

# U. Colorado at Colorado Springs

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## Facilities Strategic Plan University of Colorado at Colorado Springs



Fort Carson 5<sup>th</sup> Annual Sustainability Conference and Expo - November 9, 2006

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SLATER PAUL  
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**Loebl Schlossman & Hackl**  
Architecture • Planning • Interiors

EDAW

**UCCS** UNIVERSITY OF COLORADO  
AT COLORADO SPRINGS

# U. Colorado at Colorado Springs

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UCCS is the designated growth campus in the CU system.

The target for growing the student headcount and gross square feet:

- |                      |           |                 |
|----------------------|-----------|-----------------|
| • Current:           | 7,620 HC  | 1.4 Million GSF |
| • Five Year Plan:    | 9,100 HC  | 2.3 Million GSF |
| • Fifteen Year Plan: | 15,000 HC | 3.5 Million GSF |
| • Hundred Year Plan: | 30,000 HC | 7.0 Million GSF |

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## Guiding Principles

- Plan for the dream, not the limitations.
- Improve the sustainability and physical beauty of the campus buildings and grounds while protecting and preserving the environment.
- Create a walkable campus.
- Establish connectivity with internal vehicular, pedestrian and bicycle networks.



# Beyond Smart Growth...Climate Goals

Institution	CO2 Reduction Commitment
U. Of California system	80% below 1990 levels by 2050
Oberlin College	Carbon neutrality
Carleton College	Carbon neutrality
UNC Chapel Hills	30% by 2040
U. Of Florida	Carbon neutrality
U. Of Wisconsin	4 campuses energy independent by 2012
UCCS	????

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## Planning process

- Hire team with demonstrated experience in sustainable master planning
- Determine and prioritize sustainability goals for future development
- Sustainability focus group meeting
- LEED-ND as tool
- Context Sensitive Solutions



# LEED – ND Checklist

Feature	Yes/No	Comment
Environmental Preservation		
Imperiled Species and Ecological Communities	Y	do not disturb land occupied by endangered species or ecological communities
Wetland & Water Body Protection	C	do not build on 90% of any wetland or riparian areas and or buffer land within 100' of these areas (60% for infill sites).
Steep Slope Preservation	Y	build on sites that have no slopes greater than 15%; or on sites with slopes no greater than 40% with limits to % of development and not within 50' of top of slope.
Minimize Site Disturbance Through Site Design	Y	preserve existing tree canopy, native vegetation and pervious surfaces while high density, smart growth communities.

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## Context sensitive solutions (CSS)

-- “a collaborative, interdisciplinary approach that involves all stakeholders to develop a transportation facility that fits its physical setting and preserves scenic, aesthetic, historic and environmental resources, while maintaining safety and mobility. CSS is an approach that considers the total context within which a transportation improvement project will exist.”

-- Federal Highway Administration

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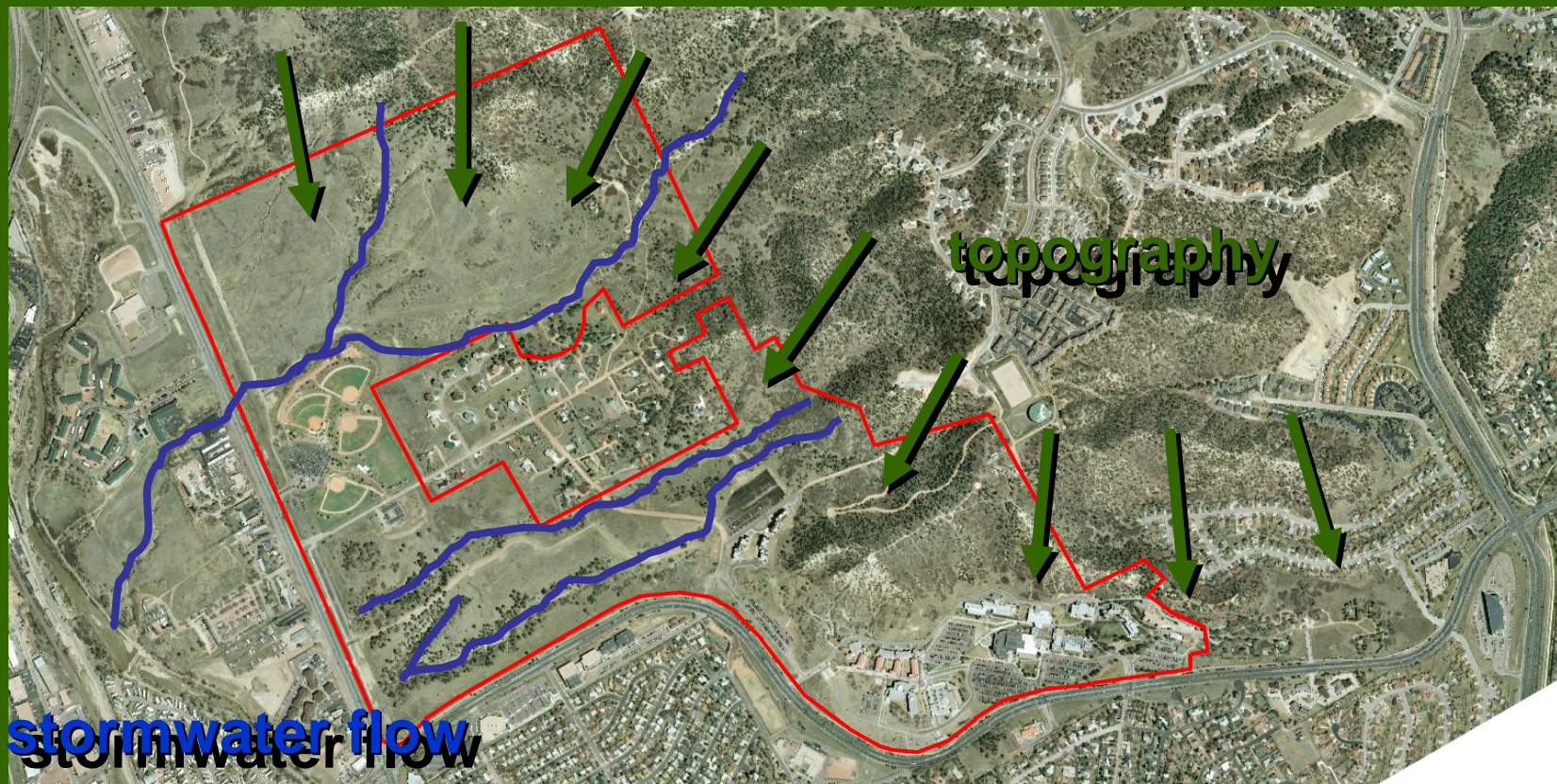
## Sustainability themes

- Honoring the landscape
- Pedestrian (bicycle) orientation
- Energy conservation
- Mixed use
- Water conservation and management
- Preservation of open space



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## Honoring the landscape – existing campus



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## Hundred Year Development Plan

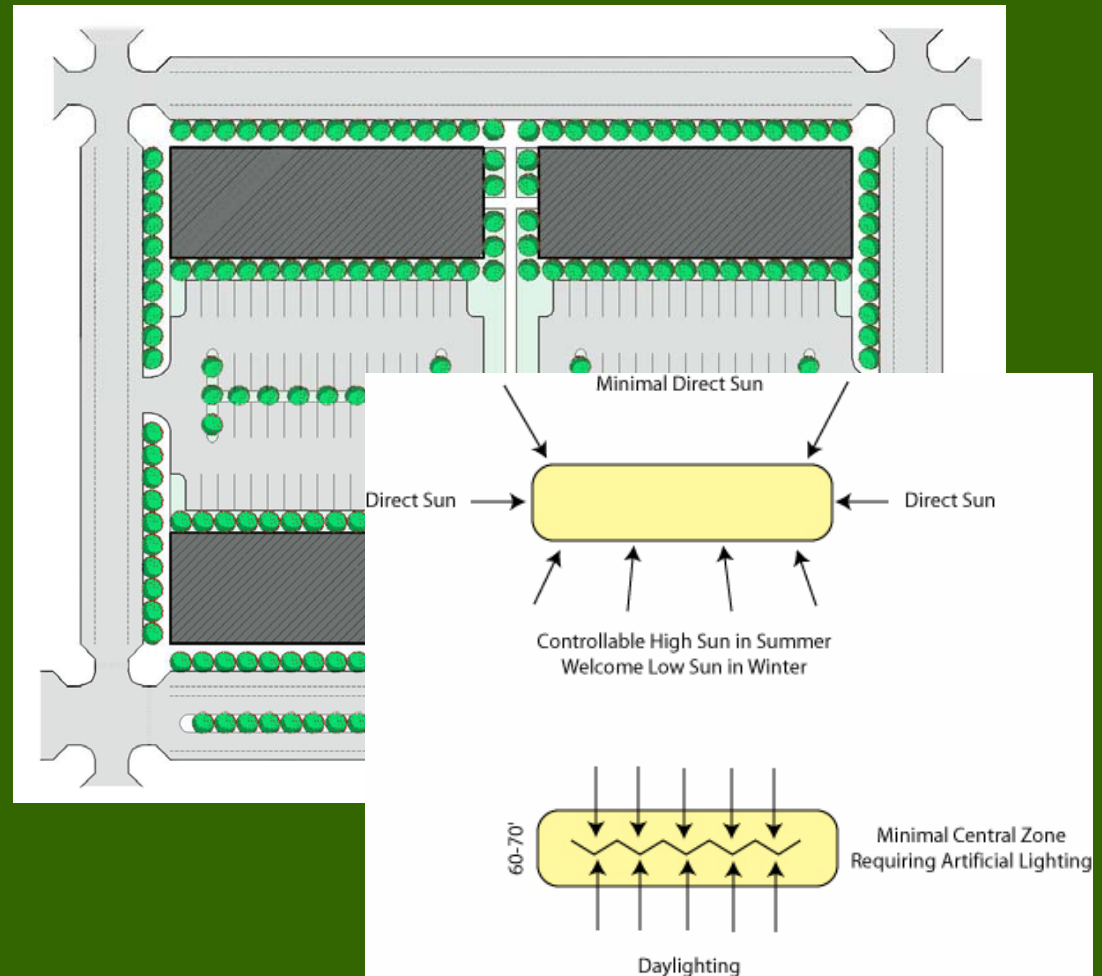


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## Block Prototype

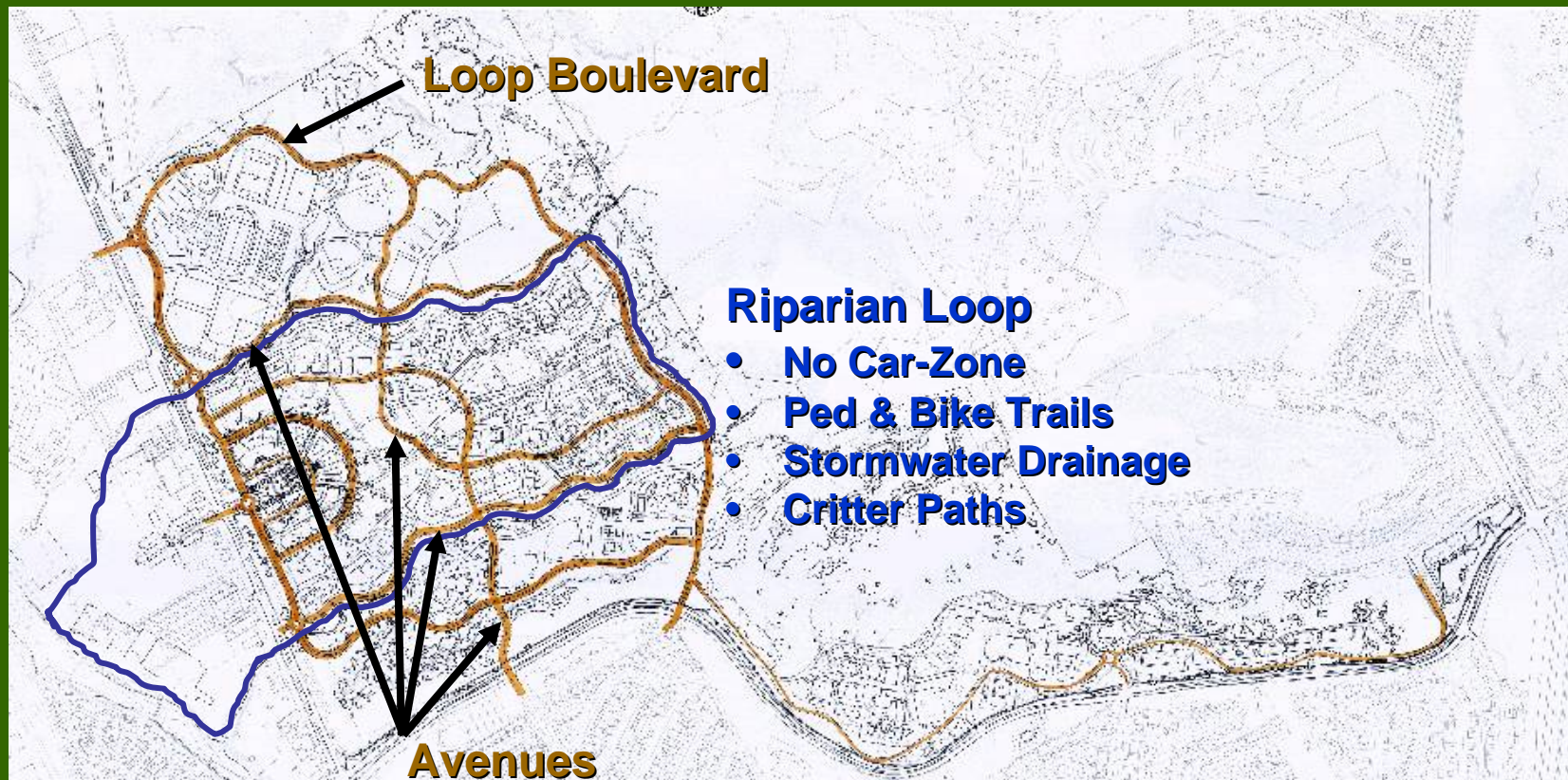
300 ft. by 400 ft.  
(roadside plus  
context zone)

- Shallow-footprint buildings close to the street
- Small surface parking lots hidden behind buildings
- Pedestrian mid-block circulation



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## Primary Networks

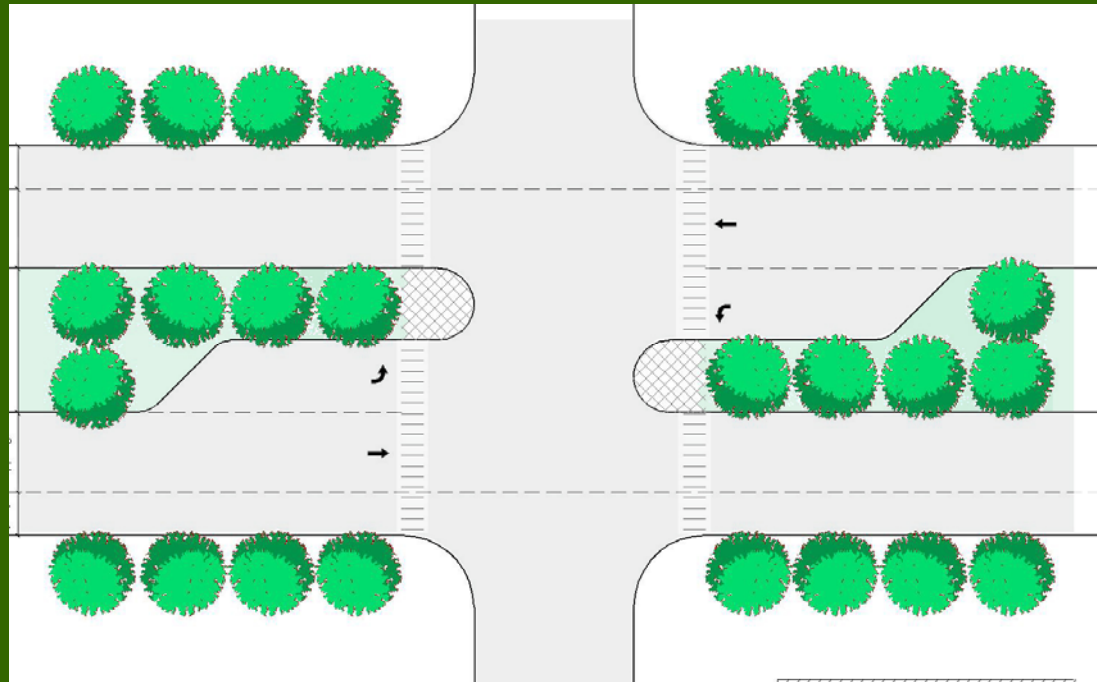


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## Road Hierarchy & Configuration

### Loop Boulevard

- Central 20 ft. median w/ central left/left turn lane
- Two 11 ft. traffic lanes
- 5 ft. bike lanes on both sides

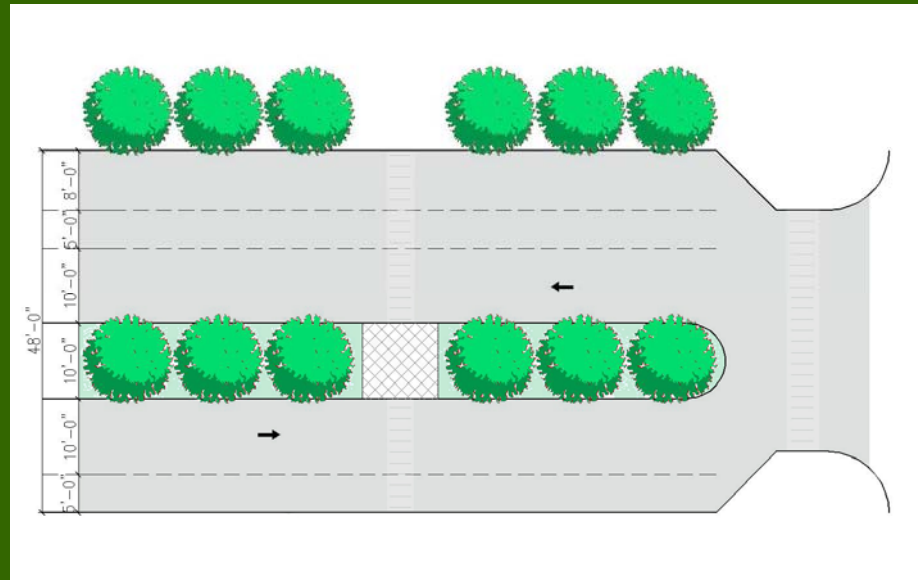


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## Road Hierarchy & Configuration

### Avenues

- Central 10 ft. median
- Two 10 ft. traffic lanes
- 5 ft. bike lanes on both sides
- 8 ft. Parking lanes on both sides (one side only at arroyo)
- Bulbouts at intersections

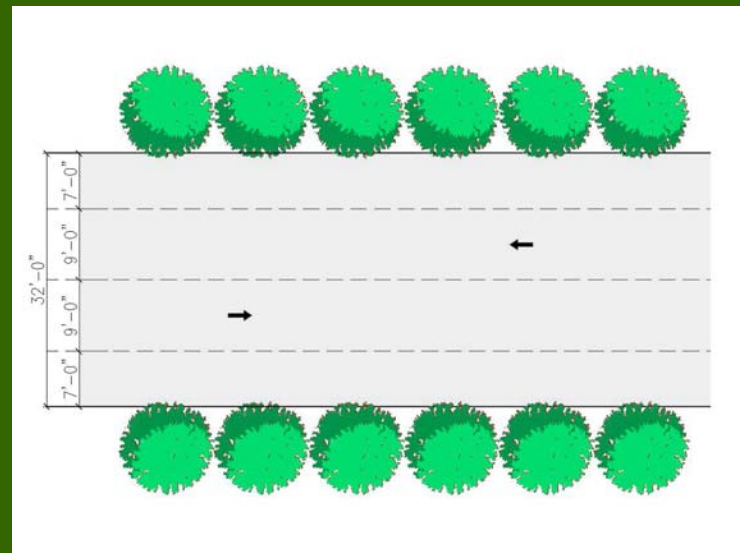


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## Road Hierarchy & Configuration

### Skinny Streets

- Two 9 ft. traffic lanes
- Parking lanes on both sides
- Bulbouts at intersections



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## Water conservation and management

- Native landscapes – xeriscape
- Bio-swales in medians for stormwater management
- Protect natural storm water hydrology of site
- Reduce waste streams by setting aside existing drainage routes as permanent **green space / habitat corridor.**



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## Place Making – Mixed Use

“Successful campuses create an inherent **sense of community** by offering many ways for people to interact with each other in the spaces between buildings.

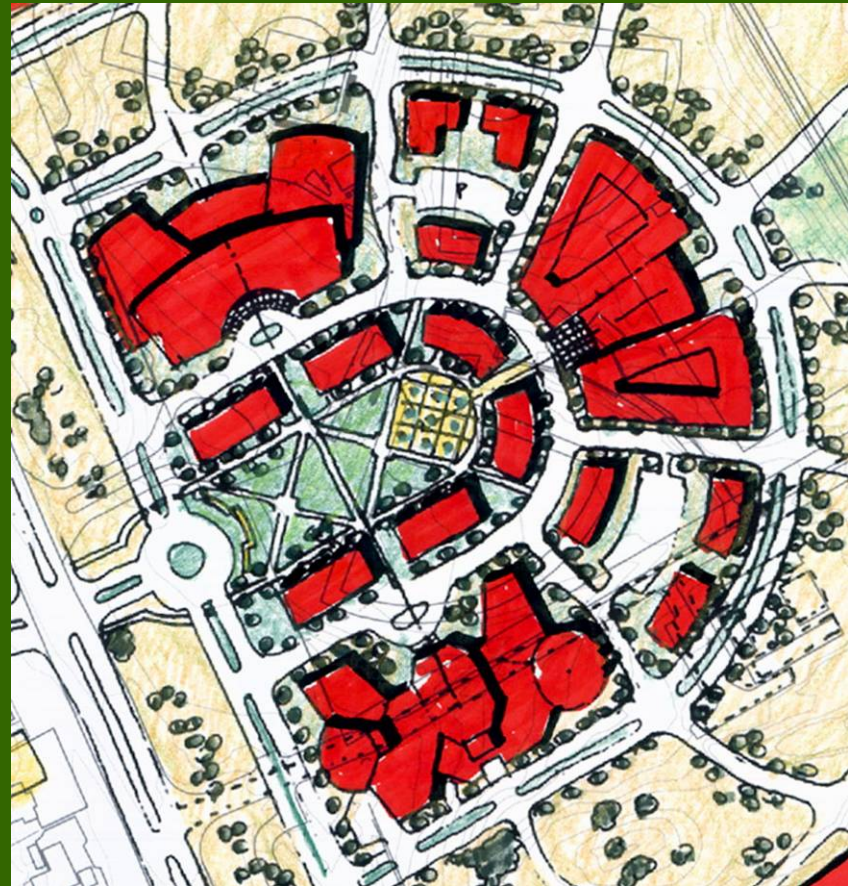
Within any campus, there should be at least ten dynamic, well used public places that attract all kinds of people. This concept is what PPS calls ‘**The Power of Ten.**’ Within each place, there should be at least ten things to do, such as eating, drinking, reading, browsing, playing a game, looking at art...”

- Project for Public Spaces

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## University Village District

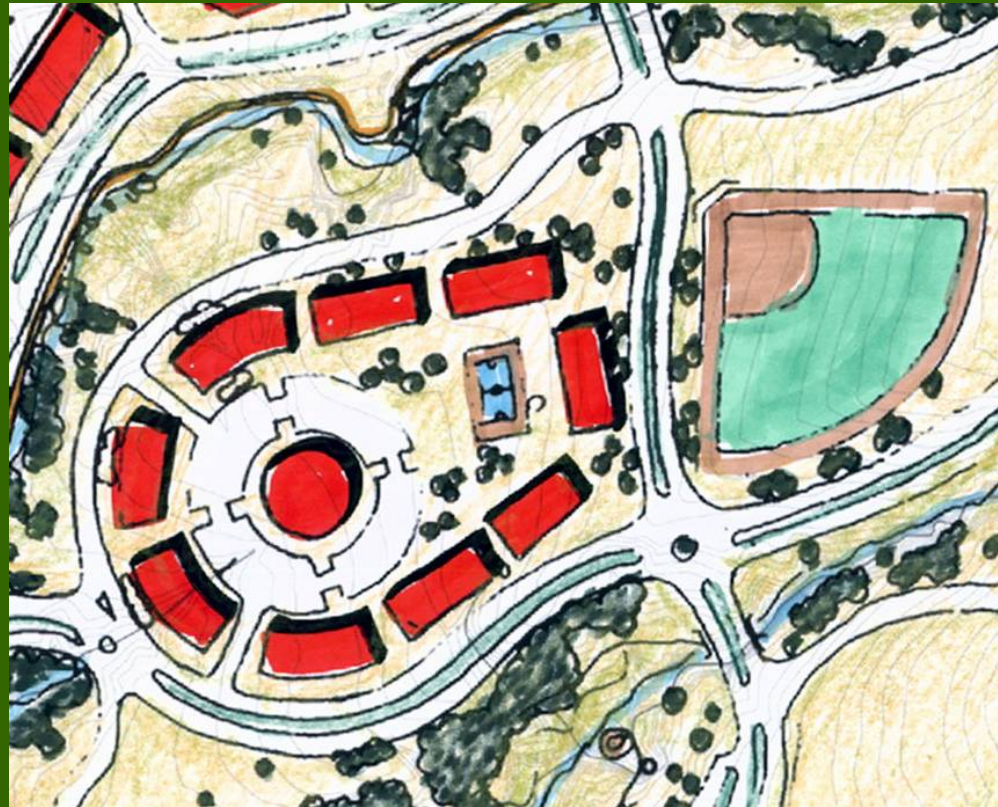
- Formal Village Lawn
- Potential Transit Stop
- Mixed Use
  - Apartment Housing over Retail
  - Student Center / Dining / Bookstore
  - Performing Arts Complex
  - Library



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## Undergraduate Suite Housing District

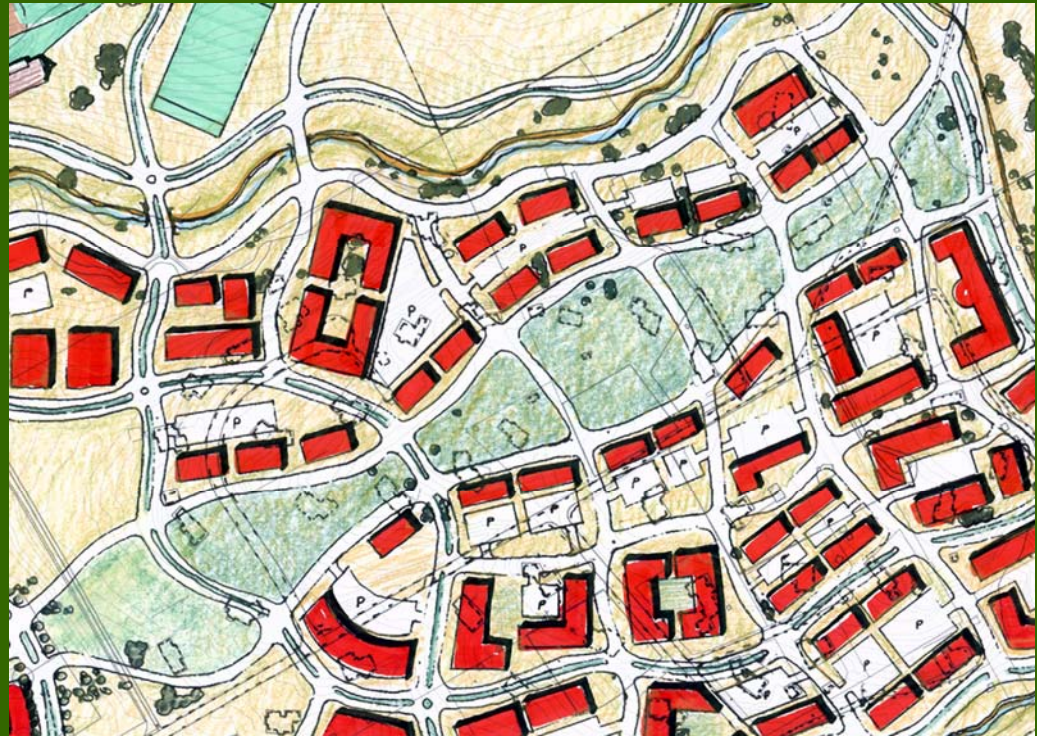
- Cloistered
- Access to informal recreation
- Nearby ped tunnel access to retail across the highway.



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## Open Space

- Informal Lawn
- Lined with Student Residence Halls
- Trails and bike paths along arroyos
- Designated open space on bluffs



# What next?

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## Planning documents to support Facilities Strategic Plan

- Campus Design Guidelines
- Facilities Guidelines and Specifications
- Energy Management Plan
- Transportation Demand Management Plan

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*We shape our buildings, and afterwards they shape us.*

*Winston Churchill*

Questions?

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