



La Costa Canyon High School

Master Plan, January 16, 2012
Roesling Nakamura Terada Architects



**San
Dieguito**
Union High School District



Introduction

1.0 INTRODUCTION

The vision for the facilities of the San Dieguito Union High School District focuses on creating learning environments that embrace variety in teaching and learning styles, are responsive to our rapidly changing world, and will encourage students to be good stewards and citizens of a greater community.

Three areas of focus are:

- Flexible, Adaptable, and Technology Rich Facilities
- Sustainable High Performance Environments for Learning
- Community Focused Campuses

1.0 Campus Capacity

The current campus enrollment is approximately 2,500 students. The campus can serve 3,000 students at capacity.

The goal of the campus build out is to provide permanent classroom buildings and facilities to function at campus capacity.

1.1 Scope

The scope of services to accomplish the Master Plans for La Costa Canyon High School includes:

- Facility Evaluations

- Programming
- Site and Facilities Development
- Project Budget Development
- Master Plan Document Preparation

1.2 Campus Identity

The campus, established in 1995, is an open campus with a collegiate atmosphere. The quality of the campus relates a strong community feeling, and is reinforced with high academic achievement and an excellent athletic program. The goal of the master plan is to strengthen the campus through increased interaction and flexibility.

The master plan process focused on reenvisioning the campus and facilities to foster 21st Century Learning, providing students with the tools to prepare for the unforeseen. In a world with so much information the critical issue becomes a student's ability to discernibly synthesize and collaborate. To accomplish this goal, the faculty strives to foster imagination, effective communication, adaptability, curiosity, critical thinking and problem solving.

Campus design and spaces need to be flexible, adaptable and varied. To foster cross disciplinary exchange and campus identity, the master plan draws connections between disparate sections of campus to create a unified whole, and improve the flexibility of the facilities.

As a relatively new campus, the majority of the campus will remain, receiving technology

upgrades and air conditioning.

1.3 Requirements of Learning

Many of the spaces and techniques found to foster 21st century learning have been established as timeless elements of learning. These include social learning, hands on learning, and comprehension.

Environmental aspects that contribute to learning include:

- natural light & fresh air
- interaction
- flexibility/adaptability

The master plan creates and enhances spaces across the campus to create a technology rich and flexible learning environment for daily classes and extracurricular activities. Indoor/outdoor teaching space gives teachers flexibility, while large gathering spaces accommodate collaborative campus activities.

Technology rich classrooms not only provide spaces for organized classroom learning, but also space for group learning, clubs and extracurricular activities. These activities are often where students engage in flexible, rigorous, and technology rich learning.

1.4 Reflection of Campus Ideals

The strongest critiques of the existing La Costa Canyon High School campus relate to usable outdoor space, and shade.

It is a goal of the reenvisioned master plan to remedy this by creating and improving gathering space at the center of campus as well as at the existing quads. Quad based outdoor teaching spaces are easily accessible from their respective classrooms, and will provide a variety of learning spaces on campus.

The connections between these outdoor spaces are strengthened by the placement of new campus facilities, completing the campus.

The new facilities increase the technological capabilities of the campus. The much needed Videoconference Center provides students and faculty a space for media presentations and distance learning.

The new general classroom building and science buildings replace the portable buildings at the 700's quad, providing permanent technology rich, flexible learning spaces. The new Field House building provides much needed flexibility to the athletics program, and becomes a venue for school wide events.

Lastly, the Campus facility upgrades reflect a campus focus on sustainability and energy efficiency. New and existing facilities will be outfitted with energy efficient building envelopes, lighting and energy management systems to maximize energy efficiency. Additional photovoltaic panels will also be added to the campus to further offset energy use.



Administration Building



Performing Arts Center



Library



Classroom Building

Existing Campus Plan



Existing Campus Plan

30 150

Existing Campus Diagram



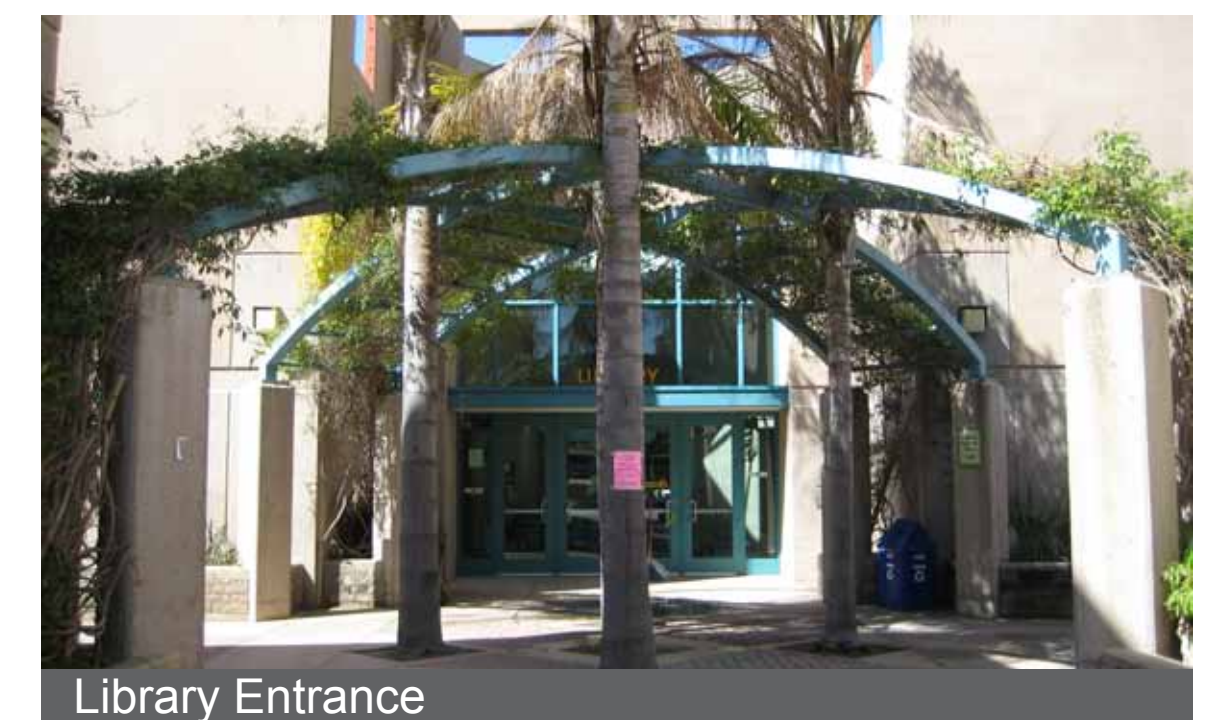
Classroom Building



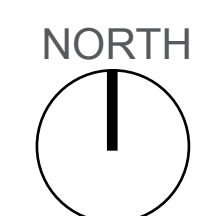
Gymnasium Entrance



Gym - Back Entrance



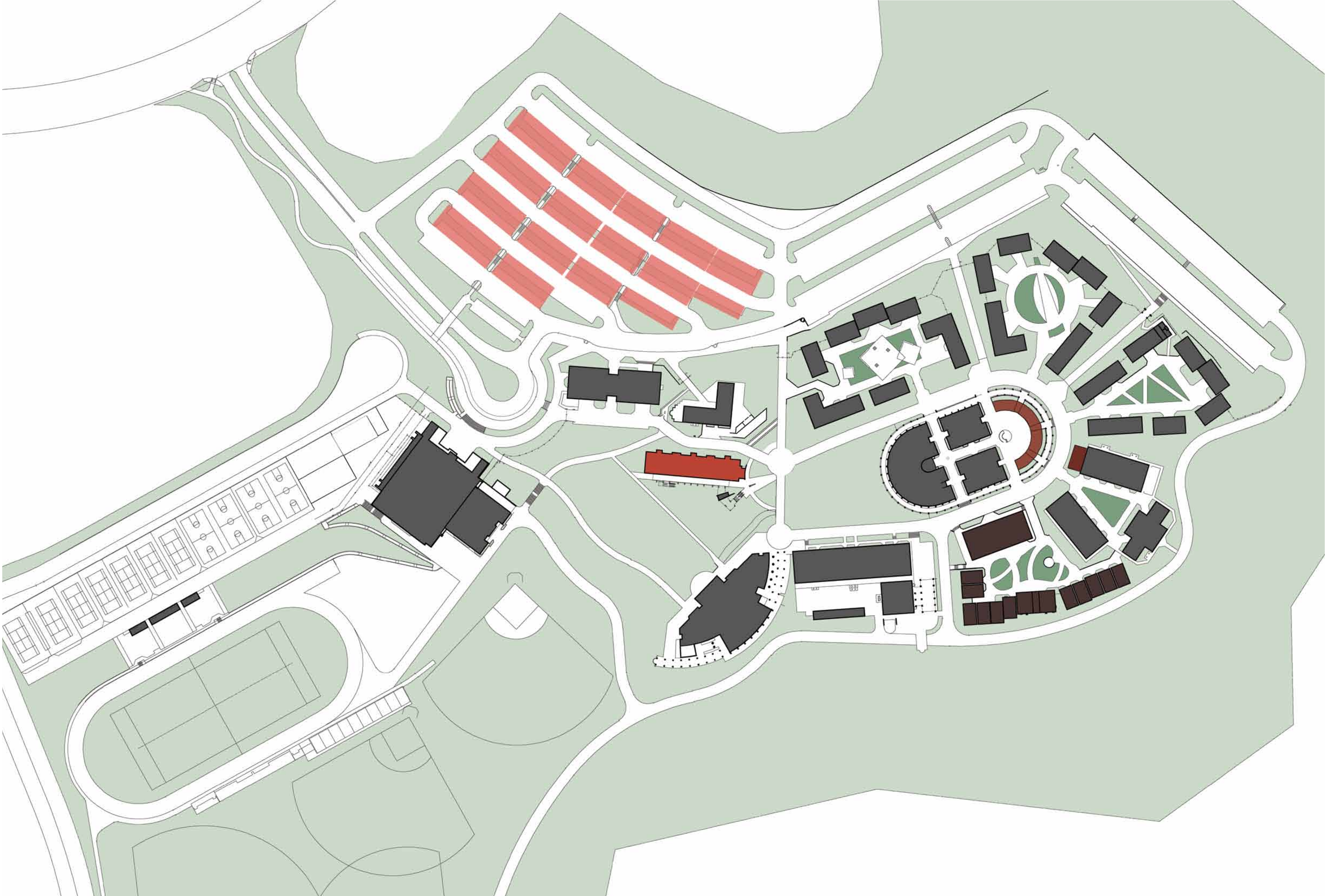
Library Entrance



Existing Campus Zones

30 150

Campus Timeline



Original Campus - 1995

- The original campus included the:
- Administration Building
 - Counseling Building
 - General Classrooms
 - Gymnasium
 - Arts & Theater

5th Quad Built - 1996

- Arts & Technology Building
- Classroom Portables Added

Food /Shade Structure - 2000

- Food Satellite
- Lunch Shade Structure

6th Quad Added - 2005

- New Classroom Building

PV Structure - 2010

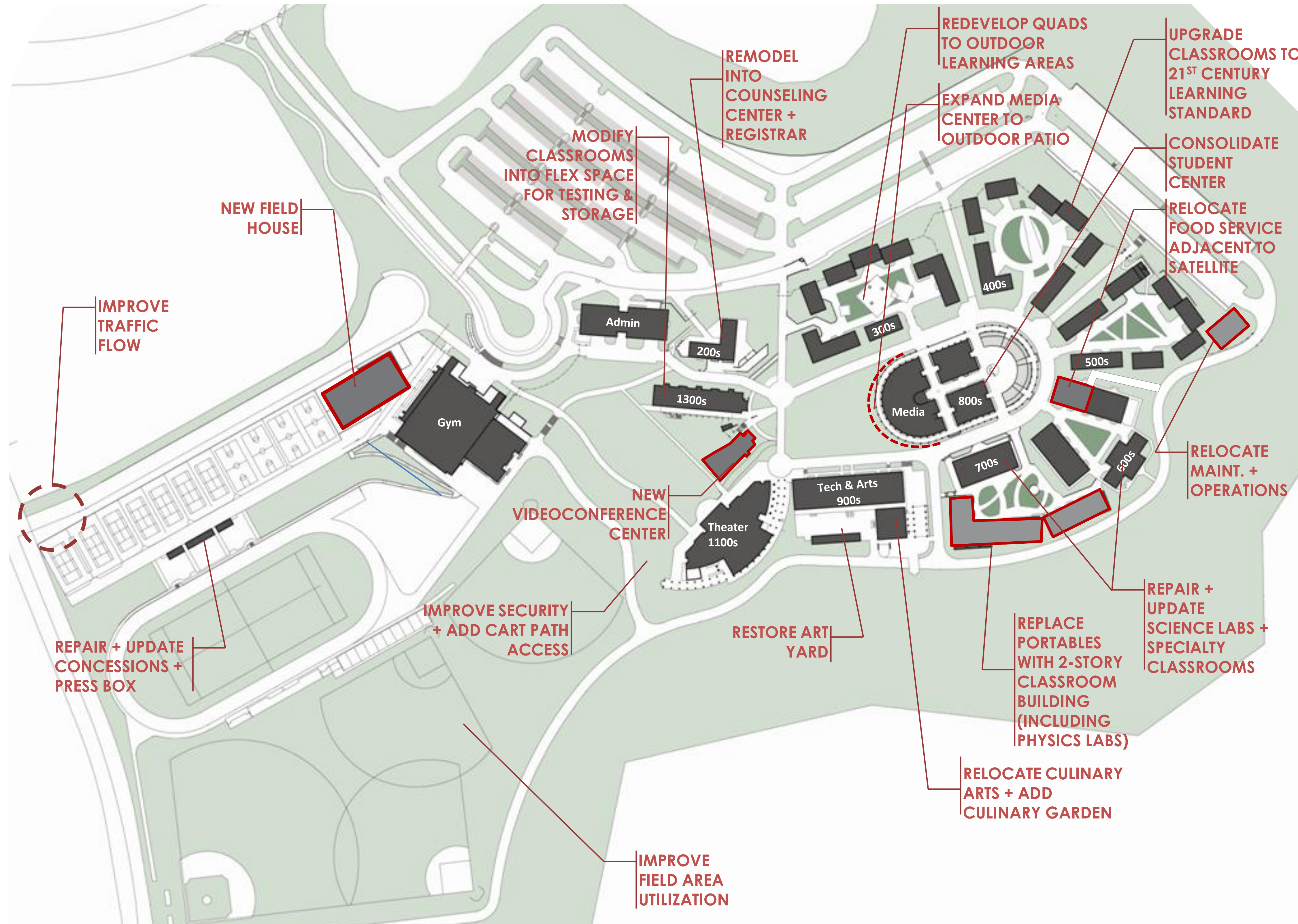
- 1 mW PV Parking Shade Structure



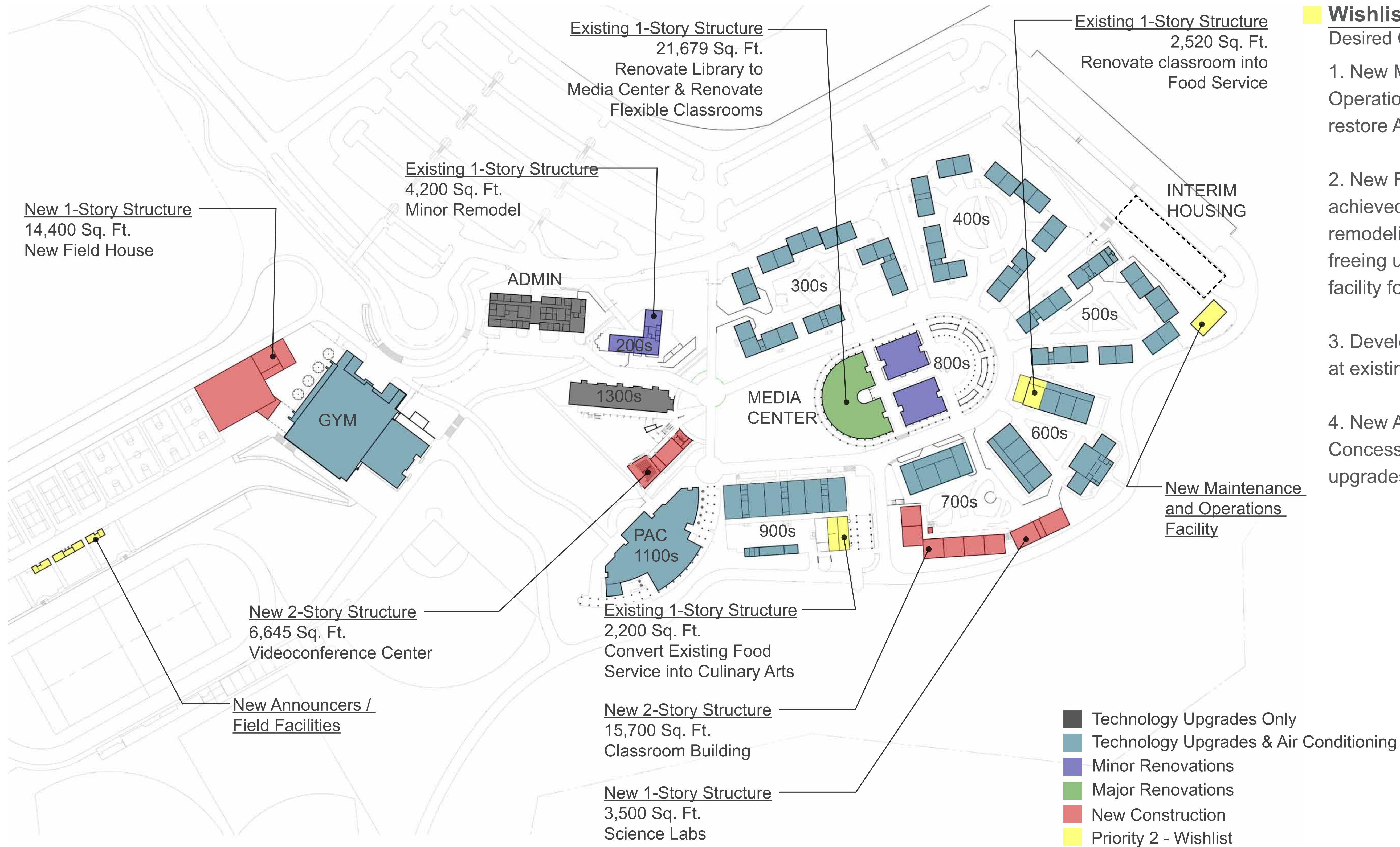
Campus Timeline



Proposed Campus Improvements



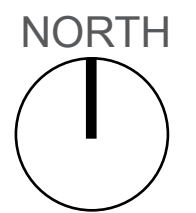
Campus Renovation Plan



Wishlist

Desired Campus Additions/Changes

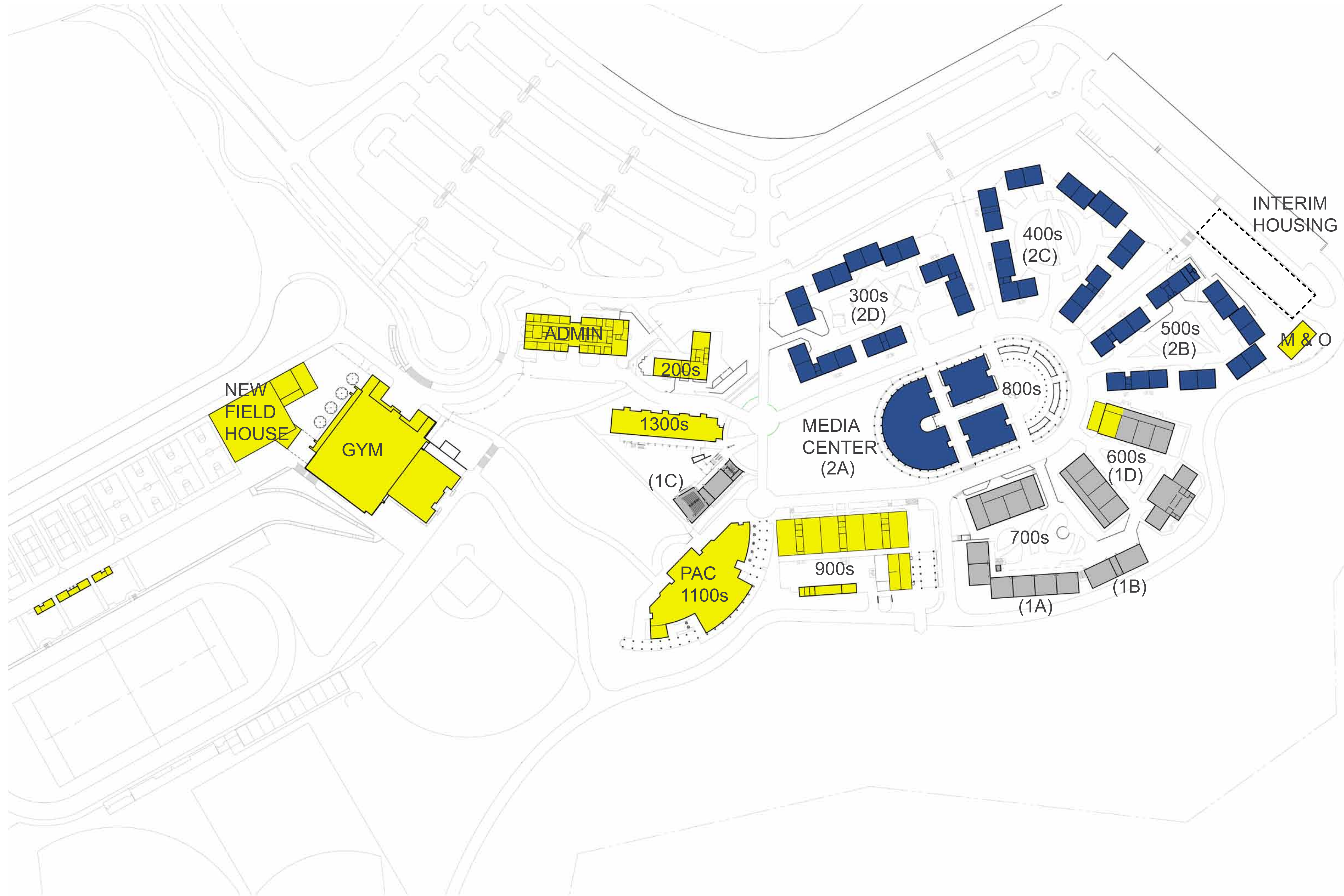
1. New Maintenance and Operations facility in order to restore Arts Yard to the 900's quad.
2. New Food Service Facility achieved by overtaking and remodeling existing science lab freeing up existing Food Service facility for Culinary Arts.
3. Develop Culinary Arts Classroom at existing Food Service Building
4. New Announcers and Concessions Building as well as upgrades to the field facilities.



Site Plan - Campus Renovation Plan



Campus Phasing Plan

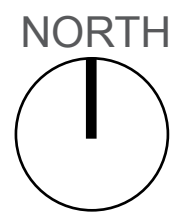


- Phase 0**
Interim Housing
0. Interim Housing

- Phase 1**
Interim Housing & Upgrades
1A. New (2) story Classroom Bldg to replace portables @ 700's
1B. New Science Lab Bldg to replace portables @ 700's
1C. New Videoconference Center
1D. Tech and AC upgrades 600's & 700's

- Phase 2**
Upgrades
2A. Tech and AC upgrades 800's
2B. Tech and AC upgrades 500's
2C. Tech and AC upgrades 400's
2D. Tech and AC upgrades 300's

- Phase 3**
New Buildings, and Upgrades
3A. New (1) Story Field House to replace portables
3A. Minor Renovations 200's
3B. Tech upgrade Admin, Gym & 1300's
3C. Tech and AC upgrades 900's, and Theater
3D. Wishlist: New M and O Building, Upgrade Field Facilities including Announcers Box



Overall Site Plan



Site Additions/Changes

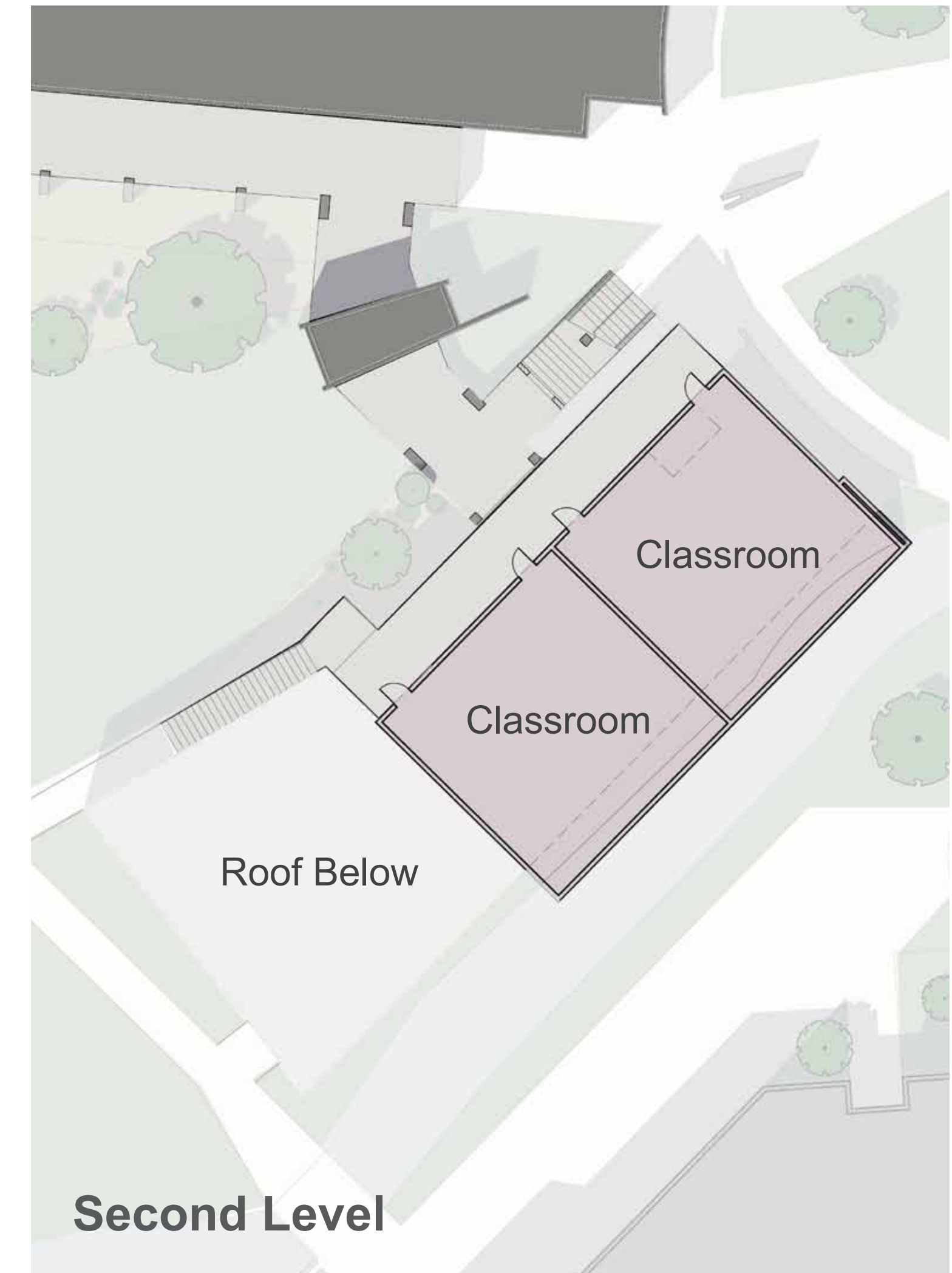
- A. Technology Facilities
 - 1. New Videoconference Center
 - 2. Renovated 6th Quad
- B. Counseling Building
 - 1. Renovated Interior and Exterior Space
- C. 700s Quad
 - 1. New (2) Story Classroom Building to replace portables (12 new classrooms total)
 - 2. New (1) Story Science Building to replace portables (2 new science labs total)
- D. Athletics
 - 1. New Field House
 - 2. Repaired Announcers Bldg.
 - 3. Field Improvements
- E. Exterior Quads
 - 1. New plantings & Hardscapes
 - 2. New Outdoor Teaching Areas



Site Plan



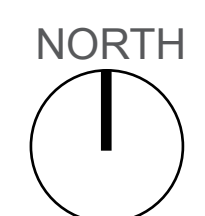
Videoconference Center



Ground Level

Second Level

Key Map



Videoconference Center



Classroom Bldg and Science Labs



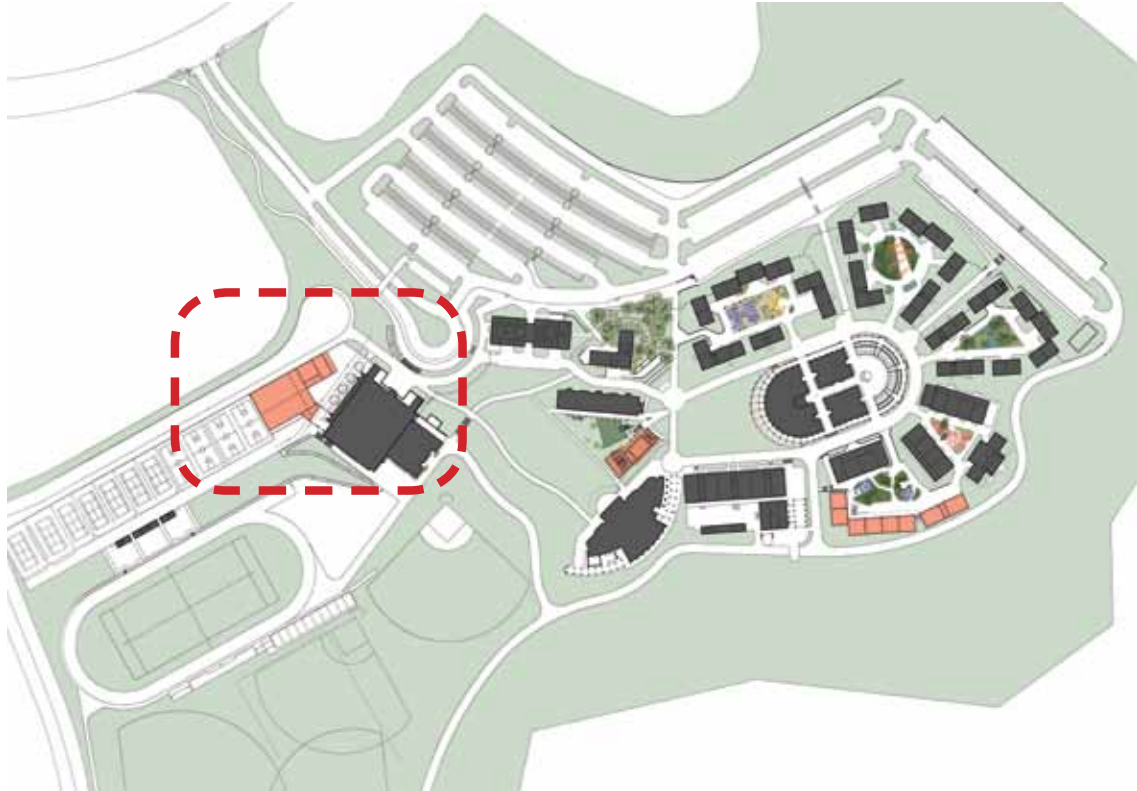
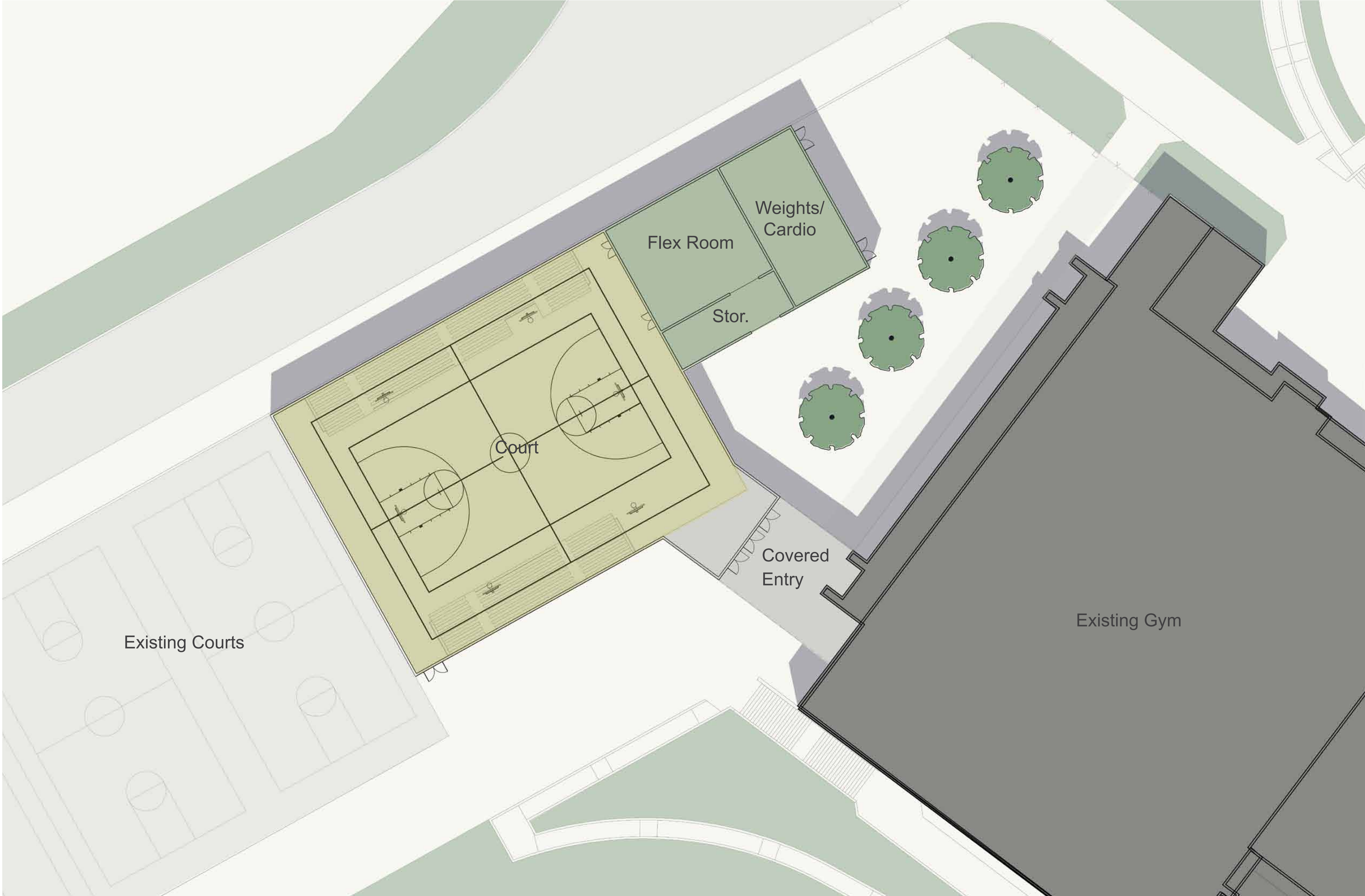
Key Map



New Classroom Building and Science Labs



Field House



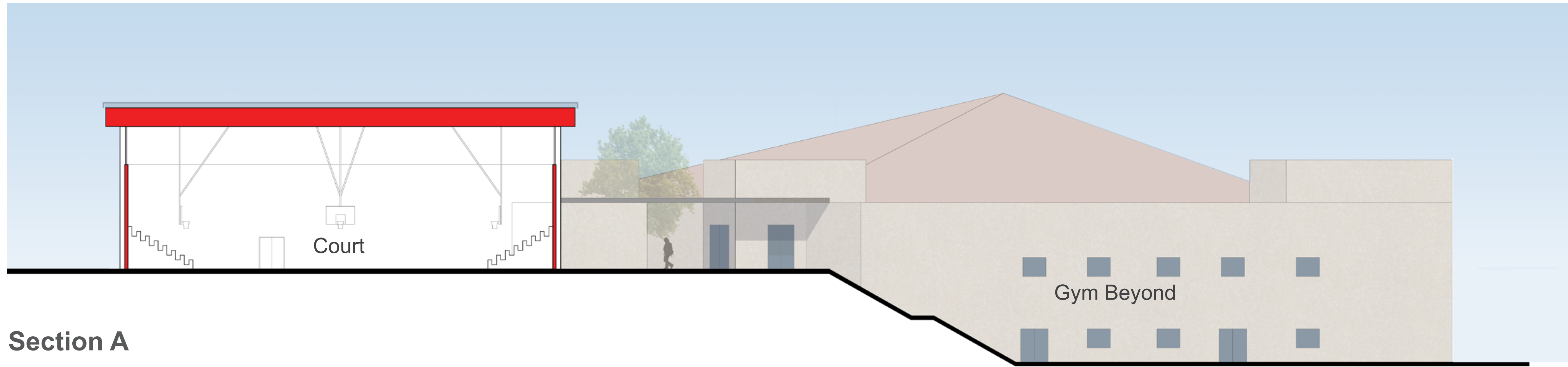
Key Map



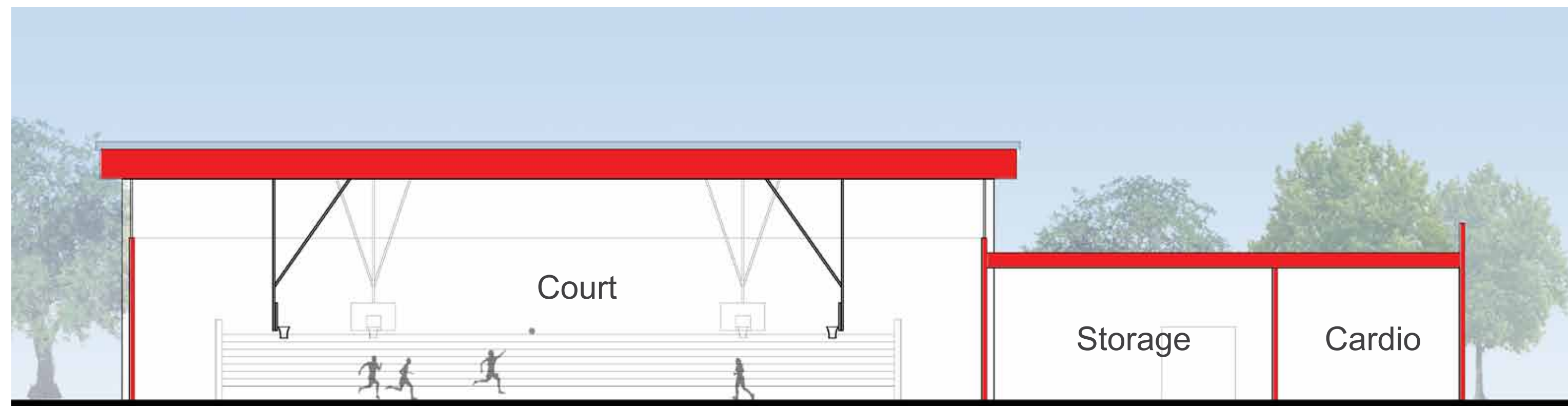
Field House Plan

6 12 24

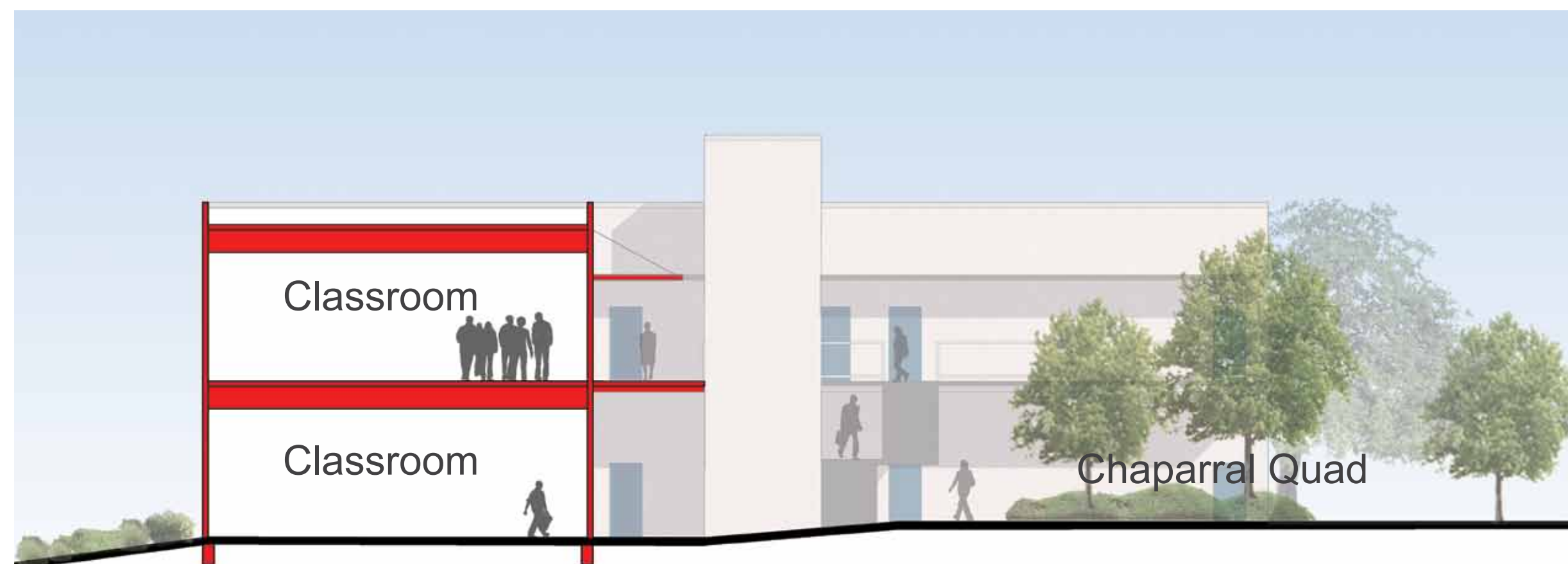
Site Sections



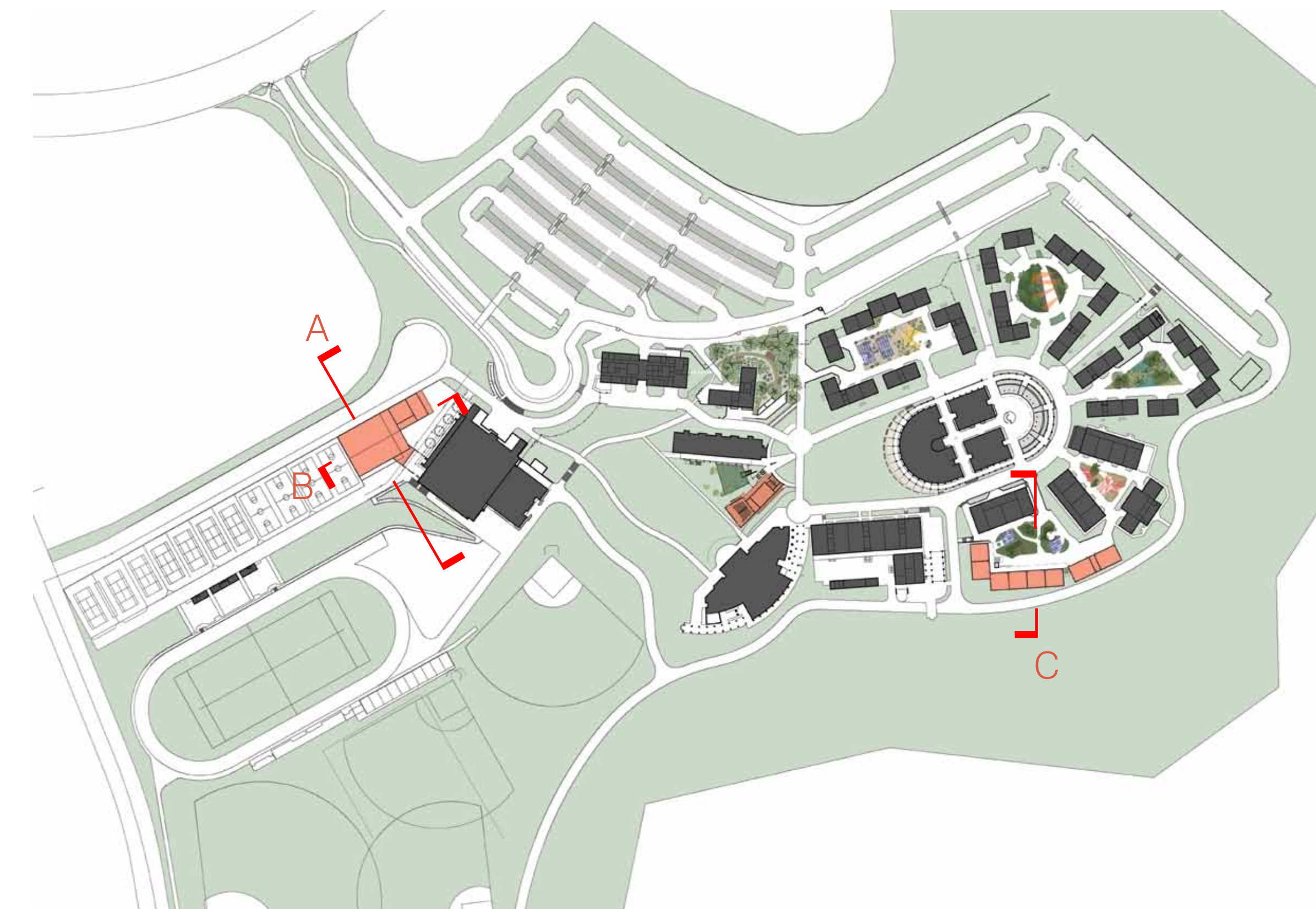
Section A



Section B



Section C



Key Map



Site Sections

NTS