

BORA



PORTLAND PUBLIC SCHOOLS

Ida B. Wells High School

Community Design Workshop #3
February 3, 2024

after BRUCE
public relations & marketing

WALKER | MACY **kpff**

DESIGN TEAM HERE TODAY



Donna Bezio
PPS



Erik Gerding
PPS



Hector Lopez
PPS



Stefée Knudsen
Bora



Amy Donohue
Bora



Amelie Reynaud
Bora



Aisha Marcos
Bora



Corey Squire
Bora



Mireaya Medina
After Bruce



who is in the room?

- parent
- student
- staff
- neighbor
- friend
- CPC member
- innocent bystander?

CPC: Comprehensive Planning Committee

AGENDA

Overview + Introduction 00:05

Objectives + Look Ahead 00:05

What We've Heard: CPC 3 + CDW 2 00:25

Carbon: Embodied + Operational 00:10

Refined Site Design Options 00:20

Refined Site Design Options: Feedback Exercise 00:40

Public Comments 00:10

Close + Next Steps 00:05

meeting notes
from CDW #2 are
posted on the PPS
Bond website!

OBJECTIVES FOR TODAY

Vision Statement & Guiding Principles: review updated Vision Statement and Guiding Principles.

Site Approach: input towards a single option (not choosing)
“Work toward ONE preferred option to take to the School Board.”

- **Experience:** what it feels like? Does it reflect the values of IBWHS?
- **Function:** how does it work?
 - Arrival and connection to/from Capital Hwy?
 - Arrival and access to the pool?
 - Vehicular and Pedestrian access to building to/from site?

modernizations are about the **physical space**

- how it looks and feels
- how the infrastructure supports teaching & learning

this work is **not about operations**

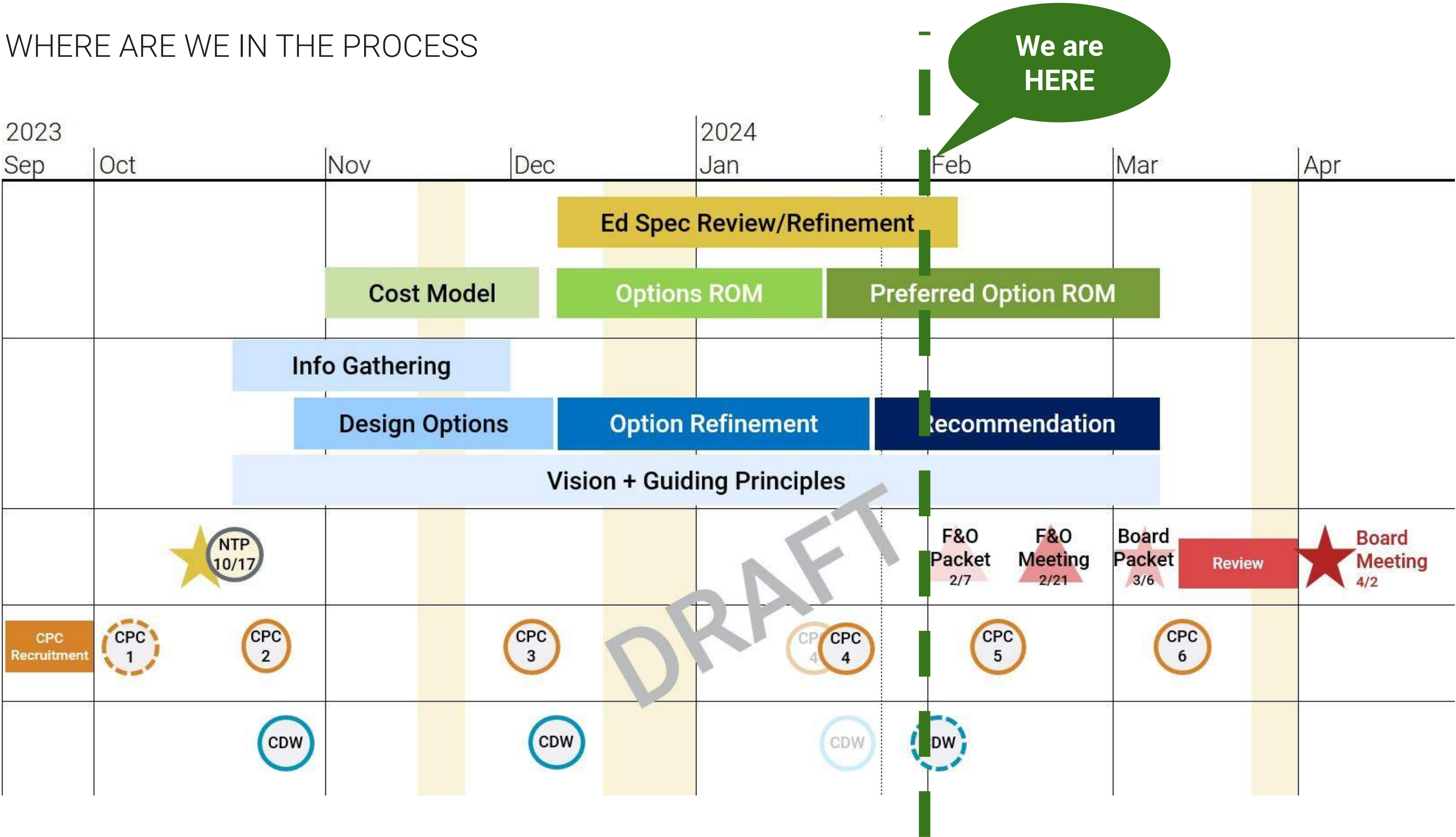
- how it is managed
- what types of classes or functions are inside



Your input helps us understand qualitative questions:

experience, uniqueness, and the culture of this school.

WHERE ARE WE IN THE PROCESS



WHERE ARE WE IN THE BIG PICTURE

We are
HERE

2019
Comprehensive
Master Plan

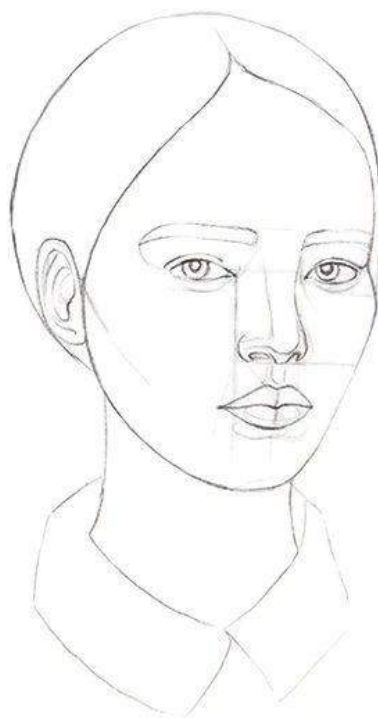
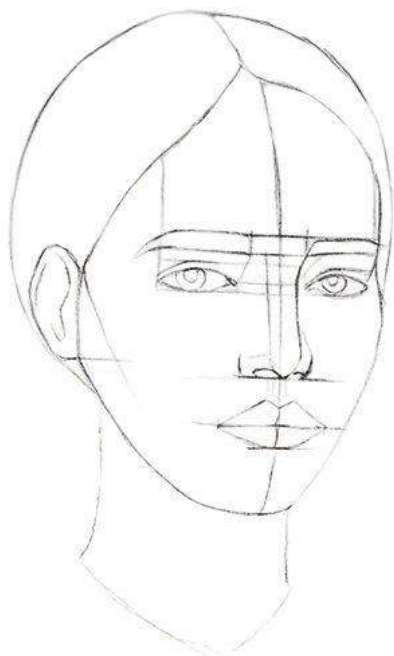
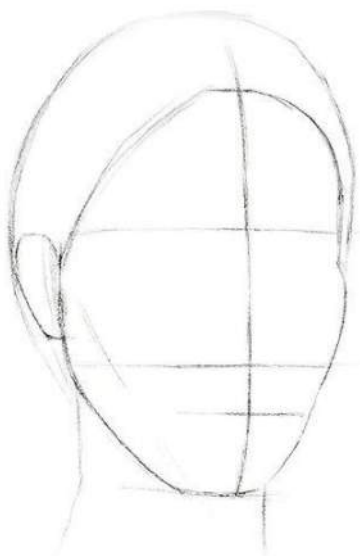
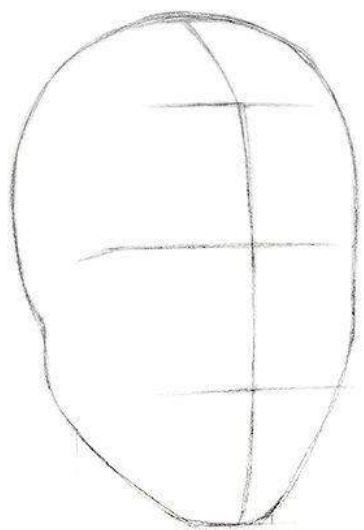
2023-24
**Comprehensive
Planning**

Schematic
Design

Design
Development

Permit
Documents

Ready for
Construction!



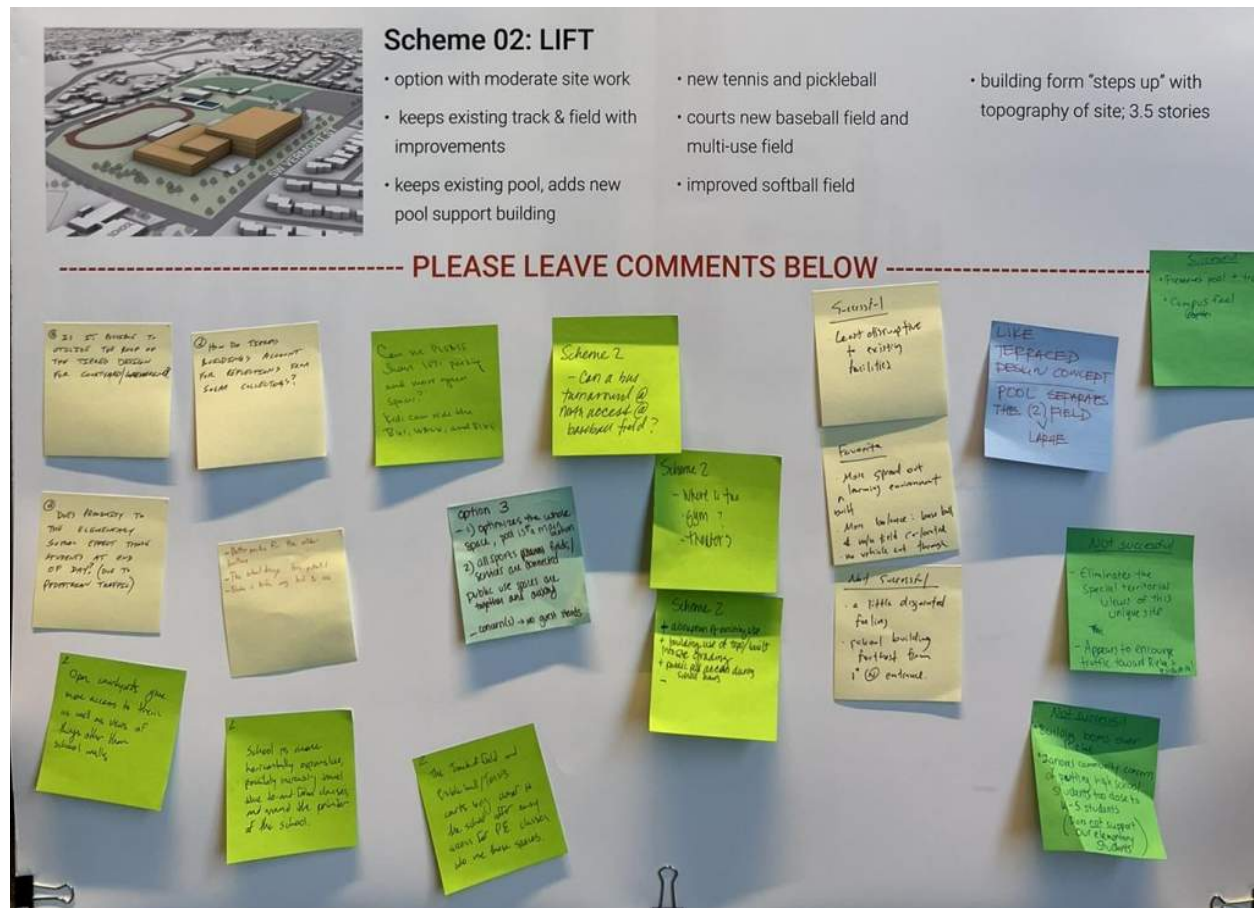
TYPICALLY
18-24 MONTHS

TYPICALLY
24-36 MONTHS

What We've Heard

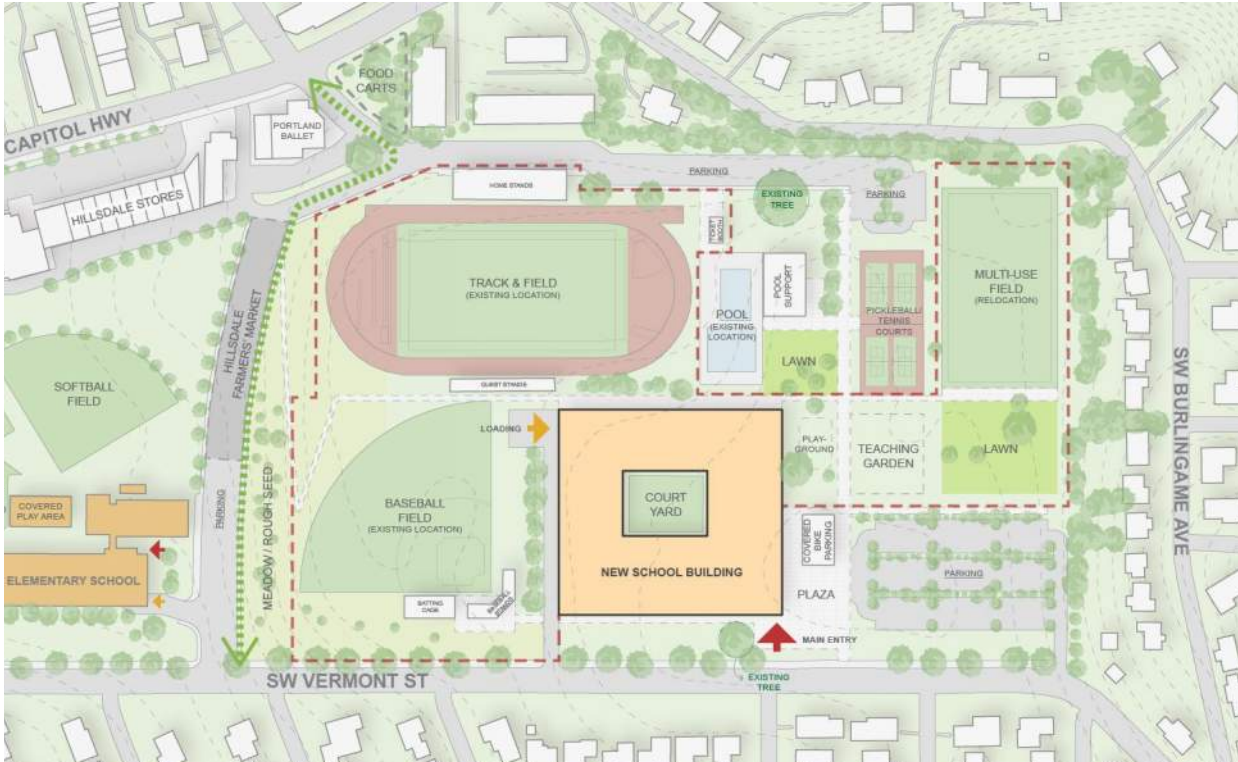


WHAT WE'VE HEARD



WHAT WE'VE HEARD

1 - GATHER



SUCCESSSES

- Smaller footprint = more open site space
- Maintains major site elements in same place; less disruption
- 4-story building = better views!

CHALLENGES

- Weak connection to Capitol Hwy
- Difficult loading access
- Fully enclosed courtyard is uninviting & disconnected
- Not enough parking near Capitol Hwy
- 4-stories feels too tall and cramped

2 - LIFT



SUCCESSSES

- Minimizes western sun exposure
- Ideal baseball field orientation
- Variety of courtyards that are connected to site
- 2 or 3 stories is better for neighborhood scale
- Massing integrates with natural landscape

CHALLENGES

- Weak connection to Capitol Hwy
- Too close to Rieke Elementary
- Not enough parking near Capitol Hwy
- Difficult access to west side of building

3 - CONNECT



SUCCESSSES

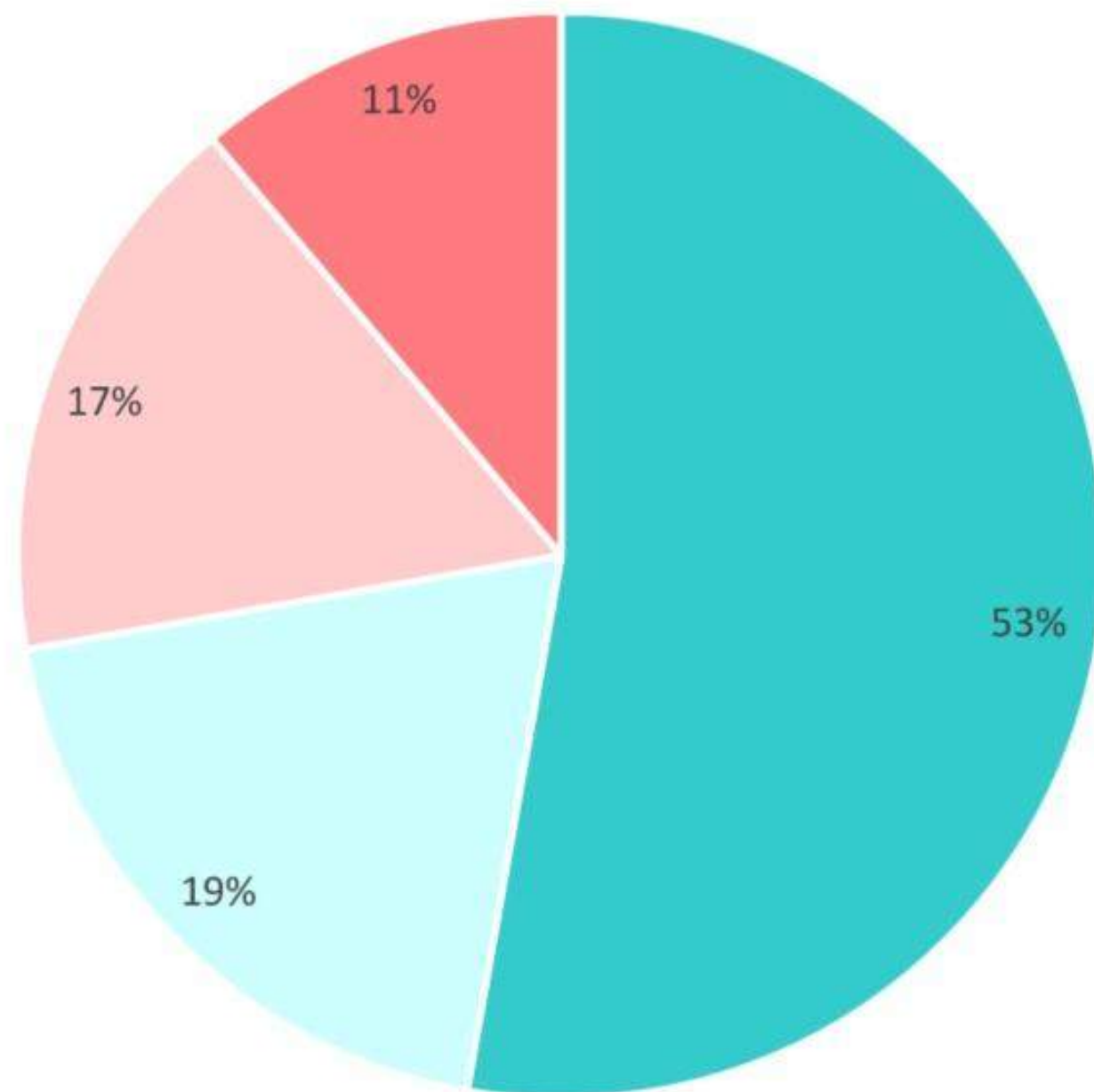
- Strong connection to Capitol Hwy
- Ideal baseball field and track & field orientation
- Parking convenient at both sides of building
- Centers building on campus
- Courtyard connects to site and views
- 2 or 3 stories is better for neighborhood scale

CHALLENGES

- Pool relocation is likely costly
- Pool is further away from Hillsdale businesses
- Moves more site elements; more disruption
- Harder to minimize western sun exposure
- Grandstand facing west

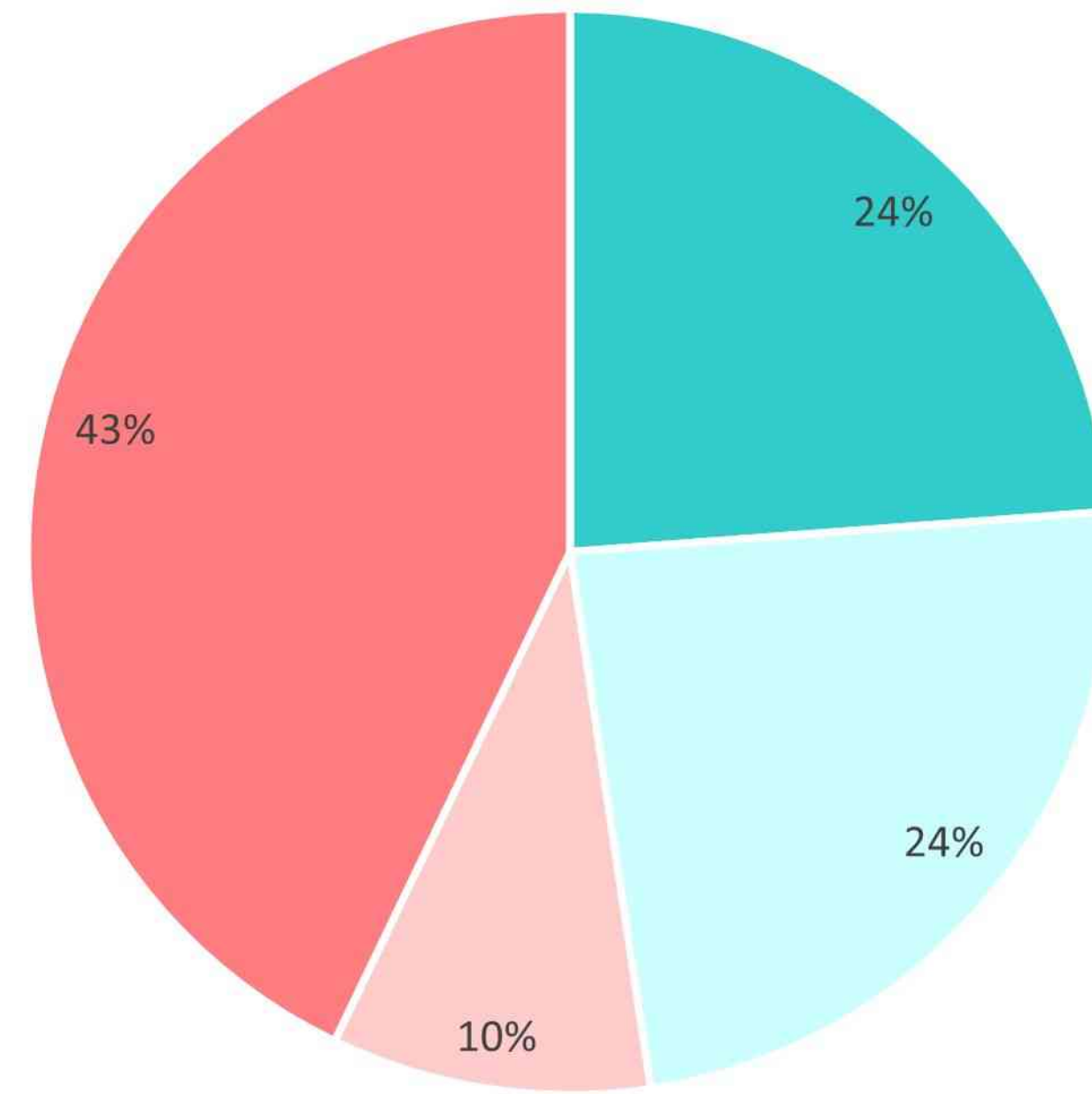
WHAT WE'VE HEARD - POOL

Community



- Strong advocate for keeping public pool
- Moderate advocate for keeping public pool
- Moderate advocate for optimal modern campus
- Strong advocate for optimal modern campus

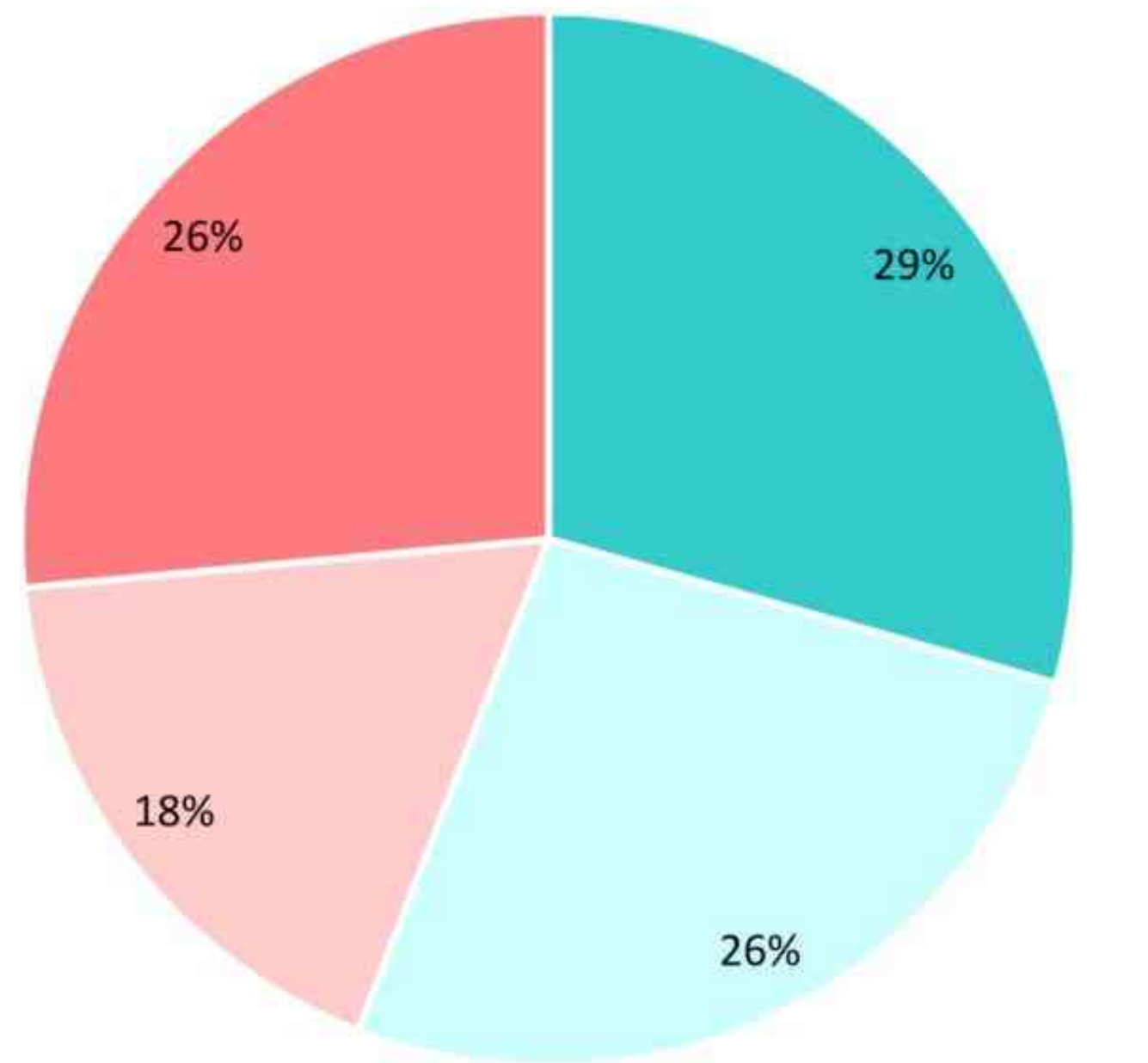
CPC



- Strong advocate for keeping public pool
- Moderate advocate for keeping public pool
- Moderate advocate for optimal modern campus

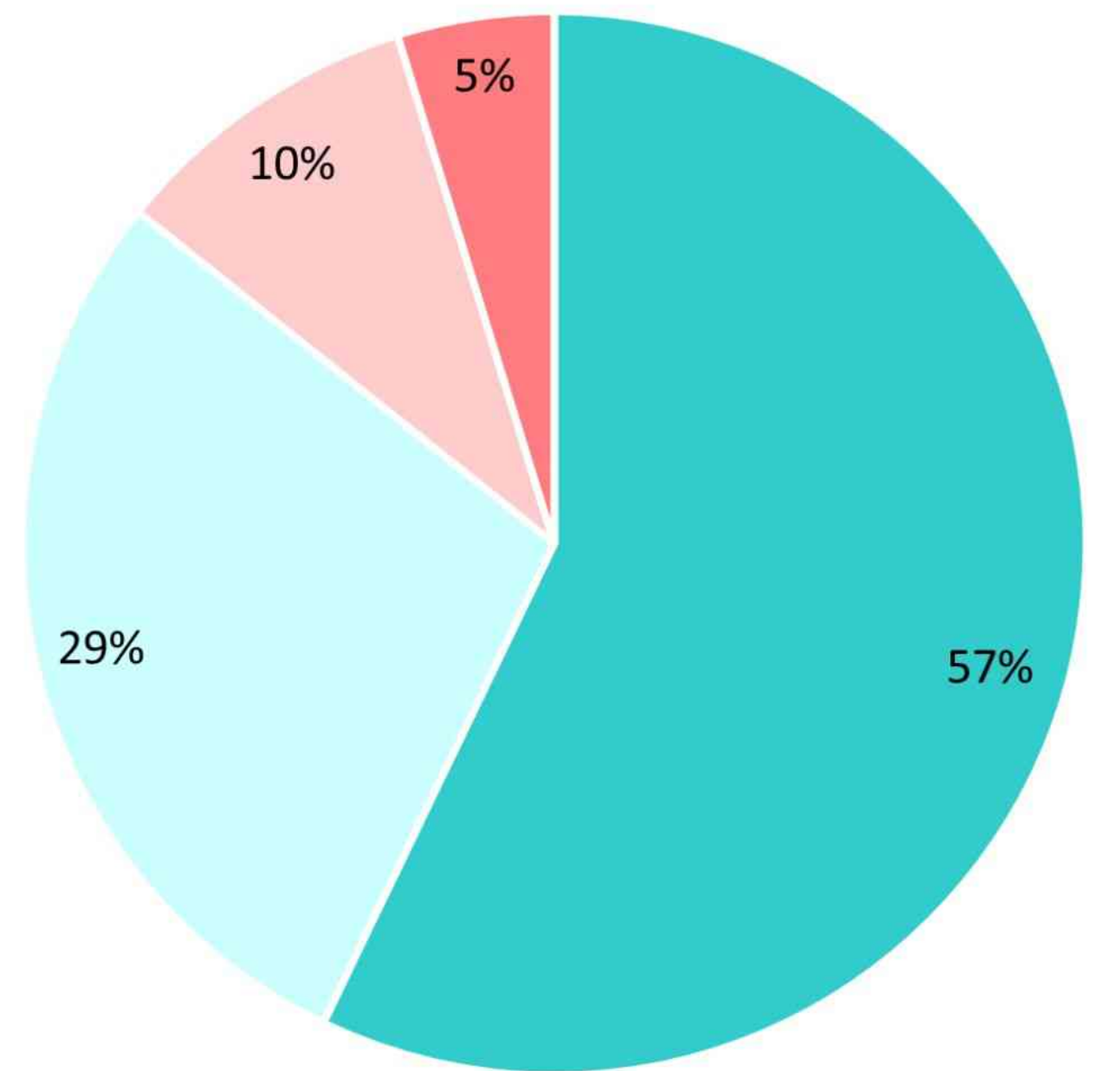
WHAT WE'VE HEARD - TRACK AND FIELD DISRUPTION

Community



- Strong advocate for optimizing T&F placement
- Moderate advocate for optimizing T&F placement
- Moderate advocate for keeping T&F open during construction

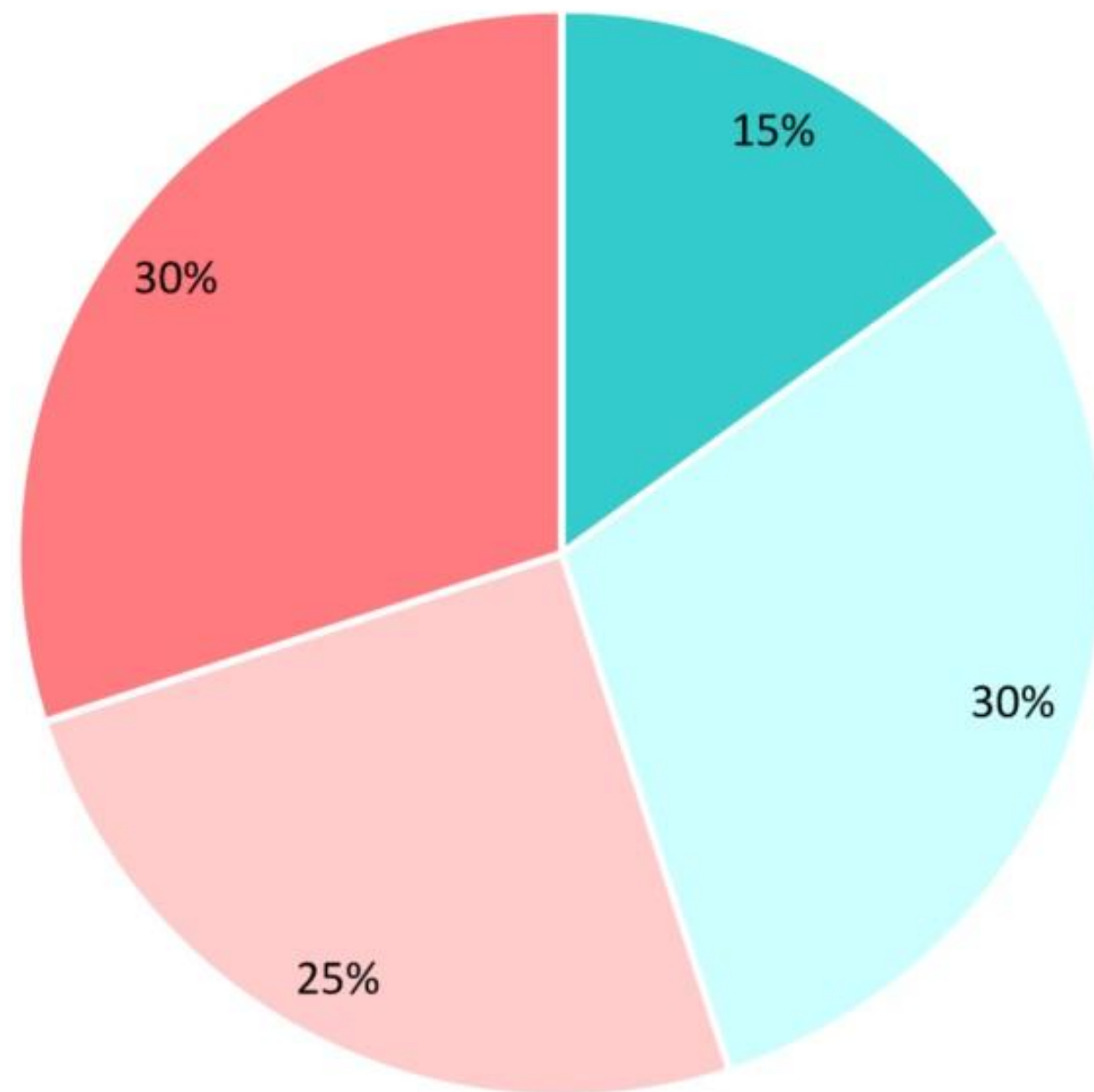
CPC



- Strong advocate for optimizing T&F placement
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- Strong advocate for keeping T&F open during construction

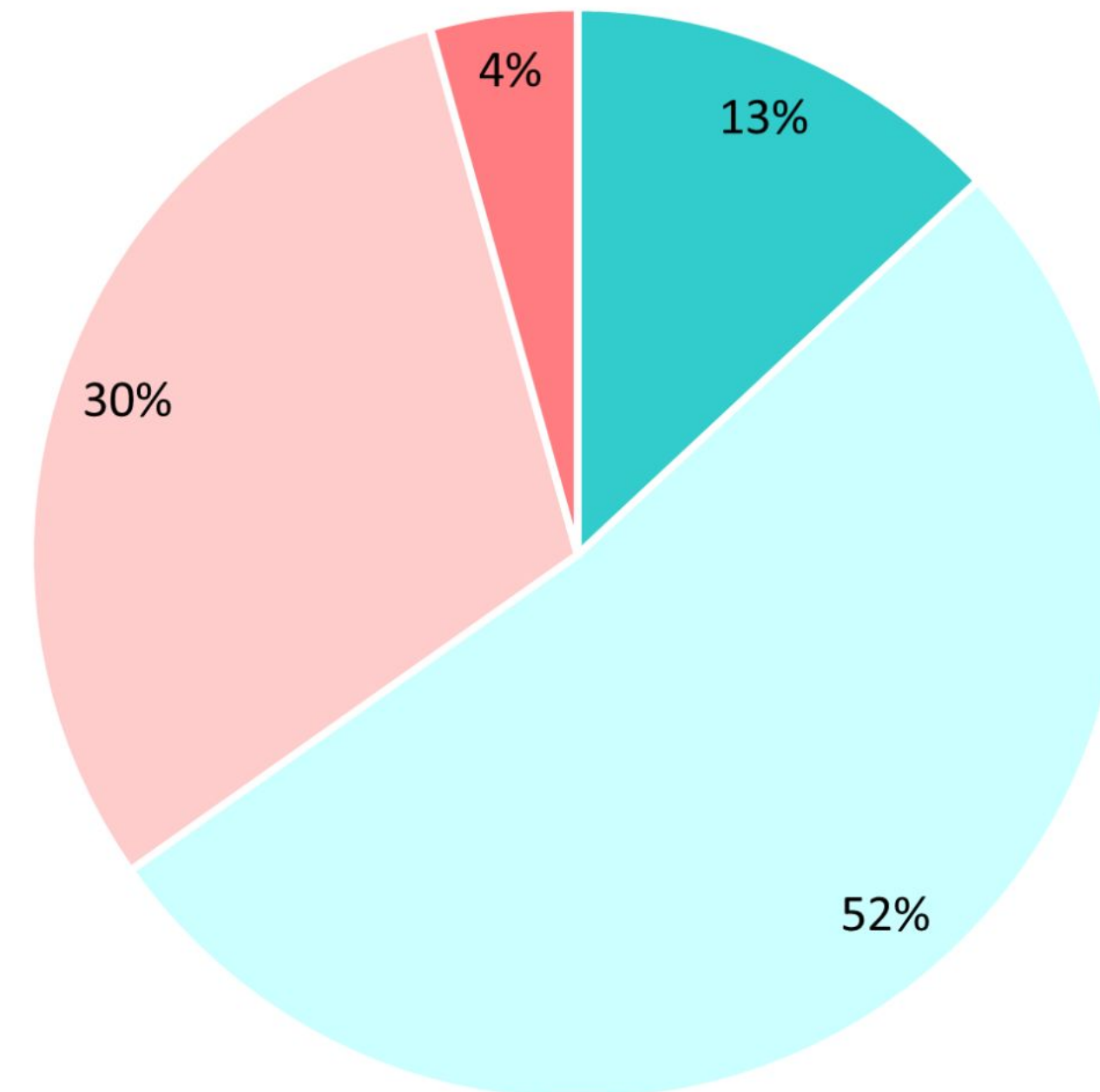
WHAT WE'VE HEARD - ENTRY

Community



- Strong advocate for entry from Vermont
- Moderate advocate for entry from Vermont
- Moderate advocate for entry from Capitol HWY
- Strong advocate for entry from Capitol HWY

CPC



- Strong advocate for entry from Vermont
- Moderate advocate for entry from Vermont
- Moderate advocate for entry from Capitol HWY
- Strong advocate for entry from Capitol HWY

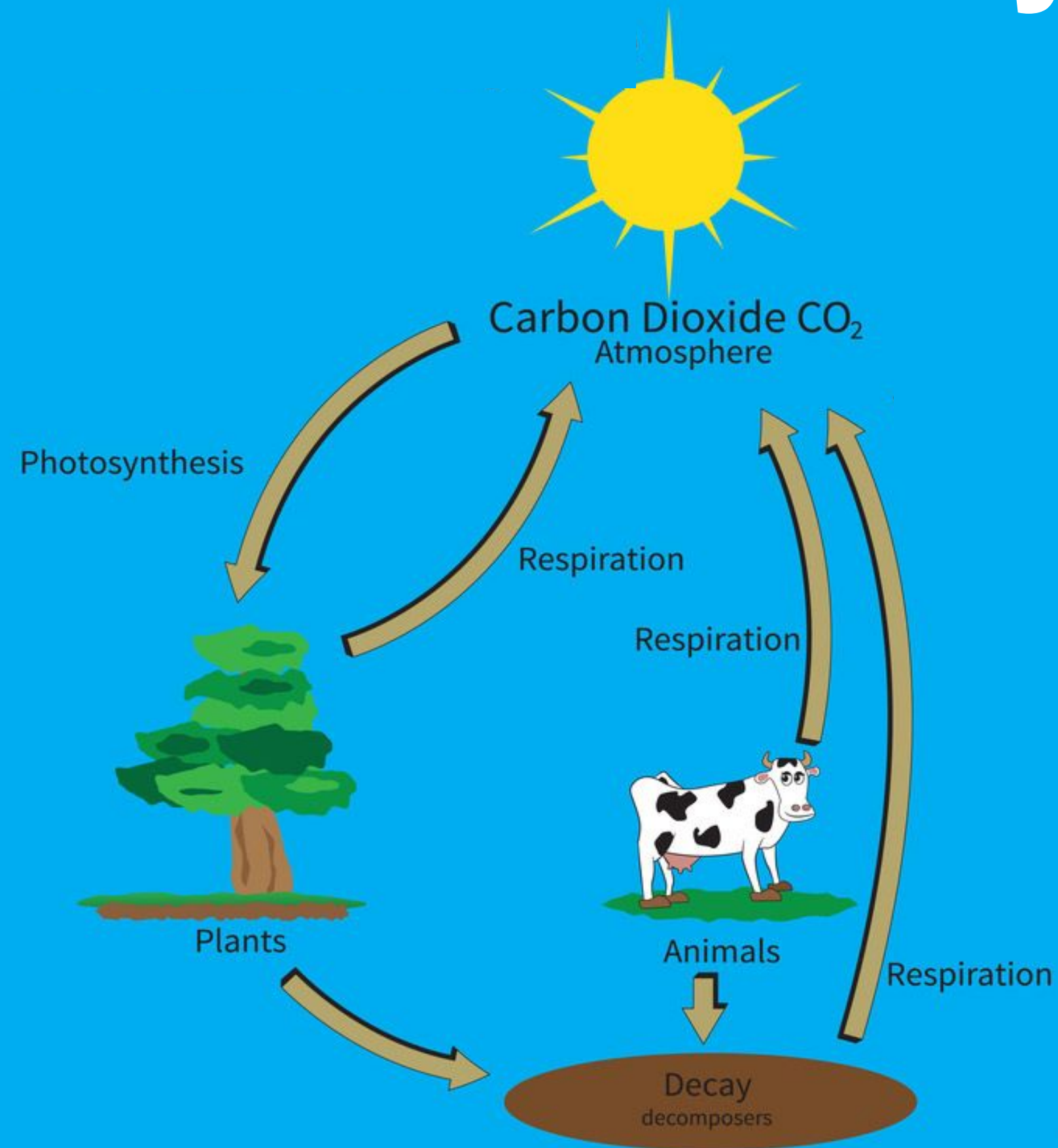
Carbon: Embodied and Operational



Carbon and Design

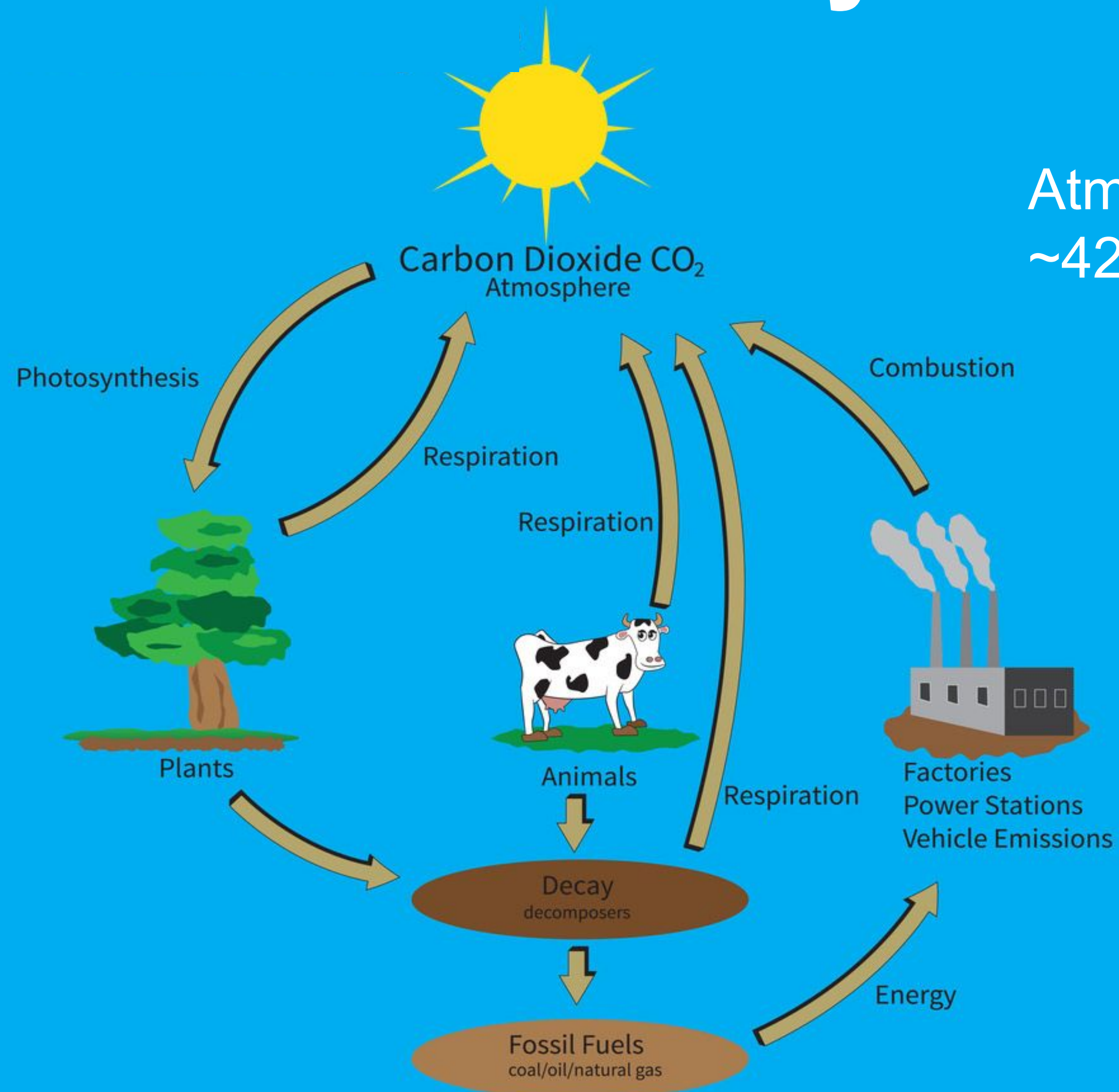


The Carbon Cycle



Atmospheric carbon
~350 ppm

The Carbon Cycle



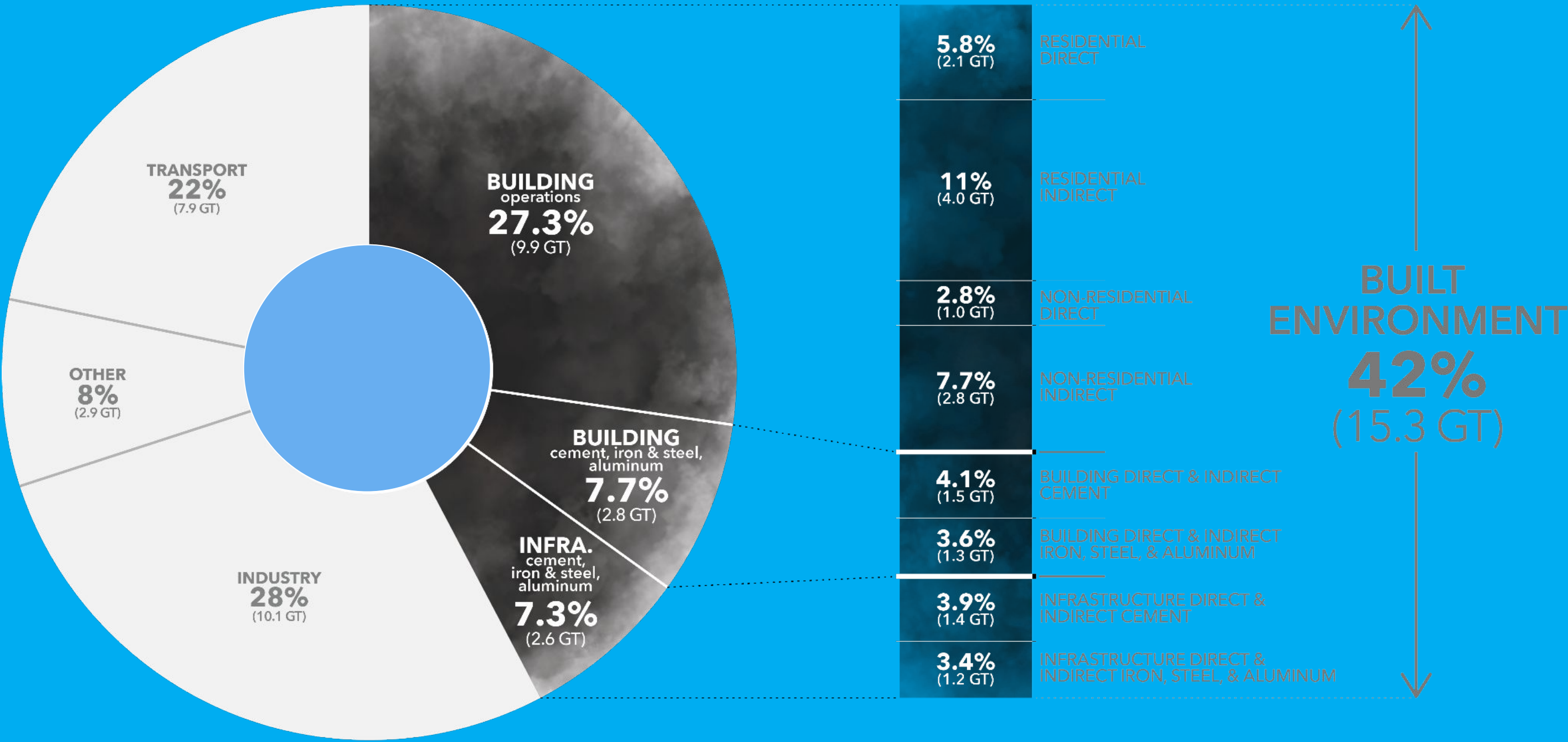
Atmospheric carbon
~421 ppm





TOTAL ANNUAL GLOBAL CO₂ EMISSIONS

Direct & Indirect Energy & Process Emissions (36.3 GT)



The background image shows two tall industrial smokestacks on the left side, each emitting a thick, dark plume of smoke that rises and spreads across the upper half of the frame. The sky is a gradient of orange and yellow, suggesting a sunset or sunrise. In the lower right, the silhouettes of construction cranes and city buildings are visible against the bright sky.

We Know Carbon is Bad

But How Bad??

The Social Cost of Carbon

\$190 / Ton

Each ton of carbon released into the atmosphere costs society \$190

This cost is paid in:

Increased Medical Expenses

Climate Adaptation

Extreme Weather

Scarcity of Resources

Crop Failures

Control of Invasive Species

Loss of Ecosystem services

Life and Limb

General Human Suffering



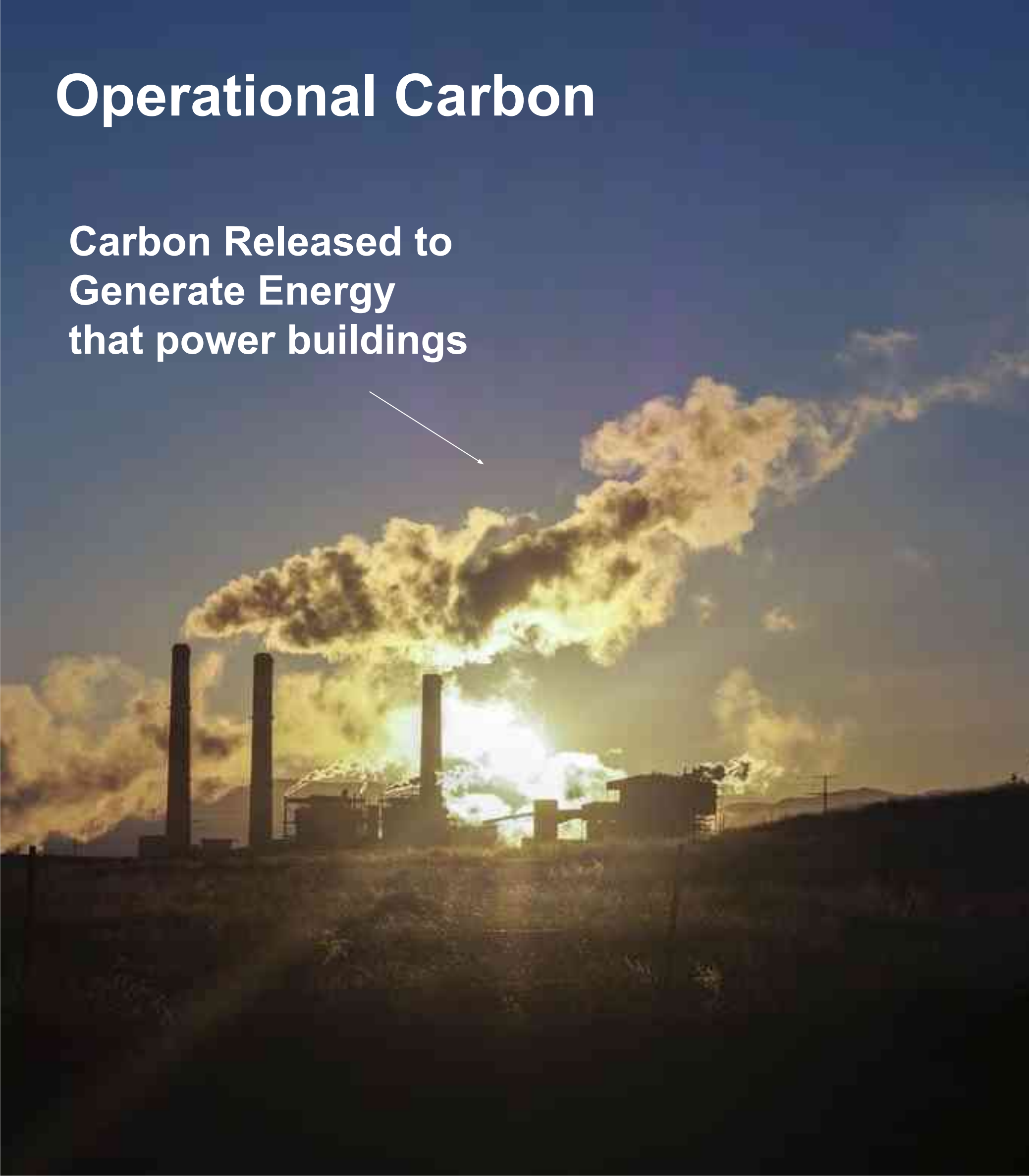
**And carbon emission from buildings are
dependent on design decisions**

Specifically:

Window Systems
Comfort Systems
Structural Systems
Land Use
Transportation

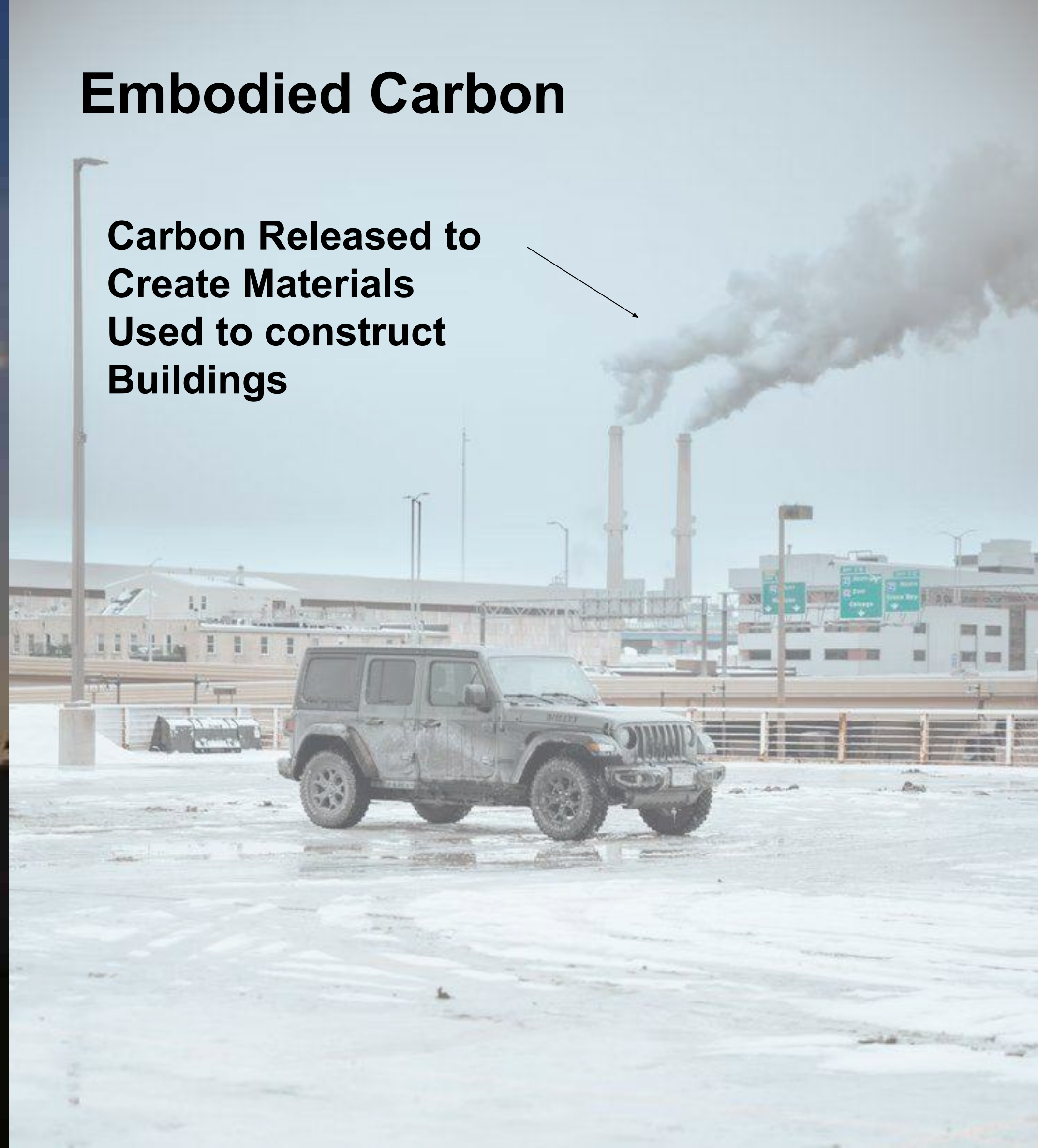
Operational Carbon

**Carbon Released to
Generate Energy
that power buildings**



Embodied Carbon

**Carbon Released to
Create Materials
Used to construct
Buildings**



Operational Carbon

**Energy Efficiency
and
Solar PV**

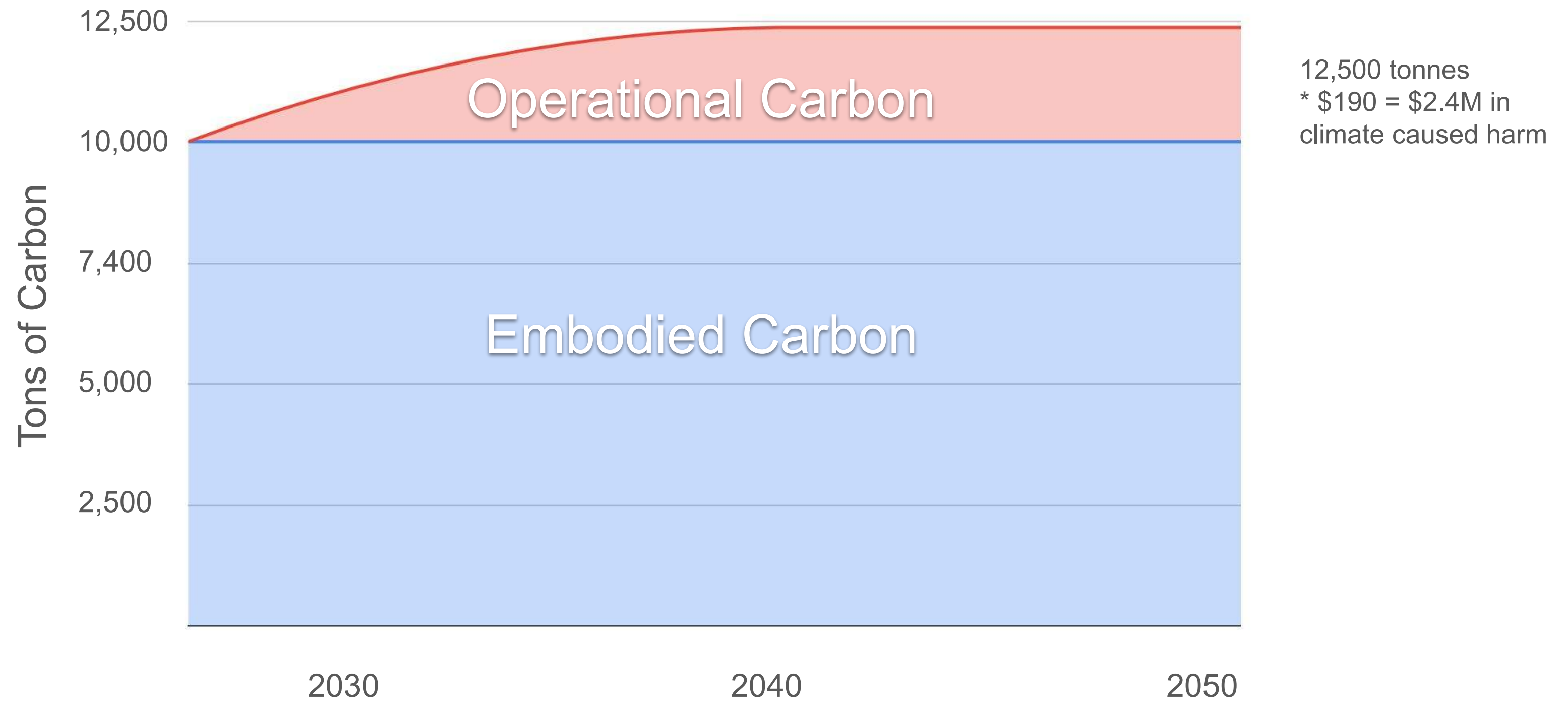
Embodied Carbon

**More wood,
Less concrete
and steel**



Ida B. Wells Cumulative Carbon Emissions

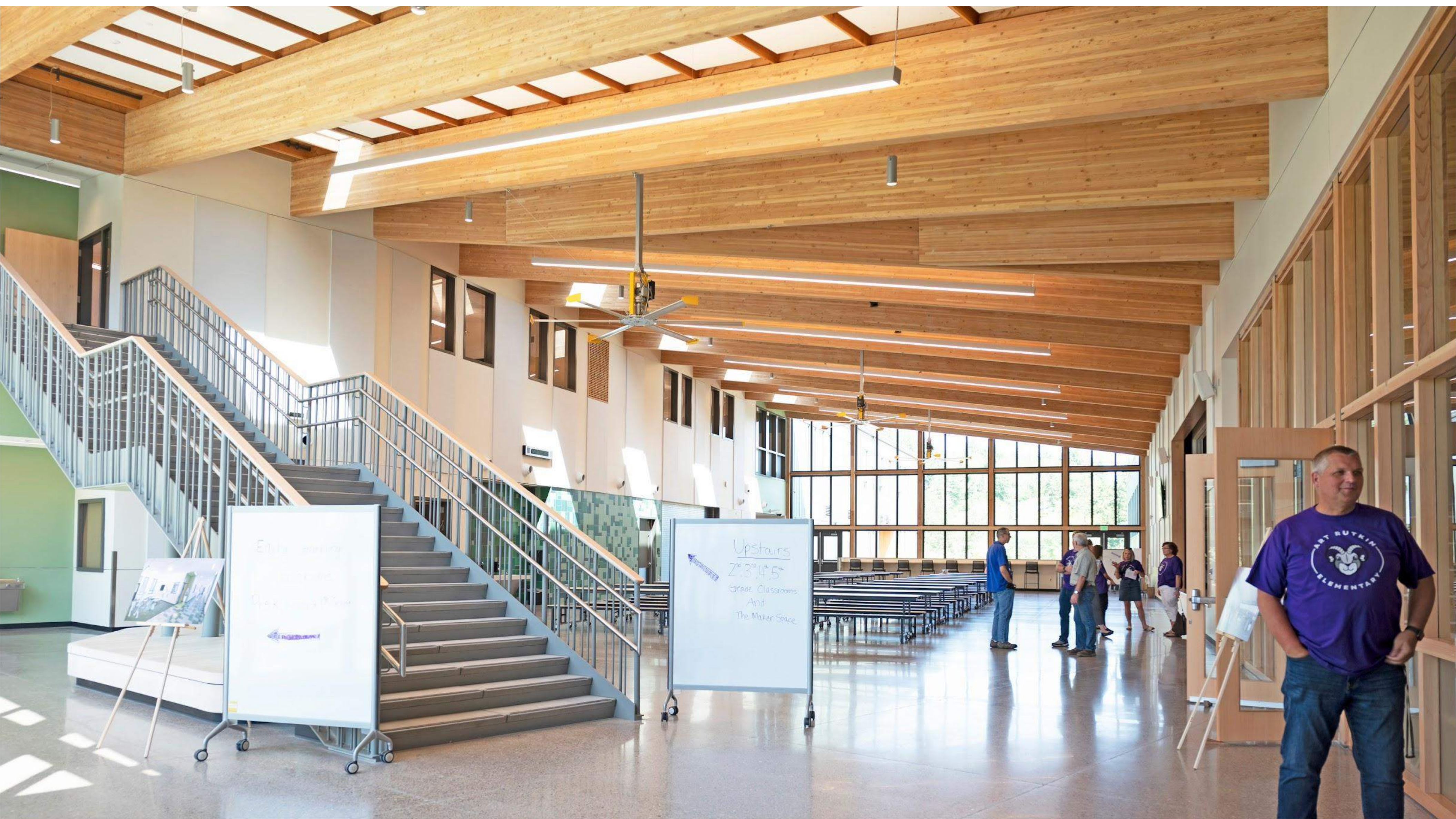
(If build as a typical school)



Embodied Carbon


**More wood,
Less concrete
and steel**





Emissions Reduction:

PPS will reduce its greenhouse gas emissions by 50 percent by 2030, using the 2018-2019 school year baseline, and reach net zero emissions by 2040



Pillar 1

Reduce Environmental Impact and Costs

Goal 1.1

PPS will design and construct new low-carbon schools and renovations that are energy-efficient, resilient, and adaptable.

Questions?

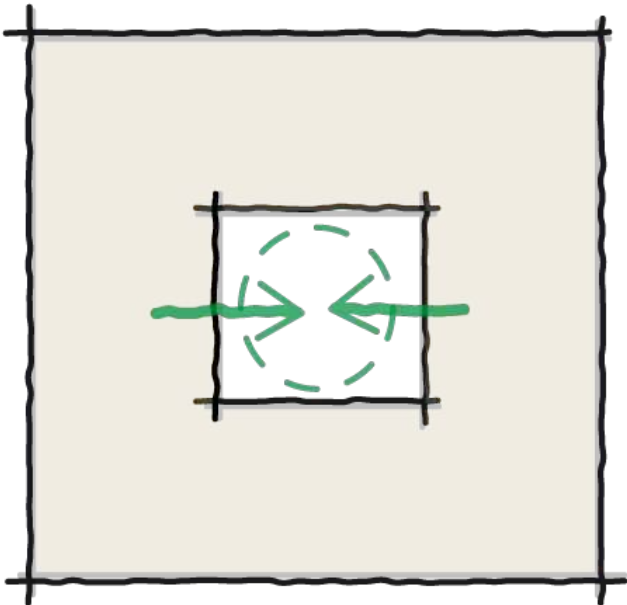


Next month: **Indoor Air Quality** primer post

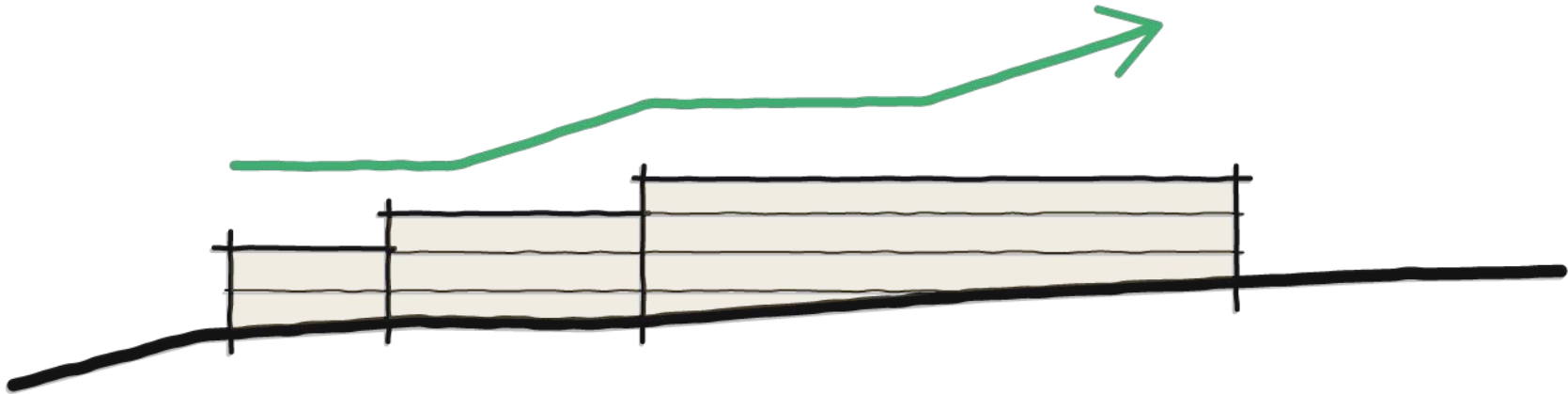
Site Design Options



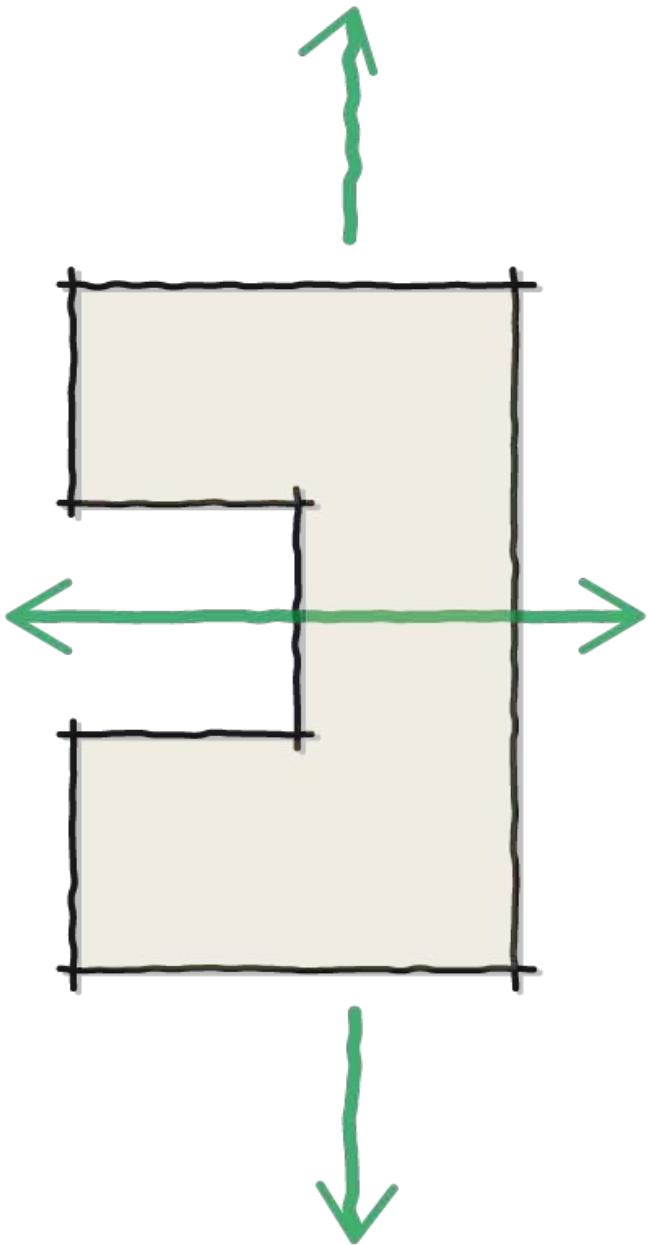
DESIGN CONCEPTS



GATHER

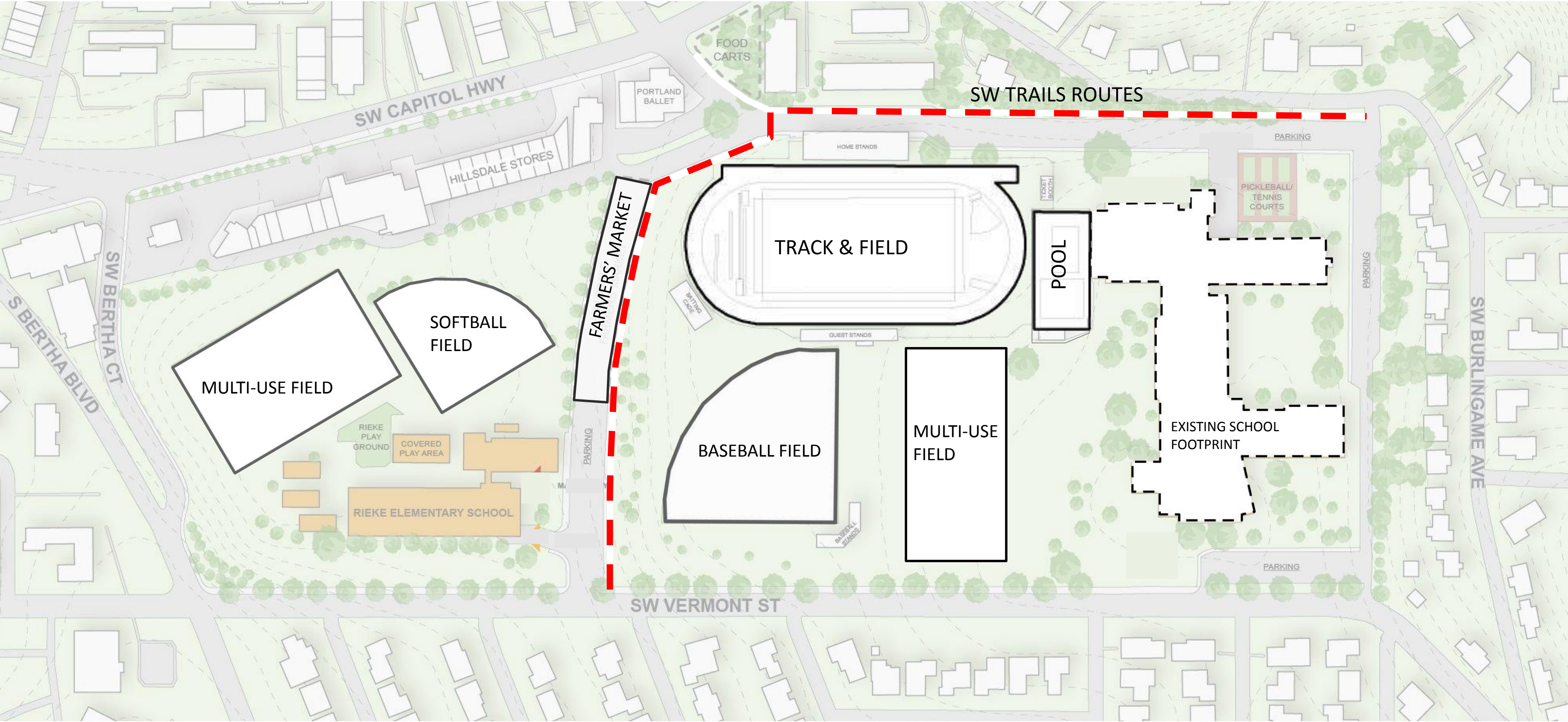


LIFT

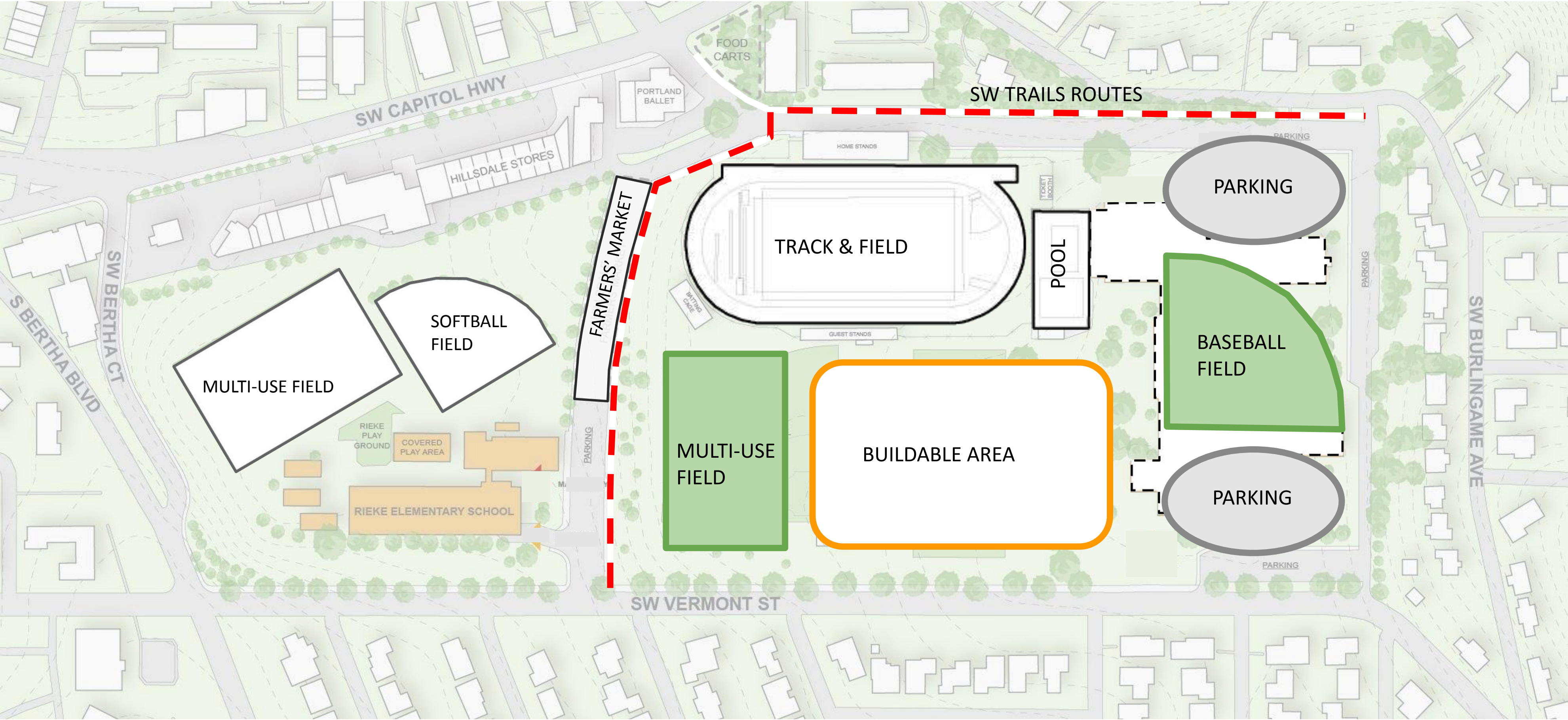


CONNECT

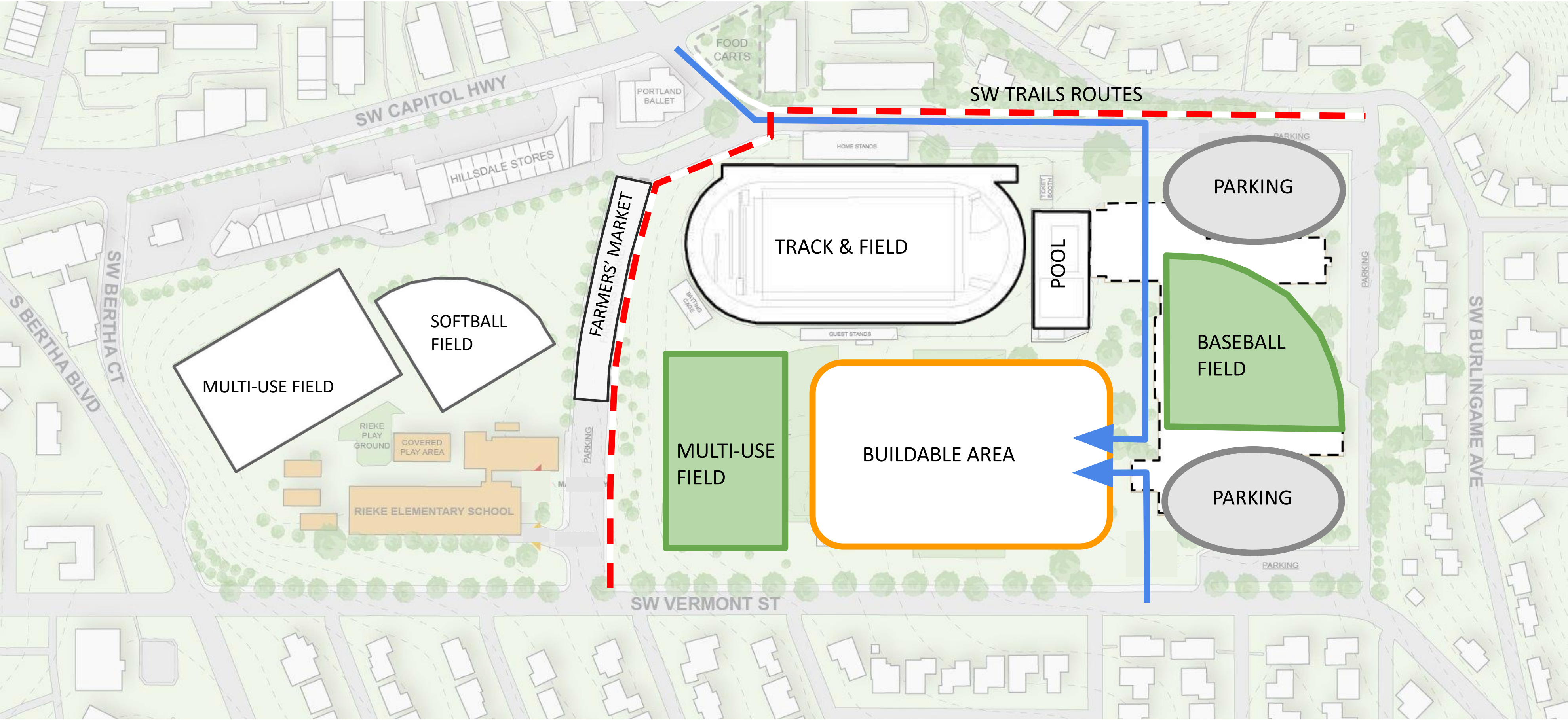
EXISTING SITE - MAJOR ELEMENTS



SCHEME 1 - BUILDABLE AREA



SCHEME 1 - PEDESTRIAN APPROACH



SW TRAILS ROUTES

SW CAPITOL HWY

PORTLAND BALLET

HILLSDALE STORES

SW BERTHA ACT

S BERTHA BLVD

SOFTBALL FIELD

MULTI-USE FIELD

RIEKE PLAY GROUND

COVERED PLAY AREA

RIEKE ELEMENTARY SCHOOL

FARMERS' MARKET

PARKING

TRACK & FIELD

HOME STANDS

GUEST STANDS

BASEBALL FIELD

POOL

TICKET BOOTH

BITING CAGE

PICKLEBALL/ TENNIS COURTS

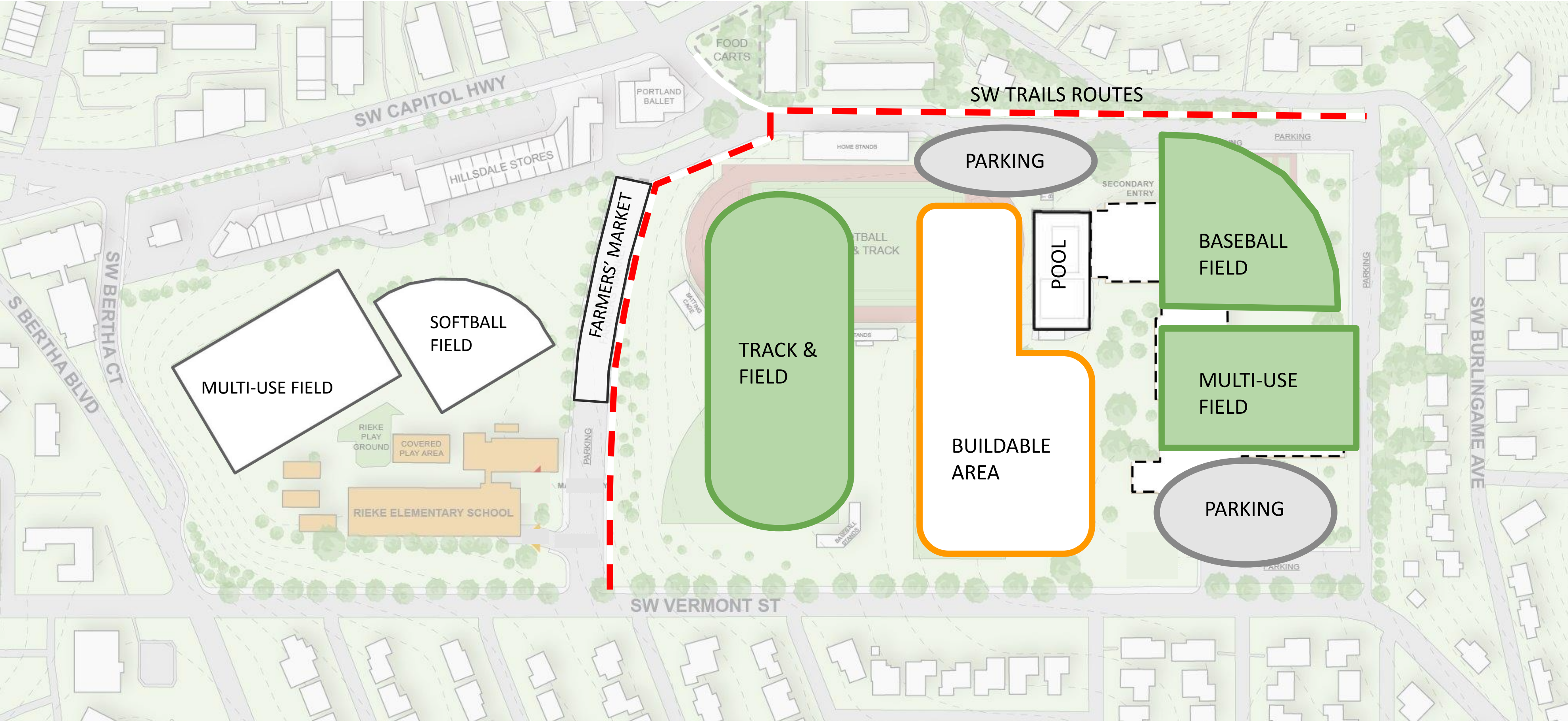
EXISTING SCHOOL FOOTPRINT

PARKING

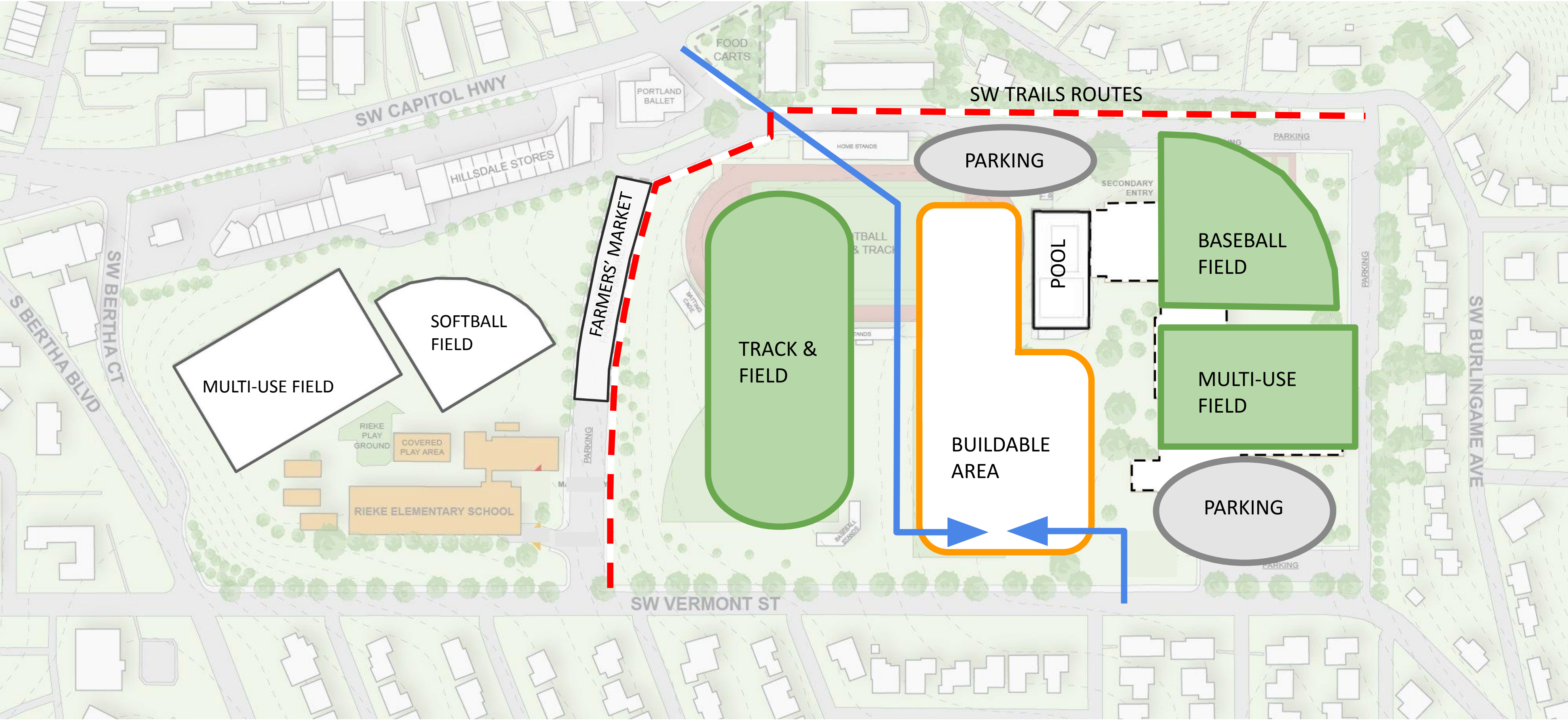
SW VERMONT ST

SW BURLINGAME AVE

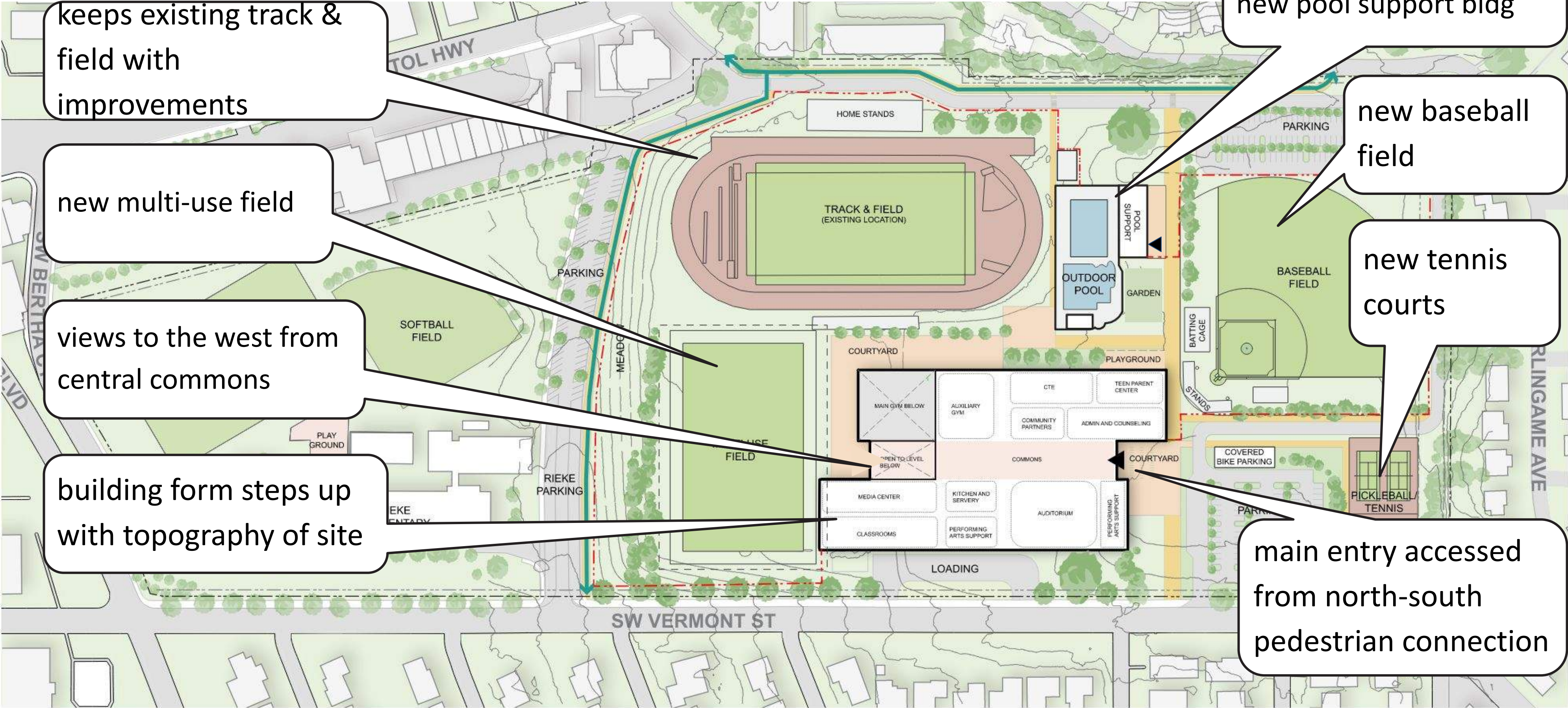
SCHEME 2 - BUILDABLE AREA



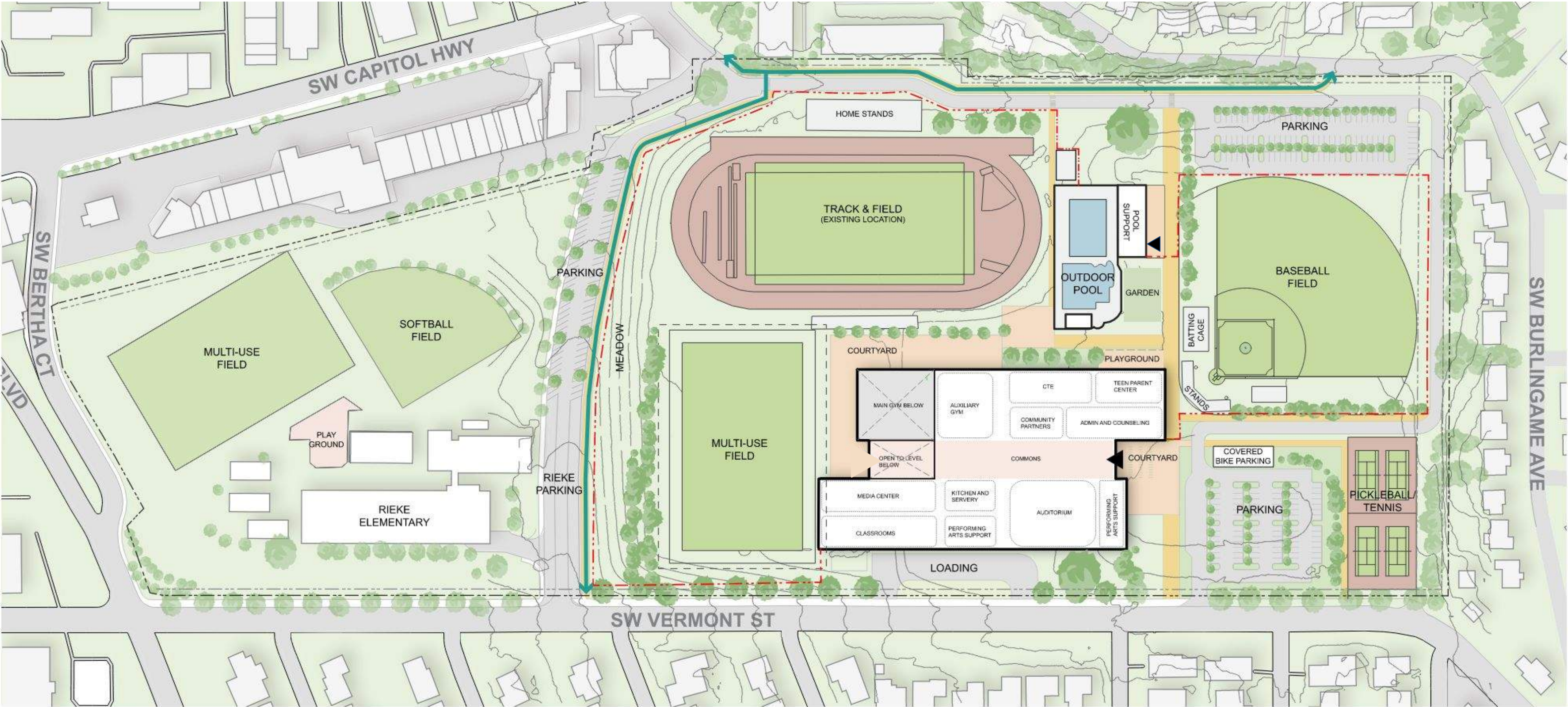
SCHEME 2 - PEDESTRIAN APPROACH



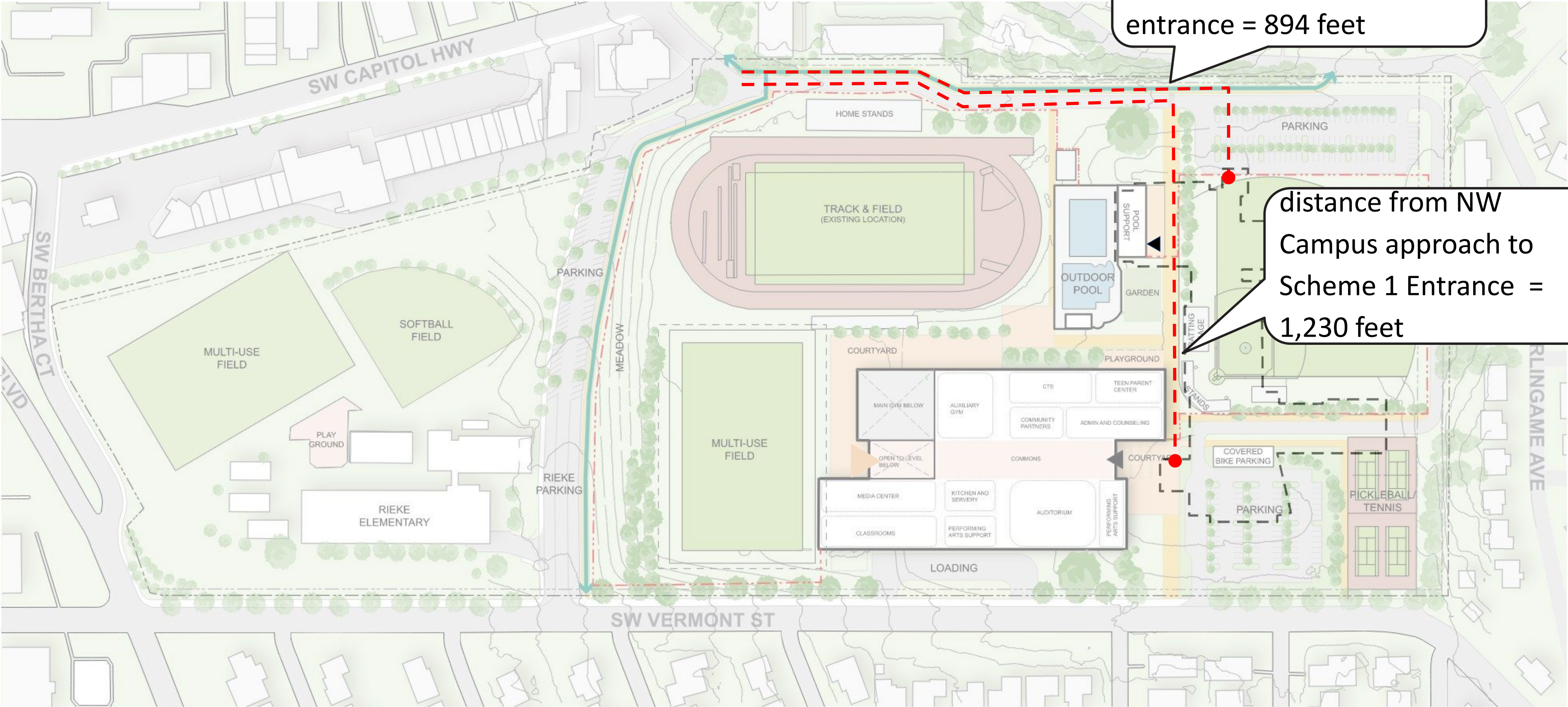
SCHEME 1



SCHEME 1



SCHEME 1 - DISTANCE TO ENTRY FROM NW APPROACH



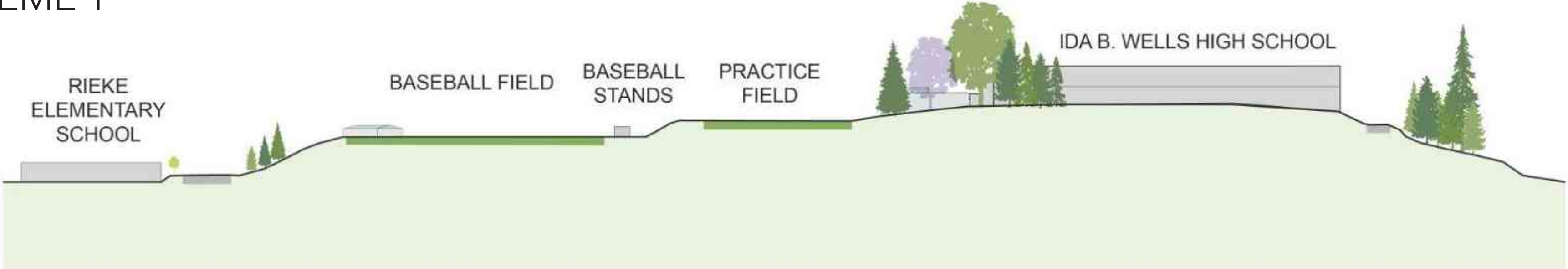
SCHEME 01



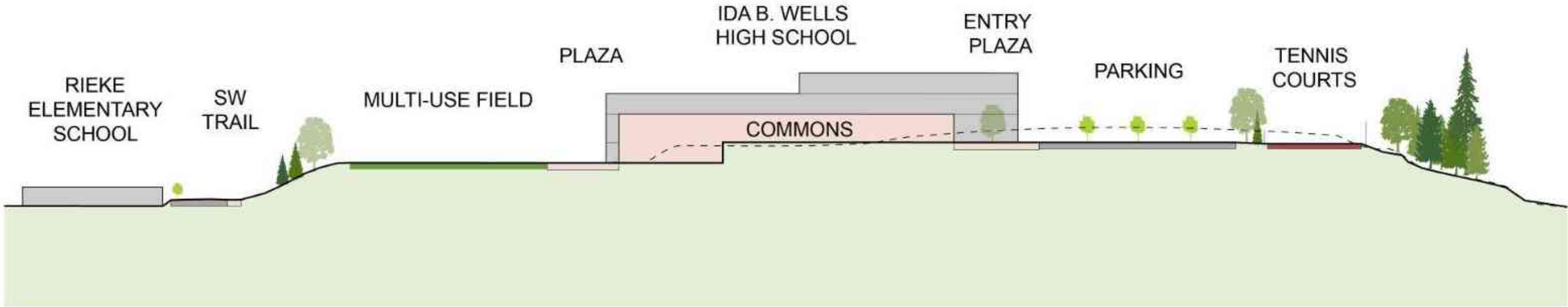
KEY:



SCHEME 1

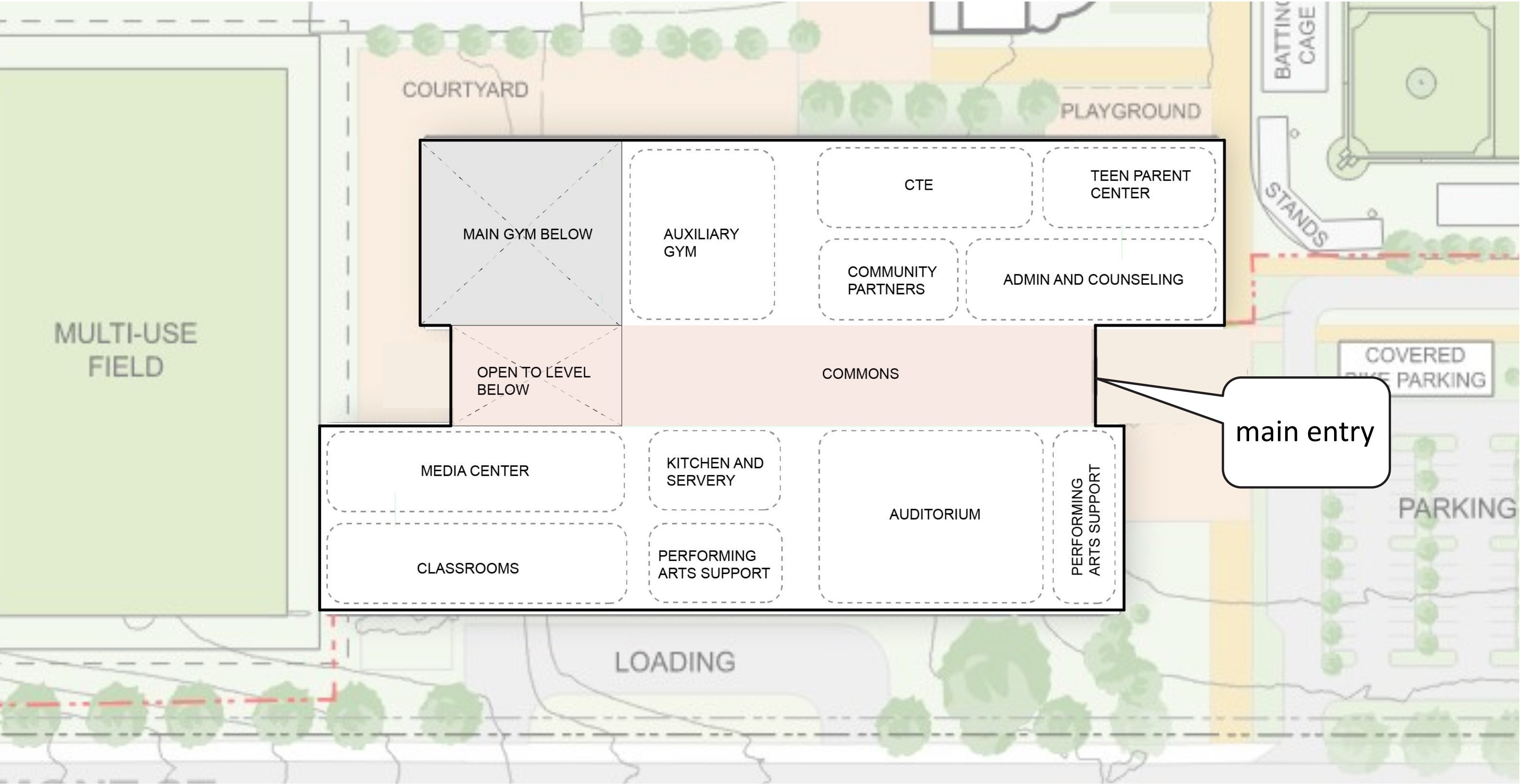


EXISTING CONDITIONS

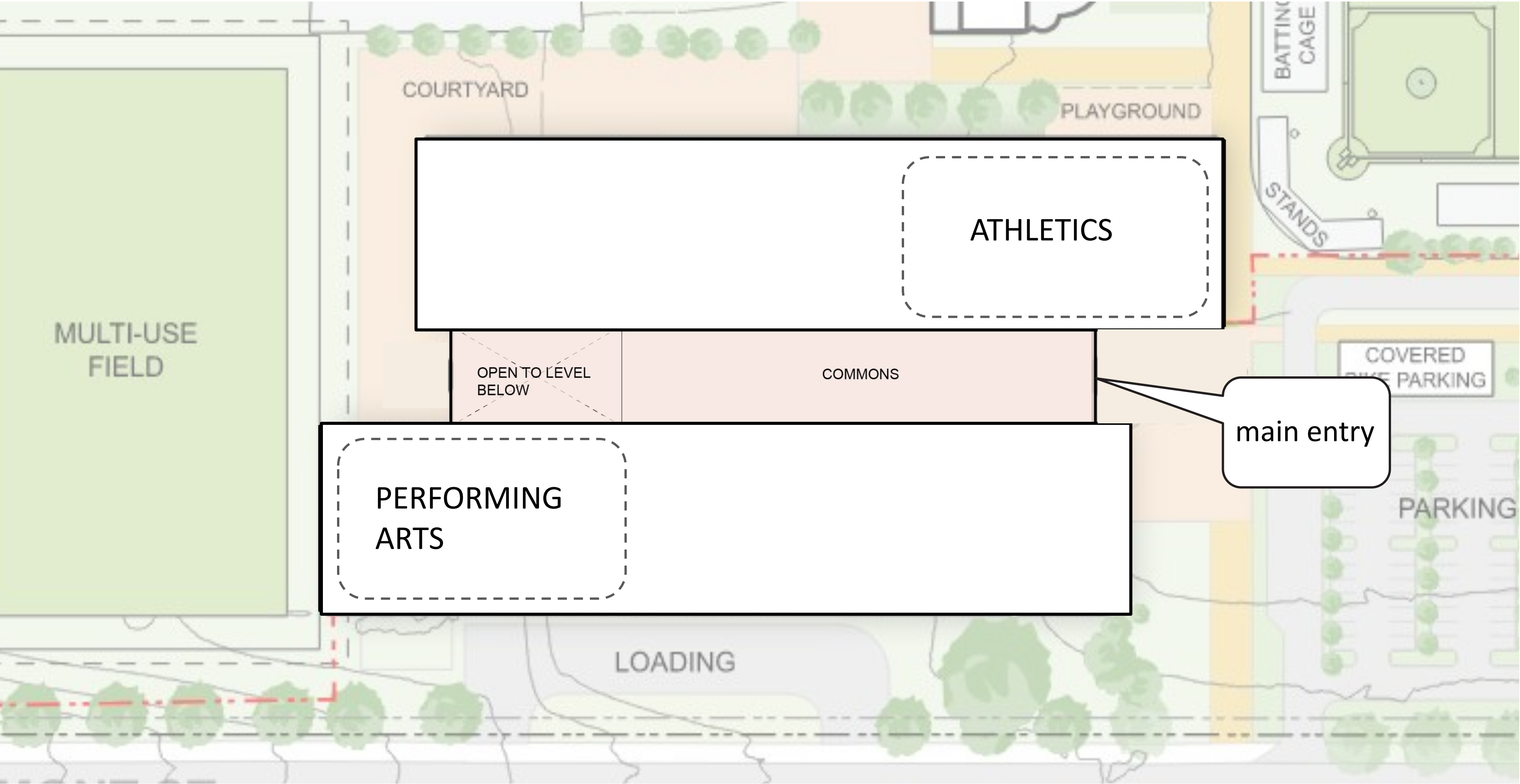


SCHEME 1

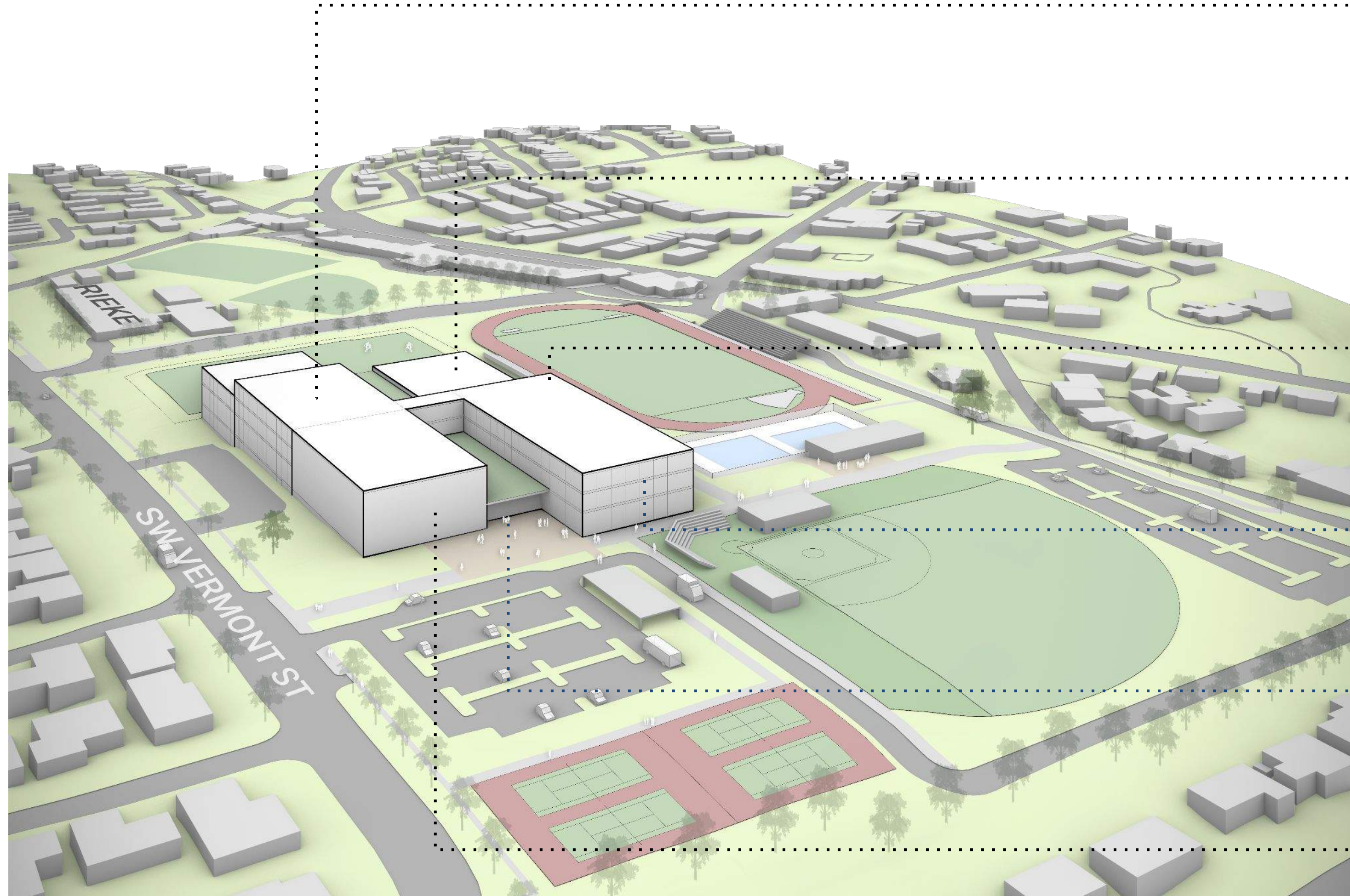
SCHEME 1



SCHEME 1 - ALTERNATE PLAN



SCHEME 1



Building form steps up with natural topography of site

Gyms and athletics close to track & field and multi-use field

Primary "bars" running east-west to minimize western sun exposure

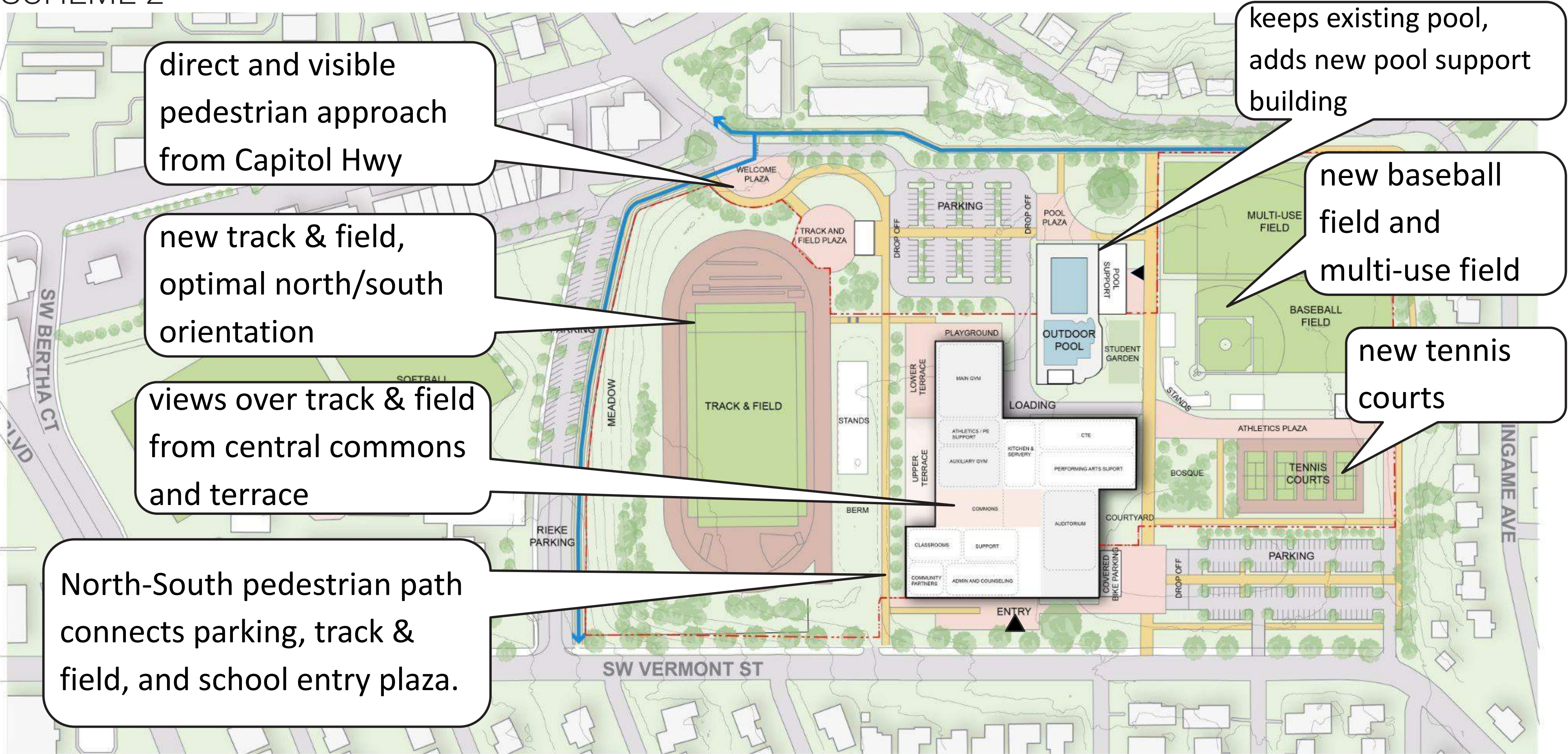
Classrooms primarily on upper levels

Main entry connects to central commons

Auditorium close to main entry

Massing - Aerial View

SCHEME 2



SCHEME 02

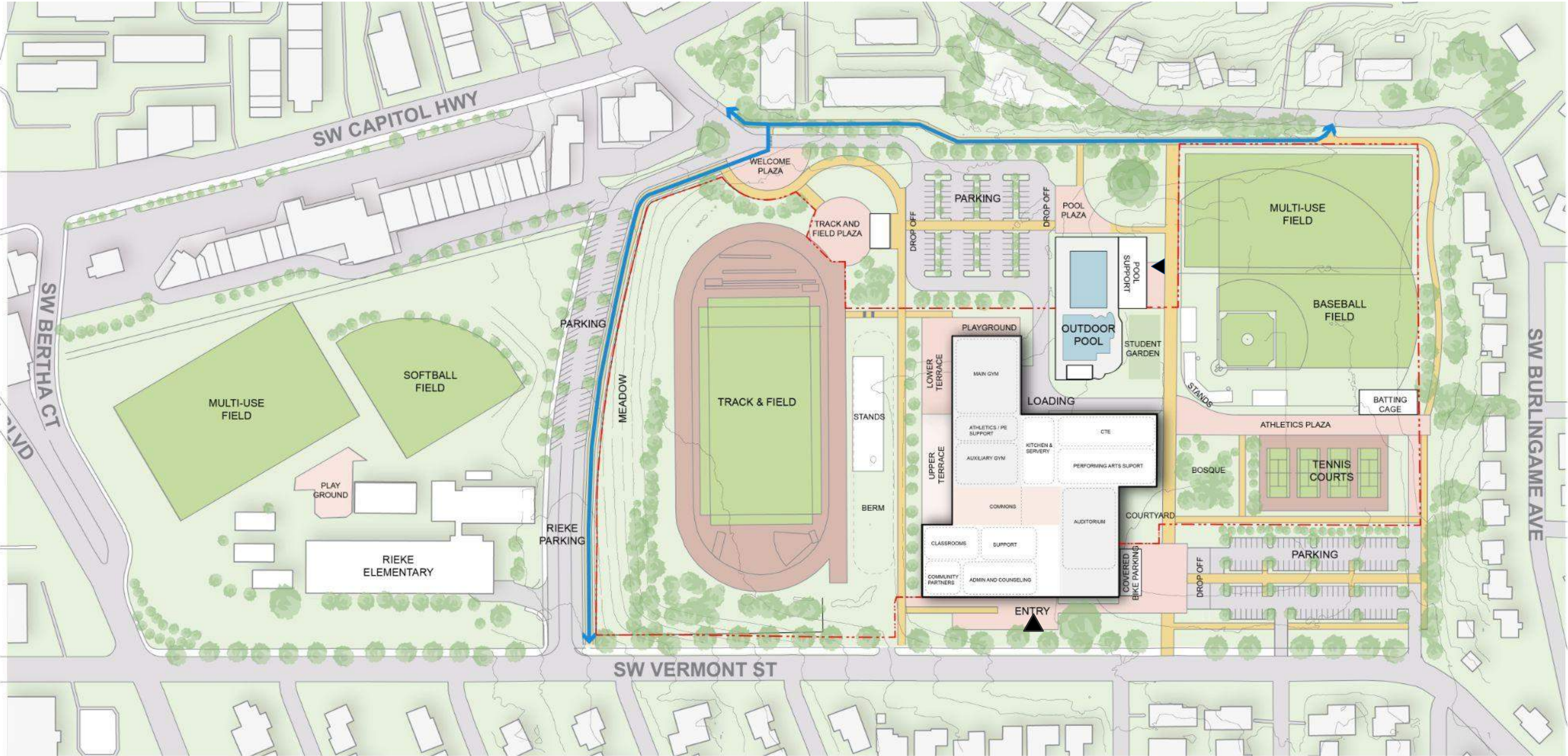


KEY:

Securable Perimeter

SW Trails

SCHEME 2



SCHEME 02

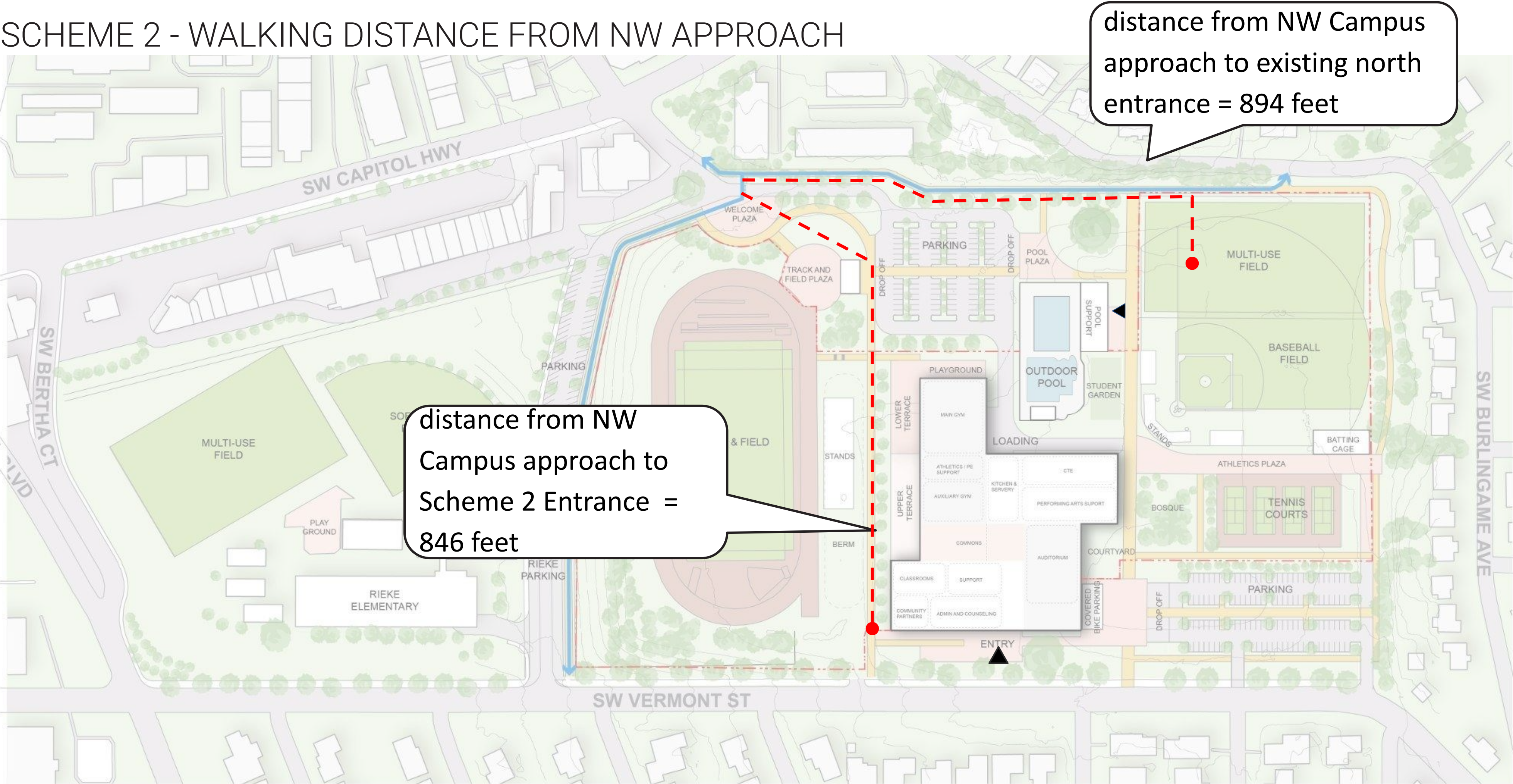


KEY:

Securable Perimeter

SW Trails

SCHEME 2 - WALKING DISTANCE FROM NW APPROACH



SCHEME 02

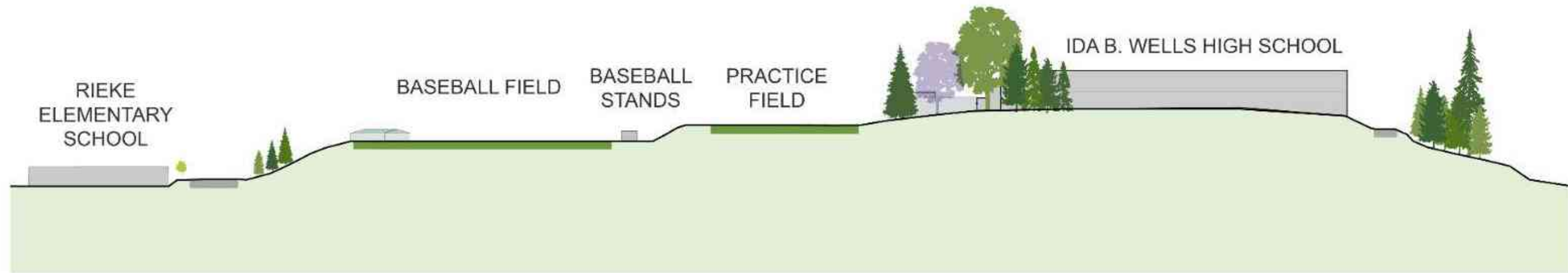


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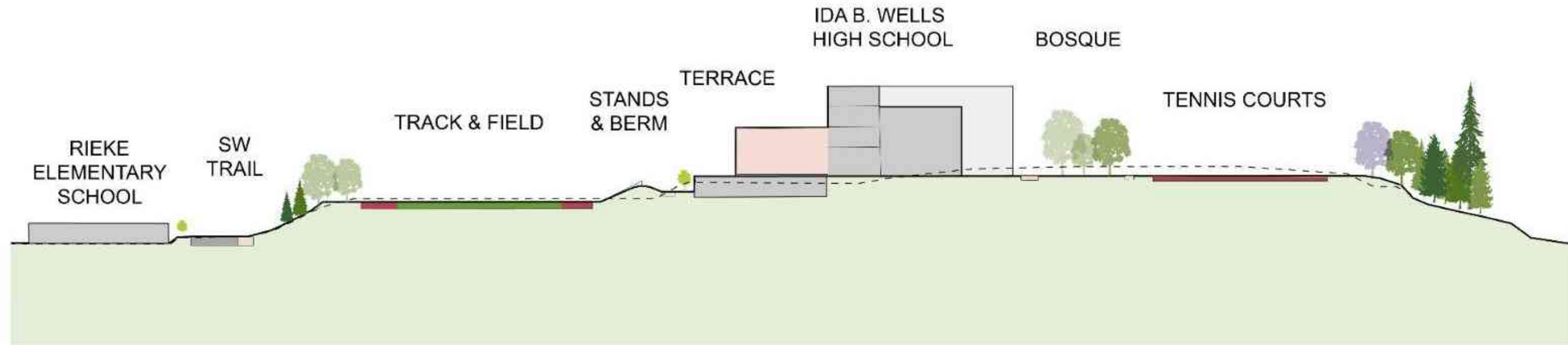
Securable Perimeter

SW Trails

SCHEME 2

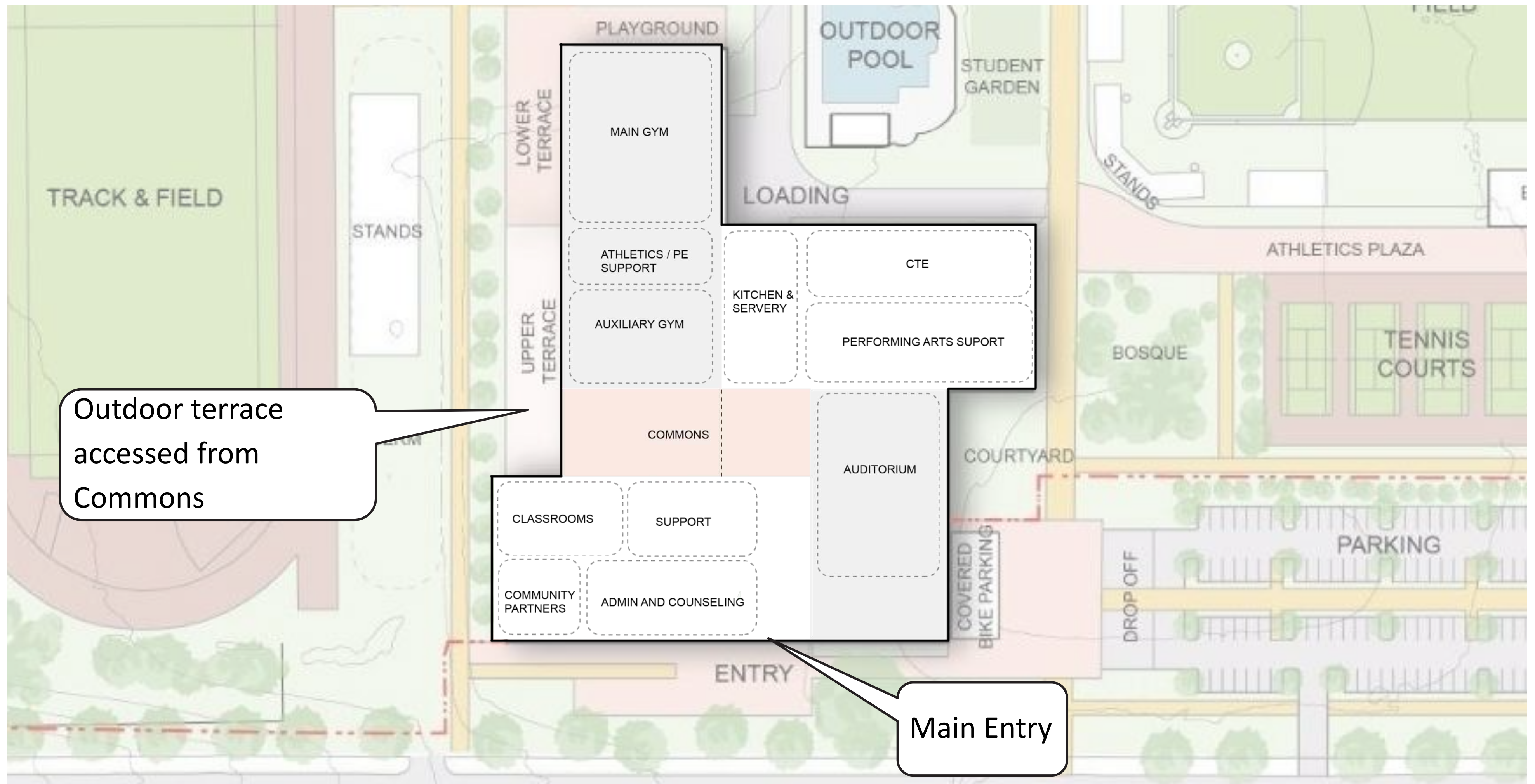


EXISTING CONDITIONS

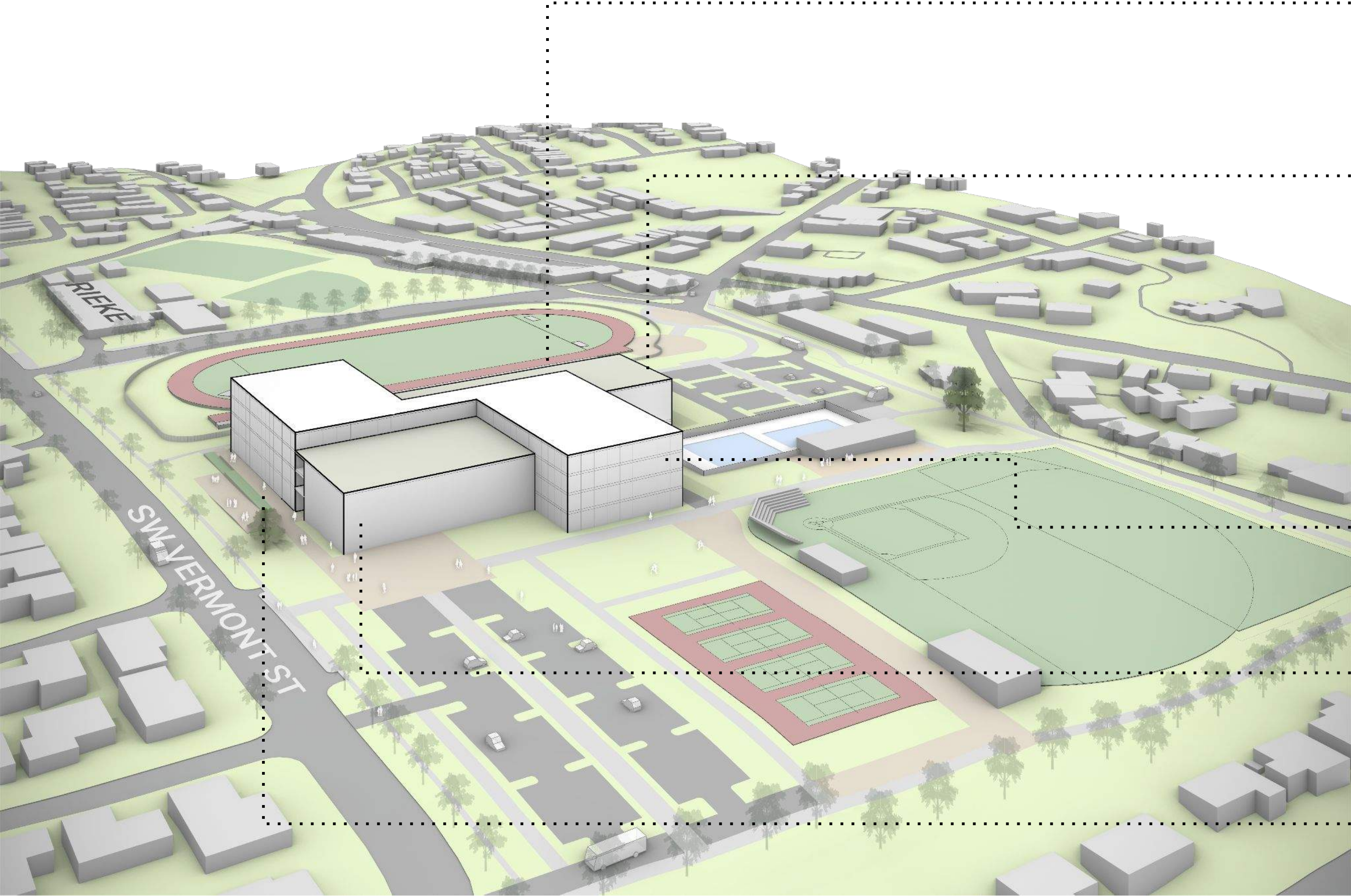


SCHEME 2

SCHEME 2



SCHEME 2



Building form connects to both Capitol Hwy and Vermont St. approaches

Gyms and athletics close to track & field and Capitol Hwy. approach

Primary “bars” running east-west to minimize western sun exposure

Classrooms on upper levels

Auditorium close to main entry

Main entry visible and easy to approach from Capitol Hwy and Vermont St.

Massing - Aerial View

SCHEME 1



Massing - View from Vermont St. (Southeast)

SCHEME 2



Massing - View from Vermont St. (Southeast)

SCHEME 1



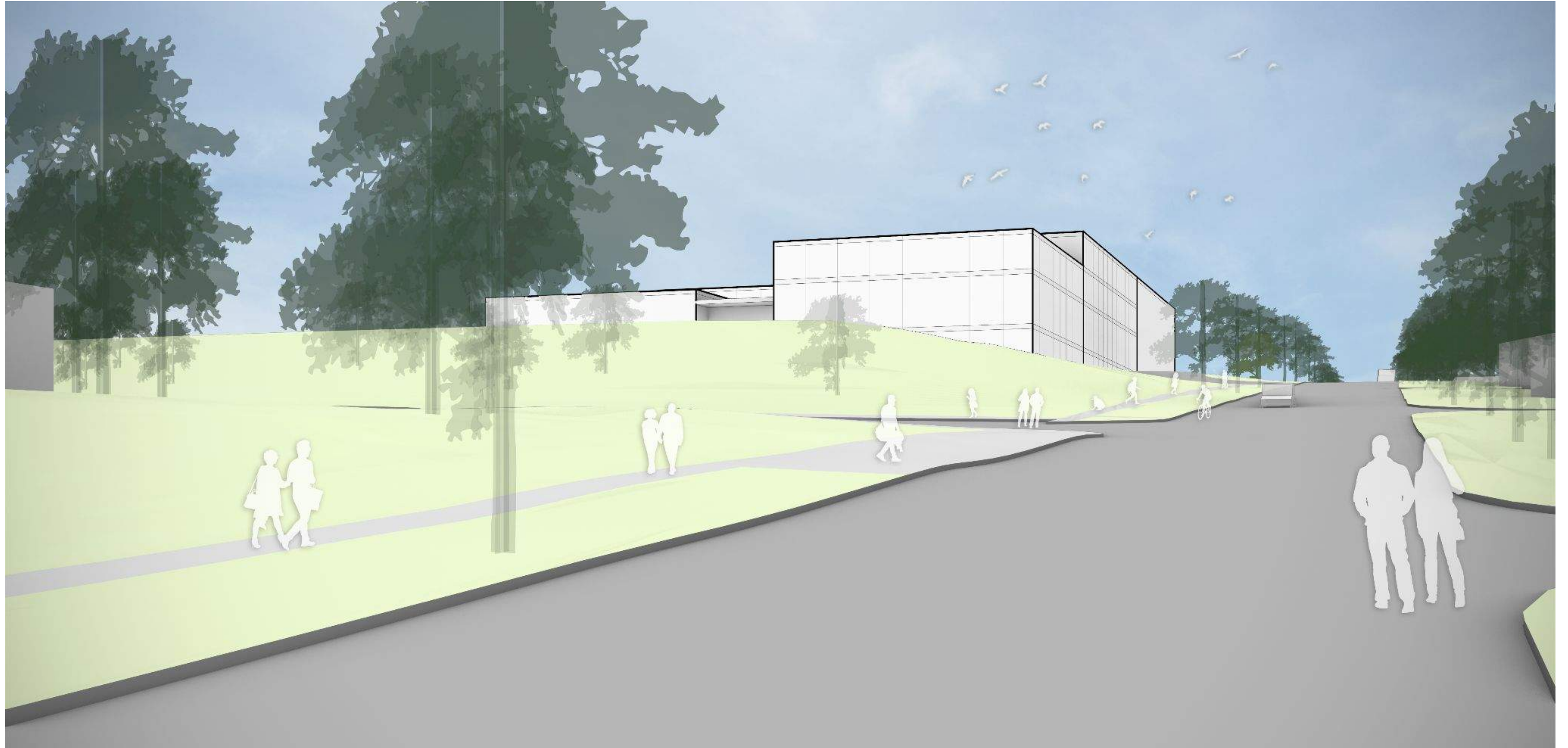
Massing - View from Capitol Hwy Approach

SCHEME 2



Massing - View from Capitol Hwy Approach

SCHEME 1



Massing - View from Vermont St. (Southwest)

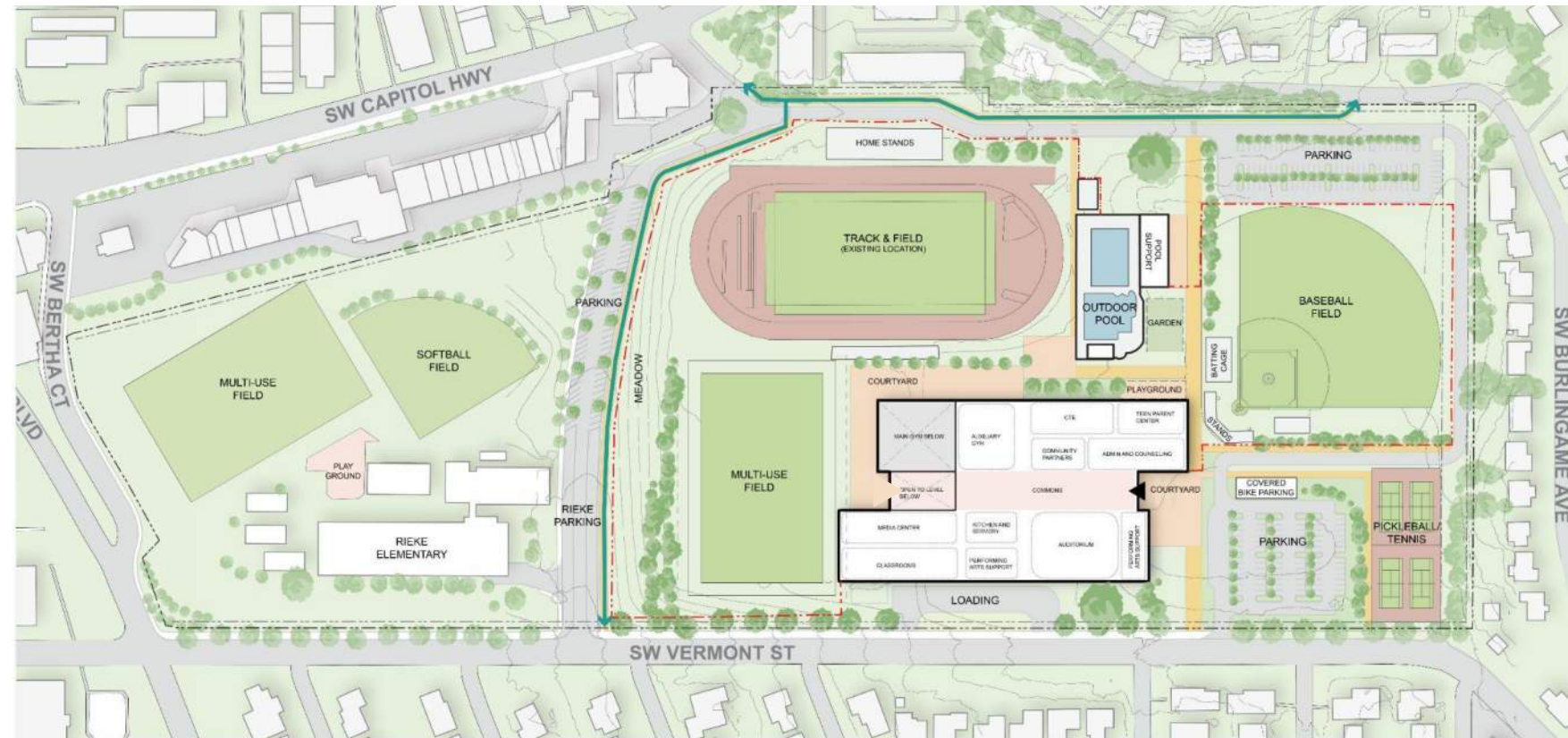
SCHEME 2



Massing - View from Vermont St. (Southwest)

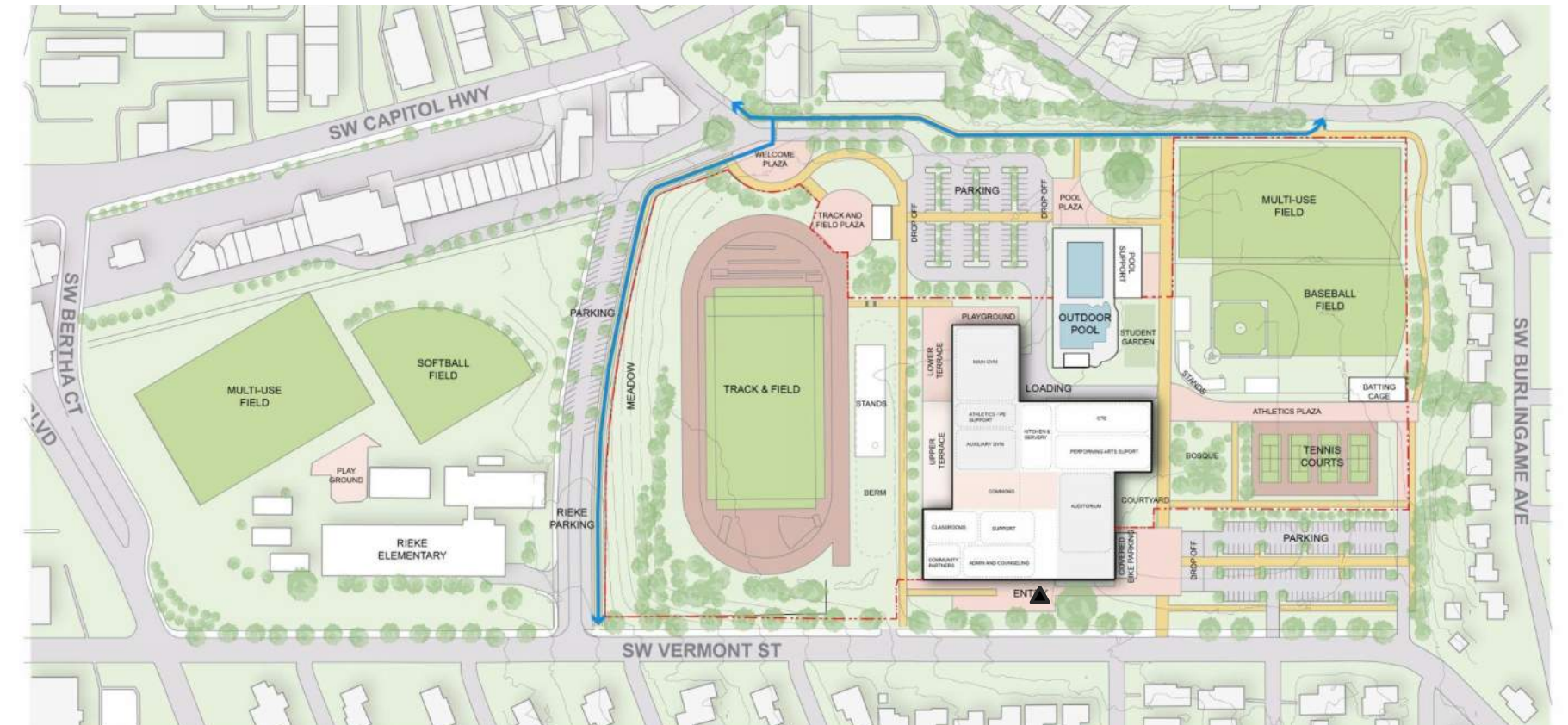
SITE CONCEPTS - SUMMARY

SCHEME 1



- keeps existing track & field with improvements
- building form “steps up” with topography of site, with upper and lower courtyards
- keeps existing pool, adds new pool support building
- new tennis courts
- new baseball field and multi-use field
- improved softball field

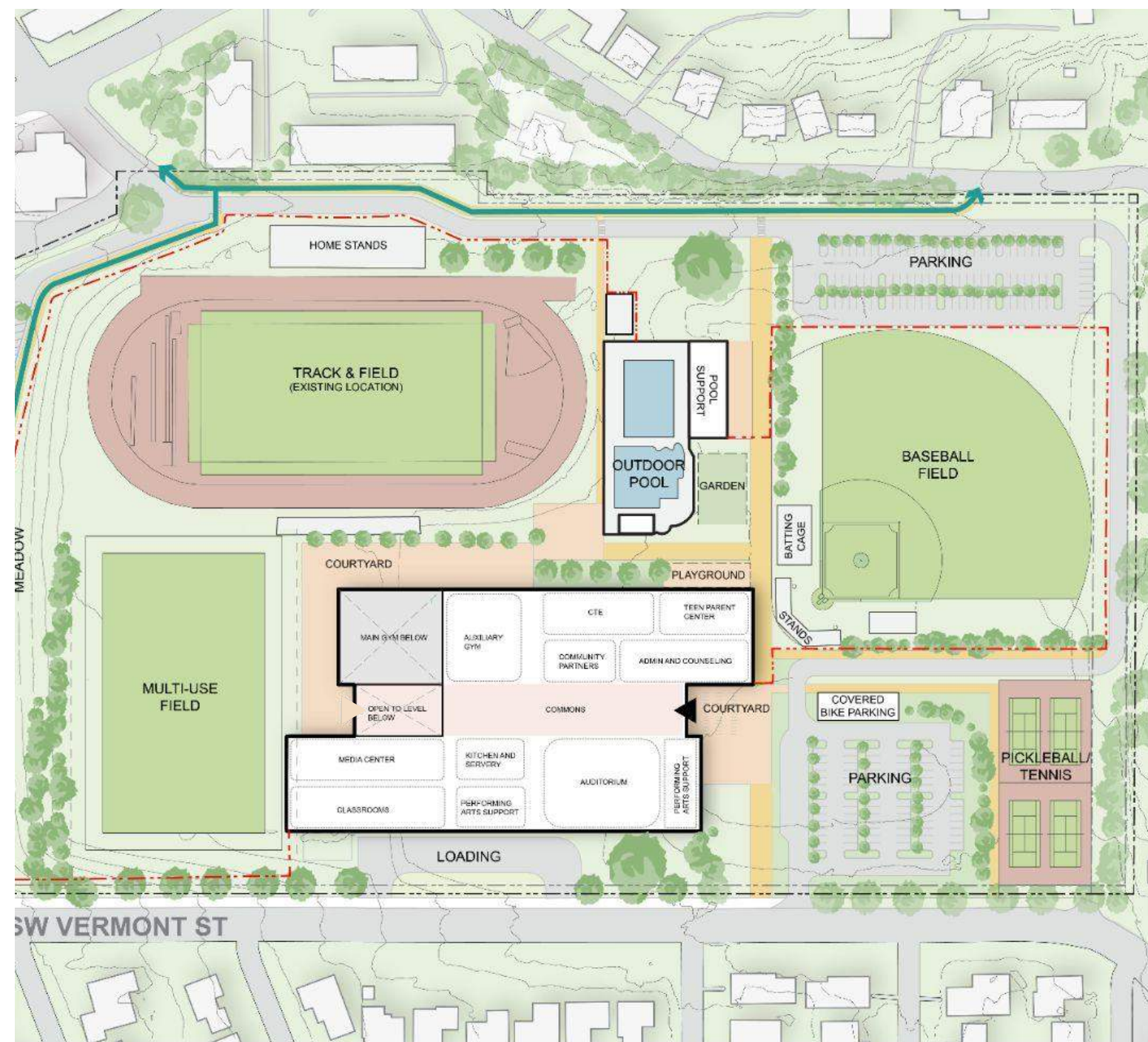
SCHEME 2



- new track & field moved to N-S position
- building form connects to both Capitol Hwy and Vermont Street with central, connected entry
- keeps existing pool, adds new pool support building
- new tennis courts
- new baseball field and multi-use field
- improved softball field

SITE CONCEPTS - EVALUATION / TRADE-OFFS

SCHEME 1



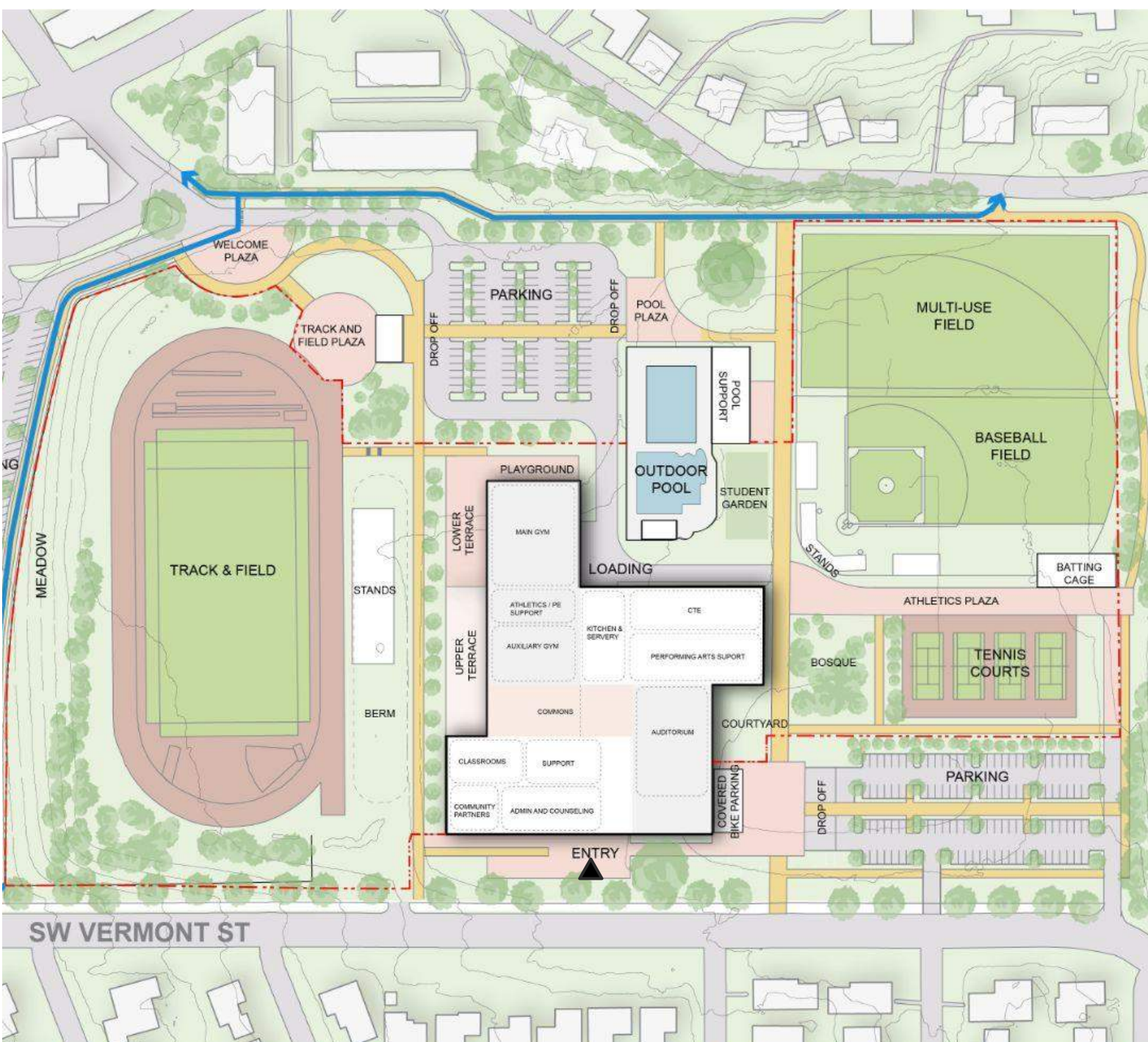
PROJECT COSTS

- LOWER BUILDING COST
- LOWER SITE COST
- SHORTER CONSTR. DURATION

EXPERIENCE & FUNCTIONALITY

- BETTER CONNECTION TO CAPITOL HWY
- IMPROVED FUTURE TRACK & FIELD OPERATION
- NO TRACK & FIELD DISRUPTION (3 YR)
- PROVIDES CROSS-SITE VEHICLE DRIVE
- VEHICLE ACCESS TO BOTH ENDS OF BUILDING
- FLEXIBLE LOADING FUNCTIONALITY

SCHEME 2



Feedback Exercise



Self Reflection 00:10

For each site option, please write on post-it notes:

What are the trade-off / priorities?

What is successful?

What are some challenges?

Walk About: 00:45

Post Answers on Boards + Discuss

Review comments posted on each option

Discuss common themes and trade-offs

Additional Feedback?

WellsBond@pps.net

Public Comment



Next Steps



NEXT STEPS

CPC #5: Thursday 2/22, 6-8pm

- we will bring a preview of the **Board of Education Packet**
- we will bring draft “final” **Vision Statement** and **Guiding Principles**

Board Packet: 3/5/24

- **final information** for the Board of Education Meeting on 4/2

Final open house: TBD (March)

- **overview** of the Board of Education Packet

Additional Feedback?

Website: pps.net/IdaBWellsBond

Email: WellsBond@pps.net

Questions?
THANK YOU