

Build BPS

Welcome to The Latin School

March 11, 2016



Agenda



Introductions

10 Year Facility and Educational Masterplan

Phase II Process

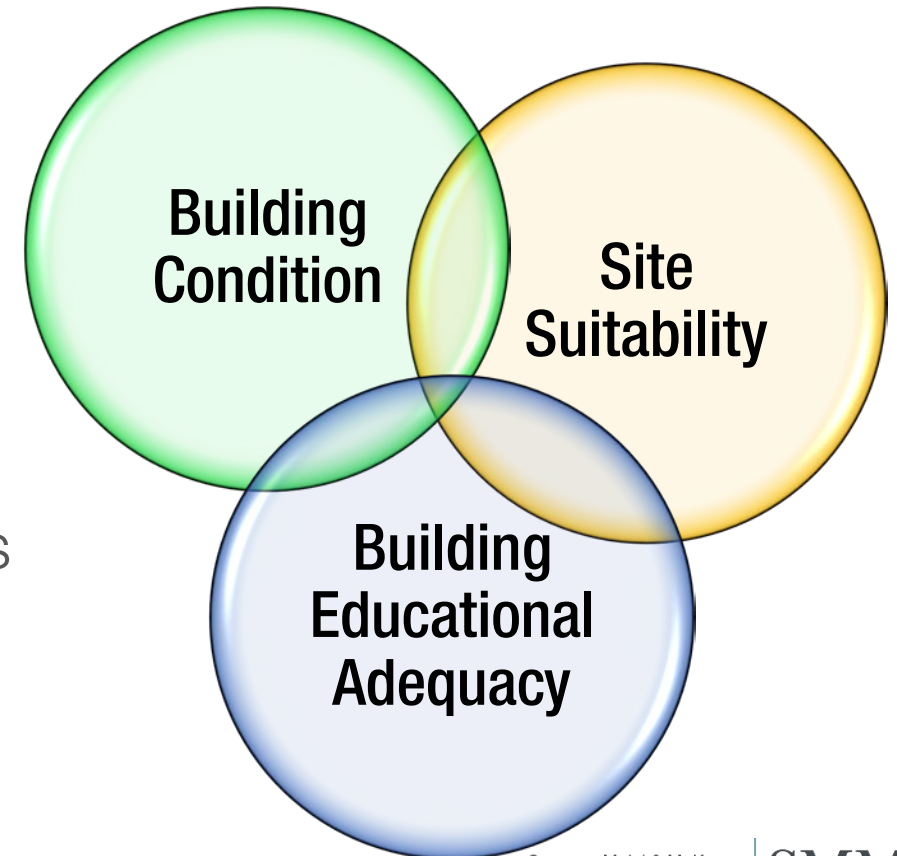
Physical Analysis Report

Educational Program Assessment Report

21st Century Educational Concepts & Spaces

Site and Neighborhood Discussion

Next Steps and Q&A



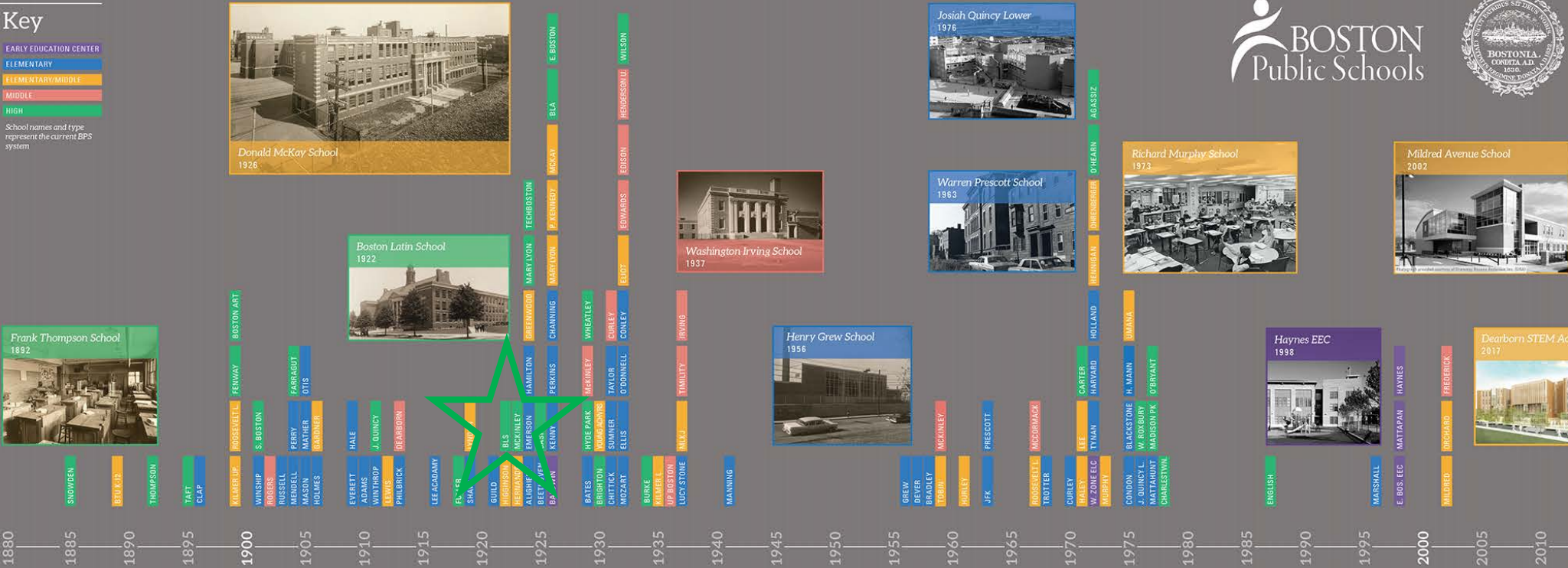
BPS Timeline



Key

- EARLY EDUCATION CENTER
- ELEMENTARY
- ELEMENTARY/MIDDLE
- MIDDLE
- HIGH

School names and type represent the current BPS system



BOSTON
Public Schools



Build BPS

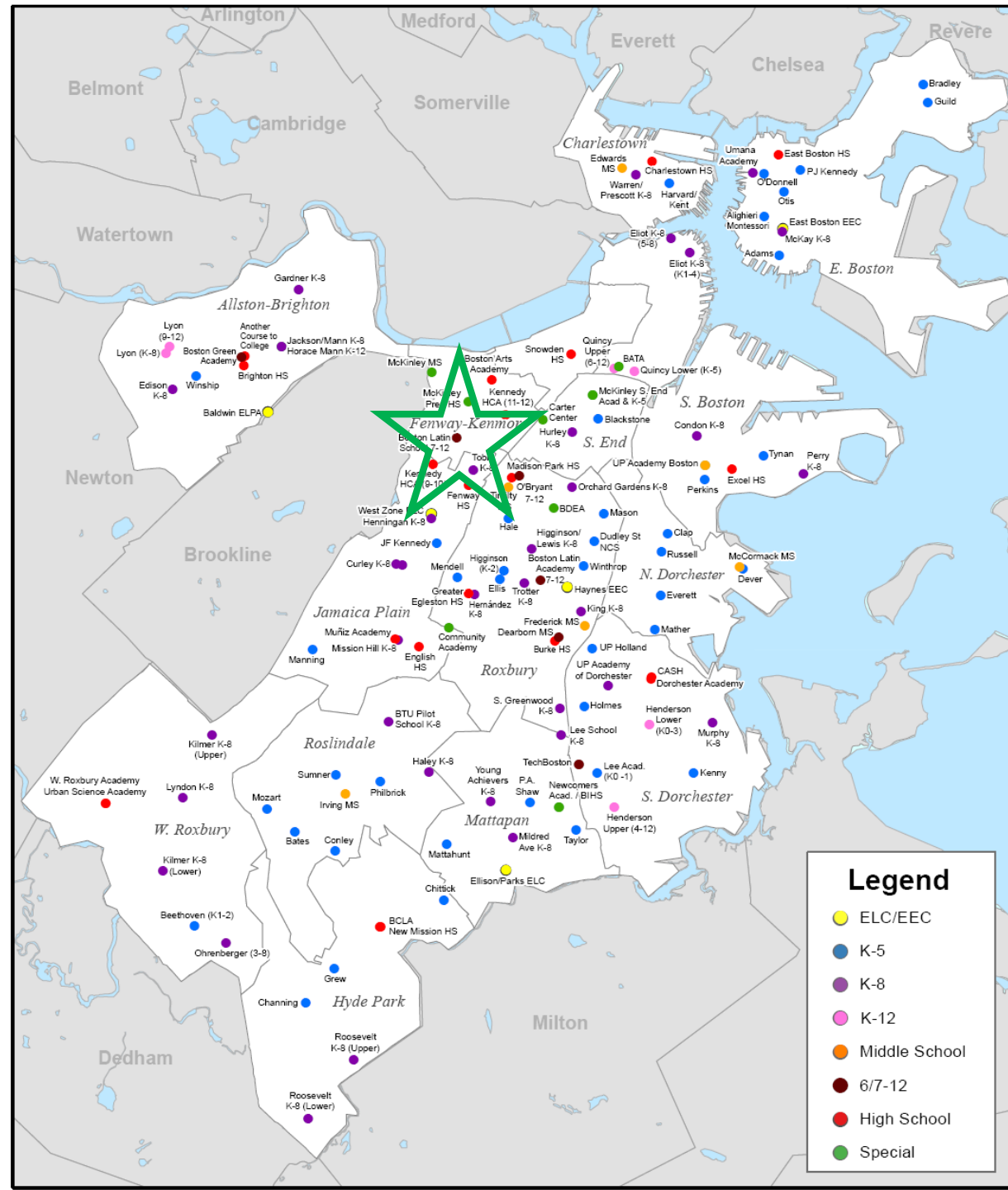
Boston Public Schools
Building History



Building Boston's Public Schools, One Story at a Time

SMMA

**BOSTON
PUBLIC
SCHOOLS**
SY 2015 - 2016



Criteria
Evaluation Form

3 | Educational Analysis

Building originally designed as ☐ HS ☐ JHS ☐ MS ☐ K-8 ☐ ES ☐ EEC

The grade configuration this school is best suited to:

• Pre-K to 1	<input type="checkbox"/> YES	<input type="checkbox"/> NO	• 7 to 8	<input type="checkbox"/> YES	<input type="checkbox"/> NO
• Pre-K to 3	<input type="checkbox"/> YES	<input type="checkbox"/> NO	• 6 to 12	<input type="checkbox"/> YES	<input type="checkbox"/> NO
• Pre-K to 5	<input type="checkbox"/> YES	<input type="checkbox"/> NO	• 7 to 12	<input type="checkbox"/> YES	<input type="checkbox"/> NO
• Pre-K to 6	<input type="checkbox"/> YES	<input type="checkbox"/> NO	• 9 to 12	<input type="checkbox"/> YES	<input type="checkbox"/> NO
• 4 to 6	<input type="checkbox"/> YES	<input type="checkbox"/> NO	COMMENT: _____		
• 6 to 8	<input type="checkbox"/> YES	<input type="checkbox"/> NO	_____		

Educational Building Analysis:

Ventilation	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Natural Daylighting	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Air Quality	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Acoustical	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Technology:					
• Power	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
• Wireless	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
• Interactive	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Furniture	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Finishes	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Environment (inviting/stimulating/comfortable):	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Adjacencies of Learning Environments:	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Outdoor Classrooms	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing
Overall Building Rating	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Failing

COMMENT: _____

The site includes:

• Play Grounds/Areas	<input type="checkbox"/> YES	<input type="checkbox"/> NO	COMMENT: _____
• Accessible	<input type="checkbox"/> YES	<input type="checkbox"/> NO	COMMENT: _____
• Play Fields	<input type="checkbox"/> YES	<input type="checkbox"/> NO	COMMENT: _____
• Outdoor Classrooms	<input type="checkbox"/> YES	<input type="checkbox"/> NO	COMMENT: _____

Can the building change typology easily? ☐ YES ☐ NO COMMENT: _____

Can the building be transformed educationally to serve 21st C needs? ☐ YES ☐ NO COMMENT: _____

Can the building serve as swing space? ☐ YES ☐ NO COMMENT: _____

Is the building between 85% to 115% utilization rate? ☐ YES ☐ NO COMMENT: _____



Criteria Evaluation Form

SCHOOL NAME: BOSTON LATIN SCHOOL

ID# 00350560

4 | High Schools: 7 to 12

Room Type:	Quantity	MSBA Area	Actual Area	Adequacy
Classroom (General Education)	80	850	790	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• Teacher Planning	15	8100	TOTAL: 5680	
• Small Group	1	500	494	
Science	16	1440	890	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Special Education			0	
• Self Contained		950	0	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• Resource of Small Group	2	500	500	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Art Classroom	5	1200	1180	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Music Classroom	2	1500	1 x 2360 1 x 1630	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Vocation and Technology	3	1200	860	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Gymnasium	76 2	12000	16855	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• PE Alternatives	1	3000	1160	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Media Center	1	14769	10609	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Dining	1	17764	10540	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Auditorium	1	7500	7463	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• Stage	1	1600	913	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Medical	N/A	1810	666	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Administration & Guidance	N/A	7766	10147	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Custodial/Maintenance	N/A	3409 2075	6533	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• AC Tech Network Room		200		<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
Other				
• Computer Lab				<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor
• Community Space	PRO COLLECTION 265 MEMORIAL 550			<input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor

Narrative to Discuss:

- Engaged Learning
- Differentiated Learning
- Cognitively demanding tasks/programs
- Equitable access to a rigorous curriculum
- Vision of 21st Century digital learning

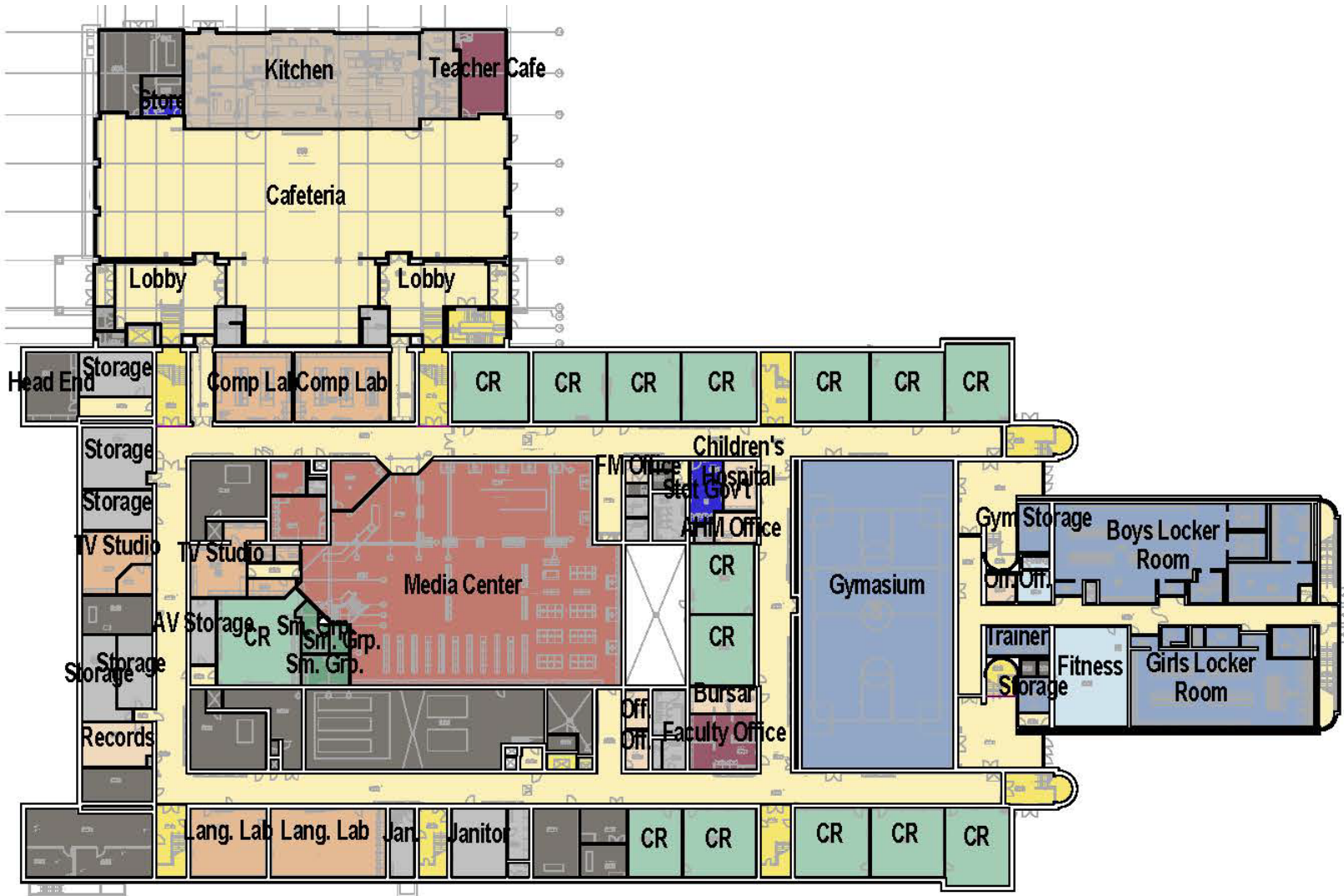
Comments:



Existing Conditions

PROGRAM PLAN LEGEND

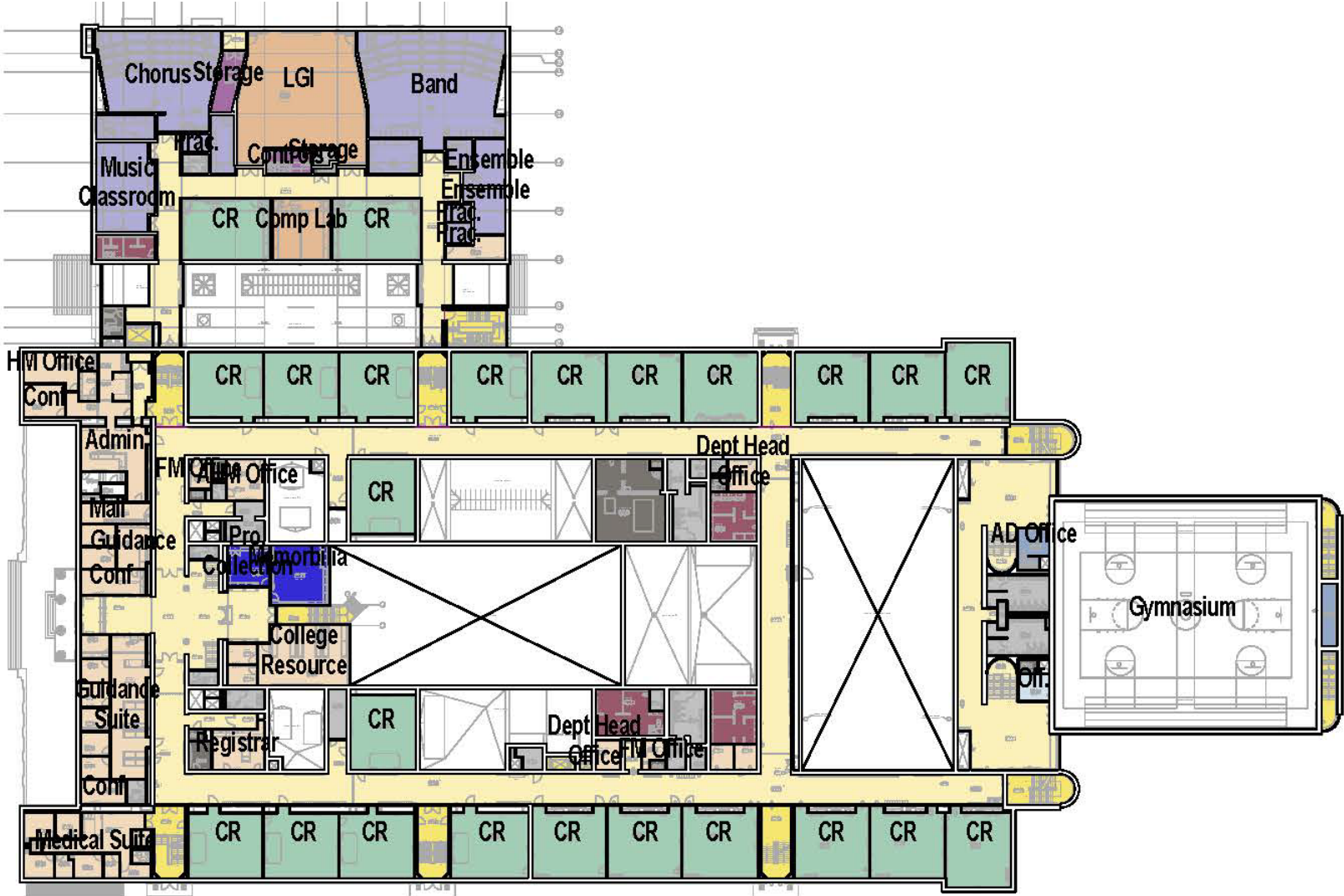
- | | |
|--|------------------------------------|
| ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE | MEDIA CENTER |
| BUILDING EQUIPMENT | OTHER |
| CAFETERIA & CIRCULATION | PHYSICAL EDUCATION & SPORT SUPPORT |
| CLASSROOM & GENERAL EDUCATION SUPPORT | SPECIAL EDUCATION |
| CUSTODIAL / MAINTENANCE / STORAGE | TEACHER PLANNING & SUPPORT |
| HEALTH & FITNESS | VERTICAL CIRCULATION |
| KITCHEN / SERVERY | VOCATIONAL & TECHNOLOGY |



Existing Conditions

PROGRAM PLAN LEGEND

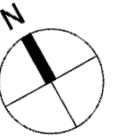
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|--|------------------------------------|
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| BUILDING EQUIPMENT | OTHER |
| CAFETERIA & CIRCULATION | PHYSICAL EDUCATION & SPORT SUPPORT |
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Existing Conditions

PROGRAM PLAN LEGEND

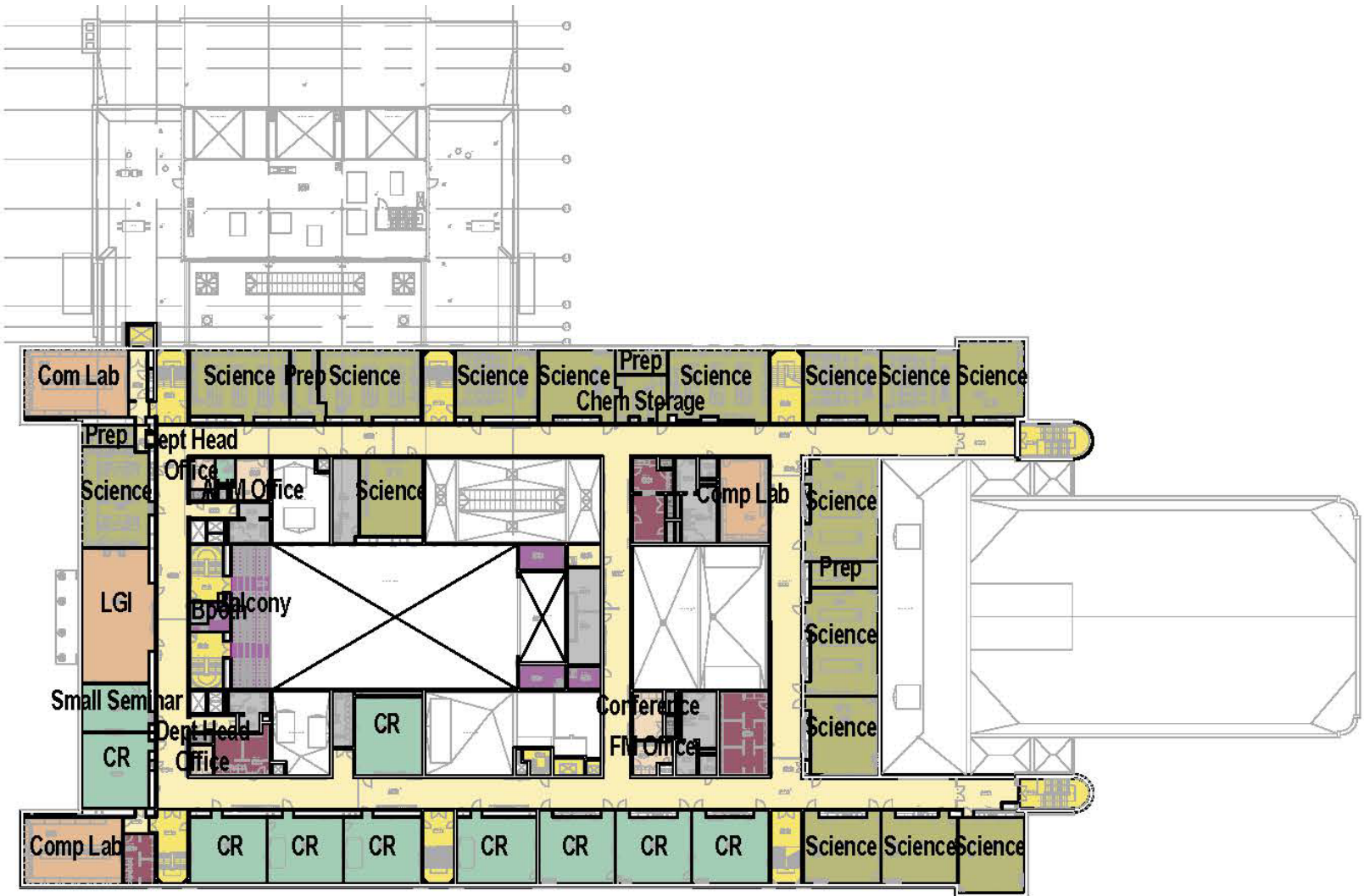
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Existing Conditions

PROGRAM PLAN LEGEND

- | | |
|--|------------------------------------|
| ADMINISTRATION / GUIDANCE / STUDENT SERVICES / NURSE | MEDIA CENTER |
| BUILDING EQUIPMENT | OTHER |
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| KITCHEN / SERVERY | VOCATIONAL & TECHNOLOGY |



MSBA Space Summary

Boston Latin School	Existing Conditions		MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)	
ROOM TYPE	area totals		area totals	Comments
CORE ACADEMIC SPACES	84932		114,090	
SPECIAL EDUCATION	1078		23,160	
ART & MUSIC	12447		9,925	
VOCATIONS & TECHNOLOGY	2585		25,600	
HEALTH & PHYSICAL EDUCATION	26980		29,522	
MEDIA CENTER	10609		14,769	
AUDITORIUM / DRAMA	9147		10,400	
DINING & FOOD SERVICE	15251		17,764	
MEDICAL	666		1,810	
ADMINISTRATION & GUIDANCE	10147		7,766	
CUSTODIAL & MAINTENANCE	6533		3,409	
OTHER	1232		0	
Total Building Net Floor Area (NFA)	181607		258,215	
Proposed Student Capacity / Enrollment			2,379	157
Total Building Gross Floor Area (GFA) ²	336378		373,503	
Grossing factor (GFA/NFA)	2		1.45	

Criteria Evaluation Form

SCHOOL NAME: Boston Latin School

ID#: 350560

HISTORICAL BUILDING NAME: Boston Latin School

SCHOOL ENROLLMENT: 2379

BUILDING ENROLLMENT: 2379

SITE VISIT DATE: 42394

1 | Facility Evaluation Criteria

Physical Analysis:

Major investments in the last 20 years? (> \$5 Mil)

Rating Category

Excellent

Good

Fair

Poor

Failing

YES

NO

COMMENT:

Roof:

- Membrane
- Space on roof for solar

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Façade

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Windows

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Boilers

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Heating Distribution Systems

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Ventilation Distribution Systems

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Electrical Service

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Existing Photovoltaics

YES

NO

COMMENT:

Life Safety:

- Means of Egress
- Fire Protection (sprinklers)
- Fire Alarm

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Security:

- Entry Sequence

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Lighting Quantity/Control

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Toilets & Fixtures

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Plumbing Distribution Systems

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Accessibility

NEEDS

Minor

Moderate

Major

Replace

N/A

YES

NO

COMMENT:

Structural System:

Signs of Deterioration:

- Roof
- Floor
- Walls/Columns
- Foundations
- Façade

YES

NO

COMMENT:

YES

NO

COMMENT:

YES

NO

COMMENT:

YES

NO

COMMENT:

YES

NO

COMMENT:

Is the lateral system identifiable?

YES

NO

COMMENT:

Overall Building Condition

Excellent

Good

Fair

Poor

Failing

Community:

Mass Historical Commission Status:

- Inventory of Historic Assets
- State Register of Historic Places

Listed

Not Listed

COMMENT:

Listed

Not Listed

COMMENT:

Emergency Shelter

YES

NO

COMMENT:

Community Use Spaces

YES

NO

COMMENT:

Community Building Rating

Excellent

Good

Fair

Poor

Failing

Building suitability for school use?

YES

NO

COMMENT:

SCHOOL NAME: Boston Latin School

ID#: 350560

HISTORICAL SCHOOL NAME: Boston Latin School

SITE VISIT DATE: 42394

2 | Site Evaluation Criteria

Physical Analysis:

Is the site susceptible to climate change?

YES

NO

BY 2100

YES

NO

Major investments in the last 10 years? (> \$5 Mil)

YES

NO

COMMENT:

Is the building expandable on current site?

YES

NO

COMMENT:

Is the site expandable?

YES

NO

COMMENT:

Parking Quality

NEEDS BY 2050

Minor

Moderate

Major

Replace

N/A

Neighborhood Streets

NEEDS

Minor

Moderate

Major

Replace

N/A

Drop Off/Pick Up Routes

NEEDS

Minor

Moderate

Major

Replace

N/A

Walkways/Curbs/Sidewalks

NEEDS

Minor

Moderate

Major

Replace

N/A

MAAB/ADA Accessibility

NEEDS

Minor

Moderate

Major

Replace

N/A

Site Lighting

NEEDS

Minor

Moderate

Major

Replace

N/A

Fencing

NEEDS

Minor

Moderate

Major

Replace

N/A

Drainage

NEEDS

Minor

Moderate

Major

Replace

N/A

Play areas

NEEDS

Minor

Moderate

Major

Replace

N/A

Walls/Slopes

NEEDS

Minor

Moderate

Major

Replace

N/A

Overall Site Condition

Excellent

Good

Fair

Poor

Failing

Community:

Mass Historical Commission Status

Listed

Not Listed

- Inventory of Archeological Assets

YES

NO

COMMENT:

Accessible to Mass Transit?

YES

NO

COMMENT:

Bikable?

YES

NO

COMMENT:

Walkable?

YES

NO

COMMENT:

Community Site Rating

Excellent

Good

Fair

Poor

Failing

Site suitability for school use?

YES

NO

COMMENT:



21st Century Teaching & Learning



The 6 Rs

Reading	Rigor
Writing	Relevance
Arithmetic	Relationship

The 4 Cs

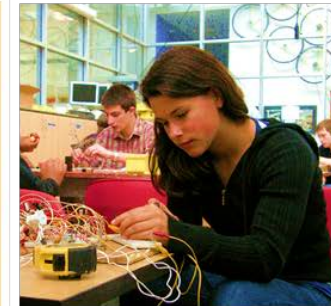
- Critical Thinking
- Communication
- Collaboration
- Creativity

plus Citizenship

Head & Hand

Growth Mindset

- Student-Centered
- Interdisciplinary
- Technology-Infused
- Community Connected
- Problem- and Project-Based
- Process and Product Oriented



21st Century BPS System Wide Vision



- Equity
- Coherence
- Rigorous Curriculum

21st Century Spaces for Learning



- Changing Demographics
- School Organization
- Improved Science and Technology Spaces
- Incorporate Teacher Collaboration Areas
- 21st Century Teaching and Learning Methodologies
- Differentiated and Personalized Learning

School Environments

- Required
 - Learning Environments types and sized (using MSBA criteria)
 - Enrichment Spaces
 - Support Spaces
- Strongly Recommended
 - Spaces and appointments that support: PBL; Differentiated and Personalized Learning; other delivery models
- Nice to Have
 - Maker Spaces

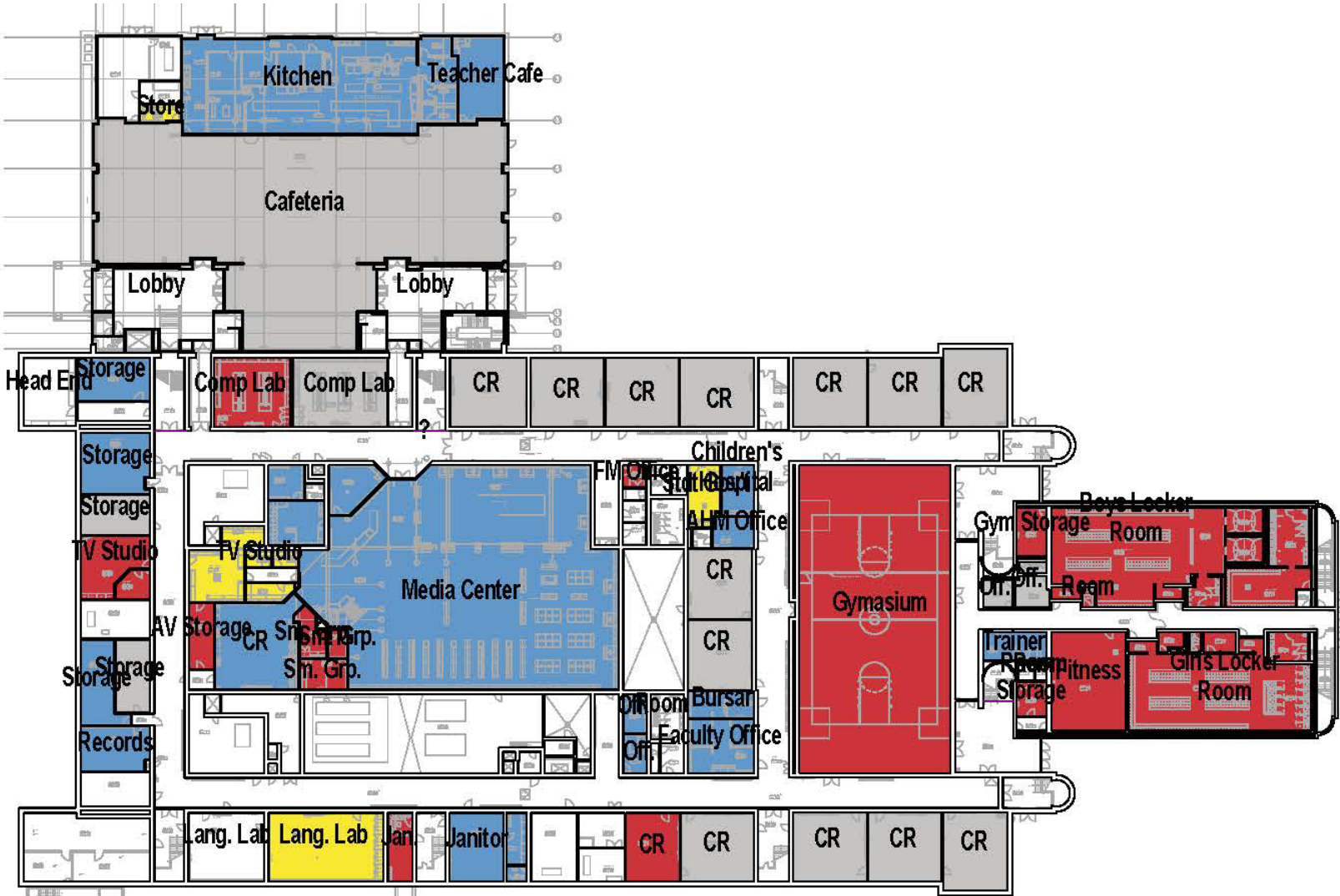
PLAN
DEFICIENCIES

Ground Floor

Existing Conditions

MSBA DEFICIENCY PLAN

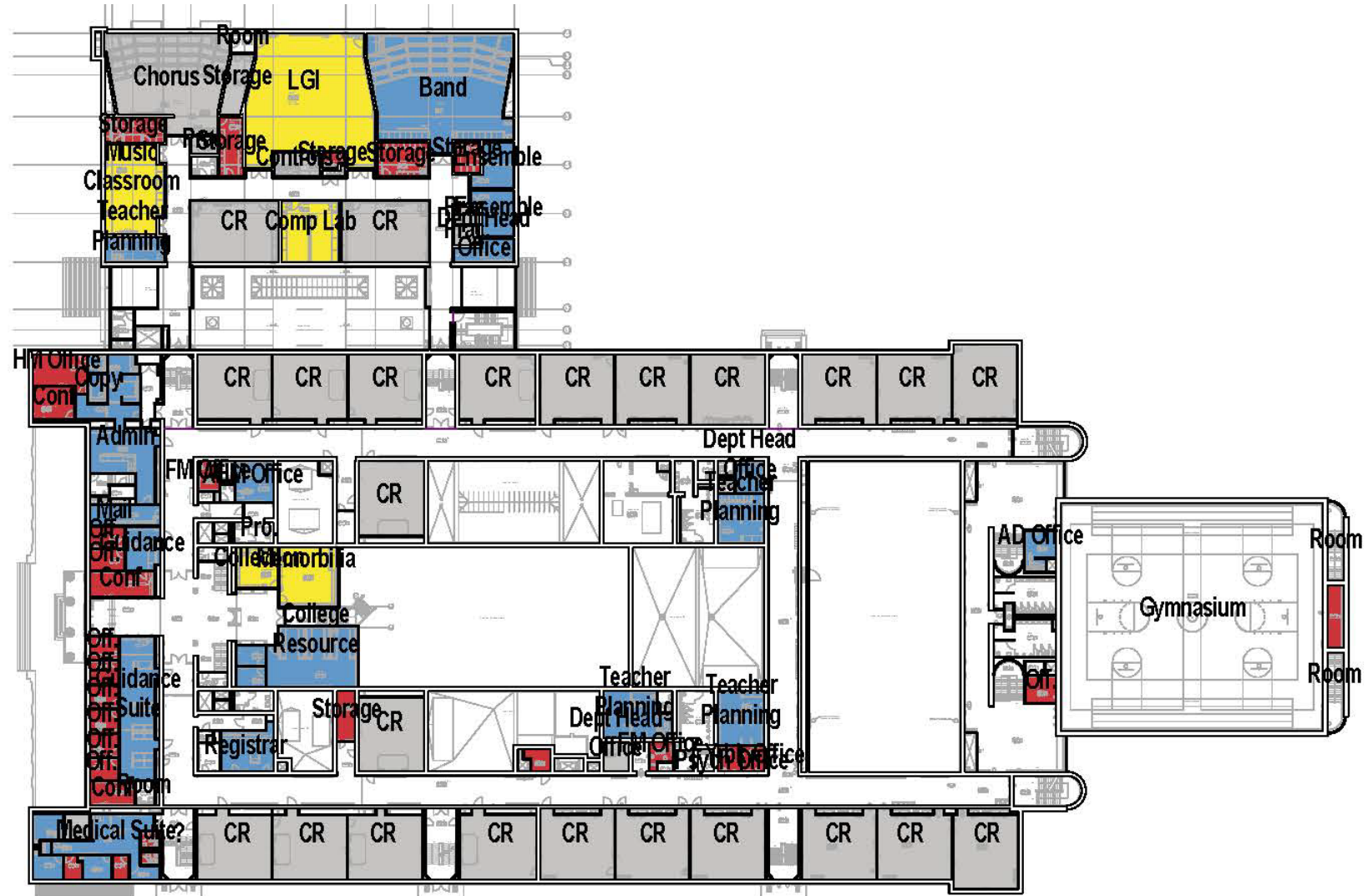
- NOT INCLUDED IN A TYPICAL MSBA PROJECT
- NSF 10% GREATER THAN MSBA GUIDELINES
- NSF 20% OR MORE LESS THAN MSBA GUIDELINES
- NSF MEETS MSBA GUIDELINES (-20% TO +10%)



First Floor

MSBA DEFICIENCY PLAN

- NOT INCLUDED IN A TYPICAL MSBA PROJECT
 NSF 10% GREATER THAN MSBA GUIDELINES
 NSF 20% OR MORE LESS THAN MSBA GUIDELINES
 NSF MEETS MSBA GUIDELINES (-20% TO +10%)

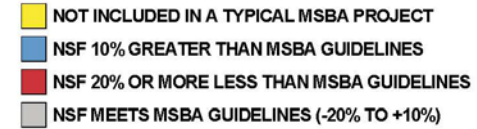


Existing Conditions

NOT INCLUDED IN A TYPICAL MSBA PROJECT
 NSF 10% GREATER THAN MSBA GUIDELINES
 NSF 20% OR MORE LESS THAN MSBA GUIDELINES
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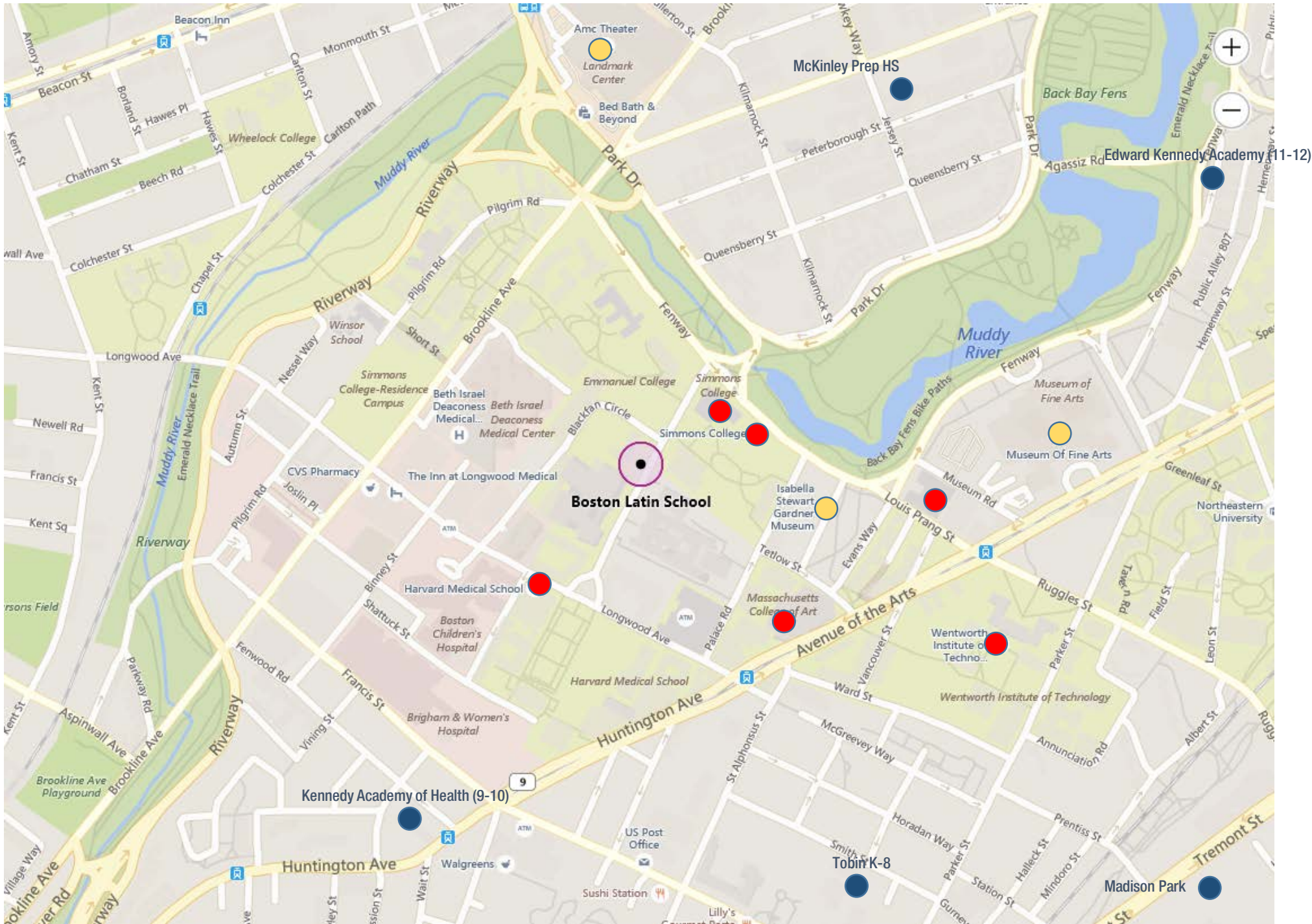
Existing Conditions



DISTRICT

Boston Latin School

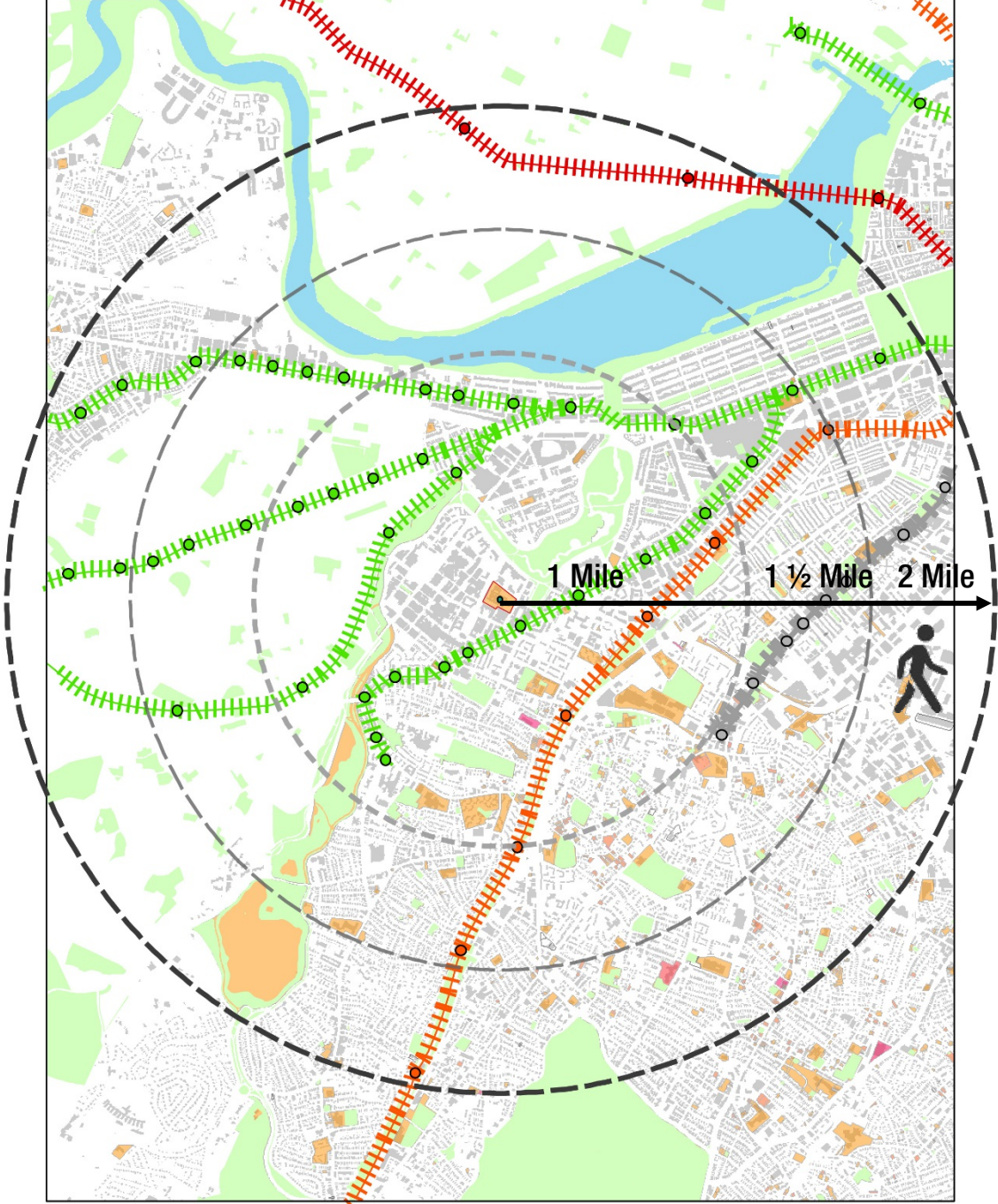
78 Avenue Louis Pasteur



NEIGHBORHOOD

Boston Latin School

78 Avenue Louis Pasteur



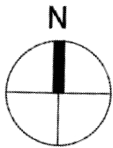
City Owned Parcels

Busing Policy Key

- >2mi High School T-Pass
- >1 1/2 mi 6th Grade & Below
- >K-8 up to 8th Grade
- >1mi Grades K-5

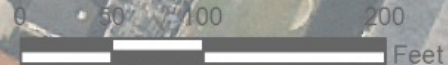
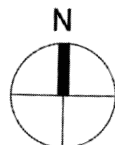
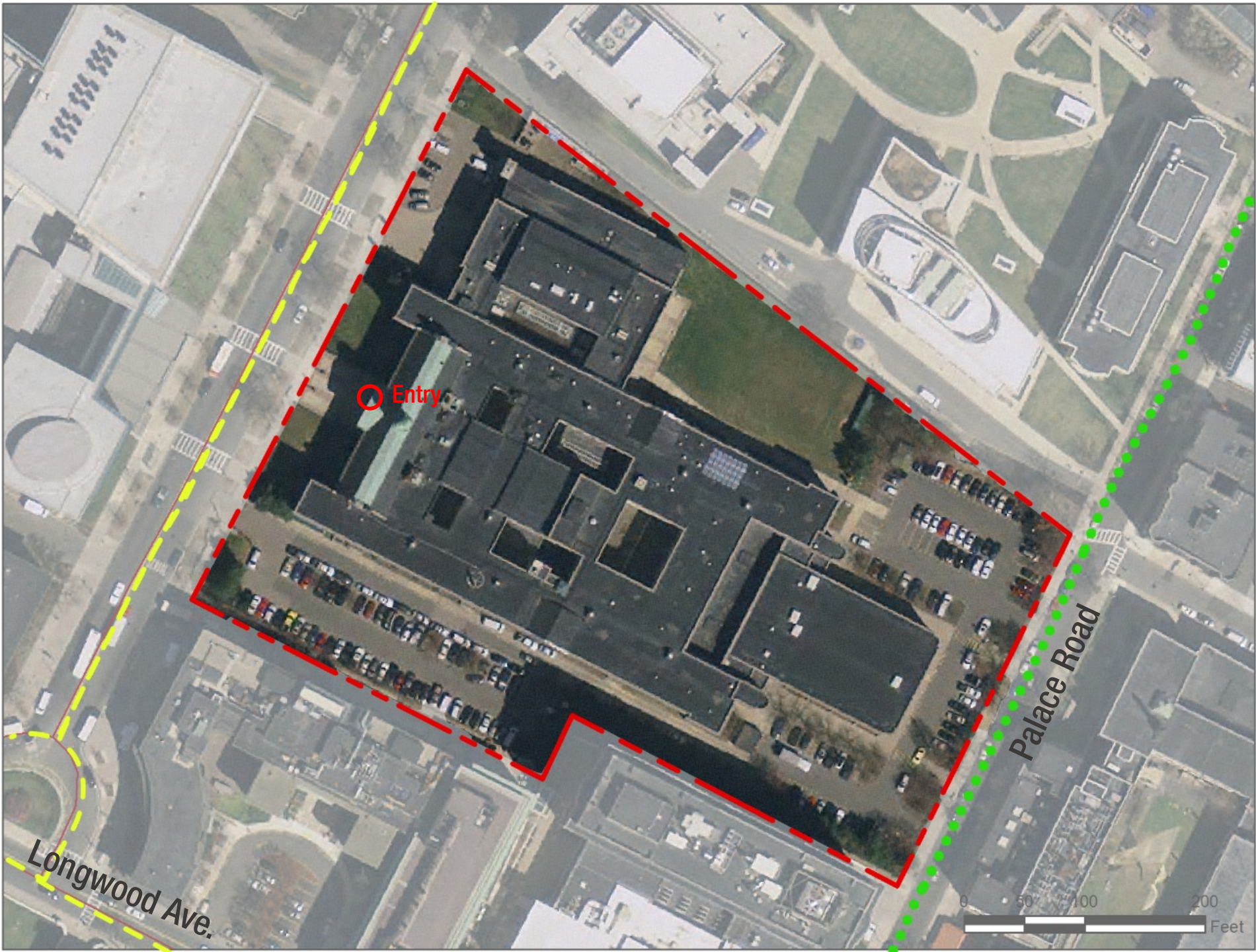
Transportation

- T Stops
- Bike Routes



SITE PLAN

Boston Latin School
78 Avenue Louis Pasteur



HIGH
SCHOOL

High Schools

Pilot

Exam

CTE/Vocational

Academy

STEM

City Wide

Charter

Innovation

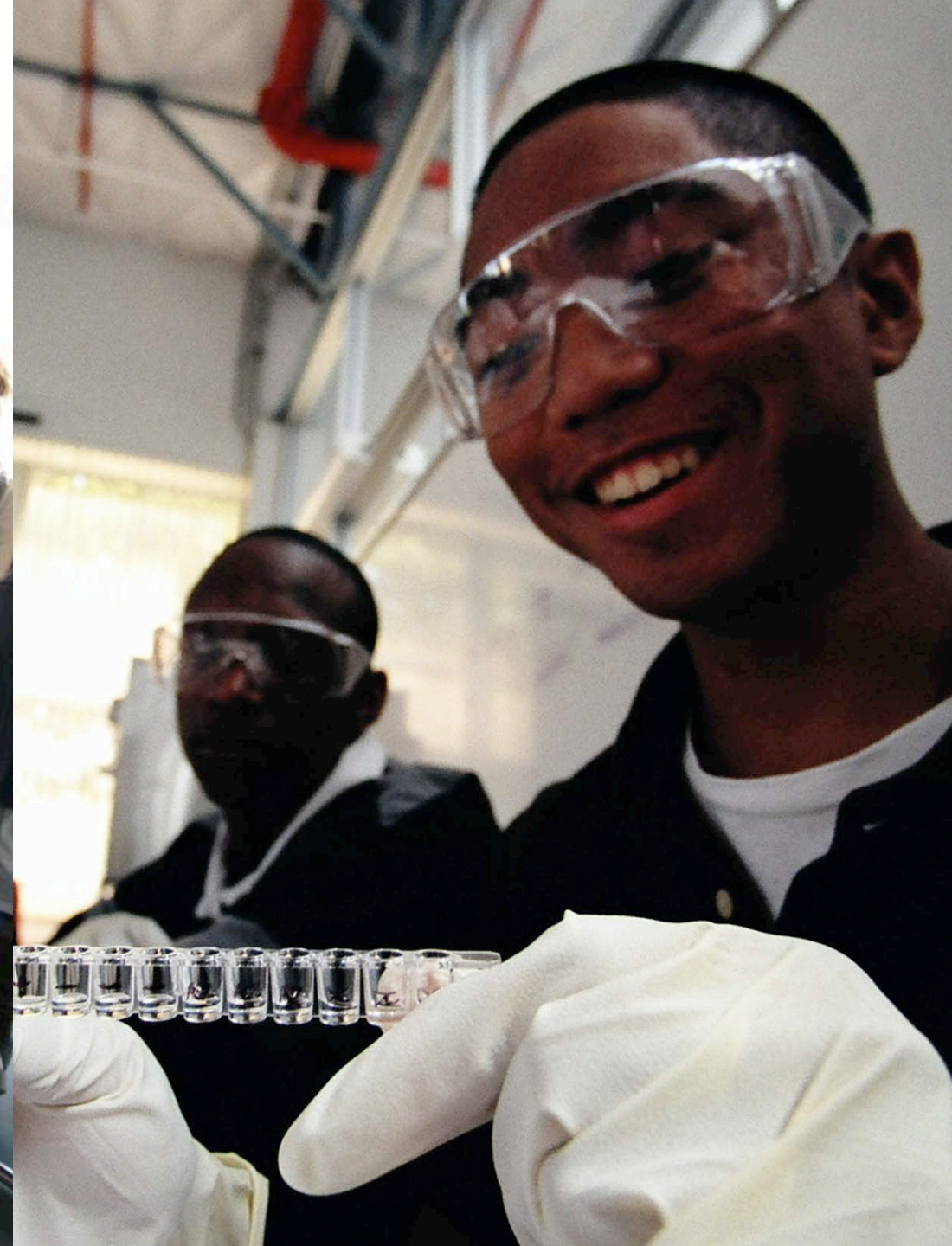
Inclusion

Academy

Magnet

HIGH
SCHOOL

Personalized



HIGH SCHOOL

900 – 950 square feet
Flexible furniture and environment
Capable of 1:1 Technology environment
Student Centric

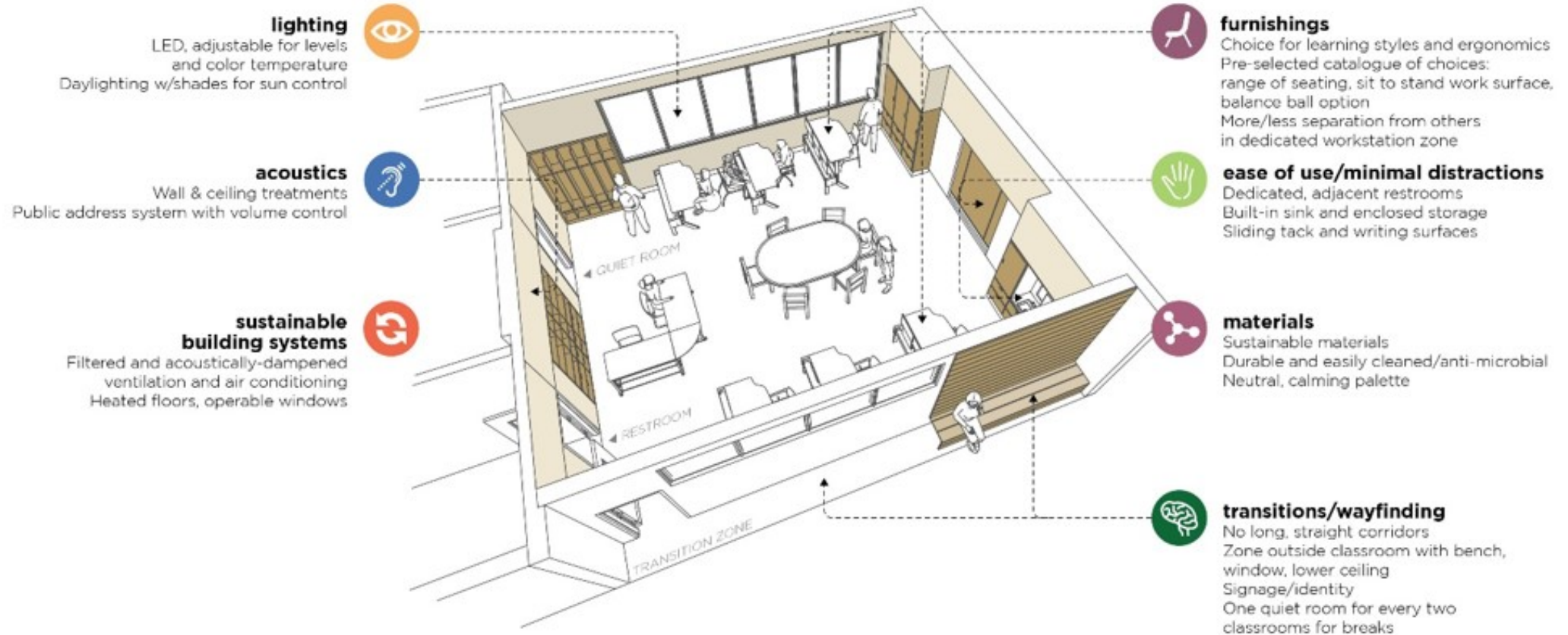


HIGH SCHOOL

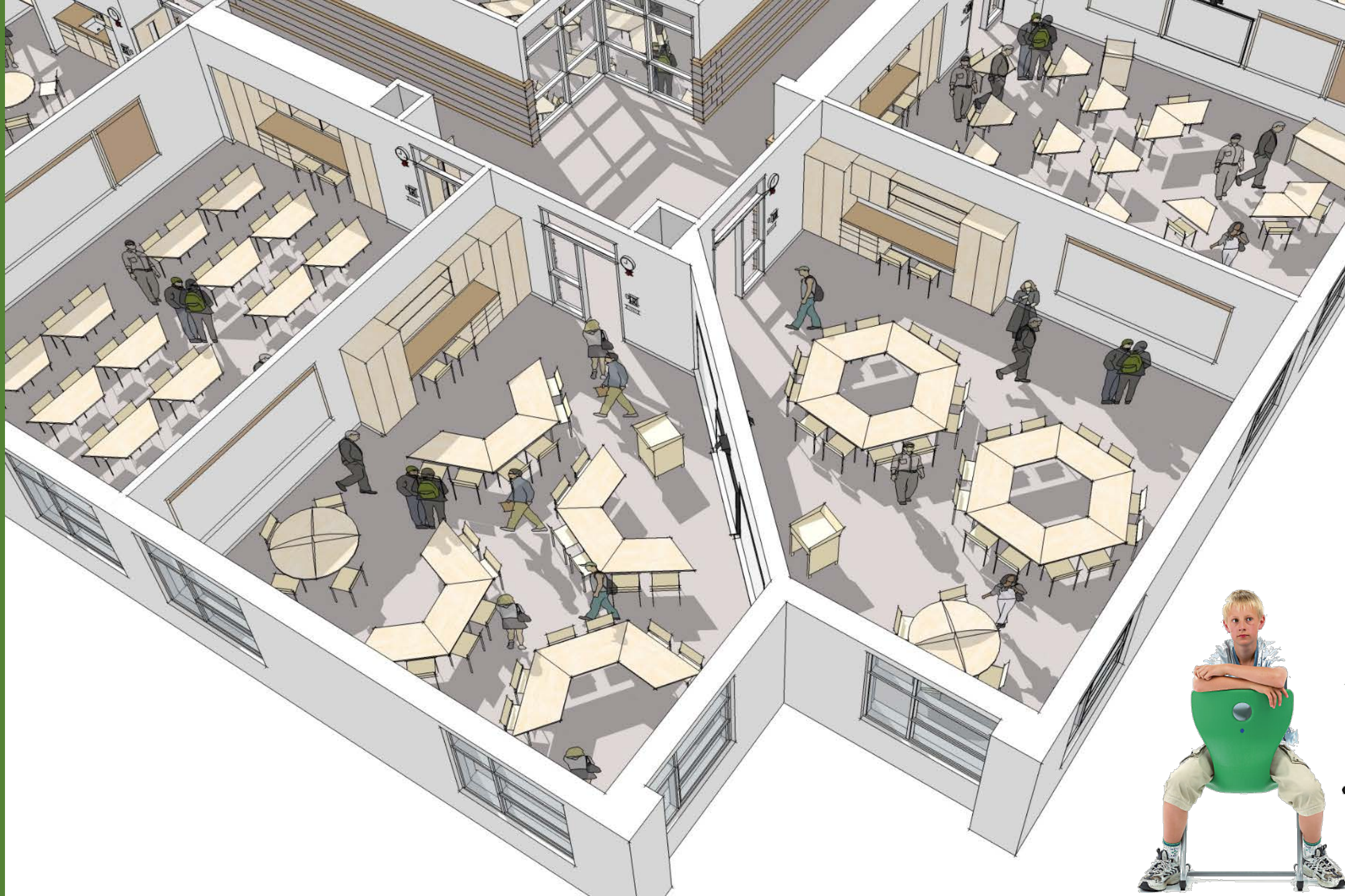
900 – 950 square feet
Flexible furniture and environment
Capable of 1:1 Technology environment
Student Centric



HIGH SCHOOL



HIGH SCHOOL



HIGH
SCHOOL

Informal Gathering



HIGH
SCHOOL

Science:

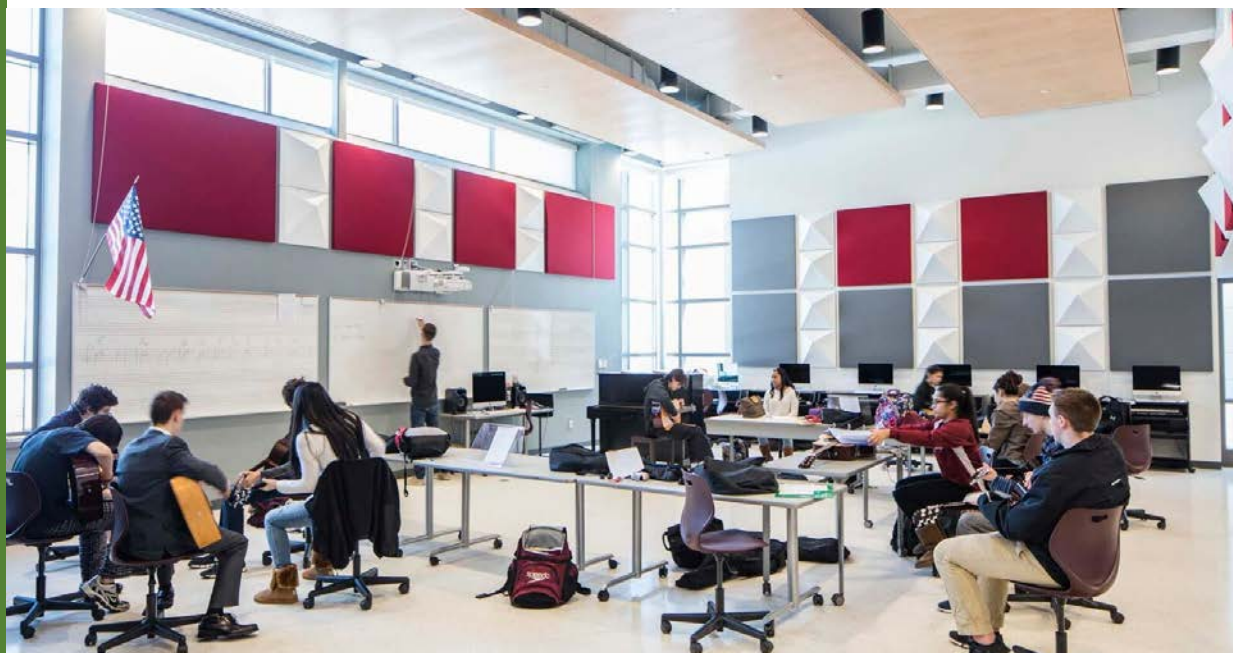


HIGH
SCHOOL



Enrichment: Music

1,500 SF
Acoustically isolated
Acoustically appropriate



HIGH
SCHOOL

Enrichment: Art

1,200 SF
Multipurpose
Appropriately daylit



HIGH
SCHOOL

Transparency: Hands on Engaging Programs



HIGH
SCHOOL

Special Education Life Skill



HIGH
SCHOOL

Student Dining / Cafeteria / Student Commons



HIGH
SCHOOL

Student Dining / Cafeteria / Student Commons



HIGH
SCHOOL

Student Dining / Servery

Healthy and Inviting Options

HIGH
SCHOOL

Media Center / Learning Commons



HIGH
SCHOOL

Media Center / Learning Commons



HIGH
SCHOOL

Auditorium / Theater

50% of student population or 750
max

Multipurpose:

Drama, Band, Choral & Orchestral



HIGH
SCHOOL

Black Box Theater



HIGH
SCHOOL

Lecture Hall



HIGH
SCHOOL

Gymnasium:

12,000 – 18,000 SF
Multipurpose
Appropriately daylit



HIGH
SCHOOL

Gymnasium: Climbing Wall

HIGH
SCHOOL

Alternative PE:



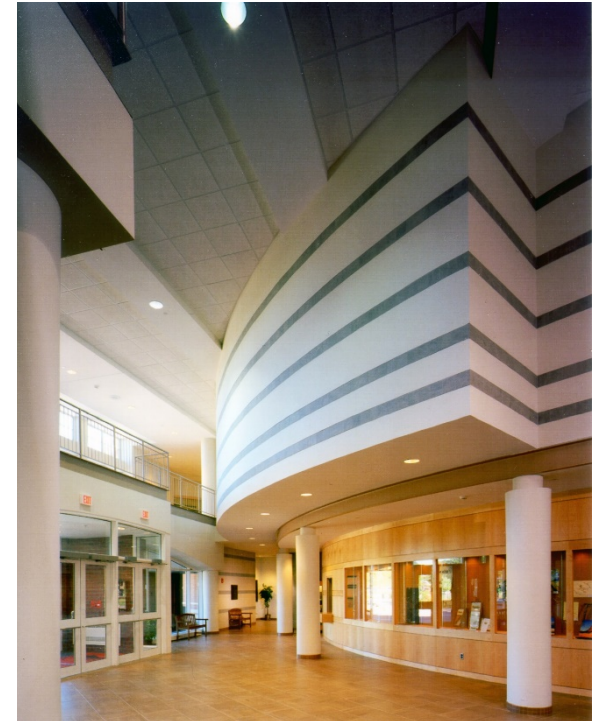
HIGH
SCHOOL

Teacher Planning / Collaboration



HIGH
SCHOOL

Secure Welcoming Entry / Administration



HIGH
SCHOOL

Sustainability



HIGH
SCHOOL

Sustainability



HIGH SCHOOL



Next Steps





Thank You