



Memorial High School
Spring Branch ISD



Memorial High School – Phase I of Master Plan SD / DD Recommendation SBISD Administration: June 10, 2019

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Project Scope

- **Additions and Renovations at Memorial High School**
(Phase I of the Master Plan)
- **On-Site Construction** and Transition
- **Estimated 140,000 SF new Multi-Level Building**
based on SBISD High School Educational Specifications
- **Demolition of** Aqua Wing, White Wing, Green Wing, and Science (Silver, Violet, Magenta) and Engineering Buildings (M, E)
- **Renovations to remaining spaces to include:** MEP upgrades, security, life safety, and minor cosmetic improvements
- **Site work to include:** Tennis relocation, additional parking and vehicle stacking, parent drop, bus loop, and one artificial turf field
- **Estimated 2 year construction + Summer/Fall 2019 work**

Proposed Project Schedule



➤ **Schematic Design Phase** January - March 2019

- ✓ PAT Meeting #1: January 24, 2019
- ✓ PAT Meeting #2: February 5, 2019
- ✓ PAT Meeting #3: February 27, 2019



➤ **Design Development Phase** April - June 2019

- PAT Meeting #4: April 9, 2019
- PAT Meeting #5: May 14, 2019



PRESENT TO SBISD ADMIN (5/30) + SBISD BOARD (6/10)

➤ **Construction Documents** July – November 2019

➤ **Procurement & Permitting** Dec 2019 – March 2020

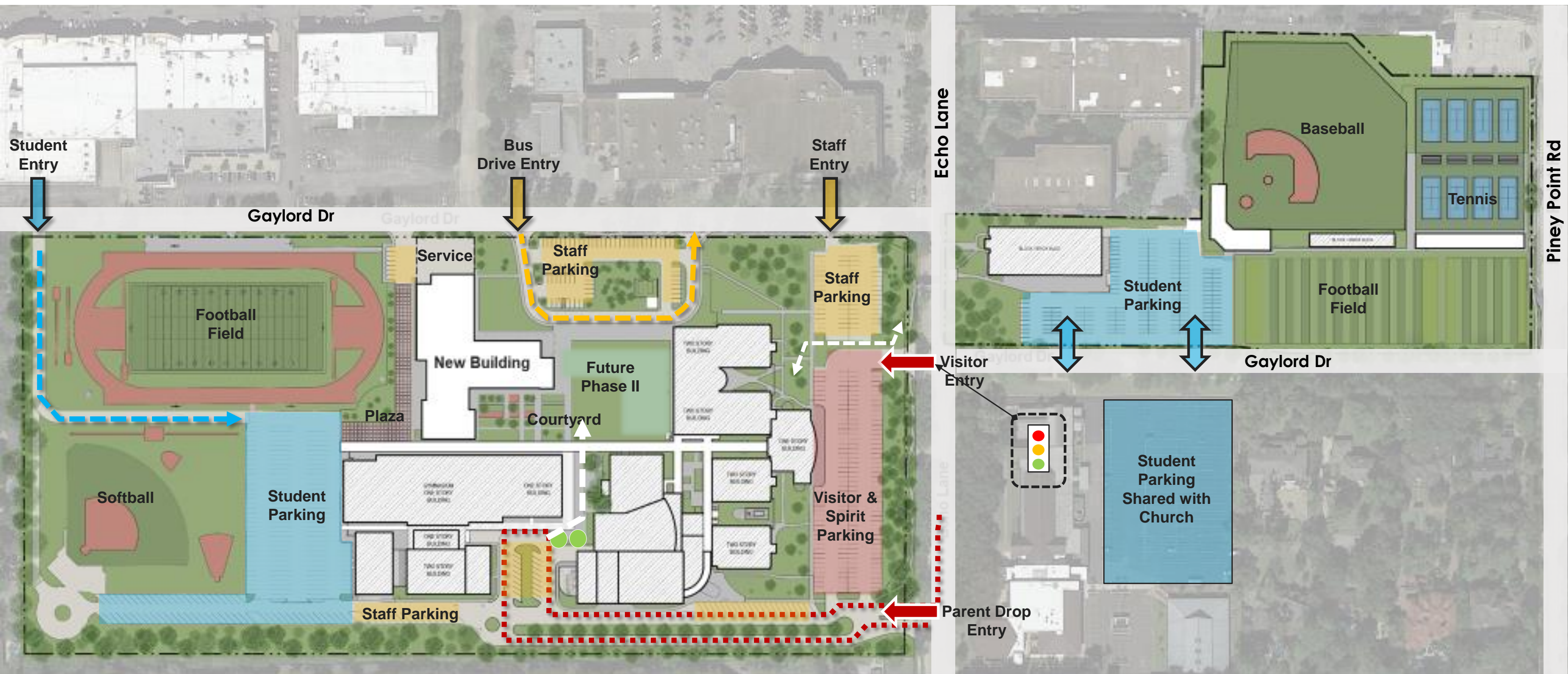
- Board GMP Approval: March 2020

➤ **Construction Administration** April 2020 – June 2022*

*Summer/Fall 2019

- Renovation Work: Summer 2020 (and 2021 if needed)
- Complete New Building: Anticipated April 2022
- Demolition of Existing Buildings: Anticipated April – June 2022
- Renovation Old Dining: Summer 2022

MHS Master Plan - Phase I



Phase I: Completed Condition / Access Points

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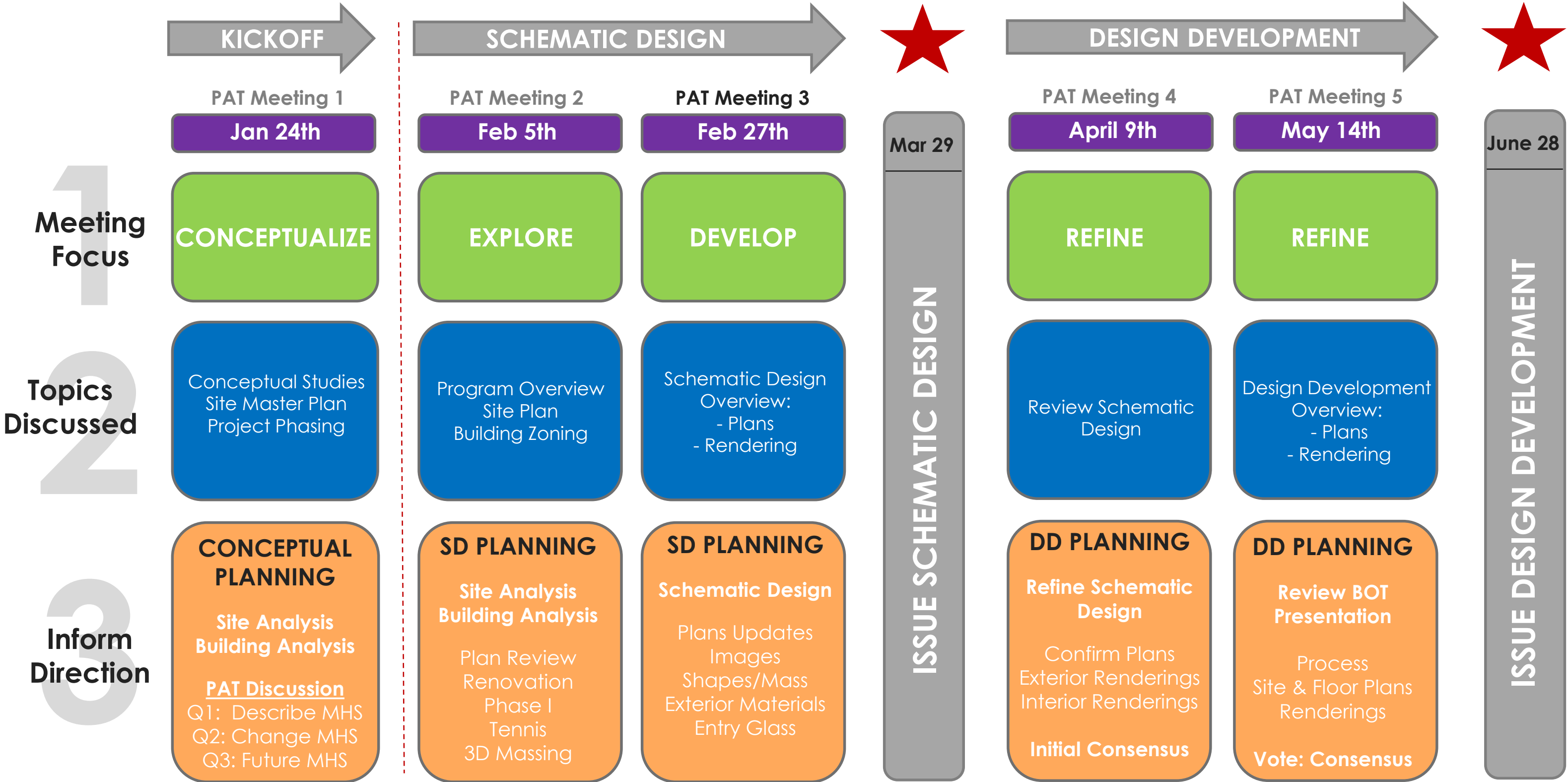


02 **PAT Engagement:** Process Overview

03 **Recommendation:** Phase I of MHS Master Plan

Meeting Schedule

Memorial HS | PAT Engagement Process



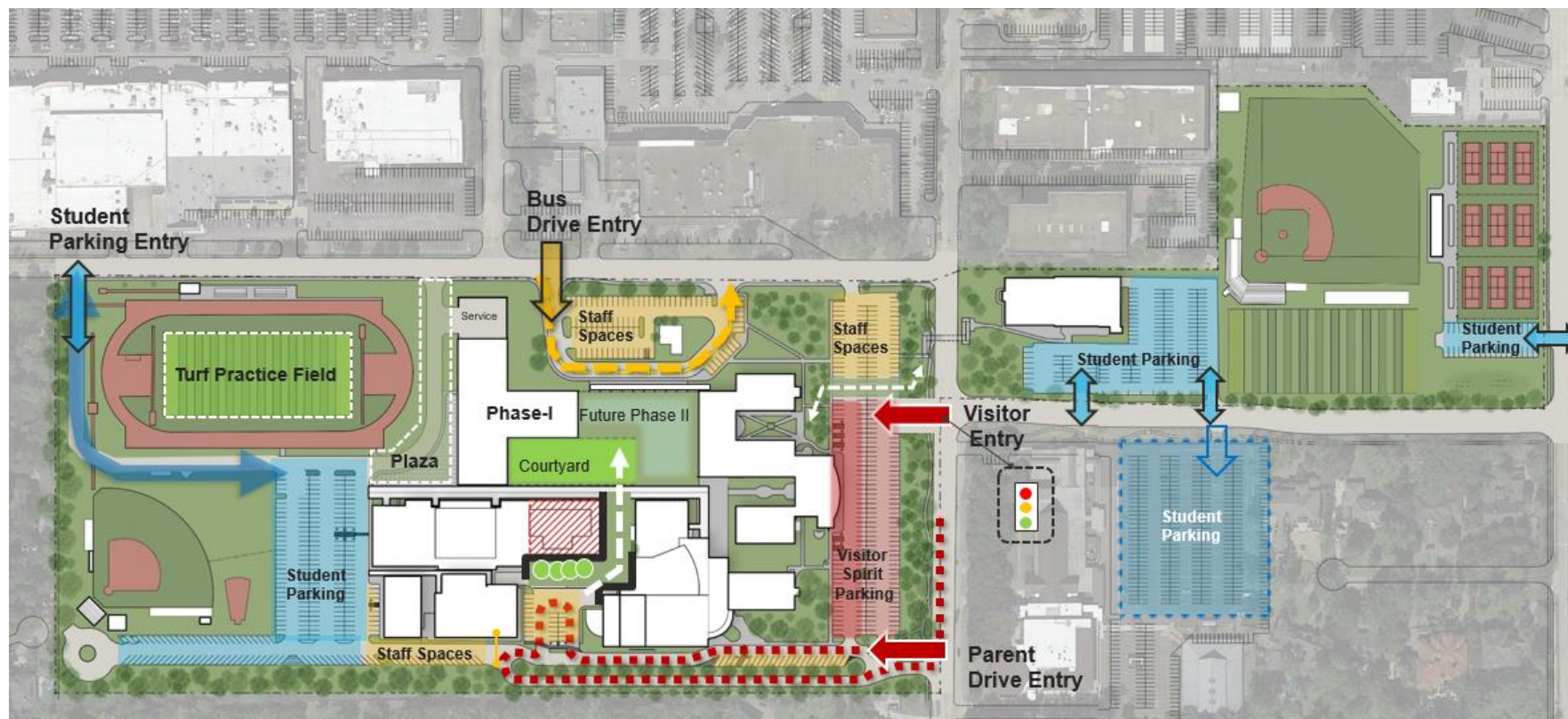
SITE / BUILDING PLANNING

Site Plan Development

- **East Campus**
New Tennis Courts + Support Building
Remove (2) T-Bldgs. + Expand Student Parking
- **West Campus**
Parent Drop-off / Visitor Parking
Bus Drop-off / SPED Bus Pull-out
New 4-story Building
Renovate Old Dining Building
Existing MHS Bldg. Improvements
- **Future Phase II**
Connection with learning programs and courtyard

Building Layout / Plan Development

- **Spatial Organization / Adjacencies**
Administration (AP Suite, Wellness Center,
Learning Spaces (Classrooms + Flex/Collaboration)
Dining Commons + Kitchen
- **Building Organization / Zoning**
(20 Science) + (20 Clrms: M/E/SS) + (8 Clrms: TBldgs)
- **Courtyard**
Social + Learning Spaces
- **Security Zones / After Hours Uses**
Learning Spaces + Dining Commons



TEACHING AND LEARNING

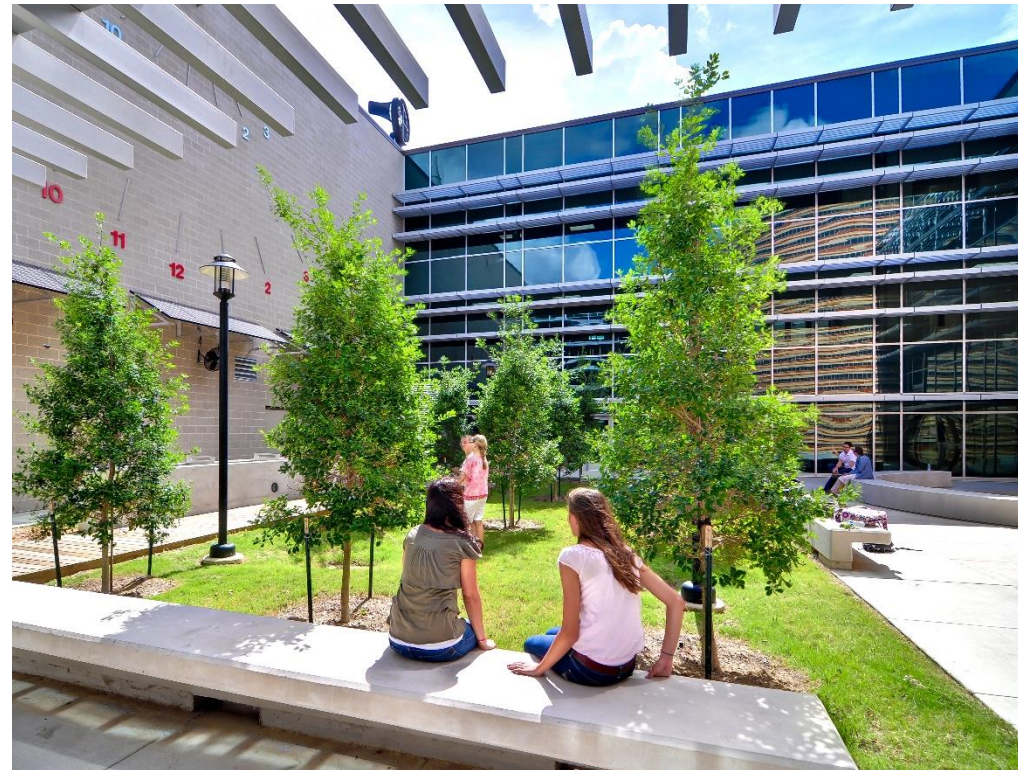
Learning Beyond the Classroom

- Facilitate Variety of Teaching Methods
- Support Personalized Learning
- Extended Classroom / Flex Spaces
- Easy to Adapt for Future (M.Plan, Ph II)
- Learning Environment Choices (Individual/ Group)
- Technology Rich / Interactive Environment
- Flexible / Mobile Furniture
- Acoustic Separation between Uses

Direct Instruction



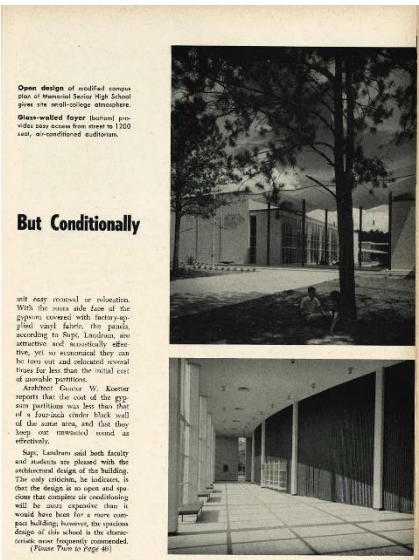
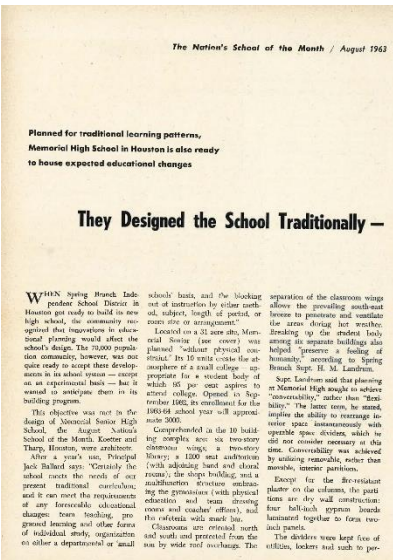
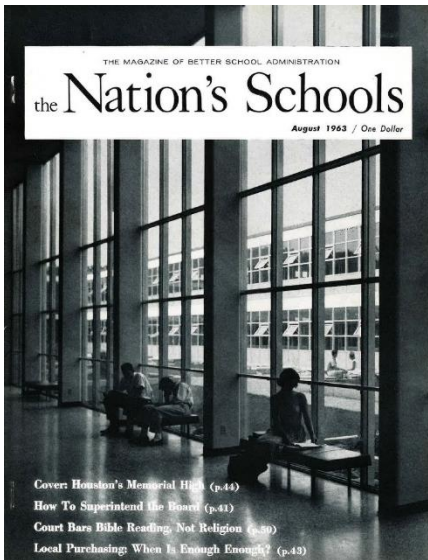
Outdoor Learning



Collaboration / Flex



SCHOOL EXPRESSION



Existing School Expression

- School Mustang Pride
- Connections - Indoor / Outdoor
- Trees and Open Feel
- High Performing Students
- College Atmosphere



Future School Expression

- Identity should have a WOW factor
- Welcoming for Community
- Strong Connection to the Outdoors
- Flexible / Adaptable to Today's Learners
- Easy to Navigate
- College Feel

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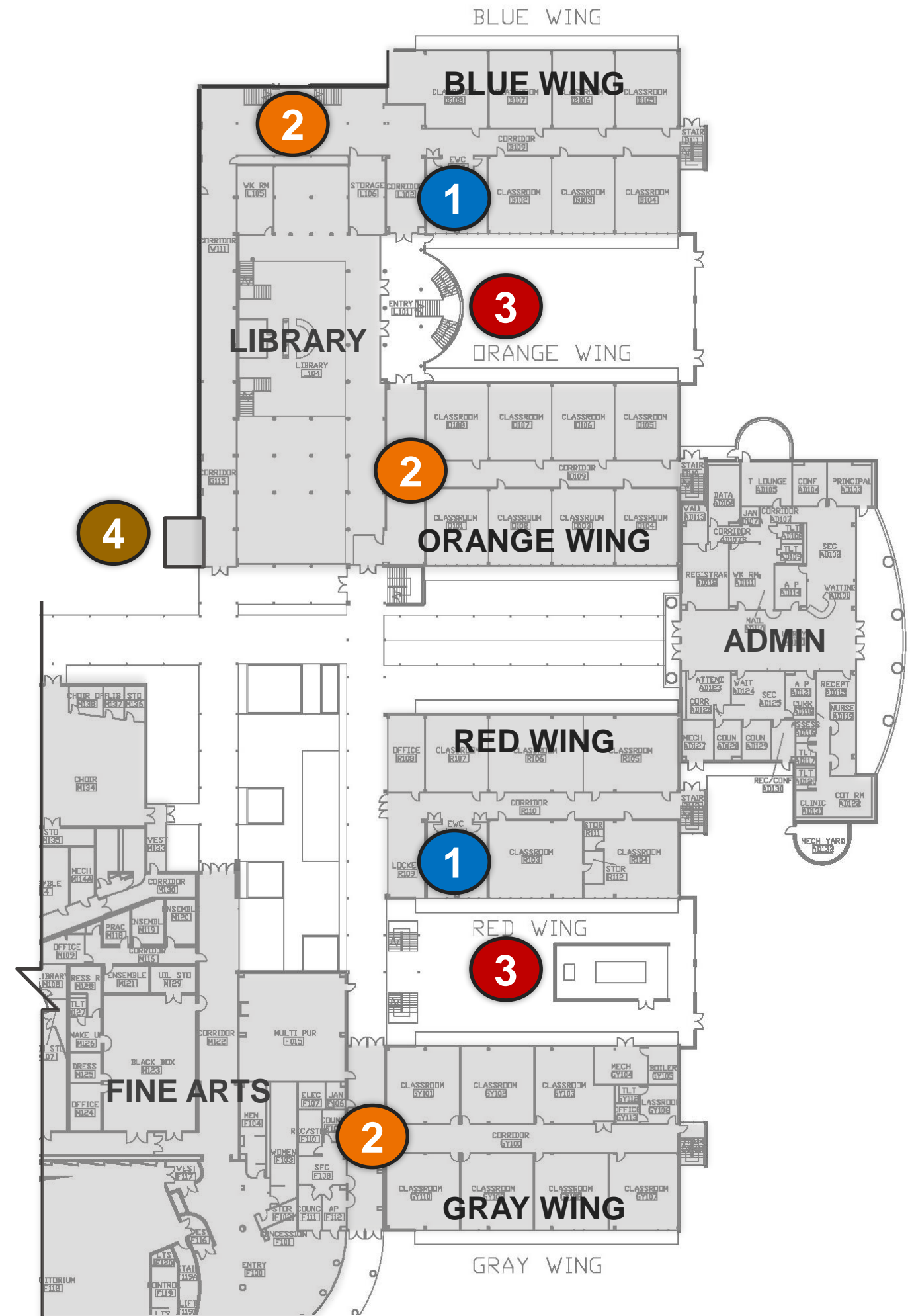
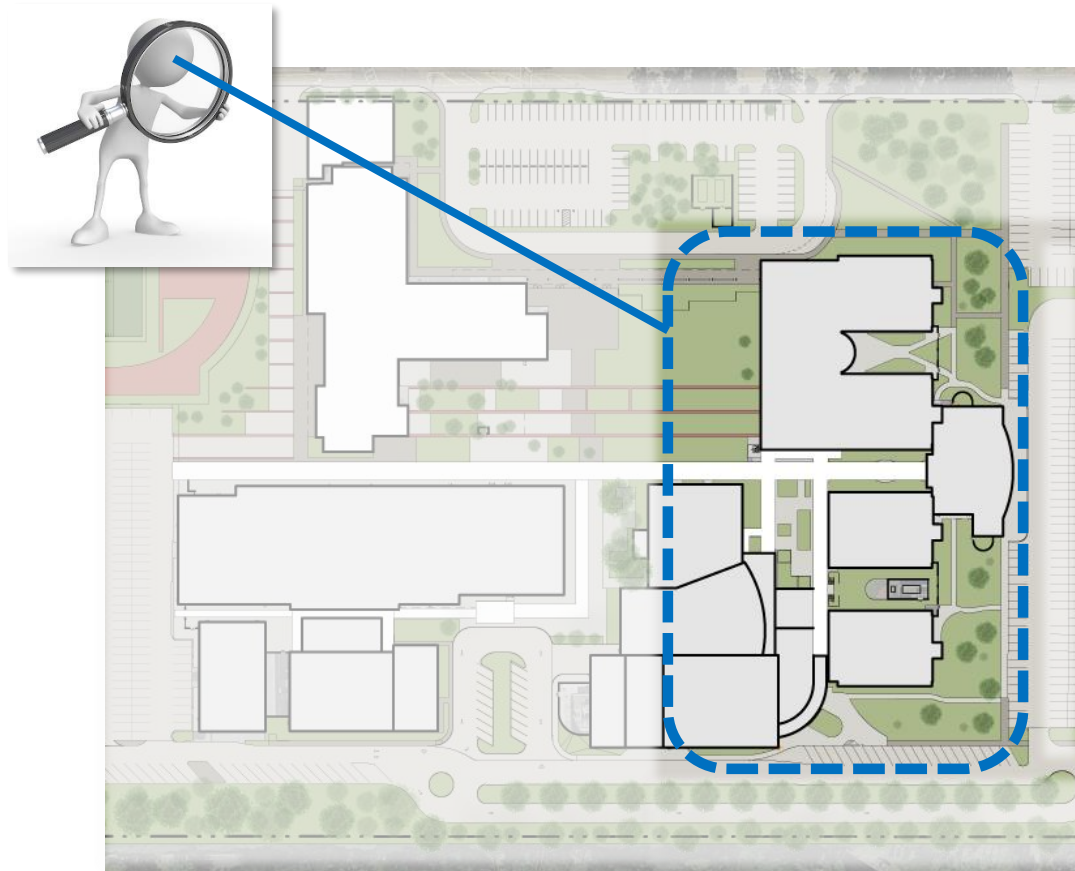
03 **Recommendation:** Phase I of MHS Master Plan

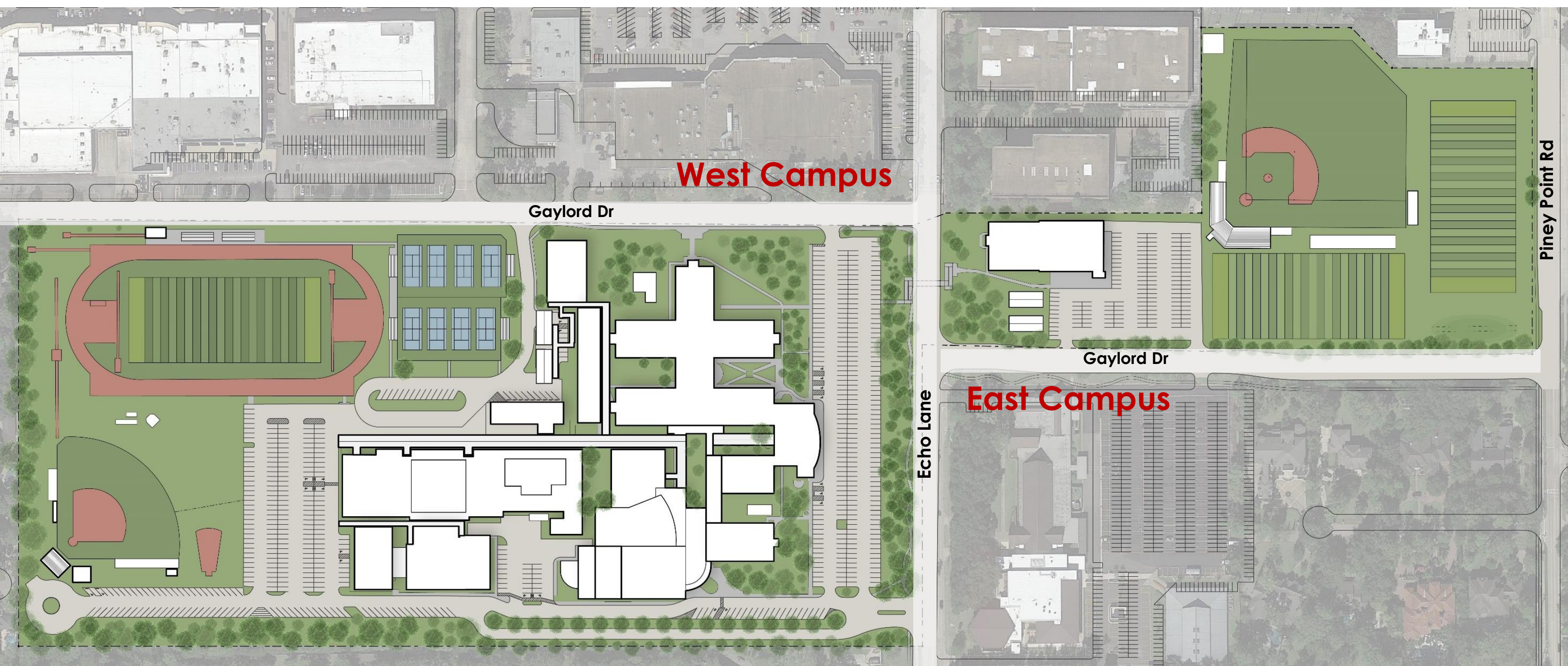
Existing School Renovations

- 1** Toilet Room Repairs & New Fixtures
- 2** Replace Broken Tile and VCT
- 3** Repaint Exterior Stairs, Corridor Walls, Door Frames, and Exterior Plaster
- 4** New Elevator Due to Removal of Aqua Wing

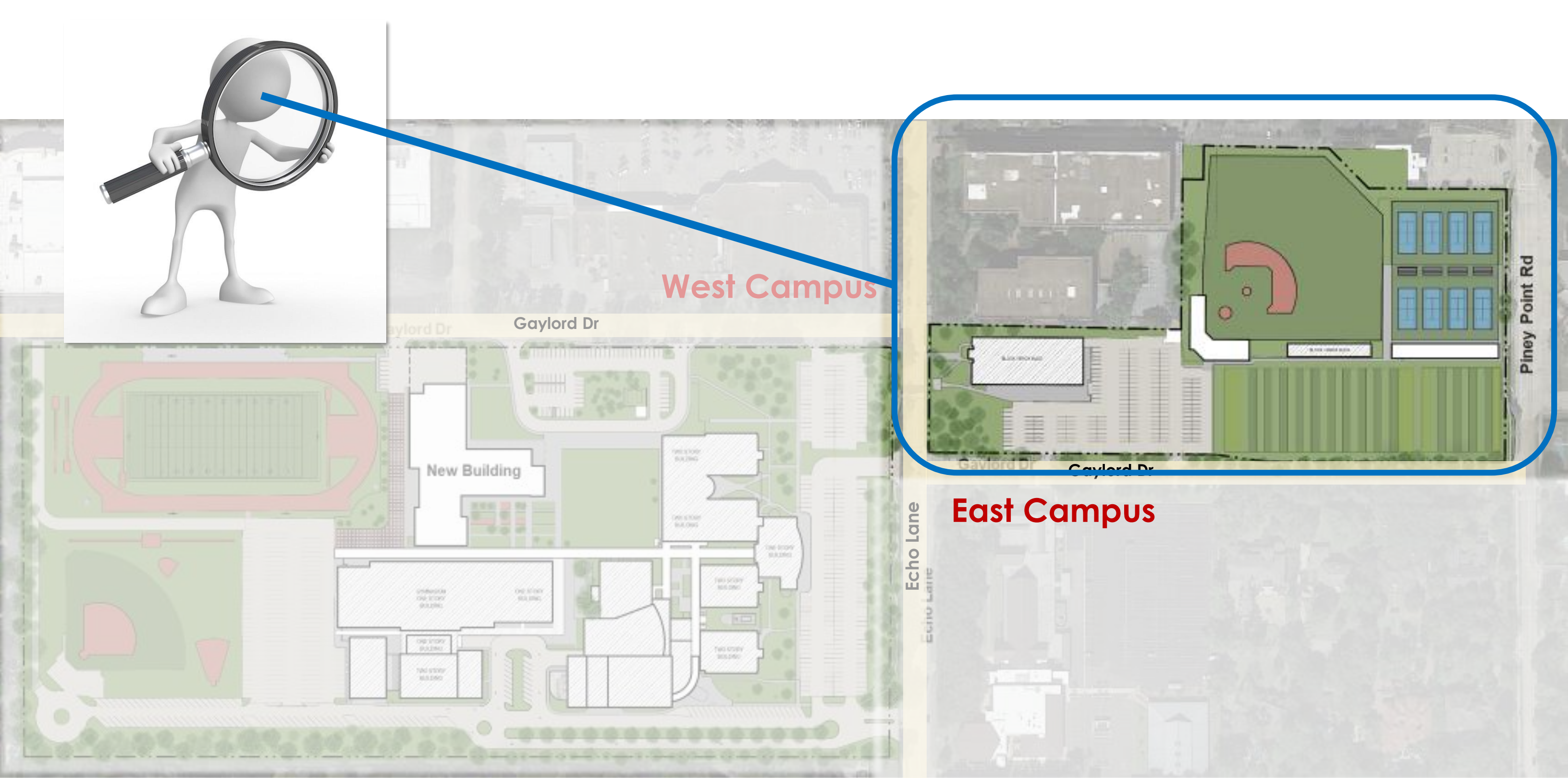
Other Items

- Mechanical, Electrical, and Plumbing Upgrades
- Life Safety Upgrades
- Power Washing Brick





Memorial High School: Existing Condition



Memorial High School: **Phase I – Overall Site Plan**

Phase I - East Campus

- 1. Tennis Courts (8)
- 2. Spectator Seating
- 3. Support Building
- 4. Practice Fields
- 5. Added Parking



Phase I – East Campus Site Plan

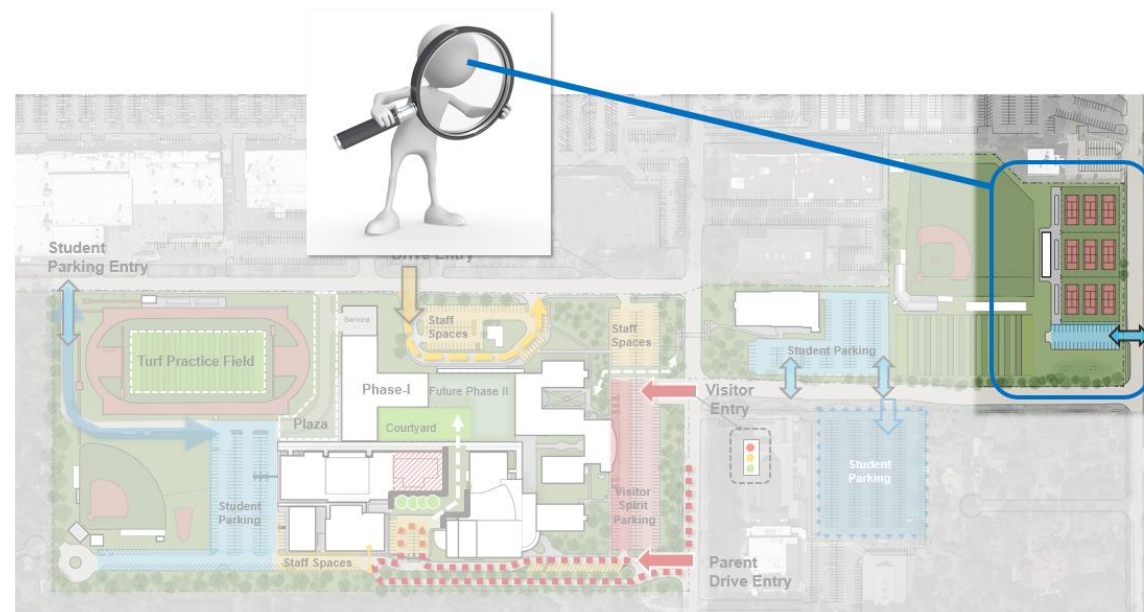
Tennis Courts + Support Bldg.

TENNIS COURTS

- 8 Tennis Courts
- Bleacher Seating looking both ways
- Canopy Cover over Spectator seating

TENNIS / FOOTBALL SUPPORT BUILDING

- Tennis Student Locker & Toilet Rooms
- Tennis Coach's Office
- Replaces existing Football Storage Bldg.
- Security fencing
- Pedestrian paving connection to existing Field House and Parking Lot



Tennis Court + Support Bldg.



Existing Field House – Exterior View

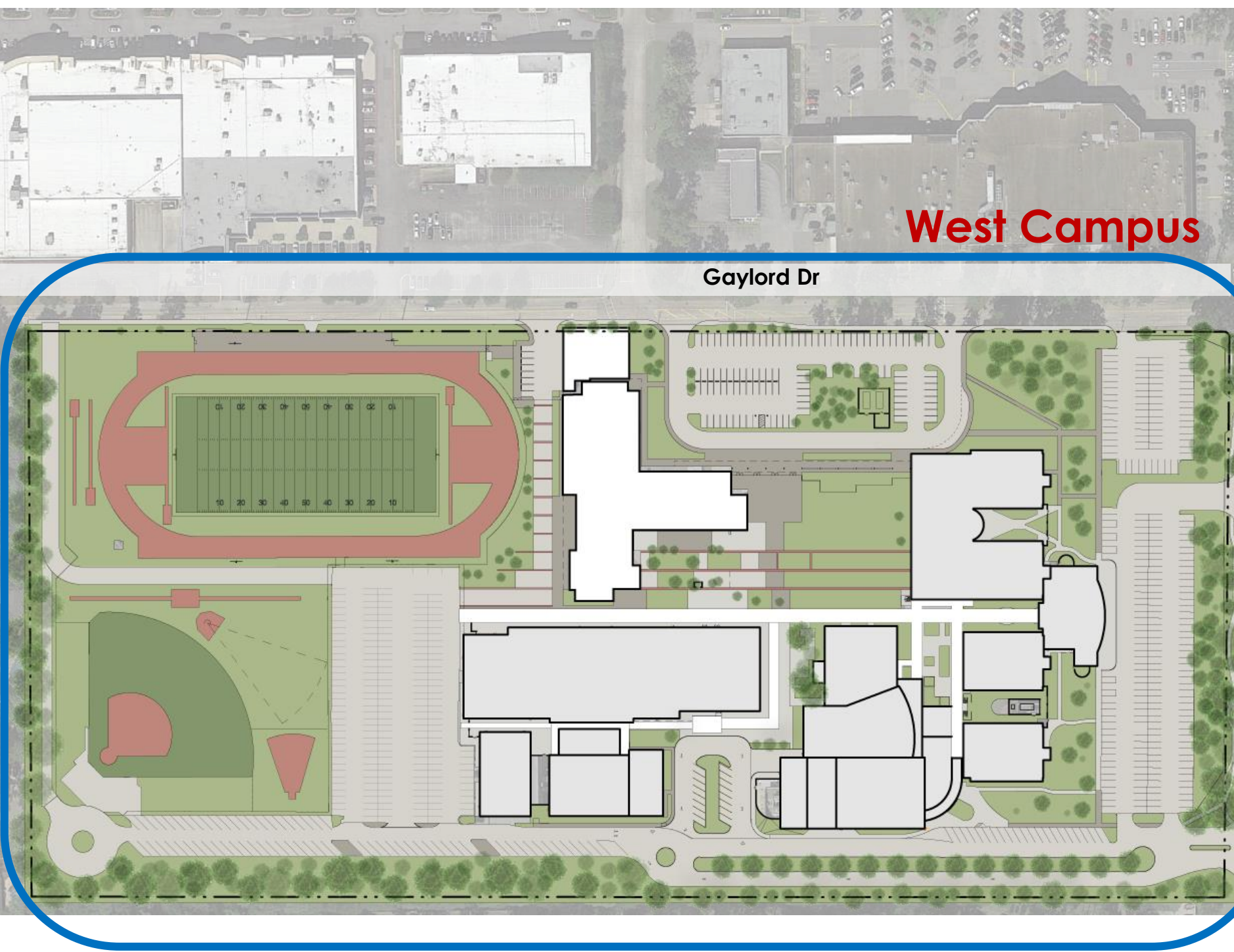


Support Building – Exterior View

Tennis Courts + Support Bldg.



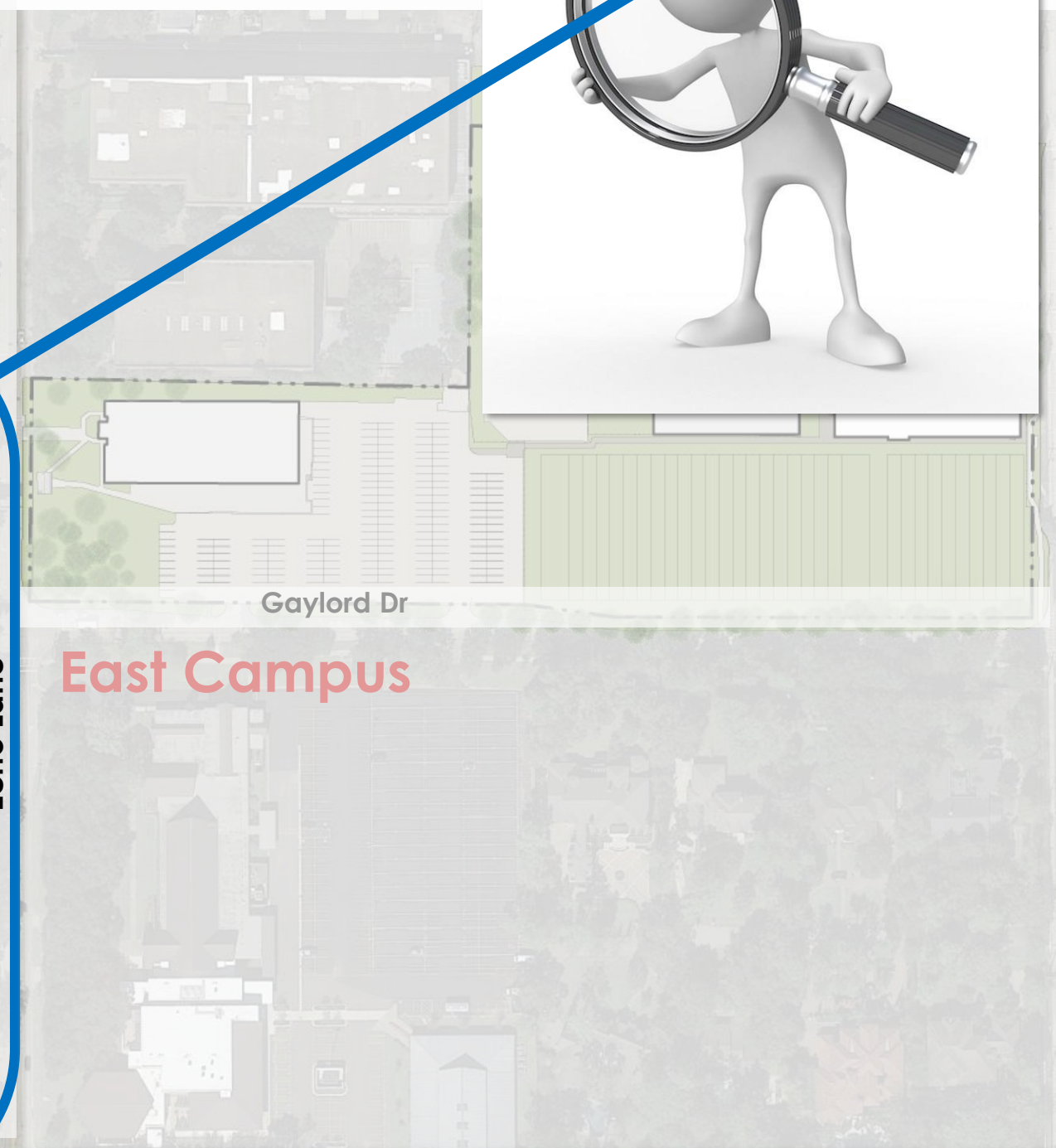
Aerial View of East Campus Improvements



West Campus

Gaylord Dr

Echo Lane

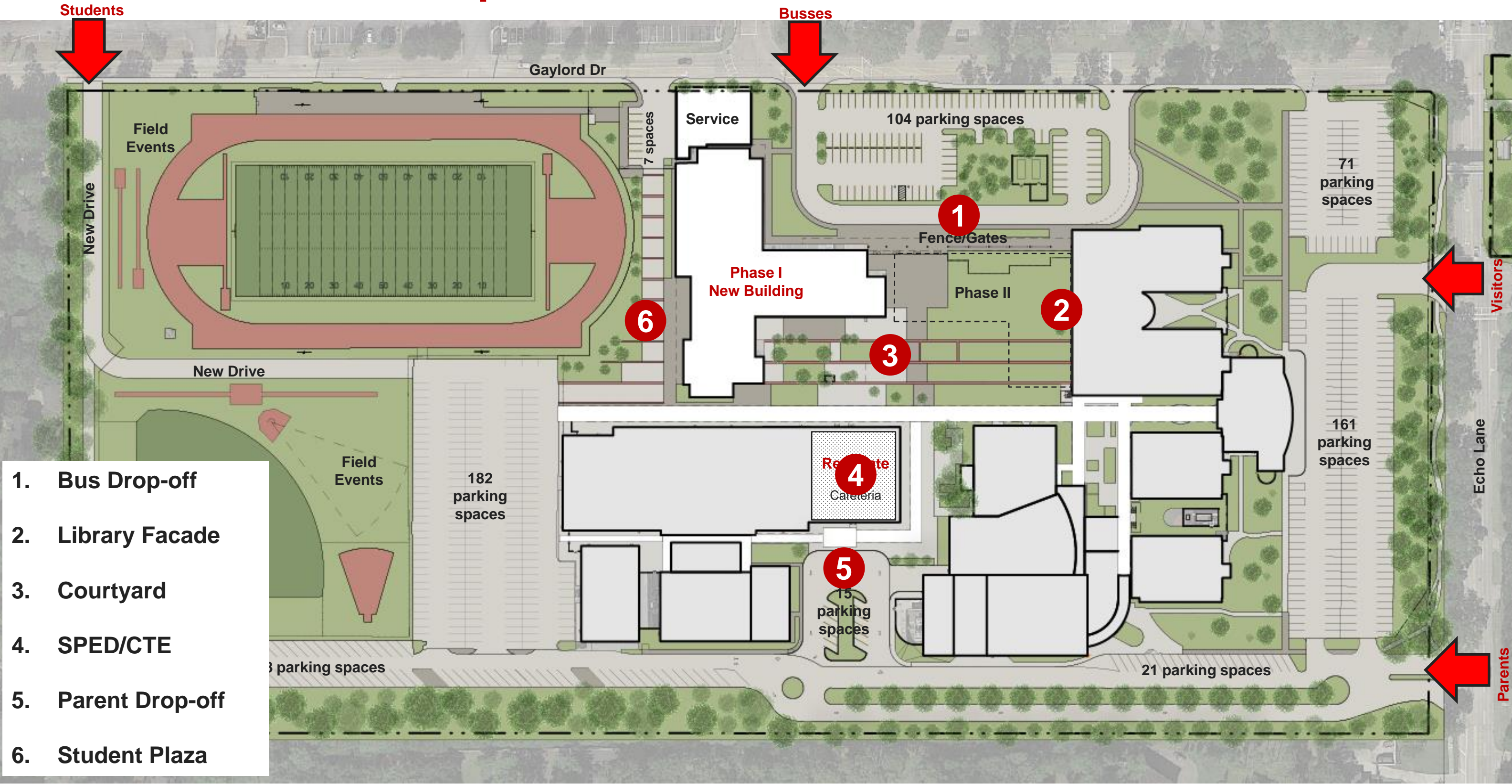


Gaylord Dr

East Campus

Memorial High School: Phase I – Overall Site Plan

Phase I - West Campus



Phase I – West Campus Site Plan

Phase I - West Campus



Overall Aerial View

Phase I - West Campus



Bus Drop-off (New + Existing Building)

Phase I - West Campus



Library Façade / Elevator

Phase I - West Campus



Courtyard (Outdoor Dining, Fire Hose Enclosure)

Phase I - West Campus

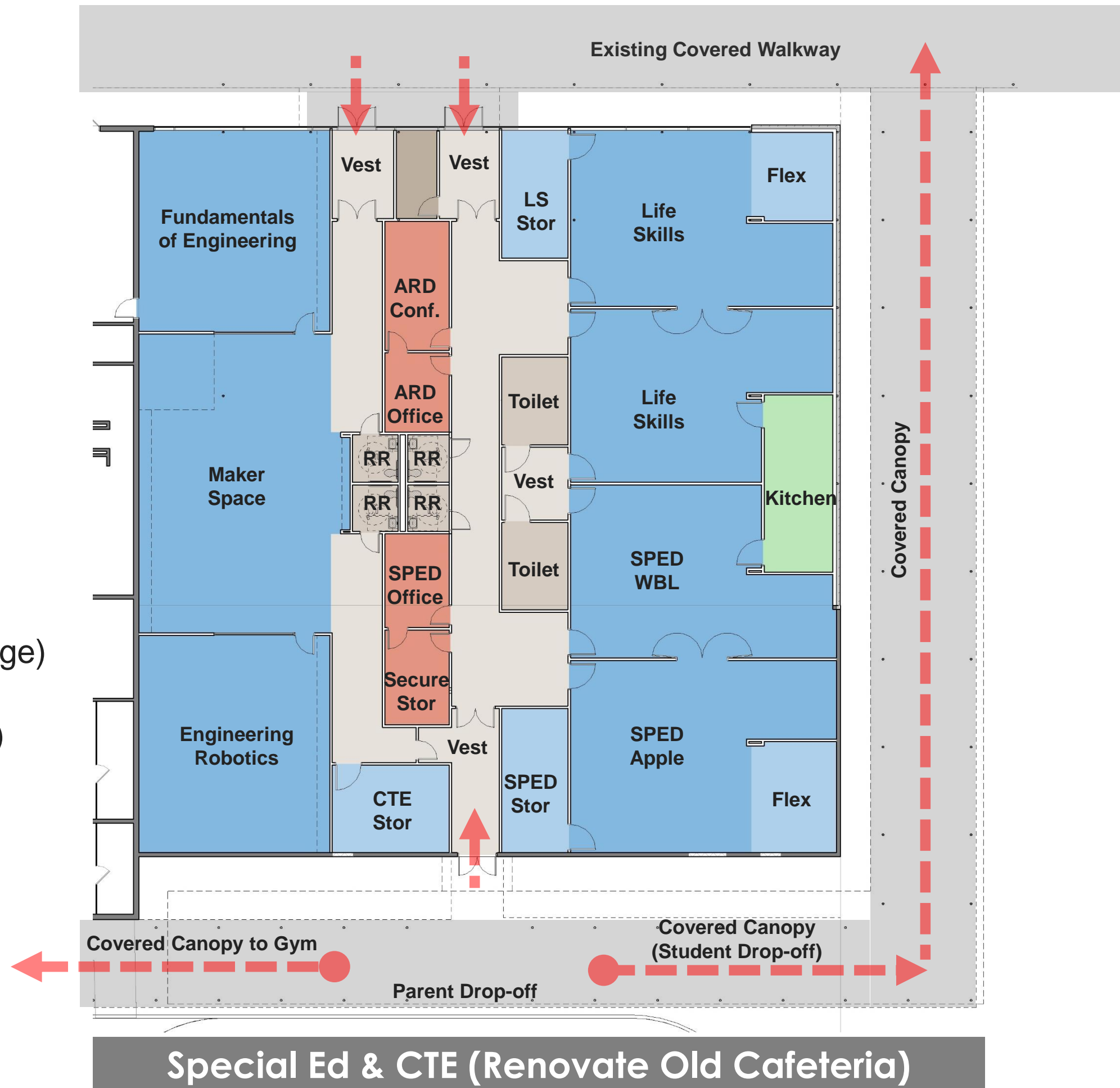
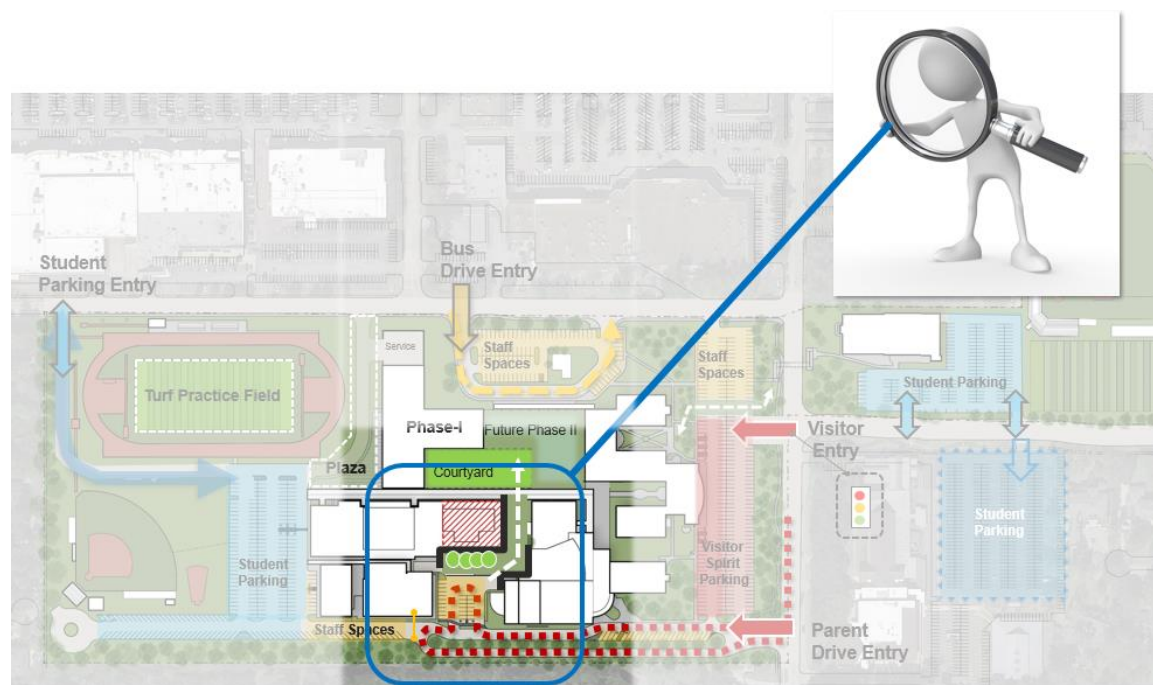
SPECIAL EDUCATION and CTE

Site Plan Elements

- New Canopy at Parent Drop-off
Student path connected to Existing Covered Walkway + New Outdoor Courtyard
- Directly across from bus loop

Floor Plan Elements

- Renovate old kitchen and dining
- Special Education (4 classrooms) + Support Spaces (ARD, Office, Storage)
- CTE: Engineering / Robotics (2 Lab/Clrm + Shared Maker Space)



Phase I - West Campus



Parent Drop-off (Student path to Courtyard)

Phase I - West Campus



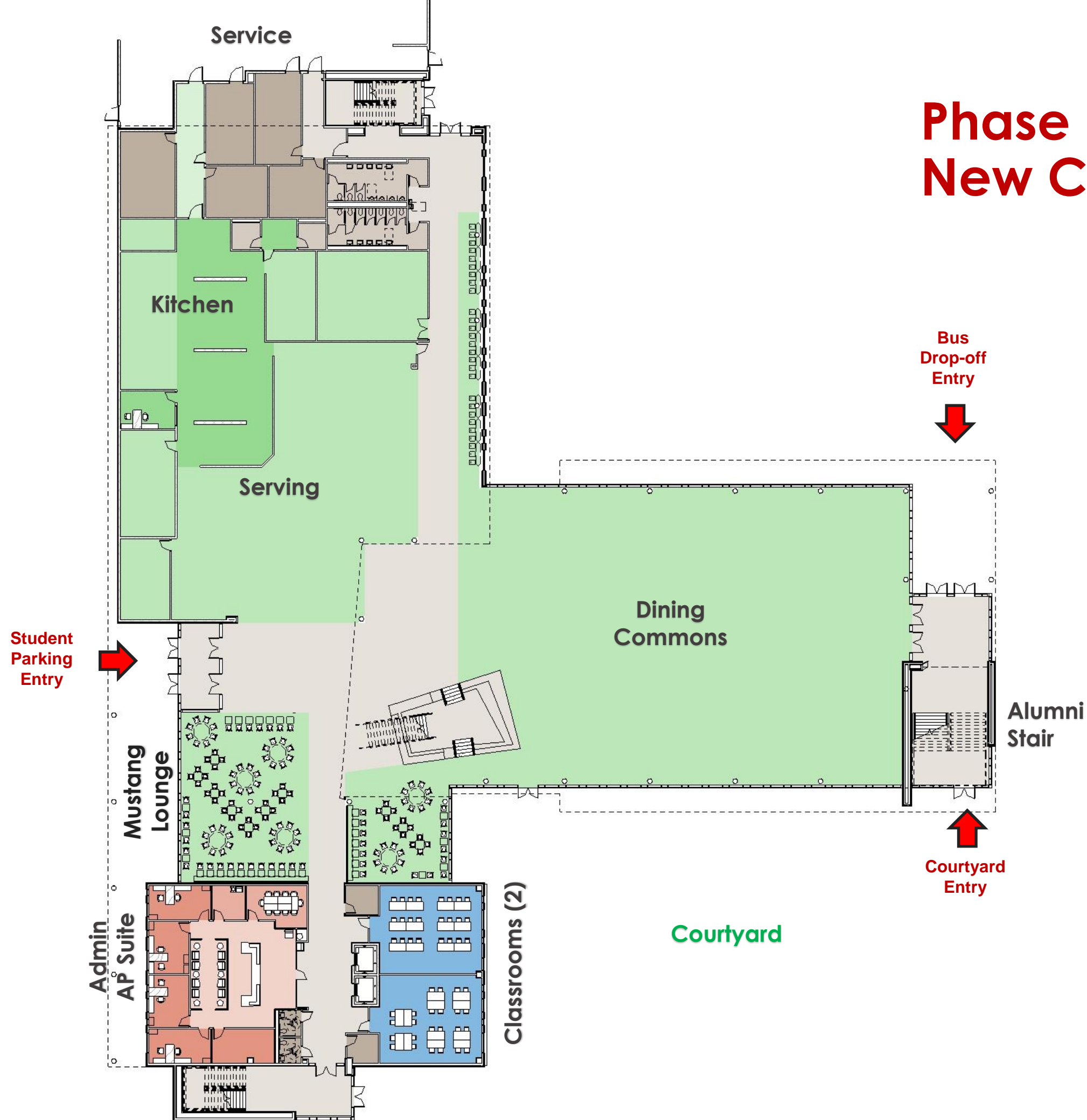
Parent Drop-off (Student path to Courtyard)

Phase I - West Campus



Student Plaza (New Building / Athletics)

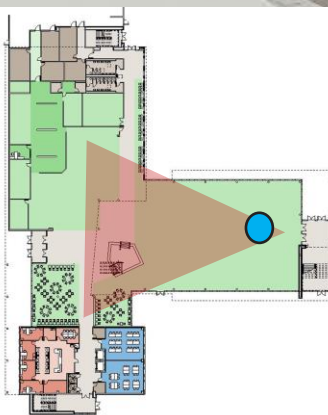
Phase I – West Campus New Construction



FLOOR 1



DINING COMMONS





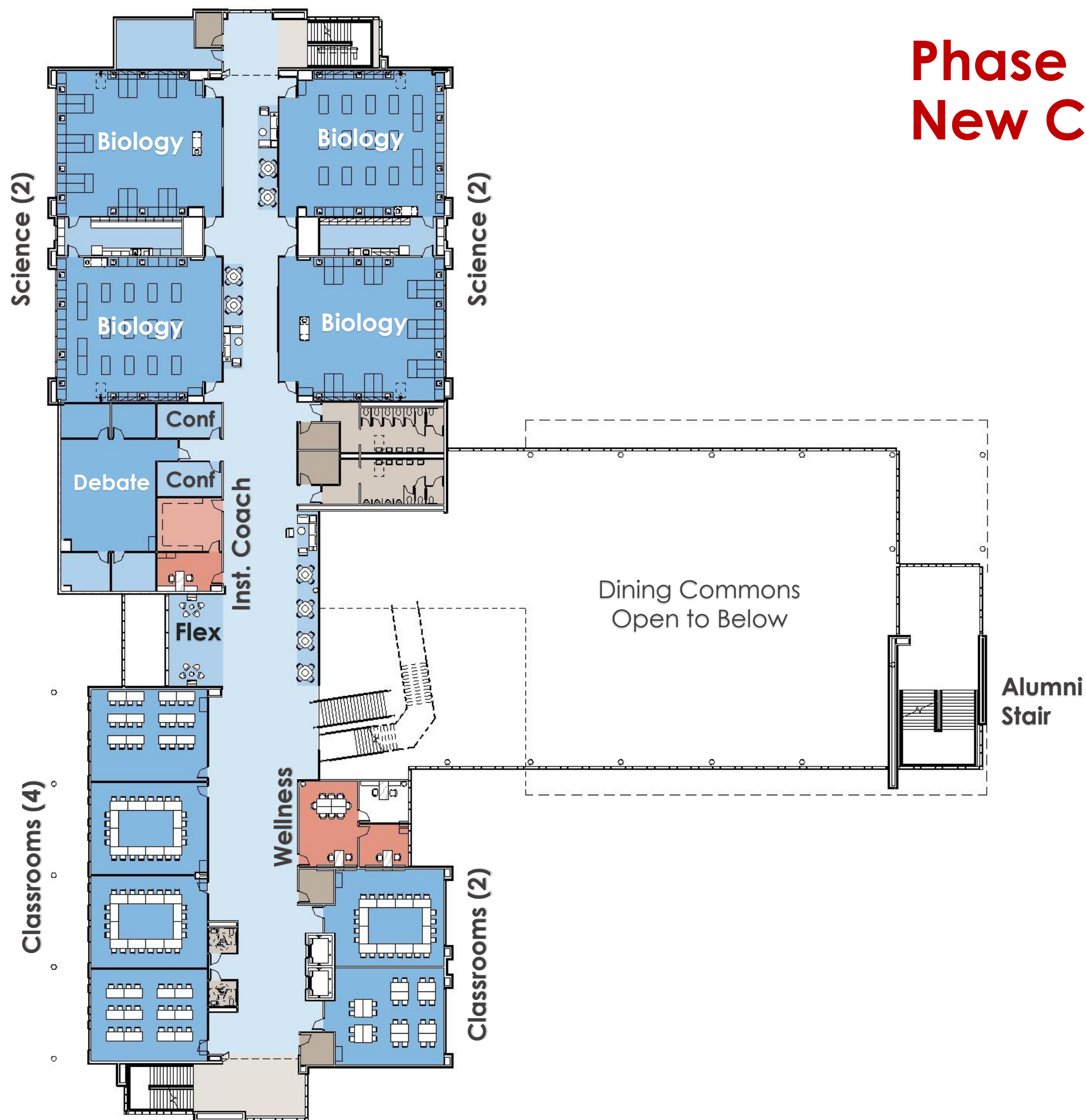
DINING ATRIUM / FEATURE STAIR





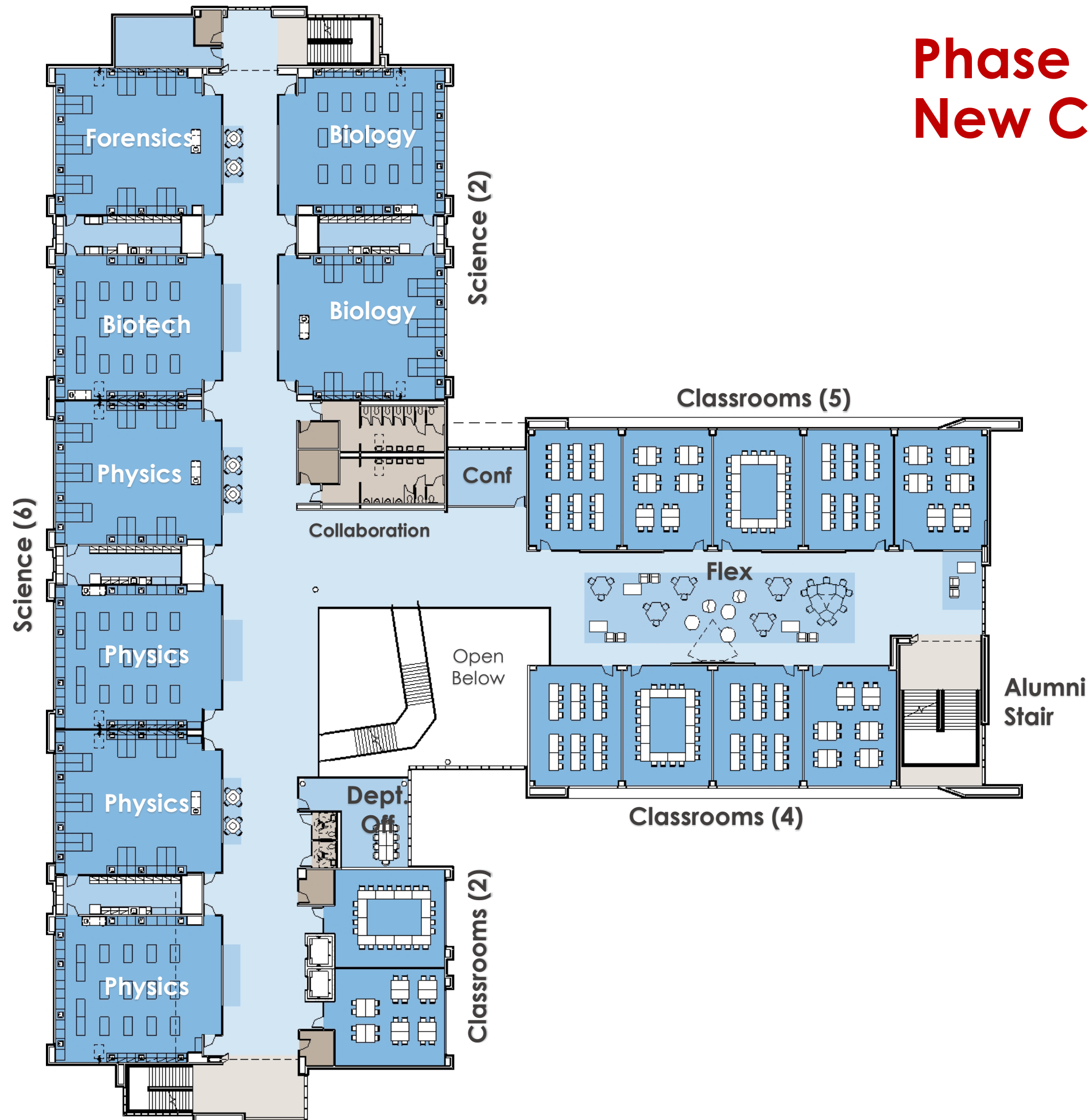
ATRIUM SECTION

Phase I – West Campus New Construction



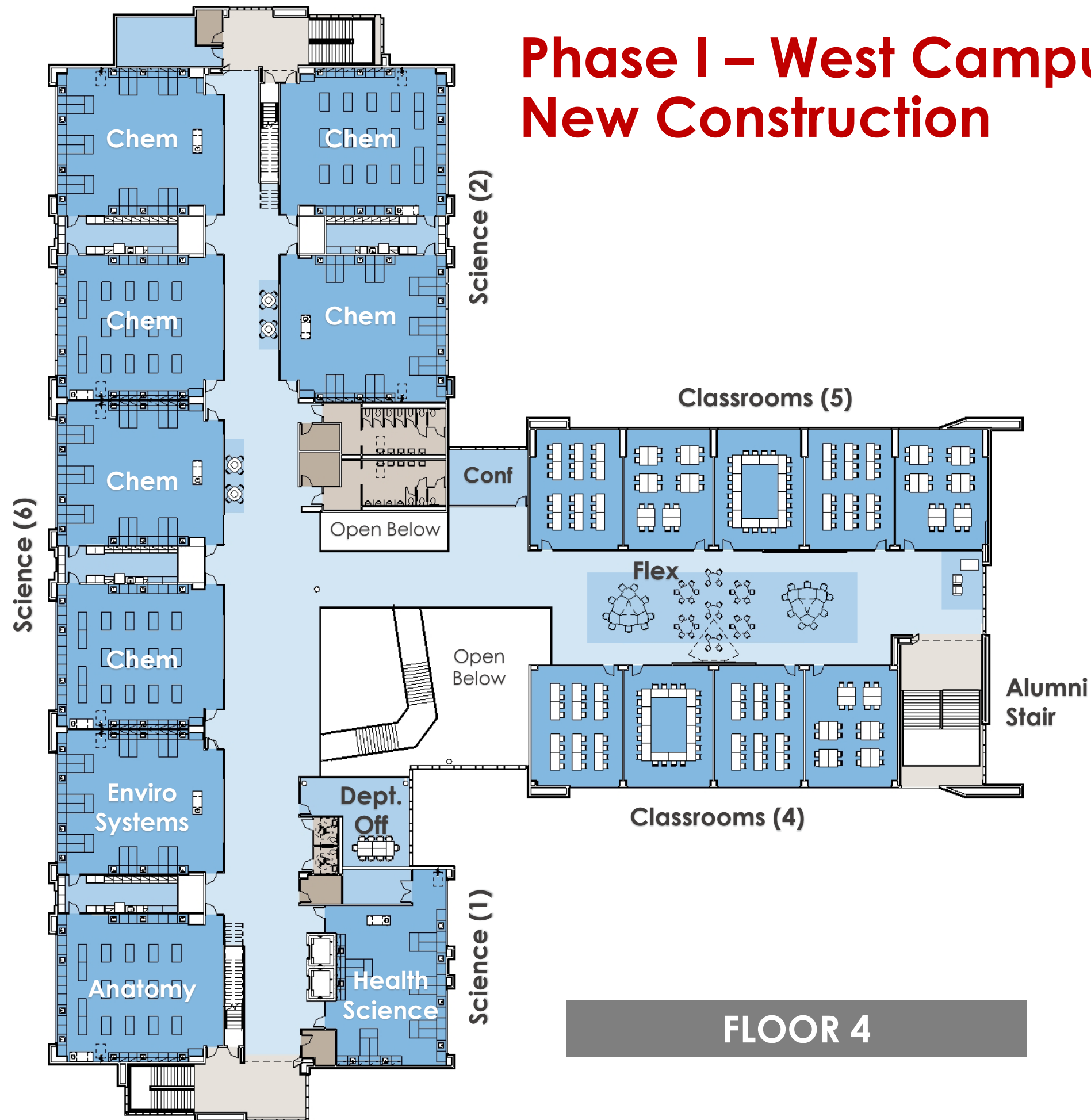
FLOOR 2

Phase I – West Campus New Construction

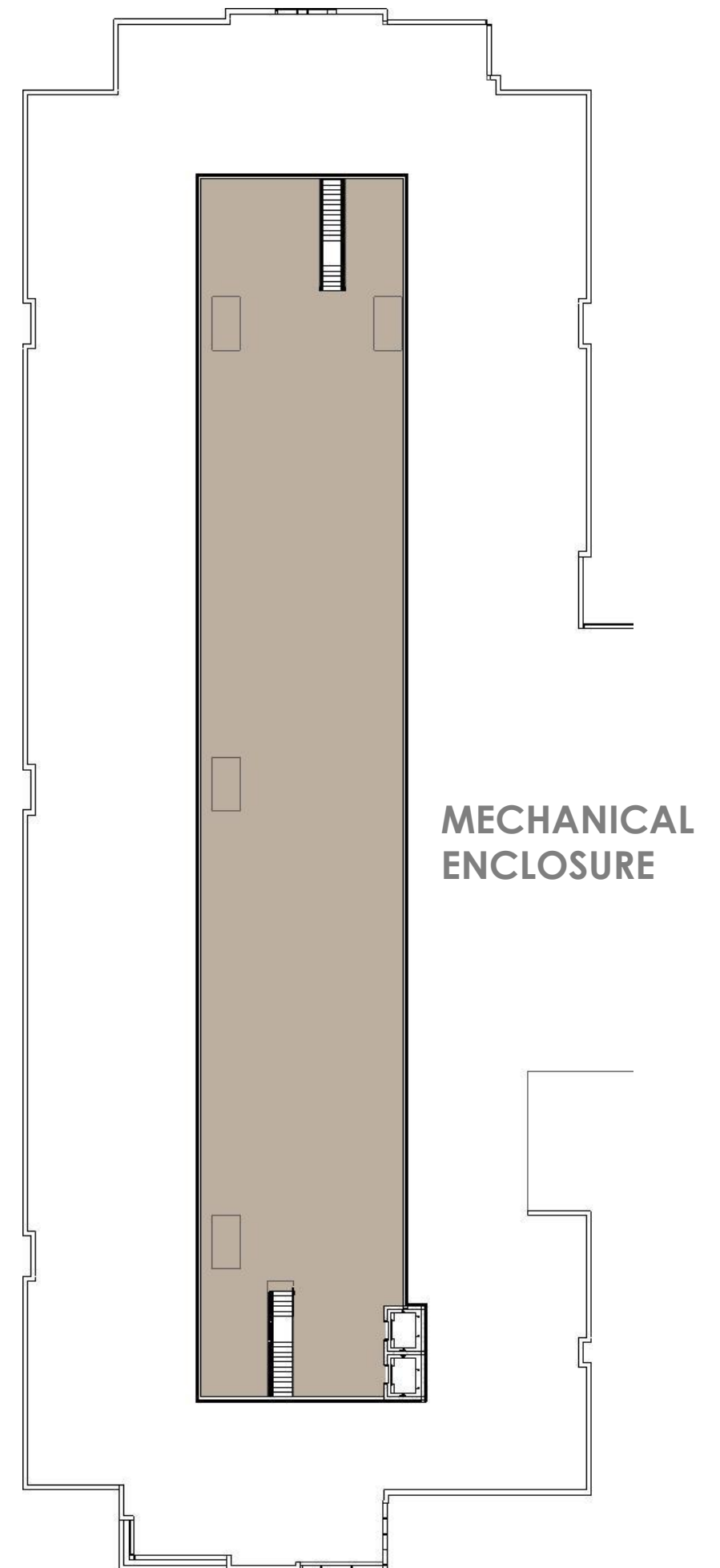


FLOOR 3

Phase I – West Campus New Construction

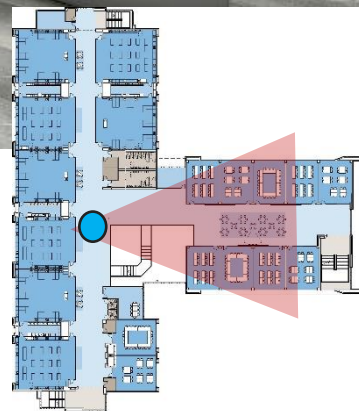


FLOOR 4





3rd FLOOR COLLABORATION SPACE



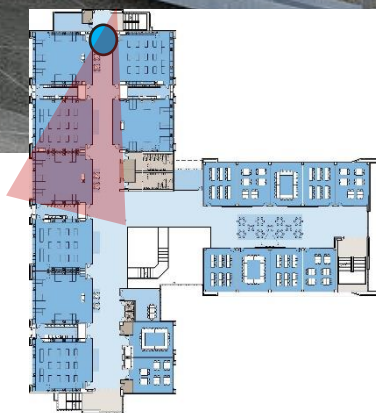


CLASSROOM CORRIDOR / FLEX





SCIENCE CORRIDOR / FLEX





ALUMNI STAIR

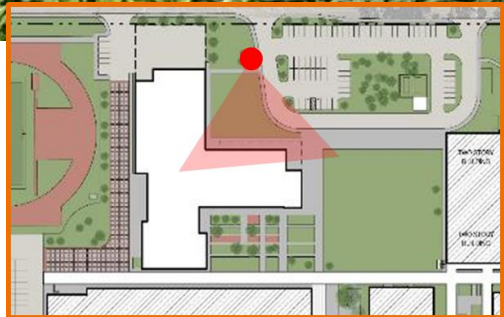




EXISTING SCHOOL EXPRESSION

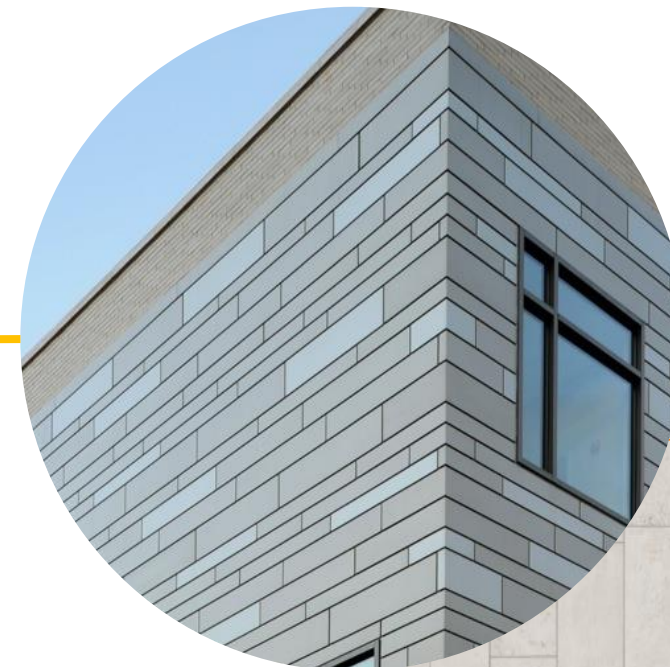


MAIN APPROACH AT GAYLORD DRIVE





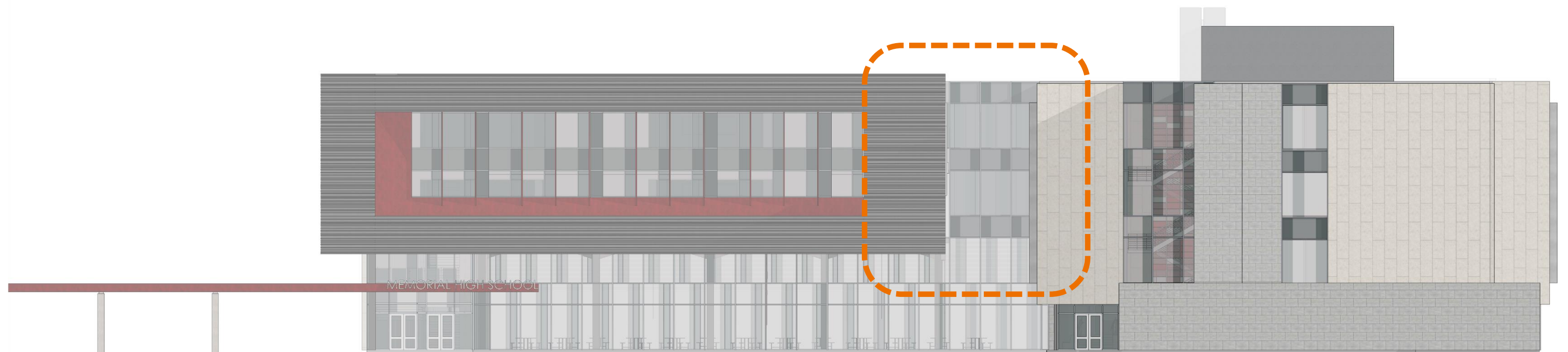
Metal Panel

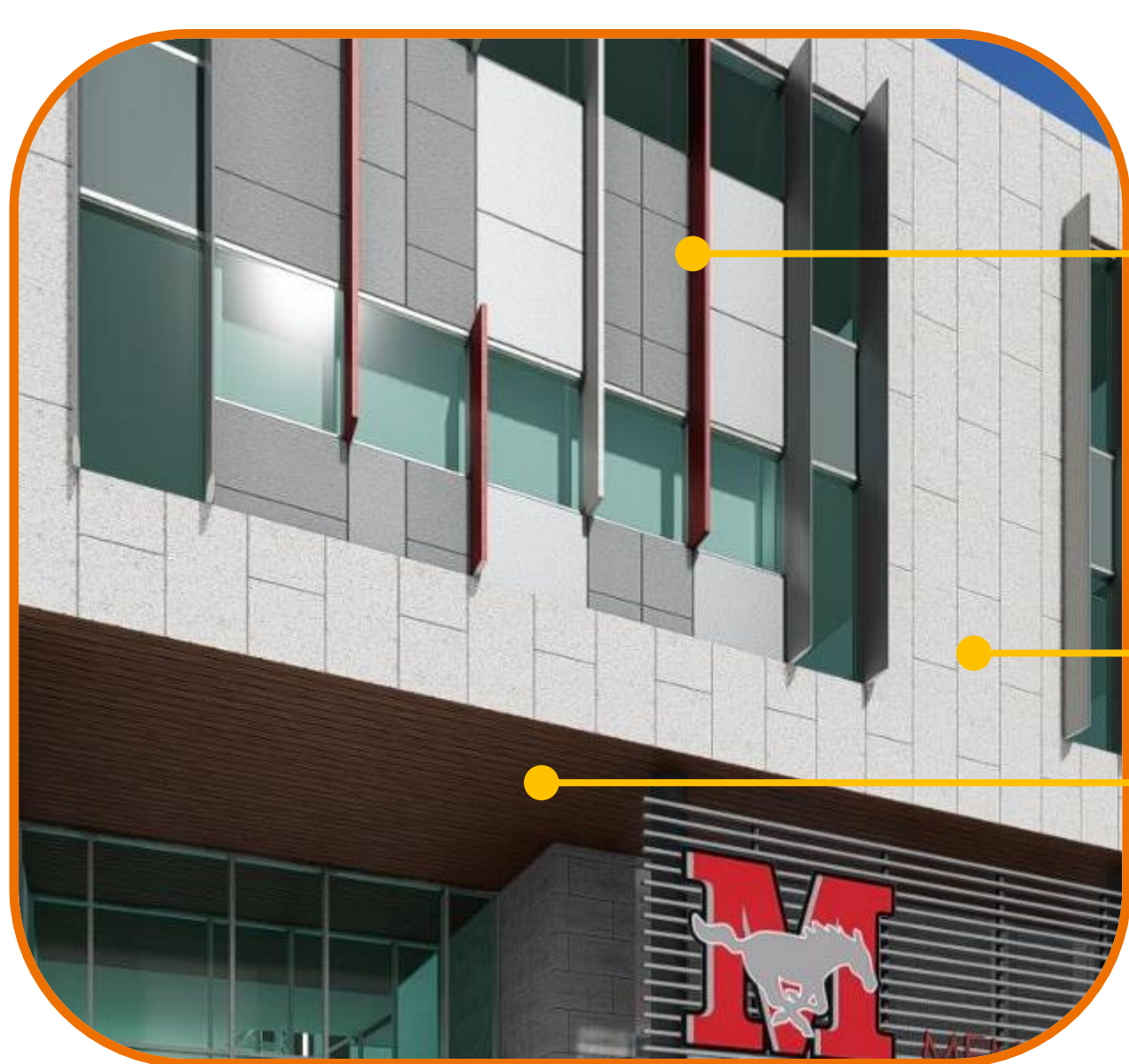


Limestone Veneer



NORTH ELEVATION

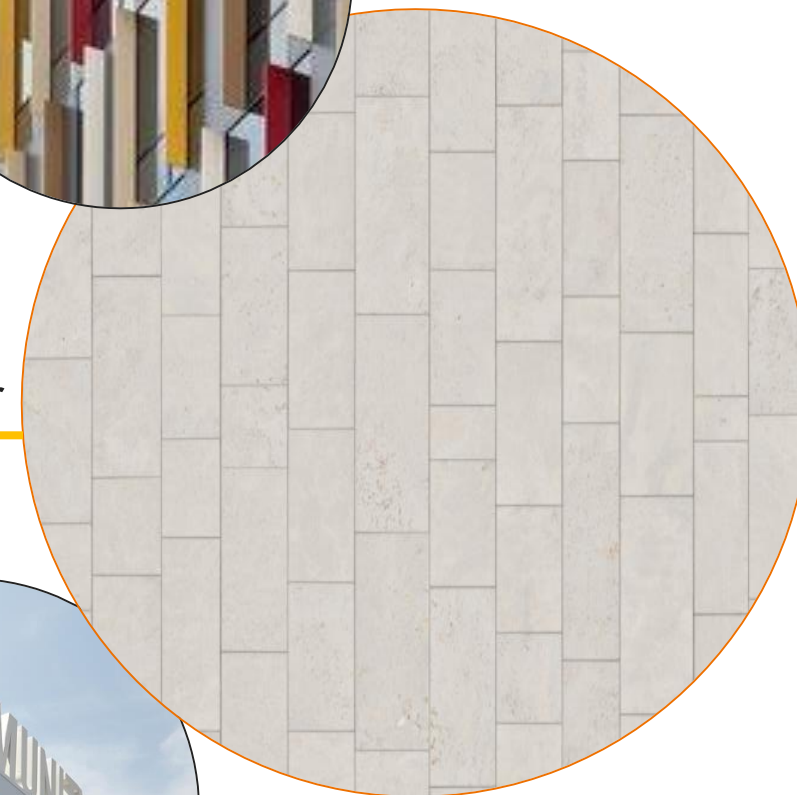




Metal Fins



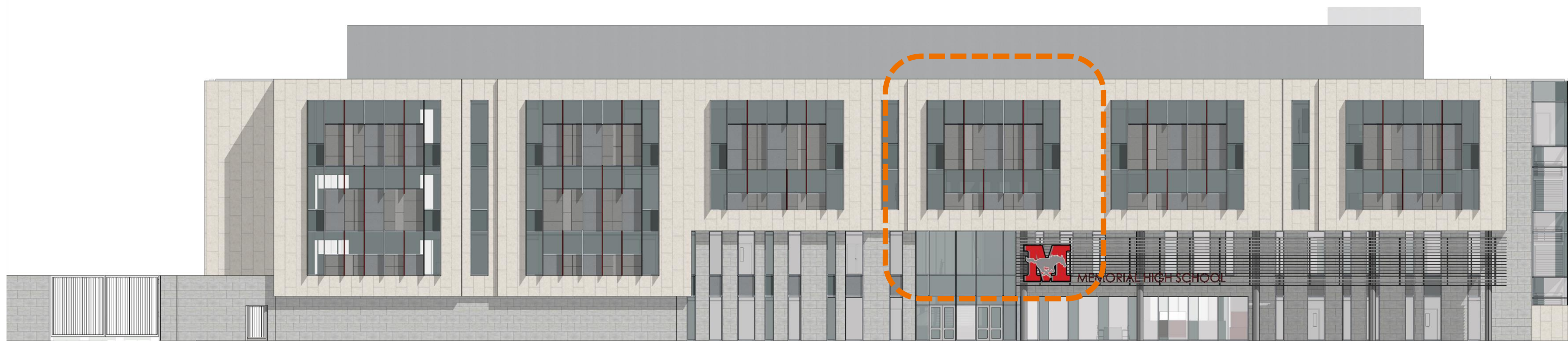
Limestone Veneer



Wood Soffit



EAST ELEVATION





COURTYARD PERSPECTIVE (VIEW FROM LIBRARY)





STUDENT PLAZA PERSPECTIVE





3D ANIMATION