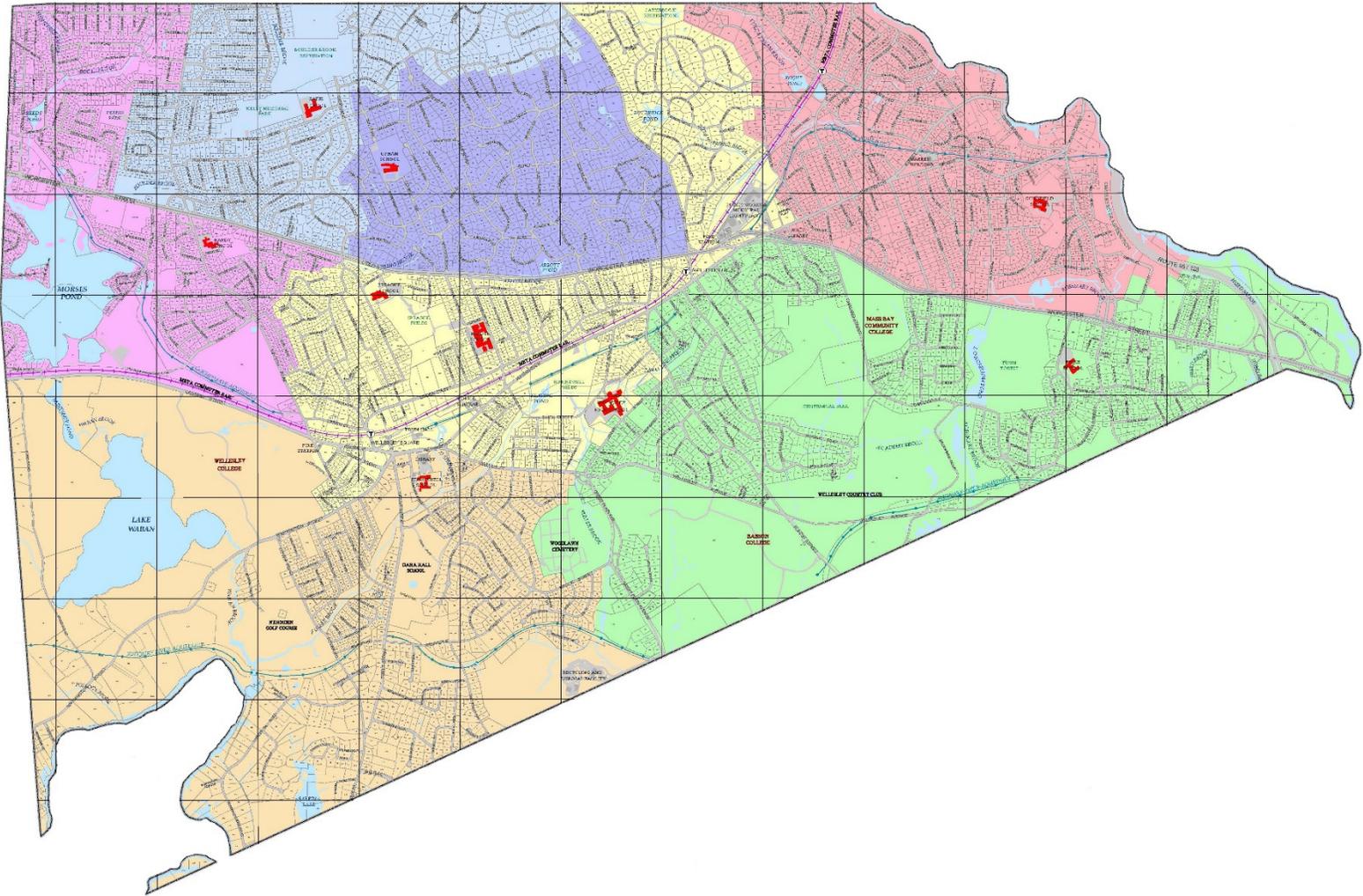


# Hardy, Hunnewell & Upham Elementary Schools

School Facilities Committee

# AGENDA

- General
  - Cropper Report
  - District Map/Overview
- Program and Educational
  - Deficiencies and Goals
- Plan & Site Constraints
  - Hardy School
  - Upham School
  - Hunnewell School
- Existing Conditions
  - Issues and Concerns
- Benchmarking
  - Test Fit Plans
  - Building Plans
  - Building Tours
- Master Planning
  - Visioning and Program Process
  - SPED Programs
  - Options Development
- Next Steps and Schedule



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## District Map

SMMA

# PROGRAM DEFICIENCIES

- Shared stages
- Most SPED spaces have no access to natural light  
many undersized, OT/PT spaces
- Multi-purpose spaces serves as cafeteria,  
gymnasium, and auditorium
- Undersized classrooms, SPED, art, music, media  
center, nursing suite, administration
- Lack of proper kitchen prevents the possibility of  
food prep in the future
- Undersized shared Teacher work rooms and lunch  
rooms

## EDUCATIONAL GOALS

- Influences on building size, building shape, space type, and content
  - Learning Communities
  - Breakout Spaces
  - Large Group Instruction
  - Learning Outside of the Classroom

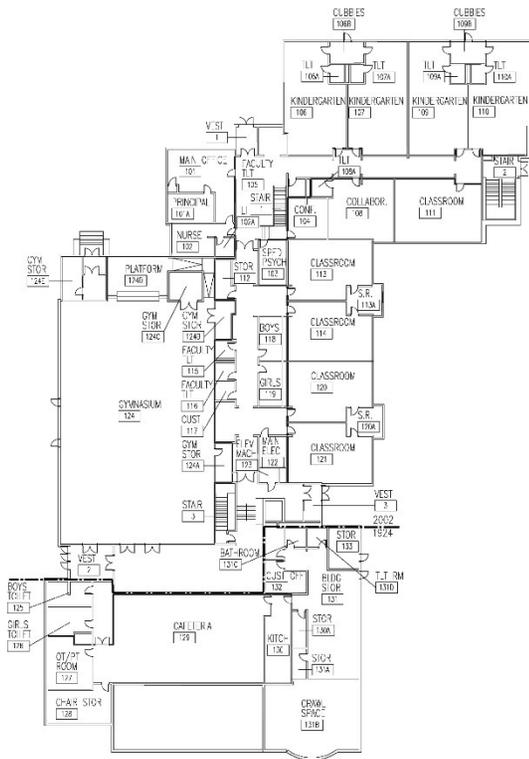


# EDUCATIONAL GOALS

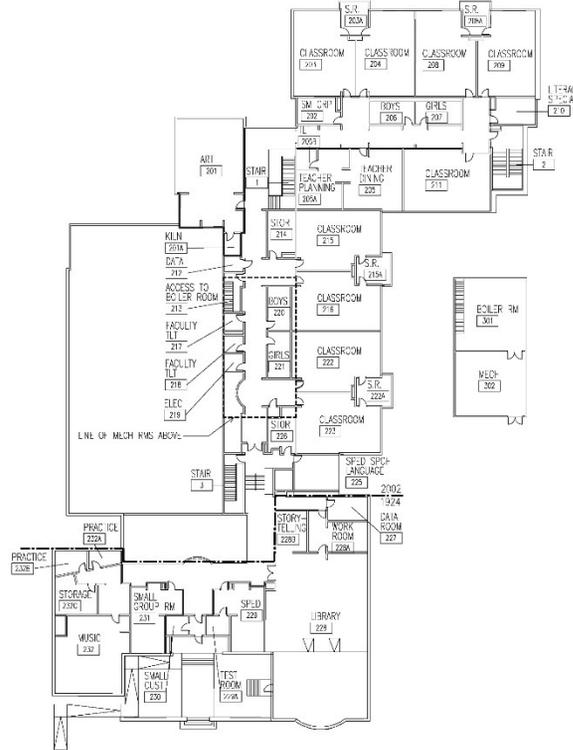
- Teaching Methodology
  - Understanding Learning Styles
  - Student-to-Student
  - Teacher as Facilitator
  - Project-based Learning (Controlled Open Plan)
  - Association and Alignment with College Educational Department



# SPRAGUE ELEMENTARY SCHOOL FLOOR PLAN



First Floor



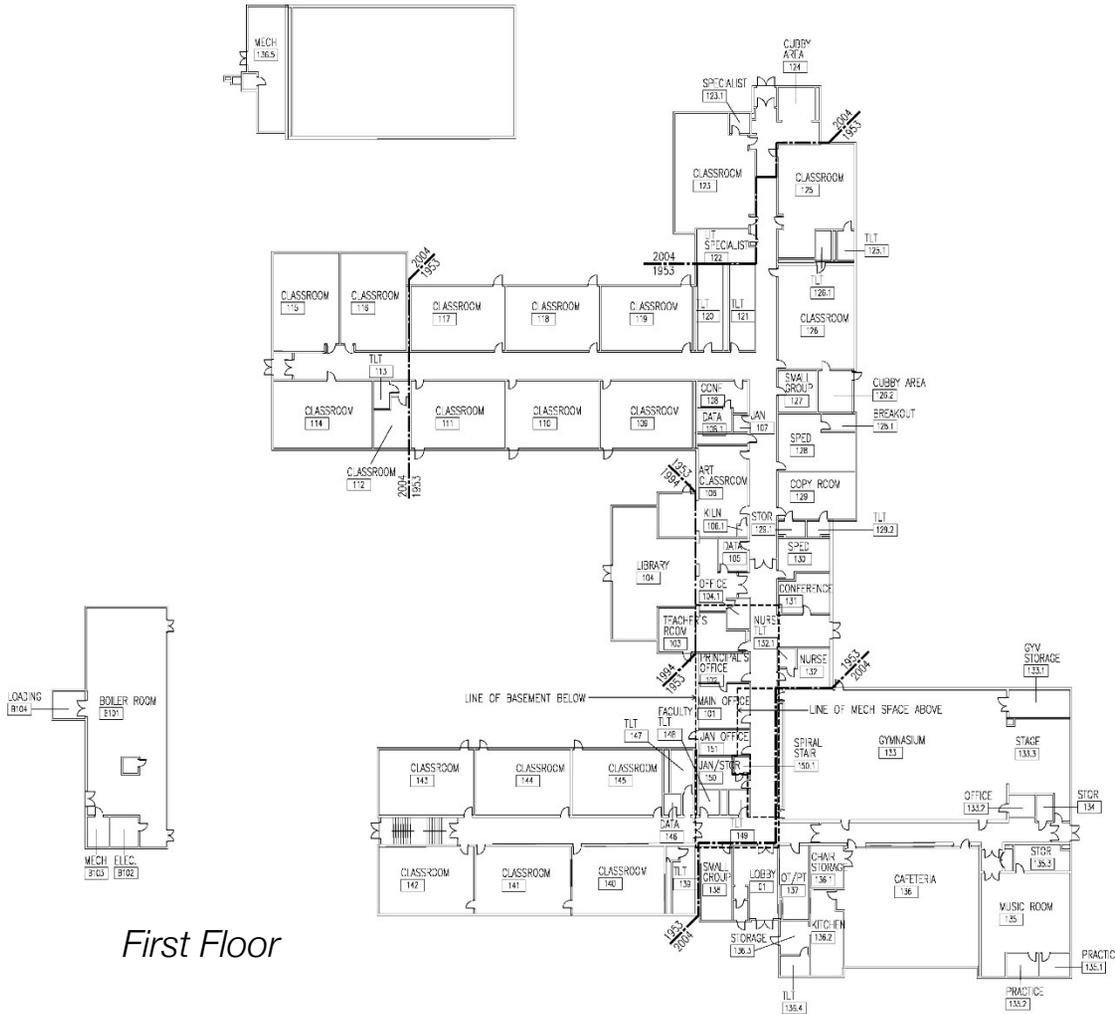
Second Floor

**Existing Building: 68,188 GSF**

**Population: 399 Students**

**Square foot per pupil: 170**

# BATES ELEMENTARY SCHOOL FLOOR PLAN



First Floor

Existing Building: 52,657

Population: 395 Students

Square foot per pupil: 133

# EXISTING POPULATIONS

	2013-2014 Population	Existing GSF (including Modulars)	MSBA GSF (with Current Enrollment)	Capacity without Modulars	2021-2022 Projected Enrollment	MSBA GSF New Construction	SF/Student for 2021-2022 Build-out
<b>Hardy</b>	<b>306</b>	<b>45,909</b> (2 K, 11 CR, 4 Mods)	<b>54,866</b>	<b>294</b>	<b>269</b>	<b>48,420</b> (2 K, 10 CR)	<b>180</b>
<b>Hunnewell</b>	<b>299</b>	<b>44,943</b> (1 K, 12 CR, 2 Mods)	<b>53,820</b>	<b>300</b>	<b>265</b>	<b>47,700</b> (2 K, 10 CR)	<b>180</b>
<b>Upham</b>	<b>243</b>	<b>36,012</b> (3 K, 8 CR, 2 Mods)	<b>43,740</b>	<b>244</b>	<b>242</b>	<b>43,560</b> (2 K, 9 CR)	<b>180</b>
<b>2 Schools Combined (Hardy &amp; Upham)</b>					<b>511</b>	<b>79,401</b> (4 K, 19 CR)	<b>155</b>
<b>3 Schools Combined</b>					<b>776</b>	<b>112,520</b> (6 K, 28 CR)	<b>145</b>
<b>Total for District</b>	<b>2,341</b>				<b>2,098</b>		
<b>Bates, Sprague, &amp; Fiske Capacity</b>	<b>1,493</b> Fiske 266 Schofield 370 Bates 395 Sprague 399			<b>1,430</b> Fiske 318, Schofield 318, Bates 395, Sprague 399	<b>688</b>	<b>97,150</b> (5 K, 24 CR)	<b>145</b>

School Facilities Committee  
*Current Capacities and Projected Enrollments*

SMMA

# PROGRAM POPULATION

School	2013/14	2021/22	“Redistrict” (Fiske and Schofield population divided equally)
Fiske	334	266	318
Schofield	365	370	318
Sprague	399	331	399
Bates	395	355	395
	1493	1322	1430
<b>Total District</b>	<b>2341</b>		

# CHART OF OPTIONS

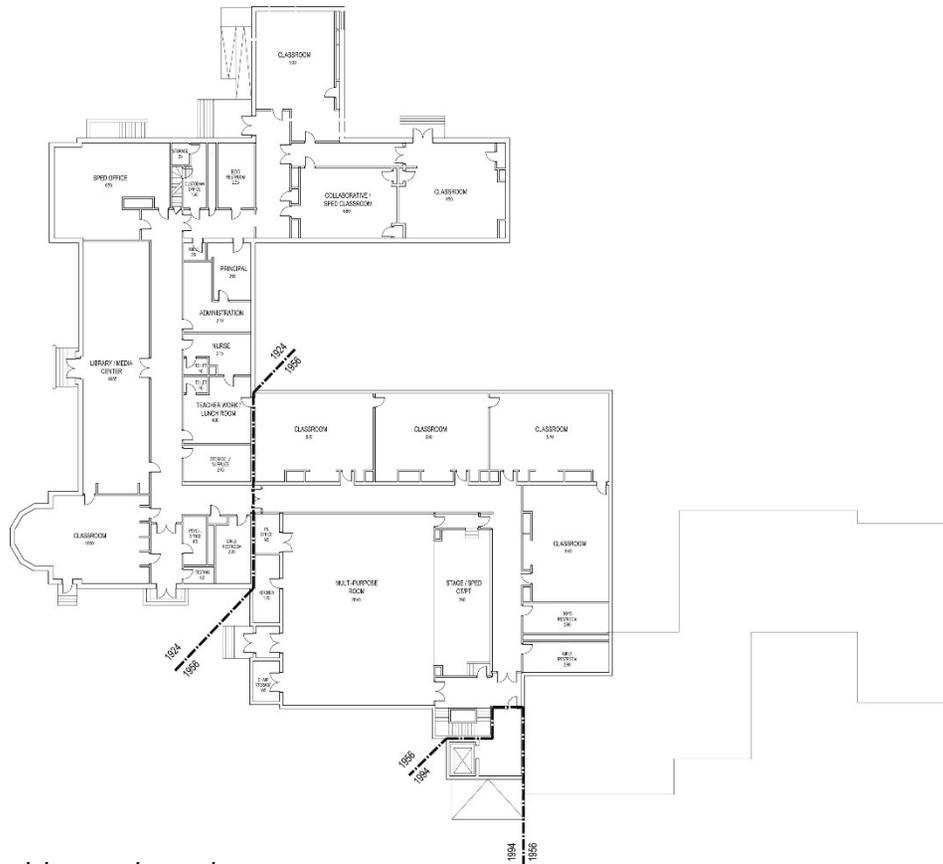
Combined Capacity	Hardy Elementary	Hunnewell Elementary	Upham Elementary
668 - 800	Renovation & Addition	Renovation & Addition	Renovation & Addition
668 - 800	Renovation & Addition	New School	Close
668 - 800	New School	Renovation & Addition	Close
668 - 800	Close	Renovation & Addition	New School
668 - 800	Renovation & Addition	Close	Renovation & Addition
668 - 800	New School	Renovation & Addition	New School
668 - 800	Close	New School	Close
668 - 800	Renovation & Addition	Renovation & Addition	New School
668 - 800	New School	New School	Close
668 - 800	Close	Close	Renovation & Addition

Hardy School

# PROGRAM DEFICIENCIES

- Shared art/music classroom
- Multi-purpose space serves as cafeteria, gymnasium, and auditorium
- Shared stage/OT/PT
- Undersized shared teacher workroom and lunch room
- Undersized media center, administration, SPED, nursing suite
- Four portable classrooms, two of which are undersized
- Lack of proper kitchen prevents the possibility of food prep in the future

# HARDY ELEMENTARY SCHOOL FLOOR PLAN



*Upper Level*

## Existing Classroom Areas

Kindergarten: 1100-1200 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 45,909 GSF

Including 4 modular classrooms

## Current Enrollment

306 Students

## Estimated Capacity

390 Students w/ Modulares

294 Students w/o Modulares

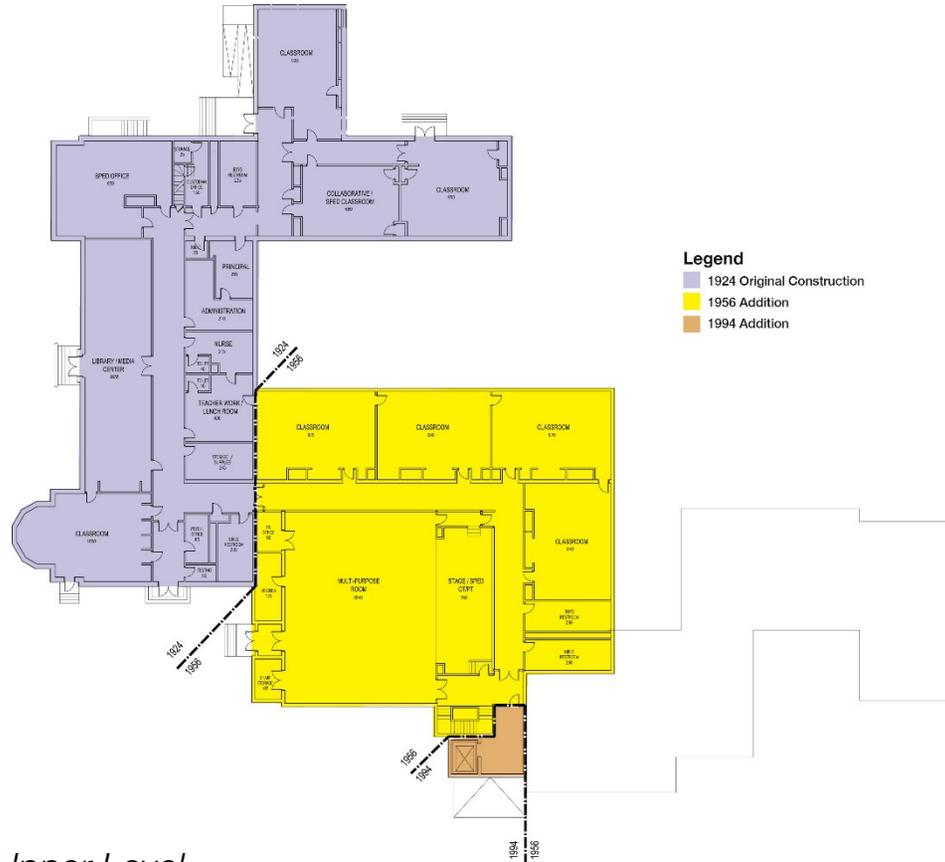
Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5



# HARDY ELEMENTARY SCHOOL "HISTORY" PLAN



Upper Level

## Existing Classroom Areas

Kindergarten: 1100-1200 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

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## Existing Building: 45,909 GSF

Including 4 modular classrooms

## Current Enrollment

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## Estimated Capacity

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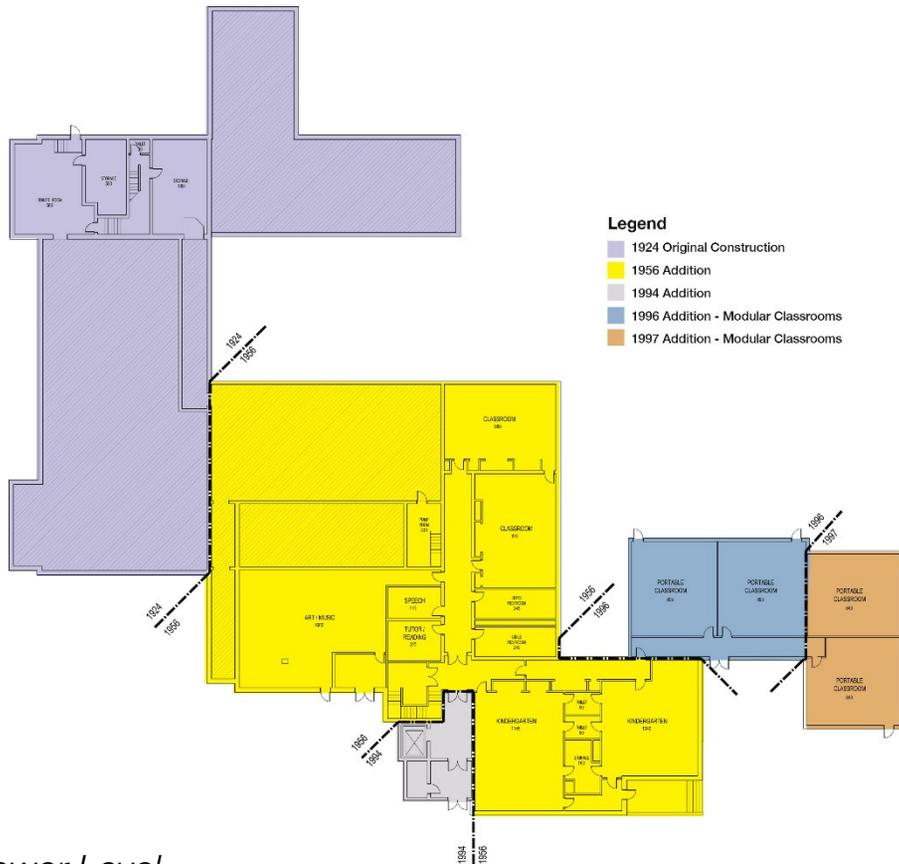
294 Students w/o Modulars

Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5

# HARDY ELEMENTARY SCHOOL “HISTORY” PLAN



Lower Level

## Existing Classroom Areas

Kindergarten: 1100-1200 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 45,909 GSF

Including 4 modular classrooms

## Current Enrollment

306 Students

## Estimated Capacity

390 Students w/ Modulars

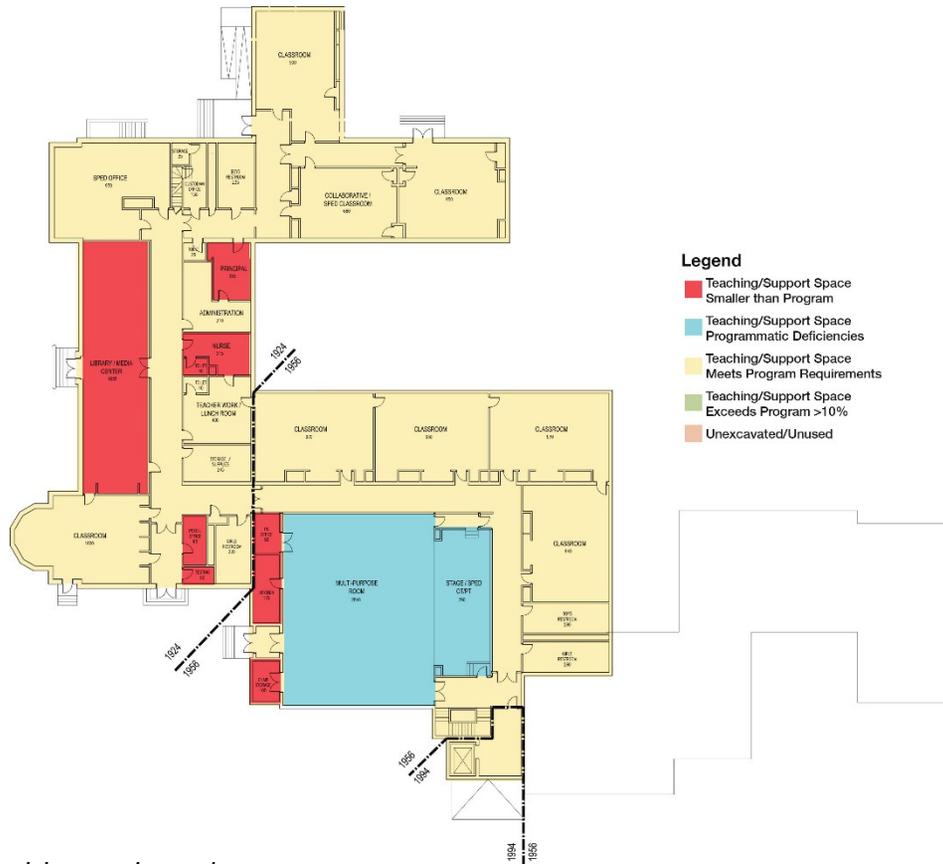
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Assumes 24 Students/Class Grades 3-5

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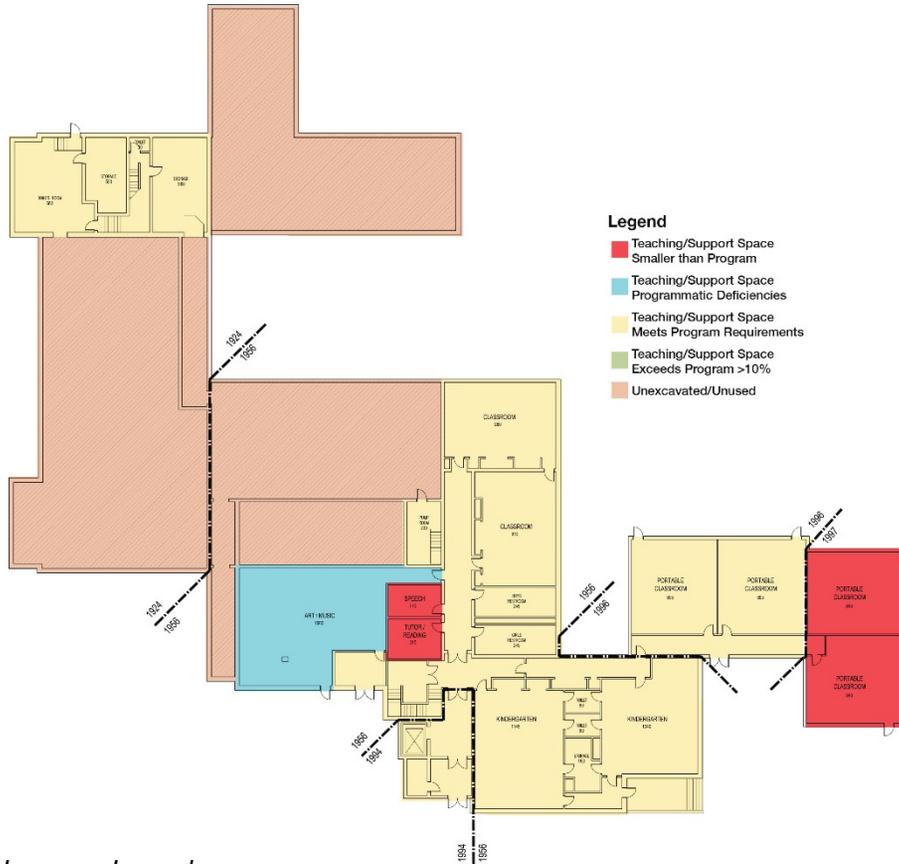
294 Students w/o Modulares

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# HARDY ELEMENTARY SCHOOL DEFICIENCIES PLAN



Lower Level

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Assumes 24 Students/Class Grades 3-5

# HARDY SCHOOL EXISTING SITE



# HARDY SCHOOL EXISTING SITE



# HARDY SCHOOL EXISTING SITE

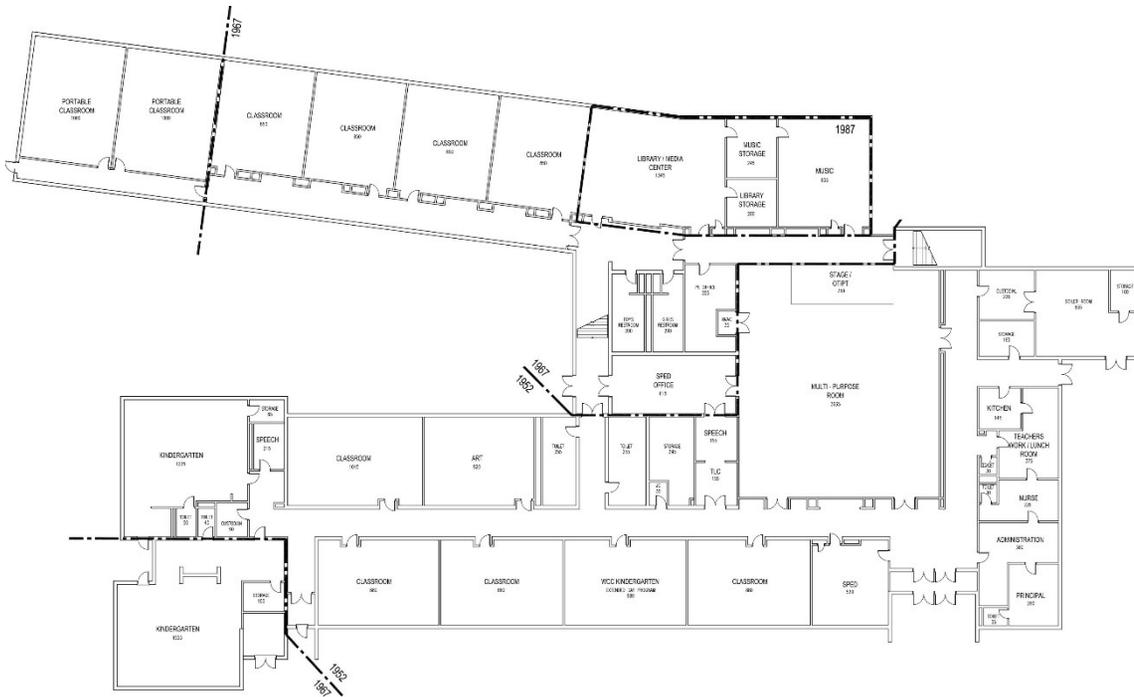


## Discussion Points

- Water Protection Zone
- Morses Pond: Water Supply
  - Protection District Requiring SPGA (Special Permit Granting Authority)
- Grade Change
- Building Layout
- Traffic Safety
- Play Space

Upham School

# UPHAM ELEMENTARY SCHOOL FLOOR PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 850-1700 SF

Grades 1-5: 850-1000 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 36,012 GSF

Including 2 modular classrooms

## Current Enrollment

243 Students

## Estimated Capacity

292 Students w/ Modulars

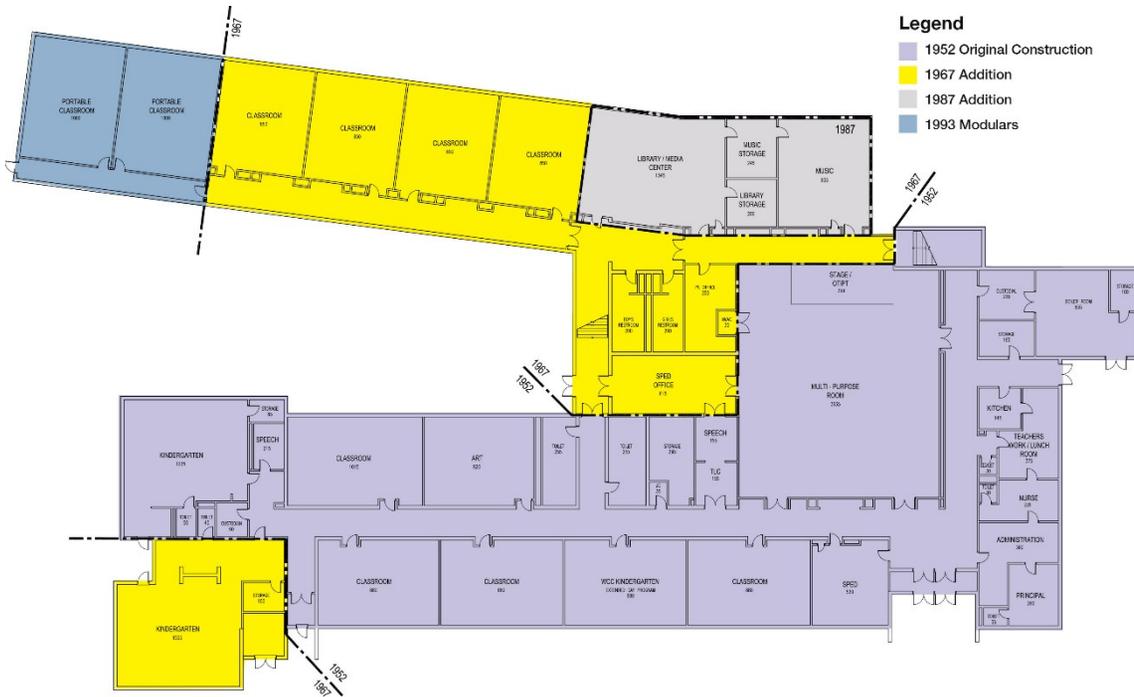
244 Students w/o Modulars

Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5

# UPHAM ELEMENTARY SCHOOL "HISTORY" PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 850-1700 SF

Grades 1-5: 850-1000 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 36,012 GSF

Including 2 modular classrooms

## Current Enrollment

243 Students

## Estimated Capacity

292 Students w/ Modulares

244 Students w/o Modulares

Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5

# UPHAM ELEMENTARY SCHOOL DEFICIENCIES PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 850-1700 SF

Grades 1-5: 850-1000 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 36,012 GSF

Including 2 modular classrooms

## Current Enrollment

243 Students

## Estimated Capacity

292 Students w/ Modulars

244 Students w/o Modulars

Assumes 20 Students/Class Kindergarten

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Assumes 24 Students/Class Grades 3-5

# UPHAM SCHOOL EXISTING SITE



# UPHAM SCHOOL EXISTING SITE

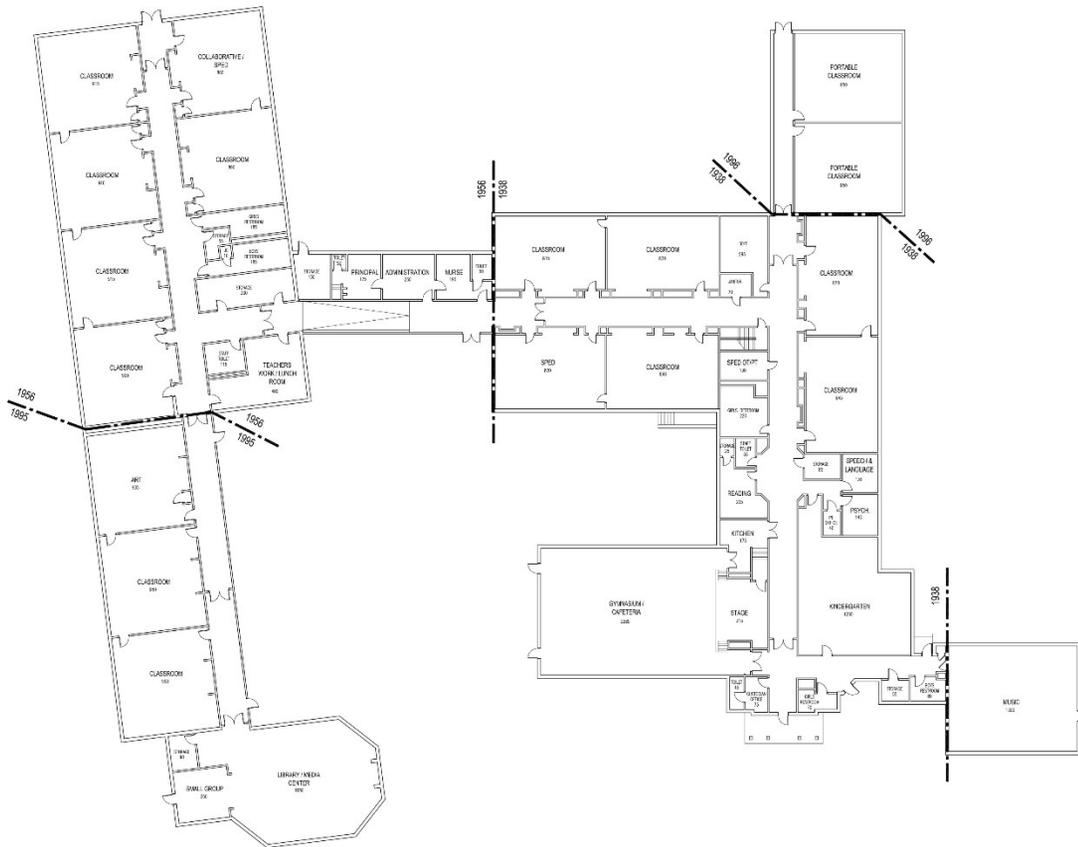


# UPHAM SCHOOL EXISTING SITE



Hunnewell School

# HUNNEWELL ELEMENTARY SCHOOL FLOOR PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 1250 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 44,943 GSF

Including 2 modular classrooms

## Current Enrollment

299 Students

## Estimated Capacity

348 Students w/ Modulars

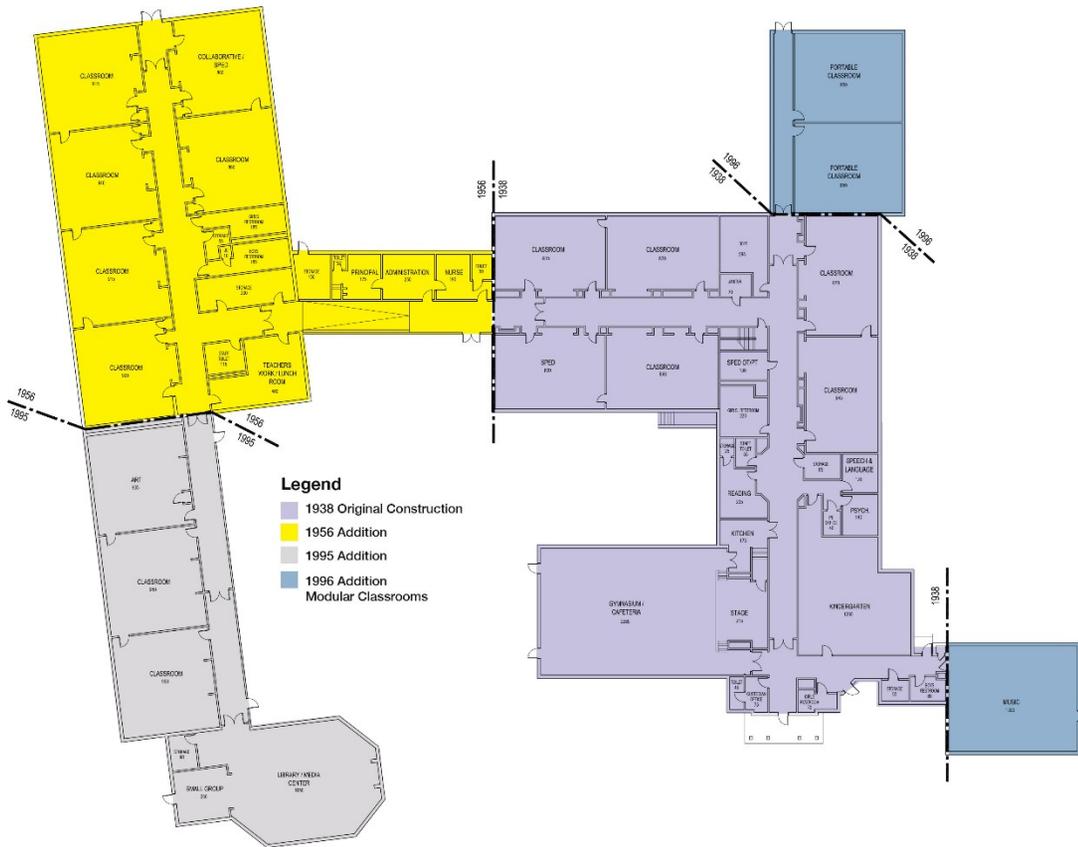
300 Students w/o Modulars

Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5

# HUNNEWELL ELEMENTARY SCHOOL "HISTORY" PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 1250 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

## Existing Building: 44,943 GSF

Including 2 modular classrooms

## Current Enrollment

299 Students

## Estimated Capacity

348 Students w/ Modulers

300 Students w/o Modulers

Assumes 20 Students/Class Kindergarten

Assumes 22 Students/Class Grades 1-2

Assumes 24 Students/Class Grades 3-5

# HUNNEWELL ELEMENTARY SCHOOL DEFICIENCIES PLAN



First Floor

## Existing Classroom Areas

Kindergarten: 1250 SF

Grades 1-5: 850-950 SF

## MSBA Standard

Kindergarten: 1100 SF Min. - 1300 SF Max.

Grades 1-5: 950 SF Min.

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Including 2 modular classrooms

## Current Enrollment

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## Estimated Capacity

348 Students w/ Modulars

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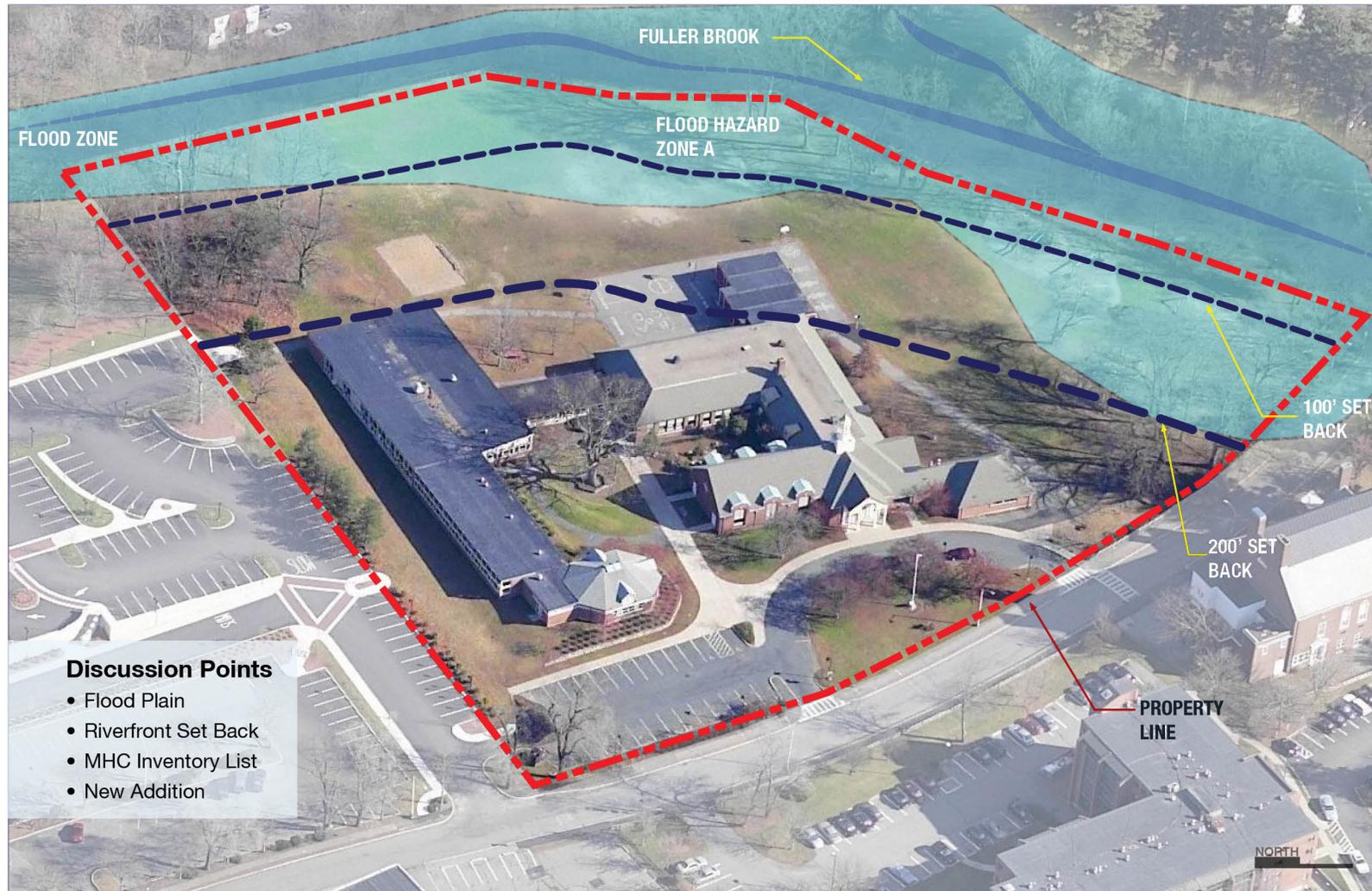
# HUNNEWELL SCHOOL EXISTING SITE



# HUNNEWELL SCHOOL EXISTING SITE



# HUNNEWELL SCHOOL EXISTING SITE



# BENCHMARKING IS...

- Comparing recent elementary school buildings with Wellesley's educational program alternatives to allow the School Facilities Committee to visualize the following impacts:
  - School Size (Physical)
    - Building Gross Square Footage Area
    - Building Footprint
    - Building Height (Number of Floors)
  - School Size (Population and Grade Composition)
    - Number of Pupils
    - Grade Structure
  - School Organization
    - Sections (Classrooms) per Grade
    - Plan Layouts
  - Site Planning and Location Alternatives

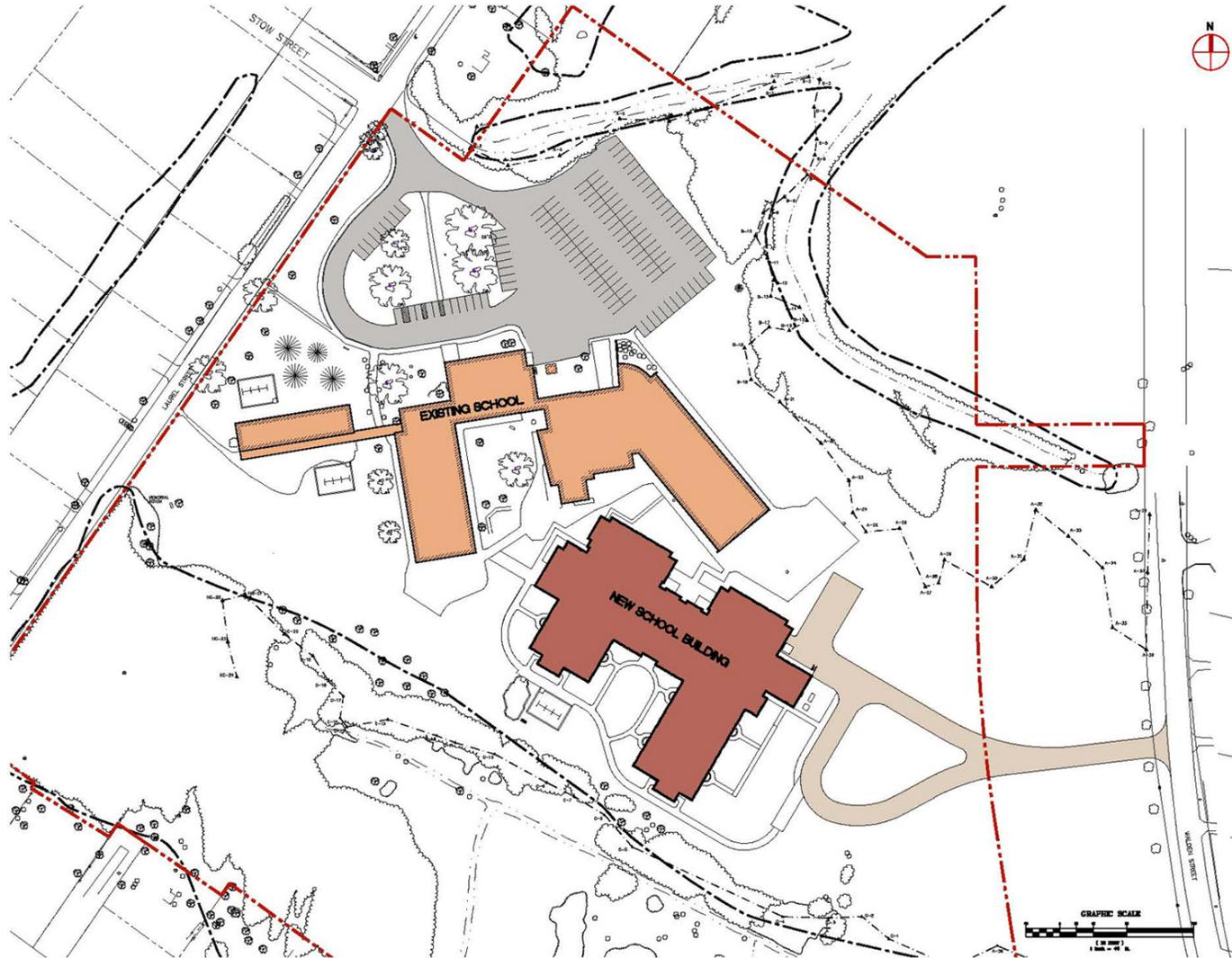
# CONCORD ALCOTT ELEMENTARY SCHOOL



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SMMA

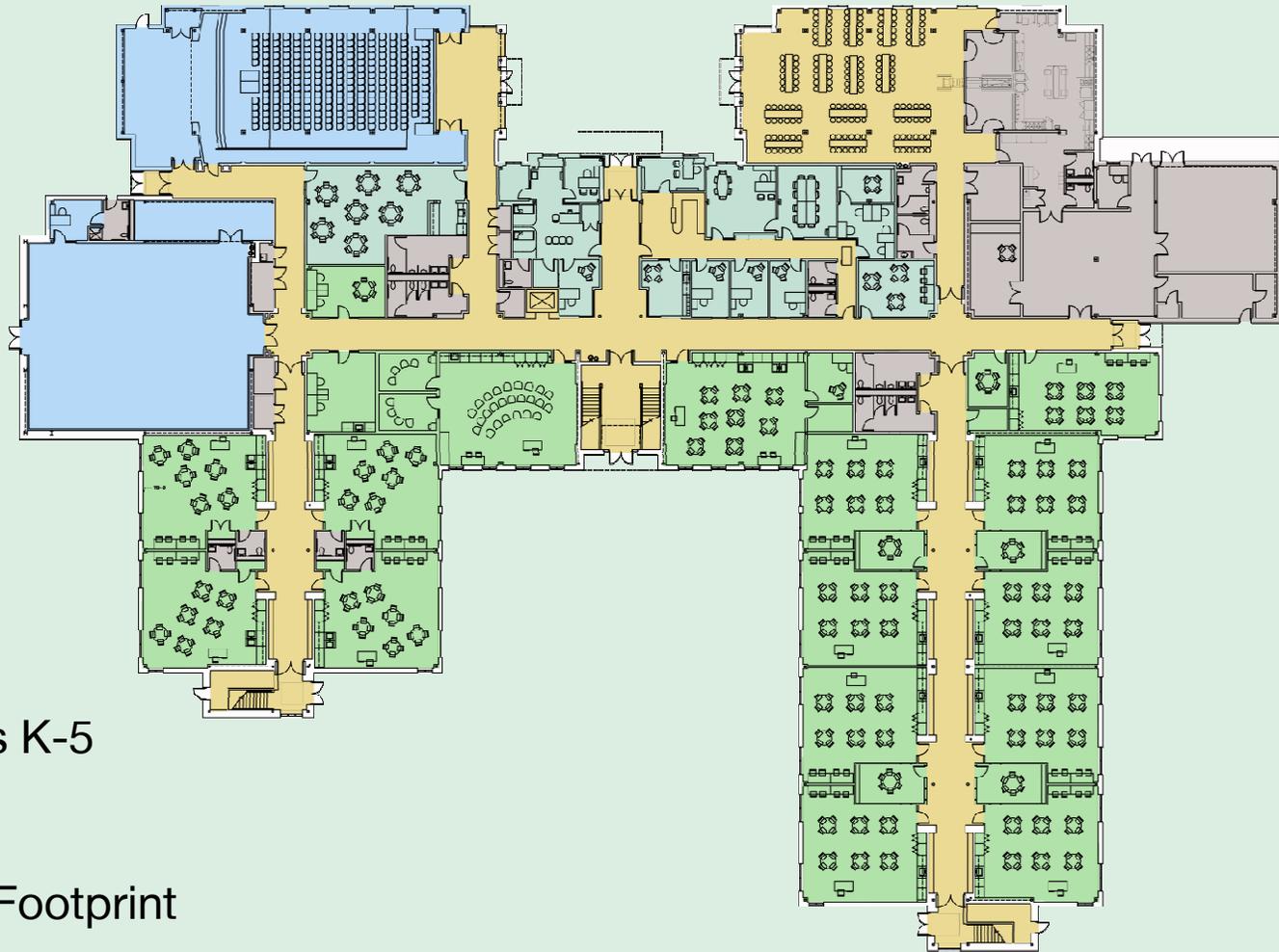
# SITE PLAN



# SITE PLAN

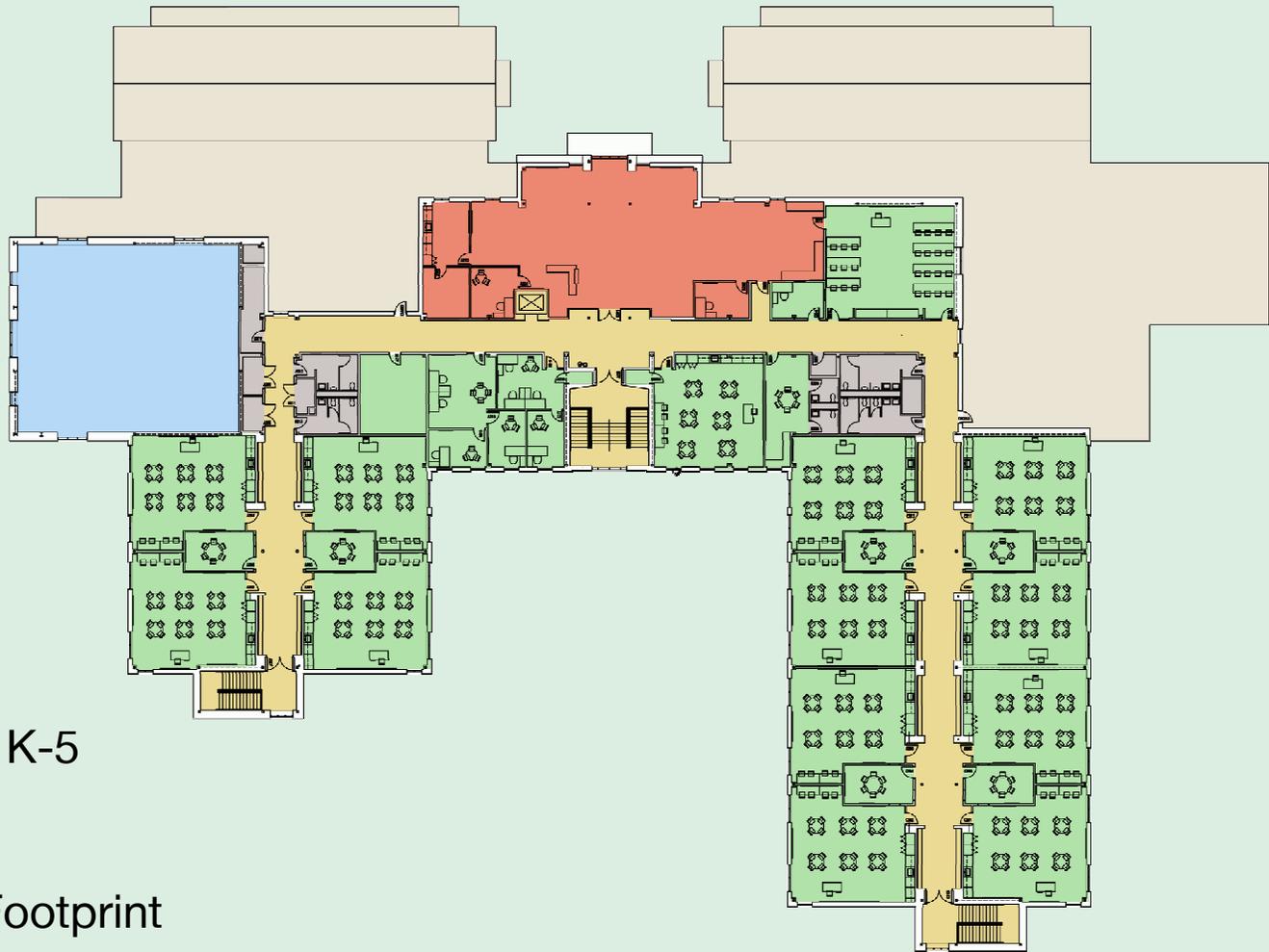


# FIRST FLOOR PLAN



- 500 Students K-5
- 75,800 GSF
- 2 Floors
- 51,500 GSF Footprint

# SECOND FLOOR PLAN



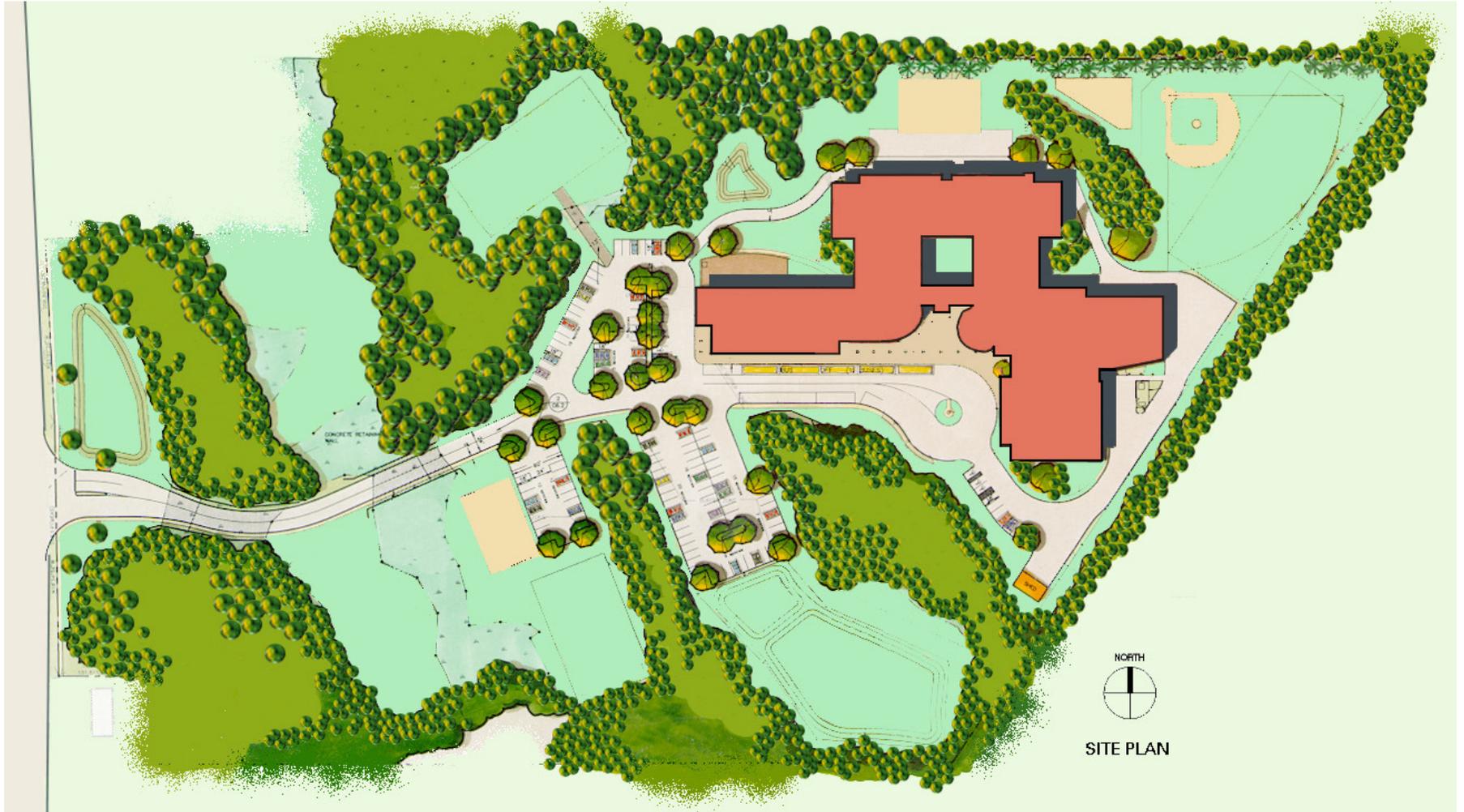
- 500 Students K-5
- 75,800 GSF
- 2 Floors
- 51,500 GSF Footprint

# SALISBURY ELEMENTARY SCHOOL



SMMA

# SITE PLAN



# FIRST FLOOR PLAN



- 850 Students K-5
- 106,000 GSF
- 2 Floors
- 78,000 GSF Footprint

# CONCORD THOREAU ELEMENTARY SCHOOL

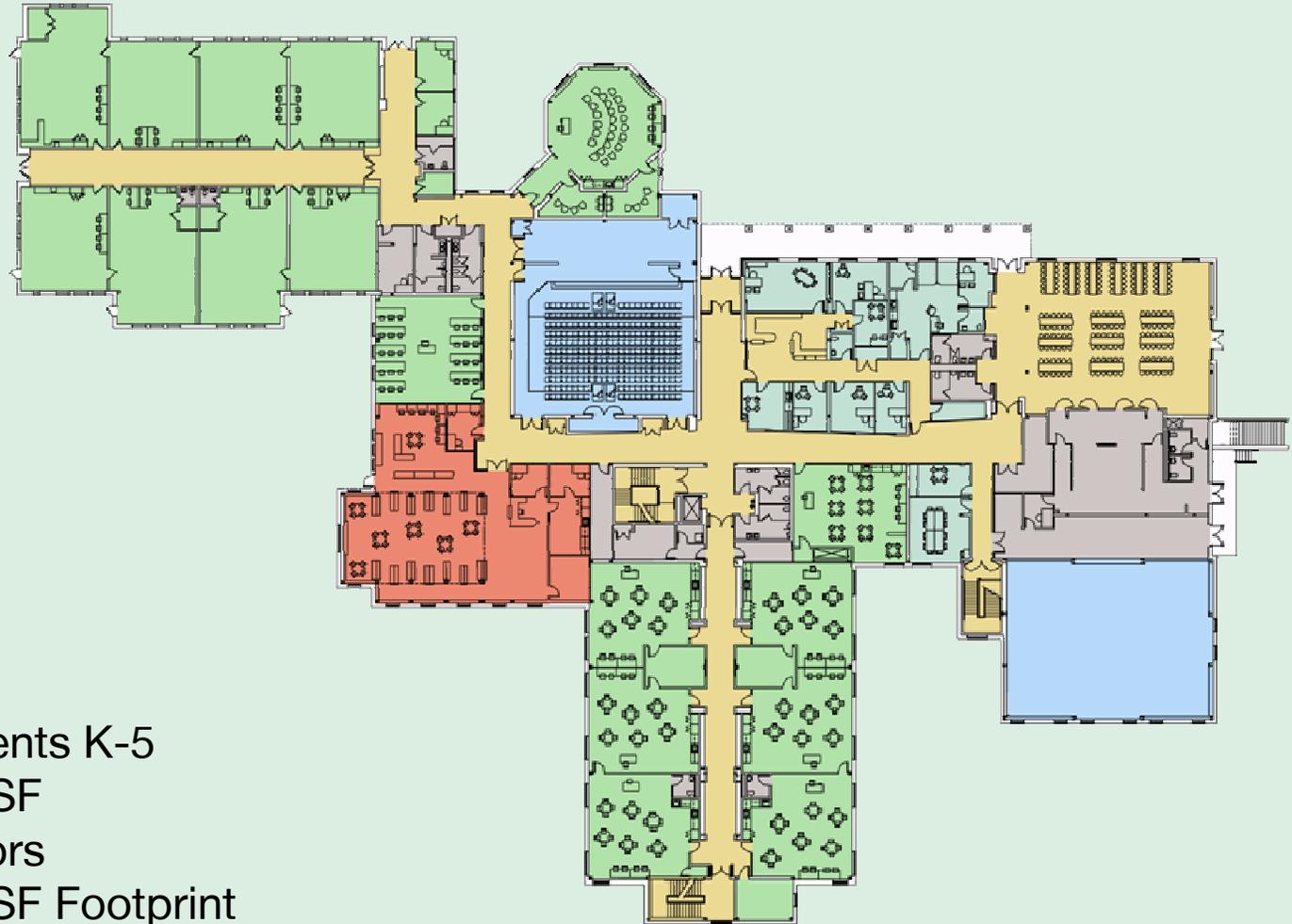


SMMA

# SITE PLAN



# SECOND FLOOR PLAN



- 520 Students K-5
- 80,000 GSF
- 1/2/3 Floors
- 50,500 GSF Footprint

# BILLERICA DITSON ELEMENTARY SCHOOL



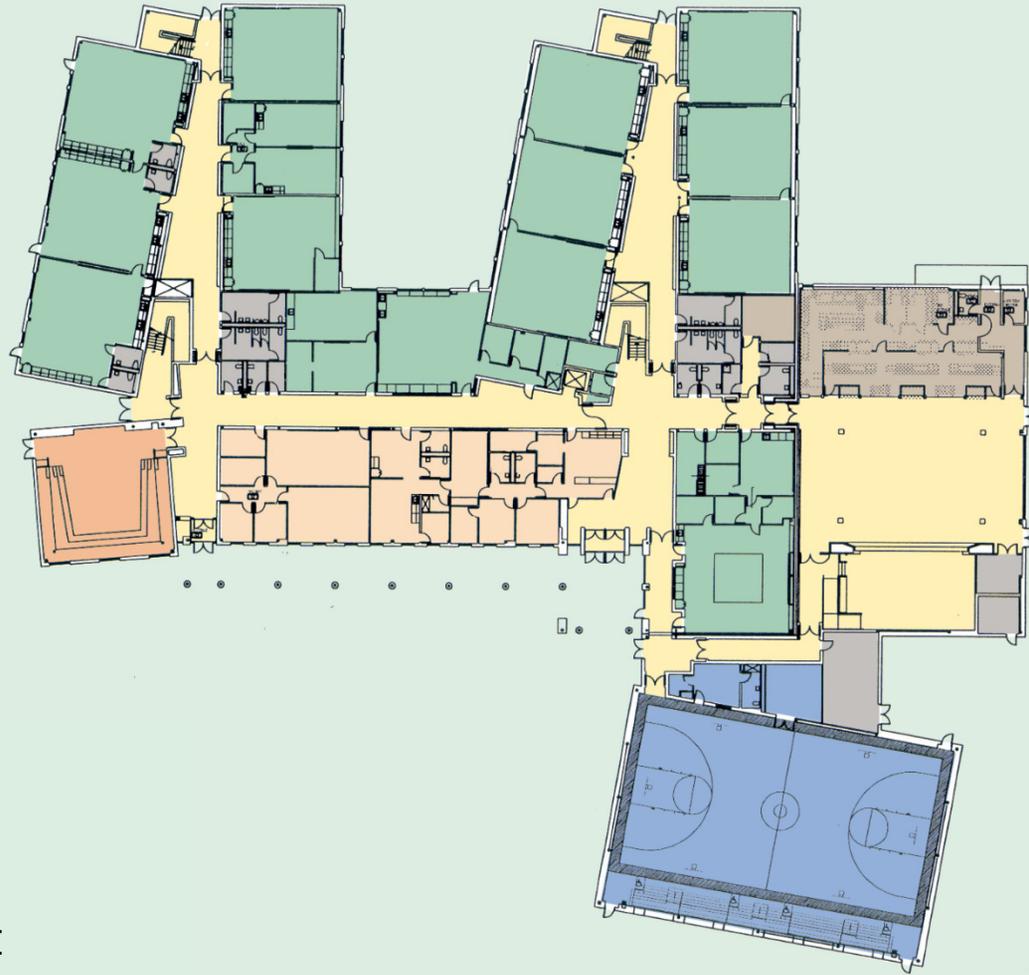
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SMMA

# SITE PLAN



# FIRST FLOOR PLAN

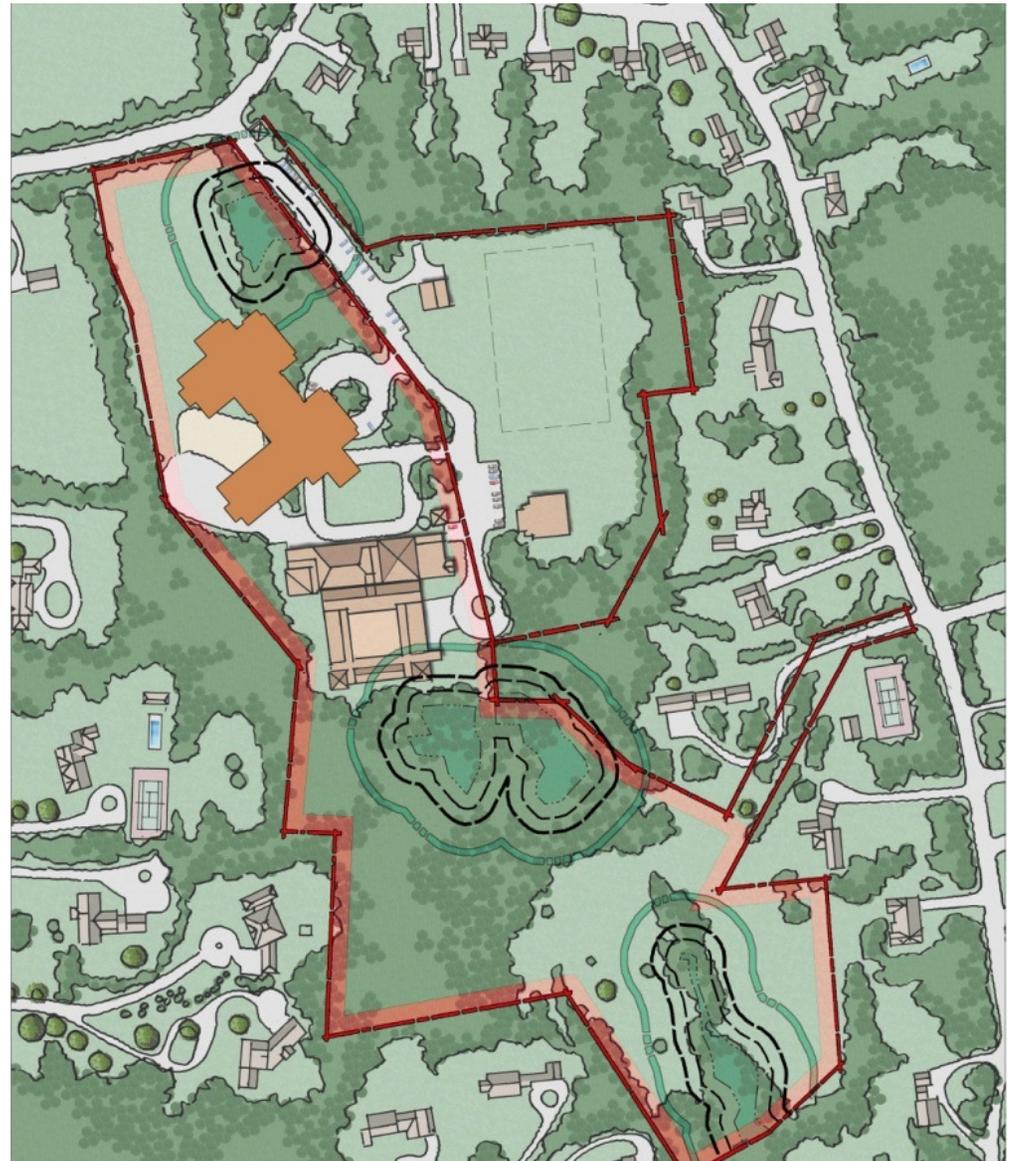
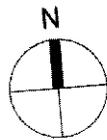


- 800 Students K-5
- 105,000 GSF
- 3 Floors
- 50,750 GSF Footprint

# CONCORD ALCOTT ELEMENTARY SCHOOL

BENCHMARKING:  
BANCROFT STREET SITE

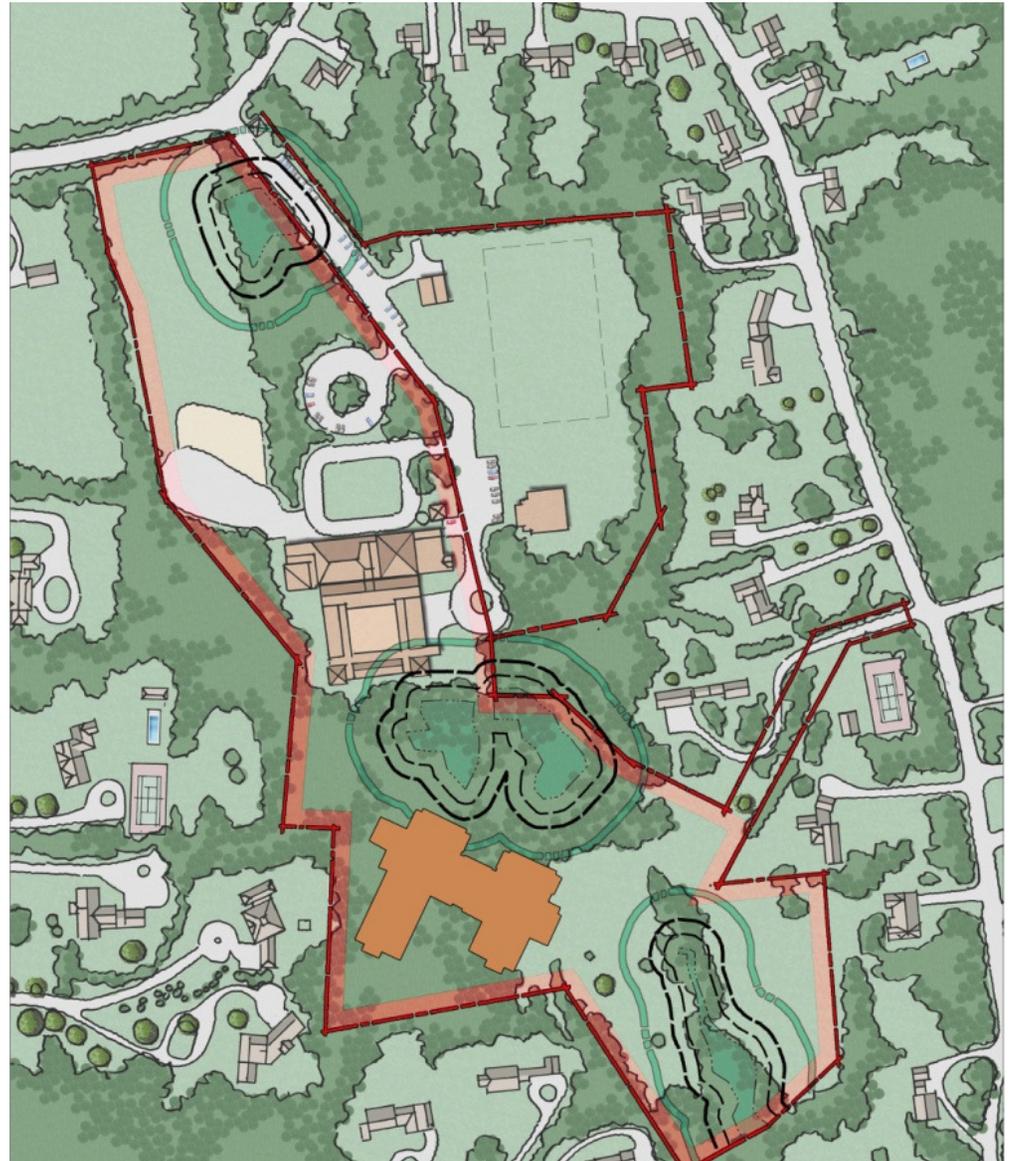
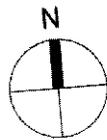
- 500 Students K-5
- 75,800 GSF
- 2 Floors
- 51,500 GSF Footprint



# CONCORD ALCOTT ELEMENTARY SCHOOL

BENCHMARKING:  
HOLT ROAD SITE

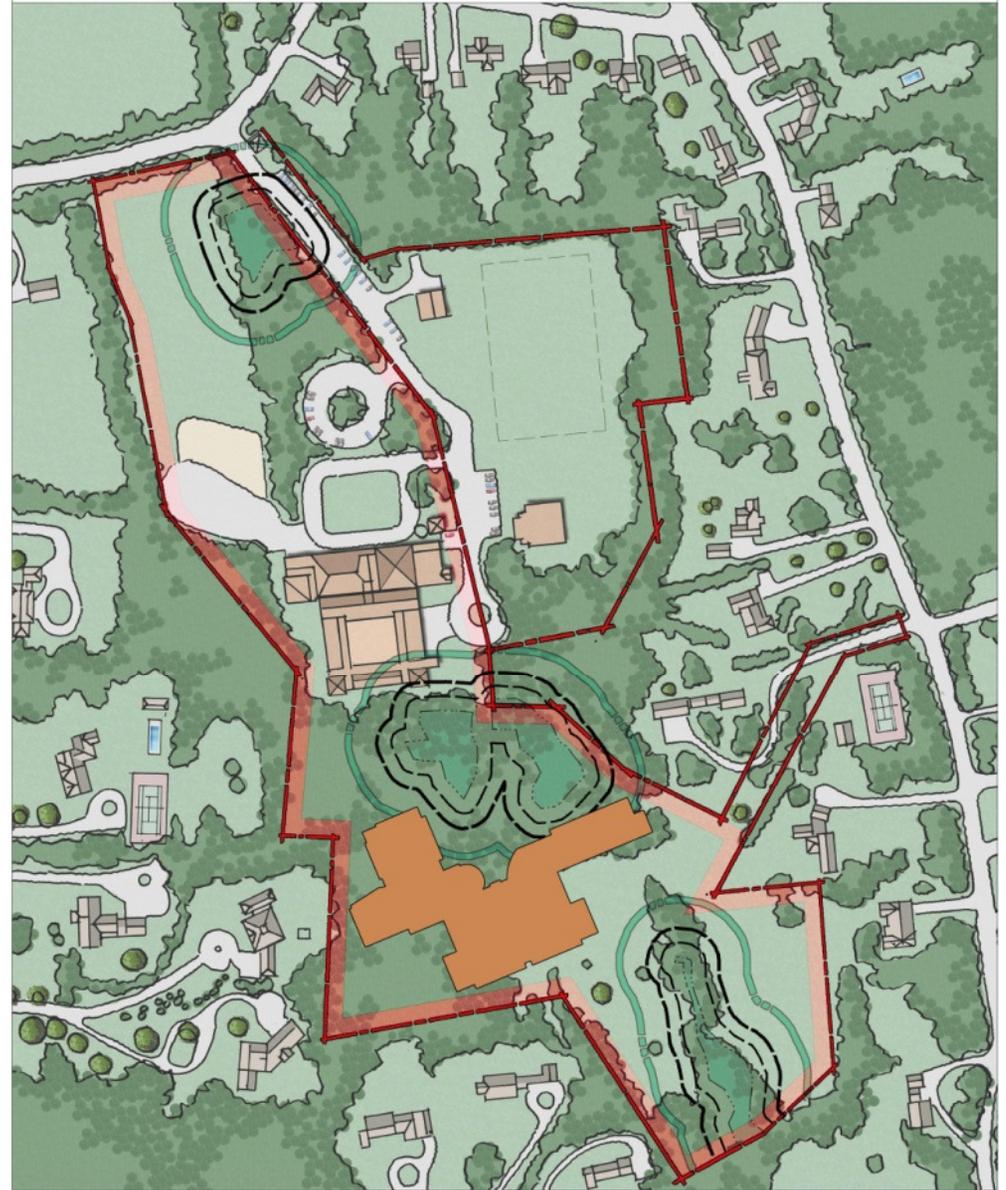
- 500 Students K-5
- 75,800 GSF
- 2 Floors
- 51,500 GSF Footprint



# SALISBURY ELEMENTARY SCHOOL

BENCHMARKING:  
HOLT ROAD SITE

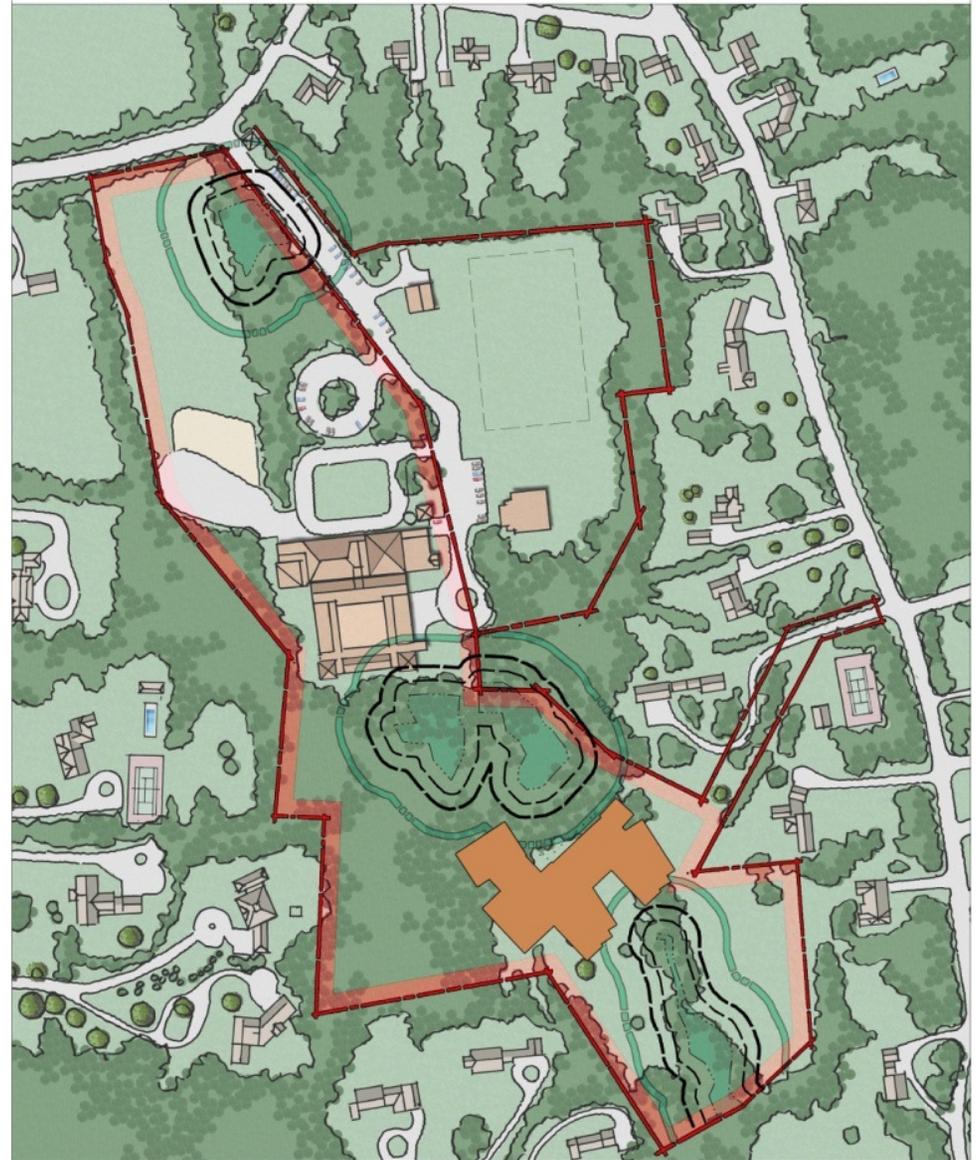
- 850 Students K-5
- 106,000 GSF
- 2 Floors
- 78,000 GSF Footprint



# BILLERICA DITSON ELEMENTARY SCHOOL

BENCHMARKING:  
HOLT ROAD SITE

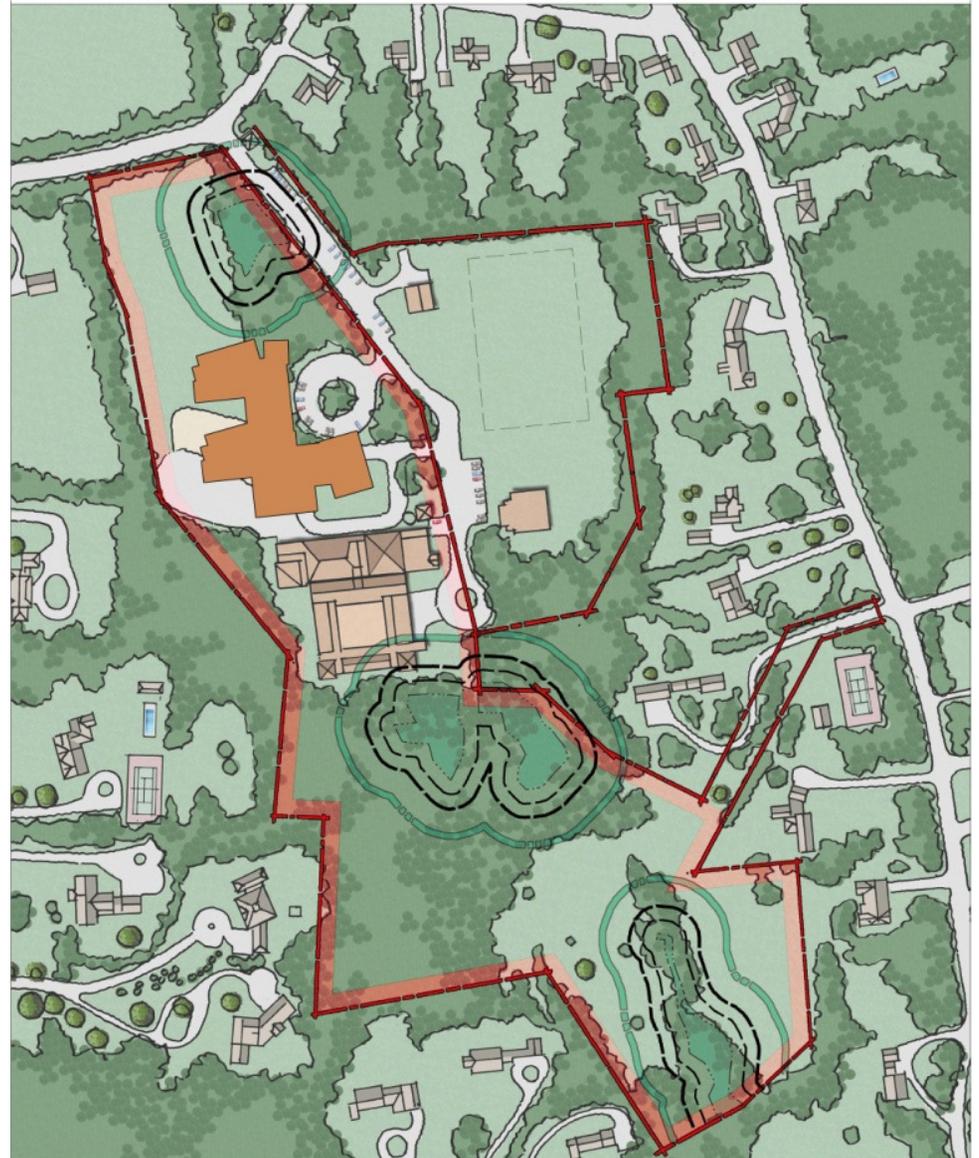
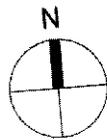
- 800 Students K-5
- 105,000 GSF
- 3 Floors
- 50,750 GSF Footprint



# BILLERICA DITSON ELEMENTARY SCHOOL

BENCHMARKING:  
BANCROFT STREET SITE

- 800 Students K-5
- 105,000 GSF
- 3 Floors
- 50,750 GSF Footprint



# Questions & Answers

SMMA

SYMMES MAINI & McKEE ASSOCIATES

*March 6, 2014*