June 20, 2023



DORE + WHITTIER

Burlington Fox Hill Elementary School Project School Building Committee Meeting #10 June 20, 2023, 6:00 PM



1. Call to Order & Intro

- 2. Approval of May 30th, 2023 Meeting Minutes
- 3. Working Group Update
- 4. Review of Educational Program & Space Summary
- 5. Criteria Matrix Review
- 6. Design Concepts Review
- 7. Upcoming Milestones/Dates
- Other Topics not Reasonably Anticipated
 48 hours prior to the meeting
- 9. Public Comment

10. Next meetings

11. Adjourn

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1. May 30th, 2023, Minutes

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Working Groups

- Executive Working Group
 - 6/16-Reviewed upcoming SBC Meetings
- Communications Working Group
 - 6/15-Discussed Distribution of Community Meeting Flyer
- Sustainability Working Group
 - 6/1-Reviewed SBC goals









School Building Committee Meeting

BURLINGTON ELEMENTARY SCHOOL Burlington, MA

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MSBA Process

Module 3 Activities - Feasibility Study:

Submit Preliminary Design Program (PDP)

- Educational program and Space Summary
- Existing conditions report
- Establish design parameters
- Develop and evaluate alternates

Preferred Schematic Report:

- of Alternatives
- Cost comparison table
- and educationally appropriate preferred solution to the MSBA
- Submit Preferred Schematic Report (PSR)





Building Authority



Summarize the process and conclusions of the Preliminary and Final Evaluation

Document District's selection and recommendation of the most cost effective



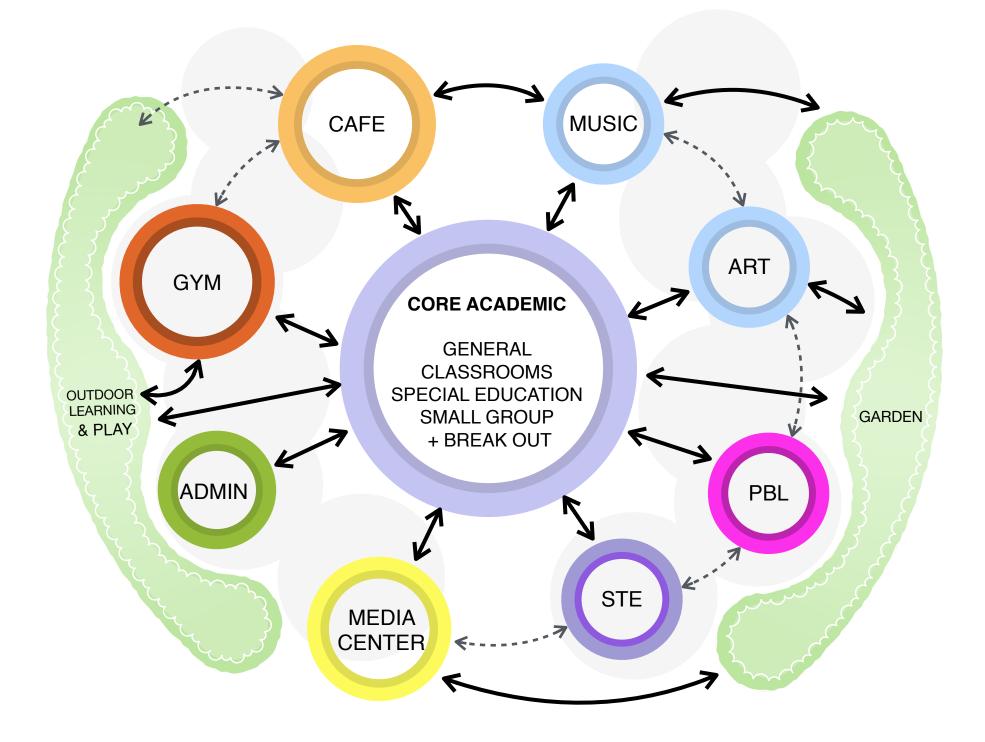
MSBA Process | Educational Program

- Identifies special education programs offered district-wide
- Identifies programs to be offered within the "new" Fox Hill School
- Identifies programmatic spatial relationships and adjacencies
- The program defines the space needs and total square footage for the project





Massachusetts School Building Authority





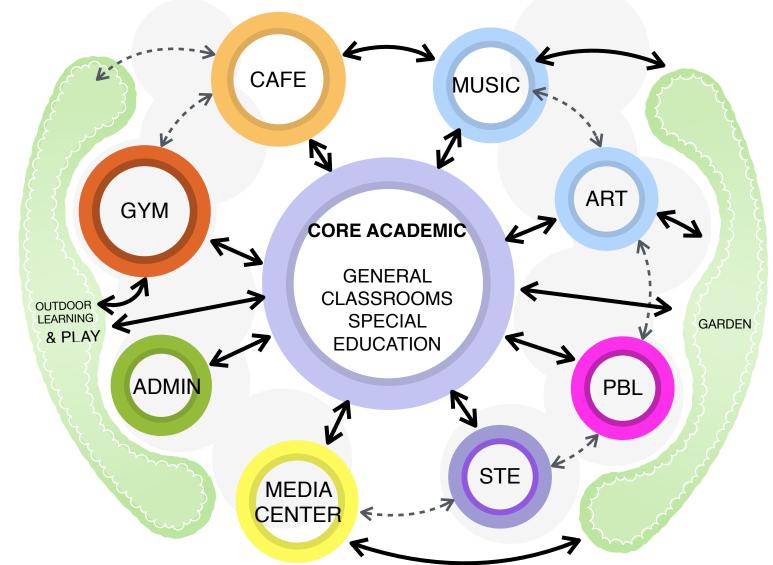
MSBA Process | Educational Program

Grade & School Configuration Policies Music/Performing Arts Programs Class Size Policies Physical Education Programs School Scheduling Method Special Education Programs Teaching Methodology and Structure Vocations and Technology Programs Teacher Planning Core Academic Space Narrative Transportation Policies Pre-Kindergarten Program Functional & Spatial Relationships and Key Programmatic Adjacencies Kindergarten Program Lunch Programs Security & Visual Access Requirements Technology Instruction Policies &

DINISCO DESIGN

Program Requirements

Visual Art Programs



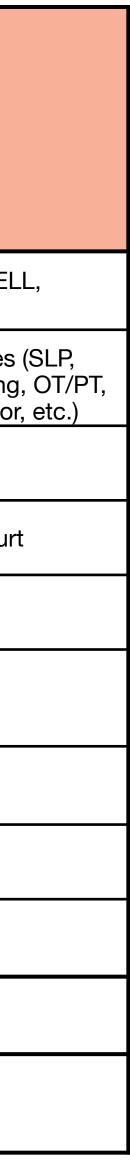


Preliminary Space	Summary	Update					
Program	Fox Hill Existing Conditions	Fox Hill Only @ MSBA Standards (325 Students)	Combined Fox Hill + Pine Glen School @ MSBA Standards (640 Students)	Comments			
Core Academic	24,815 NFA	23,150 NFA	46,300 NFA	Includes general classrooms, STE classroom, ELI literacy + math specialists, tutors			
Special Ed.	4,485 NFA	15,225 NFA ¹	24,325 NFA ²	Includes LABBB program, DSC, support spaces (BCBA, Learning Centers, Small Group / Reading, Team Chair, Psychologist, Adjustment Counselor,			
Art/Music	2,160 NFA	2,500 NFA	5,000 NFA				
Health & PE	4,170 NFA	7,300 NFA	7,300 NFA	Full size gym supports MIAA HS basketball court			
Media Center	1,365 NFA	2,130 NFA	3,550 NFA				
Dining (Cafe, Kitchen, Stage, Teacher Dining)	6,610 NFA	5,567 NFA	8,413 NFA				
Medical / Admin	1,790 NFA	2,855 NFA	6,150 NFA				
Custodial / Main	860 NFA	1,925 NFA	2,240 NFA				
Other	0 NFA	0 NFA	0 NFA				
Sub Total Program	46,255 NFA	60,652 NFA	103,278 NFA				
Total Gross Sq. Ft. (GSF) (Gross SF / NFA = 1.5)	64,400 GSF	90,978 GSF	154,917 GSF				
		Ν	lotes:				

NFA = Net Floor Area

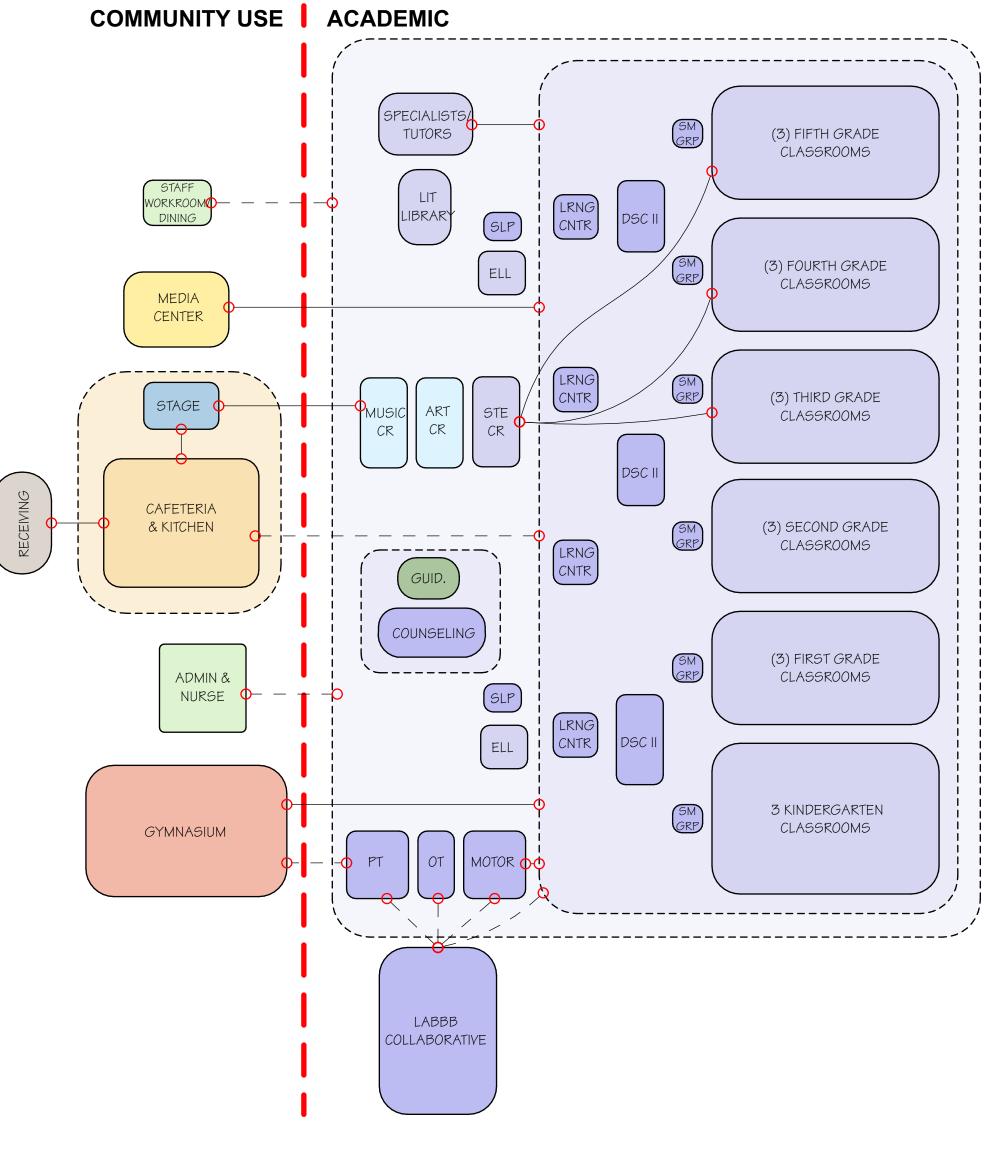
DINISCO DESIGN

Fox Hill Only includes LABBB program, DSC II, and support spaces
 Combined Fox Hill + Pine Glen includes LABBB program, DSC I, DSC II and support spaces 5





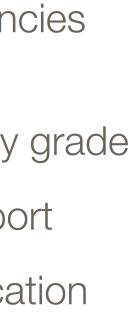
Spatial Relationships | Fox Hill School Only - 325 Students



DINISCO DESIGN

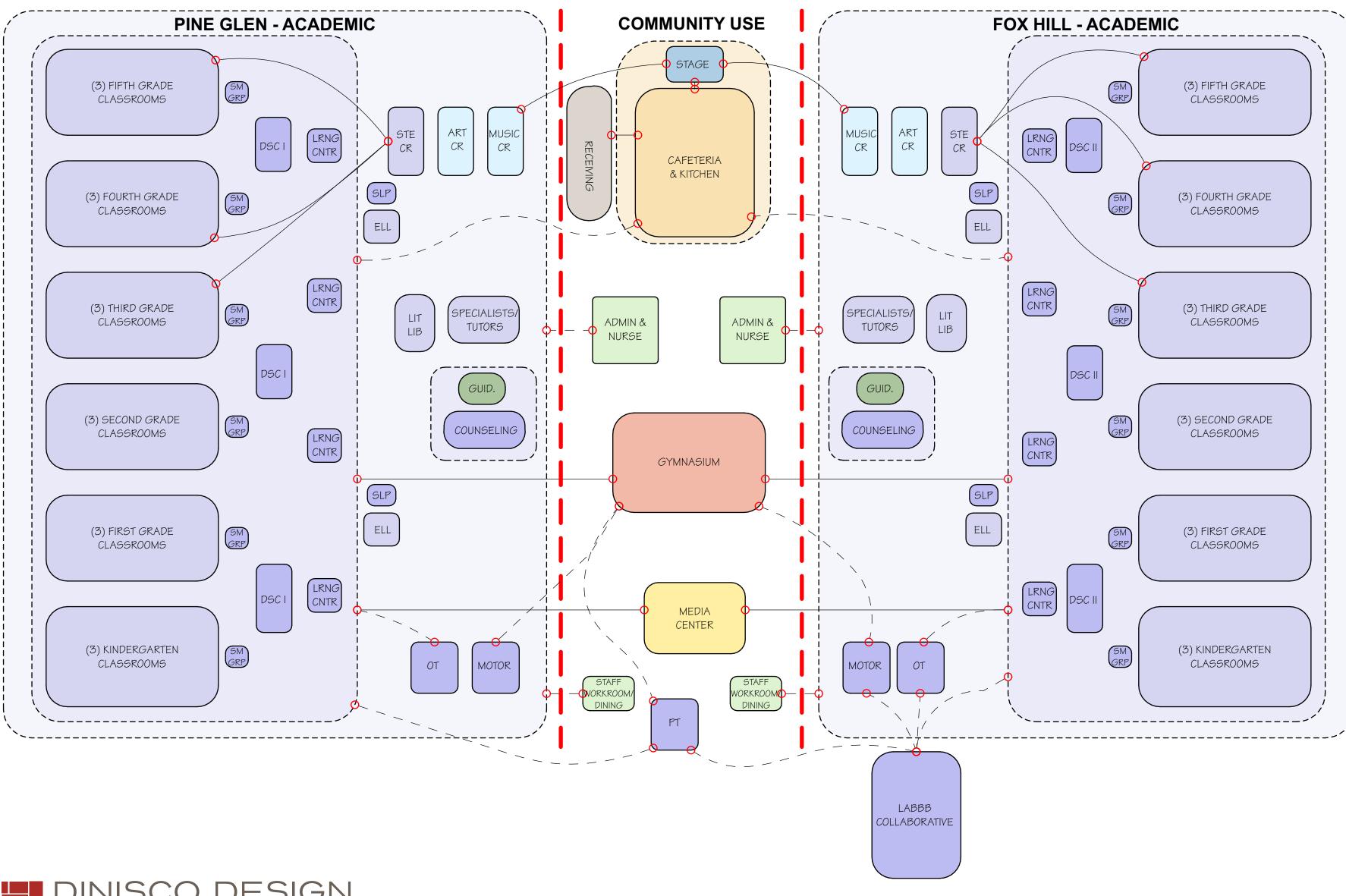
- Create optimum adjacencies between programs
- Classrooms clustered by grade
- Integrated student support
- Integrated Special Education
- Vertical and horizontal collaboration
- Zoned for after school / community use







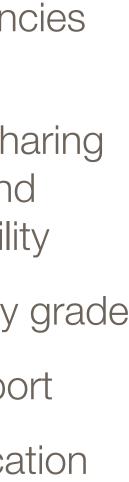
Spatial Relationships Fox Hill and Pine Glen School - 640 Students



DINISCO DESIGN

- Create optimum adjacencies between programs
- Two separate schools sharing cafeteria, gymnasium and media center in one facility
- Classrooms clustered by grade
- Integrated student support
- Integrated Special Education
- Vertical and horizontal collaboration
- Zoned for after school / community use





Traffic and Safety | Preliminary Traffic Study Findings

Traffic Study (Intersections - Fox Hill/Westwood and Westwood/Wilmington)

- Data collection and counts include vehicles, bicycles and pedestrians
- Intersections are highly graded for level of service
- Average traffic speed is 30-32 mph
- Longest traffic queue is 2 cars
- Vehicle Crash Data Review 6 total over the last 5 years (3 of them single car incidents)

Safety Improvement Recommendations

- Update school zone and crosswalk signage and striping to meet current standards
- Add crosswalks and signage at Fox Hill / Vincent, and Westwood / Richard
- Widen existing sidewalks to 8 feet to accommodate bikes and walkers
- Create buffer space between sidewalks and roadways
- Add traffic calming measures (chicanes, chokers, curb extensions, median islands, narrow travel lanes, speed hump or tables)





Traffic and Safety Town Planned Improvements

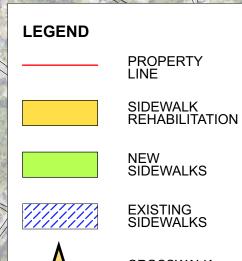
PROOK ROAD

JCKY HILL ROAF

100D STREET

ILL ROAD

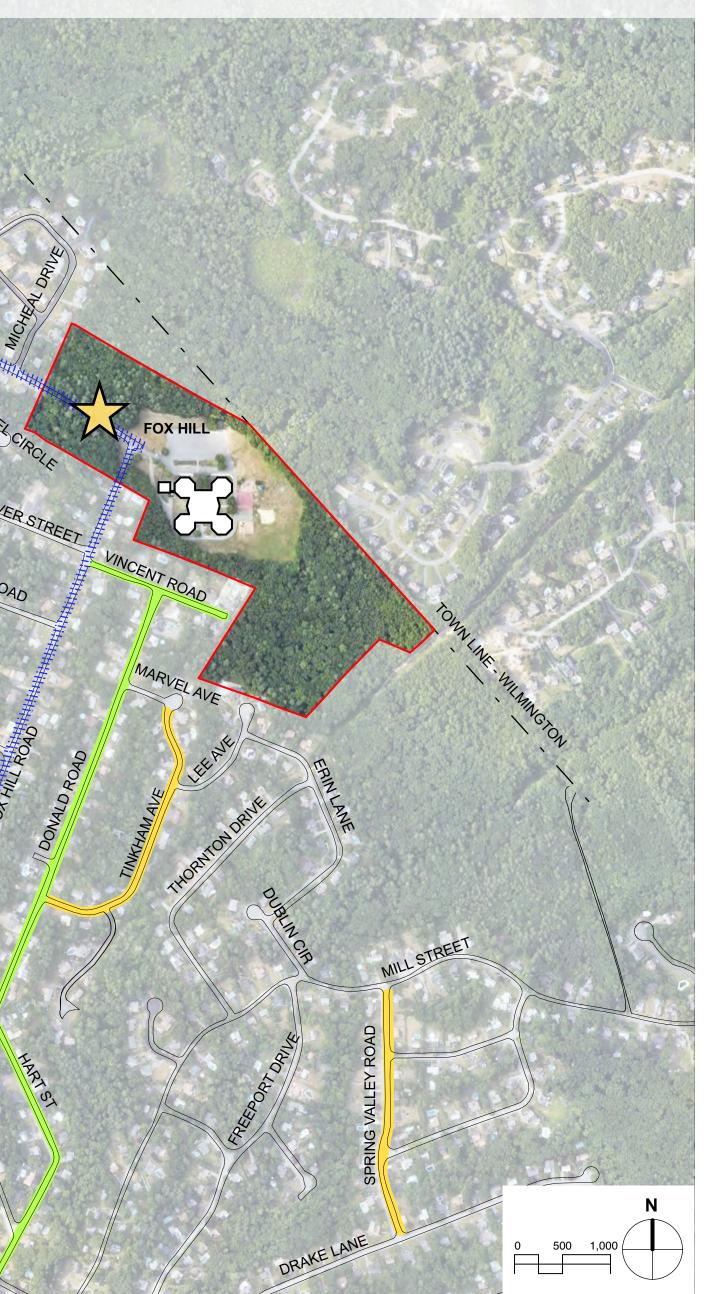
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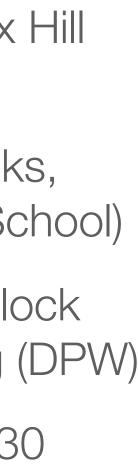
CROSSWALK IMPROVEMENT

GTONRC

0100



- New signs and lines at Fox Hill School (DPW)
- Flashing lights at crosswalks, pending (Safe Routes to School)
- Updated signage at mid block crosswalks and re-striping (DPW)
- New sidewalks 2029-2030 (Town Capital Project)
- Rehab existing sidewalks -2023-2026 (DPW)



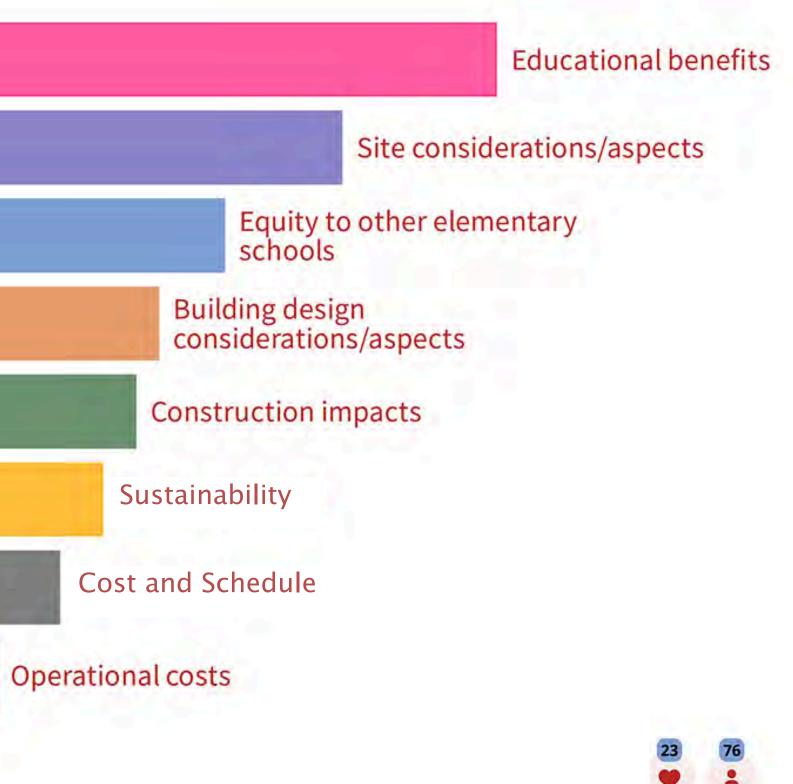


Community Input | Updated Priorities and Criteria

Ranked Priorities for the School

1st	
2nd	
3rd	
4th	
5th	
6th	
7th	
8th	







Sustainability Working Group | Meeting Summary

Burlington is Designated Green Community

- Stretch Energy Code New buildings required to be 10% more energy efficient than the updated base energy code (2019 ASHRAE 90.1 appendix G)
- Reduce overall municipal energy use by 20%

Building Code Updates

- New 780 CMR (Mass. State Building Code 10th Edition) adopts 2021 IECC (International Energy Conservation Code) effective July 1, 2023.
- 2021 IECC has more stringent requirements for building envelope performance than current IECC (2015)
- New Stretch Energy Code effective July 1, 2023 further increases the energy efficiency requirements





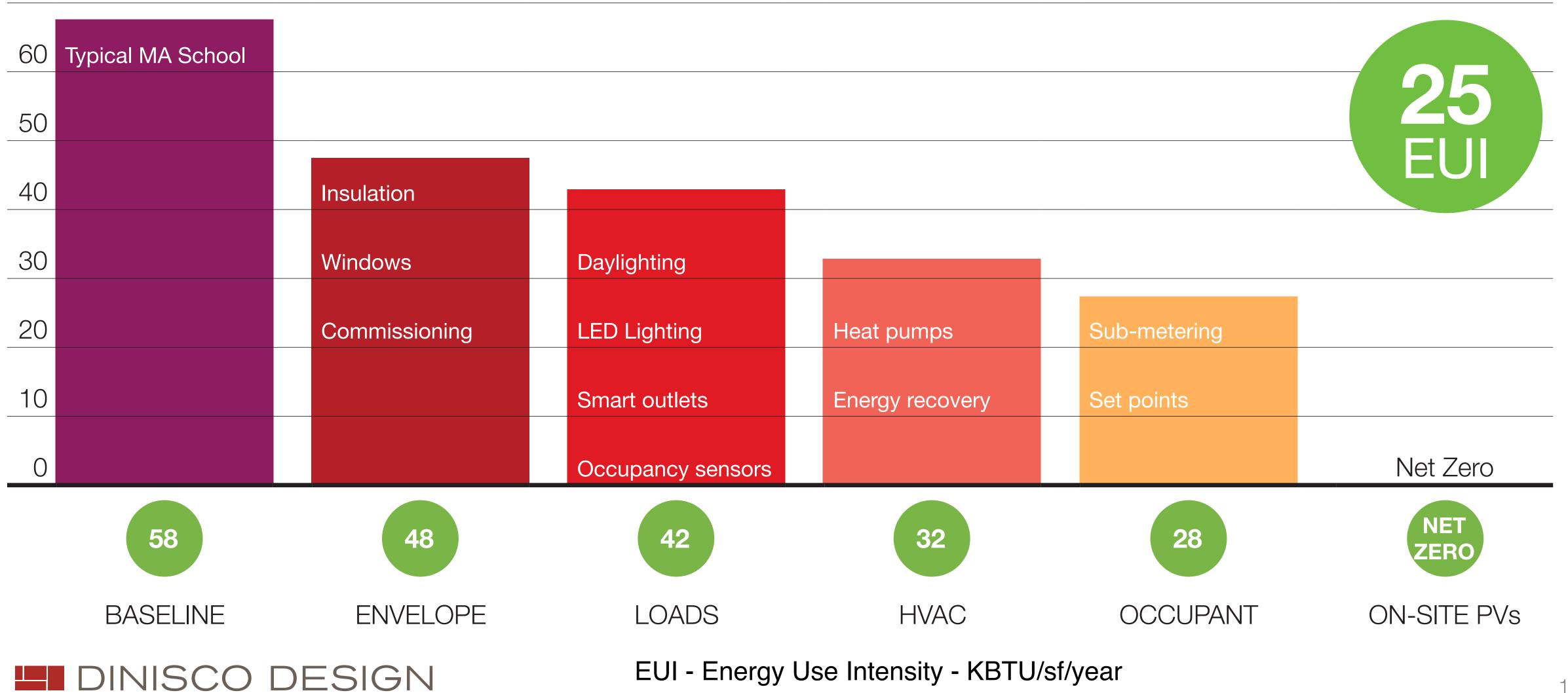
- Sustainability Working Group | Meeting Summary Net Zero Energy (NZE) and Triple Net Zero (Energy, Water and Waste) Rainwater Harvesting System to be considered
- All electric building vs gas building to be considered.
- Mechanical systems to be further studied
 - Gas heat and electric cooling

 - Air source heat pumps (ASHP) VRF or air to water heat pump - Ground source heat pumps (GSHP) - Geothermal system
- BPS Facilities Department to make final recommendation of mechanical systems. (systems must be easy to maintain)





Path to Net Zero | Designing a High Performance Building



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Path to Net Zero | 25 EUI Target

Strategies nended Carbon Emission Intensity Targets

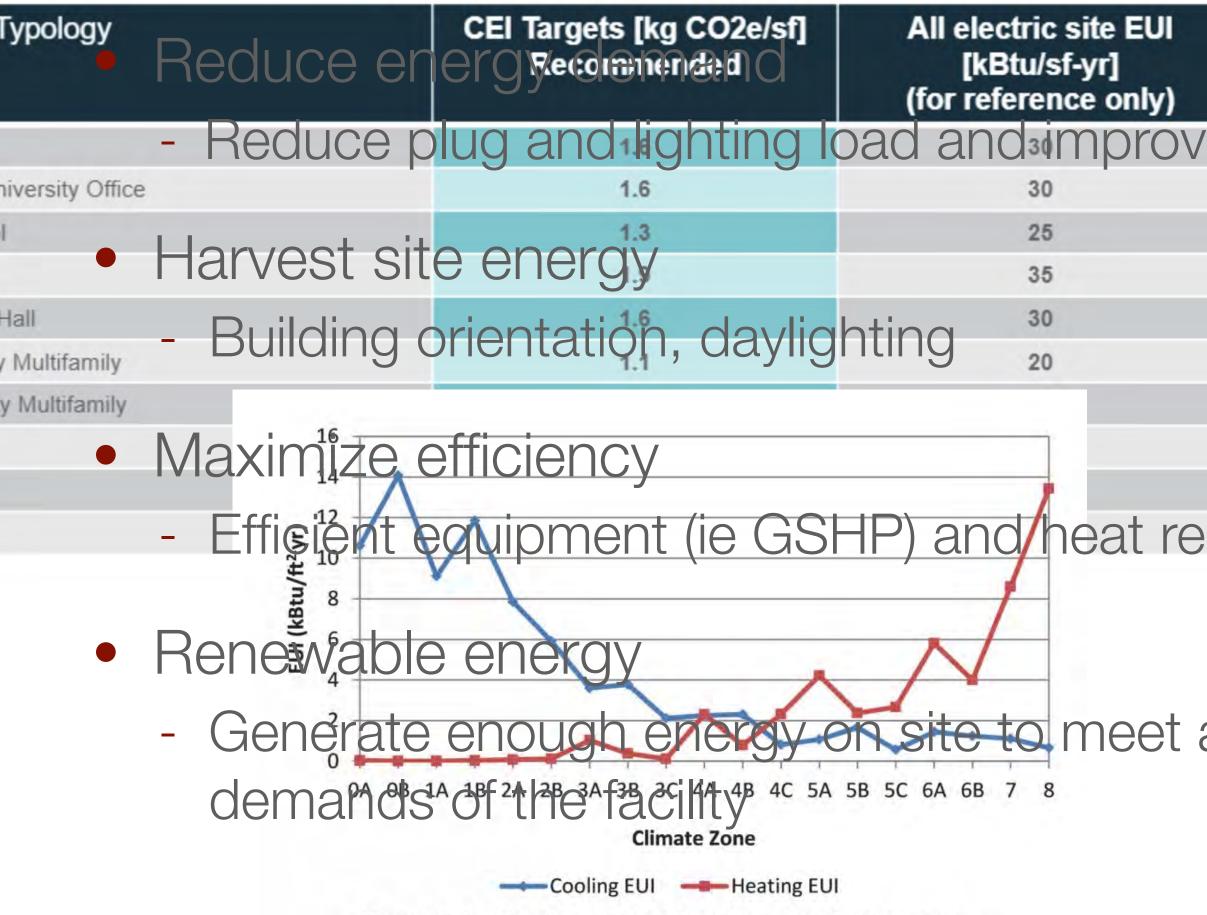


Figure 5-3 Heating and cooling loads by climate zone.



All electric site EUI [kBtu/sf-yr] (for reference only)		
Ve envelope 30 25	Heating, 3.3 Cooling, 1.9	Heating&C 5.3 EUI
35 30 20	Pumps , 0.1 Fans , 3.9 Ext. Lights , 0.4	Ventilation 3.9 EUI
30 80 120 COVERV 139	Int. Lights, 5.5	L Internal Lo 5.9 EUI
all energy	DHW, 0.5 Plug-Loads, 9.3	User Beha 9.8 EUI

Typical ZNE School Energy End Uses



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PDP Options | Required to be evaluated

Alternative	Description	Location	# of students	# of classrooms	Solution		
Option No. 1	Code Upgrade / Repair Only	Fox Hill School	325 Students	3 classrooms / grade	Fox Hill Only		
Option No. 2	Addition / Renovation	Fox Hill School	325 Students	3 classrooms / grade	Fox Hill Only		
Option No. 3	New Construction	Fox Hill School	325 Students	3 classrooms / grade	Fox Hill Only		
Option No. 4	Code Upgrade / Repair Only	Fox Hill School	640 Students	2 x 3 classrooms /grade	Combined Fox Hill & Pine Glen		
Option No. 5	Addition / Renovation	Fox Hill School	640 Students	2 x 3 classrooms /grade	Combined FHES + PGES building v independent schools		
Option No. 6	New Construction	Fox Hill School	640 Students	2 x 3 classrooms /grade	Combined FHES + PGES building v independent schools		
Option No. 7	Addition / Renovation	Pine Glen School	640 Students	2 x 3 classrooms /grade	Combined FHES + PGES building v independent schools		
Option No. 8	New Construction	Pine Glen School	640 Students	2 x 3 classrooms /grade	Combined FHES + PGES building v independent schools		

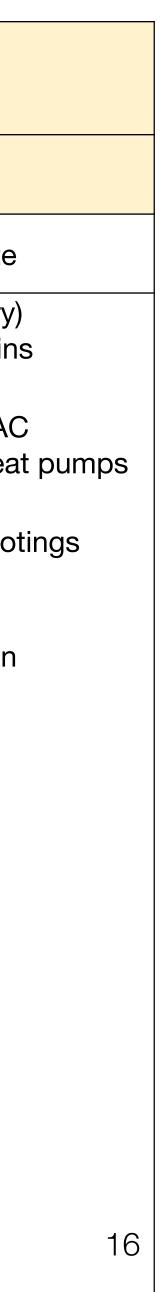






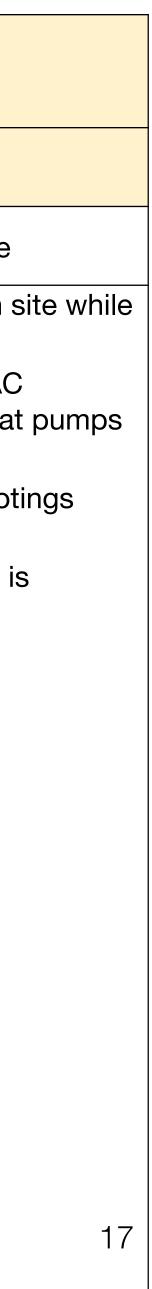
PDP Cost Estimate "Basis of Design" at Fox Hill

	Options 1 and 4 Code Upgrade/Repairs Only 325/640 students	Option 2 and 5 Addition/Renovation 325/640 students	Option 3 and 6 Demo/New Constn 340/640 Students
	64,400 GSF	101,400 GSF/156,000 GSF	91,000 GSF/ 155,000 GSF
	Phased occupied construction	School vacated, students relocated to swing space.	New construction on occupied site
Building Scope of Work	 MAAB interior renovations New interior finishes Structural repairs Envelope improvements Upgrade existing electrical system Replace fire alarm system Replace existing unit ventilator system and gas boilers with VRF system. New fire protection system Renovate kitchen space, provide new kitchen equipment <u>Site:</u> General site improvements for MAAB compliance 	 MAAB interior renovations & space mining in existing spaces to remain Structural repair/upgrades for existing building areas that remain New interior finishes New 3-stop elevator Envelope Improvements Replace fire alarm system New switch gear, feeders; new generator Upgrade existing tech cabling Replace HVAC system gas fired HVAC system w/ chilled beams. <u>Alternate pricing</u> for geothermal wells. New fire protection system Renovate and expand kitchen, provide new kitchen equipment <u>Demolition</u>: Modulars Abate existing school, selective demolition <u>Addition</u>: New cafetorium, kitchen, stage classrooms & mechanical space <u>Site:</u> Improvements for MAAB compliance New playgrounds, fields, site lighting, stormwater system 	Construction of new three story (or two story) structure on site while existing school remains operational. • HVAC System: Gas heating with electric AC <u>Provide Alternate pricing</u> Ground source heat with geothermal wells • New foundations: Conventional spread footi <u>Demolition:</u> • Modulars • Abate existing school, selective demolition <u>Site:</u> Sitework to be completed after demolition.

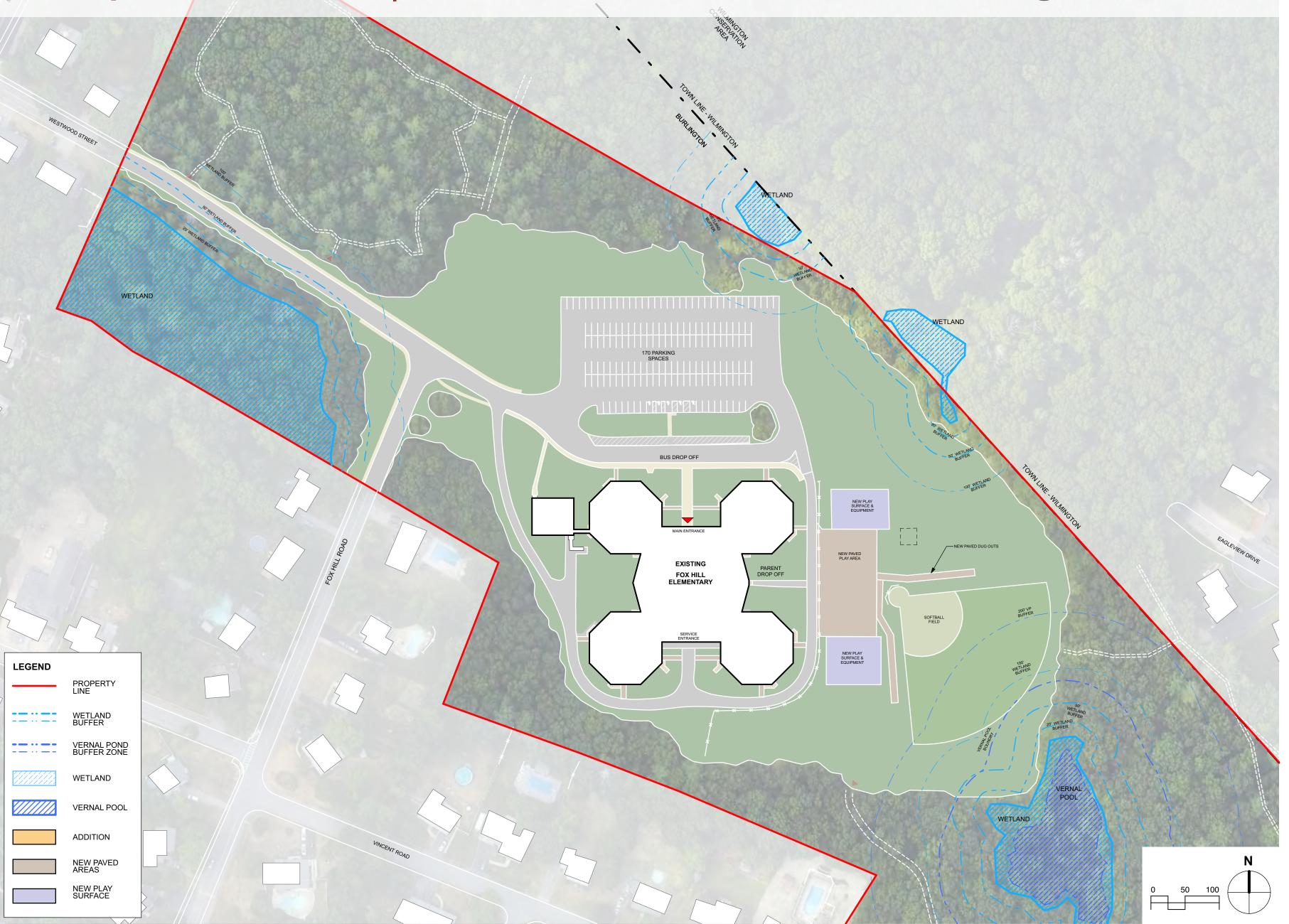


PDP Cost Estimate "Basis of Design" at Pine Glen

	Option 7 Addition/Renovation 640 students	Option 8 Demo/New Constn 640 Students	Option 9 (Non-MSBA) Demo/New Constn 325 Students
	164,400 GSF (Reno: 40,000 SF , Addition: 124,400 SF)	155,000 GSF	83,000 GSF
	School occupied during construction. Demo and renovation to occur after move into new wing.	New construction on occupied site	New construction on occupied site
Building Scope of Work	 MAAB interior renovations & space mining in existing spaces to remain Structural repair/upgrades for existing building areas that remain New interior finishes New 5-stop elevator, due to existing split level layout. Envelope Improvements Replace fire alarm system New switch gear, feeders; new generator Upgrade existing tech cabling Replace HVAC system gas heating with electric AC (chilled beams) New fire protection system Renovate and expand kitchen, provide new kitchen equipment Demolition: Abate existing school, selective demolition Addition: New cafetorium, kitchen, stage classrooms & mechanical space Site: 	Construction of new three story structure on site while existing school remains operational. • HVAC System: Gas heating with electric AC <u>Provide Alternate pricing:</u> Ground source heat pumps with geothermal wells • New foundations: Conventional spread footings <u>Demolition:</u> • Existing school building when new school is completed <u>Site:</u> Sitework to be completed after demolition	Construction of new three story structure on si existing school remains operational. • HVAC System: Gas heating with electric AC <u>Provide Alternate pricing:</u> Ground source heat with geothermal wells • New foundations: Conventional spread footin <u>Demolition:</u> • Existing school building when new school is completed <u>Site:</u> Sitework to be completed after demolition
	•		



Option 1 & 4 | Fox Hill Repairs/Code Upgrades (325/640 students)

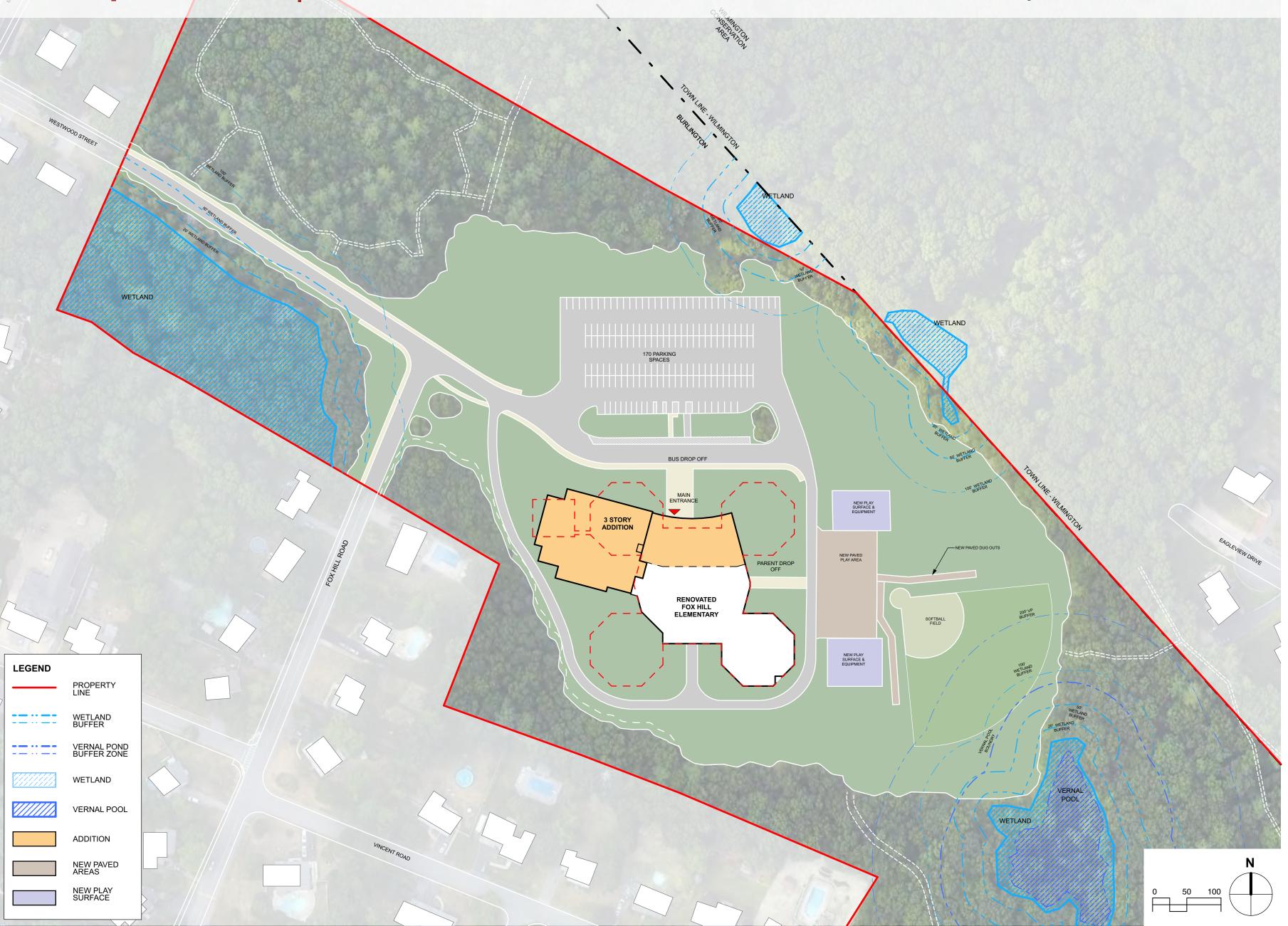


- Existing single story building 64,400 GSF to remain
- Phased occupied construction for repairs/code upgrades
- Upgrades include improvements for:
 - life-safety
 - building code compliance
 - accessibility compliance
 - mechanical, electrical, plumbing and fire protection systems replacement/installation
 - envelope replacement
- Does not meet educational program
- Pine Glen remains as is



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Option 2 | Fox Hill Addition/Renovation (325 students) | Conceptual

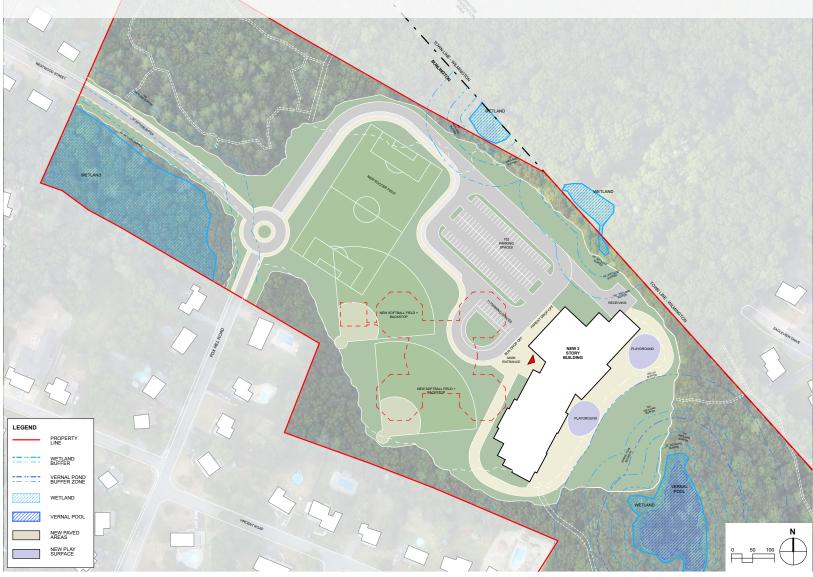


- Existing building to be partially demolished
- Proposed three story addition
- Requires building to be vacated for addition/renovation
- Meets educational program
- Pine Glen remains as is





Option 3 Fox Hill New Construction (325 students) Conceptual



Two-story building on eastern part of the Fox Hill site



Two-story building on northern part of the Fox Hill site





Three-story building on eastern part of the Fox Hill site

Three-story building on northern part of the Fox Hill site

- Proposed building 91,000 GSF
- Existing school remains operational during construction
- Existing building to be demolished after new building is complete
- Meets educational program
- Pine Glen remains as is

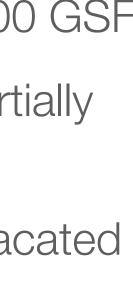




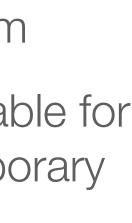
Option 5 Fox Hill Addition/Renovation (640 students) Conceptual



- Proposed building 156,000 GSF
- Existing building to be partially demolished
- Requires building to be vacated for addition/renovation
- 25,000 GSF of existing building to be renovated, 131,000 GSF 3-story building addition
- Meets educational program
- Pine Glen becomes available for alternative use such temporary student space during HS construction project, BECC, other

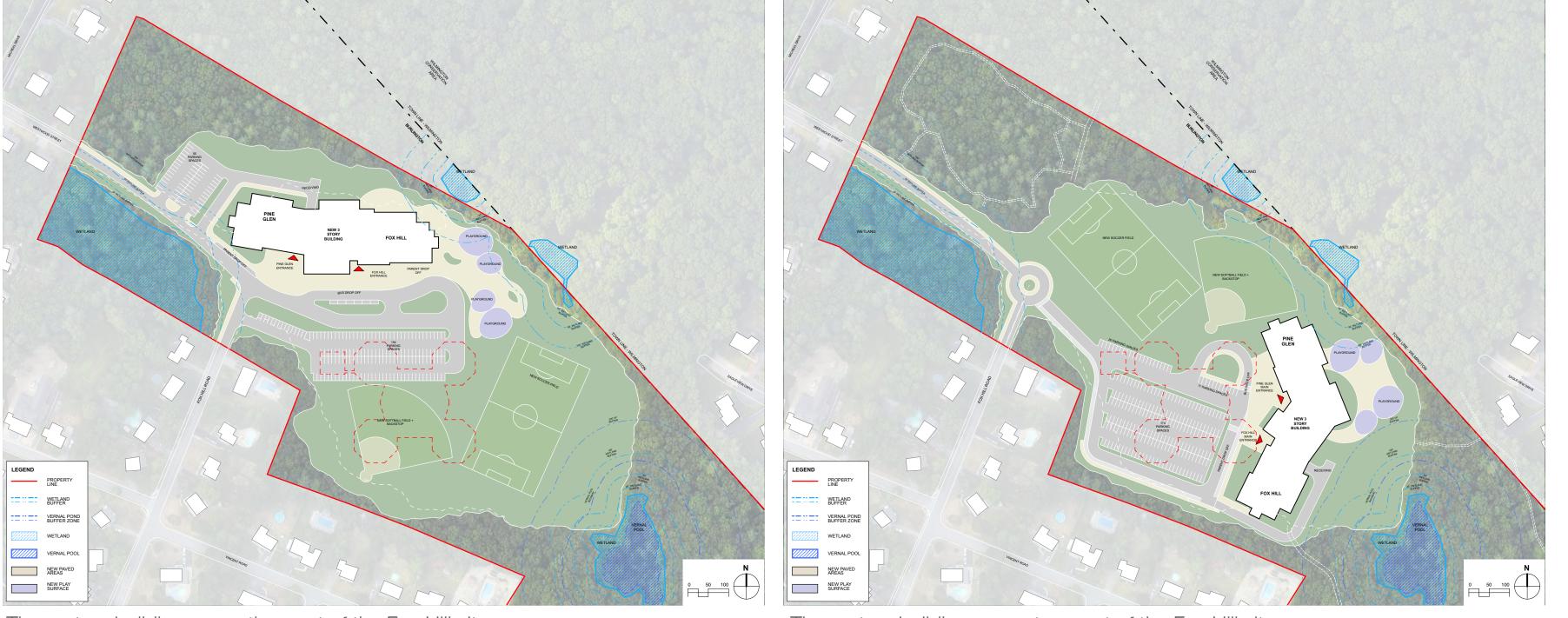






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Option 6 | Fox Hill New Construction (640 students) | Conceptual



Three-story building on norther part of the Fox Hill site

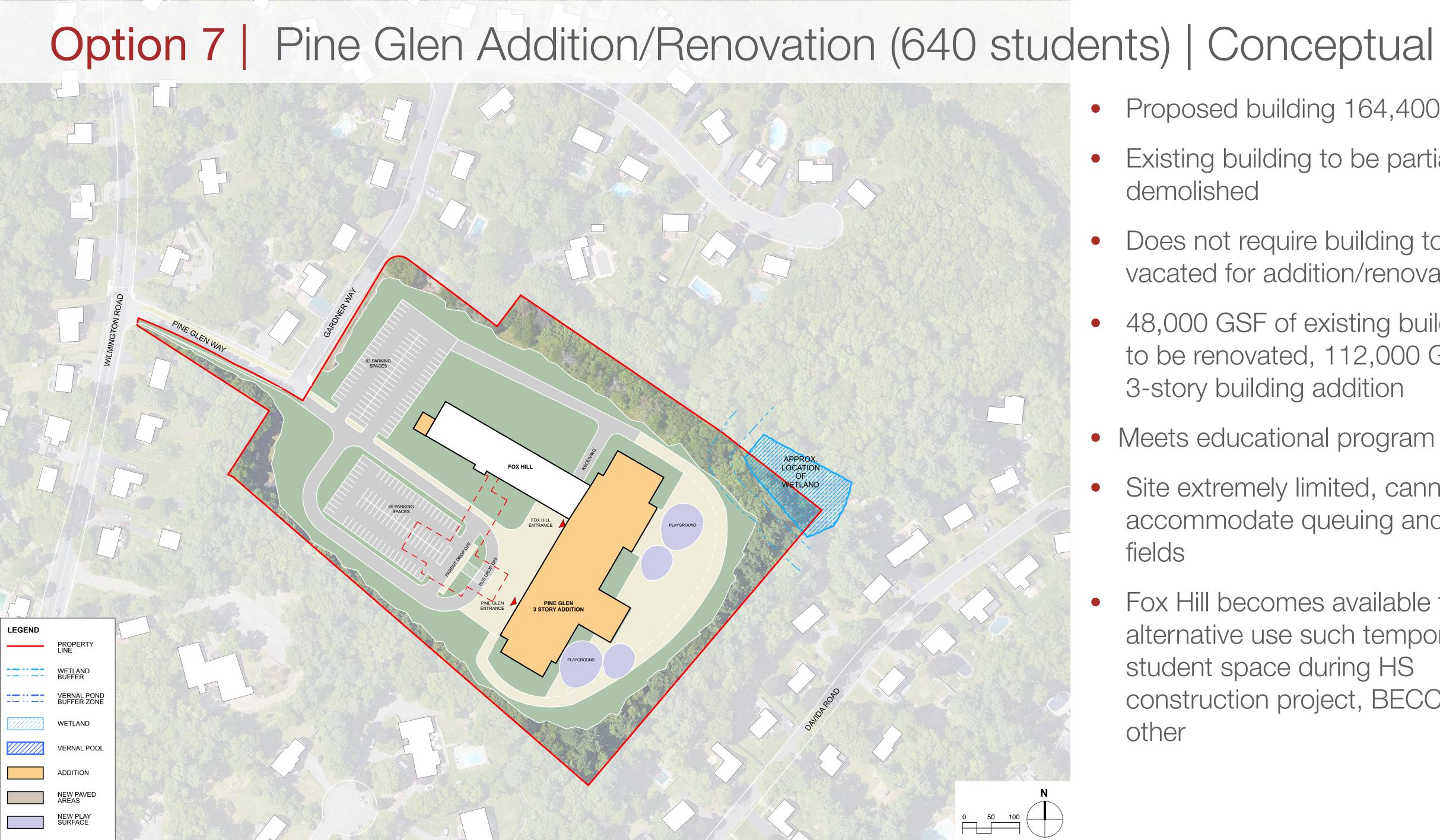
Three-story building on eastern part of the Fox Hill site



- Proposed 3-story building 155,000 GSF
- Existing school remains operational during construction
- Existing building to be demolished after new building is complete
- Meets educational program
- Pine Glen becomes available for alternative use such temporary student space during HS construction project, BECC, other



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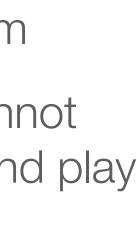


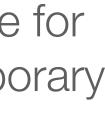
- Proposed building 164,400 GSF
- Existing building to be partially demolished
- Does not require building to be vacated for addition/renovation
- 48,000 GSF of existing building to be renovated, 112,000 GSF 3-story building addition
- Meets educational program
- Site extremely limited, cannot accommodate queuing and play fields
- Fox Hill becomes available for alternative use such temporary student space during HS construction project, BECC, other











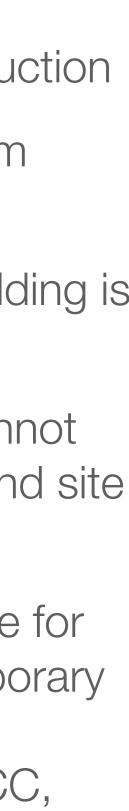




Option 8 Pine Glen New Construction (640 students) Conceptual 155,000 GSF Existing building to be complete LOCATIO PINE GLEN amenities NEW 3 STORY BUILDING FOX HILL LEGEND other BUFFER VERNAL POND BUFFER ZONE -----_ __ . . __ _ WETLAND VERNAL POOL NEW PAVED AREAS Ν NEW PLAY SURFACE



- Proposed 3-story building
- Existing school remains operational during construction
- Meets educational program
- demolished after new building is
- Site extremely limited, cannot accommodate queuing and site
- Fox Hill becomes available for alternative use such temporary student space during HS construction project, BECC,

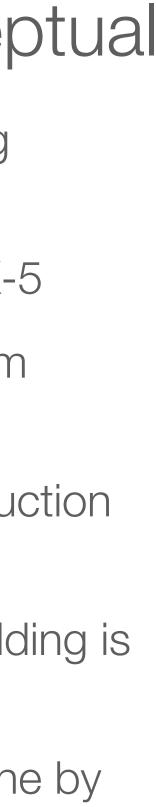




Future | Pine Glen New Construction (325 students) - Non MSBA | Conceptual



- Proposed 3-story building 83,000 GSF
- 3 classroom per grade, K-5
- Meets educational program
- Existing school remains operational during construction
- Existing building to be demolished after new building is complete
- Cost of project solely borne by Town of Burlington





Preliminary Criteria Matrix Update Internet Students to move in to new School 2028 and Criteria

									2 Optimizes configuration and adjacency of teaching spaces								
Fox Hill Elementary School - Burlington, MA							Options and F	Evaluation Matriv	ix For Hill Elementary School - Burlington, MA							Options and	d Evaluation Matr
	•	Favorable	\odot)	Neutral		0	Unfavorable	 5 Provides flexibility for future growth 6 Provides flexibility for fluctuation of grade cohort sizes 7 Allow for finite levels and the state levels of the sta	•	Favorable	۲		Neutral		0	Unfavorable
				Proposed	d Concepts				 7 Allows for efficient program design layout 8 Minimizes school disruption 	Proposed Concepts							
Evaluation criteria based upon priorities	Option 1 Fox Hill School Only (325 Students) Code Upgrades	Only (325 Students)	Only s) (325 Students)	Site	Site) (640 Students)	Site 6) (640 Students)	School Site	Option 8 Pine Glen School Site (640 Students)	 Allows for a contextually sensitive design Evaluation criteria based upon priorities Allows efficient attainment of Green School/Stretch Code requirements Optimizes use of natural light and daylighting Optimizes connection of outdoor/indoor space, integration with site 	Option 1 Fox Hill School Only (325 Students) Code Upgrades	Only (325 Students)	Only (325 Students)	Option 4 Fox Hill School Site (640 Students) Code Upgrades +	Site (640 Students)	Site	School Site	ts) (640 Students
	+ Repairs no addition	Addition	new construction	Repairs	addition	new construction	addition	new construction	5 Meets ADA requirements efficiently	+ Repairs no addition	Addition	new construction	Repairs no addition	addition	new construction	addition	new construction
Concept Facts									Site								
1 Size of site (acres)	37.90 ac	37.90 ac	37.90 ac	37.90 ac	37.90 ac	37.90 ac	11.80 ac.	11.80 ac.	1 Sylzex ionisistes (afficies) tutilization of site	37.90 ac	37.90 ac	37.90 ac	37.90 ac	37.90 ac	37.90 ac	11.80 ac.	11.80 ac.
2 Usable size of site (acres)	17.90 ac	17.90 ac	17.90 ac	17.90 ac	17.90 ac	17.90 ac	9.6 ac.	9.6 ac.	2 Produces and the training (sources) for Town recreation	17.90 ac	17.90 ac	17.90 ac	17.90 ac	17.90 ac	17.90 ac	9.6 ac.	9.6 ac.
3 Site environmental (wetlands, etc)	20.00 ac	20.00 ac	20.00 ac	20.00 ac	20.00 ac	20.00 ac	2.20 ac	2.20 ac	3 Sitatin Rizes of the stand s	20.00 ac	20.00 ac	20.00 ac	20.00 ac	20.00 ac	20.00 ac	2.20 ac	2.20 ac
4 Classroom count	18	18	18	18	36	36	36	36	4 6 Bansi 2005 Sautyt and efficiency of on site drop off	18	18	18	18	36	36	36	36
5 Building gross square feet (GSF)	64,400 SF	100,000 SF	92,000 SF	64,400 SF	160,000 SF	152,000 SF	160,000 SF	152,000 SF	5 Building gross square feet (CSF) Separates sale cluster of bus, vehicle, pedestrian and bike access	64,400 SF	100,000 SF	92,000 SF	64,400 SF	160,000 SF	152,000 SF	160,000 SF	152,000 SF
6 Net Zero Capability		'			'	·	,, '		6 Pet Zero Capability Provides sufficient parking for teachers, staff + visitors	Τ		· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , ,		
Equity to Other Elementary Schools									7 Improves off site traffic impact	Τ		· · · · · · · · · · · · · · · · · · ·			, , , , , , , , , , , , , , , , , , ,		
1 Equity between Fox Hill and Pine Glen		'			· · · · · · · · · · · · · · · · · · ·		, ,		8 Frapityvestpredestroan tillaartof Rinde adleess			, ,			, ,		
2 Equity among all elementary schools		·,			·,	· · · · · · · · · · · · · · · · · · ·	· ,		9 Altpuits annoutgrad externa estany schools						,	<u> </u>	
Cost and Schedule									Sustainability								
1 Project Cost, \$million		1			1				1 Exgedif Gasht Shailie / maintenance costs	T							
2 Cost to the Town	+	+	+	+	+	+	+	1	2 Sites tegithee Treents	+	+	+	+	+	†	+	+
3 District's annual operating expenses	+		+	+	+	+	+	+	3 Disstrict's annual operating expenses	+	+	+	+	+	+	+	+
4 Allows students to move in to new school 2028	+		+		,	· +'	· +'	+	4 Appingizes contact (BVhopp or tunities school 2028	1	+	1	1	+	1	1	+
5 Requires swing space	+	·	+	+	·'	· +'	· +'	+	5 风地词题 S S S S S S S S S S S S S S S S S S S	1	+	1	1	+	1	1	+
Educational		· · · · · · · · · · · · · · · · · · ·			·		· · · · · · · · · · · · · · · · · · ·		6 Achieves Town goal for fossil free building HVAC systems	1	+	1	1	+	1	1	+
										1		1	<u> </u>		t	1	
1 Meets educational program for all students + design enrollment		·'			'	· ·	'		7 Optimizes building orientation 1 Meets educational program for all students + design enrollment 8 Allows efficient attainment of Green School/Stretch Code requirements	1		1			ſ,	1	
1 Size of spaces		'			'	· '	'		 <u>1 Size of spaces</u> 9 Optimizes building envelope thermal performance 						,		
2 Optimizes configuration and adjacency of teaching spaces		'			'	· '	'		Construction impacts / cost								
3 Educational program flexibility		'			'	· '	'		1 Building construction cost 4 Provides outdoor learning opportunities	1							
4 Provides outdoor learning opportunities		'			'	·	, ,		- 2 Isite construction cost	+	+	· + · · · · · · · · · · · · · · · · · ·	+	+	· † · · · · · · · · · · · · · · · · · ·	+	+
5 Provides flexibility for future growth		'			'	·	'		2 Site construction cost 5 Provides flexibility for future growth 3 Construction Duration impact.	+	+	· + · · · · · · · · · · · · · · · · · ·	+	+	· +'	+	+
6 Provides flexibility for fluctuation of grade cohort sizes		'			'	·	'	_ _	3 Construction Duration impact 6 Provides flexibility for fluctuation of grade cohort sizes 4 School disruption impacts	+	+	· + · · · · · · · · · · · · · · · · · ·	+	+	· +'	+	+
7 Allows for efficient program design layout		'			'	·	'	_ _	4 School disruption impacts 7 Allows for efficient program design layout 5 Construction impacts on abutters	+	+	· + · · · · · · · · · · · · · · · · · ·	+	+	· +'	+	+
8 Minimizes school disruption		'			'	·	,		5 Construction impacts on abutters Operational costs								
Building																	
1 Allows for a contextually sensitive design		· · · · · · · · · · · · · · · · · · ·			ſ'		· · · · · · · · · · · · · · · · · · ·		1 Life Cycle Cost Analysis (LCCA)	_		· + '	+				
2 Allows efficient attainment of Green School/Stretch Code requirements		· ,			· ,		,		2 Annual Operating Cost 2 Annual Operating Cost attainment of Green School/Stretch Code requirements			· '			·		
3 Optimizes use of natural light and daylighting		· ,			· ,		,		3 6891 fores clare as it at later in the operating const (annual)			··			·		
4 Optimizes connection of outdoor/indoor space, integration with site		· · · · · · · · · · · · · · · · · · ·			· ,	· · · · · · · · · · · · · · · · · · ·	· [,		Community								
5 Meets ADA requirements efficiently		' '			· '		· · · · · · · · · · · · · · · · · · ·		5 Prests & Daddettiguinadroenteneffityiéaddhool asset					_			
6 Addresses all outdated elementary schools		'			'		,		6 Addresses all outdated elementary schools								T
																	l l l l l l l l l l l l l l l l l l l

1 Maximizes efficient utilization of site

2 Provides additional space for Town recreation

3 Optimizes outdoor program space and green space

4 Optimizes safety and efficiency of on site drop off

5 Separates safe circulation of bus, vehicle, pedestrian and bike access

6 Provides sufficient parking for teachers, staff + visitors

7 Improves off site traffic impact

8 Improves pedestrian safety and access

9 Allows for future expansion

1 Ease of maintenance / maintenance costs DESIGN

2 Site requirements

3 Cost

1 Project Cost, \$million

- 2 Cost to the Town
- 3 District's annual operating expenses

1 Meets educational program for all students + design enrollment

- 1 Size of spaces
- 2 Optimizes configuration and adjacency of teaching spaces

- 1 Maximizes efficient utilization of site
- 2 Provides additional space for Town recreation
- 3 Optimizes outdoor program space and green space
- 4 Optimizes safety and efficiency of on site drop off
- 5 Separates safe circulation of bus, vehicle, pedestrian and bike access
- 6 Provides sufficient parking for teachers, staff + visitors
- 7 Improves off site traffic impact
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- 1 Ease of maintenance / maintenance costs
- 2 Site requirements
- 3 Cost









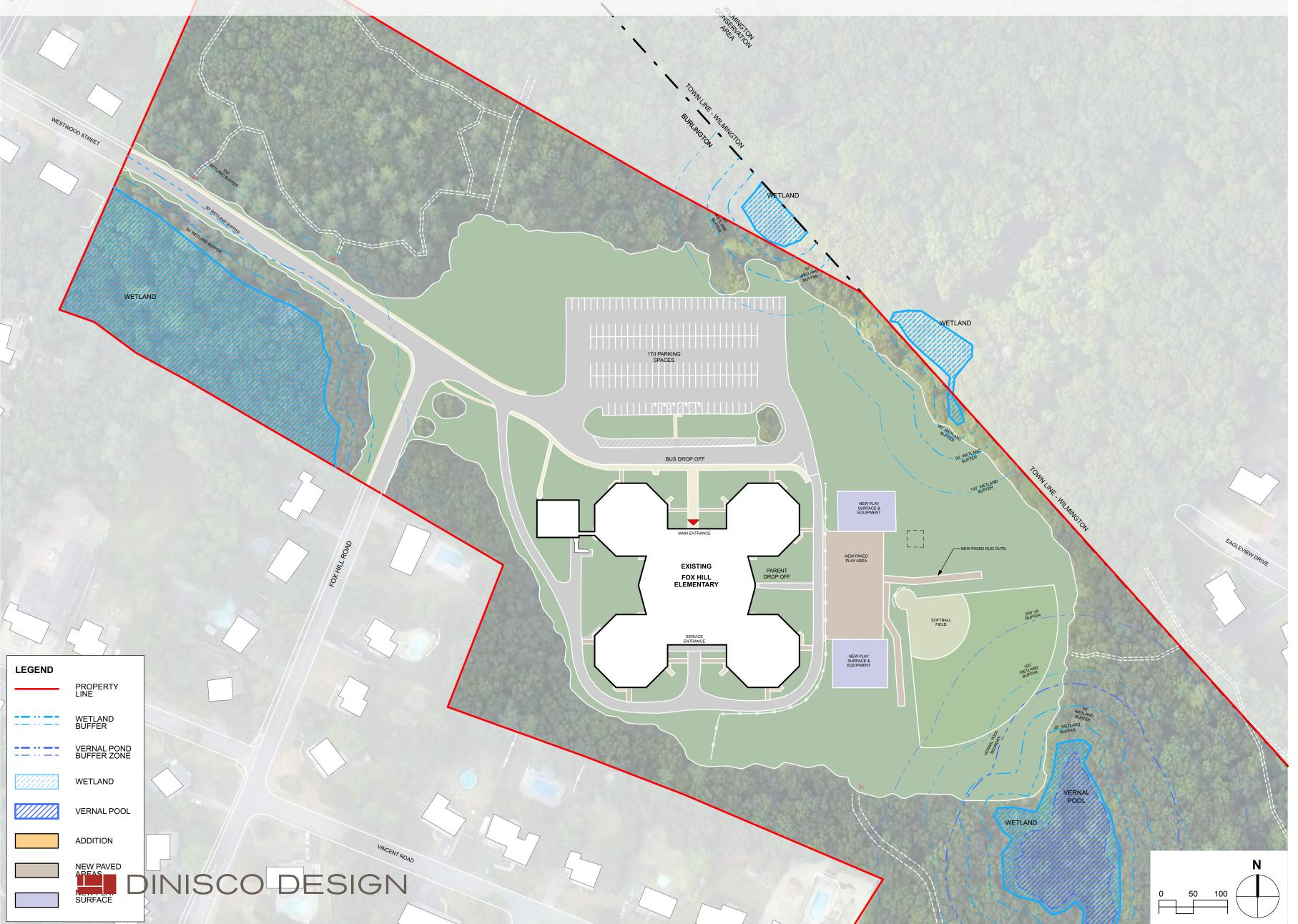


School Building Committee Meeting

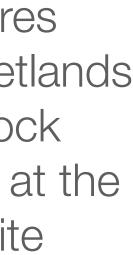
BURLINGTON ELEMENTARY SCHOOL Burlington, MA

> June 20, 2023 © 2023 DiNisco Design, Inc.

Existing Conditions | Fox Hill School Site

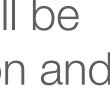


- 37.9 Acre site 17.9 acres usable area, limited by wetlands and vernal pool. Some rock outcroppings are located at the southeast corner of the site (south of existing school)
- 64,400 GSF existing building
- Relatively high ground water in select areas of the site
- Rock removal may be required
- ANRAD (Abbreviated Notice of Resource Area Delineation) filings and conservation commission approvals will be required in both Burlington and Wilmington









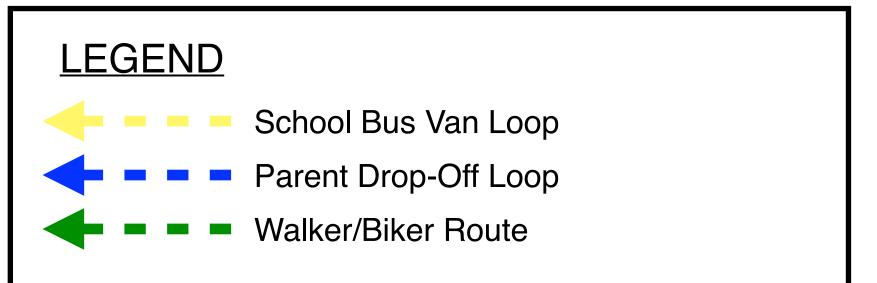


Existing Conditions | Fox Hill Traffic Study - Arrival





- Parents drop off at loop road surrounding the school on the south side - there were no cars observed to be queuing beyond the loop at arrival times
- Parent drop off positions the driver side adjacent to the building entrance. It is preferable to have the passenger side of the vehicle adjacent to the building entrance
- There are no accessible sidewalk ramps on north side of crosswalk between Westwood Street and Fox Hill Road
- Accessible sidewalk ramps at intersections do not have detectable warning plates
- Signing and striping at multiple locations are faded and difficult to read/illegible
- Signage requires updating



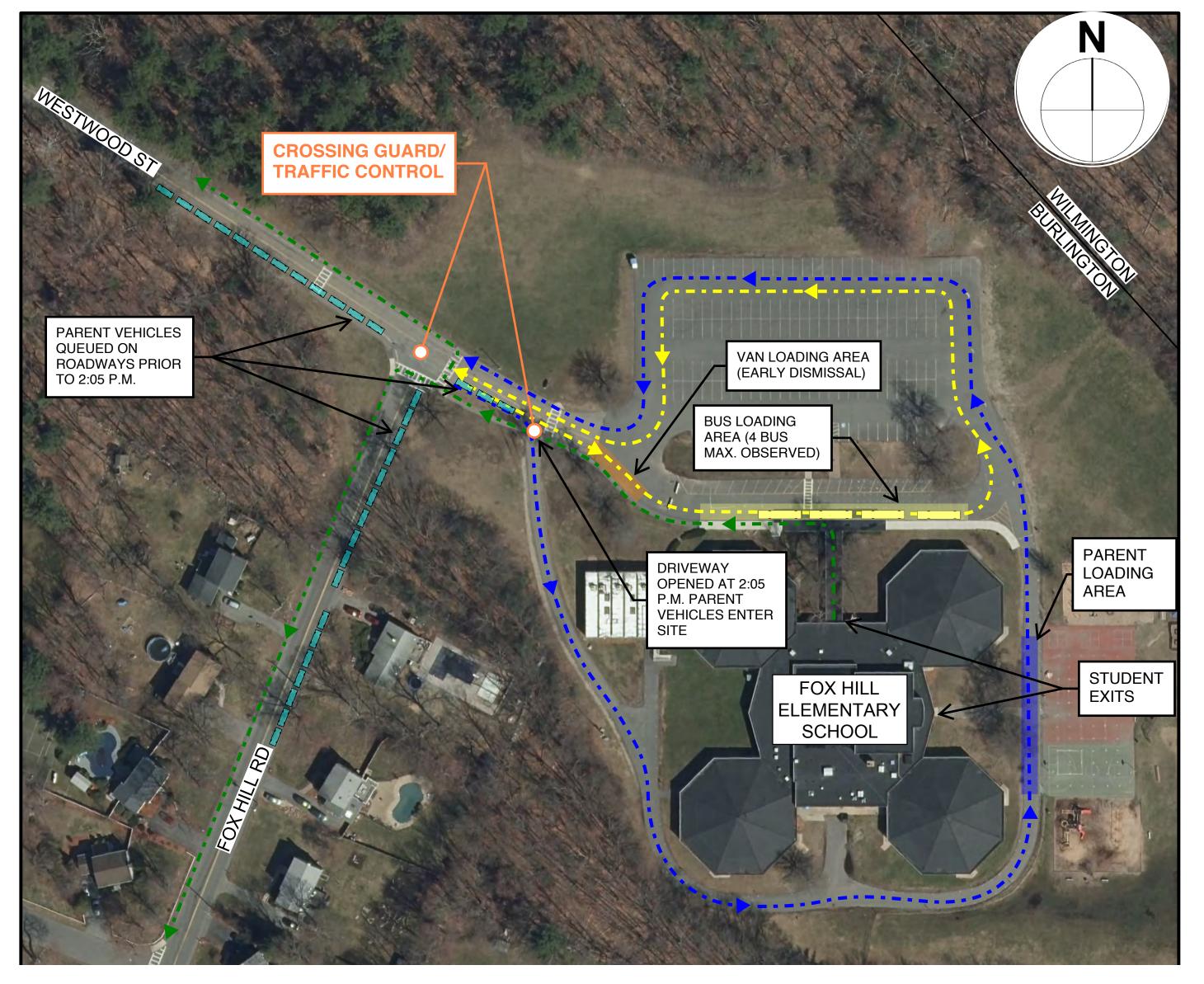






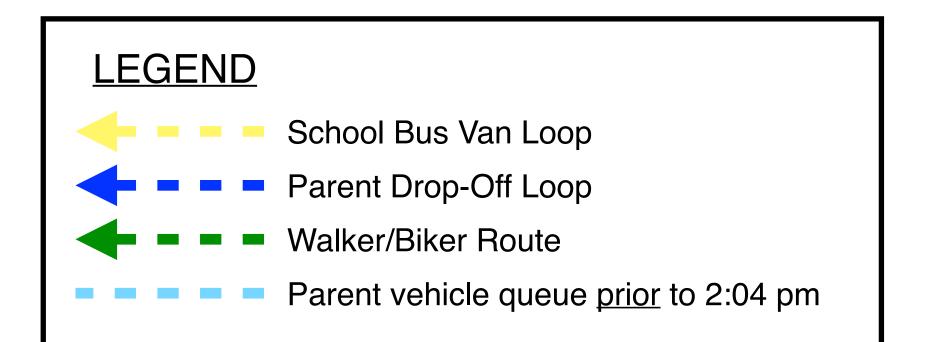


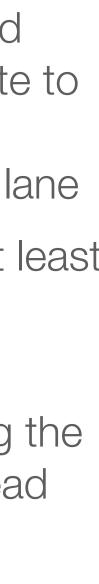
Existing Conditions | Fox Hill Traffic Study - Dismissal





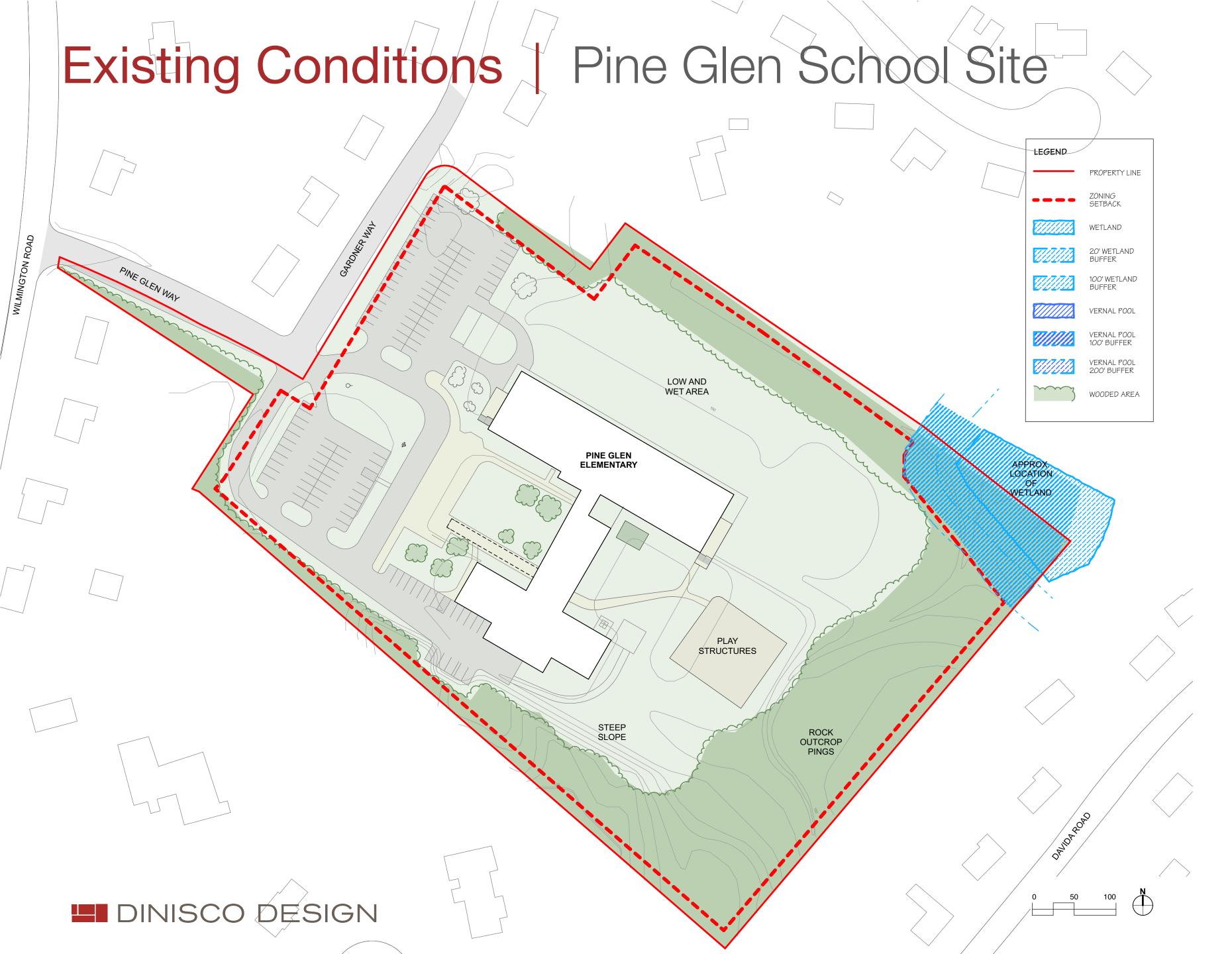
- Vehicle queues were observed along Westwood Street and Fox Hill Road prior to opening of gate to the drop off /pick up loop. Neither road has shoulders to allow vehicles to pull off the travel lane
- Parents were observed arriving at the school at least 30 minutes before dismissal
- The gate (chain) is typically not opened until 5 minutes prior to dismissal so that children using the playground can safely cross the driveway to head back to the school
- Once the gate was opened, parent queuing did not extend beyond the drop off/pick up loop





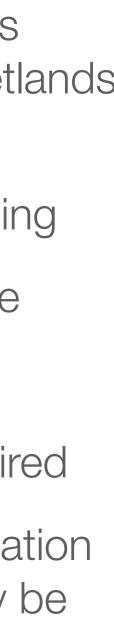






- 11.8 Acre site 9.6 acres usable area, limited by wetlands and rock outcroppings
- 58,000 GSF existing building
- Presumed high water table
- Poorly draining soils
- Rock removal will be required
- ANRAD filing and conservation commission approval may be required

* No formal investigations performed. Based upon visual observations only







- 1. Call to Order & Intro
- 2. Approval of May 30th, 2023 Meeting Minutes
- 3. Working Group Update
- 4. Review of Educational Program & Space Summary
- 5. Criteria Matrix Review
- 6. Design Concepts Review
- 7. Upcoming Milestones/Dates
- 8. Other Topics not Reasonably Anticipated48 hours prior to the meeting
- 9. Public Comment

- 10. Next meetings
- 11. Adjourn

Invoices for Approval

- Dore + Whittier Invoice No. 08 in the amount \$30,062.50 (Vote)
- DiNisco Invoice No. 9817 in the amount of \$29,545.00 (Vote)
- DiNisco Invoice No. 9818 for Existing Conditions Survey in the amount of \$39,934.08 (Vote)
- DiNisco Invoice No. 9819 for Wetlands/ANRAD in the amount of \$445.50 (Vote)

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Next Meetings

•June 26th, 2023 School Committee Meeting @ 7:00pm (approve educational program and space summary)

- June 28th 2023 School Building Committee @6:00pm (Review Cost Estimates)
 July 11th, 2023 Community Meeting No. 2 @ 7:00pm (update on concepts, criteria and options)
- •July 13th, 2023 School Building Committee Meeting @6:00pm (Approve PDP and submit to MSBA)

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Cost Effective ctive Thoughtful LOJ Collaborative Detailed Committed Creative Experienced