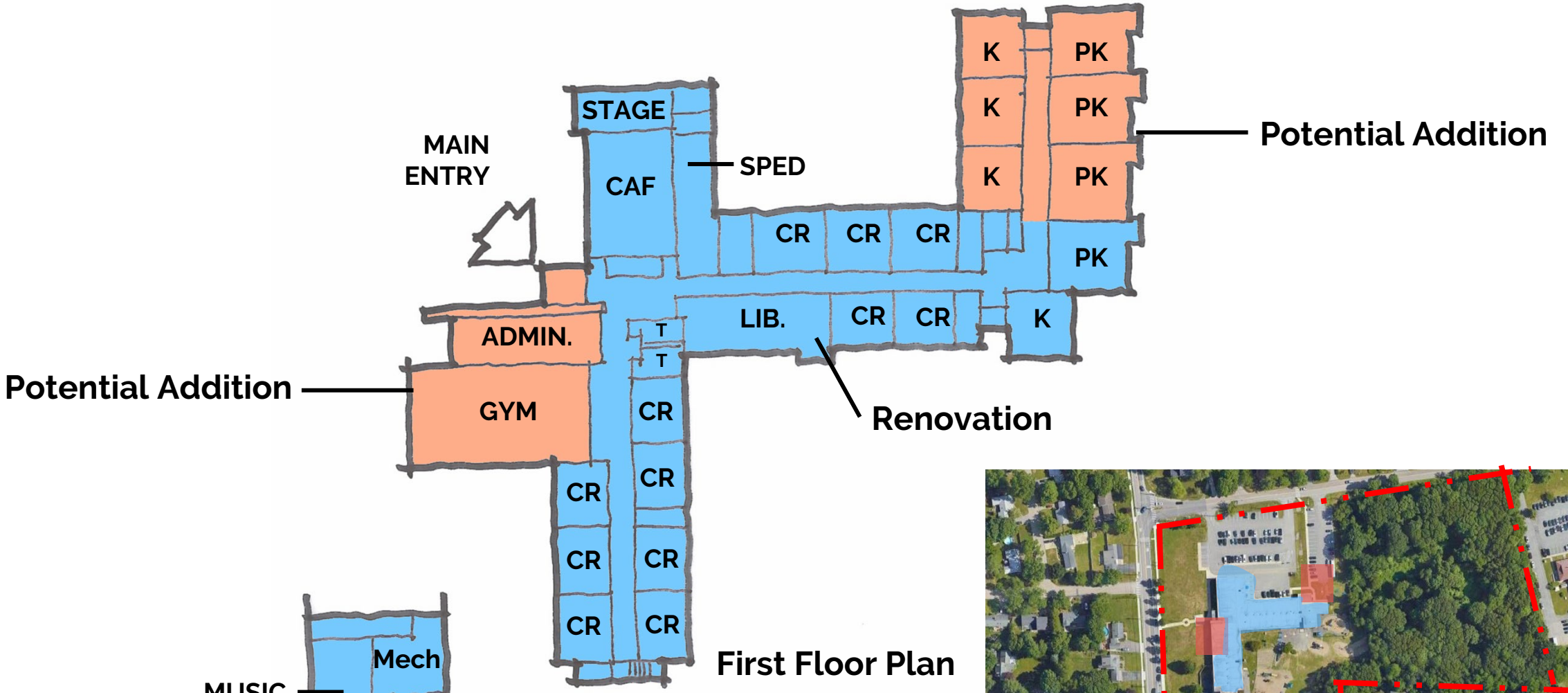


Transformational Case Study:

Asking Questions– Primrose Hill Elementary School

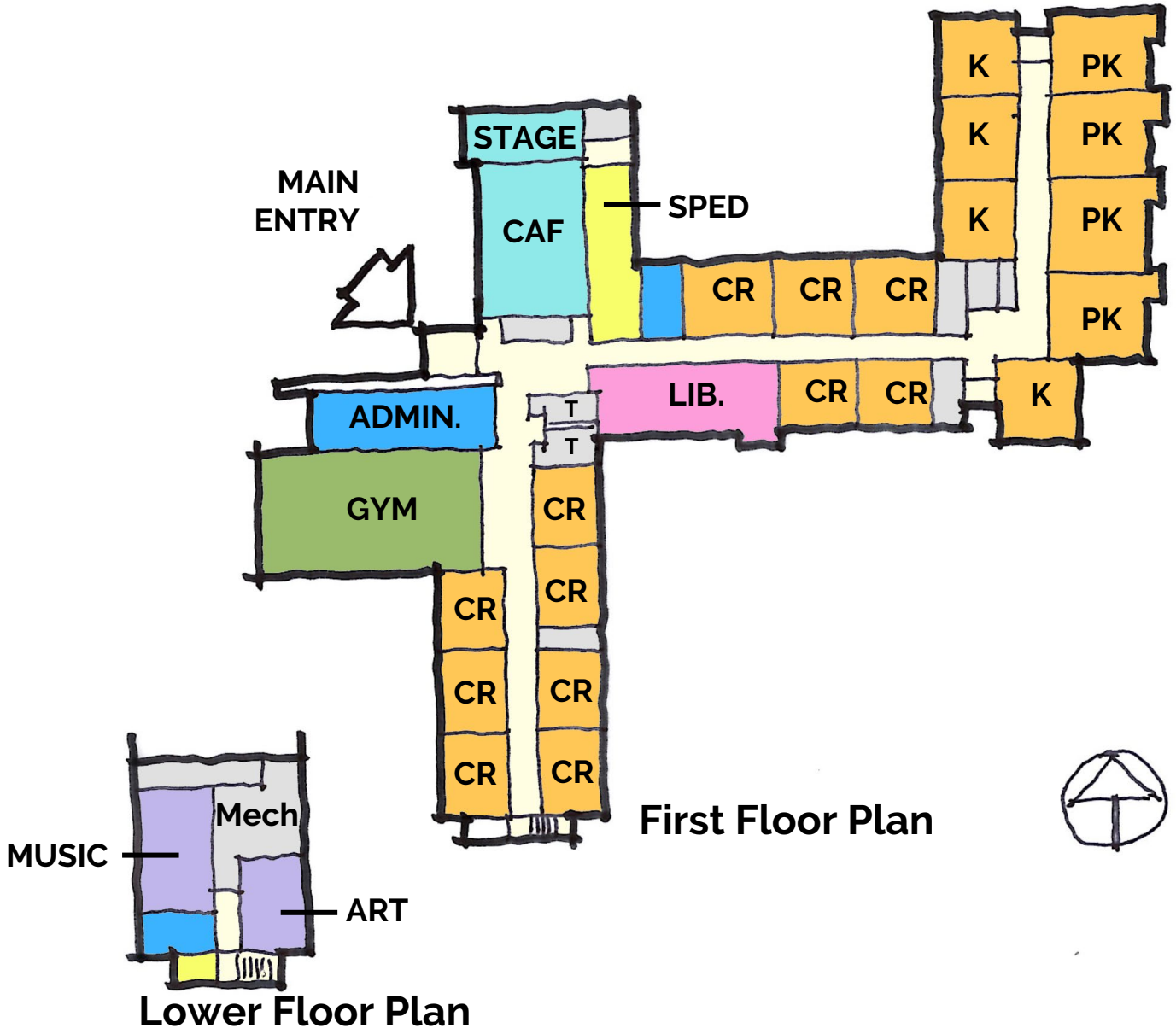


Transformational Case Study:
Potential Solutions – Primrose Hill Elementary School

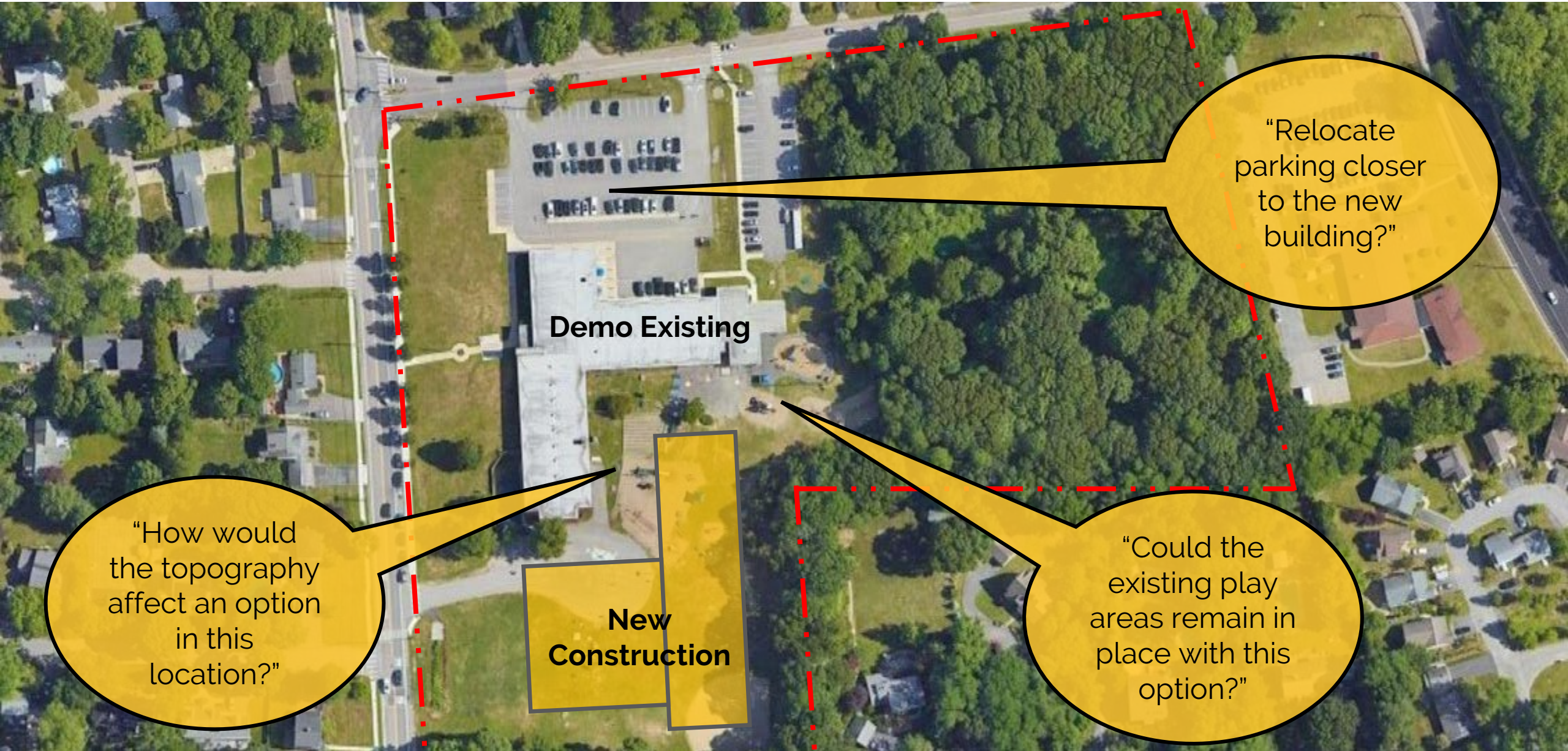


Transformational Case Study:

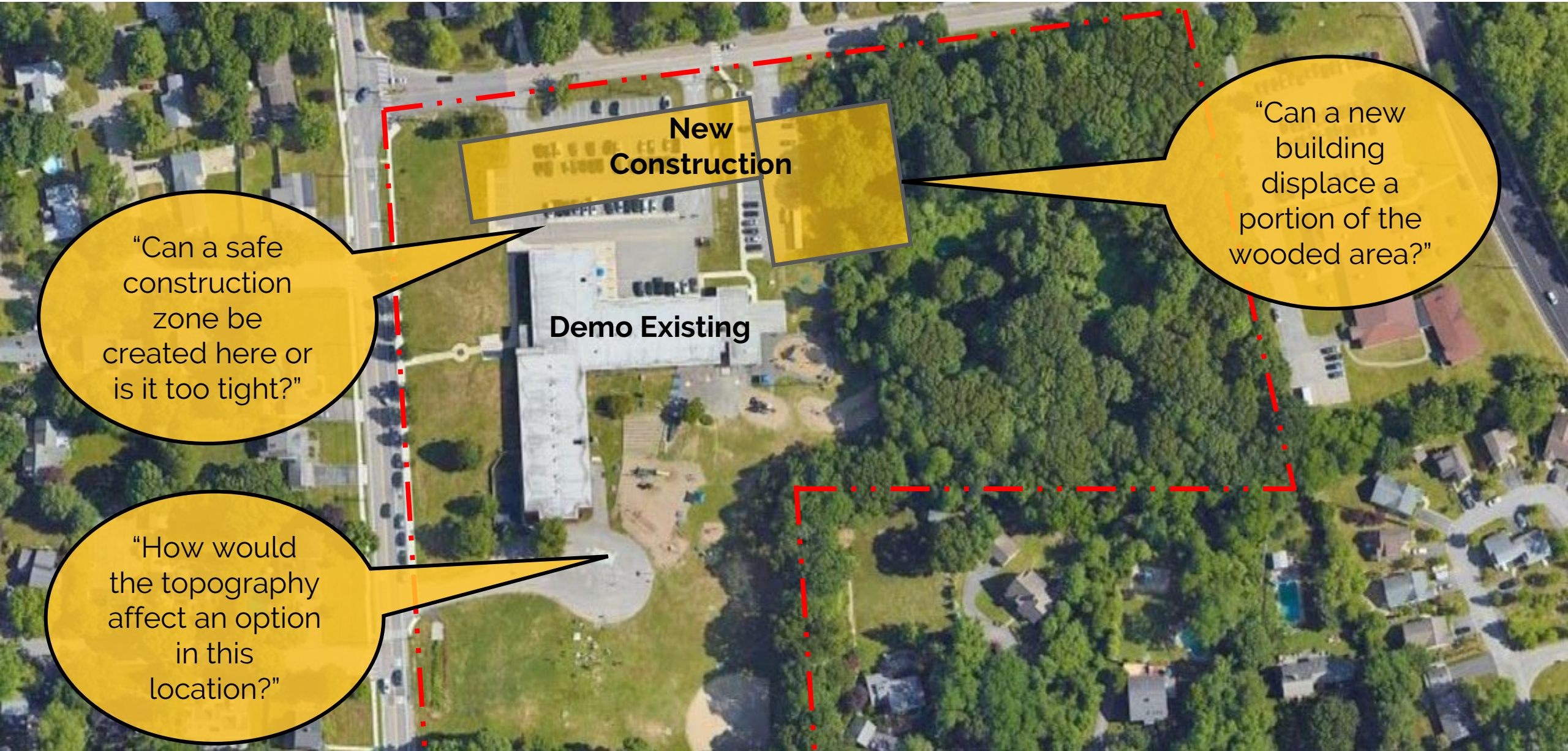
Potential Solutions – Primrose Hill Elementary School



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



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



Case Study: **JOHNSTON STAGE II**

Barnes Elementary
Grades: 1-5 → **Demoed for new Early Childhood Center – Grades Prek-K**

Brown Avenue Elementary
Grades: 1-5 → **Vacated, property could be sold**

Graniteville ECC Annex
Grades: Prek → **Vacated, property could be sold**

Thornton Elementary
Grades: 1-5 → **Vacated, property could be sold**

Winsor Hill Elementary
Grades: 1-5 → **Vacated, property could be sold**

Ferri Middle School
Grades: Prek & 6-8 → **Renovate to "Like New" – Grades 5-8**

Johnston Senior High School
Grades: 9-12 → **Renovate to "Like New" – Grades 9-12**

New Elementary School
Grades: 1-4 → **New 1,100 student school - Grades 1-4**

New Early Childhood Center
Grades: Prek-K → **New 359 student school - Grades Prek-K**

Case Study: **JOHNSTON STAGE II**

CLOSING REMARKS + Q+A

SLAM + B

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