

- 1 SHREWSBURY HIGH SCHOOL
- 2 CALVIN COOLIDGE SCHOOL
- 3 WALTER J. PATON SCHOOL
- 4 MAJOR HOWARD BEAL SCHOOL
- 5 PARKER ROAD PRESCHOOL
- 6 SPRING STREET SCHOOL
- 7 FLORAL STREET SCHOOL
- 8 SHERWOOD MIDDLE SCHOOL
- 9 OAK MIDDLE SCHOOL
- 10 SPS ADMINISTRATION

PROJECTED ENROLLMENT / SPACE NEEDS

- Calculation methodology based on:
 - Enrollment Forecasts
 - 2021/2031 McKibben Report
 - MSBA Space Summary Template
 - Pro-rated based on:
 - SPS classroom enrollment policy
 - SPS educational plan & pedagogy
 - Exclusion of portable/modular classrooms for all applicable options

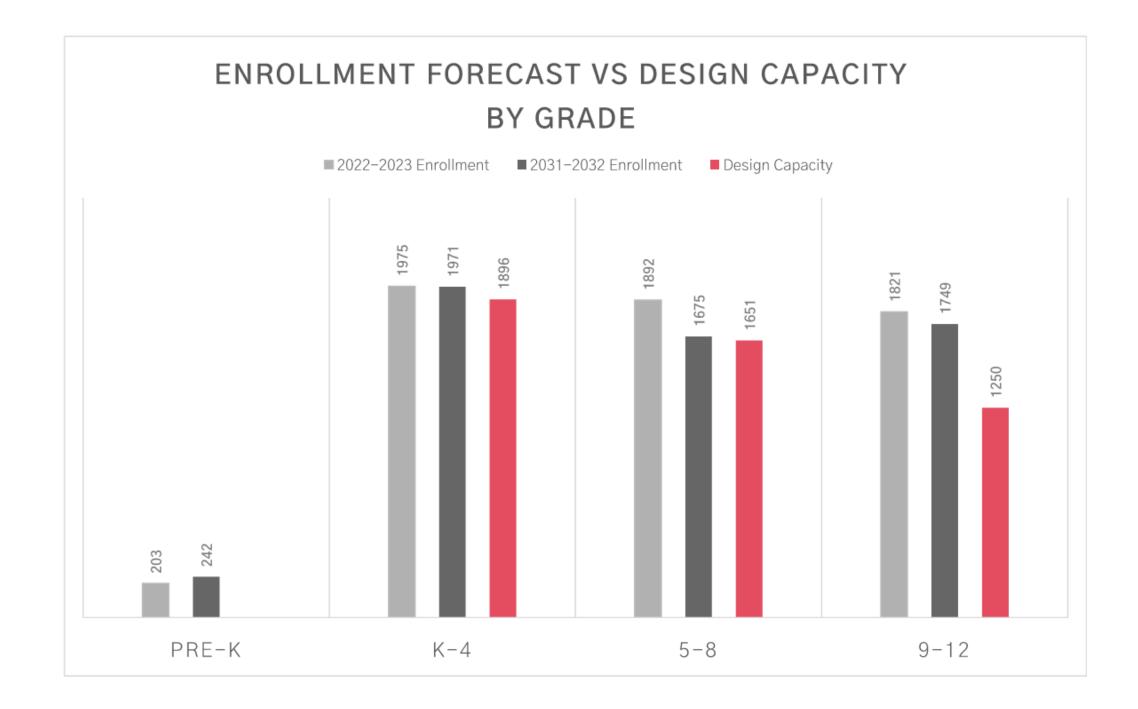
	ENRO	LLMEN	IT
	2022- 2023	2031- 2032	10-YR DELTA
PRE-K			
PARKER ROAD	203	242	39
ELEMENTARY (K-4)	1,975	1,971	(4)
MAJOR HOWARD BEAL	609	548	(61)
CALVIN COOLIDGE	247	292	45
FLORAL STREET	520	510	(10)
SPRING STREET	308	303	(5)
WALTER J PATON	291	318	27
MIDDLE SCHOOL (5-8)	1,892	1,675	(217)
SHERWOOD (5-6)	948	820	(128)
OAK (7-8)	944	855	(89)
HIGH SCHOOL (9-12)			
SHREWSBURY HIGH	1,821	1,749	(72)

DESIGN CAPACITY

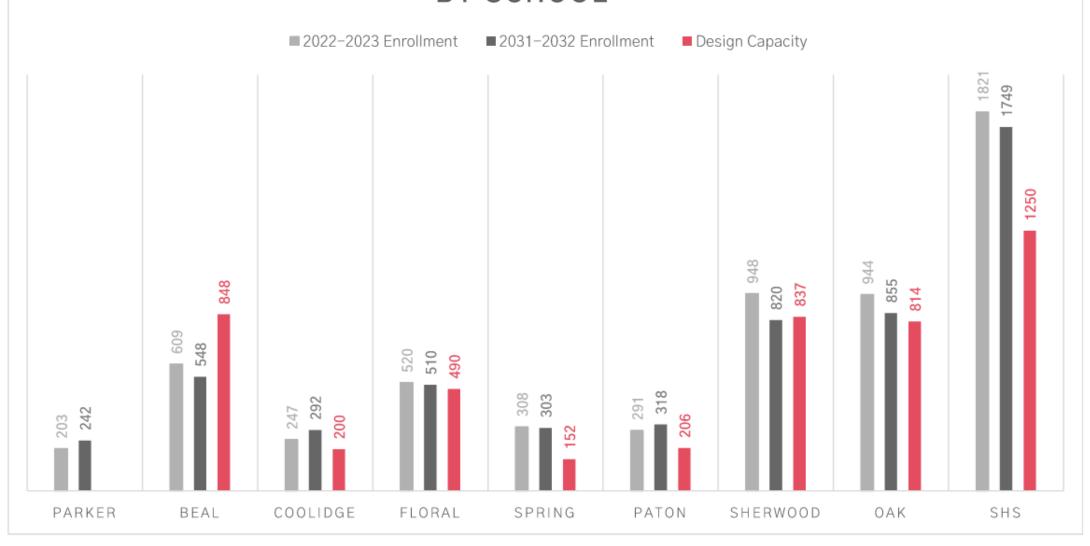
- The student body population that a given school can support <u>as it currently exists</u>
- Calculated based on:
 - Current programmatic usage
 - SPS School Committee policy guidelines for class size
 - MSBA guidelines for classroom square footage sizes
- Portable/modular classroom square footage also excluded from this calculation

	ENRC	LLMEN	IT	DESI(GN CAP	ACITY	
	2022- 2023	2031- 2032	10-YR DELTA	MIN.	MEAN	MAX.	10-YR DELTA*
PRE-K							
PARKER ROAD	203	242	39				
ELEMENTARY (K-4)	1,975	1,971	(4)	1,806	1,896	1,988	(75)
MAJOR HOWARD BEAL	609	548	(61)	808	848	888	300
CALVIN COOLIDGE	247	292	45	190	200	210	(92)
FLORAL STREET	520	510	(10)	467	490	514	(20)
SPRING STREET	308	303	(5)	145	152	160	(151)
WALTER J PATON	291	318	27	196	206	216	(112)
MIDDLE SCHOOL (5-8)	1,892	1,675	(217)	1,578	1,651	1,722	(24)
SHERWOOD (5-6)	948	820	(128)	800	837	873	17
OAK (7-8)	944	855	(89)	778	814	849	(41)
HIGH SCHOOL (9-12)							
SHREWSBURY HIGH	1,821	1,749	(72)	1,185	1,250	1,316	(499)

	ENROLLMENT	DESIGN CAPACITY	
	2031- 2032	MEAN	10-YR DELTA*
PRE-K			
PARKER ROAD	242		
ELEMENTARY (K-4)	1,971	1,896	(75)
MAJOR HOWARD BEAL	548	848	300
CALVIN COOLIDGE	292	200	(92)
FLORAL STREET	510	490	(20)
SPRING STREET	303	152	(151)
WALTER J PATON	318	206	(112)
MIDDLE SCHOOL (5-8)	1,675	1,651	(24)
SHERWOOD (5-6)	820	837	17
OAK (7-8)	855	814	(41)
HIGH SCHOOL (9-12)			
SHREWSBURY HIGH	1,749	1,250	(499)



ENROLLMENT FORECAST VS DESIGN CAPACITY BY SCHOOL

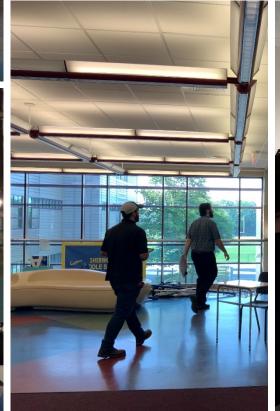














SCHOOLYEAR	TOTAL ENROLLMENT (K-4)	CHANGE
2022-23	247	_
2031-32	292	45
*Design Capacity	200	(92)

Enrollment numbers taken from "Population and Enrollment Forecasts, 2022-23 Through 2031-32" by McKibben Demographic Research, March 2022; see Appendix for full report.

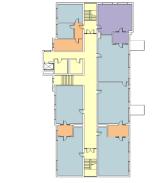
*Design Capacity refers to the mean student body population that a given school can support as it currently exists.

Mean value is calculated based on the SPS School Committee policy guidelines for class size,
as well as MSBA guidelines for classroom square footage size.

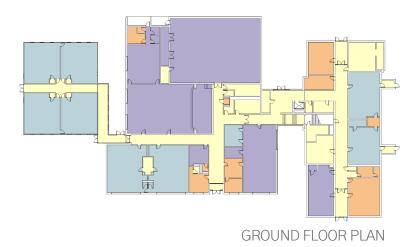
Note that portable classroom square footage is excluded from this calculation.
See Educational Review Introduction for the calculation methodology.



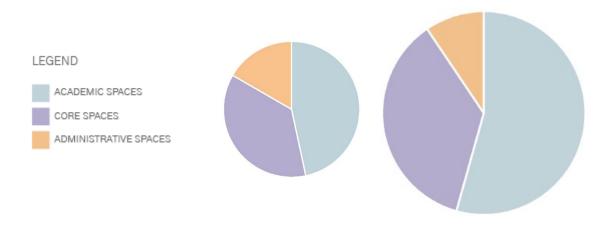
SECOND FLOOR PLAN

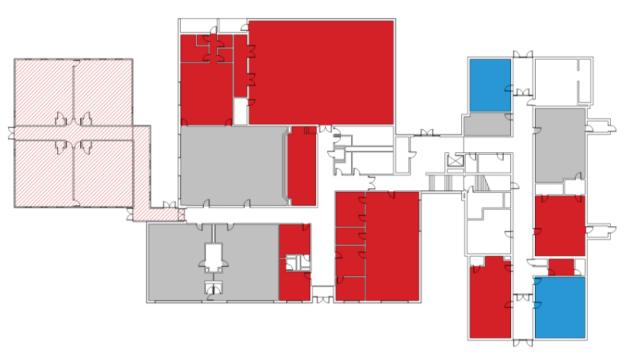


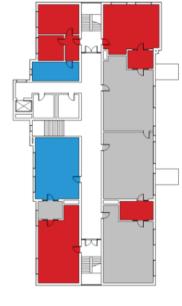
FIRST FLOOR PLAN

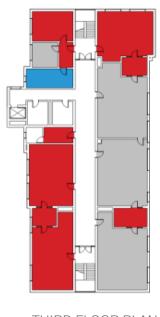


SPACE TYPE	EXISTING SQFT (GROSS GF = 1.5)	MSBA GUIDELINE SQFT (GROSS GF=1.5)	DEFICIENCY
CLASSROOMS * Excludes portable classroom square footage.	16,207	30,900	(14,693)
SPECIAL EDUCATION	5,230	8,183	(2,953)
ACADEMIC TOTAL	21,437	39,083	(17,646)
ART & MUSIC	2,496	3,750	(1,254)
HEALTH & PHYSICAL EDUCATION	6,193	11,475	(5,282)
MEDIA CENTER	2,468	3,030	(562)
DINING & FOOD SERVICE	5,692	7,785	(2,093)
CORE TOTAL	16,850	26,040	(9,190)
MEDICAL	415	915	(500)
ADMINISTRATION & GUIDANCE	5,361	3,023	2,338
CUSTODIAL & MAINTENANCE	1,872	2,850	(978)
ADMINISTRATIVE TOTAL	7,647	6,788	860
TOTAL GROSS FLOOR AREA	45,934	71,910	(25,976)









FIRST FLOOR PLAN

SECOND FLOOR PLAN

THIRD FLOOR PLAN



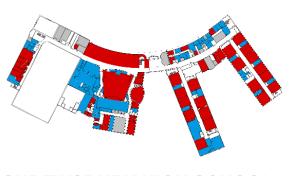




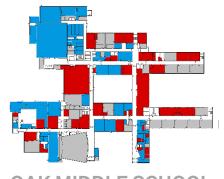




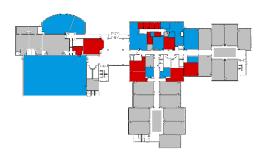




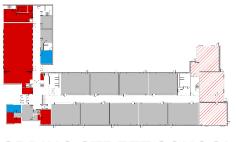




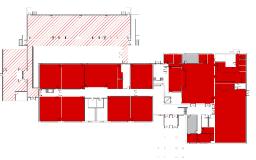
OAK MIDDLE SCHOOL



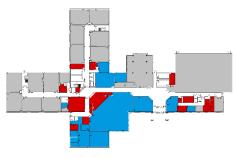
SHERWOOD MIDDLE SCHOOL



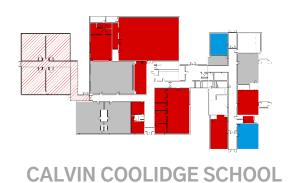
SPRING STREET SCHOOL

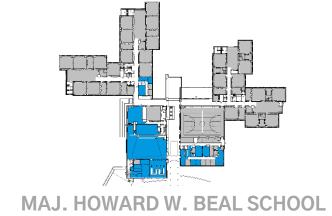


WALTER J. PATON SCHOOL



FLORAL STREET SCHOOL







PRIORITIES

- Address Overcrowding at the High School
- Replace Coolidge Elementary School & Expand District Wide Pre-K
- Parity Among the K-4 Schools
- Address Aging Building Stock & Provide 21st Century Learning Spaces
- Net Zero Upgrades
- Provide Air Conditioning for Equity Across the District
- Unify School Department Administration

Expanded cafeteria seating

New three-story academic wing addition; connect two existing wings

Reroute ring road as required

Expanded parking lot

Existing building
to be renovated

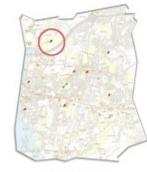
New building addition

Existing building
to be demolished

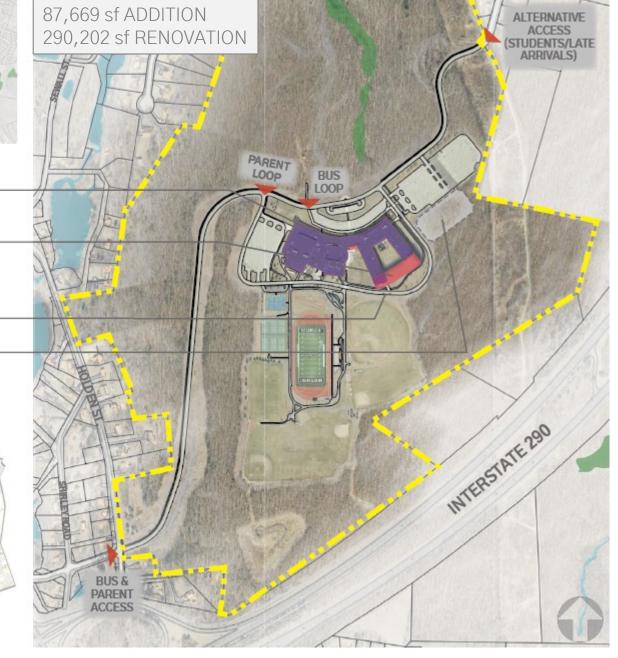
Wetlands

200' wetlands buffer zone

Property line







BUDGET DEVELOPMENT METHODOLOGY

- 2024 Unit pricing
- New Construction vs Addition/Renovation
 - Tier I vs Tier II renovations
 - Tier I: major interior renovation, envelope improvements
 - Tier II: minor interior remodel (no space reconfiguration)
- Systems Upgrades
 - Add air conditioning all buildings
- Net Zero Upgrades
 - Improvements to building systems included in base numbers
 - PV array costs listed separately from total budget numbers
- All budgets included in the presentation are Construction Cost Only

FEASIBLE	LARS	RENOVATION	OVATION			V SCH ON STING			0	CHOOL N SITE	
MARGINAL PRE−K	REMOVE MODULARS & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PARKER ROAD				•	•	•	•		•	•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•			•	•	•	•	•	
FLORAL STREET	•	•									
SPRING STREET	•					•	•		•		
WALTER J PATON	•	•		•		•			•	•	
MIDDLE SCHOOL (5-8) SHERWOOD OAK		•									
HIGH SCHOOL (9-12) SHREWSBURY HIGH		•									

FEASIBLE	LARS	RENOVATION	OVATION			W SCH ON STING			0	CHOOL N SITE	
PRE-K PARKER ROAD	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
ELEMENTARY (K-4)											
MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•								
FLORAL STREET	•										
SPRING STREET	•						•				
WALTER J PATON	•	0				•					
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FEASIBLE	LARS	RENOVATION	OVATION			W SCH ON STING			0	CHOOL N SITE	
MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PRE-K	E 03	AA	A II	S	. S	3	S		3.0	S.	
PARKER ROAD							•			•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•							•	
FLORAL STREET		•									
SPRING STREET	•	•					•				
WALTER J PATON	•	•				•					

MARGINAL

Expanded parking lot (remove baseball field)

New three-story academic wing

Expanded gymnasium

New kindergarten play yard (relocated from Florence St side of building)

Demolish portable classrooms; construct new one-story kindergarten wing with expanded kitchen & receiving area

Existing building to be renovated

New building addition

Existing building to be demolished

Wetlands

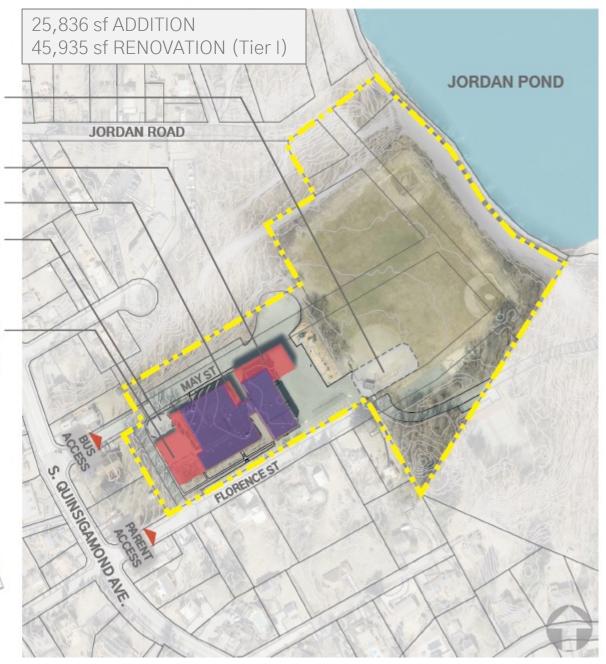
200' wetlands buffer zone

Property line

Vehicular access points



Locus Map



New kindergarten wing addition (6 classrooms)

Reallocate existing kindergarten classrooms to alleviate programmatic deficiencies; reallocate excess classrooms for common areas in each academic wing

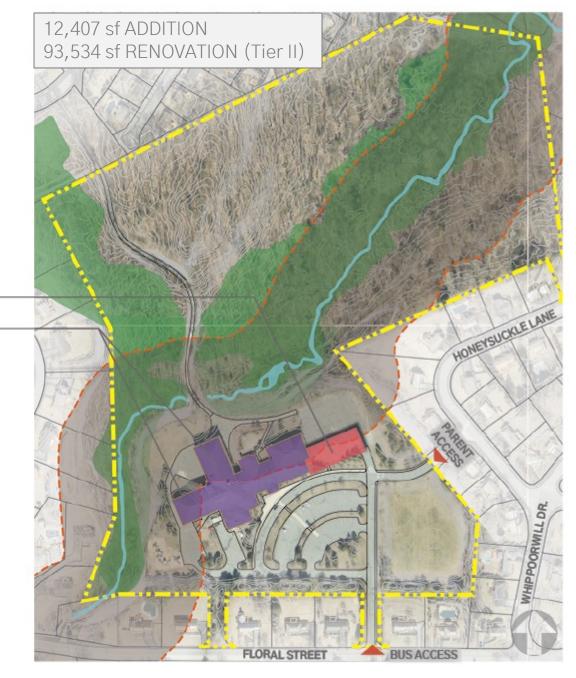
Existing building
to be renovated
New building addition
Existing building
to be demolished
Wetlands

200' wetlands buffer zone

Property line



Locus Map



Demolish portable classrooms

Repurpose existing gymnasium for media center, OT/
PT classrooms, and/or music/art; extend new corridor to
connect to new gymnasium and academic wing; expand
cafeteria/kitchen

New kindergarten rooms in new wing; add new play area adjacent

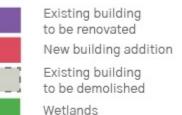
New two-story academic wing; abandon bus turnaround in lieu of new ring road traversing entire building

Reconfigure entry sequence for direct line of sight from relocated/expanded administrative suite

New gymnasium







200' wetlands buffer zone

Property line

New administrative suite addition

Demolish portable classrooms and add new two-story academic wing with media center onto existing building

Expanded kitchen & custodial spaces

New gymnasium with storage & office

Expanded parking option

Expanded parking option (across Municipal Drive)

Existing building
to be renovated

New building addition

Existing building
to be demolished

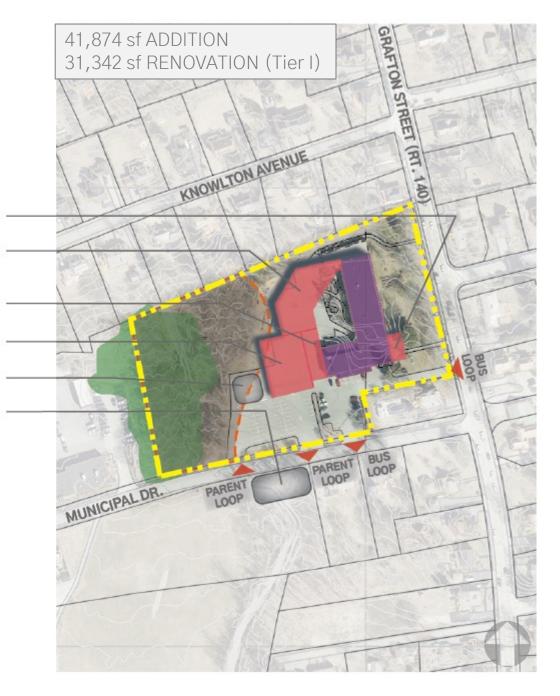
Wetlands

200' wetlands buffer zone

Property line







FEASIBLE	LARS	RENOVATION	OVATION			V SCH ON STING			0	CHOOL N SITE	
MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PRE-K PARKER ROAD				•	•	•	0		•	•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	0	•				•				
FLORAL STREET	•										
SPRING STREET	•		•				•				
WALTER J PATON	•	•	•			•					
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Expanded administrative suite

Demolish portable classrooms and replace with new two-story academic wing

New paved play yard

Renovate existing academic wing for preschool classrooms with shared restrooms

> Renovate existing cafegymatorium for a new gross motor room

> > New single-story classroom wing

Expanded parking

Expanded parking option (across Municipal Drive)

Existing building
to be renovated
New building addition
Existing building
to be demolished
Wetlands

200' wetlands buffer zone

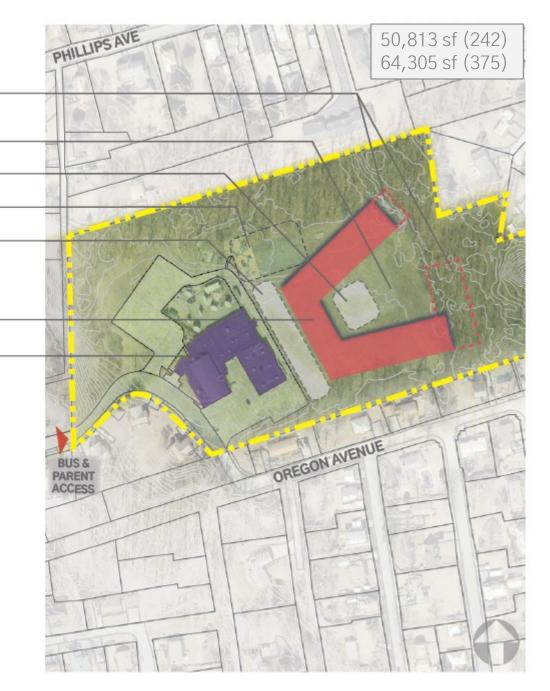
Property line





FEASIBLE	LARS	OVATION	IOVATION		NEV EXIS	NEW SCHOOL ON ALT. SITE					
MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOV AT 10-YR. ENROL	ADDITION/RENOV. FOR PRE-K FACIL	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PRE-K PARKER ROAD	1 0	9	4 4	•	•	•	0		•	•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE		0	•				•				
FLORAL STREET											
SPRING STREET	•						•				
WALTER J PATON		•	•	•		0				•	

FEASIBLE Potential future expansion for a 375-student population New play field New paved play area Existing play area to remain Expanded parking lot & bus loop New one-story preschool for 242 students Existing building to remain; reallocate for municipal use Existing building to be renovated New building addition Existing building to be demolished Wetlands 200' wetlands buffer zone Property line Vehicular access points Locus Map



FEASIBLE 51,146 sf Maintain 50'-0" front yard setback KNOWLTON AVENUE New single-story preschool building Demolish school in its entirety; elementary student population to permanently transfer to Beal Expanded parking Expanded parking option (across Municipal Road) BUS MUNICIPAL DR. New building Existing building to be demolished Wetlands 200' wetlands buffer zone Property line Vehicular access points Locus Map

FEASIBLE	LARS	RENOVATION	OVATION		NE\ EXIS	NEW SCHOOL ON ALT. SITE					
● MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PRE-K PARKER ROAD				•	•	•	•		•	•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•			•	•				
FLORAL STREET											
SPRING STREET	•					•	•				
WALTER J PATON	•	•				•					
						I	I		I		

FEASIBLE 71,911 sf New two-story academic wing New one-story gymnasium/ · cafeteria/administrative wing New paved play area Existing play area to remain Expanded parking lot & bus loop Existing building to remain; reallocate for municipal use New play field OREGON AVENUE Existing building BUS & PARENT ACCESS to be renovated New building Existing building to be demolished Wetlands 200' wetlands buffer zone Property line Vehicular access points Locus Map

Hatched areas indicate townowned land to add (change from playground to school use)

New play field

New paved play area

New two-story academic wing

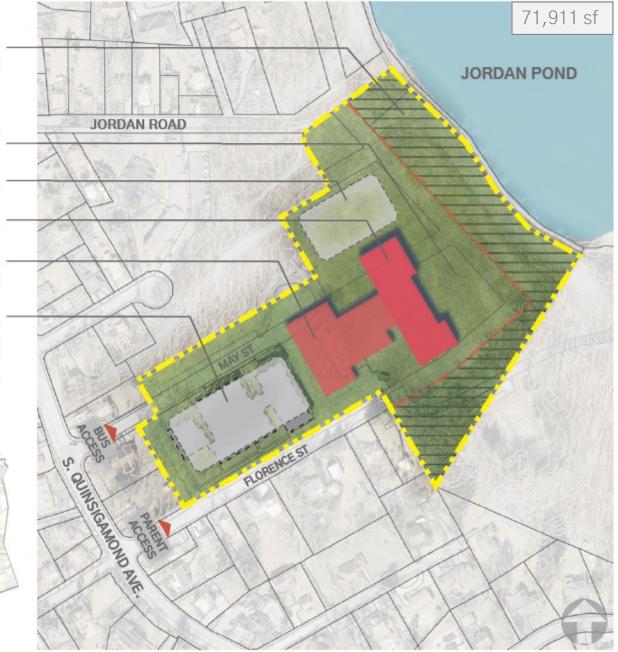
New one-story gymnasium/cafeteria/ administrative wing

Demolish school in its entirety; student population to temporarily transfer to Beal during construction; create new expanded parking lot & reconfigured bus turnaround

New building
Existing building
to be demolished
Wetlands
200' wetlands buffer zone
Property line







Demolish school in its entirety; student population to temporarily transfer to Beal during construction

New two-story academic wing with media center

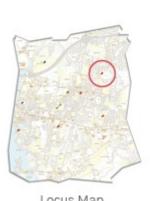
Kindergarten play area

New one-story gymnasium/cafeteria/administrative wing

Revise rotary for bus loop

Relocate play area adjacent to school

Expand parking lot; parent loop to occur in new lower parking lot









MARGINAL 74,515 sf Maintain 50'-0" front yard setback New two-story academic wing New paved play yard KNOWLTON AVENUE New one-story gymnasium/cafeteria/ administrative wing (review wetland no-build restrictions) Demolish school in its entirety; student population to temporarily transfer to Beal during construction Expanded parking; maintain existing parent loop Expanded parking option (across Municipal Drive) BUS PARENT MUNICIPAL DR. New building Existing building to be demolished Wetlands 200' wetlands buffer zone Property line Vehicular access points Locus Map

FEASIBLE	LARS	RENOVATION	OVATION		NEV EXIS		NEW SCHOOL ON ALT. SITE			
● MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS
PRE-K PARKER ROAD							0			
PARKER ROAD										
ELEMENTARY (K-4)										
MAJOR HOWARD BEAL										
CALVIN COOLIDGE	•	•	•				•			
FLORAL STREET										
SPRING STREET	•						•			
WALTER J PATON	•	•				•				
				I			I	I		

PHILLIPS AVE MARGINAL 103,397 sf New two-story academic wing New one-story gymnasium/ cafeteria/administrative wing New paved play area Existing play area to remain Expanded parking lot & bus loop Existing building to remain; reallocate for municipal use New play field OREGON AVENUE BUS & PARENT Existing building to be renovated ACCESS New building Existing building to be demolished Wetlands 200' wetlands buffer zone Property line Vehicular access points Locus Map

Hatched areas indicate townowned land to add (change from playground to school use)

New play field

New paved play area

New two-story academic wing

New one-story gymnasium/cafeteria/ administrative wing

Demolish school in its entirety; student population to temporarily transfer to Beal during construction; add new expanded parking lot & reconfigured bus turnaround



Locus Map



New building

Existing building to be demolished

Wetlands

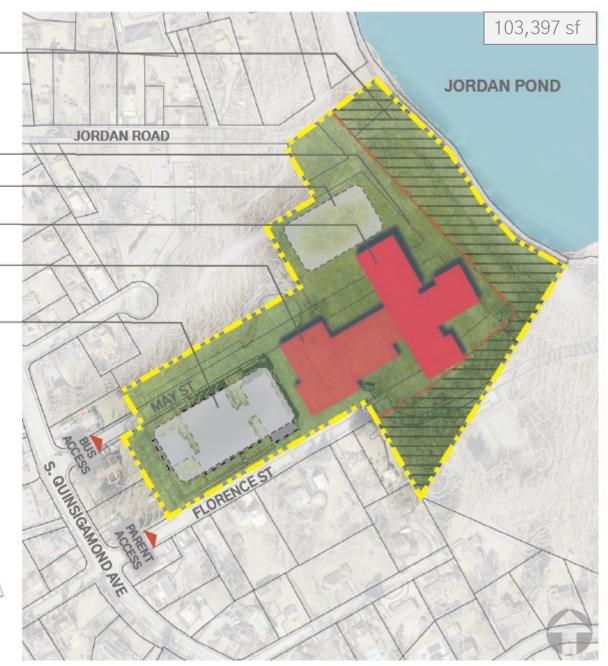


200' wetlands buffer zone



Property line





MARGINAL

Demolish school in its entirety; student population to temporarily transfer to Beal during construction

New three-story academic wing addition

Kindergarten play area

New one-story gymnasium/cafeteria/administrative wing

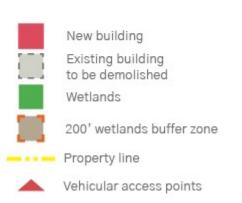
Revise rotary for bus loop

Relocate play area adjacent to building

Expand parking lot; parent loop to occur in new lower parking lot









FEASIBLE	LARS	RENOVATION	OVATION	NEW SCHOOL ON EXISTING SITE					NEW SCHOOL ON ALT. SITE		
MARGINAL	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PRE-K PARKER ROAD	4 %	4 4	4	•	•	•	0		•	•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	0	•				•	•			
FLORAL STREET	•										
SPRING STREET	•						•				
WALTER J PATON	•	•				•					
			I	I		I	I	I	I		

Hatched areas indicate town-owned land to add (change from playground to school use)

New play field

New paved play area

New paved play area for pre-K/K students

New two-story academic wing (pre-K & K on first floor; 1-4 on second floor)

> New one-story gymnasium/cafeteria/ administrative wing

Demolish school in its entirety; student population to temporarily transfer to Beal during construction; create new expanded parking lot & reconfigured bus turnaround

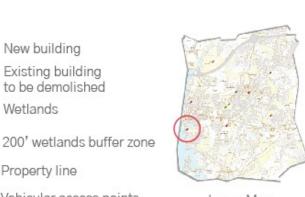
New building Existing building to be demolished

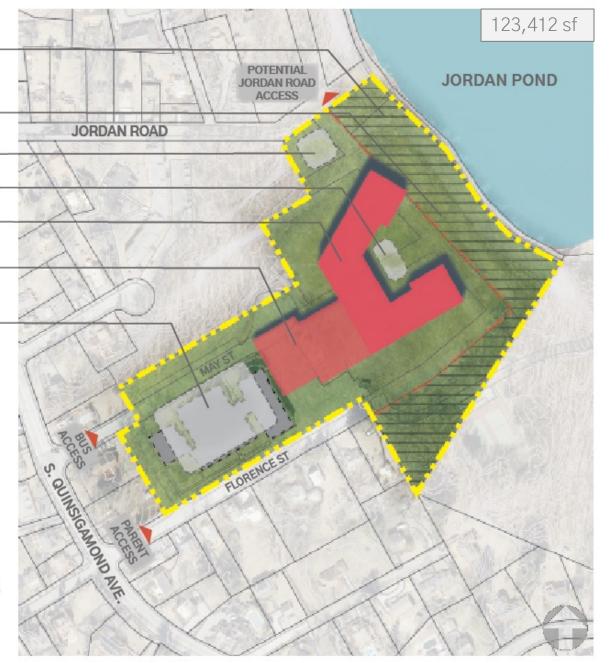
Wetlands

Property line









FEASIBLE	LARS	OVATION	ENOVATION	NEW SCHOOL ON EXISTING SITE					NEW SCHOOL ON ALT. SITE		
PRE-K	REMOVE MODUL & REDISTRICT	ADDITION/RENOV AT 10-YR. ENROL	ADDITION/RENOV. FOR PRE-K FACIL	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
PARKER ROAD							•			•	
ELEMENTARY (K-4) MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•						•	•	
FLORAL STREET											
SPRING STREET	•						•		•	•	
WALTER J PATON		•				•			•	•	

FEASIBLE	LARS	RENOVATION ENROLLMENT	RENOVATION			V SCHOON ON STING	NEW SCHOOL ON ALT. SITE				
PRE-K PARKER ROAD	REMOVE MODUL & REDISTRICT	ADDITION/RENOVATION AT 10-YR. ENROLLMEN	ADDITION/RENOVATION FOR PRE-K FACILITY	(+/-) 242 PRE-K STUDENTS	(+/-) 375 PRE-K STUDENTS	(+/-) 300 ELEM. STUDENTS	(+/-) 600 ELEM. STUDENTS	(+/-) 300 ELEM. + 300 PRE-K STUD.	(+/-) 300 STUDENTS	(+/-) 600 STUDENTS	
ELEMENTARY (K-4)											
MAJOR HOWARD BEAL											
CALVIN COOLIDGE	•	•	•			•	•	•	•	•	
FLORAL STREET	•										
SPRING STREET	0						•				
WALTER J PATON	•	•				•					
MIDDLE SCHOOL (5-8) SHERWOOD OAK		•									
HIGH SCHOOL (9-12) SHREWSBURY HIGH		•									

OPTIONS

ADDITION/RENOVATION VS NEW CONSTRUCTION

ELEMENTARY	(K-4)
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MAJOR HOWARD BEAL

CALVIN COOLIDGE

FLORAL STREET

SPRING STREET

WALTER J PATON

NEW
CONSTRUCTION
(300 STUDENTS)

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\$45,000,000

\$28,000,000

\$45,000,000

\$45,000,000

ADD/RENO

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\$35,000,000

\$28,000,000

\$40,000,000

\$43,000,000

NOTES

Add/reno not desirable this location

Kindergarten addition for parity

No significant savings for add/reno

No significant savings for add/reno

TOTALS

\$163,000,000

\$146,000,000

- Costs were calculated for an addition/renovation of each school individually
- There is a lack of significant savings between addition/renovation and new construction at the elementary level
- New construction will yield the better end product for the cost