



smma

SBC Meeting

08/05/2024

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DODGE  
SCHWABER



# Lexington High School

## School Building Committee Meeting

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SBC Meeting

08/05/2024

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DODGE  
SCHWABER



1. Call to Order
2. Vote Previous Meeting Minutes 12:00 - 12:05 p.m.
  - July 22<sup>nd</sup>, 2024
3. Discussion with Estimator 12:05 – 12:30 p.m.
4. Discuss PSR IDP/LEED Scorecard Criteria 12:30 – 12:45 p.m.
5. Introduce Parking Quantity and Location, Driveways & Circulation, and Current Use & Anticipated Impacts of Fields 12:45 – 1:30 p.m.
6. Review August 14<sup>th</sup> Community Meeting 1:30 – 1:45 p.m.
7. Public Comment 1:45 – 1:55 p.m.
8. Reflections/Action Items 1:55 – 2:00 p.m.
9. Adjourn – 2:00 p.m.

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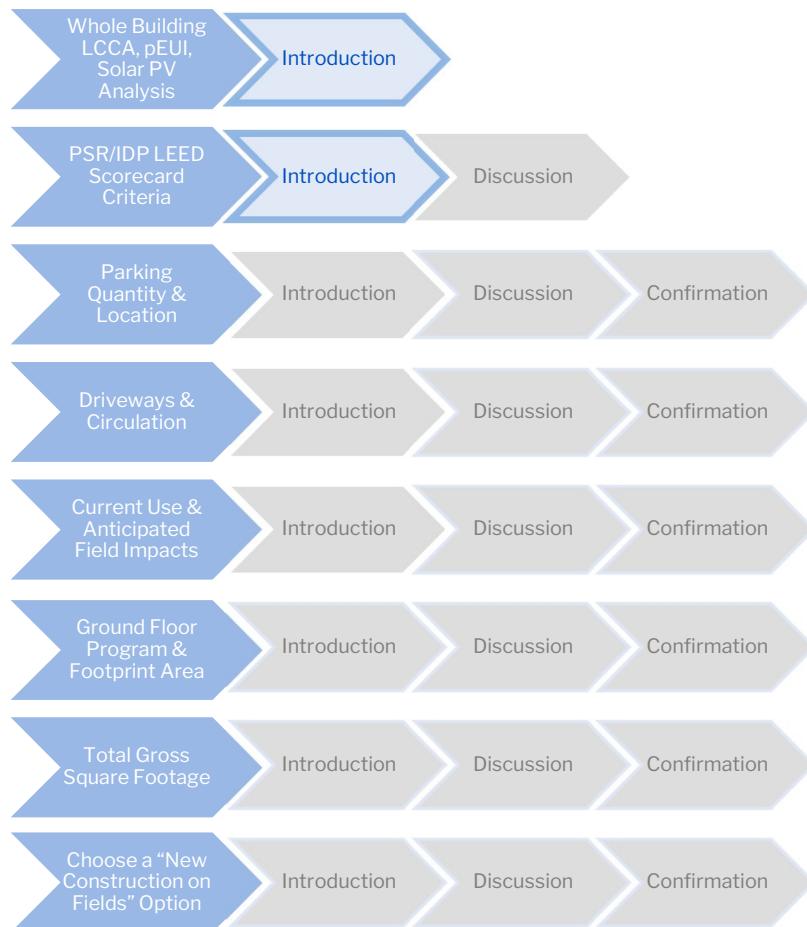
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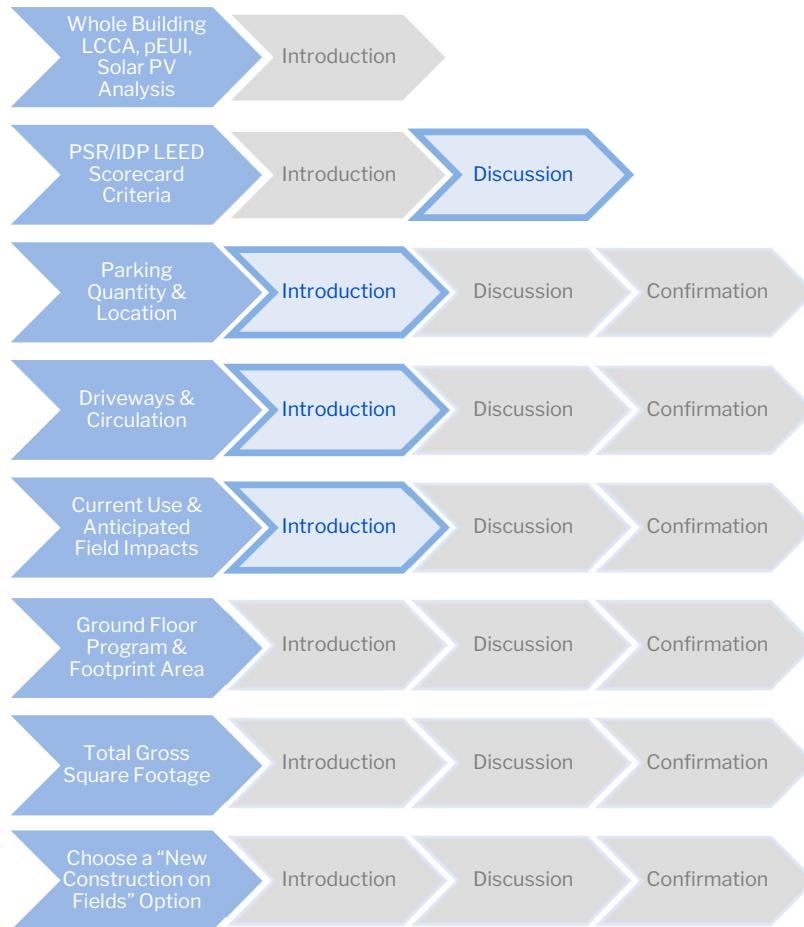
# PSR Decision Progress Update

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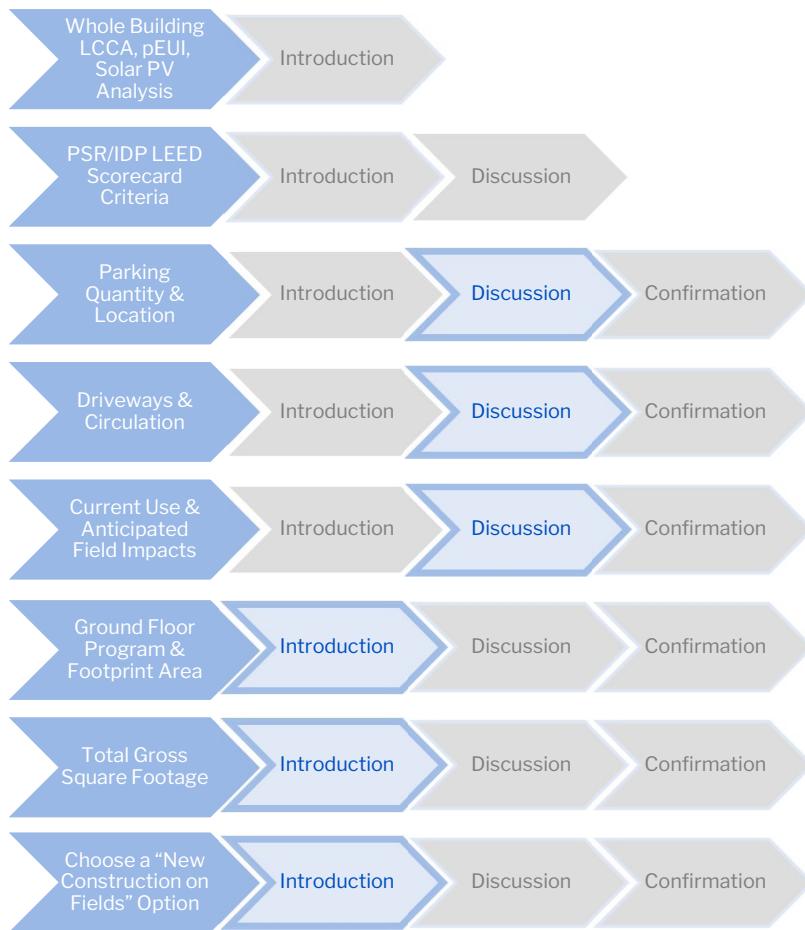
## Progress Update/ 7.22 SBC Meeting



## Progress Update/ 8.05 SBC Meeting



## Progress Update/ 8.19 SBC Meeting



# Discussion: PSR IPD/LEED Scorecard Criteria

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## **PSR IDP/LEED Scorecard Criteria**

### **Overview**

- Project is already registered with USGBC (Feb 2024) – LEEDv4
  - Project will be LEEDv4 Gold Certified (voted by SBC on Sept 2023), with a goal for LEEDv4 Platinum
  - Preliminary Life Cycle Cost Analysis (LCCA) – July 2024
- 
- Gold = 66 points (56 points to be submitted)
  - Platinum = 80 points (84-86 points to be submitted)
  - Current tracking = 81 points

## PSR IDP/LEED Scorecard Criteria

LEGEND	
●	Design Credit
●	Construction Credit
●	Owner Credit
●	LEX IDP Req.
●	LEX IDP-LEED Req.

## Lexington IDP/LEEDv4 Tracking

Lexington Integ. Design Policy	MSBA Green Policy Mandated	Scorecard Tracking (DRAFT)											Decision Milestones (DRAFT)					LEXINGTON INTEGRATED DESIGN POLICY	
		Scorecard Tracking (DRAFT)			Credit Type	PDP	PSR	SD	DD	Comments	Additional Decision Milestones (DRAFT)						Comments		
		Yes	TBD (?)	No							Comments		Comments		Comments		Comments		
LEX IDP Req					LEED version Options: V4 or V4.1 (TBD - LEED v5 - launch date late 2024 early 2025)					●			Registered February 2024					Lexington IDP is LEEDv4 (allows for "a la carte v4.1 credits)	
LEX IDP Req		-			LEX_1 Resilience					●								SBC confirmed Building Resiliency Level: - Level 3 for the building and Level 2 for Fieldhouse/Gym.	
		1		Credit	Integrative Process	1	●						Tracking Design Strategies Documentation No Decision Milestone						
		6	5	19	Location and Transportation	15													
				15	Credit	LEED for Neighborhood Development Location	15												
			1		Credit	Sensitive Land Protection	1	●					Existing Site - Documentation for LEED No Decision Milestone						
		1		1	Credit	High Priority Site	2	●					Existing Site - Documentation for LEED No Decision Milestone						
		2	2	1	Credit	Surrounding Density and Diverse Uses	5	●					Existing Site - Documentation for LEED No Decision Milestone						
		1	1	2	Credit	Access to Quality Transit	4	●					Existing Site - Documentation for LEED No Decision Milestone						
		1			Credit	Bicycle Facilities	1	●					Existing Site - Documentation for LEED No Decision Milestone						
			1		Credit	Reduced Parking Footprint	1	●		●			Required for LEED Platinum Decision on total parking % reduction vs. zoning	Reduced parking below zoning by 40%- . Reduced parking will positively impact the Heat Island Reduction IDP requirement.					
		1			Credit	Green Vehicles - 2% of spaces/occupants	1	●		●			Required for LEED Gold (2% of spaces with installed stations) Required by Stretch Code (Readiness for 10% of spaces)	SBC confirmed EV charging. Lexington Town Policy applies 4% (18 spaces) installed and 50% readiness (225 spaces). Potential exemplary performance.					

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		Yes	TBD (?)	No						Comments	Comments	Comments	Comments	Comments	Comments	Comments	Comments	
		8	5	0	Sustainable Sites	12												
		Y			Prereq	Construction Activity Pollution Prevention	Required	●										
		Y			Prereq	Environmental Site Assessment	Required	●										
		1			Credit	Site Assessment	1	●					Existing Site - Documentation for LEED No Decision Milestone					
LEX IDP Req			2		Credit &	Site Development - Protect or Restore Habitat	2	●					Existing Site - Documentation for LEED Pending on preferred design options analysis No Decision Milestone					
			1		Credit	Open Space	1	●					Existing Site - Documentation for LEED Pending on preferred design options analysis No Decision Milestone					
		3	1		Credit	Rainwater Management	3	●					Required for Gold State regulation compliance					
LEX IDP Req		2			Credit &	Heat Island Reduction	2	●					Light colored/reflective hardscape 1 pt for white roofs 1 pt for light hardscape, tree shading pending on design option, reduced parking,	Light colored roof is a given and necessary for Gold Light hardscape to be optimized (patios, sidewalk, plaza). Parking sizing will impact final results.				
		1			Credit	Light Pollution Reduction	1	●					Existing Site - Documentation and Analysis for LEED Site Design to strive for compliance Location of exterior lighting and analysis					
			1		Credit	Site Master Plan	1	●										
		1			Credit	Joint Use of Facilities	1	●●					Required for Gold - discussion at PSR, Documentation at CD Owner required Documentation for LEED	Gather preliminary planned use at PSR				

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		Yes	TBD (?)	No						Comments			Comments							
		6	2	4	Water Efficiency	12														
		Y			Prereq	Outdoor Water Use Reduction	Required	●					Require - pre-requisite - native plants, drought tolerant							
	●	Y			Prereq	Indoor Water Use Reduction	Required	●					Required by MSBA Standard low-flow fixtures - No Decision Required							
		Y			Prereq	Building-Level Water Metering	Required	●												
		2			Credit	Outdoor Water Use Reduction	2	●		●			Required for Gold No irrigation system for 2 pts. Native plantings for 1 pt.	Discuss and confirm at PSR for no irrigation.						
		3	2	2	Credit	Indoor Water Use Reduction	7	●					Required for Gold (30%) - Standard Low flow fixtures Required for Platinum (40%) - additional strategies							
				2	Credit	Cooling Tower Water Use	2													
	●	1			Credit	Water Metering	1	●					Required for Gold Standard meters - No Decision Required							

## No Irrigation

- Decision for no irrigation to landscape and fields

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						Credit Type	PDP	PSR	SD	DD	Comments		Additional Decision Milestones (DRAFT)						
		Yes	TBD (?)	No															
		30	1	0	Energy and Atmosphere	31													
	●	Y			Prereq Fundamental Commissioning and Verification	Required	● ●		●	●	●	MSBA required and funded Included in PSR and SD scope (Specs) MSBA only hire Cx Agent in DD Must meet MA Stretch Energy Code (C408)	Verify Scope with MSBA to include covering plan review/testing for Demand Response now enforced under LEED Demand Response.						
	●	Y			Prereq Minimum Energy Performance	Required	●					MSBA requires Minimum Stretch Code (Standard) Specialized Code: MSBA Policy offers Specialized Stretch Code (additional 3% reimbursement from MSBA)	SBC confirmed EUI target < 25 and NZE 9/14/2023						
		Y			Prereq Building-Level Energy Metering	Required	●					Standard meters - No Decision Required							
		Y			Prereq Fundamental Refrigerant Management	Required	●					Design specifications and documentation - no decision required							
LEX IDP-LEED Req.	●	6			Credit Enhanced Commissioning	6	● ●					MSBA required and funded - MEP, BE Cx and On Going Cx (6 pts) Required for Gold Included in PSR and SD scope (Specs) MSBA only hire Cx Agent in DD	Verify Scope with MSBA to include covering plan review/testing for Demand Response now enforced under LEED Demand Response.						
LEX IDP-LEED Req.	●	16			Credit Optimize Energy Performance	16	●			●		Required for Gold MSBA requires compliance to Stretch Code minimum All-electric heating and cooling supports attaining 16 pts EACP pilot 95 for possible additional point	SBC confirmed EUI target < 25 and NZE All-electric heating and cooling system confirmed- Specialized Stretch Code Pathway (HVAC system to be selected in SD) Preliminary 75 yrs. LCCA in PSR - 1 to 2 yrs. Payback WITH incentives						

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		Scorecard Tracking (DRAFT)				Credit Type	PDP	PSR	SD	DD	Comments	Additional Decision Milestones (DRAFT)						
		Yes	TBD (?)	No								Comments					Comments	
LEX IDP-LEED Req.		1			Credit	Advanced Energy Metering	1	●			●	Required for Gold LEED v4 requires 3 yrs of data storage - automatically meets Lexington IDP 2 yrs requirement		Lexington requires for 2 years energy meter data storage (contributes to LEED v4/v4.1). System approach and design to be discussed with FM dptmt.				
LEX IDP-LEED Req.		2			Credit	Demand Response	2	●		●	●	1 point required for Gold (+1 point for Platinum) Decision for engaging with Demand Response Program with Utility - PSR/SD		Pending MSBA Cx scope. Include in CX scope upon hiring the Cx in DD (per MSBA)				
LEX IDP-LEED Req.		3			Credit	Renewable Energy Production - v4.1 Green Power Credit up to 5 pts	3	●	●	●		Pending Solar PV System Size and Ownership - project may qualify under this credit of the Green Power credit		Lexington requires minimum 10% and maximize onsite renewables. LEED v4.1 Green Power = 20% Renewable Energy Project targeting NZE and 100% renewable energy. Decision: confirm Solar PV approach in SD (or prior) : Ownership.				
		1			Credit	Enhanced Refrigerant Management	1	●		●		Pending final HVAC system						
		2			Credit	Green Power and Carbon Offsets - v4.1 Green Power Credit up to 5 pts.	2	●	●	●		Pending Solar PV Size and Ownership (PPA) - project may qualify under this credit of the Renewable Energy Production		Lexington requires minimum 10% and maximize onsite renewables. LEED v4.1 Green Power = 20% Renewable Energy Project targeting NZE and 100% renewable energy Decision: confirm Solar PV approach: Ownership or PPA by end of SD (or prior)				
LEX IDP Req		-			LEX_2	Utilize energy storage when cost effective to lower peak demand charges and integrate with onsite solar. Evaluate and report on options for campus micro-grids.			●					SBC confirmed battery storage.				
LEX IDP Req		-			LEX_3	Evaluate and present options for achieving net zero energy use.			●	●				SBC confirmed NZE Whole Building Air Filtration Testing: 0.25 cfm/SF required by Stretch Code (C406) - NZE level target recommended at 0.15 cfm/SF @ 75 PA for PSR)				
LEX IDP Req		-			LEX_3	All electric, zero emissions on site design (excluding fuel for emergency backup power generators). Backup fossil fuel heating systems will require specific approval.			●	●				SBC confirmed NZE and battery storage. Back up fossil fuel emergency generator to be discussed PDP/PSR				

## PSR IDP/LEED Scorecard Criteria

### Lexington IDP/LEEDv4 Tracking

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		Yes	TBD (?)	No	Comments						Comments	Comments	Comments	Comments	Comments	Comments			
		9	3	4	Materials and Resources	13													
		Y			Prereq Storage and Collection of Recyclables	Required	● ●					Lexington HS and Town Recycling Program to be provided. No decision Required.							
		Y		2	Prereq Construction and Demolition Waste Management Planning	Required	●					CM to provide CWMP/Required in the Specifications - No Decision Milestone							
		3	1	3	Credit Building Life-Cycle Impact Reduction	5	●		●	●		3 points required for Gold (+1 point for Platinum) Optimization of low carbon concrete, recycled content Wood structural components: PSR discuss and confirm	Embodied Carbon reduction target to be discussed and confirmed in PSR: -10% reduction - 3 points -20% reduction - 4 points with full Mass Timber structure option						
		1	1		Credit Building Product Disclosure and Optimization - Environmental Product Declarations	2	●					Required for Gold (1 pt) Strive for 2nd point for Platinum No decision milestones	Contributes to MSBA additional 1% reimbursement						
		1		1	Credit Building Product Disclosure and Optimization - Sourcing of Raw Materials	2	●					1 point required for Gold No decision milestones	Contributes to MSBA additional 1% reimbursement						
	●	2	1		Credit Building Product Disclosure and Optimization - Material Ingredients	2	●			●		Required for Gold (1pt) Also MSBA Green Policy Requirement (first point) Strive for 2nd point for Platinum	Red List materials discussion and confirmation in SD Contributes to MSBA additional 1% reimbursement						
		2			Credit Construction and Demolition Waste Management	2	●					Required for Silver Min. 75% CW diversion - No Decision Milestone	Contributes to MSBA additional 1% reimbursement						

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		Yes	TBD (?)	No			Credit Type	PDP	PSR	SD	DD	Comments	Additional Decision Milestones (DRAFT)			
		11	3	2	Indoor Environmental Quality		16									
		Y			Prereq	Minimum Indoor Air Quality Performance	Required	●								
		Y			Prereq	Environmental Tobacco Smoke Control	Required	●	●				Lexington Non Smoking Policy Documentation Required			
		Y			Prereq	Minimum Acoustic Performance	Required	●								
LEX IDP-LEED Req.		2			Credit	Enhanced Indoor Air Quality Strategies - CO <sub>2</sub> Sensors at all occupied spaces	2					Required for Gold No decision required				
●	2	1			Credit	Low-Emitting Materials	3	●			●	Required for Gold (1 pt) MSBA Policy Requirement (1st point) (+2 points will contribute to goal of attaining additional 1% reimbursement from MSBA)	Contributes to MSBA additional 1% reimbursement Red List materials selection in SD will benefit this credit			
		1			Credit	Construction Indoor Air Quality Management Plan	1	●				Required for Gold CM to provide IAQ Plan/Required in Specifications - No Decision Milestone				
●	1	1			Credit	Indoor Air Quality Assessment	2	●				Required for Gold (1 pt) MSBA Green Policy Requirement (First point)	Contributes to MSBA additional 1% reimbursement			
		1			Credit	Thermal Comfort	1	●				Required for Platinum - included in design				
		2			Credit	Interior Lighting	2	●				Required for Gold (1 pt) 2nd point required for Platinum - lighting system/interior design coordination - Design confirmation in SD				
		1		2	Credit	Daylight	3	●				Required for Gold LEEDv4.1 threshold of 40% sDA and 10% ASE Design Analysis at SD/DD/CD				
		1			Credit	Quality Views	1	●				Required for Gold CD calculations No decision milestones				
		1			Credit	Acoustic Performance	1	●			●	Required for Platinum - pending on design and cost implications Decision at SD				

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		Scorecard Tracking (DRAFT)				Credit Type	PDP	PSR	SD	DD	Comments			Additional Decision Milestones (DRAFT)						
		Yes	TBD (?)	No	LEX_5						Comments	Comments	Comments	Comments	Comments	Comments	Comments			
LEX IDP Req	-				Toxics - Avoid the use of Red List substances as recommended by Lexington Board of Health (memo dated March 4, 2018), except when no practical alternative is available. Utilize Healthy Building Network (or the equivalent) information in the design and selection of materials and consider using products and services established by the Environmental Preferable Purchasing program or other successor program of the Commonwealth of Massachusetts or other similar cooperative purchasing programs.	0	●	●	●	●	High Level Introduction to Healthy materials in PDP (Focus Groups) Target Healthy materials set up in PSR Targeted materials included in Specifications (SD)									
		6	0	0	Innovation	6														
		5			Credit: Innovation: <a href="#">Green Eds, Low Merc. Lamps, Exempl. HPDs &amp; EPDs, pilot</a>	5	●	●			Design Credits - no decision required Green Educational Program (1 pt)-Tour booklet, sust. signage Low Mercury Lamps (1pt): all LED fixtures Exemplary credits for EPDs and HPDs (2 pt) - All included in specifications Pilot credit: Enhanced IAQ Pilot credit									
		1			Credit: LEED Accredited Professional	1	●				SMMA LEED APs overseeing project LEED certification									
		4	0	0	Regional Priority	4														
		1			Credit: Regional Priority: Building LCA - MR credit (Tally)	1	●				Bonus points - See decision milestones in main LCA credit above									
		1			Credit: Regional Priority: Optimize energy performance (8 points min)	1	●				Bonus points - See decision milestones in main LCA credit above									
		1			Credit: Regional Priority: Rainwater management (2 points min)	1	●				Bonus points - See decision milestones in main LCA credit above									
		1			Credit: Regional Priority:Renewable energy (2 points min)	1	●				Bonus points - See decision milestones in main LCA credit above									
		81	19	29	TOTALS	Possible Points: 110												LEED Gold voted at SBC 09/14/2023; LEED Platinum is a Goal		
		Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110.																		

## Discussion: PSR IDP/LEED Scorecard Criteria

### Parking Reduction

Parking Design	# Spaces	
Projected Parking	450	
LEED Credit Requirement	270	40% Reduction

### EV Charging Vehicles

- LEED requirement met through the Lexington Town By-Law
- LEED requirement: 2% - 9 spaces
- Lexington Policy: 4% - 18 spaces + 50% readiness (225 spaces)

## Discussion: PSR IDP/LEED Scorecard Criteria

### Building Life-Cycle Impact Reduction [v4.1]

- Preliminary PSR Results of Structure Design Assessment

Options	Embodied Carbon Reduction from Baseline Model (% tons CO2e)	Incremental Additive Construction Cost (not in current estimates)	LEED
New Construction with Steel/Concrete Structure	-6.0*		3 points (10% reduction goal)
New Construction with All Structure being Mass Timber Option (Scope A)	-19.6	\$23M+/-	4 points (20% reduction goal)
Add/Reno with Steel/Concrete Structure	-7.4*		3 points (10% reduction goal)
Add/Reno with existing steel and Concrete and New Structure Mass Timber	-20.7	\$18M +/-**	4 points (20% reduction goal)

Notes:

\*Preliminary PSR analysis conducted using EPIC early carbon assessment tool (60-year LCA). Modeling tool Baseline model assumes building structure only recycled content, not including Low-Carbon concrete measures and enclosure components towards 10% goal.

\*\*Mass Timber Costs are lower than New Construction based on Math and Science building existing structure to remain.

## **Discussion: PSR IDP/LEED Scorecard Criteria**

### **Minimum & Optimized Energy Performance**

- Preliminary 75-year LCCA resulted in a 1-2 years payback with incentives
- HVAC System Selection
  - Geothermal Test well underway, anticipate report in approx. 1 month

### **Low Emitting and Red List Materials**

- Target Red List materials priority list to be presented to SBC
- Schematic Design: Decision on Red List materials to be included in the specifications

# Introduction: Driveways & Circulation Parking Location & Quantity

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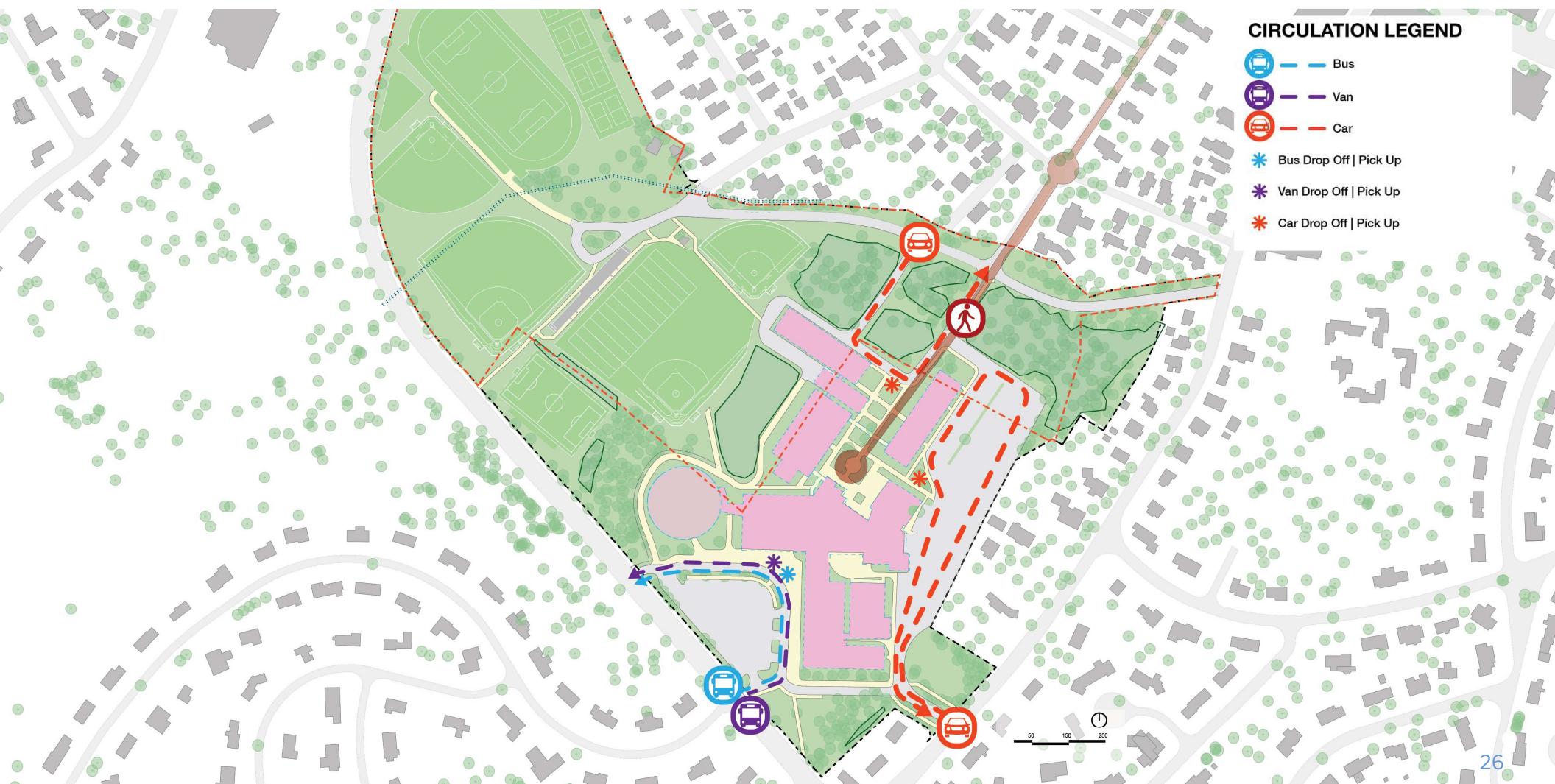
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## Introduction: Driveways & Circulation, Parking Location & Quantity

### Overview

- The 'Why': Importance of site infrastructure and its influence on building form and location
- Every option strives for 3 "givens":
  - separation of bus, parent and van circulation;
  - a minimum of 450 total parking spaces, interspersed throughout the site;
  - and replicating all the programming for any impacted athletic fields
- Different building forms create nuanced influence on circulation, parking, and field location
- At this introductory level, we are developing options that capture the base program only- diagramming to exhibit the impacts of some of the "a la carte" program options are included for reference and scale

## Introduction: Driveways & Circulation/Existing Conditions



## Introduction: Driveways & Circulation/Existing Conditions

### Peak Hour Turning Movement Counts



## Introduction: Driveways & Circulation/Existing Conditions

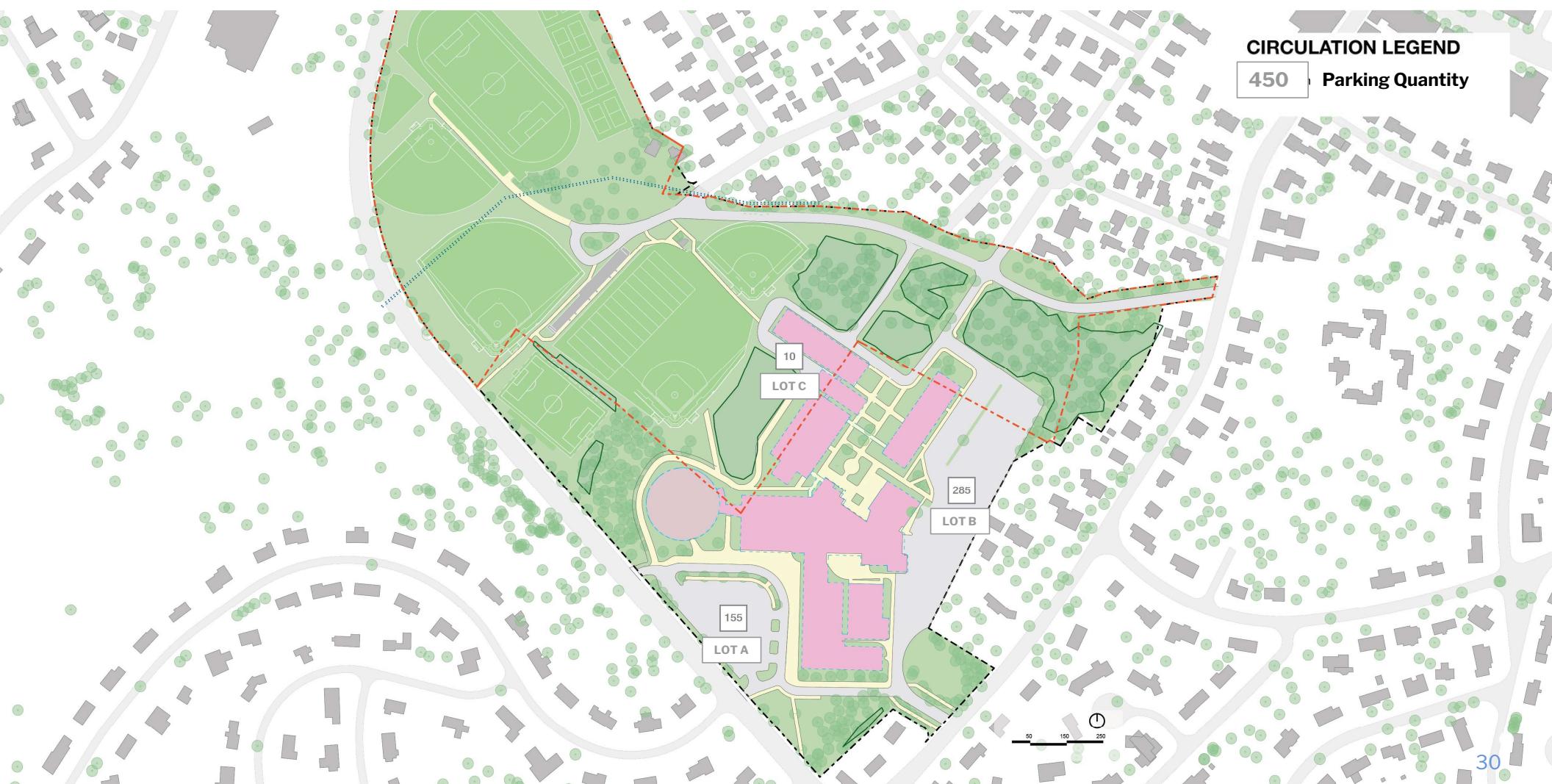


## Introduction: Driveways & Circulation

### Goals

- Vehicle Circulation as the "spine" of the site
- Pedestrian Safety
- Separate Bus, LABBB, Car circulation | Drop Off & Pick Up
- Provide First Responders and Emergency Vehicles adequate access
- Maintain physical and visual connection from site to downtown through Muzzy Street access
- Review warrants for intersection/driveway improvements

## Introduction: Parking Location & Quantity/Existing Conditions



## Introduction: Parking Location & Quantity/Existing Conditions



## Introduction: Parking Location & Quantity

### Goals

Many ways we can look at parking:

- Other school statistics
  - Function of building size
  - Function of student body
- Zoning requirements
- Focus Group Recommendation- disincentivize single occupancy vehicles, disincentivize student driving
- Community concerns – student parking in residential neighborhoods to the north and along Worthen Road
- Cost comparison: At-Grade, Structured above ground, Structured under building
- Does the proposed EV bus/van depot fit somewhere on the site?
- Physical layout- break up parking to make it more accessible to program options
- Reduce heat island effect
- More efficient stormwater management
- Eye towards PV canopy cover and the size requirements necessary

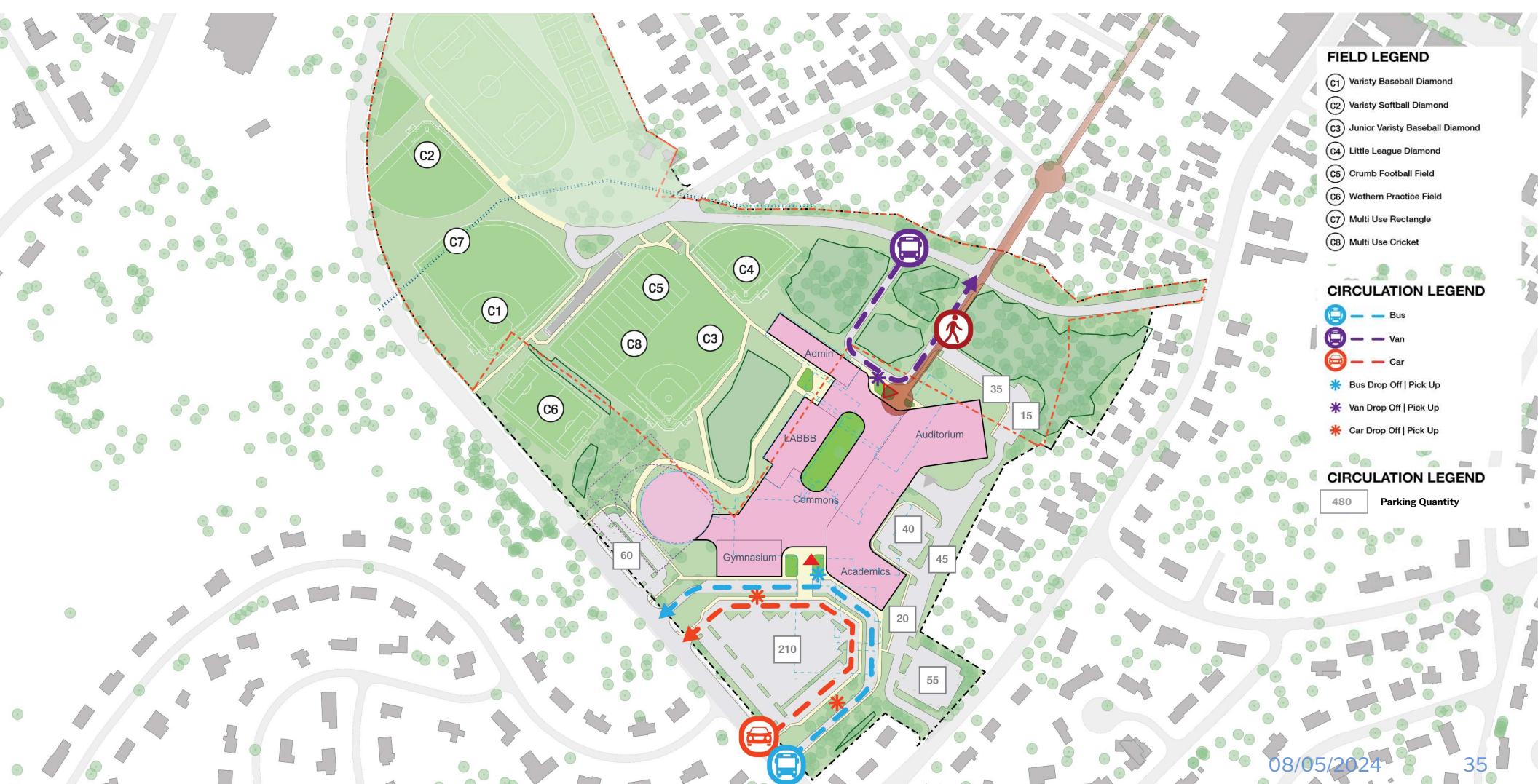
## Introduction: Parking Location & Quantity/SMMA High School Statistics

		Existing Conditions - Pre-Design Parking Statistics								
	Building	Population			Parking			Pre-Design Parking Ratio's		
School	Size (SF)	Faculty/Staff	Students	Total	Faculty/Staff/Visitors	Students	Total	Ratio (spaces per SF)	Ratio (spaces per occupant)	
Lexington HS	352,000	486	2318	2804	425	25	450	1.28	0.16	
East Longmeadow HS	186,890	90	766	856			507	2.71	0.59	
Wakefield Memorial HS	250,430	100	842	942			269	1.07	0.29	
Waltham HS	384,800	310	1609	1919			479	1.24	0.25	
Somerville HS	360,000	186	1231	1417			134	0.37	0.09	
North Middlesex RHS	197,377	115	968	1083	+/-125	+/-301	426	2.16	0.39	
Winchester HS	280,700	140	1096	1236	148	140	288	1.03	0.23	
Monument Mountain RHS	113,700	70	570	640			290	2.55	0.45	
Ayer Shirley RHS	145,000	51	305	356			184	1.27	0.52	
Tewksbury Memorial HS	172,800	145	1100	1245			323	1.87	0.26	
West Springfield HS	279,086	150	1366	1516			419	1.50	0.28	
Wellesley HS	234,000						295	1.26		
Grafton HS	100,400	95	680	775	95	255	350	3.49	0.45	
Average	225,432	132	958	1,090	122	198	330	2	0.35	

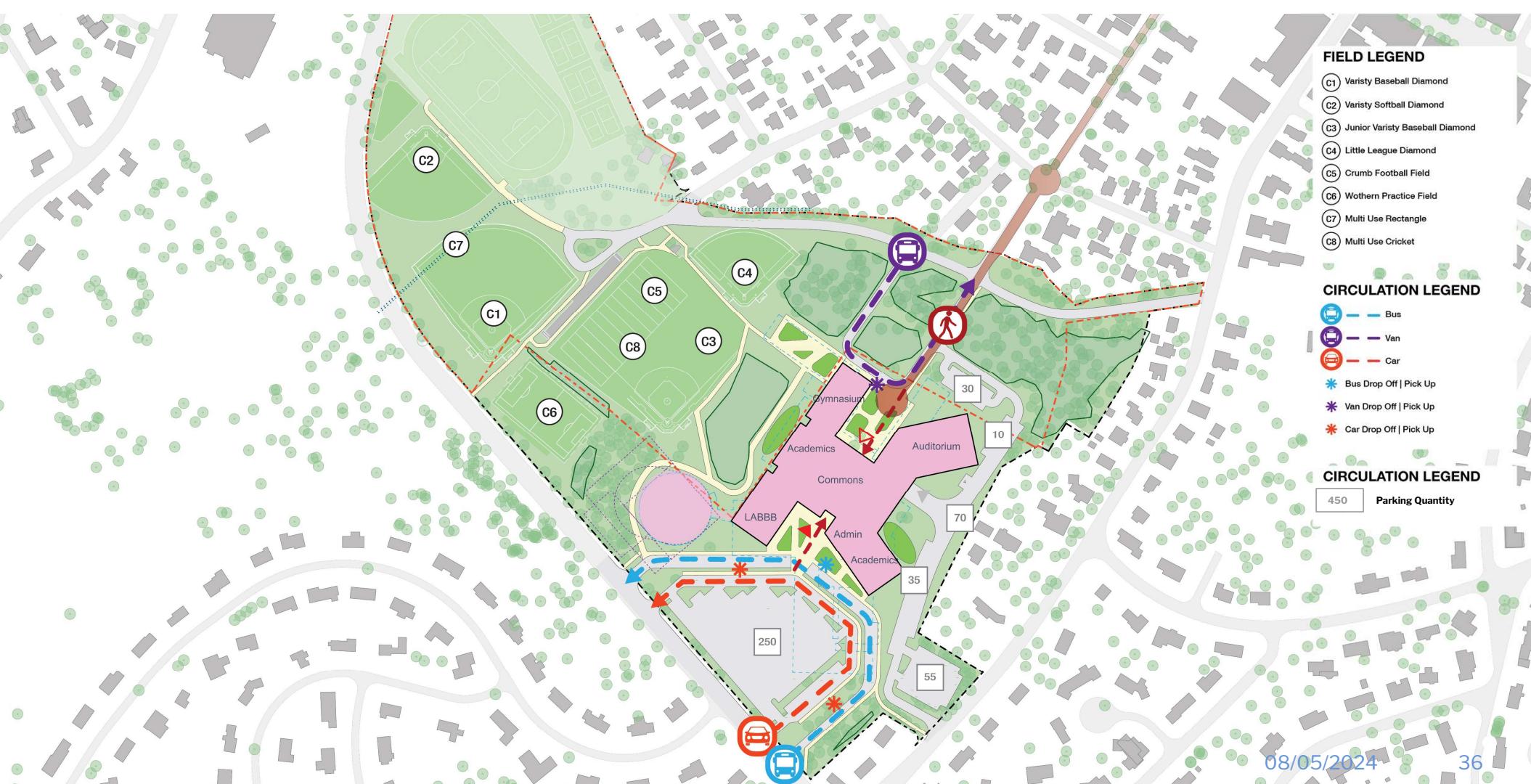
## Introduction: Parking Location & Quantity/SMMA High School Statistics

		Proposed Conditions - Post-Design Parking Statistics									
School	Building	Population			Parking			Proposed Parking Ratio's			
	Size (SF)	Faculty/Staff	Students	Total	Faculty/Staff/Visitors	Students	Total	Ratio (spaces per SF)	Ratio (spaces per occupant)		
Lexington HS	440,816	486	2400	2886			450	1.02	0.16		
East Longmeadow HS	191,769	140	800	940			464	2.42	0.49		
Wakefield Memorial HS	259,900	159	1000	1159			330	1.27	0.28		
Waltham HS	418,000	260	1830	2090			650	1.56	0.31		
Somerville HS	369,000	234	1550	1784			19	0.05	0.01		
North Middlesex RHS	180,530	104	870	974			350	1.94	0.36		
Winchester HS	288,840	160	1370	1530	183	140	323	1.12	0.21		
Monument Mountain RHS	137,190	70	570	640			290	2.11	0.45		
Ayer Shirley RHS	144,686	75	495	570			182	1.26	0.32		
Tewksbury Memorial HS	218,000	145	1100	1245			407	1.87	0.33		
West Springfield HS	257,525	150	1270	1420			399	1.55	0.28		
Wellesley HS	280,000	200	1600	1800			300	1.07	0.17		
Grafton HS	186,000	122	900	1022	129	203	332	1.78	0.32		
Average	259,404	177	1,212	1,389			346	1.42	0.27		

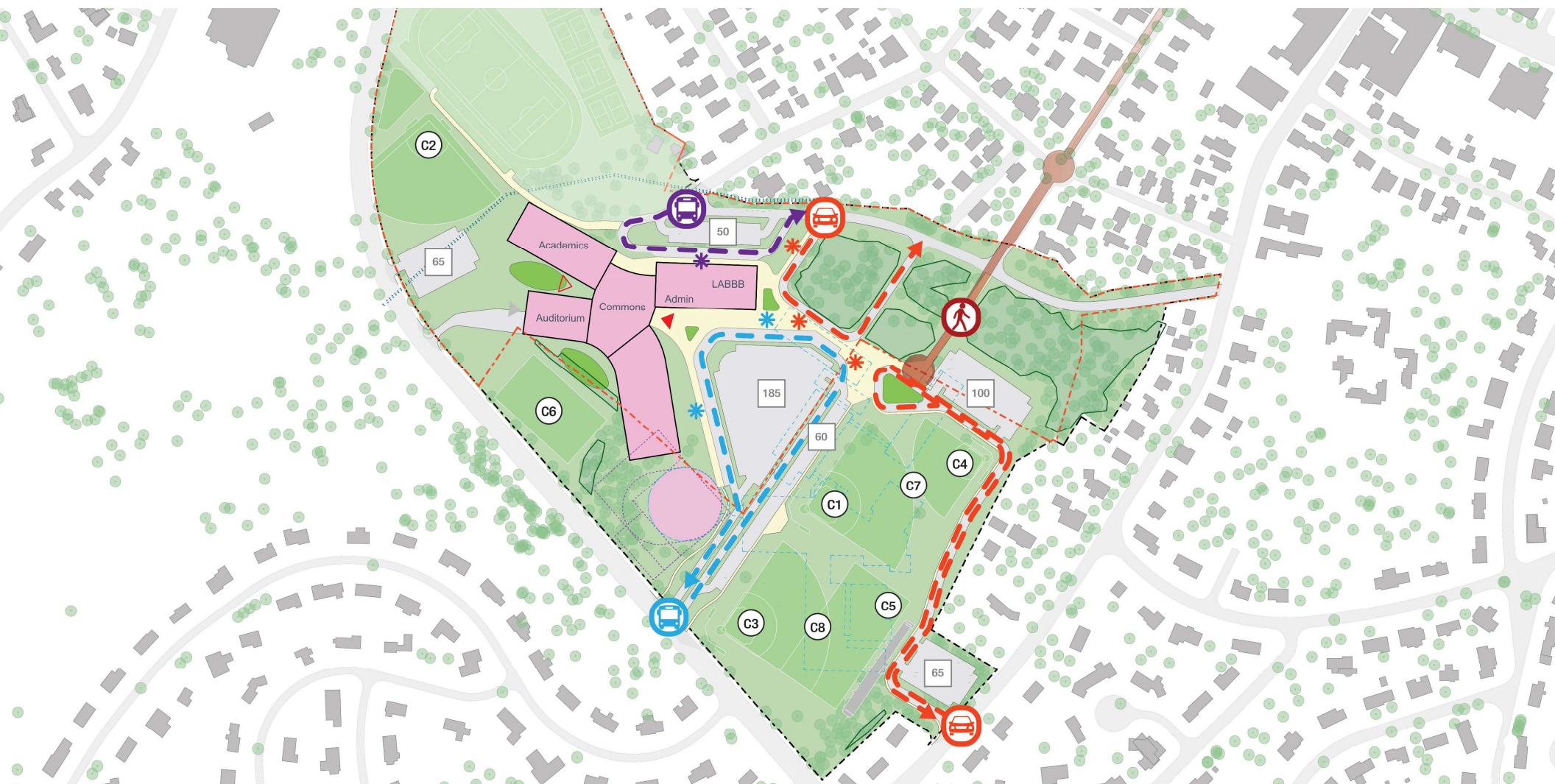
## Quad Option (B.1a): Addition | Renovation In-Place



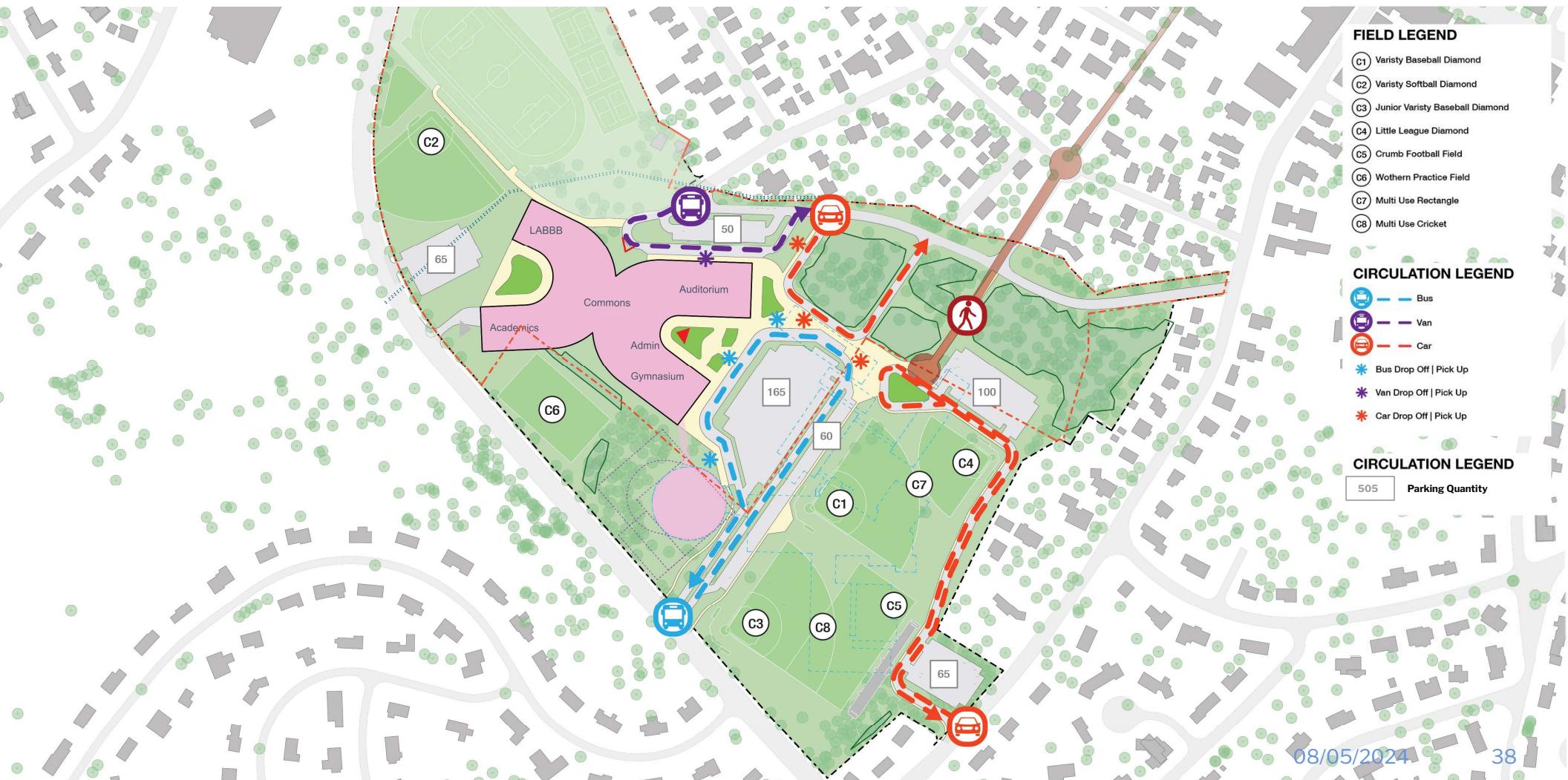
## Weave Option (D.2a): New Construction In-Place



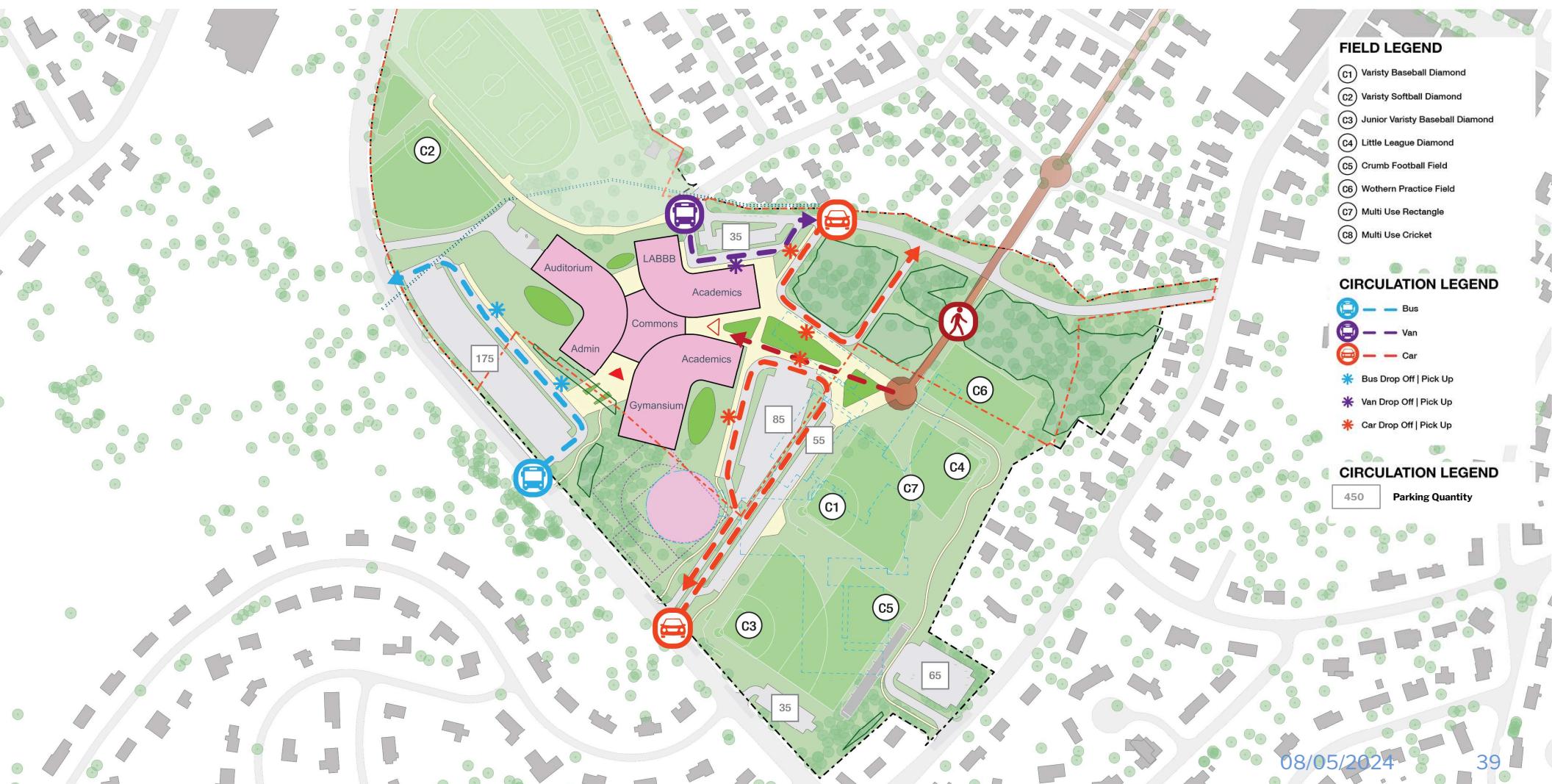
## Branch Option (C.1d): New Construction on Existing Athletic Fields



## Braid Option (C.2b): New Construction on Existing Athletic Fields



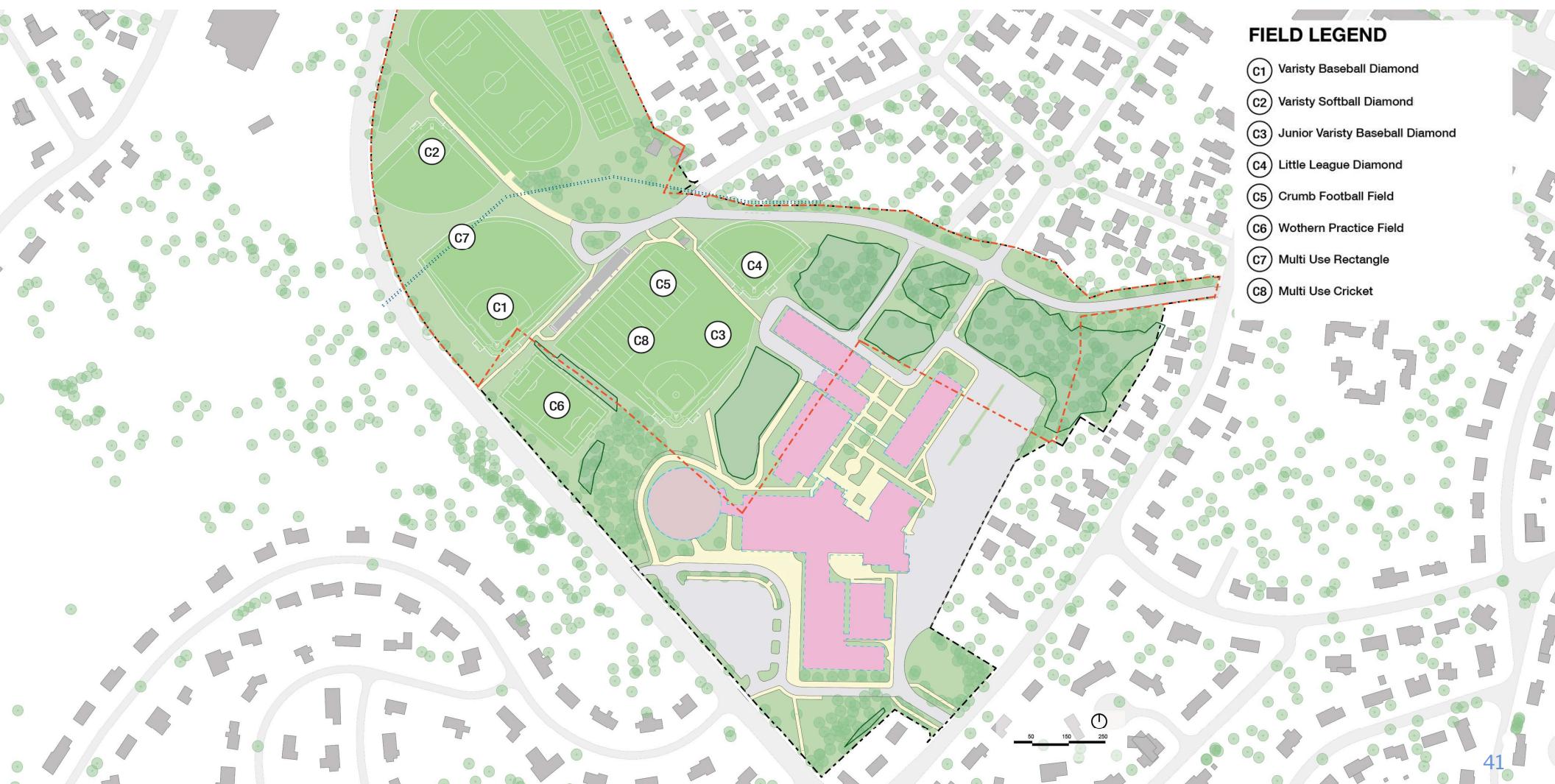
## Bloom Option (C.5b): New Construction on Existing Athletic Fields



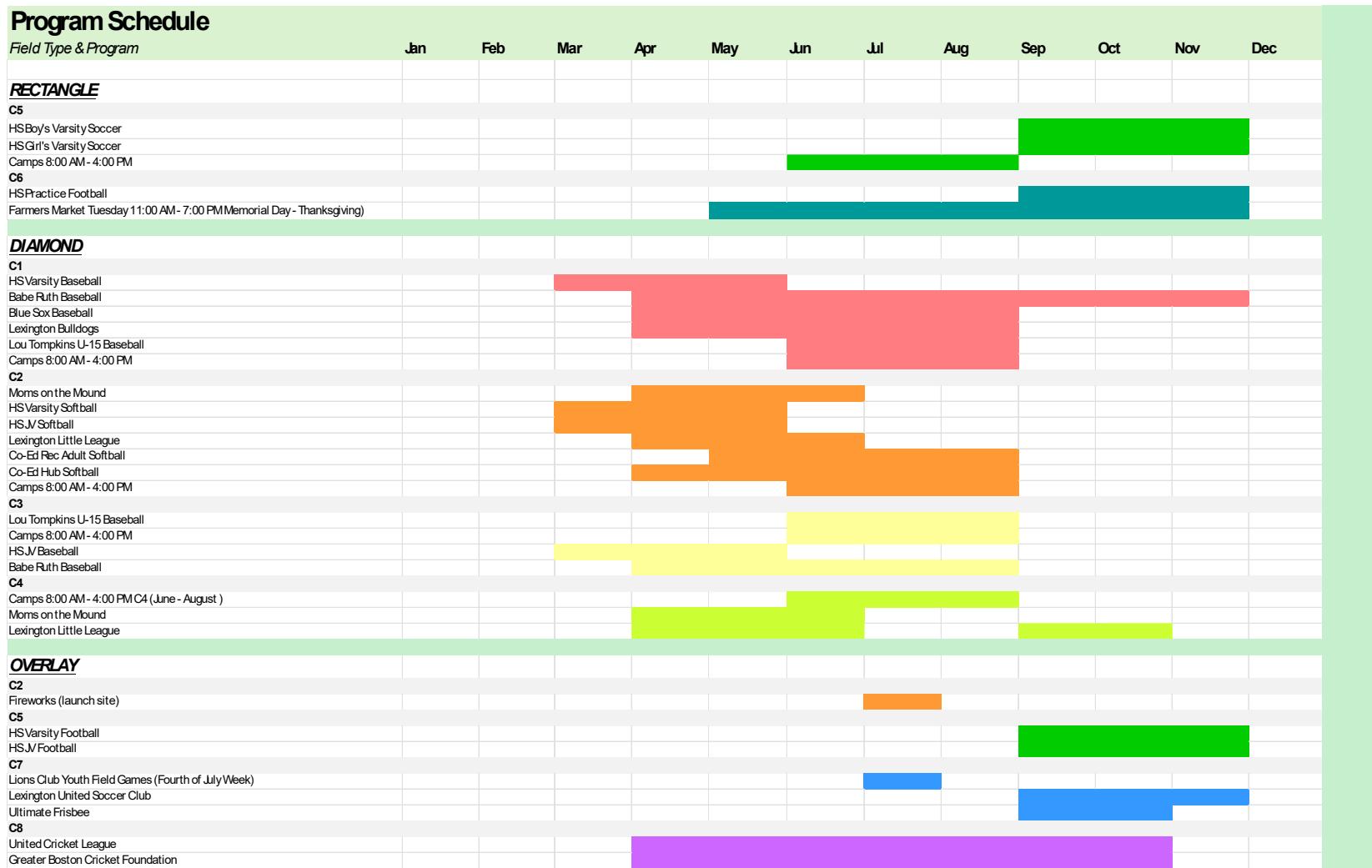
# Introduction: Athletic Field Current Use & Impacts

smma

## Introduction: Athletic Fields & Current Use & Impacts



## Introduction: Athletic Fields & Current Use & Impacts



08/05/2024

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## **Existing Field Use Intensity**

- This slide will be updated prior to the SBC meeting on 8/05

## Introduction: Athletic Fields & Current Use & Impacts

### Existing Conditions



## Introduction: Athletic Fields & Current Use & Impacts/ New Build



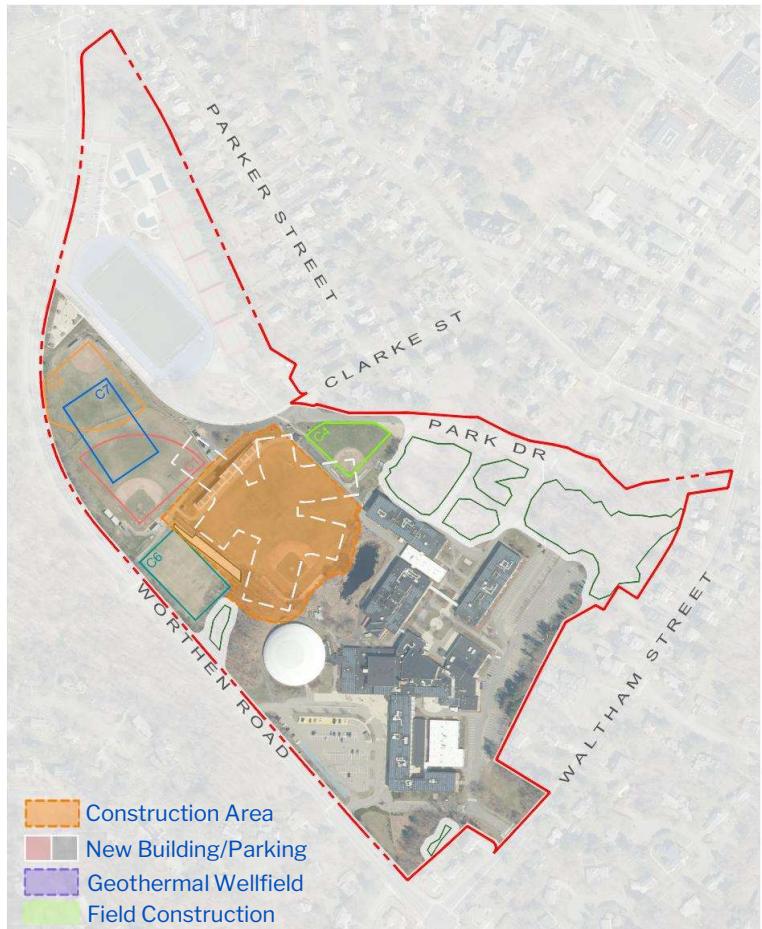
Existing Site: 57.8 acres

## Introduction: Athletic Fields & Current Use & Impacts/ New Build



Existing Site: 57.8 acres  
Remaining Buildable Area: 41.5 acres

## Introduction: Athletic Fields & Current Use & Impacts/ New Build

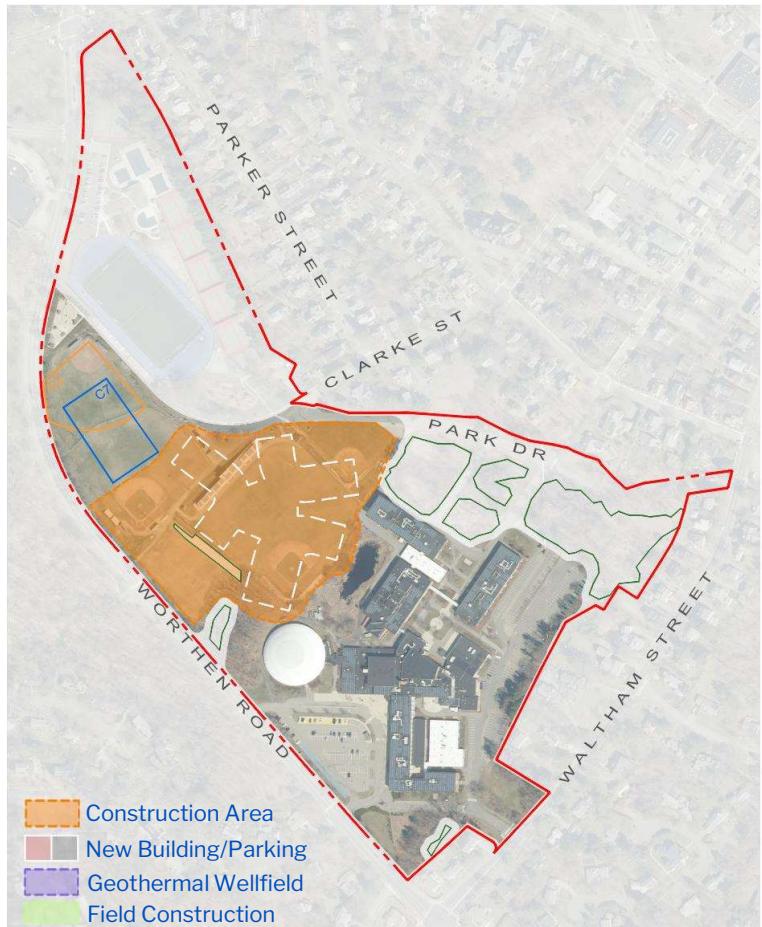


### Phase 1a September 2026 – November 2026

- Begin HS Construction
- Maintain Some Fields Through Fall Season

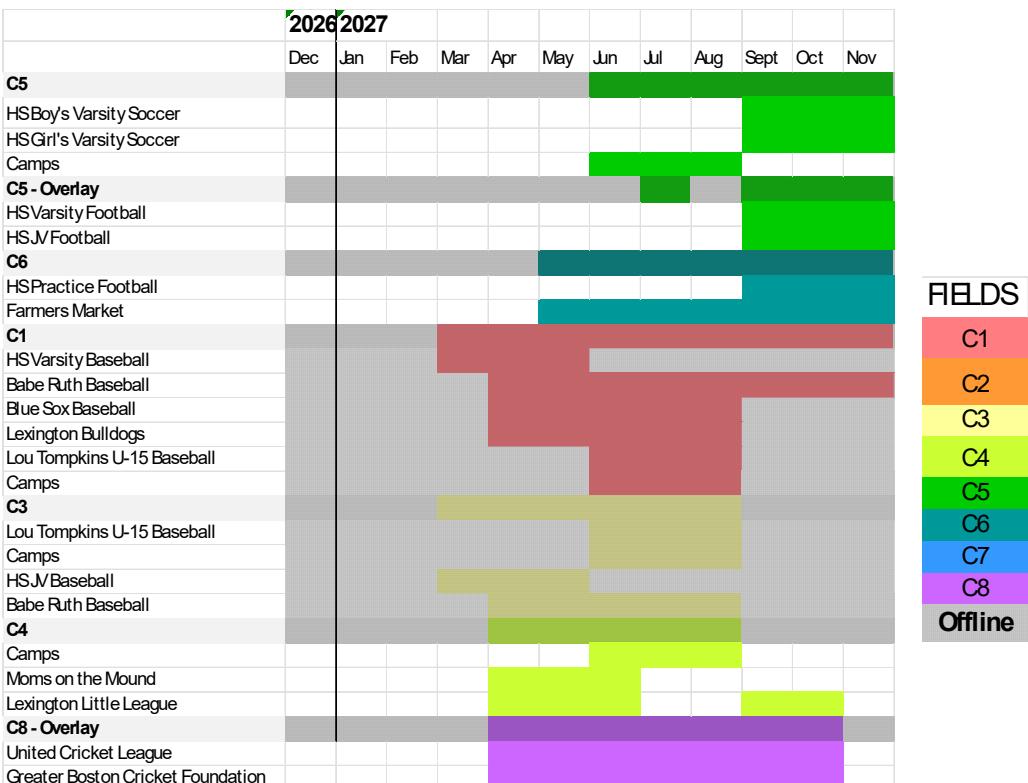


## Introduction: Athletic Fields & Current Use & Impacts/ New Build

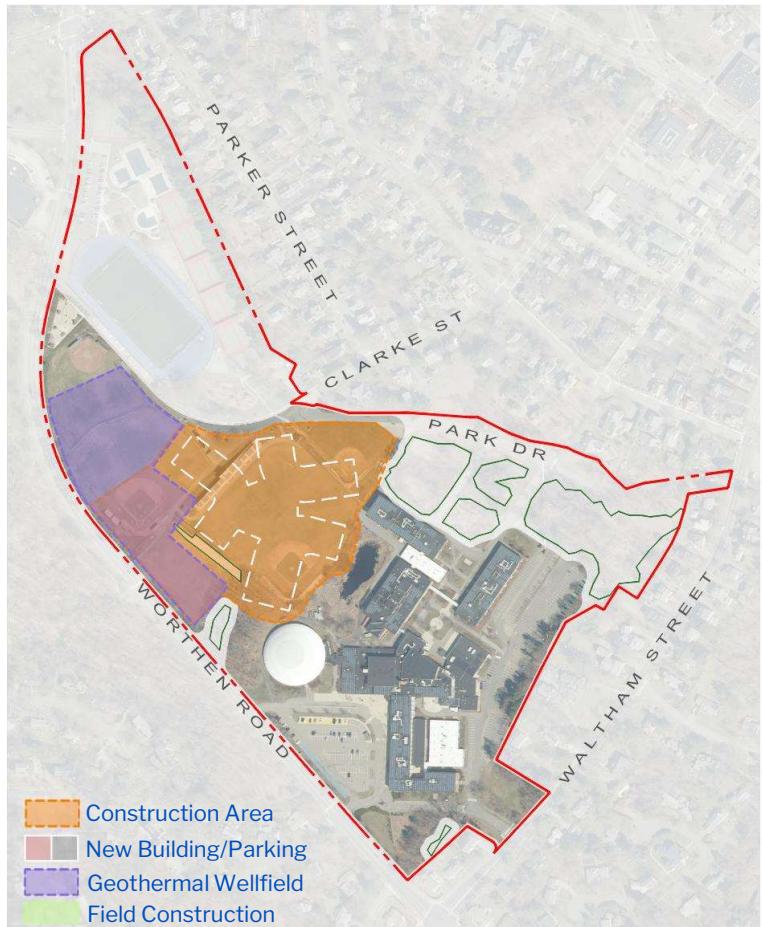


### Phase 1b December 2026 – November 2027

#### - Construction of HS

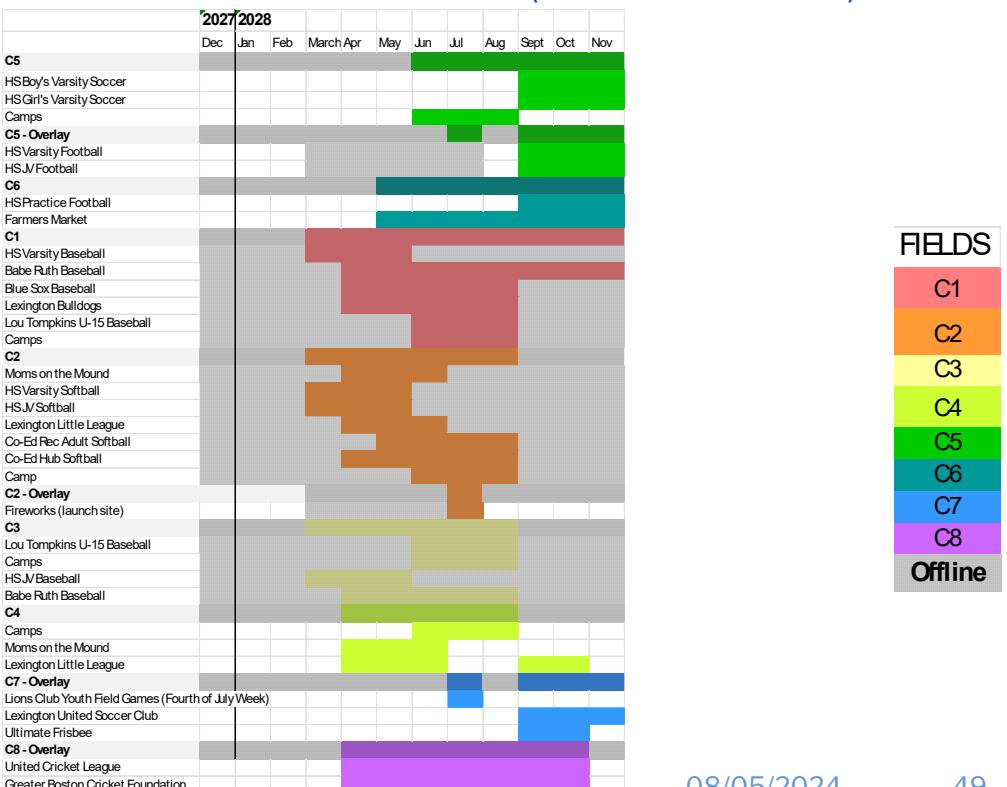


## Introduction: Athletic Fields & Current Use & Impacts/ New Build



### Phase 1c December 2027 – November 2028

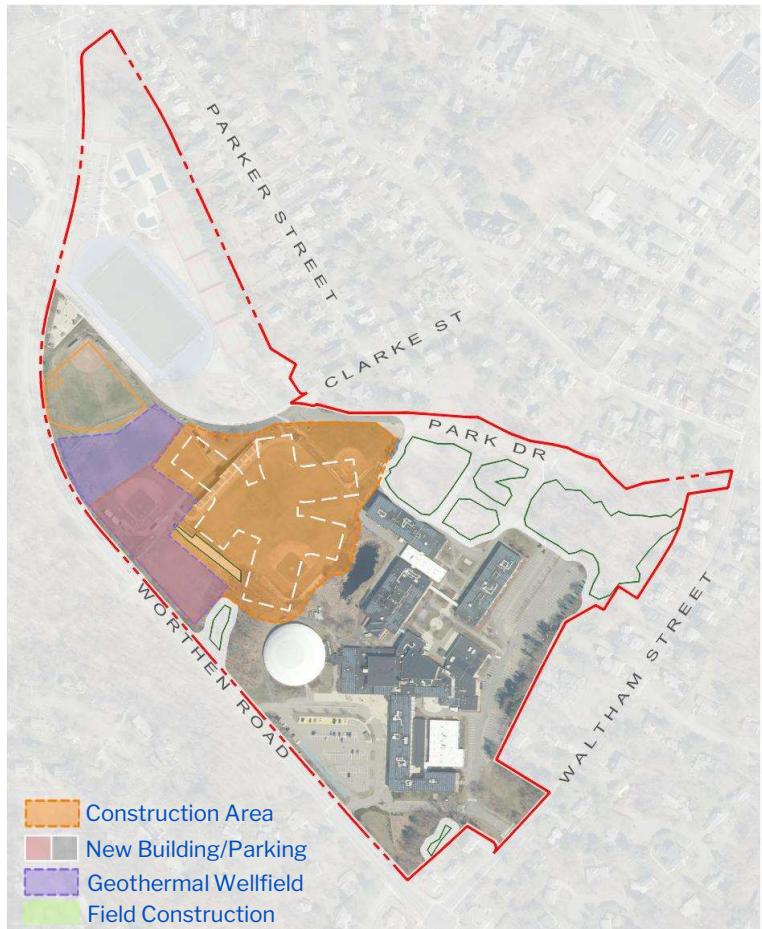
- Construction of HS
- Install Geothermal Wells (assumes 5 acres)



08/05/2024

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## Introduction: Athletic Fields & Current Use & Impacts/ New Build



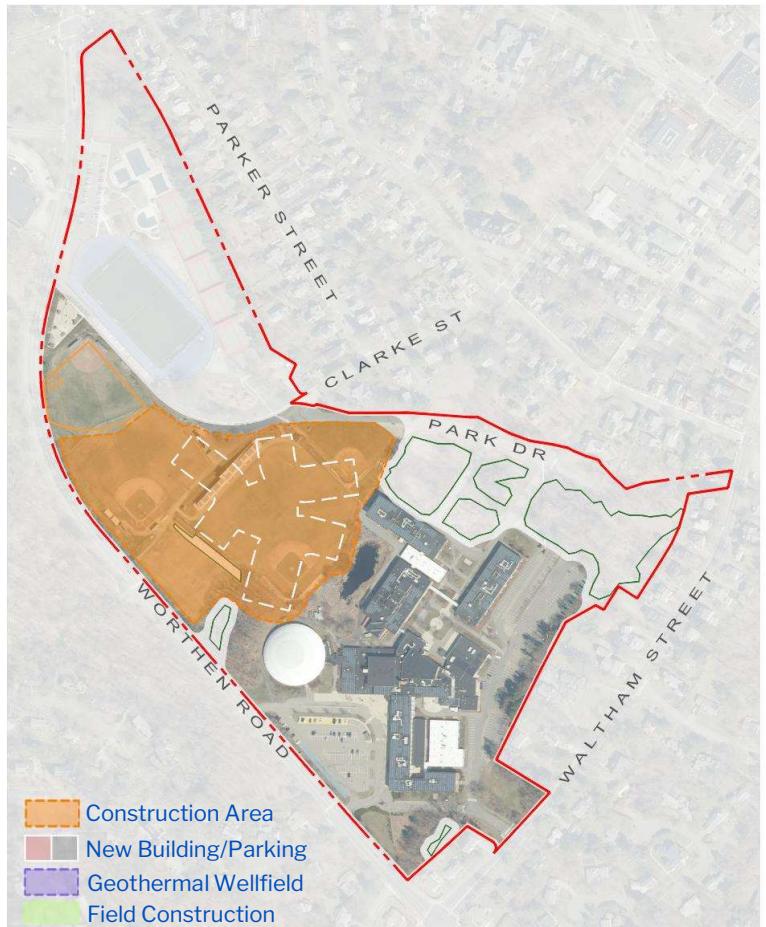
### Phase 1d December 2028 – May 2029

- Construction of HS
- Complete Geothermal Wells

	Dec	Jan	Feb	March	Apr	May
<b>C5</b>						
HS Boys Varsity Soccer						
HS Girls Varsity Soccer						
Camps						
<b>C5 - Overlay</b>						
HS Varsity Football						
HS JV Football						
<b>C6</b>						
HS Practice Football						
Farmers Market						
<b>C1</b>						
HS Varsity Baseball						
Babe Ruth Baseball						
Blue Sox Baseball						
Lexington Bulldogs						
Lou Tompkins U-15 Baseball						
Camps						
<b>C3</b>						
Lou Tompkins U-15 Baseball						
Camps						
HS JV Baseball						
Babe Ruth Baseball						
<b>C4</b>						
Camps						
Moms on the Mound						
Lexington Little League						
<b>C7 - Overlay</b>						
Lions Club Youth Field Games (Fourth of July Week)						
Lexington United Soccer Club						
Ultimate Frisbee						
<b>C8 - Overlay</b>						
United Cricket League						
Greater Boston Cricket Foundation						



## Introduction: Athletic Fields & Current Use & Impacts/ New Build



### Phase 1e June 2029 – August 2029

- Complete Building
- Complete Sitework
- Move into School Fall 2029

C5	2029		
	Jun	Jul	Aug
HS Boy's Varsity Soccer			
HS Girl's Varsity Soccer			
Camps			
<b>C5 - Overlay</b>	■	■	■
HS Varsity Football			
HS JV Football			
<b>C6</b>			
HS Practice Football			
Farmers Market			
<b>C1</b>			
HS Varsity Baseball			
Babe Ruth Baseball			
Blue Sox Baseball			
Lexington Bulldogs			
Lou Tompkins U-15 Baseball			
Camps			
<b>C3</b>			
Lou Tompkins U-15 Baseball			
Camps			
HS JV Baseball			
Babe Ruth Baseball			
<b>C4</b>			
Camps			
Moms on the Mound			
Lexington Little League			
<b>C7 - Overlay</b>	■	■	■
Lions Club Youth Field Games (Fourth of July Week)			
Lexington United Soccer Club			
Ultimate Frisbee			
<b>C8 - Overlay</b>			
United Cricket League			
Greater Boston Cricket Foundation			

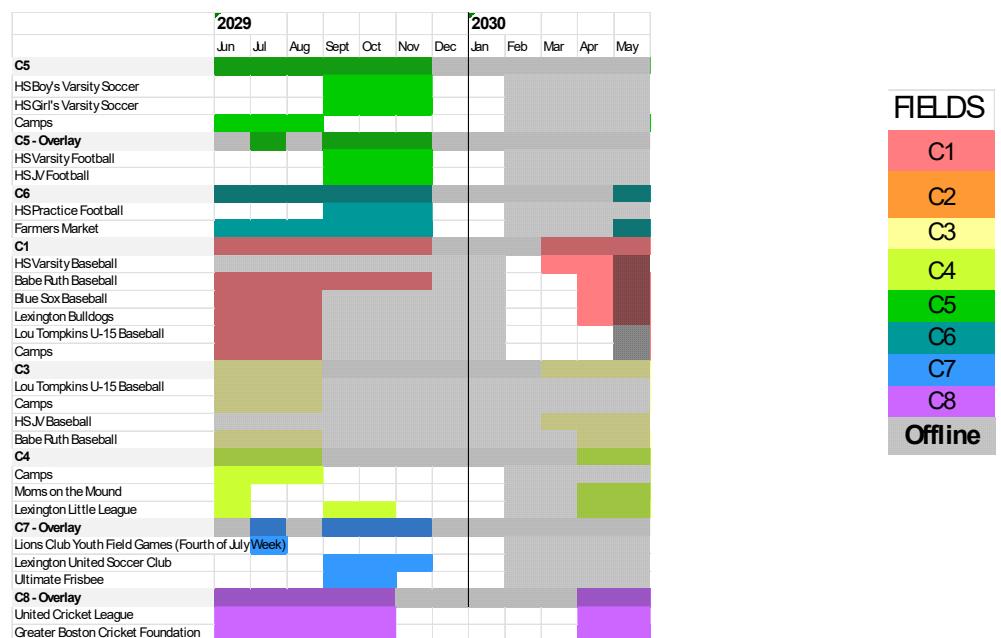
FIELDS
C1
C2
C3
C4
C5
C6
C7
C8
Offline

## Introduction: Athletic Fields & Current Use & Impacts/ New Build



### Phase 2 June 2029 – May 2030

- Abatement
- Demolition
- Sitework
- Field Reconstruction



## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place



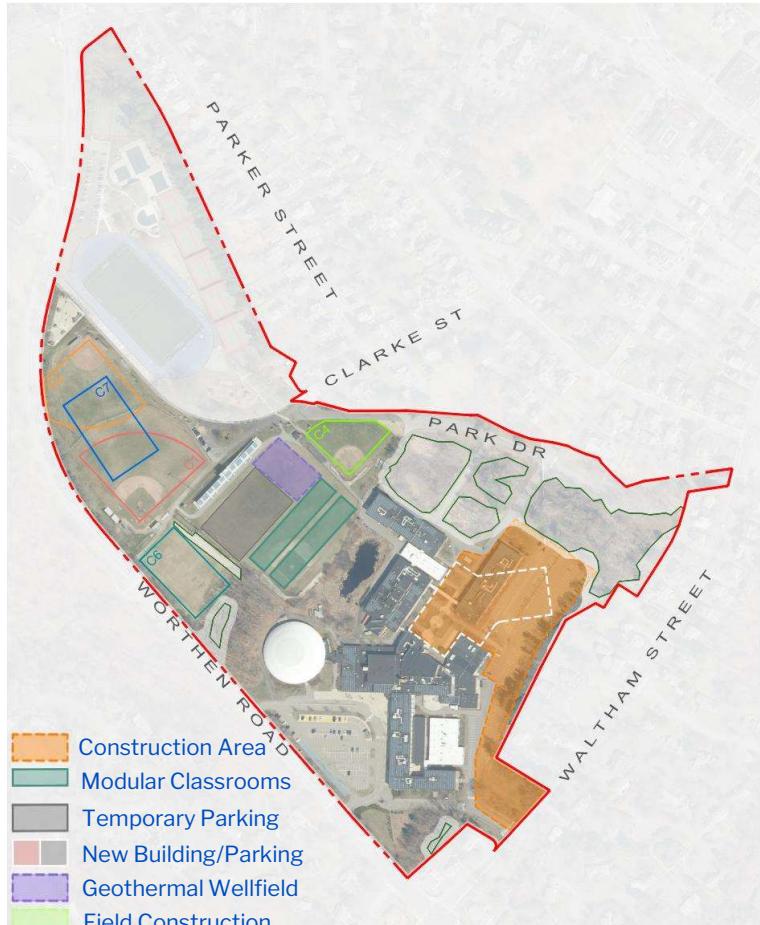
Existing Site: 57.8 acres

## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place



Existing Site: 57.8 acres  
Remaining Buildable Area: 41.5 acres

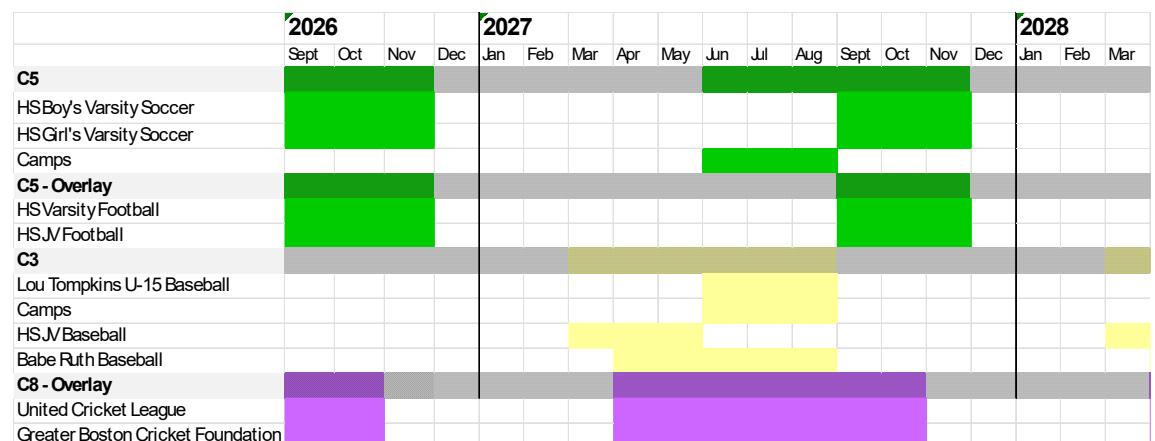
## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place



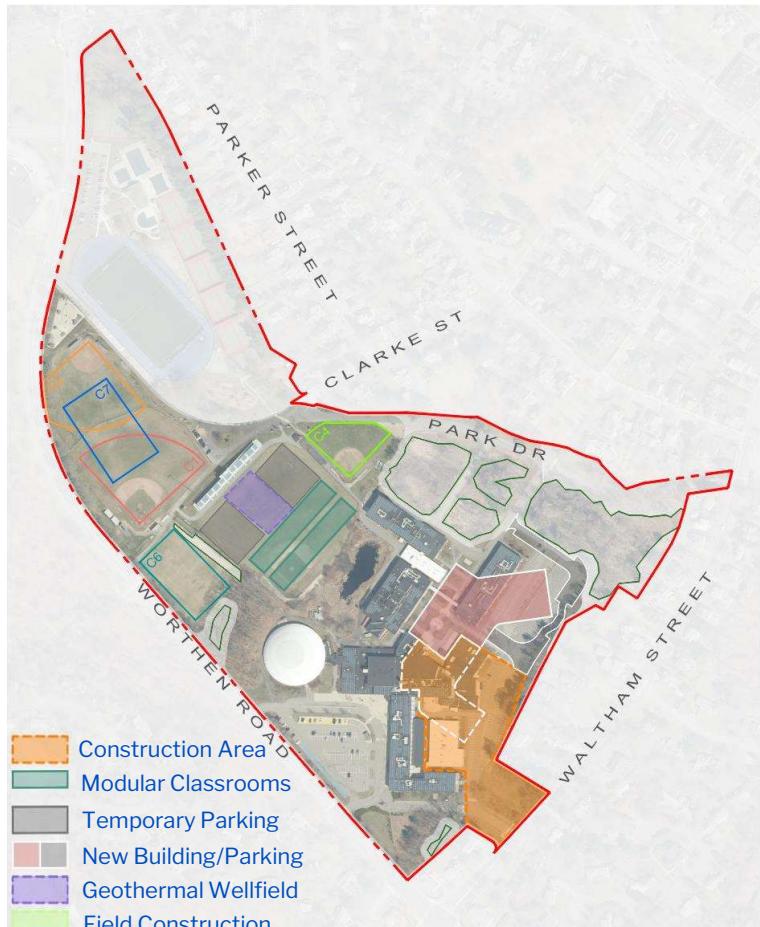
FIELDS
C1
C2
C3
C4
C5
C6
C7
C8
Offline

### Phase 1 September 2026 – March 2028

- Demo/Construction Phase 1
- Temporary Modular Classrooms & Parking
- Install Partial Geothermal Wells
- Move into new building April Break 2027



## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place



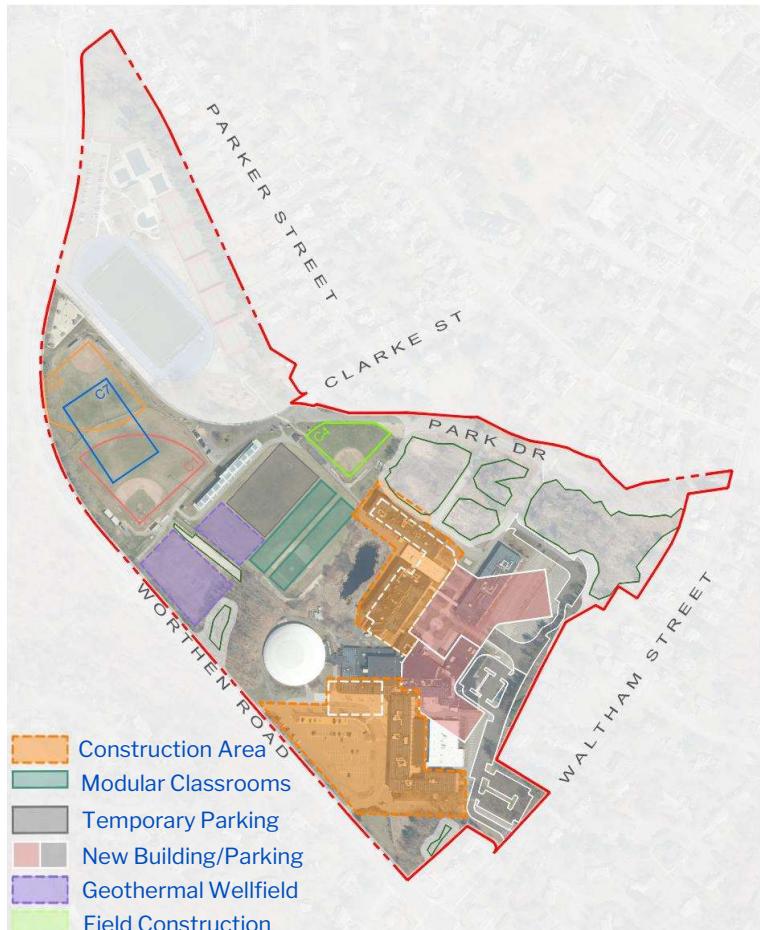
FIELDS
C1
C2
C3
C4
C5
C6
C7
C8
Offline

### Phase 2 April 2028 – May 2029

- Demo/Construction Phase 2
- Maintain Temporary Modular Classrooms & Parking
- Move into New Building Fall 2028

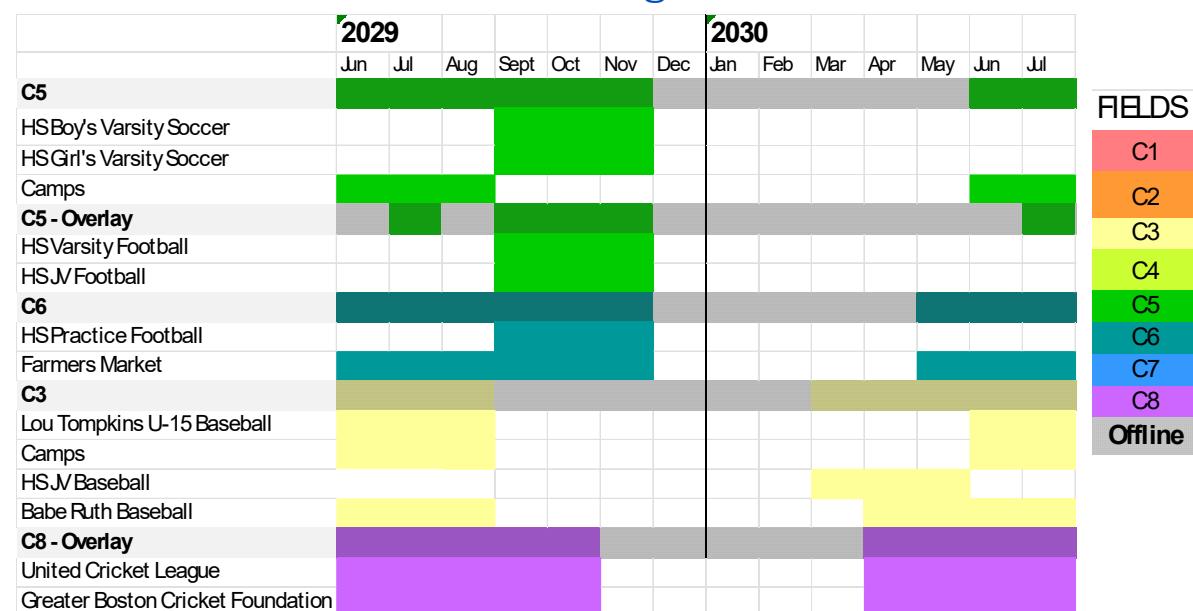


## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place

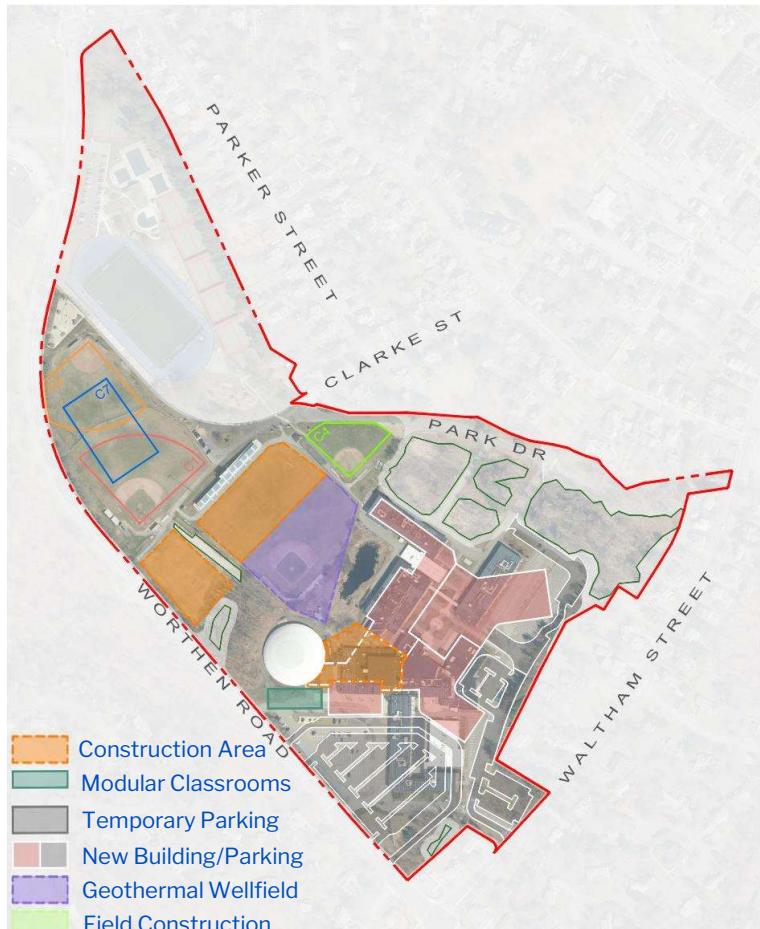


### Phase 3 June 2029 – July 2030

- Demo/Construction Phase 3
- Maintain Temporary Modular Classroom & Parking
- Install Partial Geothermal Wells
- Move into New Building Fall 2029

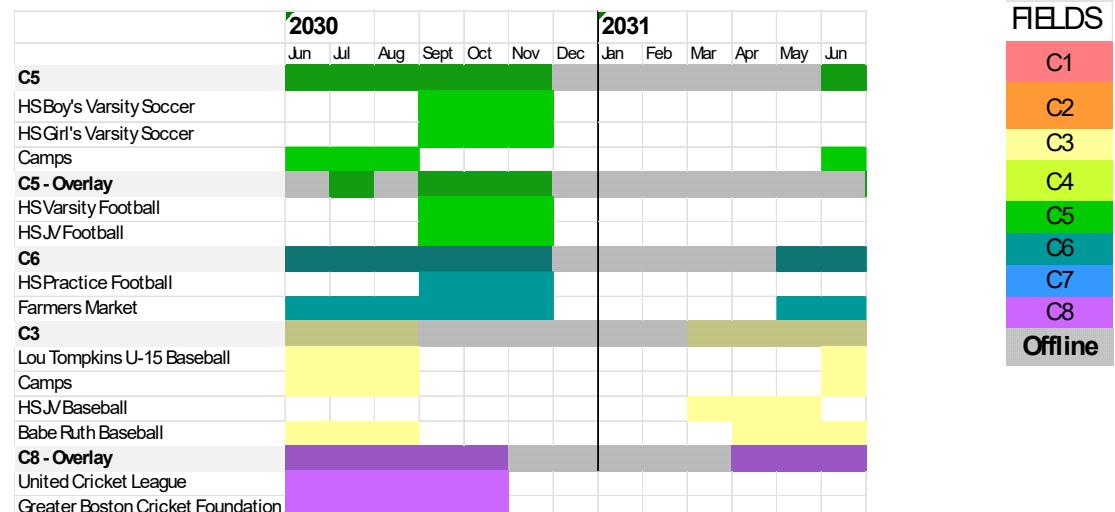


## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place

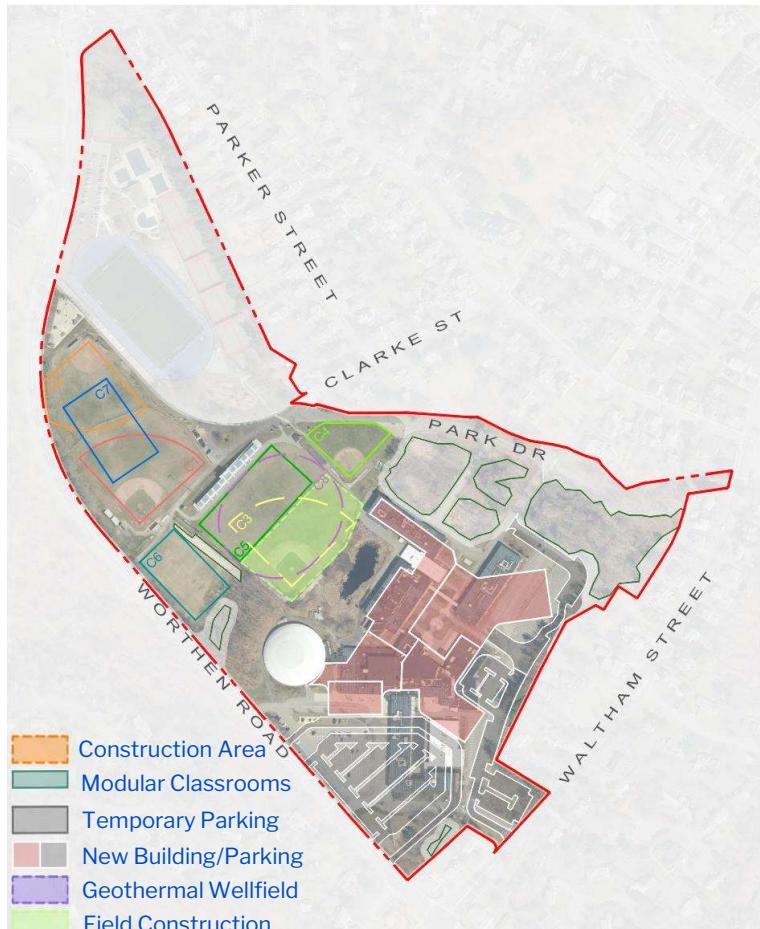


### Phase 4 June 2030 – July 2031

- Demo/Construction Phase 4
- Remove Modular Classrooms & Parking
- Temporary Modulars for Gym
- Complete Geothermal Wells
- Move into New Building Fall 2030

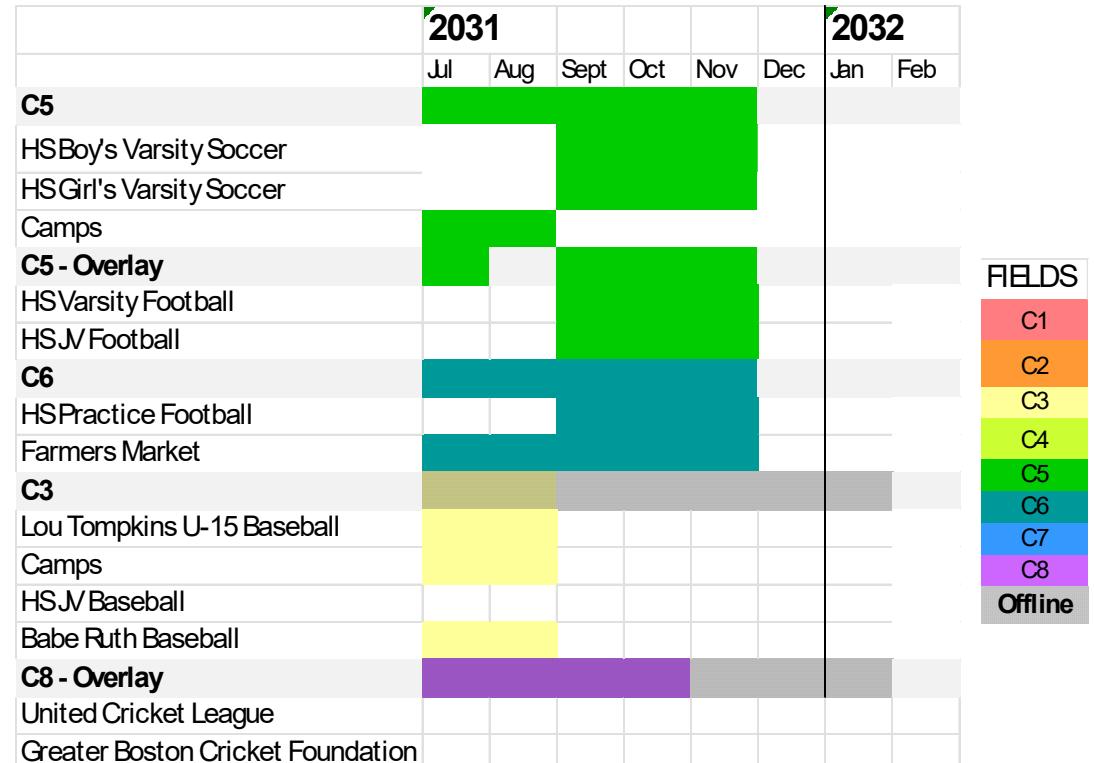


## Introduction: Athletic Fields & Current Use & Impacts/ Build in Place



### Phase 5 July 2031 – January 2032

- Complete Field Restoration



## **Introduction: Athletic Fields & Current Use & Impacts**

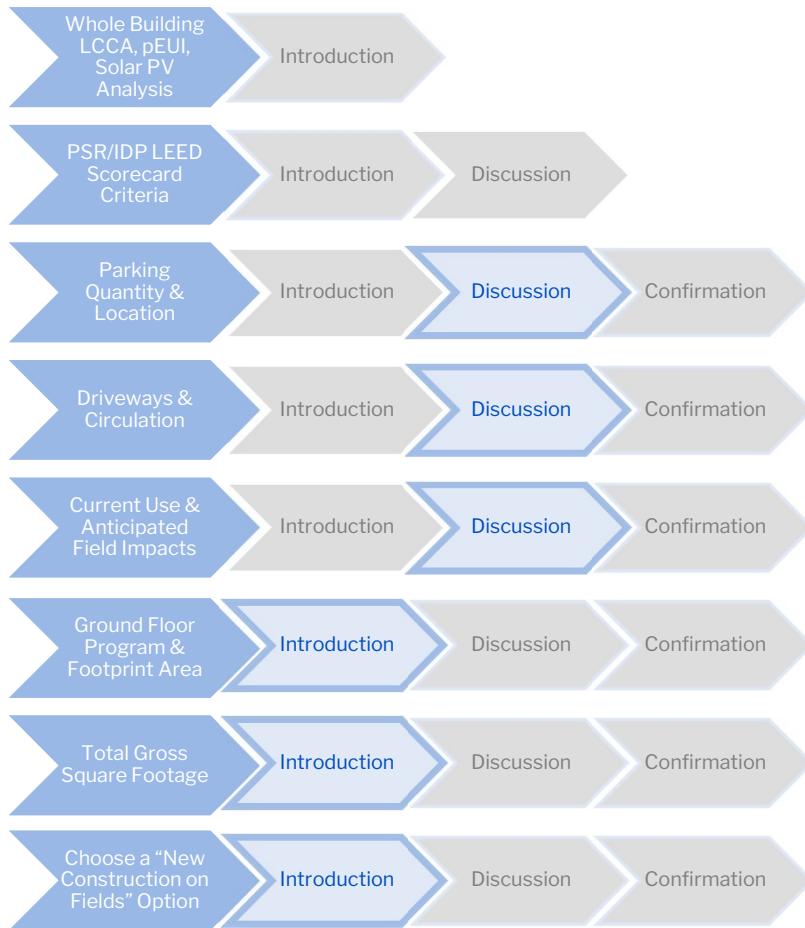
### **Goals**

- Minimize quantity of fields disrupted
- Minimize amount of time impacted fields will be disrupted
- Ensure that proposed site designs only temporarily impact parkland area or provide no net loss of parkland area while maintaining existing programs

# Next Steps

smma

## Next Steps/ 8.19 SBC Meeting



1. Call to Order
2. Vote Previous Meeting Minutes 12:00 - 12:05 p.m.
  - July 22<sup>nd</sup>, 2024
3. Discussion with Estimator 12:05 – 12:30 p.m.
4. Discuss PSR IDP/LEED Scorecard Criteria 12:30 – 12:45 p.m.
5. Introduce Parking Quantity and Location, Driveways & Circulation, and Current Use & Anticipated Impacts of Fields 12:45 – 1:30 p.m.
6. Review August 14<sup>th</sup> Community Meeting 1:30 – 1:45 p.m.
7. Public Comment 1:45 – 1:55 p.m.
8. Reflections/Action Items 1:55 – 2:00 p.m.
9. Adjourn – 2:00 p.m.

## **DORE + WHITTIER** August 14<sup>th</sup> Community Meeting – August 5<sup>th</sup>, 2024, 12:00PM

- Panel Session Topics:
  - Scope (Ed Plan and Costs) – M.Cronin & J.Hackett
  - Location/Impact – J.Himmel & H.M. Sha
  - Community Values – K.Lenihan & D.Voss (M.Sandeen fill-in)
- Format
  - Introduction
  - Review of each topic and Q&A (25-30 minutes each)
  - Closing comments/questions
- Moderation
  - 2 Minutes per question?
  - Timed responses?
  - Dore & Whittier to monitor the webinar

1. Call to Order
2. Vote Previous Meeting Minutes 12:00 - 12:05 p.m.
  - July 22<sup>nd</sup>, 2024
3. Discussion with Estimator 12:05 – 12:30 p.m.
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6. Review August 14<sup>th</sup> Community Meeting 1:30 – 1:45 p.m.
7. Public Comment 1:45 – 1:55 p.m.
8. Reflections/Action Items 1:55 – 2:00 p.m.
9. Adjourn – 2:00 p.m.

1. Call to Order
2. Vote Previous Meeting Minutes 12:00 - 12:05 p.m.
  - July 22<sup>nd</sup>, 2024
3. Discussion with Estimator 12:05 – 12:30 p.m.
4. Discuss PSR IDP/LEED Scorecard Criteria 12:30 – 12:45 p.m.
5. Introduce Parking Quantity and Location, Driveways & Circulation, and Current Use & Anticipated Impacts of Fields 12:45 – 1:30 p.m.
6. Review August 14<sup>th</sup> Community Meeting 1:30 – 1:45 p.m.
7. Public Comment 1:45 – 1:55 p.m.
8. Reflections/Action Items 1:55 – 2:00 p.m.
9. Adjourn – 2:00 p.m.

1. Call to Order
2. Vote Previous Meeting Minutes 12:00 - 12:05 p.m.
  - July 22<sup>nd</sup>, 2024
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6. Review August 14<sup>th</sup> Community Meeting 1:30 – 1:45 p.m.
7. Public Comment 1:45 – 1:55 p.m.
8. Reflections/Action Items 1:55 – 2:00 p.m.
9. Adjourn – 2:00 p.m.

# Thank you